EXHIBIT III

Stantec

New York State Thruway Authority
Environmental Assessment
For Proposed Toll Modification

FINAL DRAFT

August 21, 2023

Prepared for:

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

New York State Thruway Authority

Prepared by:

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1.0 SUMMARY OF FINDINGS

The New York State Thruway Authority ("the Authority") retained Stantec Consulting Services, Inc. ("Stantec") to produce this Environmental Assessment report for the Authority's proposed toll modification regulation ("toll modifications" or "regulation").

This chapter presents a summary of the proposed toll modifications and the associated estimated traffic diversion and anticipated environmental impacts. As noted in this report, the proposed toll modifications would result in a minimal amount of traffic diversion to alternate routes. In addition, the proposed toll modifications include no construction. As a result, no significant adverse impacts are anticipated on traffic, air quality, noise, land use, community character, economy, energy use or any other socio-economic or environmental factors.

1.1 NEED FOR TOLL MODIFICATIONS

The Authority undertakes significant capital improvements and maintenance work each year to keep the Thruway's highways and bridges in a state of good repair, ensuring safe and efficient travel for the heavy traffic demands of today's world. In addition to on-going capital and maintenance tasks, the Authority is also continually evolving to better serve its patrons. The Authority has improved customer service with advances in technology and by adding new capacity to the Thruway's highways and bridges in corridors with high travel demand. In recent years, the Authority completed the Governor Mario M. Cuomo Bridge ("GMMCB") Project and conversion of the full system to cashless tolling.

Beginning in March of 2020, the COVID-19 pandemic had a devastating impact on Authority toll traffic and revenues. While significant recovery has been seen in 2021 and 2022, revenue has not reached the levels forecasted before the start of the pandemic. Throughout this ordeal, the Authority has continued to maintain its financial strength while financing the capital needs of the aging Thruway System, making tough decisions to downsize, prioritize and adjust Capital Program projects to continue funding the annual operating and capital program budgets. It is important to note that the 2021-2022 toll adjustments were approved in 2019 before the start of the pandemic, and were originally designed to only provide sufficient revenues to finance the 2019-2024 Capital Program.

The Authority is undertaking a new Capital Plan. With revenue needs projected to be above those generated by the existing toll rates beginning in 2024, additional revenues are needed to successfully meet its future growing capital needs, fund outstanding debt and provide reliable service to its patrons.

The additional revenue generated by the proposed toll modification is a critical component of the Authority's multi-faceted program to provide funding necessary to finance the Authority's Multi-Year Capital Program, maintain the Thruway's highways and bridges in a state of good repair, fulfill its critical role in supporting the State's economy, and comply with the relevant portions of the Authority's General Revenue Bond Resolution and Fiscal Management Guidelines.

1.2 SUMMARY OF PROPOSED TOLL MODIFICATIONS

The Authority is proposing a modification to toll rates at all toll collection points, including the controlled system (the mainline portion of the Thruway extending from Woodbury to Erie), the GMMCB, and the remaining barrier system gantries along the Thruway. As shown in Table 1, the proposed toll schedule would, on January 1, 2024 and January 1, 2027, increase the base NY E-ZPass rates by 5% from their prior levels. Out-of-state E-ZPass and Tolls by Mail

tolls would both be increased from their current 15% and 30% differentials above the NY E-ZPass rate, respectively, to 75% above the NY E-ZPass rate. In addition, at the Governor Mario M. Cuomo Bridge ("GMMCB"), the base NY E-ZPass passenger car toll would be increased by 50 cents a year from January 2024 through January 2027. Passenger cars on the Westchester/Rockland Resident Plan will see their discount change from the current 17% to 20%, and the 40% commuter discount program would be maintained. Commercial rates at the GMMCB would be increased proportionately to the car rates. By modifying rates in this way, the Authority intends to have less of an impact on frequent and/or local drivers, promote E-ZPass usage, and provide a higher level of revenue for the GMMCB that is commensurate with the capital costs incurred for the recent, massive replacement project.

Table 1: Proposed Toll Modifications

GOVERNOR MARIO M. CUOMO BRIDGE TOLL RATE ADJUSTMENTS	
Toll Modification Element	**Description**
Gov. Mario M. Cuomo (GMMCB) Bridge: Increase Base NY E-ZPass to a rate of $7.75 by 2027	Beginning on January 1, 2024, provide 50-cent annual increases to the base NY E-ZPass passenger toll rates on the GMMC Bridge during the period 2024-2027. This would result in a base NY E-ZPass rate for passenger vehicles increasing to $7.75 by 2027 (current rate is $5.75). Commercial rate increases would be proportionate to the passenger rate increases.
40% Commuter Discount Program*	Maintain the commuter discounted rate of 40 percent off the NY E-ZPass rate for passenger vehicles that opt into the program. Similar to today, the rates assume that a minimum of 20 trips are made in that month; if fewer than 20 trips are taken per month, customers are charged for each trip not taken. This program is offered to class 2L vehicles only, with a New York E-ZPass.
Resident Discount Program*	Increase the resident discount E-ZPass Plan for qualified Westchester and Rockland residents from its current 17 percent discount to a 20 percent discount off the NY E-ZPass rate. This program is only offered to class 2L passenger vehicles with a NY E-ZPass who opt into the plan and provide proof of residency.
SYSTEM-WIDE TOLL RATE ADJUSTMENTS	
Incentivize NY E-ZPass Usage	Beginning on January 1, 2024, increase the current 30 percent Tolls by Mail rate differential (a toll rate 30 percent above the NY E-ZPass rate) to a 75 percent differential. With this change, NY E-ZPass customers will receive a 75% discount from the Tolls by Mail and Non-NY E-ZPass toll rates
Non-NY E-ZPass Rates	Beginning on January 1, 2024, increase the current Non-NY E-ZPass toll rate differential from a 15 percent rate differential (a toll rate 15 percent above the NY E-ZPass rate for Non-NY E-ZPass tolls) to a 75 percent differential. With this change, NY E-ZPass customers will receive a 75% discount from the Tolls by Mail and Non-NY E-ZPass toll rates.
NY E-ZPass Rates	On January 1, 2024 and January 1, 2027 Increase the base NY E-ZPass rates by 5% from their prior levels.

**It should be noted that approximately 73.6 percent of passenger trips will pay a discounted rate compared to the Tolls by Mail rate and that roughly 30.9 percent of this traffic will be paying the discounted rates for the commuter and resident plans.*

1.3 TRAFFIC DIVERSION DUE TO THE PROPOSED TOLL MODIFICATIONS

This report estimates that the proposed toll regulation will result in the diversion of a limited number of vehicles to alternate routes that run parallel to the Thruway. We have estimated an average diversion of 3.2 percent of vehicles off of the Thruway System. Though some of these trips will no longer be made, we are assuming for this study that all diverted traffic will shift to alternate routes. In most cases, we expect traffic to divert to state highways and other major arterials, not to local roads.

The alternative route analysis identifies potential routes that drivers would utilize to avoid the Thruway toll system and evaluates the impacts these small diversions will have on non-Thruway roads and resulting impacts with respect to noise, air quality, traffic, and community character. It is important to note that based on prior studies and historical trends, the initial diversions to alternative routes are often temporary. Travel time and other factors (such as the value of time, fuel costs, and increased congestion along alternate routes) along with the many benefits the Thruway offers, tend to reduce the diversion effects of toll increases over time.

1.4 AIR QUALITY

The potential impact of the proposed toll modification on air quality was assessed regarding local/regional pollutant concentrations along the affected routes, and region-wide emissions burden in non-attainment and maintenance areas across New York State. Due to a low level of anticipated traffic diversion off the Thruway, the proposed toll modifications are not anticipated to significantly increase local pollutant concentrations including carbon monoxide ("CO") and particulate matter ("PM2.5") along the diversion routes, nor contribute to a significant increase in regional emissions. Increases in traffic on local highways would not reach critical emission thresholds, contributing only negligible pollutant burdens as a percentage of regional transportation-based emissions. As such, the proposed toll modifications are not anticipated to have a significant adverse impact on local or regional criteria pollutant burdens and is not expected to interfere with state implementation plan ("SIP") emission budgets or air quality conformity rules toward region-wide attainment of the National Ambient Air Quality Standards ("NAAQS").

1.5 OTHER CONSIDERATIONS

Noise

Since diverted traffic from the Thruway associated with the proposed toll modification would be minor compared to traffic that already exists on the alternative routes, the mix of vehicle classes or speeds that currently exist on the diversion routes is not expected to change significantly. As a result, the implementation of the proposed toll modifications is not anticipated to result in any significant noise impacts. As a general benchmark, a three decibel increase in noise, which represents the smallest noise level change that can be detected by the human ear, could only occur if traffic volumes were to double (a 100 percent increase). The highest predicted diversion is approximately 188 two-way vehicles in the peak hour. If this traffic were diverted to a single alternate route, it would result in a worst-case increase of approximately 9 percent of traffic on one of those alternate routes. In general, the average predicted diversion of two-way traffic volume onto parallel alternate routes is approximately 89 vehicles, resulting in an average increase in alternate route traffic volume during the peak hour of about 1.8 percent. Since the anticipated diversions are not expected to be significant and would not significantly alter the mix of vehicle classes or speeds that currently exist on the diversion routes, the toll modification would not result in significant noise impacts.

Toll Plaza/Gantry Operations

Historically, operational impacts at toll plazas have been assessed for toll modifications on the Thruway, in terms of queue length and processing time. However, the entire Thruway System has operated with cashless tolling gantries since November 2020. With cashless tolling, conventional toll plazas have been replaced with overhead gantries holding equipment and cameras to detect and identify vehicles through E-ZPass antennas and license plate-reading cameras. With vehicles operating at highway speeds under the toll gantries, there is no vehicle queuing or processing time related to toll payment, therefore, no operational impacts at any toll locations due to the toll modification are anticipated.

Land Use and Community Character

Since no significant traffic, air quality or noise impacts would be associated with these diversions, the proposed toll regulation is not anticipated to result in significant adverse indirect impacts to land use or community character. Although the toll modifications are anticipated to attract some vehicles to alternative routes, most of these limited diversions would occur along collector roads, arterials or expressways, as opposed to more local roadways.

Economic Impacts

As a result of the proposed regulation, both negative and positive economic impacts are expected. The negative impacts would affect, to varying degrees, some of the customers of the Thruway. Positive impacts would also affect the Thruway customers and the economic health of New York State.

With the proposed toll modifications, a small negative economic impact is expected in terms of higher out-of-pocket costs for Thruway System customers. While higher toll costs increase the operational cost for drivers, the cost increase will generally be minor, especially for NY E-ZPass customers, who make up the vast majority of trips. For example, a customer traveling 4,000 miles annually on the controlled system in a passenger vehicle with a NY E-ZPass will see their toll costs increase by $18 a year between now and 2027. Greater impacts are expected for customers using other payment types; however, these customers generally use the Thruway facilities less frequently. A customer traveling 3,000 miles annually (250 miles per month) on the controlled system with an out-of-state E-ZPass will see their total toll costs increase by $104 a year between now and 2027; a less-frequent out-of-state E-ZPass customer traveling 1,000 miles on the controlled system per year would see their annual total toll costs increase by less than $35. A passenger car utilizing Tolls by Mail will see their annual toll costs increase by $83 a year in 2024 on the GMMCB, and an additional $21 in each year from 2025 through 2027, assuming they make two monthly round trips. Compared to increased costs from the effects of fluctuating fuel prices – a 10-cent increase in gas price equates to $57 annually for the average car driver – and overall vehicle operating costs, the toll modifications are not expected to have a significant adverse impact on customers. Furthermore, additional toll costs for the most impacted customers can be eliminated or reduced by switching to a NY E-ZPass. In addition, enrolling in an appropriate discount program (if applicable) can provide added toll savings.

The regulation is proposed to fund the Multi-Year Capital Program for needed rehabilitation, maintenance, and congestion relief improvements. This program includes projects to maintain the Thruway's highways and bridges in good condition, as well as to reduce congestion and improve traffic flow. As part of the Capital Program, congestion relief improvements would be constructed, resulting in economic benefits to the Thruway users in terms of reduced fuel costs and time-savings. These benefits would accrue to all Thruway customers system-wide where capital program projects will be funded by the toll modifications.

Furthermore, ongoing economic value is expected to be generated by Thruway operations and maintenance expenditures, as well as Thruway capital construction projects supporting jobs in regions across the State. The toll adjustment was designed to support the financial needs of the Authority including its 2023-2027 $1.9 billion Capital Program. According to data from the Federal Highway Administration ("FHWA") and the White House Council of Economic Advisors ("CEA"), approximately 13,000 full-time jobs are supported by each $1 billion of highway investment.

According to data from the Association of General Contractors, every $1 billion of highway investment supports approximately 12,216 direct jobs, 5,830 indirect jobs and 18,046 induced jobs. Direct jobs are those held by workers employed at highway construction sites, including laborers, specialists, engineers and managers. Indirect jobs are those held by workers in industries that supply highway construction manufacturers with materials, including those

involved in lumber, steel, concrete and cement products, and by offsite construction industry workers, including administrative, clerical and managerial workers. Induced jobs are those jobs supported throughout the economy when highway construction industry employees spend their earnings.

Energy Use Impacts

Overall, the net change in fuel consumption is not expected to be significant with the proposed toll modifications. The potential shift of traffic from the Thruway to alternative routes with lower operating speed could cause a minor decrease in fuel efficiency for a small number of diverted vehicles. In addition, the diversion routes may not be as direct as the Thruway resulting in longer travel distances, a minimal increase in the total vehicle miles traveled, and a minimal increase in fuel consumption.

It should also be noted that drivers using the Thruway have recently seen benefits in energy use due to the conversion to cashless tolling in late 2020. Conversion of all toll plazas to cashless tolling, funded through the Capital Program, eliminated transaction times entirely. This has had a beneficial economic impact to Thruway motorists in terms of time savings and reduced energy use.

Coastal Resources

Parts of the Thruway and its diversion routes are located in Local Waterfront Revitalization Program areas. The project has been reviewed against the policies of the coastal zone management program and it has been found to be consistent with these policies to the maximum extent practicable. The proposed toll modifications would not result in significant adverse environmental impacts in these designated areas.

Environmental Justice/Climate Act

New York State's Climate Act went into effect in 2020. The Climate Act is meant to address inequity with regards to climate change in the State, and requires consideration of impacts on identified disadvantaged communities. Since it has been concluded in this study that the proposed toll rate modifications would not result in significant environmental impacts to any disadvantaged communities identified in the Climate Act.

Smart Growth

Under the New York State Smart Growth Public Infrastructure Policy Act, no State infrastructure agency shall approve, undertake, support, or finance a public infrastructure project, unless, to the extent practicable, the public infrastructure project is consistent with the Thruway's Smart Growth Infrastructure Criteria, as applicable. Based on these criteria, the analysis concludes that the proposed toll modification would be consistent with all applicable criteria in accordance with Thruway smart growth policies.

Collective and Cumulative Impacts

The proposed action does not impact two or more elements of the environment that, collectively, would result in a substantial adverse environmental impact. in addition, no past or future actions are known that, in combination with the proposed toll modifications, are anticipated to produce significant impacts. No construction is associated with the toll modifications. No impacts are anticipated from air or noise, and traffic impacts resulting from diversion off the Thruway are expected to be very minor. Adverse economic impacts are also very minor, especially for the typical customer, and are mitigated by economic benefits of the toll modification, namely, the provision of needed financing to the Authority's plan to keep the Thruway's highways and bridges in a state of good repair, ensuring safe and efficient travel improvements and job creation from infrastructure investment.

2.0 INTRODUCTION

This chapter provides an overview of the purpose and scope of the Environmental Assessment.

2.1 STUDY PURPOSE

The State Environmental Quality Review Act ("SEQRA") requires that any potential adverse environmental impact of an action be evaluated and either avoided or mitigated through an alternatives evaluation prior to an action being undertaken, funded or granted approvals by other involved State agencies. To this end, the Authority has undertaken a complete review of the proposed toll modifications. The steps that have led to the release of this report include the following:

- Pursuant to New York Environmental Conservation Law ("ECL") Article 8 and implementing regulations, 6 New York Codes Rules and Regulations Part 617, et seq., the Authority determined that this action is a Type I action under SEQRA and a Full Environmental Assessment Form (FEAF): Part 1 – Project and Setting; Part 2 – Identification of Potential Project Impacts; and, Part 3 – Evaluation of the Magnitude and Importance of Project Impacts and Determination of Significance were completed and can be found in Appendix B.
- The Authority provided all involved State agencies with a completed copy of Part 1 of the FEAF and sought concurrence with the designation of the Authority as the Lead Agency for the SEQRA review of the action, which can be found in Appendix B. The Authority did not receive any objections to the Lead Agency request and the Authority claimed Lead Agency status.

Since the toll modification does not involve new construction, it is not expected to have a significant adverse impact on land use, neighborhood character, natural resources, water quality, historic/cultural resources, open space, community facilities, hazardous materials, waste disposal, noise, coastal resources, construction, or other areas of potential environmental concern. However, because the proposed toll modification could have the potential to divert Thruway traffic onto parallel routes, and thereby, affect traffic conditions and air quality, this study analyzes these subject areas in detail.

2.2 STUDY AREA

The study area, as shown in Figure 1, is the State of New York, which encompasses all segments of the Thruway, including the controlled system and the barrier system (all of which now operate with cashless toll gantries), as well as diversion routes within the state that may be affected by the proposed toll modifications.

As identified in Table 2, the Thruway is currently about 570 miles in length and is made up of different sections. The controlled system is made up of the mainline section from Exit 15 (Woodbury) to Exit 50 (Williamsville), the Berkshire Section from Exit 21A to B3, and the Erie Section from Exits 55 to 61. The tolls along the controlled system are based on the vehicle class, payment type, and the miles traveled on the Thruway, with a surcharge added for trips that utilize the Castleton-on-Hudson Bridge in the Albany area.

The barrier system of cashless toll gantries is located on several different sections of the Thruway as indicated in Table 2. Table 3 lists the names of these locations; three are major bridges over waterways and four are toll facilities along several major highways. The toll rates at these gantry locations are based on the vehicle class and payment type only, regardless of the miles traveled on the Thruway, and are collected generally in one direction except at Harriman and Yonkers, where they are collected in both directions. The Spring Valley toll gantry collects tolls only for commercial vehicles and passenger cars towing a trailer.

The major long-distance diversion routes analyzed for the controlled system and the barrier system include State Route 17, State Route 5, US Route 9W, US Route 20, State Route 31, and the Taconic State Parkway. More details on the diversion routes including maps are shown in Section 5.2.

Figure 1: Study Area

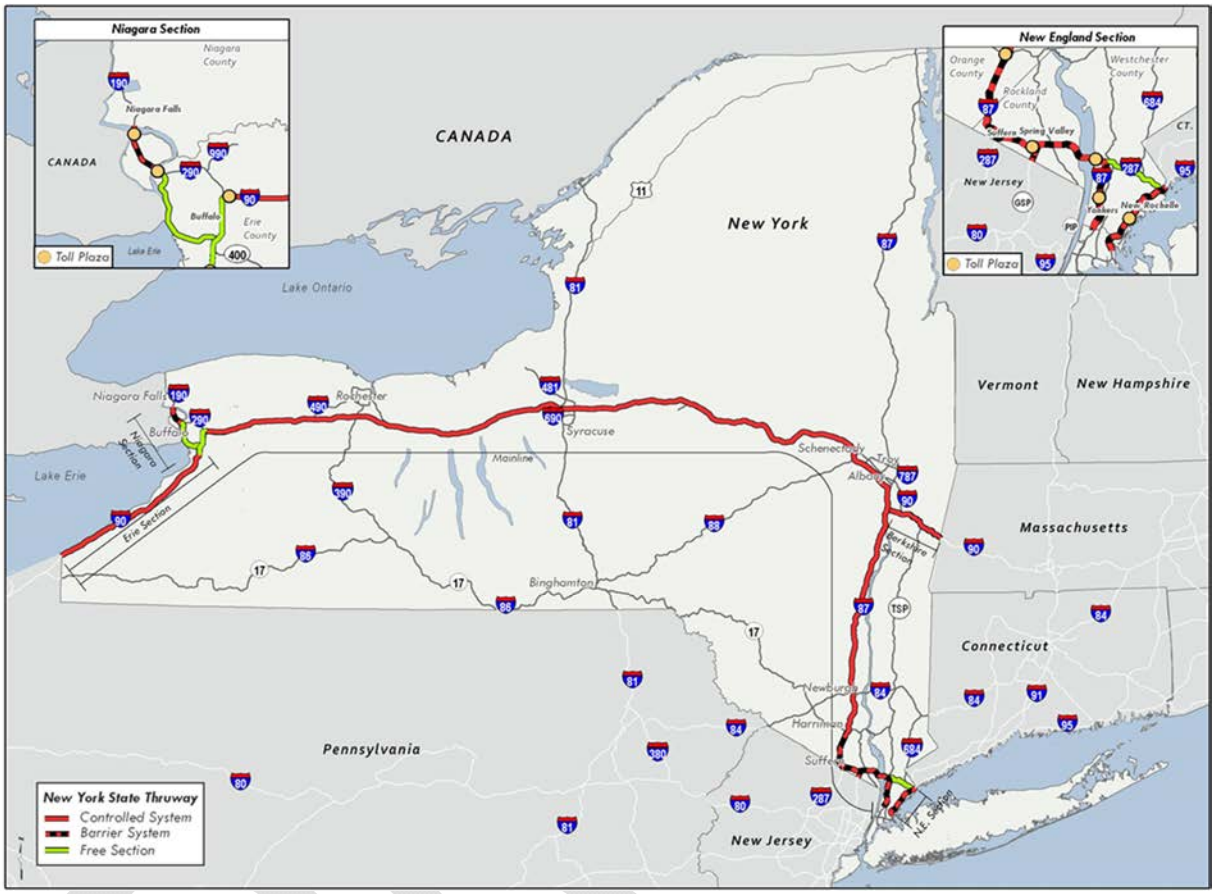


Table 2: The Thruway

Section	Controlled System	Barrier System	Length (miles)
The Mainline (New York City – Buffalo)	X	X	426
Erie Section (Buffalo – Pennsylvania Line)	X		70
Niagara Section I-90 (Buffalo – Niagara Falls)		X	21
Berkshire Section (Selkirk – Massachusetts Line)	X		24
New England Section (I-95) (Bronx – Connecticut Line)		X	15
Garden State Parkway Connection (Spring Valley – New Jersey)			3
Cross-Westchester Expressway (I-287) (Mainline I-87 in Tarrytown – I-95 in Rye)			11
Total			**570**

X= tolled section of the Thruway

Table 3: Barrier System Facilities along the Thruway (Cashless Toll Gantries)

Waterway Crossing Tolls	Highway Tolls
Governor Mario M. Cuomo Bridge	Harriman Gantry
Grand Island Bridge – North	Yonkers Gantry
Grand Island Bridge – South	New Rochelle Gantry
	Spring Valley Gantry (No Tolls for Passenger Cars)

2.3 STUDY SCOPE

This study presents the proposed toll modifications and the need for them. As the toll modifications are expected to shift some traffic to alternate routes, much of the focus of this study is on the estimated traffic diversion and potential impacts along the Thruway System and its diversion routes. The study scope includes assessment of the impacts in terms of:

- Alternate route traffic
- Air quality impacts
- Economic impacts
- Noise impacts
- Environmental justice with regard to the Climate Act
- Toll plaza/gantry operations
- Land use and community character
- Energy use impacts
- Coastal resources/consistency with state coastal zone management policies
- Smart Growth (as related to the New York State Smart Growth Public Infrastructure Policy Act)

2.4 PUBLIC COMMENTS

Pursuant to the New York State Administrative Procedure Act ("SAPA") Section 202, the public comment period for the toll modification commenced in December 2022 to afford the public an opportunity to submit comments. In-person public hearings were held pursuant to New York Public Authorities Law ("PAL") Section 2804 on May 8th, 9th, 16th, and 22nd to afford the public an opportunity to be heard. An additional hearing on June 5th was held virtually and streamed live for public viewing.

The public comment period ended on June 12, 2023. All comments received during the comment period were thoroughly reviewed and an Assessment of Public Comments ("APC") was prepared in accordance with SAPA Section 202. The APC will be available by contacting the Authority's Legal Department at 518-436-2840. Comments received at the public hearings and those received during the public comment period were duly considered and, where deemed appropriate, are addressed in this Environmental Assessment report.

3.0 PROPOSED TOLL MODIFICATIONS

This chapter discusses the need for the toll modification, summarizes the history of toll rates, and provides detail on the proposed toll modifications.

3.1 NEED FOR TOLL MODIFICATIONS

The Authority undertakes capital improvements and maintenance work each year to keep the Thruway's highways and bridges in a state of good repair, ensuring safe and efficient travel for the heavy traffic demands of today's world. In addition to on-going capital and maintenance tasks, the Authority is also continually evolving to better serve its patrons. The Authority has improved customer service with advances in technology and by adding new capacity to the Thruway's highways and bridges in corridors with high travel demand. In recent years, the Authority completed the Governor Mario M. Cuomo Bridge Project and conversion of the full system to cashless tolling.

Beginning in March of 2020, the COVID-19 pandemic had a devastating impact on Authority toll traffic and revenues. While recovery has been seen in 2021 and 2022, revenue has not reached the levels forecasted before the start of the pandemic. Throughout this ordeal, the Authority has continued to maintain its financial strength while financing the capital needs of the aging Thruway System, making tough decisions to downsize, prioritize and adjust Capital Program projects to continue funding the annual operating and capital program budgets. It is important to note that the Thruway Authority Board approved the proposal to begin the process for the 2021-2022 toll adjustments in December 2019, before the start of the pandemic, and that these toll adjustments had been designed to provide sufficient revenues to finance the 2019-2024 Capital Program.

The Authority is undertaking a new Capital Plan. With revenue needs projected to be above those generated by the existing toll rates beginning in 2024, additional revenues are needed to successfully meet its future growing capital needs, fund outstanding debt, and provide reliable service to its patrons.

The revenue generated by the proposed toll modification is a critical component of the Authority's multi-faceted program to provide funding necessary to finance the Authority's Multi-Year Capital Program, maintain the Thruway's highways and bridges in a state of good repair, fulfill its critical role in supporting the State's economy, and comply with the relevant portions of the Authority's General Revenue Bond Resolution and Fiscal Management Guidelines.

3.2 HISTORY OF TOLL MODIFICATIONS

The history of toll modifications on the Thruway is shown in Table 4 and Table 5. Five changes in toll rates occurred during the period from 1959 to 1988 on a fairly regular basis. During the ensuing period from 1988 through 2004, limited modifications were made to the toll rate structure. These included the 1991 toll modification at the Spring Valley Barrier that was phased from the 1988 toll modification and the 1997 Tappan Zee Bridge Corridor Relief Initiative, which resulted in the removal of passenger car tolls from the Spring Valley Barrier, the conversion of truck tolls to one-way (northbound) at Spring Valley, peak-period pricing of commercial tolls at Spring Valley and the former Tappan Zee Bridge, and a $0.50 increase in passenger car tolls at the former Tappan Zee Bridge.

Between 2005 and 2011, several modifications to the toll rate structure were implemented to fund a new $2.6 billion Multi-Year Capital Program. The 2005 toll modification generally increased toll rates by 25 percent for passenger vehicles, increased toll rates by 35 percent for commercial vehicles, and increased cash tolls for both passenger and commercial vehicles by 10 percent in 2008. In addition, the toll modification implemented a new vehicle classification system, reducing the number of classifications from 43 to 9; created a new E-ZPass discount program, continued a

graduated volume discount program for commercial customers; and expanded the availability of commuter plans to bridges and barriers on the Thruway.

In late 2007, rising fuel prices and the recession's impact on employment, industrial production, housing starts, and other aspects of the economy significantly impacted passenger and commercial traffic patterns nationwide. Consequently, total traffic on the Thruway and on other selected toll facilities began to decline, as Thruway patrons reduced the number and distance of their trips.

In response to the financial pressures brought on by fuel prices and the state of the national economy, the Authority implemented another series of small adjustments to toll rates in 2008. These adjustments were only designed to provide additional funding to assist the Authority in financing operational, maintenance, and capital commitments made in the 2005-2011 period. The 2008 toll modification maintained a five percent E-ZPass discount for all patrons and added two five percent across-the-board increases, which took effect in 2009 and 2010. While it had been expected that a toll modification would be necessary in 2012 to fund the operating and capital needs for 2012 and thereafter, no changes were made to toll rates on the Thruway until 2021, with the exception of the 2017 discontinuation of discounts for vehicles with non-NY E-ZPass; both the 5 percent system-wide discount and the discounts for non-peak commercial vehicles (of up to 50 percent) at the Spring Valley Barrier and the GMMCB ceased as of January 1 of that year.

With revenue needs projected to be above those generated by the old toll rates, in 2019 the Authority proposed a toll modification for 2021-2022 to generate the additional revenues needed to successfully meet its future growing capital needs, fund outstanding debt and provide reliable service to its patrons. Note that this toll modification was based on late 2019 projections of revenue needs, and the COVID-19 pandemic caused a decline in travel, which only heightened its importance. The modification increased all out-of-state E-ZPass tolls to 15 percent above the NY E-ZPass rate and increased all Tolls by Mail tolls to 30 percent over the NY E-ZPass rate on January 1, 2021. In addition, the base NY E-ZPass toll at the GMMCB was increased by 50 cents per year over two years (in January 2021 and January 2022) with a 40 percent commuter discount program, and commercial rates increased proportionately to car rates with an additional 20 percent increase for trucks with five of more axles. Residents of Westchester and Rockland Counties with proof of residency and NY E-ZPass did not see a car toll increase on the GMMCB in 2021 or 2022. At all locations other than the GMMCB, any vehicle with NY E-ZPass (the vast majority of vehicles on the system) also did not see a toll increase in 2021 or 2022. By modifying rates in this way, the Authority intended to have less of an impact on frequent and/or local drivers, promote E-ZPass usage, and provide a higher level of revenue for the GMMCB commensurate with the capital costs incurred for the massive replacement project. Additionally, the increase for larger commercial vehicles on the GMMCB was implemented to account for the greater wear and tear that those types of vehicles impose on the infrastructure. These recent set of toll increases which occurred on January 1, 2021 (systemwide) and January 1, 2022 (GMMCB only), are detailed in Table 5.

In addition to the recent set of toll increases in 2021 and 2022, the Authority made several changes to help cover the additional processing costs associated with AET beginning in 2021:

- The Authority began to charge the Tolls by Mail rate to E-ZPass customers without a properly mounted, readable transponder who are processed through a license plate image review. This charge offsets additional costs related to image review and is also meant to incentivize proper placement of E-ZPass transponders, which facilitates toll processing.

- The Authority began to assess a $2 per-bill administrative surcharge for Tolls by Mail trips to offset printing and mailing costs. Note that nearly all cashless toll facilities throughout the country also charge Tolls by Mail

premiums (see Section 3.7.2) or a combination of premiums and administrative per-bill surcharges (see Table 14 on page 31) to offset additional processing costs.

Table 4: Average Toll Modifications 1959 through 2010

Year	Average Increase		Notes
	Cars	Trucks	
1959	28%	18%	Only Class 1-4 increased
1970	0%	19%	Class Change
1975	15%	8%	Varied by Location
1980	25%	30%	
1988	32%	38%	
1991	14%	0%	Spring Valley Passenger Cars Only
1997	20%	100% in Peak Period	Tappan Zee Corridor Relief (Congestion Pricing)
2005	25%	35%	Class Change
2008	10%	10%	Cash Rates
2008			July E-ZPass Only, Discount Decreased to 5% from cash rate
2009	5%	5%	Increase set in 2008
2010	5%	5%	Increase set in 2008

Table 5: Most Recent Toll Modifications, 2021 and 2022

Year	Location and Payment Type	Increases	
		Cars and Trucks up to 4 Axles	Trucks, 5+ Axles
2021	**Governor Mario M. Cuomo Bridge**		
	Car Resident E-ZPass	no increase	-
	Car Commuter E-ZPass	5%	-
	Standard NY E-ZPass	11%	31%
	Non-NY E-ZPass	21%	51%
	Tolls by Mail	37%	70%
	Remainder of Thruway System		
	NY E-ZPass	no increase	no increase
	Non-NY E-ZPass	9%	9%
	Tolls by Mail	24%	24%
2022	**Governor Mario M. Cuomo Bridge**		
	Car Resident E-ZPass	no increase	-
	Car Commuter E-ZPass	10%	-
	Standard NY E-ZPass	10%	30%
	Non-NY E-ZPass	10%	30%
	Tolls by Mail	10%	30%

3.3 CURRENT TOLL RATES ON THE THRUWAY

The Authority's current toll rate structure is presented in Table 6.

Table 6: Current Thruway Toll Structure ($)

New York E-ZPass

Vehicle Class [1]	MAINLINE (PER MILE)	Castleton Bridge Surcharge	GRAND ISLAND BRIDGES	HARRIMAN	YONKERS	NEW ROCHELLE	SPRING VALLEY		GOV MARIO M. CUOMO BR. (GMMCB)	
							PEAK	OFF PEAK	PEAK	OFF PEAK
2L Commuter [2]	[3]		$0.28	$0.55	$0.55	$1.10			$3.45	$3.45
2L Resident			$0.09						$4.75	$4.75
2L Standard	$0.0447	$0.62	$0.95	$1.19	$1.19	$1.66	$0.00	$0.00	$5.75	$5.75
3L	$0.0692	$0.86	$1.43	$1.43	$1.43	$2.38	$3.00	$1.50	$13.92	$6.96
4L	$0.0821	$1.00	$1.66	$1.66	$1.66	$2.85	$4.50	$2.25	$16.64	$8.32
2H	$0.0886	$1.05	$1.90	$1.90	$1.90	$3.33	$5.25	$2.63	$17.86	$8.93
3H	$0.1524	$1.47	$2.14	$2.61	$2.14	$4.04	$8.25	$4.13	$25.12	$12.56
4H	$0.1680	$1.90	$2.61	$2.85	$2.61	$4.75	$8.25	$4.13	$29.96	$14.98
5H	$0.2271	$2.57	$4.04	$4.04	$4.04	$7.60	$13.50	$6.75	$55.77	$27.89
6H	$0.2815	$3.09	$4.28	$4.75	$4.28	$8.31	$14.75	$7.38	$69.82	$34.91
7H	$0.3359	$3.66	$4.75	$5.46	$4.75	$9.26	$16.50	$8.25	$83.87	$41.94

Non-New York E-ZPass

Vehicle Class [1]	MAINLINE (PER MILE)	Castleton Bridge Surcharge	GRAND ISLAND BRIDGES	HARRIMAN	YONKERS	NEW ROCHELLE	SPRING VALLEY	GMMCB
2L	$0.0514	$0.71	$1.09	$1.37	$1.37	$1.91	$0.00	$6.61
3L	$0.0796	$0.99	$1.64	$1.64	$1.64	$2.73	$3.45	$16.01
4L	$0.0944	$1.15	$1.91	$1.91	$1.91	$3.28	$5.18	$19.14
2H	$0.1019	$1.21	$2.19	$2.19	$2.19	$3.82	$6.04	$20.53
3H	$0.1753	$1.69	$2.46	$3.00	$2.46	$4.64	$9.49	$28.89
4H	$0.1932	$2.19	$3.00	$3.28	$3.00	$5.46	$9.49	$34.45
5H	$0.2612	$2.96	$4.64	$4.64	$4.64	$8.74	$15.53	$64.14
6H	$0.3237	$3.55	$4.92	$5.46	$4.92	$9.56	$16.96	$80.30
7H	$0.3863	$4.21	$5.46	$6.28	$5.46	$10.65	$18.98	$96.45

Tolls by Mail

Vehicle Class [1]	MAINLINE (PER MILE)	Castleton Bridge Surcharge	GRAND ISLAND BRIDGES	HARRIMAN	YONKERS	NEW ROCHELLE	SPRING VALLEY	GMMCB
2L	$0.0581	$0.81	$1.24	$1.54	$1.54	$2.16	$0.00	$7.48
3L	$0.0900	$1.12	$1.85	$1.85	$1.85	$3.09	$3.90	$18.10
4L	$0.1067	$1.30	$2.16	$2.16	$2.16	$3.71	$5.85	$21.64
2H	$0.1152	$1.37	$2.47	$2.47	$2.47	$4.32	$6.83	$23.21
3H	$0.1981	$1.91	$2.78	$3.40	$2.78	$5.25	$10.73	$32.65
4H	$0.2184	$2.47	$3.40	$3.71	$3.40	$6.18	$10.73	$38.95
5H	$0.2952	$3.34	$5.25	$5.25	$5.25	$9.88	$17.55	$72.51
6H	$0.3660	$4.02	$5.56	$6.18	$5.56	$10.81	$19.18	$90.77
7H	$0.4367	$4.76	$6.18	$7.10	$6.18	$12.04	$21.45	$109.03

(1) Classes are generally denoted by the number of axles (2 through 7) and the vehicle height. "L" represents vehicles under 7.5' and "H" represents vehicles over 7.5' in height.

(2) Customers in the commuter program pay a monthly amount and must meet a monthly minimum number of trips (20 at one-way toll facilities and 35 at two-way toll facilities) to receive the fully discounted prices shown per trip. Once the monthly minimum number of trips is met, the customer is charged the fully discounted price per additional trip.

(3) Controlled system permit plan customers pay $88/year which covers the toll for the first 30 miles or less of a passenger car trip.

In order to receive E-ZPass discounts, a driver must have a transponder issued by a New York State toll agency (the Thruway Authority, Port Authority of NY & NJ, or the Metropolitan Transportation Authority). In addition to the lower rates offered to customers with a NY-issued E-ZPass, the Authority offers several specialized E-ZPass discount programs as discussed in the following section.

3.4 EXISTING DISCOUNT PROGRAMS

The Authority provides both passenger and commercial vehicles with discount options and/or specialized plans that are primarily geared towards frequent users and are administered by the Authority through the NY Customer Service Center's E-ZPass Program (also known as "E-ZPassNY" or "NY E-ZPass"). In addition, New York State provides some tax relief by not charging the Highway Use Tax for trips taken on the Thruway. The discount options offered by the Authority, specialized plans, and tax relief are briefly described below:

Passenger Vehicles

The Authority offers several *Account Specific Discount Plans* that are administered through E-ZPassNY. Among these are a series of commuter plans designed specifically for frequent users of the Thruway that use one or more of the bridge/barrier toll facilities. Users can pre-pay a monthly minimum for a selected facility and receive discounted travel for each trip taken in excess of the minimum charge. The *Account Specific Discount Plans* include the *Thruway Governor Mario M. Cuomo Bridge Commuter Plan*, *Thruway Grand Island Commuter Plan, Thruway New Rochelle Commuter Plan*, *Thruway Yonkers Commuter Plan*, and *Thruway Harriman Commuter Plan*, all of which offer monthly minimum usage charges at discounted rates for a limited number of trips.

In addition to the *Account Specific Discount Plans* at bridge/barrier toll facilities and the lower rates for NY E-ZPass customers that apply to the entire Thruway, the controlled system offers an annual permit for frequent users through the *Thruway Annual Permit Plan* that allows for the first 30 miles of each trip to be free of tolls for a prepaid flat fee. Residents of Grand Island are eligible for a *Thruway Grand Island Resident Discount* when crossing through either of the Grand Island toll barriers. Residents of Westchester and Rockland counties are eligible for a *Thruway Governor Mario M. Cuomo Bridge Resident Discount* when crossing the Governor Mario M. Cuomo Bridge. The Authority also offers the *Green Pass Discount Plan* that is available to customers driving plug-in electric and plug-in hybrid vehicles. E-ZPass discounts are also offered for motorcycles, motor homes, and "5th wheel' or "gooseneck" vehicles or vehicle combinations.

Commercial Vehicles

For commercial vehicles, there are currently two types of discount programs offered in addition to the 5 percent general NY E-ZPass discount. The *Special Commercial Discount ("S-Discount")* is for non-tandem commercial vehicles that are less than or equal to 48 feet in length and requires a NY E-ZPass transponder. In addition, an *E-ZPassNY Commercial Volume Discount* offers generous, progressively higher discounts based on the monthly toll charges:

- $1,001 to $2,000 – 10%
- $2,001 to $3,000 – 15%
- Over $3,000 – 20%

Commercial vehicles in New York State are required to pay a State highway use tax, which corresponds to the annual miles traveled in New York State and targets vehicles with a gross weight of 18,000 pounds or more. To compensate for the Thruway tolls, State law allows commercial vehicles to exclude the miles traveled on the tolled portions of the Thruway from their tax calculations. Although not a direct discount, it provides commercial vehicles, weighing 18,000 pounds or more with tax relief for the miles traveled on the Thruway,

3.5 FUNDING REQUIREMENTS

As presented in Stantec's report entitled "New York State Thruway Financial Requirements and Proposed Toll Adjustments," dated November 28, 2022 (the "November 2022 Financial Requirements Report"), the Authority and its independent financial advisors determined that additional revenues will be needed for the Authority to fulfill its system-wide operating, debt service, and capital needs through 2031. Future funding needs through 2031 were established by the Authority at amounts necessary to continue its high levels of safety and service, maintain good infrastructure conditions, support Thruway operations, and comply with the relevant portions of the Authority's General Revenue Bond Resolution and Fiscal Management Guidelines.

Flow of Funds with Current Toll Schedule

The projected flow of funds included in Table 7 shows the future revenue needs and debt service coverage ratios through 2031, as presented in the November 2022 Financial Requirements Report. The funding for the Capital Program and estimated debt to be refunded are also displayed in the table. In determining future funding needs, it is important to note that the Authority has a management commitment to a future minimum debt service coverage ratio of 1.55x for the Senior Lien, which is above the Board-adopted guideline of 1.50x. Additionally, the Authority has a management commitment to a minimum debt service coverage ratio for combined Senior Bonds and Junior Indebtedness Obligations of 1.35x, which is higher than the Junior Indebtedness Resolution requirement of 1.2x coverage for the combined annual Senior Bond debt service and annual Junior Indebtedness obligation debt service. These Board-adopted minimum coverage ratio guidelines are met or exceeded through 2023; to meet minimum coverage requirements in 2024 through 2031, an additional $2.8 million to $246.1 million is needed in those years (see "gap closing revenues" in Table 7). In the absence of any proposed additional funding amounts, the Authority has the power, without approval by the Legislature or the Governor, to increase toll rates to maintain its high level of operating safety and services on the Thruway, to maintain and rehabilitate the Thruway, to pay debt service, to meet toll covenants, and to maintain the balance of revenues and expenses.

Flow of Funds with Proposed Toll Schedule

Table 8 shows the projected Flow of Funds, as defined by the Authority's Bond Resolution, inclusive of the proposed toll adjustments, as presented in the November 2022 Financial Requirements Report. The Authority's management commitment to a future minimum debt service coverage ratio of 1.55x for the Senior Lien, above the Board-adopted guideline of 1.50x, is met for all years of the forecast with the proposed toll modifications.

Additionally, the Authority has a management commitment to a minimum debt service coverage ratio for combined Senior Bonds and Junior Indebtedness Obligations of 1.35x, higher than the Junior Indebtedness Resolution requirement of 1.2x coverage for the combined annual Senior Bond debt service and annual Junior Indebtedness Obligation debt service. With the proposed toll adjustments these Board-adopted minimum coverage ratio guidelines are met or exceeded every year of the forecast through 2031.

Table 7: Historical and Projected Thruway Flow of Funds and Debt Service Coverage with Current Toll Schedule (millions)

	ACTUAL			FORECAST										2022-2031
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Total Revenues	$ 812.1	$ 668.5	$ 826.5	$ 898.0	$ 889.6	$ 895.8	$ 910.3	$ 917.4	$ 923.7	$ 930.8	$ 938.2	$ 945.6	$ 953.0	$ 9,202.5
Gap Closing Revenues [1]	-	-	-	-	-	2.8	85.6	117.7	141.6	165.7	189.2	217.7	246.1	1,166.3
Available Revenues	812.1	668.5	826.5	898.0	889.6	898.7	995.9	1,035.1	1,065.3	1,096.5	1,127.4	1,163.2	1,199.1	10,368.8
Less:														
Operating Expenses	350.9	316.6	339.8	379.4	396.5	404.4	412.5	420.8	429.2	437.8	446.6	455.5	464.6	4,247.3
Operating Reserves	6.0	2.0	6.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0
Total Operating Costs	356.8	318.6	346.3	380.4	397.5	405.4	413.5	421.8	430.2	438.8	447.6	456.5	465.6	4,257.3
Net Revenues	455.2	349.9	480.2	517.6	492.1	493.2	582.4	613.4	635.2	657.7	679.8	706.7	733.5	6,111.5
Less: Gen. Rev. Bonds Debt Service	226.8	166.8	241.3	242.3	248.6	256.7	307.8	324.7	339.2	319.0	332.9	391.3	407.4	3,169.9
Net Revenues After Gen. Rev. Debt Service	228.5	183.1	238.9	275.3	243.6	236.6	274.5	288.6	296.0	338.7	346.9	315.4	326.1	2,941.7
Less Reserve Maintenance Provisions	131.4	97.3	100.3	167.7	67.0	57.4	79.1	85.7	89.9	88.0	90.4	95.7	100.8	921.6
Less Junior Indebtedness Debt Service	47.4	23.1	46.7	63.0	107.5	108.7	123.5	129.6	131.3	168.2	170.7	132.2	135.9	1,270.5
Net Revenues After Jun. Ind. Debt Service	49.6	62.6	91.9	44.6	69.1	70.5	71.9	73.3	74.8	82.5	85.8	87.6	89.4	749.5
+/- Operating Reserves Adjustment/AETC Lag/Working Capital Provision	13.6	(2.5)	24.2	30.0	-	-	-	-	-	-	-	-	-	30.0
Less: Facil Cap Imp Fund	8.0	-	-	7.5	-	-	-	-	-	6.3	8.0	8.2	8.4	38.4
Less: General Reserve Fund [2]	41.9	59.1	64.6	66.6	69.1	70.5	71.9	73.3	74.8	76.3	77.8	79.4	81.0	740.6
Less: Gen Res Fund - Subordinate Debt	13.3	1.1	51.6	0.6	-	-	-	-	-	-	-	-	-	0.6
Balance After Reserve Maintenance Provisions, Other Authority Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senior Debt Service Coverage	2.01	2.10	1.99	2.14	1.98	1.92	1.89	1.89	1.87	2.06	2.04	1.81	1.80	
Junior & Senior Coverage	1.66	1.84	1.67	1.70	1.38	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	
Pay go % ROS Capital	100.0%	12.0%	35.3%	57.6%	22.6%	11.3%	24.3%	26.7%	27.5%	26.4%	26.6%	27.6%	28.5%	

Note: Totals may not add due to rounding. No toll rate adjustments are assumed in these forecasts.

[1] In 2024 through 2031 additional revenues are needed to meet the minimum coverage requirements for both the Senior Lien and combined Senior Bonds and Junior Indebtedness Obligations. The Authority has a management commitment to a future minimum debt service coverage ratio of 1.55x for the Senior Lien, above the Board-adopted guideline of 1.50x. The Authority has a management commitment to a minimum debt service coverage ratio for combined Senior Bonds and Junior Indebtedness Obligations of 1.35x, higher than the Junior Indebtedness Resolution requirement of 1.2x coverage for the combined annual Senior Bond debt service and annual Junior Indebtedness Obligation debt service.

[2] The General Reserve Fund figures through 2024 reflect Thruway revenues required to reimburse the State of New York for costs associated with the New York State Police Troop T patrolling of the Thruway system.

Table 8: Historical and Projected Thruway Flow of Funds and Debt Service Coverage with Proposed Toll Schedule (millions)

	ACTUAL			FORECAST										2022-2031
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Total Revenues	$ 812.1	$ 668.5	$ 826.5	$ 898.0	$ 889.6	$ 1,052.7	$ 1,095.3	$ 1,125.2	$ 1,184.1	$ 1,194.4	$ 1,204.0	$ 1,213.7	$ 1,223.4	$ 11,080.4
Gap Closing Revenues [1]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Available Revenues	812.1	668.5	826.5	898.0	889.6	1,052.7	1,095.3	1,125.2	1,184.1	1,194.4	1,204.0	1,213.7	1,223.4	11,080.4
Less:														
Operating Expenses	350.9	316.6	339.8	379.4	396.5	404.4	412.5	420.8	429.2	437.8	446.6	455.5	464.6	4,247.3
Operating Reserves	6.0	2.0	6.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0
Total Operating Costs	356.8	318.6	346.3	380.4	397.5	405.4	413.5	421.8	430.2	438.8	447.6	456.5	465.6	4,257.3
Net Revenues	455.2	349.9	480.2	517.6	492.1	647.3	681.8	703.5	753.9	755.6	756.4	757.2	757.8	6,823.1
Less: Gen. Rev. Bonds Debt Service	226.8	166.8	241.3	242.3	248.6	256.7	298.7	305.9	312.0	284.3	291.4	344.1	355.6	2,939.5
Net Revenues After Gen. Rev. Debt Service	228.5	183.1	238.9	275.3	243.6	390.6	383.1	397.6	441.9	471.3	465.0	413.1	402.1	3,883.6
Less Reserve Maintenance Provisions	131.4	97.3	100.3	167.7	67.0	211.4	187.7	194.6	235.8	220.6	208.6	193.3	176.8	1,863.5
Less Junior Indebtedness Debt Service	47.4	23.1	46.7	63.0	107.5	108.7	123.5	129.6	131.3	168.2	170.7	132.2	135.9	1,270.5
Net Revenues After Jun. Ind. Debt Service	49.6	62.6	91.9	44.6	69.1	70.5	71.9	73.3	74.8	82.5	85.8	87.6	89.4	749.6
+/- Operating Reserves Adjustment/AETC Lag/Working Capital Provision	13.6	(2.5)	24.2	30.0	-	-	-	-	-	-	-	-	-	30.0
Less: Facil Cap Imp Fund	8.0	-	-	7.5	-	-	-	-	-	6.3	8.0	8.2	8.4	38.4
Less: General Reserve Fund [2]	41.9	59.1	64.6	66.6	69.1	70.5	71.9	73.3	74.8	76.3	77.8	79.4	81.0	740.6
Less: Gen Res Fund - Subordinate Debt	13.3	1.1	51.6	0.6	-	-	-	-	-	-	-	-	-	0.6
Balance After Reserve Maintenance Provisions, Other Authority Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Senior Debt Service Coverage	2.01	2.10	1.99	2.14	1.98	2.52	2.28	2.30	2.42	2.66	2.60	2.20	2.13	
Junior & Senior Coverage	1.66	1.84	1.67	1.70	1.38	1.77	1.61	1.62	1.70	1.67	1.64	1.59	1.54	
Pay go % ROS Capital	100.0%	12.0%	35.3%	57.6%	22.6%	40.4%	56.5%	60.0%	72.2%	66.3%	61.4%	55.8%	50.0%	

Notes: Totals may not add due to rounding.

[1] Through the year 2031, revenues generated with the toll adjustment will be sufficient to meet the minimum coverage requirements for both the Senior Lien and combined Senior Bonds and Junior Indebtedness Obligations. The Authority has a management commitment to a future minimum debt service coverage ratio of 1.55x for the Senior Lien, above the Board-adopted guideline of 1.50x. The Authority has a management commitment to a minimum debt service coverage ratio for combined Senior Bonds and Junior Indebtedness Obligations of 1.35x, higher than the Junior Indebtedness Resolution requirement of 1.2x coverage for the combined annual Senior Bond debt service and annual Junior Indebtedness Obligation debt service.

[2] The General Reserve Fund figures through 2024 reflect Thruway revenues required to reimburse the State of New York for costs associated with the New York State Police Troop T patrol.

3.6 PROPOSED TOLL MODIFICATIONS AND SAMPLE TRIPS

3.6.1 Justification for Different Toll Modifications for Different Customers

Table 9 details the proposed toll modifications. The different elements of the toll modification can be grouped into two categories: GMMCB rates and system-wide rate adjustments. Justification to support each of these elements is discussed after the table.

Note that current discount plans discussed in Section 3.4 will remain; however, they typically cannot be combined. For example, Westchester/Rockland residents can have both the resident discount and the Green Pass discount associated with their E-ZPass transponder, but only the lowest fare will be charged. When they use the GMMCB, the resident discount will be applied as it is lower than the Green Pass discount rate. However, if the Green Pass discount rate is lower at locations other than the GMMCB, then the Green Pass rate will be applied.

Table 9: Proposed Toll Modifications

GOVERNOR MARIO M. CUOMO BRIDGE TOLL RATE ADJUSTMENTS	
Toll Modification Element	**Description**
Gov. Mario M. Cuomo (GMMCB) Bridge: Increase Base NY E-ZPass to a rate of $7.75 by 2027	Beginning on January 1, 2024, provide 50-cent annual increases to the base NY E-ZPass passenger toll rates on the GMMC Bridge during the period 2024-2027. This would result in a base NY E-ZPass rate for passenger vehicles increasing to $7.75 by 2027 (current rate is $5.75). Commercial rate increases would be proportionate to the passenger rate increases.
40% Commuter Discount Program*	Maintain the commuter discounted rate of 40 percent off the NY E-ZPass rate for passenger vehicles that opt into the program. Similar to today, the rates assume that a minimum of 20 trips are made in per month; if fewer than 20 trips are taken per month, customers are charged for each trip not taken. This program is only offered to class 2L vehicles with a New York E-ZPass.
Resident Discount Program*	Increase the resident discount E-ZPass Plan for qualified Westchester and Rockland residents from its current 17 percent discount to a 20 percent discount off the NY E-ZPass rate. This program is only offered to class 2L passenger vehicles with a NY E-ZPass who opt into the plan and provide proof of residency.
SYSTEM-WIDE TOLL RATE ADJUSTMENTS	
Incentivize NY E-ZPass Usage	Beginning on January 1, 2024, increase the current 30 percent Tolls by Mail rate differential (a toll rate 30 percent above the NY E-ZPass rate) to a 75 percent differential. With this change, NY E-ZPass customers will receive a 75% discount from the Tolls by Mail and Non-NY E-ZPass toll rates
Non-NY E-ZPass Rates	Beginning on January 1, 2024, increase the current Non-NY E-ZPass toll rate differential from a 15 percent rate differential (a toll rate 15 percent above the NY E-ZPass rate for Non-NY E-ZPass tolls) to a 75 percent differential. With this change, NY E-ZPass customers will receive a 75% discount from the Tolls by Mail and Non-NY E-ZPass toll rates.
NY E-ZPass Rates	On January 1, 2024 and January 1, 2027, increase the base NY E-ZPass rates by 5% from their prior levels.

**It should be noted that approximately 73.6 percent of passenger trips will pay a discounted rate compared to the Tolls by Mail rate and that roughly 30.9 percent of this traffic will be paying the discounted rates for the commuter and resident plans.*

Governor Mario M. Cuomo Bridge Toll Rate Adjustments

Increase NY E-ZPass by $0.50 per year in 2024 through 2027

Four annual incremental toll increases of $0.50 for the standard NY E-ZPass passenger car toll are proposed in January 2024 through January 2027, bringing the NY E-ZPass passenger car toll from its current rate of $5.75 to $7.75 over the four years.

This increase is warranted due to the $3.98 billion expense of the New NY Bridge Project, which replaced the old Tappan Zee Bridge with the new GMMCB. Design work for the GMMCB began in 2012, and construction was substantially completed in 2018, allowing both of its spans to fully open to traffic in September 2018. The Authority received funding in the form of a $1.6 billion TIFIA loan in December 2013 to be used specifically for the GMMCB, plus the remainder from toll revenue bonds and other sources. In 2012, the Authority had planned a toll modification; however, because of this funding the Authority was able to postpone it. Because the needs for the 2021-2022 toll increases were developed in 2019, before the start of the COVID-19 pandemic, and traffic and revenue have not returned to pre-pandemic forecasted levels, the 2021-2022 toll increases have not generated the revenue needed to cover debt service, operations and maintenance, and capital plan projects.

40% Commuter Discount Program

To diminish the impact on commuters, passenger car customers participating in the Commuter Plan will continue to receive a 40 percent discount if at least 20 trips are made in a month in the tolled direction (eastbound). Commuter Plan customers pay a monthly amount equal to 20 times the commuter rate; if a customer makes more than 20 trips, they are charged the commuter rate for each. The Commuter Plan will continue to save money over the standard NY E-ZPass rate for participating customers that make at least 12 eastbound trips per month across the GMMCB.

Resident Discount Program

Residents of Westchester and Rockland Counties who can provide proof of residency are eligible to participate in the Resident Plan, which began in 2021. Passenger cars who opted into this plan have not seen a toll increase since 2010; during the last set of toll modifications in 2021-2022 the Authority froze their rate at $4.75, or 17 percent below the standard NY E-ZPass rate on the Bridge. To diminish the impact on these local customers, the Authority proposes to increase its GMMCB Resident Plan discount from 17 percent to 20 percent off the standard NY E-ZPass rate.

System-Wide Toll Rate Adjustments

Incentivize NY E-ZPass Usage

Processing of E-ZPass transactions is less expensive to the Authority than Tolls by Mail transactions, which incur higher costs due to image processing (some of it manual), DMV lookups, establishment of temporary accounts, printing and mailing of bills, and other expenses. To incentivize Thruway customers to get a NY E-ZPass, beginning on January 1, 2024 a 75 percent rate differential (a toll rate 75 percent above the NY E-ZPass rate) would be established for Tolls by Mail and non-NY E-ZPass toll rates to support the higher administrative costs associated with processing these transactions.

NY E-ZPass and Non-NY E-ZPass Rates

NY E-ZPass customers make the vast majority of trips on the Thruway System. On all facilities other than the GMMCB, NY E-ZPass rates have not been increased since 2010. Meanwhile, the consumer price index has increased by 39 percent between January 2010 and March 2023,[1] which means that there have been corresponding increases to Authority expenses for Thruway System operations, maintenance, and capital projects. While toll modifications are necessary, the Authority would like to reduce any hardship on its local and frequent customers by establishing a lower set of toll increases for NY E-ZPass customers of 5 percent in 2024 and 5 percent in 2027 on all facilities except the GMMCB.

Beginning on January 1, 2024, a 75 percent rate differential (a toll rate 75 percent above the NY E-ZPass rate) would be established for out-of-state (non-NY Customer Service Center) E-ZPass customers, who are generally infrequent users of the Thruway's facilities. It should be noted that anyone can establish a NY E-ZPass account regardless of state of residency and, by doing so, be subject to the lower NY E-ZPass rates.

3.6.2 Current and Proposed Rates by Location, Class, and Payment Type

Table 10 provides the current and proposed toll rates at the GMMCB by vehicle class and payment type. Proposed toll modifications will occur annually on January 1 in the years 2024 through 2027.

[1] https://www.bls.gov/data/inflation_calculator.htm

Table 10: Comparison of Existing and Proposed Tolls on the Governor Mario M. Cuomo Bridge

Current Toll Rates, Gov. Mario M Cuomo Bridge (2022)

Vehicle Class	NY E-ZPass Peak	NY E-ZPass Off Peak	Non-NY E-ZPass	Toll By Mail
Commuter	$3.45	$3.45		
Resident	$4.75	$4.75		
2L	$5.75	$5.75	$6.61	$7.48
3L	$13.92	$6.96	$16.01	$18.10
4L	$16.64	$8.32	$19.14	$21.64
2H	$17.86	$8.93	$20.53	$23.21
3H	$25.12	$12.56	$28.89	$32.65
4H	$29.96	$14.98	$34.45	$38.95
5H	$55.77	$27.89	$64.14	$72.51
6H	$69.82	$34.91	$80.30	$90.77
7H	$83.87	$41.94	$96.45	$109.03

Proposed 1/1/24 Toll Rates, Gov. Mario M Cuomo Bridge

Vehicle Class	NY E-ZPass Peak	NY E-ZPass Off Peak	Non-NY E-ZPass	Toll By Mail
Commuter	$3.75	$3.75		
Resident	$5.00	$5.00		
2L	$6.25	$6.25	$10.94	$10.94
3L	$15.13	$7.57	$26.48	$26.48
4L	$18.09	$9.05	$31.66	$31.66
2H	$19.41	$9.71	$33.97	$33.97
3H	$27.30	$13.65	$47.78	$47.78
4H	$32.57	$16.29	$57.00	$57.00
5H	$60.62	$30.31	$106.09	$106.09
6H	$75.89	$37.95	$132.81	$132.81
7H	$91.16	$45.58	$159.53	$159.53

Proposed 1/1/25 Toll Rates, Gov. Mario M Cuomo Bridge

Vehicle Class	NY E-ZPass Peak	NY E-ZPass Off Peak	Non-NY E-ZPass	Toll By Mail
Commuter	$4.05	$4.05		
Resident	$5.40	$5.40		
2L	$6.75	$6.75	$11.81	$11.81
3L	$16.34	$8.17	$28.60	$28.60
4L	$19.54	$9.77	$34.20	$34.20
2H	$20.96	$10.48	$36.68	$36.68
3H	$29.48	$14.74	$51.59	$51.59
4H	$35.18	$17.59	$61.57	$61.57
5H	$65.47	$32.74	$114.57	$114.57
6H	$81.96	$40.98	$143.43	$143.43
7H	$98.45	$49.23	$172.29	$172.29

Proposed 1/1/26 Toll Rates, Gov. Mario M Cuomo Bridge

Vehicle Class	NY E-ZPass Peak	NY E-ZPass Off Peak	Non-NY E-ZPass	Toll By Mail
Commuter	$4.35	$4.35		
Resident	$5.80	$5.80		
2L	$7.25	$7.25	$12.69	$12.69
3L	$17.55	$8.78	$30.71	$30.71
4L	$20.99	$10.50	$36.73	$36.73
2H	$22.51	$11.26	$39.39	$39.39
3H	$31.66	$15.83	$55.41	$55.41
4H	$37.79	$18.90	$66.13	$66.13
5H	$70.32	$35.16	$123.06	$123.06
6H	$88.03	$44.02	$154.05	$154.05
7H	$105.74	$52.87	$185.05	$185.05

Proposed 1/1/27 Toll Rates, Gov. Mario M Cuomo Bridge

Vehicle Class	NY E-ZPass Peak	NY E-ZPass Off Peak	Non-NY E-ZPass	Toll By Mail
Commuter	$4.65	$4.65		
Resident	$6.20	$6.20		
2L	$7.75	$7.75	$13.56	$13.56
3L	$18.76	$9.38	$32.83	$32.83
4L	$22.44	$11.22	$39.27	$39.27
2H	$24.06	$12.03	$42.11	$42.11
3H	$33.84	$16.92	$59.22	$59.22
4H	$40.40	$20.20	$70.70	$70.70
5H	$75.17	$37.59	$131.55	$131.55
6H	$94.10	$47.05	$164.68	$164.68
7H	$113.03	$56.52	$197.80	$197.80

Table 11 shows the proposed toll rates for the rest of the Thruway by vehicle class and payment type. Two base toll rate increases of 5 percent for NY E-ZPass customers using these facilities would occur on January 1, 2024 and on January 1, 2027. For Tolls by Mail and non-NY E-ZPass customers, a proposed toll increase of 75 percent above the 2024 base toll rate would occur on January 1, 2024 (currently, these rates are 30 percent and 15 percent above the base toll rate, respectively). These proposed 2024 toll modifications for Tolls by Mail and non-NY E-ZPass customers equate to increases of 42 percent and 60 percent, respectively. The proposed 2027 toll increase of 5 percent over the 2024 rate applies to all customers regardless of payment type.

Table 11: Comparison of Existing and Proposed Tolls on the Remainder of the Thruway

Current rates New York E-ZPass customers

	MAINLINE (PER MILE)	Castleton Bridge Surcharge	GRAND ISLAND BRIDGES	HARRIMAN	YONKERS	NEW ROCHELLE	SPRING VALLEY	
							PEAK	OFF PEAK
2L	$0.0447	$0.62	$0.95	$1.19	$1.19	$1.66	$0.00	$0.00
3L	$0.0692	$0.86	$1.43	$1.43	$1.43	$2.38	$3.00	$1.50
4L	$0.0821	$1.00	$1.66	$1.66	$1.66	$2.85	$4.50	$2.25
2H	$0.0886	$1.05	$1.90	$1.90	$1.90	$3.33	$5.25	$2.63
3H	$0.1524	$1.47	$2.14	$2.61	$2.14	$4.04	$8.25	$4.13
4H	$0.1680	$1.90	$2.61	$2.85	$2.61	$4.75	$8.25	$4.13
5H	$0.2271	$2.57	$4.04	$4.04	$4.04	$7.60	$13.50	$6.75
6H	$0.2815	$3.09	$4.28	$4.75	$4.28	$8.31	$14.75	$7.38
7H	$0.3359	$3.66	$4.75	$5.46	$4.75	$9.26	$16.50	$8.25

Current rates Non New York E-ZPass customers

	MAINLINE (PER MILE)	Castleton Bridge Surcharge	GRAND ISLAND BRIDGES	HARRIMAN	YONKERS	NEW ROCHELLE	SPRING VALLEY
2L	$0.0514	$0.71	$1.09	$1.37	$1.37	$1.91	$0.00
3L	$0.0796	$0.99	$1.64	$1.64	$1.64	$2.73	$3.45
4L	$0.0944	$1.15	$1.91	$1.91	$1.91	$3.28	$5.18
2H	$0.1019	$1.21	$2.19	$2.19	$2.19	$3.82	$6.04
3H	$0.1753	$1.69	$2.46	$3.00	$2.46	$4.64	$9.49
4H	$0.1932	$2.19	$3.00	$3.28	$3.00	$5.46	$9.49
5H	$0.2612	$2.96	$4.64	$4.64	$4.64	$8.74	$15.53
6H	$0.3237	$3.55	$4.92	$5.46	$4.92	$9.56	$16.96
7H	$0.3863	$4.21	$5.46	$6.28	$5.46	$10.65	$18.98

Current rates Toll By Mail customers

	MAINLINE (PER MILE)	Castleton Bridge Surcharge	GRAND ISLAND BRIDGES	HARRIMAN	YONKERS	NEW ROCHELLE	SPRING VALLEY
2L	$0.0581	$0.81	$1.24	$1.54	$1.54	$2.16	$0.00
3L	$0.0900	$1.12	$1.85	$1.85	$1.85	$3.09	$3.90
4L	$0.1067	$1.30	$2.16	$2.16	$2.16	$3.71	$5.85
2H	$0.1152	$1.37	$2.47	$2.47	$2.47	$4.32	$6.83
3H	$0.1981	$1.91	$2.78	$3.40	$2.78	$5.25	$10.73
4H	$0.2184	$2.47	$3.40	$3.71	$3.40	$6.18	$10.73
5H	$0.2952	$3.34	$5.25	$5.25	$5.25	$9.88	$17.55
6H	$0.3660	$4.02	$5.56	$6.18	$5.56	$10.81	$19.18
7H	$0.4367	$4.76	$6.18	$7.10	$6.18	$12.04	$21.45

Proposed rates New York E-ZPass customers 1/1/24

	MAINLINE (PER MILE)	Castleton Bridge Surcharge	GRAND ISLAND BRIDGES	HARRIMAN	YONKERS	NEW ROCHELLE	SPRING VALLEY	
							PEAK	OFF PEAK
2L	$0.0469	$0.65	$1.00	$1.25	$1.25	$1.74	$0.00	$0.00
3L	$0.0727	$0.90	$1.50	$1.50	$1.50	$2.50	$3.15	$1.58
4L	$0.0862	$1.05	$1.74	$1.74	$1.74	$2.99	$4.73	$2.37
2H	$0.0930	$1.10	$2.00	$2.00	$2.00	$3.50	$5.51	$2.76
3H	$0.1600	$1.54	$2.25	$2.74	$2.25	$4.24	$8.66	$4.33
4H	$0.1764	$2.00	$2.74	$2.99	$2.74	$4.99	$8.66	$4.33
5H	$0.2385	$2.70	$4.24	$4.24	$4.24	$7.98	$14.18	$7.09
6H	$0.2956	$3.24	$4.49	$4.99	$4.49	$8.73	$15.49	$7.75
7H	$0.3527	$3.84	$4.99	$5.73	$4.99	$9.72	$17.33	$8.67

Proposed rates Non New York E-ZPass customers 1/1/24

	MAINLINE (PER MILE)	Castleton Bridge Surcharge	GRAND ISLAND BRIDGES	HARRIMAN	YONKERS	NEW ROCHELLE	SPRING VALLEY
2L	$0.0821	$1.14	$1.75	$2.19	$2.19	$3.05	$0.00
3L	$0.1272	$1.58	$2.63	$2.63	$2.63	$4.38	$5.51
4L	$0.1509	$1.84	$3.05	$3.05	$3.05	$5.23	$8.28
2H	$0.1628	$1.93	$3.50	$3.50	$3.50	$6.13	$9.64
3H	$0.2800	$2.70	$3.94	$4.80	$3.94	$7.42	$15.16
4H	$0.3087	$3.50	$4.80	$5.23	$4.80	$8.73	$15.16
5H	$0.4174	$4.73	$7.42	$7.42	$7.42	$13.97	$24.82
6H	$0.5173	$5.67	$7.86	$8.73	$7.86	$15.28	$27.11
7H	$0.6172	$6.72	$8.73	$10.03	$8.73	$17.01	$30.33

Proposed rates Toll By Mail customers 1/1/24

	MAINLINE (PER MILE)	Castleton Bridge Surcharge	GRAND ISLAND BRIDGES	HARRIMAN	YONKERS	NEW ROCHELLE	SPRING VALLEY
2L	$0.0821	$1.14	$1.75	$2.19	$2.19	$3.05	$0.00
3L	$0.1272	$1.58	$2.63	$2.63	$2.63	$4.38	$5.51
4L	$0.1509	$1.84	$3.05	$3.05	$3.05	$5.23	$8.28
2H	$0.1628	$1.93	$3.50	$3.50	$3.50	$6.13	$9.64
3H	$0.2800	$2.70	$3.94	$4.80	$3.94	$7.42	$15.16
4H	$0.3087	$3.50	$4.80	$5.23	$4.80	$8.73	$15.16
5H	$0.4174	$4.73	$7.42	$7.42	$7.42	$13.97	$24.82
6H	$0.5173	$5.67	$7.86	$8.73	$7.86	$15.28	$27.11
7H	$0.6172	$6.72	$8.73	$10.03	$8.73	$17.01	$30.33

Proposed rates New York E-ZPass customers 1/1/27

	MAINLINE (PER MILE)	Castleton Bridge Surcharge	GRAND ISLAND BRIDGES	HARRIMAN	YONKERS	NEW ROCHELLE	SPRING VALLEY	
							PEAK	OFF PEAK
2L	$0.0492	$0.68	$1.05	$1.31	$1.31	$1.83	$0.00	$0.00
3L	$0.0763	$0.95	$1.58	$1.58	$1.58	$2.63	$3.31	$1.66
4L	$0.0905	$1.10	$1.83	$1.83	$1.83	$3.14	$4.97	$2.49
2H	$0.0977	$1.16	$2.10	$2.10	$2.10	$3.68	$5.79	$2.90
3H	$0.1680	$1.62	$2.36	$2.88	$2.36	$4.45	$9.09	$4.55
4H	$0.1852	$2.10	$2.88	$3.14	$2.88	$5.24	$9.09	$4.55
5H	$0.2504	$2.84	$4.45	$4.45	$4.45	$8.38	$14.89	$7.45
6H	$0.3104	$3.40	$4.71	$5.24	$4.71	$9.17	$16.26	$8.13
7H	$0.3703	$4.03	$5.24	$6.02	$5.24	$10.21	$18.20	$9.10

Proposed rates Non New York E-ZPass customers 1/1/27

	MAINLINE (PER MILE)	Castleton Bridge Surcharge	GRAND ISLAND BRIDGES	HARRIMAN	YONKERS	NEW ROCHELLE	SPRING VALLEY
2L	$0.0861	$1.19	$1.84	$2.29	$2.29	$3.20	$0.00
3L	$0.1335	$1.66	$2.77	$2.77	$2.77	$4.60	$5.79
4L	$0.1584	$1.93	$3.20	$3.20	$3.20	$5.50	$8.70
2H	$0.1710	$2.03	$3.68	$3.68	$3.68	$6.44	$10.13
3H	$0.2940	$2.84	$4.13	$5.04	$4.13	$7.79	$15.91
4H	$0.3241	$3.68	$5.04	$5.50	$5.04	$9.17	$15.91
5H	$0.4382	$4.97	$7.79	$7.79	$7.79	$14.67	$26.06
6H	$0.5432	$5.95	$8.24	$9.17	$8.24	$16.05	$28.46
7H	$0.6480	$7.05	$9.17	$10.54	$9.17	$17.87	$31.85

Proposed rates Toll By Mail customers 1/1/27

	MAINLINE (PER MILE)	Castleton Bridge Surcharge	GRAND ISLAND BRIDGES	HARRIMAN	YONKERS	NEW ROCHELLE	SPRING VALLEY
2L	$0.0861	$1.19	$1.84	$2.29	$2.29	$3.20	$0.00
3L	$0.1335	$1.66	$2.77	$2.77	$2.77	$4.60	$5.79
4L	$0.1584	$1.93	$3.20	$3.20	$3.20	$5.50	$8.70
2H	$0.1710	$2.03	$3.68	$3.68	$3.68	$6.44	$10.13
3H	$0.2940	$2.84	$4.13	$5.04	$4.13	$7.79	$15.91
4H	$0.3241	$3.68	$5.04	$5.50	$5.04	$9.17	$15.91
5H	$0.4382	$4.97	$7.79	$7.79	$7.79	$14.67	$26.06
6H	$0.5432	$5.95	$8.24	$9.17	$8.24	$16.05	$28.46
7H	$0.6480	$7.05	$9.17	$10.54	$9.17	$17.87	$31.85

3.6.3 Sample Trips with Proposed Toll Adjustments

A comparison of the proposed tolls with those currently in effect is shown in Table 12 for some common trips on the controlled system. Separate comparisons are shown for passenger cars charged through NY E-ZPass, non-NY E-ZPass, and Tolls by Mail. The rates shown are the average for a round trip between the locations noted.

For commercial vehicles, the comparisons are made for large tractor-trailer combination trips (Class 5H). The amounts shown for these vehicles do not include the existing volume discount, which will be maintained with the proposed adjustments.

Table 12: Typical Changes in Tolls and Rates per Mile – Sample Trips

Sample Trip / Vehicle Class	Current (2022) Rates			Proposed (Jan 2024)			Proposed (Jan 2027)			Total '22-'27 Rate Change			Total '22-'27 Per Mile Change		
	NY E-ZPass	Non-NY E-ZPass	TBM	NY E-ZPass	Non-NY E-ZPass	TBM	NY E-ZPass	Non-NY E-ZPass	TBM	NY E-ZPass	Non-NY E-ZPass	TBM	NY E-ZPass	Non-NY E-ZPass	TBM
Woodbury (15) to Newburgh (17)															
Passenger Car (2L)	$ 1.33	$ 1.52	$ 1.72	$ 1.39	$ 2.44	$ 2.44	$ 1.46	$ 2.55	$ 2.55	$ 0.13	$ 1.03	$ 0.83	$ 0.005	$ 0.035	$ 0.028
Tractor Trailer (5H)	$ 6.74	$ 7.75	$ 8.76	$ 7.07	$ 12.38	$ 12.38	$ 7.43	$ 13.00	$ 13.00	$ 0.69	$ 5.25	$ 4.24	$ 0.023	$ 0.177	$ 0.143
Woodbury (15) to Albany (24)															
Passenger Car (2L)	$ 5.25	$ 6.04	$ 6.83	$ 5.51	$ 9.64	$ 9.64	$ 5.77	$ 10.11	$ 10.11	$ 0.52	$ 4.07	$ 3.28	$ 0.005	$ 0.035	$ 0.028
Tractor Trailer (5H)	$ 26.67	$ 30.67	$ 34.67	$ 28.01	$ 49.01	$ 49.01	$ 29.40	$ 51.46	$ 51.46	$ 2.73	$ 20.79	$ 16.79	$ 0.023	$ 0.177	$ 0.143
Albany-Downtown (23) to Schenectady (25)															
Passenger Car (2L)	$ 0.54	$ 0.62	$ 0.70	$ 0.56	$ 0.98	$ 0.98	$ 0.58	$ 1.02	$ 1.02	$ 0.04	$ 0.40	$ 0.32	$ 0.005	$ 0.035	$ 0.028
Tractor Trailer (5H)	$ 2.70	$ 3.11	$ 3.52	$ 2.84	$ 4.97	$ 4.97	$ 2.98	$ 5.22	$ 5.22	$ 0.28	$ 2.11	$ 1.70	$ 0.023	$ 0.177	$ 0.143
Albany-Northway (24) to Schenectady (25)															
Passenger Car (2L)	$ 0.27	$ 0.31	$ 0.35	$ 0.28	$ 0.49	$ 0.49	$ 0.29	$ 0.51	$ 0.51	$ 0.02	$ 0.20	$ 0.16	$ 0.005	$ 0.035	$ 0.028
Tractor Trailer (5H)	$ 1.35	$ 1.56	$ 1.76	$ 1.42	$ 2.49	$ 2.49	$ 1.49	$ 2.61	$ 2.61	$ 0.14	$ 1.05	$ 0.85	$ 0.023	$ 0.177	$ 0.143
Verona (33) to Syracuse (34A)															
Passenger Car (2L)	$ 1.07	$ 1.23	$ 1.39	$ 1.12	$ 1.96	$ 1.96	$ 1.17	$ 2.06	$ 2.06	$ 0.10	$ 0.83	$ 0.67	$ 0.005	$ 0.035	$ 0.028
Tractor Trailer (5H)	$ 5.42	$ 6.23	$ 7.05	$ 5.69	$ 9.96	$ 9.96	$ 5.98	$ 10.46	$ 10.46	$ 0.56	$ 4.23	$ 3.41	$ 0.023	$ 0.177	$ 0.143
Canandaigua (44) to Rochester (45)															
Passenger Car (2L)	$ 0.17	$ 0.20	$ 0.22	$ 0.18	$ 0.32	$ 0.32	$ 0.19	$ 0.33	$ 0.33	$ 0.02	$ 0.13	$ 0.11	$ 0.005	$ 0.035	$ 0.028
Tractor Trailer (5H)	$ 0.88	$ 1.01	$ 1.14	$ 0.92	$ 1.61	$ 1.61	$ 0.97	$ 1.69	$ 1.69	$ 0.09	$ 0.68	$ 0.55	$ 0.023	$ 0.177	$ 0.143
Depew (49) to Williamsville (50)															
Passenger Car (2L)	$ 0.14	$ 0.16	$ 0.18	$ 0.14	$ 0.25	$ 0.25	$ 0.15	$ 0.26	$ 0.26	$ 0.01	$ 0.10	$ 0.08	$ 0.005	$ 0.035	$ 0.028
Tractor Trailer (5H)	$ 0.70	$ 0.80	$ 0.91	$ 0.73	$ 1.28	$ 1.28	$ 0.77	$ 1.35	$ 1.35	$ 0.07	$ 0.55	$ 0.44	$ 0.023	$ 0.177	$ 0.143
Albany-Northway (24) to Williamsville (50)															
Passenger Car (2L)	$ 12.18	$ 14.02	$ 15.84	$ 12.78	$ 22.37	$ 22.37	$ 13.41	$ 23.46	$ 23.46	$ 1.23	$ 9.44	$ 7.62	$ 0.005	$ 0.035	$ 0.028
Tractor Trailer (5H)	$ 61.87	$ 71.16	$ 80.42	$ 64.96	$ 113.72	$ 113.72	$ 68.23	$ 119.39	$ 119.39	$ 6.36	$ 48.23	$ 38.97	$ 0.023	$ 0.177	$ 0.143
Lackawanna (55) to Ripley (61)															
Passenger Car (2L)	$ 2.97	$ 3.42	$ 3.87	$ 3.12	$ 5.46	$ 5.46	$ 3.27	$ 5.73	$ 5.73	$ 0.30	$ 2.31	$ 1.86	$ 0.005	$ 0.035	$ 0.028
Tractor Trailer (5H)	$ 15.11	$ 17.38	$ 19.64	$ 15.87	$ 27.77	$ 27.77	$ 16.66	$ 29.15	$ 29.15	$ 1.55	$ 11.77	$ 9.51	$ 0.023	$ 0.177	$ 0.143

3.7 COMPARISON OF PROPOSED THRUWAY TOLL RATES TO OTHER REGIONAL TOLL FACILITIES

3.7.1 Toll Rate Comparison

Figure 2 and Figure 3 compare toll rates on a number of major toll crossings in the northeast, all of which carry 25,000 or more vehicles daily. Both current and proposed 2024 rates are shown for the GMMCB. Of note is that GMMCB current and proposed 2024 car tolls are below current rates on other metro New York crossings comparable to the GMMCB and reasonable when compared to other major crossings on the interstate highway system. The current and proposed 2024 peak rates for 5-axle trucks are also comparable to that of other regional facilities. Nearly 90 percent of the GMMCB commercial vehicles with a NY E-ZPass travel during off-peak periods, paying a reduced rate as low as half of the standard rate. In addition to the lower off-peak rates, many vehicles further reduce the average toll rate paid through participation in the commercial volume discount program. These reductions in the effective rate make the current and proposed GMMCB commercial toll rates considerably lower than those on other metro New York tolled crossings. It is also important to note that it is highly likely that most of the locations shown will also see toll increases over the next several years. For example, MTA Bridges and Tunnels, which operates the Verrazano-Narrows, RFK, Whitestone, and Throgs Neck Bridges has had five toll increases - a toll increase every two years - since 2013, and has proposed another increase in 2025. The Port Authority which operates all the crossings between NY and NJ has mandated inflation-based toll increases. The Delaware River Joint Toll Bridge Commission is also planning a toll increase for 2024.

Figure 2: Round Trip Toll Rates on Major Toll Crossings in the Northeast, Passenger Cars

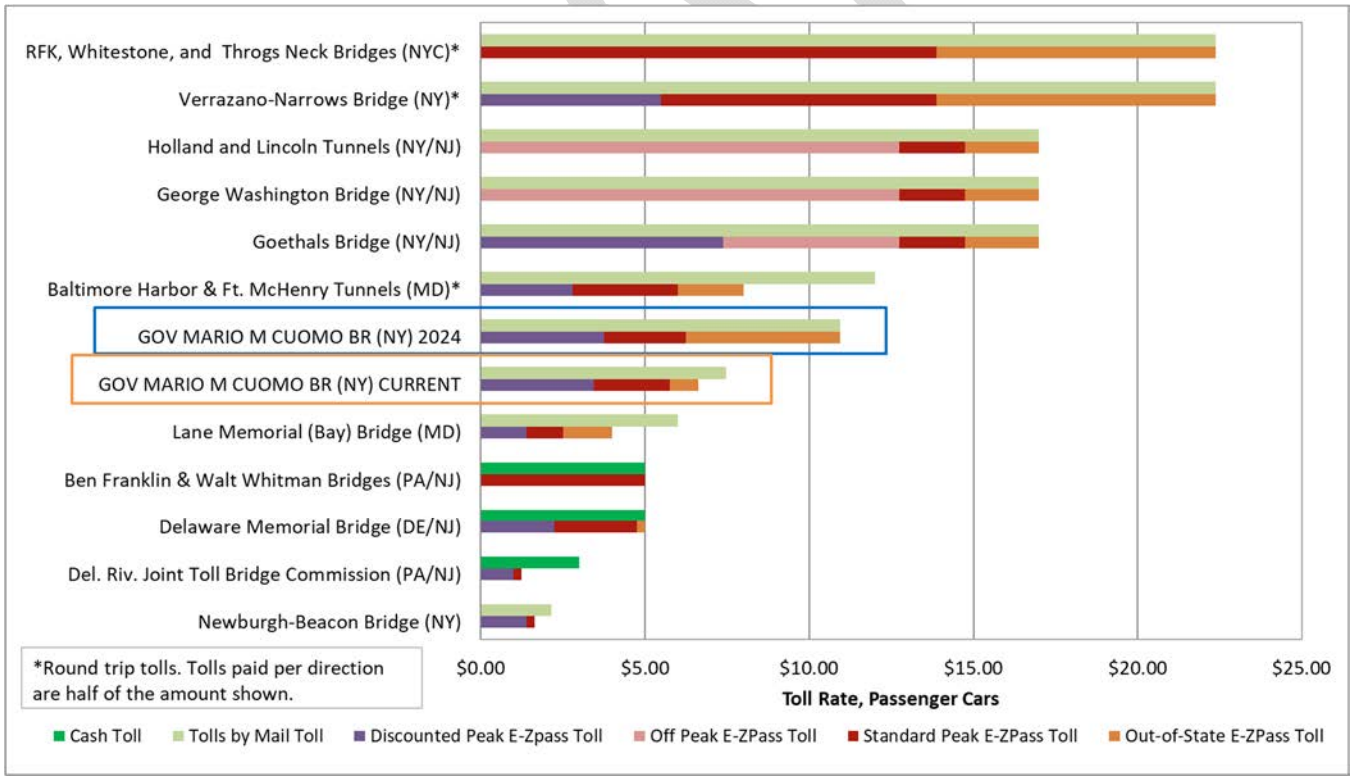


Figure 3: Round Trip Toll Rates on Major Toll Crossings in the Northeast, 5-Axle Trucks

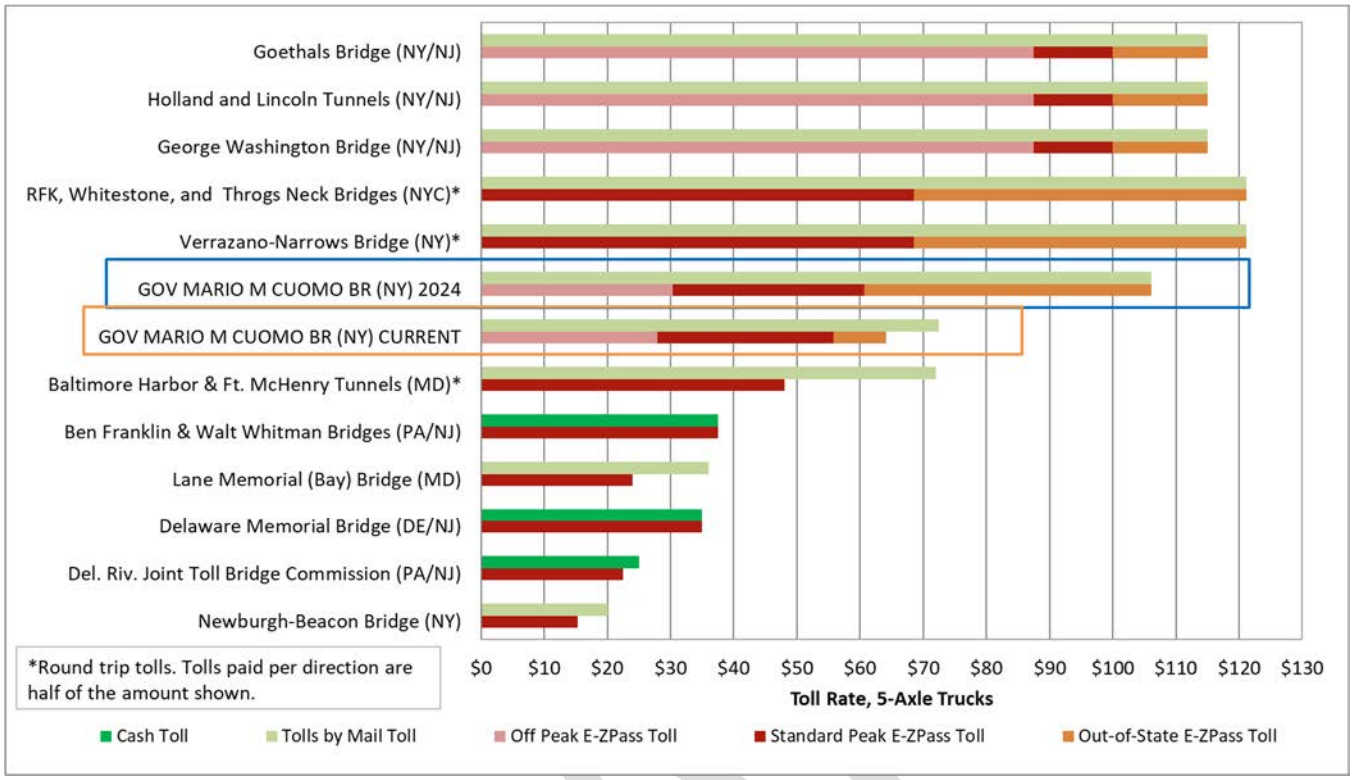


Figure 4 and Figure 5 compare the current and proposed 2024 Thruway controlled system toll rates per mile to current rates on a number of major toll roads in the northeastern quadrant of the United States. Rates for Tolls by Mail, in-state standard E-ZPass, and out-of-state E-ZPass are shown. Note the comparatively low per-mile passenger car toll rates proposed for the Thruway's controlled system when compared to other toll facilities, as shown in Figure 4.

The current and proposed 5-axle truck rates, as seen in Figure 5, are also comparatively low on the Thruway relative to current rates on other regional facilities and will be effectively lower than the rate shown due to the commercial volume discount program.

Figure 4: Peak Toll Rates Per-Mile on Toll Roads in the Northeastern Quadrant of U.S., Passenger Cars

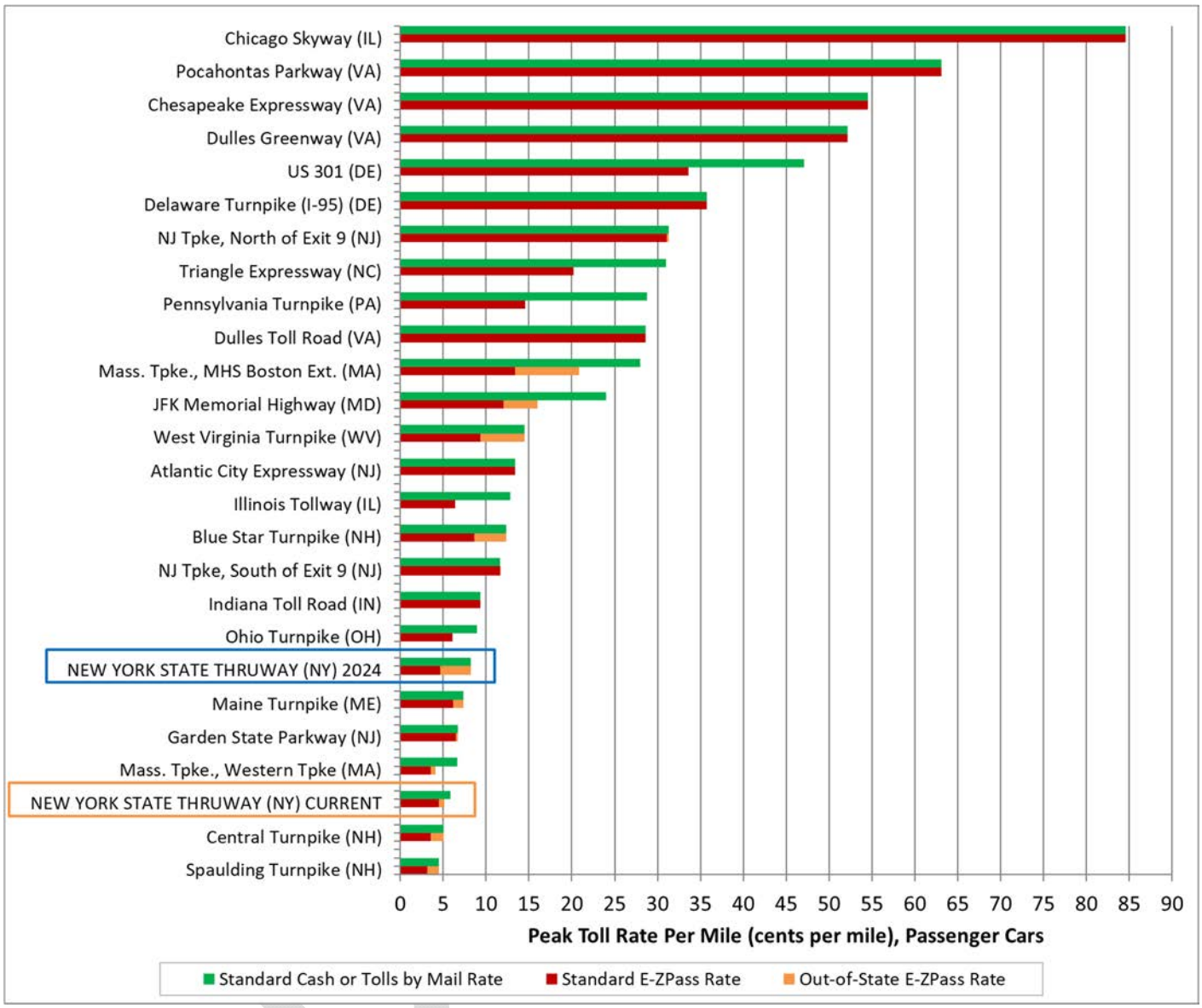
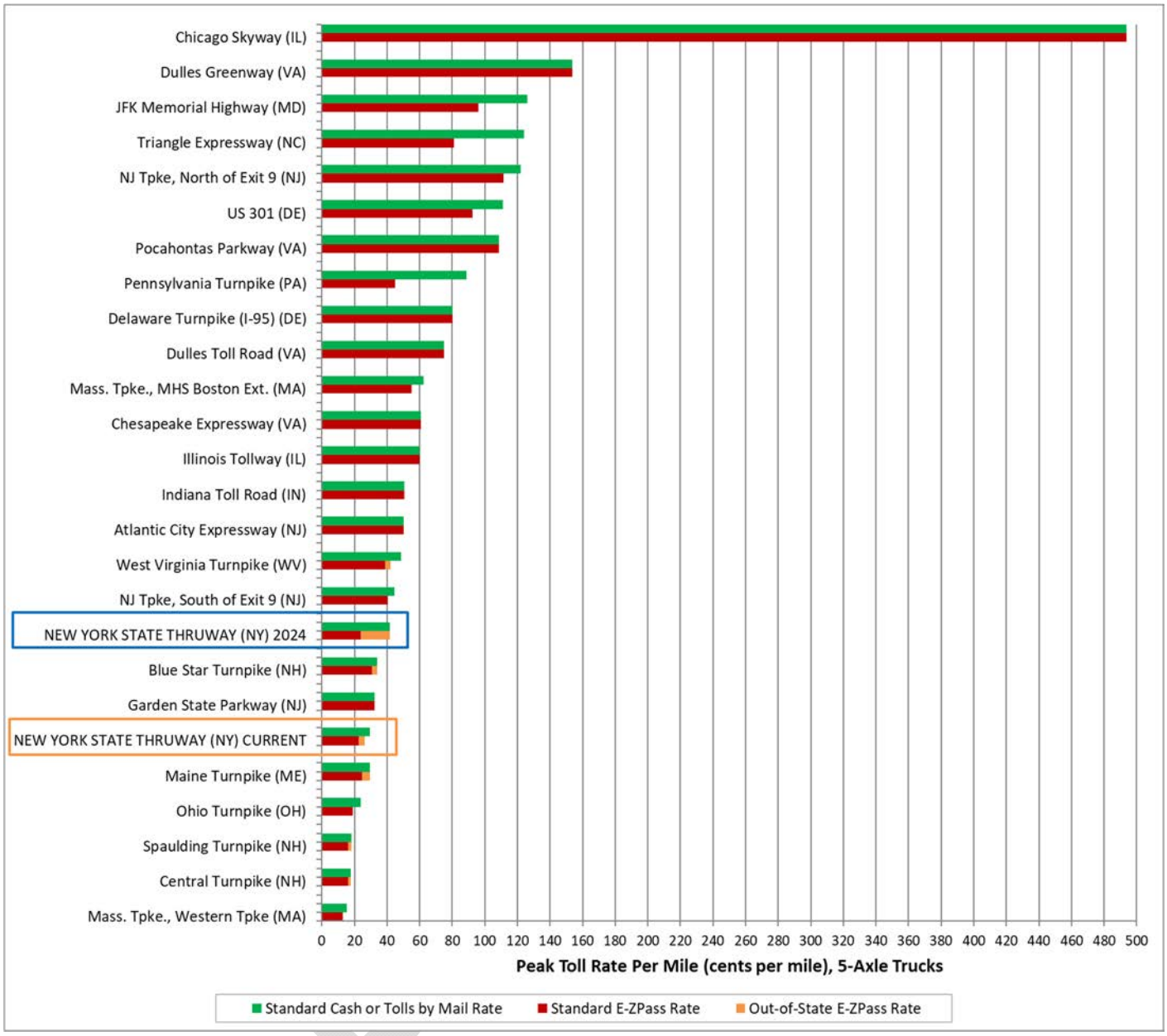


Figure 5: Peak Toll Rates Per-Mile on Toll Roads in the Northeastern Quadrant of U.S, 5-Axle Trucks



3.7.2 Comparison of Tolls by Mail Charges

Table 13 compares premiums charged for Tolls by Mail among cashless tolling facilities nationwide. Current and proposed 2024 premiums at Thruway facilities are shown. With the toll modification, the current 30 percent premium on the standard NY E-ZPass rate is proposed would be increased to 75 percent for Tolls by Mail customers at Authority facilities, which is still comparable to other cashless toll facilities nationwide. Note that the proposed premium will remain at 75 percent throughout the 2024-2027 toll increase period and thereafter.

Table 13: Comparison of Tolls by Mail Premiums on Cashless Tolling Facilities Nationwide

Facility or Agency	TBM Toll Rate Premium (% and $ amount)	
CASHLESS TOLL CROSSINGS		
Bay Area Tolling Authority (CA)	0%	$0.00
Golden Gate Br. (CA)	12%	$1.00
Port Authority of NY&NJ Crossings	15%	$2.25
Gov. Mario M. Cuomo Br. - Current	30%	$1.73
NYSBA Bridges (NY)	30%	$0.50
MassDOT Crossings (MA)	37%/24%	$0.30
Tacoma Narrows Br. (WA)	44%	$2.00
RITBA's Newport Pell Bridge (RI)	50%	$2.00
Sanibel Causeway (FL)	50%	$3.00
MTA Major Bridges & Tunnels (NY)	55%	$3.62
Gov. Mario M. Cuomo Br. - Recommended 2024 Rate	75%	$4.69
RiverLink crossings (KY/IN)	100%	$2.40
MTA Cross Bay and Marine Parkway Bridges (NY)	108%	$2.64
South Norfolk Jordan Br. (VA)	132%	$3.96
MDTA crossings	100%-140%	$3.50-$6.00
DRJTBC's Scudder Falls Bridge (PA/NJ)	140%	$1.75
Midpoint and Cape Coral Bridges (FL)	150%	$3.00
MTA Henry Hudson Br. (NY)	150%	$4.50
SR 520 Br. (WA)	47%-160%	$2.00
Elizabeth River Tunnel (VA)	299%/250%	$4.18
CASHLESS TOLL ROADS		
Northwest Parkway (CO) (mainline)	20%	$1.00
Tampa-Hillsborough Expwy Auth (FL) (full length)	25%	$1.08
Florida Turnpike - cashless facilities	25% (avg.)	varies
NYS Thruway Mainline (full length) - Current	30%	$6.14
Western Turnpike (MA) (full length)	33%	$3.00 ($0.30 per gantry)
Transportation Corridor Agencies (CA)	0-36%	$0-$2.40 per gantry
U.S. Route 301 (DE) (full length)	40%	$1.60
Intercounty Connector (MD) (full length)	50%	$1.92 (peak)
Central Texas Regional Mobility Authority Facilities (TX)	50%	$0.34-$0.91 per gantry
Central Texas Turnpike System Facilities (TX)	50%	$0.28-$1.03 per gantry
Triangle Expy (NC) (full length)	53%	$2.03
E-470 (CO) (full length)	59%	$8.30
I-95 Express Toll Lanes (MD)	65%	$1.00
NYS Thruway Mainline (full length) - Recommended 2024 Rate	75%	$16.07
North TX Toll Authority NTTA (TX)	50-90%	$0.28-$1.19 per gantry
Illinois Tollway I-88 (full length)	100%	$5.10
Miami-Dade Expressway (FL)	100%	$0.23-$0.66 per gantry
Pennsylvania Tpke Mainline (full length) (PA)	103%	$52.00
Kilpatrick Turnpike (OK) (full length)	108%	$2.75
Boston Extension (MA) (full length)	109%	$0.90 ($0.30 per gantry)

Notes: Proposed 75 percent premium at Thruway facilities applied in 2024 will remain throughout the forecast period.
TBM = Tolls by Mail.

The Authority currently assess a $2 per-bill administrative surcharge for Tolls by Mail trips to offset printing and mailing costs; no change to this is proposed. A comparison of billing surcharges among cashless facilities is shown in Table 14. The Authority charges a reasonable administrative surcharge per bill when compared to other agencies.

Table 14: Comparison of Administrative Per-Bill Surcharges at Cashless Toll Facilities

Tolling Authority	Administrative Surcharge per Billing Statement
MassDOT	$0.60
Northwest Parkway (CO)	$0.80
Central TX Regional Mobility Authority	$1.00 (in state)/$2.00 (out of state)
Central TX Turnpike System	$1.15
New York State Thruway Authority	$2.00
Florida's Turnpike	$2.50
Tampa-Hillsborough Expwy Authority (FL)	$2.50
Miami-Dade Expressway (FL)	$3.00

4.0 DIVERSION ANALYSIS

This chapter discusses the process and factors that informed the development of estimated diversion percentages and toll rate elasticities resulting from the proposed toll modifications. The analysis includes a best route analysis using estimates of the value of time ("VOT").

4.1 TOLL ELASTICITY

Toll elasticity is the measure of the change in traffic on a toll facility in relation to the change in toll rate. It is expressed numerically as the change of traffic at a toll facility if there were a 100 percent toll increase. For example, an elasticity of -0.05 means that five percent of the vehicles would no longer use the facility when tolls are doubled.

Typically, toll elasticities for a given toll facility are inferred from data from previous toll increases on that facility. In cases where data for a given facility is unavailable, it is typical to refer to data for other similar or regional facilities, or facilities with similar availability of alternative routes, as well as general industry statistics.

4.1.1 Review of Historical Traffic Data

Toll traffic on the Thruway is measured in transactions, or the number of vehicles counted through the tolling points. We have reviewed the more than forty years of toll transaction data to examine the historical trends, including the impacts of toll modifications, changes to the system, and other factors.

The Thruway Authority has modified toll rates several times in the past two decades. The most recent toll increases occurred in 2021 and 2022, 9 months and 21 months into the COVID-19 pandemic, respectively, when traffic was in a state of recovery. Additionally, the controlled system was converted to AET about six weeks before the 2021 toll increase, with changes to many of the toll collection points, resulting in a large jump in mainline toll transactions (a trip on the controlled system was counted as one transaction before the conversion; now up to twelve transactions may be incurred depending on the number of tolling segments traveled). These factors made it impossible to isolate the impacts of the recent toll modifications.

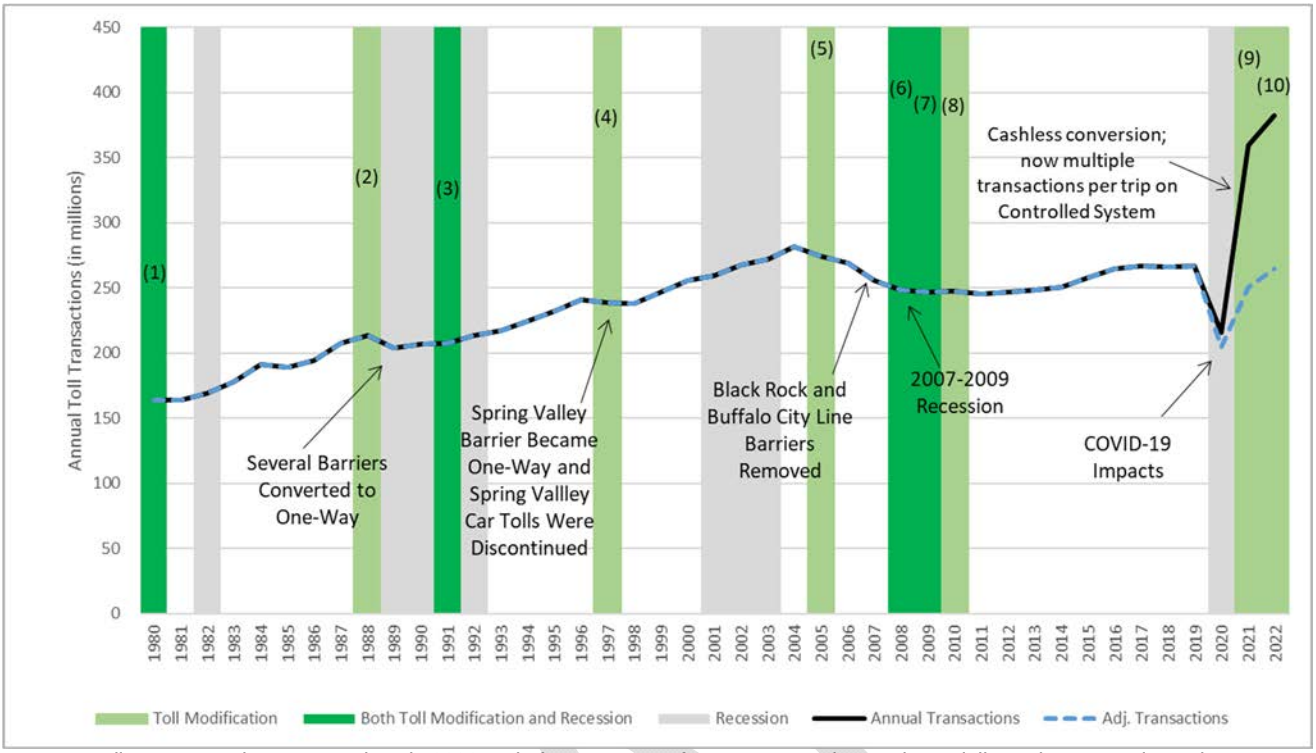
Increases in 2008, 2009, and 2010 were of a comparatively small magnitude of between 5 and 10 percent. Those increases also occurred during a period of great economic distress, when both passenger and commercial traffic

levels were in a decline, nationally. As such, it was not possible to isolate the effect of the toll modifications on traffic during the three-year period.

As part of the 2005 toll modification, there was a general change in the vehicle class structure. The simplification reduced the number of basic vehicle classes from 43 to 9 based on height and number of axles; in addition, some larger trucks that once counted as two tolls were now counted as one. The change in class structure and subsequent change in the reporting of trips resulted in a reported reduction of toll transactions that was greater than the actual loss of traffic.

Prior to the 2005 toll modification, the Thruway has generally seen relatively small reactions to toll modifications, and most of the larger periods of traffic reduction have stemmed from recessions and other factors, such as conversion to one-way tolling or removal of toll locations. Oftentimes, toll modifications overlap with periods of economic recession. Figure 6 shows historical toll transactions on the entire Thruway overlaid with toll increases and recessions. As illustrated in the figure, most of the decreases in toll transactions overlap with either recessions or the removal of tolls, and therefore lower tolled transaction counts were recorded. Reductions in traffic related to toll increases, alone, appear to be small. Note that the large jump in transactions seen in 2021 was due to cashless conversion of the controlled system where there may now be multiple transactions per trip. The figure shows an adjusted transactions line to account for this; it converts the new cashless system transactions to equivalent pre-cashless system transactions to better represent overall traffic growth.

Figure 6: Historical Thruway Toll Transactions and Toll Modifications



Note: Adjustment made to transactions in 2020 and after to account for AET conversion on the mainline, where one trip on the controlled system (mainline) was previously one transaction, and may now be composed of one to twelve transactions depending on the number of tolling segments traveled.
(1) 1980 – Average Toll Increase of 25% Passenger Cars, 30% Commercial
(2) 1988 – Average Toll Increase of 32% Passenger Cars, 38% Commercial
(3) 1991 – Spring Valley Toll Adjustment, Passenger Cars Only
(4) 1997 – Tappan Zee Corridor Relief (Congestion Pricing)
(5) 2005 – System Reclassification, Average Toll Increase of 25% Passenger Cars, 35% Commercial
(6) 2008 – Average Toll Increase of 10% for All Vehicles, Plus Reduction of E-ZPass Discount in July
(7) 2009 – Average Toll Increase of 5% for All Vehicles
(8) 2010 – Average Toll Increase of 5% for All Vehicles (not apparent in all toll schedules, due to rounding)
(9) 2021 – Toll Increases of 9% and 24% for non-NY E-ZPass and Tolls by Mail vehicles, respectively, on all facilities other than the Governor Mario M. Cuomo Bridge. The Governor Mario M. Cuomo Bridge had toll increases of 5% for commuters, 11% for non-Resident Plan E-ZPass cars and trucks up to class 4H, 21% for non-NY E-ZPass cars and trucks up to 4H and 37% for Tolls by Mail cars and trucks up to 4H. Class 5H and larger trucks on the Governor Mario M. Cuomo Bridge had toll increases of 31% for NY E-ZPass, 51% for Non-NY E-ZPass and 70% for Tolls by Mail.
(10) 2022 – The Governor Mario M. Cuomo Bridge had toll increases of 10% for all cars and trucks up to class 4H, with the exception of Resident Plan cars which did not see a toll increase. 5H and larger trucks on the Bridge had a 30% toll increase.

While it is difficult to isolate elasticities specific to past toll modifications on Thruway facilities, it is expected that elasticities on the Thruway fall within a typical range of -0.03 to -0.25 based on past studies prepared on behalf of the Thruway, as well as actual data from other toll agencies in the northeast that were studied by Stantec. For example, the toll elasticity on the New Hampshire Turnpike System was about -0.10 for its last toll increase, and the Newport Pell Bridge in Rhode Island exhibited a toll elasticity of about -0.05 for its last toll increase. These have not been adjusted for economic conditions, construction impacts, and other regional effects. As such, the elasticities presented may reflect higher diversion rates than each facility actually experienced due to the toll increases alone.

4.1.2 Estimated Diversions and Toll Elasticities on the Thruway

Toll diversion estimates have been developed for each Thruway barrier facility and segments of the controlled system, and conclude that diversion off the Thruway in response to the proposed toll modification will be minor, at

approximately 3.2 percent of total traffic. The diversion percentages and estimated toll elasticities by section of the Thruway are summarized in Table 15. Note that estimated diversions on the Thruway mainline vary by segment due to variation in E-ZPass market share.

Table 15: Estimated Toll Diversion and Elasticity

Toll Location	Diversion Percentage for All Vehicles	Toll Elasticity [3]
Mainline, Woodbury Section	3.3% [1]	-0.13
Mainline, Erie Section	3.7% [2]	-0.12
Gov. Mario M. Cuomo Bridge	2.0%	-0.04
Spring Valley	2.9%	-0.08
New Rochelle	3.8%	-0.17
Yonkers	3.0%	-0.17
Harriman	3.6%	-0.16
Grand Island Bridges	3.4%	-0.16
Thruway Average	3.2%	-0.09

[1] Overall trips on this section. Diversion varies by segment from 2.8% - 3.5%
[2] Overall trips on this section. Diversion varies by segment from 3.5% - 3.9%
[3] Toll elasticity is the percent change in volume divided by the percent change in average toll rate. For example, an elasticity of -0.13 means that with a 100 percent toll increase, 13 percent of the vehicles would no longer use the toll facility (or, with a 10 percent toll increase, 1.3 percent of vehicles would no longer use the facility).

4.2 ROUTE CHOICES

The Thruway was built between 1949 and 1960, with its first segments completed and opened to traffic in 1954. The construction of the Thruway was primarily intended to provide a faster, more efficient highway connecting the major cities of New York State. The Thruway serves as an alternative to Route 9 and 9W for trips between Albany and Metro-New York and as an alternative to US Route 20 for east-west traffic between Albany and Buffalo. The Thruway also serves as an alternative to Route 17/I-86 for traffic between the Metro-New York and the Buffalo region. Many of the older routes between these cities still exist today and can be considered alternate route choices for Thruway travelers. In addition, several other major highways have been constructed since the Thruway opened, including I-81, I-84 and I-88, which also provide alternatives to the Thruway. For many trips within and across the state, these alternate routes can provide shorter, faster, and more efficient routes when compared to making the same trip using the Thruway.

Modern route planning techniques used by many drivers and trucking companies are designed to optimize route selection and take into consideration factors such as travel time, tolls, and fuel mileage. Additionally, trucking companies consider vertical grades, salaries, load optimization, and other factors to select the optimal route for travel. The analysis of potential diversion considers these route choice factors. It is important to note that a majority of vehicles using the Thruway are doing so because it has already been determined to be the “best” route for their trip purpose or operation of their particular business needs. Similarly, the drivers using alternate routes have often determined that those routes are the “best” route to meet their needs.

In the past, the Thruway has commissioned several studies to analyze toll rates and their impact on alternate routes. For example, a commercial vehicle study analyzed Route 63 in western New York State to identify alternatives that would move traffic off of Route 63 and onto the Thruway. This study found that even if the Thruway were toll-free, Route 63 would continue to be both faster and more cost effective for commercial vehicle operators to use. Another study was completed that analyzed commercial traffic trends on Route 20 in the Skaneateles area, which found that for many trips Route 20 was the faster and more efficient route, regardless of whether there was a toll on the

Thruway. To further demonstrate that for some travelers other routes can be the "best" route, regardless of the toll modifications, the study compared the costs of various Thruway trips with the costs of alternative route trips.

4.2.1 Vehicle Costs Per Mile

There are many cost considerations involved in a driver's decision to select a certain route, including visible costs, such as tolls and fuel prices, as well as hidden costs, such as the costs of distance, time, and convenience.

Many commercial drivers on the Thruway are New York E-ZPass customers and have several discounts available to them. NY E-ZPass tolls are discounted compared to out-of-state E-ZPass and Tolls by Mail rates. For those with a New York E-ZPass, frequent traveler discounts are available to passenger cars, and many commercial drivers participate in the Commercial Volume Discount program ("CVD"). In addition, the State provides a highway use tax credit to qualifying trucks for miles driven on the Thruway within a tax year, whereas no tax credit is offered for travel on other state roads. In the analysis, it was assumed that commercial vehicles traveling on the Thruway would utilize this tax credit and that commercial travelers would receive an additional 15 percent discount from participation in the CVD program. No frequent user discount was assumed in this analysis for passenger cars.

To determine marginal cost per mile estimates, recent historical passenger car and commercial vehicle marginal cost data published by the American Automobile Association ("AAA") and the American Transportation Research Institute ("ATRI") were reviewed. These historical data indicate that car and truck marginal cost per mile did not consistently grow over the last 10 years; rather; marginal expenses for both vehicle types fluctuated. Thus, marginal expenses reported for the most recent year – 2022 from AAA and 2021 from ATRI – were assumed in this analysis for car and truck costs, respectively. The 2022 AAA and 2021 ATRI marginal cost line-item and total estimates are provided in Table 16. Backing out tolls, driver wages, and driver benefits (i.e., driver's value of time and convenience components of marginal cost) for trucks, a reasonable adjusted estimate of vehicle-based expenses is approximately $0.763 per mile for passenger car drivers and $1.014 per mile for commercial vehicle drivers. These adjusted total cost estimates are assumed in the route choice analysis.

In addition to visible and hidden vehicle-based cost components, this analysis also looks at a driver's value of time. Driver value of time (VOT) can vary based on the driver's salary, contract type (if applicable), trip purpose, and other factors that affect willingness to pay for time savings. For passenger cars, VOT is typically estimated to be in the range of 40 to 60 percent of median household income. In 2021, median household income in New York State was about $75,000. The driving VOT estimated from this is in the range of $14.40 to $21.60 per hour for passenger cars. For commercial vehicles, the American Transportation Research Institute estimates that an average industry operational speed of approximately 40 miles per hour can be used to estimate the average commercial driver's value of time, which has ranged from $63 per hour (2015) to $75 per hour (2021).

For the analysis, varying driver VOT were analyzed. An average of $18 per hour for passenger cars and $75 per hour for commercial vehicles has been assumed. For Thruway and potential alternate routes, we estimated travel time using mapping software with additional factors considered to account for potential congestion and traffic signal delays.

Table 16: Average Marginal Costs per Mile

Marginal Expenses	Cars[1]	Trucks[2]
Vehicle-based		
Fuel & Oil Costs	$0.180	$0.417
Lease or Purchase Payments	$0.260	$0.279
Insurance Premiums	$0.159	$0.086
Permits and Licenses	$0.068	$0.016
Repair and Maintenance	$0.097	$0.175
Tires		$0.041
Tolls	-	$0.032
Driver-based		
Driver Wages	-	$0.627
Driver Benefits	-	$0.182
Total Cost (per Mile)[3]	**$0.763**	**$1.855**
Value-of-Time Components[4]	$0.000	$0.841
Adjusted Total Cost (per Mile)	**$0.763**	**$1.014**

[1] 2022 data, most recent data available; American Automobile Association, 2022 (https://newsroom.aaa.com/wp-content/uploads/2022/08/2022-YDC-Costs-Break-Out-by-Category.pdf)
[2] 2021 data, most recent data available: "An Analysis of the Operational Costs of Trucking: 2022 Update", American Transportation Research Institute, August 2022
[3] Line items may not sum to total shown due to rounding.
[4] Value-of-time expenses (tolls, driver wages, and driver benefits) are removed from the Total Cost per Mile for trucks in an effort to make the Adjusted Total Cost per Mile more comparable between cars and trucks. In the Route Analysis, tolls and travel time costs are considered separately for both cars and trucks.

It is important to note that several components that influence a driver's VOT, such as route quality, convenience, familiarity, and access to amenities, were not considered directly in this analysis, as cost value conversions for such components are difficult to quantify. However, toll roads such as the Thruway generally offer more frequent and better-quality service plazas and have other attractive qualities, such as better pavement, lower levels of traffic congestion, and more reliable driving conditions in bad weather. These non-tangible factors would likely positively influence a driver's decision to utilize the Thruway.

4.2.2 Sample Route Analysis

Table 17 exhibits the sample trips considered in this analysis. Sample trips included the "best" Thruway-based routes for class 2L (passenger car) vehicles with a NY E-ZPass account, no diversions to alternative routes as a result of toll modifications, and assumed a driver VOT of $18 per hour. Although toll rates for NY E-ZPass customers increase about 10 percent between 2024 and 2027 for most of the Thruway under the proposed toll modifications (5 percent toll increase in 2024 and a subsequent 5 percent increase in 2027), the total trip cost only increases by about 0.3 percent on average.

Table 17: Sample Thruway-Based Routes with Current and Proposed Tolls for Class 2L Vehicles paying with a NY E-ZPass (VOT $18/Hr)

Corridor	Primary Directions of Travel	Via	Estimated Current Trip Cost	Estimated New Trip Cost	Increase in Overall Trip Cost	Percent Increase in Overall Trip Cost
Manchester, NH to Skaneateles	E-W	I-90 (Exit 34A)	$394.50	$395.33	$0.83	0.2%
Manchester, NH to Syracuse	E-W	I-90 (Exit 36)	$370.37	$371.23	$0.86	0.2%
Manchester, NH to Rochester	E-W	I-90 (Exit 46)	$467.45	$468.68	$1.22	0.3%
Manchester, NH to Buffalo	E-W	I-90 (Exit 51)	$525.50	$526.99	$1.49	0.3%
Manchester, NH to Brampton (Ontario)	E-W	I-90 (Exit 50, I290, I190, GIB)	$626.39	$627.98	$1.59	0.3%
Springfield, MA to Skaneateles	E-W	I-90	$269.33	$270.16	$0.83	0.3%
Springfield, MA to Syracuse	E-W	I-90 (Exit 36)	$248.19	$249.05	$0.86	0.3%
Springfield, MA to Rochester	E-W	I-90 (Exit 45)	$340.54	$341.72	$1.17	0.3%
Springfield, MA to Buffalo	E-W	I-90	$400.77	$402.26	$1.49	0.4%
Springfield, MA to Brampton (Ontario)	E-W	I-90 (Exit 50) Grand Island	$508.31	$509.89	$1.59	0.3%
Albany to Buffalo	E-W	I-90	$309.78	$311.03	$1.25	0.4%
Rochester to Erie	E-W	I-90 (Exit 46 to PA Line)	$174.93	$175.43	$0.50	0.3%
Queens NY to Schenectady	N-S	TNB, I-95 , I-287, I-87, I-90 (GMMCB)	$207.04	$207.78	$0.74	0.4%
Schenectady to Queens NY	N-S	I-90, I-87, (GMMCB), I-287, I-95 ,TNB	$210.83	$213.40	$2.57	1.2%
Morristown, NJ to Schenectady	N-S	I-87 (I-287, I-87, I-90)	$177.85	$178.41	$0.57	0.3%
Manhattan to Albany	N-S	NYSTA (LT, I95, I80, NJ17, I87, I90)	$163.79	$164.30	$0.51	0.3%
Manhattan to Rochester	SE-NW	I-81(LT,I280,I80,I380, I81,I690, I90,I390)	$355.26	$355.54	$0.28	0.1%
Manhattan to Buffalo	SE-NW	I81 (LT,I280,I80,I380,I81,I90)	$429.85	$430.45	$0.60	0.1%
Binghamton to Batavia	SE-NW	I-81(I81,I690,I-90)	$197.23	$197.69	$0.46	0.2%

4.2.3 Best Route Analysis

The Thruway, however, may not be the best route choice under the current toll structure or with the proposed modifications if the hidden and visible costs are included and drivers are willing to divert. For example, Table 18 through Table 20 suggest that the best route choice by overall cost for several east-west trip pairs is often a combination of the Thruway and Route 20 rather than traveling by Thruway only, assuming a driver VOT of $18 per hour. Similar best route choices for some north-south trip pairs via a combination of the Thruway and other facilities are also suggested in the associated tables. As such, many alternate routes to the Thruway already have a lower cost, and the decision to use those routes over the Thruway will likely have already occurred. It is important to note that despite the imposition of the proposed toll modifications, the net change in total trip cost due to the higher tolls remains quite low, illustrating that the impact of the proposed toll modifications on diversion and related costs will be relatively minor. The following series of tables present the estimated best route for each sample trip with current tolls for representative Class 2L (passenger car) and Class 5H (five-axle commercial truck) vehicles. For each class, tables are presented for three payment types: New York State E-ZPass, Out-of-State E-ZPass, and Toll by Mail. The representative tables shown assume a VOT of $18 per hour for cars and $75 per hour for trucks. For NY E-ZPass trips, which make up the vast majority of trips on the system, the increase in overall trip cost is estimated to be 0.4 percent or less for cars and 0.8 percent or less for trucks. For other payment types, the increase in overall trip cost is estimated to be 3.1 percent or less for cars and 7.1 percent or less for trucks.

Table 18: Estimated Best Routes Based on Trip Costs for Class 2L Vehicles paying with a New York State E-ZPass (VOT $18/Hr)

Corridor	Primary Directions of Travel	Via	Estimated Current Trip Cost	Estimated New Trip Cost	Increase in Overall Trip Cost	Percent Increase in Overall Trip Cost
Manchester, NH to Skaneateles	E-W	I-90 and US-20(w of Albany)	$389.58	$389.82	$0.24	0.1%
Manchester, NH to Syracuse	E-W	VT-9 and US-20	$349.27	$349.27	$-	0.0%
Manchester, NH to Rochester	E-W	VT-9, US-20, NY 104	$459.59	$459.59	$-	0.0%
Manchester, NH to Buffalo	E-W	I-90 (Exit 51)	$525.50	$526.99	$1.49	0.3%
Manchester, NH to Brampton (Ontario)	E-W	I-90 (Exit 50, I290, I190, GIB)	$626.39	$627.98	$1.59	0.3%
Springfield, MA to Skaneateles	E-W	I-90 and US-20 (w of Albany)	$268.73	$268.97	$0.24	0.1%
Springfield, MA to Syracuse	E-W	I-90 (Exit 36)	$248.19	$249.05	$0.86	0.3%
Springfield, MA to Rochester	E-W	I-90 (Exit 45)	$340.54	$341.72	$1.17	0.3%
Springfield, MA to Buffalo	E-W	I-90	$400.77	$402.26	$1.49	0.4%
Springfield, MA to Brampton (Ontario)	E-W	I-90 (Exit 50) Grand Island	$508.31	$509.89	$1.59	0.3%
Albany to Buffalo	E-W	I-90	$309.78	$311.03	$1.25	0.4%
Rochester to Erie	E-W	I-90 (Exit 46 to PA Line)	$174.93	$175.43	$0.50	0.3%
Queens NY to Schenectady	N-S	NYSTA (RFKB, GWB, US9W, I87, I90)	$201.87	$202.43	$0.57	0.3%
Schenectady to Queens NY	N-S	I-90, I-87, NBB, I-84, I-684, I-95, TNB	$210.73	$211.16	$0.43	0.2%
Morristown, NJ to Schenectady	N-S	I-87 (I-287, I-87, I-90)	$177.85	$178.41	$0.57	0.3%
Manhattan to Albany	N-S	NYSTA (LT, I95, I80, NJ17, I87, I90)	$163.79	$164.30	$0.51	0.3%
Manhattan to Rochester	SE-NW	I-81(LT,I280,I80,I380,I81, I690, I90,I390)	$355.26	$355.54	$0.28	0.1%
Manhattan to Buffalo	SE-NW	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	$404.55	$404.55	$-	0.0%
Binghamton to Batavia	SE-NW	I390 (I86,I390,63)	$177.97	$177.97	$-	0.0%

Table 19: Estimated Best Routes Based on Trip Costs for Class 2L Vehicles paying with an Out-of-State E-ZPass (VOT $18/Hr)

Corridor	Primary Directions of Travel	Via	Estimated Current Trip Cost	Estimated New Trip Cost	Increase in Overall Trip Cost	Percent Increase in Overall Trip Cost
Manchester, NH to Skaneateles	E-W	I-90 and US-20(w of Albany)	$389.13	$390.96	$1.83	0.5%
Manchester, NH to Syracuse	E-W	VT-9 and US-20	$348.97	$348.97	$-	0.0%
Manchester, NH to Rochester	E-W	VT-9, US-20, NY 104	$459.59	$459.59	$-	0.0%
Manchester, NH to Buffalo	E-W	I-90 (Exit 51)	$526.87	$538.21	$11.34	2.2%
Manchester, NH to Brampton (Ontario)	E-W	I-90 (Exit 50, I290, I190, GIB)	$627.90	$639.98	$12.09	1.9%
Springfield, MA to Skaneateles	E-W	I-90 and US-20 (w of Albany)	$268.83	$270.67	$1.83	0.7%
Springfield, MA to Syracuse	E-W	I-90 (Exit 36)	$249.20	$255.75	$6.55	2.6%
Springfield, MA to Rochester	E-W	I-90 (Exit 45)	$342.00	$350.92	$8.92	2.6%
Springfield, MA to Buffalo	E-W	I-90	$402.68	$414.03	$11.34	2.8%
Springfield, MA to Brampton (Ontario)	E-W	I-90 (Exit 50) Grand Island	$510.37	$522.45	$12.09	2.4%
Albany to Buffalo	E-W	I-90	$311.60	$321.11	$9.51	3.1%
Rochester to Erie	E-W	I-90 (Exit 46 to PA Line)	$175.65	$179.43	$3.78	2.2%
Queens NY to Schenectady	N-S	NYSTA (RFKB, GWB, US9W, I87, I90)	$206.31	$210.62	$4.31	2.1%
Schenectady to Queens NY	N-S	I-90, I-87, NBB, I-84, I-684, I-95, TNB	$214.97	$218.25	$3.28	1.5%
Morristown, NJ to Schenectady	N-S	I-87 (I-287, I-87, I-90)	$178.67	$182.98	$4.31	2.4%
Manhattan to Albany	N-S	NYSTA (LT, I95, I80, NJ17, I87, I90)	$164.53	$168.42	$3.89	2.4%
Manhattan to Rochester	SE-NW	I-81(LT,I280,I80,I380,I81, I690, I90,I390)	$355.67	$357.81	$2.14	0.6%
Manhattan to Buffalo	SE-NW	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	$404.55	$404.55	$-	0.0%
Binghamton to Batavia	SE-NW	I390 (I86,I390,63)	$177.97	$177.97	$-	0.0%

Table 20: Estimated Best Routes Based on Trip Costs for Class 2L Vehicles paying with Tolls by Mail (VOT $18/Hr)

Corridor	Primary Directions of Travel	Via	Estimated Current Trip Cost	Estimated New Trip Cost	Increase in Overall Trip Cost	Percent Increase in Overall Trip Cost
Manchester, NH to Skaneateles	E-W	I-90 and US-20(w of Albany)	$392.08	$393.56	$1.48	0.4%
Manchester, NH to Syracuse	E-W	VT-9 and US-20	$349.27	$349.27	$-	0.0%
Manchester, NH to Rochester	E-W	VT-9, US-20, NY 104	$459.59	$459.59	$-	0.0%
Manchester, NH to Buffalo	E-W	US - 20(VT-9)	$531.36	$531.36	$-	0.0%
Manchester, NH to Brampton (Ontario)	E-W	I-90 (Exit 50, I290, I190, GIB)	$632.82	$642.58	$9.77	1.5%
Springfield, MA to Skaneateles	E-W	I-90 and US-20 (w of Albany)	$270.34	$271.82	$1.48	0.5%
Springfield, MA to Syracuse	E-W	I-90 (Exit 36)	$251.60	$256.90	$5.29	2.1%
Springfield, MA to Rochester	E-W	I-90 (Exit 45)	$344.86	$352.07	$7.21	2.1%
Springfield, MA to Buffalo	E-W	I-90	$406.01	$415.18	$9.17	2.3%
Springfield, MA to Brampton (Ontario)	E-W	I-90 (Exit 50) Grand Island	$513.84	$523.60	$9.77	1.9%
Albany to Buffalo	E-W	I-90	$313.43	$321.11	$7.68	2.5%
Rochester to Erie	E-W	I-90 (Exit 46 to PA Line)	$176.38	$179.43	$3.05	1.7%
Queens NY to Schenectady	N-S	NYSTA (RFKB, GWB, US9W, I87, I90)	$207.14	$210.62	$3.48	1.7%
Schenectady to Queens NY	N-S	I-90, I-87, NBB, I-84, I-684, I-95, TNB	$216.10	$218.75	$2.65	1.2%
Morristown, NJ to Schenectady	N-S	I-87 (I-287, I-87, I-90)	$179.50	$182.98	$3.48	1.9%
Manhattan to Albany	N-S	NYSTA (LT, I95, I80, NJ17, I87, I90)	$165.28	$168.42	$3.14	1.9%
Manhattan to Rochester	SE-NW	I-81(LT,I280,I80,I380,I81, I690, I90,I390)	$357.83	$359.56	$1.73	0.5%
Manhattan to Buffalo	SE-NW	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	$406.30	$406.30	$-	0.0%
Binghamton to Batavia	SE-NW	I390 (I86,I390,63)	$177.97	$177.97	$-	0.0%

Table 21: Estimated Best Routes Based on Trip Costs for Class 5H Vehicles paying with a New York State E-ZPass (VOT $75/Hr)

Corridor	Primary Directions of Travel	Via	Estimated Current Trip Cost	Estimated New Trip Cost	Increase in Overall Trip Cost	Percent Increase in Overall Trip Cost
Manchester, NH to Skaneateles	E-W	I-90 (Exit 34A)	$841.26	$844.84	$3.59	0.4%
Manchester, NH to Syracuse	E-W	I-90 (Exit 36)	$786.09	$789.80	$3.71	0.5%
Manchester, NH to Rochester	E-W	I-90 (Exit 46)	$999.06	$1,004.35	$5.29	0.5%
Manchester, NH to Buffalo	E-W	I-90 (Exit 51)	$1,121.11	$1,127.54	$6.43	0.6%
Manchester, NH to Brampton (Ontario)	E-W	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	$1,328.53	$1,328.53	$-	0.0%
Springfield, MA to Skaneateles	E-W	I-90	$577.40	$580.99	$3.59	0.6%
Springfield, MA to Syracuse	E-W	I-90 (Exit 36)	$534.74	$538.45	$3.71	0.7%
Springfield, MA to Rochester	E-W	I-90 (Exit 45)	$732.44	$737.50	$5.06	0.7%
Springfield, MA to Buffalo	E-W	I-90	$861.24	$867.67	$6.43	0.7%
Springfield, MA to Brampton (Ontario)	E-W	I-90 (Exit 50) Grand Island	$1,092.33	$1,099.11	$6.78	0.6%
Albany to Buffalo	E-W	I-90	$657.23	$662.62	$5.39	0.8%
Rochester to Erie	E-W	I-90 (Exit 46 to PA Line)	$376.43	$378.57	$2.14	0.6%
Queens NY to Schenectady	N-S	NYSTA (RFKB, GWB, US9W, I87, I90)	$459.48	$461.93	$2.44	0.5%
Schenectady to Queens NY	N-S	I-90, I-87, NBB, I-84, I-684, I-95, TNB	$483.23	$485.08	$1.86	0.4%
Morristown, NJ to Schenectady	N-S	I-87 (I-287, I-87, I-90)	$391.16	$393.61	$2.44	0.6%
Manhattan to Albany	N-S	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	$204.41	$204.57	$0.17	0.1%
Manhattan to Rochester	SE-NW	I-81(LT,I280,I80,I380,I81, I690, I90,I390)	$771.54	$772.76	$1.21	0.2%
Manhattan to Buffalo	SE-NW	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	$880.32	$880.32	$-	0.0%
Binghamton to Batavia	SE-NW	I390 (I86,I390,63)	$377.85	$377.85	$-	0.0%

Table 22: Estimated Best Routes Based on Trip Costs for Class 5H Vehicles paying with an Out-of-State E-ZPass (VOT $75/Hr)

Corridor	Primary Directions of Travel	Via	Estimated Current Trip Cost	Estimated New Trip Cost	Increase in Overall Trip Cost	Percent Increase in Overall Trip Cost
Manchester, NH to Skaneateles	E-W	I-90 (Exit 34A)	$856.58	$888.73	$32.15	3.8%
Manchester, NH to Syracuse	E-W	I-90 (Exit 36)	$801.98	$835.28	$33.31	4.2%
Manchester, NH to Rochester	E-W	I-90 (Exit 46)	$1,021.95	$1,069.35	$47.40	4.6%
Manchester, NH to Buffalo	E-W	I-90 (Exit 51)	$1,149.10	$1,206.78	$57.68	5.0%
Manchester, NH to Brampton (Ontario)	E-W	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	$1,328.18	$1,328.18	$-	0.0%
Springfield, MA to Skaneateles	E-W	I-90	$593.08	$625.23	$32.15	5.4%
Springfield, MA to Syracuse	E-W	I-90 (Exit 36)	$550.98	$584.28	$33.31	6.0%
Springfield, MA to Rochester	E-W	I-90 (Exit 45)	$754.69	$800.07	$45.37	6.0%
Springfield, MA to Buffalo	E-W	I-90	$889.59	$947.27	$57.68	6.5%
Springfield, MA to Brampton (Ontario)	E-W	I-90 (Exit 50) Grand Island	$1,121.88	$1,182.72	$60.84	5.4%
Albany to Buffalo	E-W	I-90	$681.24	$729.59	$48.35	7.1%
Rochester to Erie	E-W	I-90 (Exit 46 to PA Line)	$386.30	$405.51	$19.21	5.0%
Queens NY to Schenectady	N-S	NYSTA (RFKB, GWB, US9W, I87, I90)	$492.79	$514.71	$21.91	4.4%
Schenectady to Queens NY	N-S	I-90, I-87, NBB, I-84, I-684, I-95, TNB	$514.22	$530.89	$16.67	3.2%
Morristown, NJ to Schenectady	N-S	I-87 (I-287, I-87, I-90)	$401.76	$423.67	$21.91	5.5%
Manhattan to Albany	N-S	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	$205.15	$206.66	$1.51	0.7%
Manhattan to Rochester	SE-NW	I-81(LT,I280,I80,I380,I81, I690, I90,I390)	$776.95	$787.83	$10.88	1.4%
Manhattan to Buffalo	SE-NW	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	$880.32	$880.32	$-	0.0%
Binghamton to Batavia	SE-NW	I390 (I86,I390,63)	$377.85	$377.85	$-	0.0%

Table 23: Estimated Best Routes Based on Trip Costs for Class 5H Vehicles paying with Tolls by Mail (VOT $75/Hr)

Corridor	Primary Directions of Travel	Via	Estimated Current Trip Cost	Estimated New Trip Cost	Increase in Overall Trip Cost	Percent Increase in Overall Trip Cost
Manchester, NH to Skaneateles	E-W	I-90 (Exit 34A)	$864.89	$890.87	$25.98	3.0%
Manchester, NH to Syracuse	E-W	I-90 (Exit 36)	$810.51	$837.42	$26.91	3.3%
Manchester, NH to Rochester	E-W	I-90 (Exit 46)	$1,033.18	$1,071.48	$38.30	3.7%
Manchester, NH to Buffalo	E-W	I-90 (Exit 51)	$1,162.31	$1,208.91	$46.61	4.0%
Manchester, NH to Brampton (Ontario)	E-W	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	$1,328.53	$1,328.53	$-	0.0%
Springfield, MA to Skaneateles	E-W	I-90	$600.14	$626.12	$25.98	4.3%
Springfield, MA to Syracuse	E-W	I-90 (Exit 36)	$558.26	$585.17	$26.91	4.8%
Springfield, MA to Rochester	E-W	I-90 (Exit 45)	$764.29	$800.95	$36.67	4.8%
Springfield, MA to Buffalo	E-W	I-90	$901.54	$948.15	$46.61	5.2%
Springfield, MA to Brampton (Ontario)	E-W	I-90 (Exit 50) Grand Island	$1,134.44	$1,183.60	$49.16	4.3%
Albany to Buffalo	E-W	I-90	$690.50	$729.57	$39.07	5.7%
Rochester to Erie	E-W	I-90 (Exit 46 to PA Line)	$389.98	$405.50	$15.53	4.0%
Queens NY to Schenectady	N-S	NYSTA (RFKB, GWB, US9W, I87, I90)	$496.99	$514.70	$17.71	3.6%
Schenectady to Queens NY	N-S	I-90, I-87, NBB, I-84, I-684, I-95, TNB	$522.17	$535.64	$13.47	2.6%
Morristown, NJ to Schenectady	N-S	I-87 (I-287, I-87, I-90)	$405.95	$423.66	$17.71	4.4%
Manhattan to Albany	N-S	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	$205.44	$206.66	$1.22	0.6%
Manhattan to Rochester	SE-NW	I-81(LT,I280,I80,I380,I81, I690, I90,I390)	$781.53	$790.32	$8.79	1.1%
Manhattan to Buffalo	SE-NW	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	$882.82	$882.82	$-	0.0%
Binghamton to Batavia	SE-NW	I390 (I86,I390,63)	$377.85	$377.85	$-	0.0%

For higher value of time assumptions ($40 per hour for cars and $85 per hour for trucks), the Thruway is currently the "best" route choice for nearly all sample trip pairs under the current toll schedule. The Thruway is less frequently the "best" route choice for lower values of time ($12 per hour for cars and $30 per hour for trucks). When the trip pairs are analyzed with the proposed toll modification, the “best” route choice is similarly influenced primarily by value of time assumptions.

Table 24 through Table 29 present a summary of changes in route choice with the proposed toll modifications for Class 2L cars and Class 5H trucks for different payment methods across a range of values of time. For vehicles

paying with NY E-ZPass, fewer changes are expected to "best" route choices as a result of the toll modification, because NY E-ZPass customers would only see a small change in overall trip cost compared with other payment types. Class 2L vehicles with a VOT of $12 to $18 per hour and Class 5H vehicles with a VOT of $50 to $75 per hour are not expected to have any change in “best” route choice if paying with NY E-ZPass, as illustrated in Table 24 and Table 27.

For payment methods with more widespread toll modifications, such as Class 5H with an Out-of-State E-ZPass (Table 28), the toll modifications only cause a change in “best” route choice for one identified trip pair if a VOT of $85 per hour is assumed (though the new “best” trip continues to use a portion of the Thruway); however, if a lower VOT is assumed, it is estimated that several trip pairs might choose routes with lower tolls. For instance, six trip pairs may choose routes with lower overall costs for a VOT of $50 per hour, with two of these trips no longer using the Thruway at all. A more detailed analysis of the various values of time and route alternatives is presented in Appendix A of this report.

Table 24: Value of Time and Route Alternatives – Changes in Route Preference as a Result of the Toll Modification, Class 2L Vehicles paying with a New York State E-ZPass

Corridor	Primary Directions of Travel	Value of Time				
		$12/hr	$18/hr	$25/hr	$30/hr	$40/hr
Manchester, NH to Skaneateles	E-W	No Chng	No Chng	▪	No Chng	No Chng
Manchester, NH to Syracuse	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Manchester, NH to Rochester	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Manchester, NH to Buffalo	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Manchester, NH to Brampton (Ontario)	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Skaneateles	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Syracuse	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Rochester	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Buffalo	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Brampton (Ontario)	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Albany to Buffalo	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Rochester to Erie	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Queens NY to Schenectady	N-S	No Chng	No Chng	No Chng	No Chng	No Chng
Schenectady to Queens NY	N-S	No Chng	No Chng	▪	▪	▪
Morristown, NJ to Schenectady	N-S	No Chng	No Chng	No Chng	No Chng	No Chng
Manhattan to Albany	N-S	No Chng	No Chng	No Chng	No Chng	No Chng
Manhattan to Rochester	SE-NW	No Chng	No Chng	No Chng	No Chng	No Chng
Manhattan to Buffalo	SE-NW	No Chng	No Chng	No Chng	No Chng	No Chng
Binghamton to Batavia	SE-NW	No Chng	No Chng	No Chng	No Chng	No Chng

Legend	
▪	Continues to use portion of Thruway
x	No longer uses the Thruway
No Chng	No change from previous route

Table 25: Value of Time and Route Alternatives – Changes in Route Preference as a Result of the Toll Modification, Class 2L Vehicles paying with an Out-of-State E-ZPass

Corridor	Primary Directions of Travel	Value of Time				
		$12/hr	$18/hr	$25/hr	$30/hr	$40/hr
Manchester, NH to Skaneateles	E-W	No Chng	No Chng	No Chng	▪	No Chng
Manchester, NH to Syracuse	E-W	No Chng	No Chng	No Chng	x	No Chng
Manchester, NH to Rochester	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Manchester, NH to Buffalo	E-W	No Chng	x	No Chng	No Chng	No Chng
Manchester, NH to Brampton (Ontario)	E-W	x	x	x	No Chng	No Chng
Springfield, MA to Skaneateles	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Syracuse	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Rochester	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Buffalo	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Brampton (Ontario)	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Albany to Buffalo	E-W	x	No Chng	No Chng	No Chng	No Chng
Rochester to Erie	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Queens NY to Schenectady	N-S	No Chng	No Chng	No Chng	No Chng	No Chng
Schenectady to Queens NY	N-S	No Chng	No Chng	No Chng	No Chng	▪
Morristown, NJ to Schenectady	N-S	No Chng	No Chng	No Chng	No Chng	No Chng
Manhattan to Albany	N-S	No Chng	No Chng	No Chng	No Chng	No Chng
Manhattan to Rochester	SE-NW	No Chng	No Chng	No Chng	No Chng	No Chng
Manhattan to Buffalo	SE-NW	No Chng	No Chng	No Chng	No Chng	No Chng
Binghamton to Batavia	SE-NW	No Chng	No Chng	No Chng	No Chng	No Chng

Legend

▪	Continues to use portion of Thruway
x	No longer uses the Thruway
No Chng	No change from previous route

Table 26: Value of Time and Route Alternatives – Changes in Route Preference as a Result of the Toll Modification, Class 2L Vehicles paying with Tolls by Mail

Corridor	Primary Directions of Travel	Value of Time				
		$12/hr	$18/hr	$25/hr	$30/hr	$40/hr
Manchester, NH to Skaneateles	E-W	No Chng	x	No Chng	▪	No Chng
Manchester, NH to Syracuse	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Manchester, NH to Rochester	E-W	No Chng	No Chng	x	No Chng	No Chng
Manchester, NH to Buffalo	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Manchester, NH to Brampton (Ontario)	E-W	No Chng	x	x	x	No Chng
Springfield, MA to Skaneateles	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Syracuse	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Rochester	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Buffalo	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Brampton (Ontario)	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Albany to Buffalo	E-W	x	No Chng	No Chng	No Chng	No Chng
Rochester to Erie	E-W	No Chng	No Chng	No Chng	No Chng	No Chng
Queens NY to Schenectady	N-S	No Chng	No Chng	No Chng	No Chng	No Chng
Schenectady to Queens NY	N-S	No Chng	No Chng	No Chng	No Chng	▪
Morristown, NJ to Schenectady	N-S	No Chng	No Chng	No Chng	No Chng	No Chng
Manhattan to Albany	N-S	No Chng	No Chng	No Chng	No Chng	No Chng
Manhattan to Rochester	SE-NW	No Chng	No Chng	No Chng	No Chng	No Chng
Manhattan to Buffalo	SE-NW	No Chng	No Chng	No Chng	No Chng	No Chng
Binghamton to Batavia	SE-NW	No Chng	No Chng	No Chng	No Chng	No Chng

Legend

▪	Continues to use portion of Thruway
x	No longer uses the Thruway
No Chng	No change from previous route

Table 27: Value of Time and Route Alternatives – Changes in Route Preference as a Result of the Toll Modification, Class 5H Vehicles paying with a New York State E-ZPass

Corridor	Primary Directions of Travel	Value of Time					
		$30/hr	$40/hr	$50/hr	$65/hr	$75/hr	$85/hr
Manchester, NH to Skaneateles	E-W	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Manchester, NH to Syracuse	E-W	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Manchester, NH to Rochester	E-W	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Manchester, NH to Buffalo	E-W	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Manchester, NH to Brampton (Ontario)	E-W	No Chng	No Chng	No Chng	No Chng	No Chng	x
Springfield, MA to Skaneateles	E-W	No Chng	▪	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Syracuse	E-W	▪	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Rochester	E-W	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Buffalo	E-W	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Brampton (Ontario)	E-W	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Albany to Buffalo	E-W	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Rochester to Erie	E-W	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Queens NY to Schenectady	N-S	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Schenectady to Queens NY	N-S	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Morristown, NJ to Schenectady	N-S	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Manhattan to Albany	N-S	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Manhattan to Rochester	SE-NW	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Manhattan to Buffalo	SE-NW	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Binghamton to Batavia	SE-NW	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng

Legend	
▪	Continues to use portion of Thruway
x	No longer uses the Thruway
No Chng	No change from previous route

Table 28: Value of Time and Route Alternatives – Changes in Route Preference as a Result of the Toll Modification, Class 5H Vehicles paying with an Out-of-State E-ZPass

Corridor	Primary Directions of Travel	Value of Time					
		$30/hr	$40/hr	$50/hr	$65/hr	$75/hr	$85/hr
Manchester, NH to Skaneateles	E-W	No Chng	No Chng	No Chng	No Chng	▪	▪
Manchester, NH to Syracuse	E-W	No Chng	No Chng	No Chng	x	x	No Chng
Manchester, NH to Rochester	E-W	No Chng	No Chng	No Chng	x	No Chng	No Chng
Manchester, NH to Buffalo	E-W	No Chng	No Chng	x	No Chng	No Chng	No Chng
Manchester, NH to Brampton (Ontario)	E-W	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Skaneateles	E-W	No Chng	No Chng	▪	▪	No Chng	No Chng
Springfield, MA to Syracuse	E-W	No Chng	▪	▪	No Chng	No Chng	No Chng
Springfield, MA to Rochester	E-W	▪	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Buffalo	E-W	▪	▪	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Brampton (Ontario)	E-W	▪	▪	▪	No Chng	No Chng	No Chng
Albany to Buffalo	E-W	No Chng	x	▪	No Chng	No Chng	No Chng
Rochester to Erie	E-W	x	No Chng	No Chng	No Chng	No Chng	No Chng
Queens NY to Schenectady	N-S	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Schenectady to Queens NY	N-S	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Morristown, NJ to Schenectady	N-S	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Manhattan to Albany	N-S	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Manhattan to Rochester	SE-NW	x	x	x	No Chng	No Chng	No Chng
Manhattan to Buffalo	SE-NW	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Binghamton to Batavia	SE-NW	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng

Legend	
▪	Continues to use portion of Thruway
x	No longer uses the Thruway
No Chng	No change from previous route

Table 29: Value of Time and Route Alternatives – Changes in Route Preference as a Result of the Toll Modification, Class 5H Vehicles paying with Tolls by Mail

Corridor	Primary Directions of Travel	Value of Time					
		$30/hr	$40/hr	$50/hr	$65/hr	$75/hr	$85/hr
Manchester, NH to Skaneateles	E-W	No Chng	x	No Chng	No Chng	▪	▪
Manchester, NH to Syracuse	E-W	No Chng	No Chng	No Chng	No Chng	x	No Chng
Manchester, NH to Rochester	E-W	No Chng	No Chng	No Chng	x	No Chng	No Chng
Manchester, NH to Buffalo	E-W	No Chng	No Chng	x	No Chng	No Chng	No Chng
Manchester, NH to Brampton (Ontario)	E-W	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Skaneateles	E-W	No Chng	No Chng	No Chng	▪	No Chng	No Chng
Springfield, MA to Syracuse	E-W	No Chng	No Chng	▪	No Chng	No Chng	No Chng
Springfield, MA to Rochester	E-W	▪	No Chng	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Buffalo	E-W	▪	▪	No Chng	No Chng	No Chng	No Chng
Springfield, MA to Brampton (Ontario)	E-W	▪	▪	▪	No Chng	No Chng	No Chng
Albany to Buffalo	E-W	No Chng	x	▪	No Chng	No Chng	No Chng
Rochester to Erie	E-W	x	No Chng	No Chng	No Chng	No Chng	No Chng
Queens NY to Schenectady	N-S	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Schenectady to Queens NY	N-S	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Morristown, NJ to Schenectady	N-S	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Manhattan to Albany	N-S	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Manhattan to Rochester	SE-NW	x	x	x	No Chng	No Chng	No Chng
Manhattan to Buffalo	SE-NW	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng
Binghamton to Batavia	SE-NW	No Chng	No Chng	No Chng	No Chng	No Chng	No Chng

Legend	
▪	Continues to use portion of Thruway
x	No longer uses the Thruway
No Chng	No change from previous route

Alternate routes to the Thruway are well known and are likely already being utilized by those operators where the alternate route provides the most efficient or cost-effective means of travel. Owner-operators typically receive a flat rate payment for their loads which, in effect, lowers their value of time. For these carriers, the toll modifications will have an impact on their travel choices. In contrast, contract carriers, large operators and drivers receiving hourly rates use sophisticated routing software to determine the "best" routes and generally have a higher value of time, putting a greater value on reliable travel times. As a result, they are more likely to select the Thruway as their best choice, especially considering the Thruway also offers many benefits that are outlined in the next section.

In summary, this VOT analysis shows that for a majority of the current Thruway trips, the Thruway is the "best" route and, for most of them, it will continue to be even after the proposed toll modifications are enacted. The VOT analysis was used to provide overall context to the potential diversion impacts of the proposed toll modifications. As discussed throughout this report, the analysis validates that there will only be minor traffic shifts as a result of the proposed toll changes.

4.2.4 Other Considerations

The route choice analysis was based on average, representative conditions a driver might encounter. Some drivers may benefit from additional discounts or service standards and be less likely to divert from the Thruway, as expanded upon in the following sections.

4.2.4.1 Recent Conversion of the Control System to Cashless Tolling

Conversions of the Thruway's barrier system and controlled system (mainline) to cashless tolling were completed in 2018 and 2020, respectively. Benefits of cashless tolling on Thruway users were not considered as part of this analysis; however, the replacement of physical toll plazas with overhead toll gantries has eliminated toll transaction times, resulting in additional time savings and less interruption on the Thruway mainline.

4.2.4.2 Impact of Discount Toll Programs

The Authority offers several discount programs, as detailed earlier in Section 3.4, which have been considered in the diversion analysis. Toll modifications generally result in an increase in the participation level in available discount programs. Current Tolls by Mail customers have the ability to mitigate the effective toll modifications by switching their method of payment to NY E-ZPass, and for commercial customers, availing themselves of the volume discount program.

Table 30 presents a comparison of tolls and discounts available for 2L and 5H vehicles for two sample trips, one long distance on the Thruway Mainline and one crossing the GMMCB. For example, a passenger car (2L) vehicle currently paying through Tolls by Mail for a trip from the Massachusetts state line to Williamsville pays a toll of $18.90. After the proposed 2024 and 2027 toll modifications, this trip would cost $28.01 when paid by Tolls by Mail, an increase of roughly 48 percent to the driver. If the driver were to enroll in the NY E-ZPass program, their new toll under the proposed toll modifications would be $16.00, which is in fact less than their current toll. The same is true for passenger car customers who are residents of Rockland or Westchester County and currently paying with Tolls by Mail at the GMMCB; if they sign up for the Resident Plan, their future E-ZPass toll rate would be less than their current Tolls by Mail rate. Passenger cars that switch from Tolls by Mail to a non-resident NY E-ZPass at the GMMCB would mitigate the proposed 81 percent Tolls by Mail toll increase down to a 4 percent toll increase.

Commercial vehicles have the additional option to opt into the Thruway Commercial Charge Account program and receive additional discounts based on the volume of toll charges incurred each month. Table 30 shows a breakdown of the discounts available for each tier of spending for Class 5H trucks and how the additional discounts factor in to the overall assessment of comparative toll increases. For an operator currently paying Tolls by Mail for a trip from the Massachusetts line to Williamsville, the toll is currently $96.02. Under the proposed toll modifications, this trip would cost $142.53 in 2027 when paid by Tolls by Mail. However, if the customer enrolled in the NY E-ZPass program, their new toll under the proposed toll modifications would be $81.45, an effective toll decrease of about 15 percent. Furthermore, if the operator opened a commercial charge account and qualified for the volume discount, additional savings would be available. If the commercial account (not single operator) incurred this trip 80 times in one month (2 drivers making a round trip each weekday, for example), the account would qualify for an additional $450 discount, resulting in an adjusted average toll decrease of as much as 18 percent. Considering the same discount program, an operator making many GMMCB crossings could see a slight reduction in tolls by switching to a NY E-ZPass and receiving the volume discount, rather than seeing a Tolls by Mail rate increase of 81 percent.

Although the majority of passenger cars that travel frequently on the Thruway already take advantage of the NY E-ZPass discount plans, savings could be recognized by qualifying non-NY E-ZPass or Tolls by Mail customers if they switched to NY E-ZPass and enrolled in one of the account-specific discount plans (for which they meet eligibility requirements, if any), detailed previously in Section 3.4, such as the Thruway Annual Permit Plan or one of the gantry-specific commuter plans.

It is anticipated that some non-NY E-ZPass and Tolls by Mail customers will move to the NY E-ZPass program to take advantage of generous discounts and remain on the Thruway despite the implementation of the toll modifications.

Table 30: Effective Toll Charges and Comparative Increase for Tolls by Mail Customers that Switch to New York E-ZPass

Cost Categories & Comparisons	Sample Trips				
	Thruway Mainline *MA line to Williamsville*		**Bridge Crossing** *Gov. Mario M. Cuomo Bridge*		
	2L	**5H**	**2L Resident**	**2L Non-Resident**	**5H**
TOLL RATES					
Current TBM Rate	**$18.90**	**$96.02**	**$7.48**	**$7.48**	**$72.51**
Proposed 2027 TBM Rate	$28.01	$142.53	$13.56	$13.56	$131.55
Percent Increase with no customer action	*48%*	*48%*	*81%*	*81%*	*81%*
Proposed 2027 NY E-ZPass Rate	**$16.00**	**$81.45**	**$6.20**	**$7.75**	**$75.17**
2027 Effective Discount w/NY E-ZPass	*-43%*	*-43%*	*-54%*	*-43%*	*-43%*
Effective Increase with Switch to NY E-ZPass Account	***-15%***	***-15%***	***-17%***	***4%***	***4%***
ADDITIONAL DISCOUNTS (USING NY E-ZPASS MONTHLY COSTS)					
Sample Round Trips per Account per Month	*2*	*80*	*15*	*2*	*80*
Current TBM Rate	$75.60	$15,363.20	$112.20	$14.96	$5,800.80
Proposed NY E-ZPass Rate	**$64.02**	**$13,031.83**	**$93.00**	**$15.50**	**$6,013.60**
10% on $1,001 to $2,000		-$100.00			-$100.00
15% on $2,001 to $3,000		-$150.00			-$150.00
20% on above $3,001		-$200.00			-$200.00
Total Volume Discount[2]		**-$450.00**			**-$450.00**
ADJUSTED MONTHLY TOLL COST (WITH SWITCH TO NY E-ZPASS)					
New Cost with NY Account	$64.02	$12,581.83	$93.00	$15.50	$5,563.60
Effective Increase with Switch to NY E-Zpass & Commerical Charge Account	**-15%**	**-18%**	**-17%**	**4%**	**-4%**

Note: Volume discounts require enrollment as a Thruway Commercial Charge Account Customer

4.2.4.3 Allowance for Tandem Vehicles and High Service Levels on Thruway

In addition to utilizing the value of time analysis in determining the ultimate potential impact of the toll modifications on route choices, the study also took into account the Thruway's allowance for tandem vehicles. The Thruway allows longer combination vehicles ("LCV"), tandem combinations of two trailers up to 48 feet each in length, which are not allowed elsewhere on the State's highway system. A primary benefit of this combination is that it allows one tractor and one driver to transit two 48-foot trailers across the State, providing a significant savings in costs to the operators.

To facilitate the operator's ability to utilize these combination vehicles, the Authority provides special tandem lots at major interchanges across the system. At these locations the tandem combinations are split and can be stored for brief periods of time to facilitate the local movement of local freight or the continuation of their trip in a legal vehicle configuration on the balance of the National Highway System. As a result, a de minimis number of these vehicle types would change their route choice as a result of the toll modifications.

High service levels enhance the value of traveling the Thruway, including the reliability of travel time, availability of services, proactive response to snowstorms, and the historically higher level of highway maintenance than other competing roadways. The Authority also responded to a request made by commercial vehicle operators for additional parking facilities at some of the service areas, offering nearly 1,000 special truck parking spaces where drivers can rest and have access to 24-hour food, fuel, and other services. These high service levels may influence a commercial operator's decision to continue to utilize the Thruway subsequent to proposed toll modifications. The Authority is currently in the process of redeveloping all 27 service areas on the Thruway. These upgrades will incorporate truck driver services in select locations, further improving the benefits afforded to commercial traffic along the system and influencing continued use of the Thruway as a preferred route.

4.2.4.4 Impact of Hours of Service Rule

The NYSDOT, through the Federal Motor Carrier Safety Administration, has established hour-of-service requirements that informed the analysis. For operators of commercial vehicles with Gross Vehicle Weight Ratings greater than 10,000 pounds, the regulations require a maximum of 11 hours of driving during 14 hours of duty time in any one 24-hour period. Simply stated, this means that a driver cannot drive more than 11 hours in any continuous 24-hour period. This regulation serves to mitigate the potential of diversion in several ways.

In previous travel studies, the Stantec project team members had the opportunity to interview several commercial operators and individual owner-operators about the cost of operating their fleets. Many large fleet operators situate their terminals to maximize the 11 hours of individual driver time so that vehicle usage is maximized. As a result of the efficient placement of these terminal locations, diversions off the Thruway due to the proposed toll modifications for these large carriers will likely be small.

Smaller owner-operator carriers are also impacted by hour-of-service rules, but the impact of a toll modifications to these types would be greater than for larger carriers. Generally, owner-operators are paid a fixed amount for loads. Some operators make route choices based on the costs associated with a single load, and other operators seek to maximize the number of loads they accept. An operator that seeks to maximize revenues for a single load would accept longer drive times in order to save costs. Other operators that seek to maximize their revenues on a long-term basis may accept a lower margin on a faster route so that they would be able to accept additional loads in an annual period.

4.2.4.5 Impact of New York State Highway Use Tax

The diversion analysis also considers the tax credit offered under the Highway-Use Tax in New York State. The Highway-Use Tax is based upon the weight of a commercial vehicle and the distance traveled in a year on mileage on the tolled portions of the Thruway. For a 50,000-pound vehicle the tax is $0.0252 per mile, and for an 80,000-pound vehicle the tax is $0.0546 per mile. The law exempts all travel on toll-paid portions of the Thruway from this tax. As a result of this exemption, any vehicle that would change its current route from the Thruway to any adjacent route would be subject to the Highway-Use Tax for those miles now traveled on the alternate route.

5.0 ALTERNATIVE ROUTE ANALYSES

An alternative route analysis was performed to identify potential routes drivers could utilize in order to avoid the Thruway toll system and measures the potential traffic impact this diversion could have on those alternate routes. The following identifies the methodology and assumptions used and summarizes the results of the analyses.

5.1 TRAFFIC DIVERSION METHODOLOGY AND ASSUMPTIONS

As discussed in Chapter 4.0, it is anticipated that proposed toll modifications would result in the diversion of some vehicles off the Thruway to alternate routes. In order to assess the potential impacts of the proposed toll modifications on affected roadways, recent historical traffic data provided by the Authority and the NYSDOT (as available through the online Traffic Data Viewer, or "TDV"[2]) were utilized.

The analysis divided the Thruway into segments based on interchange locations (each segment begins at one interchange and ends at the next). Based on 2022 average annual daily traffic provided by the Authority for the Thruway, peak hour diversion volumes by direction (see Table 31) were estimated using the following criteria for each segment:

- Since the proposed toll modifications are planned to occur in January 2024 through January 2027, the analysis of "Build versus No Build" (toll modification vs. no toll modification) used 2027 estimated traffic levels. The steps involved to estimate the 2027 "No Build" alternate route volumes are as follows:
    - First, 2022 volumes were estimated. At the time of this study, 2022 volume data on the alternate routes was not available, and 2020 and 2021 volumes were impacted by the COVID-19 pandemic. To estimate 2022 volumes on these routes, 2019 traffic was reduced by 0.5 percent to represent permanent losses due to COVID, such as a permanent shift to working more days from home than before the pandemic.
    - Next, diversion volumes from the 2021-2022 Thruway System toll modifications, which had been estimated for the *2020 Environmental Assessment for Proposed Toll Modification*, were added.
    - Total traffic growth of 5.7 percent for the Thruway System was forecasted between 2022 and 2027 (a compounded average growth rate of 1.1 percent per year). Statewide traffic was assumed to grow at a similar rate from 2022 to 2027, and this growth rate was applied to the alternative routes, except for various parkways and bridges in the metropolitan NYC area where forecasted traffic growth rates were extracted from the New York Metropolitan Transportation Council (NYMTC) Best Practice Model (BPM).
- Thruway directional (D) factors of 0.50 to 0.52 (50 to 52 percent of vehicles travel in the peak direction) were used, based on 2022 actual data and estimates derived for the controlled system.
- A Thruway peak hour (k) diversion factor of 0.07 was applied (7.0 percent of daily diversion off the Thruway was estimated to be during the peak hour)
- For purposes of this screening, diverted vehicles were converted to passenger car equivalents (PCEs) when applying them to alternate routes. The average truck was assumed to be equivalent to two passenger cars.
- Diversion rates ranging from 2.0 to 3.9 percent of total traffic were utilized based on the toll diversion model developed for financing purposes. The financial model produces "P90" forecasts, meaning that there is a 90 percent chance that actual toll traffic and revenues will exceed forecasts; therefore, the diversion rates used are conservatively on the high end of what could be expected. The diversion analysis is discussed in Chapter 4.0.

[2] https://www.dot.ny.gov/tdv

- An alternate route directional (D) factor of 0.60 (60 percent of vehicles travel in the peak direction) was assumed, except where more detailed information was available in the NYSDOT TDV.
- An alternate route peak hour (k) factor of 0.10 (10 percent of current traffic was assumed to be during the peak hour), except where actual information was available in the NYSDOT TDV.
- To be conservative for this screening analysis, in order to identify the most significant potential adverse impacts,*100 percent* of peak hour diverted volumes were applied and analyzed on *each* alternative route. Generally, no credit was taken for vehicles that would potentially divert to other roadways not included in the analysis, nor to any reduction in overall trip-making.

Diversion percentages forecasted in November 2022 for the proposed toll modifications were utilized to estimate the number of vehicles diverting from each section of the Thruway. For the traffic impact analysis, these diversion volumes were applied to roadways that would likely serve as alternate routes. 2022 Thruway hourly data indicates that about 7.0 to 8.1 percent of daily traffic occurs during the peak hour, and, since a smaller share of traffic diverts during peak times because it is generally composed of nondiscretionary trips, it is assumed that 7.0 percent of daily diversion traffic would occur during the peak hour. Based on the analysis, the maximum number of two-way diverted vehicles from the Thruway during the peak hour would be 188 from the controlled system segment between Interchanges 24 and 25 (3.2 percent diversion), and the maximum number of one-way diverted vehicles during the peak hour would be 159 from the New Rochelle Barrier (3.8 percent diversion). The average one-way peak hour diversion for all segments of the Thruway is 48 vehicles (3.2 percent diversion). Table 31 shows the location of each Thruway segment, the traffic by direction on an average day, and the assumed share of traffic during the peak hour that was used to estimate the peak hour diversion.

Table 31: Estimated Peak Hour Thruway Traffic Diversion by Segment

MAINLINE SECTION		AADT Peak Direction	AADT Off-Peak Direction	Peak Hr % of day	Peak Hr. Pk. Dir. Volume	Diversion %	Peak Direction Diversion	Off-Peak Direction Diversion	Affected Counties
Woodbury-Williamsville	S of 17	28,473	28,021	7%	1,993	2.8%	56	55	Westchester/Orange/Putnam
Woodbury-Williamsville	17-18	23,919	23,259	7%	1,674	2.9%	48	47	Ulster/Dutchess/Orange/Sullivan
Woodbury-Williamsville	18-19	23,223	22,582	7%	1,626	2.9%	47	46	Ulster/Dutchess/Sullivan
Woodbury-Williamsville	19-20	21,207	20,622	7%	1,485	2.9%	44	42	Ulster/Dutchess/Columbia/Sullivan/Delaware
Woodbury-Williamsville	20-21	19,671	19,128	7%	1,377	2.9%	41	39	Ulster/Greene/Columbia/Delaware
Woodbury-Williamsville	21-21B	19,093	18,566	7%	1,337	3.0%	39	38	Greene/Columbia/Delaware
Woodbury-Williamsville	21B-21A	22,018	21,410	7%	1,541	3.0%	46	44	Greene/Albany/Columbia
Woodbury-Williamsville	21A-22	26,644	25,908	7%	1,865	3.0%	56	54	Greene
Woodbury-Williamsville	22-23	26,672	25,935	7%	1,867	3.0%	56	54	Albany
Woodbury-Williamsville	23-24	27,457	26,592	7%	1,922	3.0%	58	56	Albany
Woodbury-Williamsville	24-25	42,505	41,166	7%	2,975	3.2%	95	92	Albany/Schenectady
Woodbury-Williamsville	25-25A	24,051	23,015	7%	1,684	3.2%	54	52	Albany/Schenectady
Woodbury-Williamsville	25A-26	16,373	15,543	7%	1,146	3.1%	36	34	Schenectady
Woodbury-Williamsville	26-27	15,650	14,798	7%	1,096	3.2%	35	33	Montgomery/Schenectady
Woodbury-Williamsville	27-28	13,192	12,423	7%	923	3.2%	30	28	Montgomery/Schenectady/Schoharie
Woodbury-Williamsville	28-29	12,944	12,141	7%	906	3.2%	29	27	Montgomery/Schoharie
Woodbury-Williamsville	29-29A	12,603	11,774	7%	882	3.2%	28	27	Herkimer/Montgomery/Ostego/Schoharie
Woodbury-Williamsville	29A-30	12,927	12,028	7%	905	3.2%	29	27	Herkimer/Ostego
Woodbury-Williamsville	30-31	13,014	12,159	7%	911	3.3%	30	28	Herkimer/Ostego/Oneida
Woodbury-Williamsville	31-32	12,497	11,722	7%	875	3.4%	29	27	Oneida/Broome/Delaware
Woodbury-Williamsville	32-33	15,050	14,173	7%	1,053	3.3%	35	33	Oneida/Madison/Broome
Woodbury-Williamsville	33-34	18,732	17,783	7%	1,311	3.4%	44	42	Oneida/Madison/Broome
Woodbury-Williamsville	34-34A	20,826	19,692	7%	1,458	3.4%	50	47	Onondaga/Madison/Broome
Woodbury-Williamsville	34A-35	14,163	13,285	7%	991	3.4%	33	31	Onondaga
Woodbury-Williamsville	35-36	15,718	14,685	7%	1,100	3.3%	37	34	Onondaga
Woodbury-Williamsville	36-37	19,236	17,899	7%	1,347	3.4%	45	42	Onondaga
Woodbury-Williamsville	37-38	18,916	17,461	7%	1,324	3.4%	45	41	Onondaga
Woodbury-Williamsville	38-39	17,533	16,120	7%	1,227	3.4%	41	38	Onondaga
Woodbury-Williamsville	39-40	20,641	18,826	7%	1,445	3.4%	49	45	Onondaga/Cayuga/Tioga/Broome

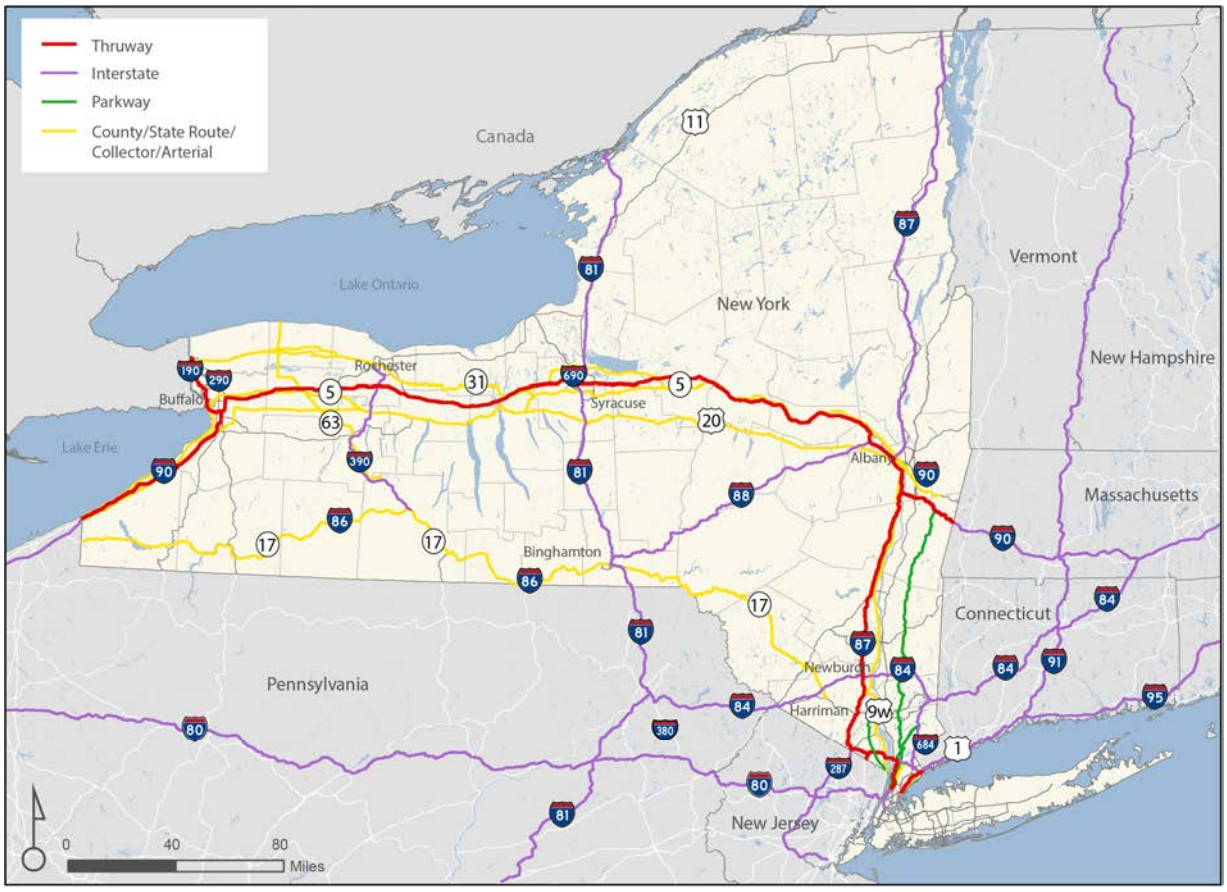
MAINLINE SECTION		AADT Peak Direction	AADT Off-Peak Direction	Peak Hr % of day	Peak Hr. Pk. Dir. Volume	Diversion %	Peak Direction Diversion	Off-Peak Direction Diversion	Affected Counties
Woodbury-Williamsville	40-41	18,384	16,834	7%	1,287	3.4%	44	40	Wayne/Seneca/Cayuga/Tioga
Woodbury-Williamsville	41-42	19,520	18,309	7%	1,366	3.4%	47	44	Wayne/Seneca/Ontario
Woodbury-Williamsville	42-43	21,861	20,505	7%	1,530	3.4%	53	49	Ontario/Wayne
Woodbury-Williamsville	43-44	23,320	21,874	7%	1,632	3.4%	56	53	Ontario/Wayne
Woodbury-Williamsville	44-45	32,128	30,015	7%	2,249	3.4%	77	72	Ontario/Monroe
Woodbury-Williamsville	45-46	17,028	15,908	7%	1,192	3.4%	40	38	Monroe/Franklin/Ontario/Livingston
Woodbury-Williamsville	46-47	15,638	14,609	7%	1,095	3.4%	38	35	Monroe/Livingston/Genesee
Woodbury-Williamsville	47-48	21,470	19,898	7%	1,503	3.5%	53	49	Monroe/Genesee/Orleans
Woodbury-Williamsville	48-48A	22,277	20,646	7%	1,559	3.5%	54	50	Genesee/Orleans
Woodbury-Williamsville	48A-49	22,811	20,973	7%	1,597	3.5%	55	51	Erie/Genesee/Niagara/Orleans
Woodbury-Williamsville	49-50	29,165	26,814	7%	2,042	3.4%	70	64	Erie/Niagara
Woodbury-Williamsville	21A-B1	8,443	8,177	7%	591	3.0%	18	17	Rensselaer
Woodbury-Williamsville	B1-B2	14,626	14,165	7%	1,024	3.0%	30	30	Rensselaer
Woodbury-Williamsville	B2-B3	13,255	12,838	7%	928	3.0%	28	27	Columbia
Erie Section	55-56	25,905	25,189	7%	1,813	3.5%	64	62	Erie
Erie Section	56-57	20,800	20,226	7%	1,456	3.6%	52	51	Erie
Erie Section	57-57A	16,646	16,187	7%	1,165	3.7%	43	42	Erie
Erie Section	57A-58	14,412	14,014	7%	1,009	3.7%	38	37	Erie/Chautauqua
Erie Section	58-59	13,970	13,584	7%	978	3.8%	37	36	Chautauqua
Erie Section	59-60	10,455	10,166	7%	732	3.9%	29	28	Chautauqua
Erie Section	60-61	10,153	9,873	7%	711	3.9%	28	27	Chautauqua
BARRIER SYSTEM (CASHLESS TOLL GANTRIES)									
Grand Island Bridges		34,767	28,446	7%	2,434	3.4%	82	67	Niagara/Erie
Yonkers Gantry		25,189	24,008	7%	1,763	3.0%	54	51	Westchester/Rockland
Harriman Gantry		24,160	23,872	7%	1,691	3.6%	60	60	Orange/Rockland
New Rochelle Gantry		59,413	-	7%	4,159	3.8%	159	-	Westchester
Spring Valley Gantry		5,416	-	7%	379	2.9%	11	-	Rockland
Gov Mario M. Cuomo Bridge		81,260	-	7%	5,688	2.0%	116	-	Rockland/Westchester/New York

5.2 TOLL LOCATIONS AND THEIR POTENTIAL ALTERNATIVE ROUTES

Primary Diversion Routes – Long Distance Trips

A number of roadways have been identified and analyzed as potential diversion routes; these are anticipated to experience a potential increase in traffic as a result of the proposed toll modifications. The long-distance diversion routes include: State Route 5, US Route 20, State Route 31, State Route 17/I-86, US Route 9W, and the Taconic State Parkway. Figure 7 shows the longer distance primary diversion routes.

Figure 7: Primary Diversion Routes



New Rochelle Toll Gantry

The location of the New Rochelle Toll Gantry is shown in Figure 8. Tolls are northbound only. Two primary diversion routes were identified that vehicles could potentially use to avoid tolls at New Rochelle. First, Boston Post Road (US Route 1) can be accessed via Exit 16 North Avenue and used as an alternate route, but it is circuitous. Second, the Hutchinson River Parkway parallels I-95, but it has many twists and turns, is typically congested, and does not allow trucks.

It is important to point out that both of these diversion routes are already fairly congested and involve travel times up to 10-20 minutes longer than using the Thruway. As a result, these alternate routes are not very attractive options and little diversion is anticipated, leading to the conclusion that any impact due to the proposed toll

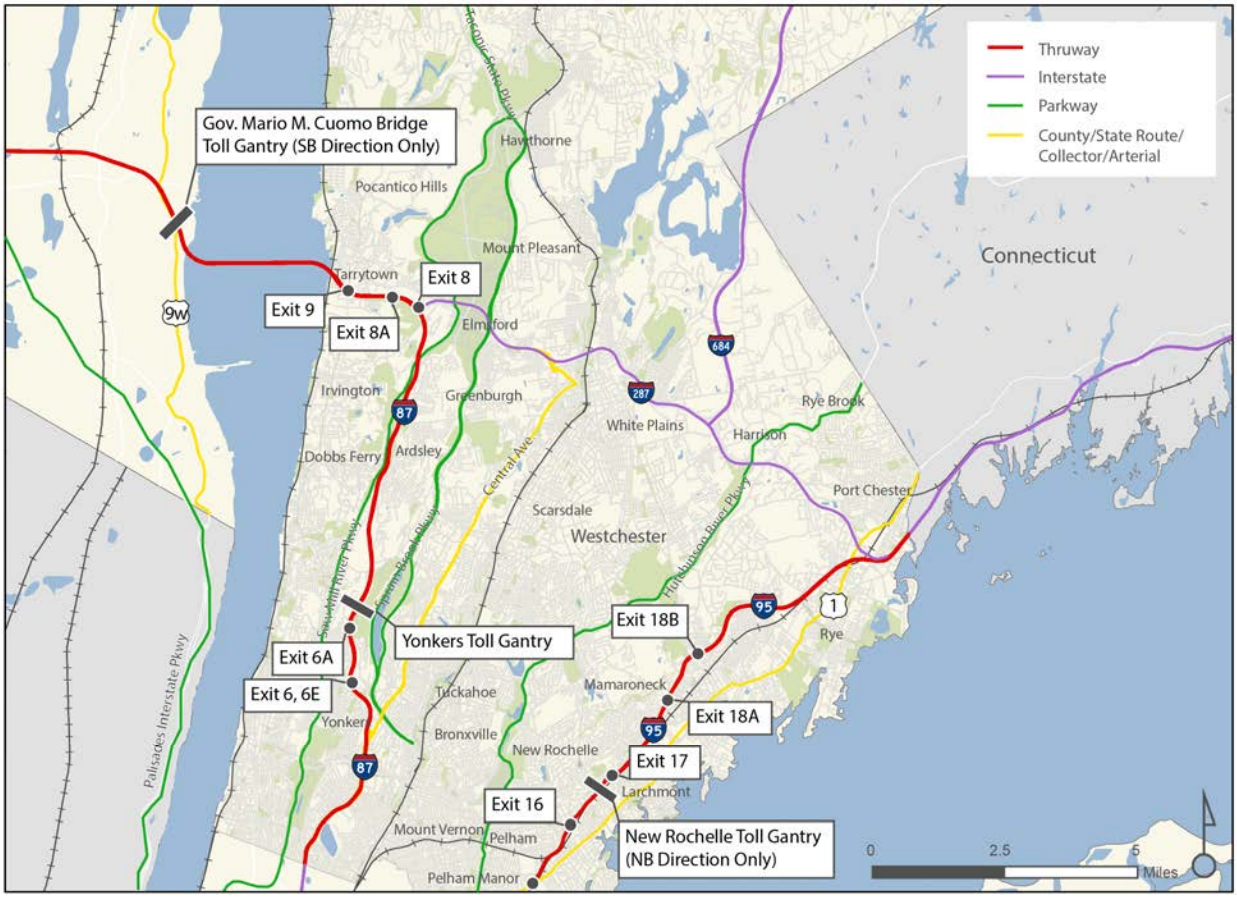
modifications would be minor. As shown previously in Table 31, an estimated 3.8 percent of traffic from this gantry location will divert to alternate routes due to the proposed toll modifications, or about 159 vehicles during the peak hour.

Yonkers Toll Gantry

The Yonkers Toll Gantry is located along I-87 between Stew Leonard Drive and Jackson Avenue in Yonkers (see Figure 8). Tolls at the Yonkers Toll Gantry are collected in both directions. The peak direction is southbound in the AM and northbound in the PM.

Central Avenue (Route 100) serves as the main diversion route parallel to the Thruway that could be used by trucks to bypass the Yonkers Toll Gantry. However, this route has many traffic signals and is quite congested, especially during peak periods, causing it to be a very unattractive diversion route. As a result, it is anticipated that few vehicles would divert from the Thruway to use this route, especially during peak periods. In addition to this, the Saw Mill River Parkway, Sprain Brook Parkway, and Palisades Interstate Parkway, none of which allow trucks, are the main diversion routes for cars. The parkways are attractive options; however, because current customers of the Yonkers Toll Gantry are choosing the Thruway and paying a toll when they could travel for free on an alternate route, the proposed toll modifications are not likely to divert a significant share of traffic. As shown previously in Table 31, an estimated 3.0 percent of traffic from this gantry location will divert to alternate routes due to the proposed toll modifications, or about 54 vehicles in the peak direction during the peak hour.

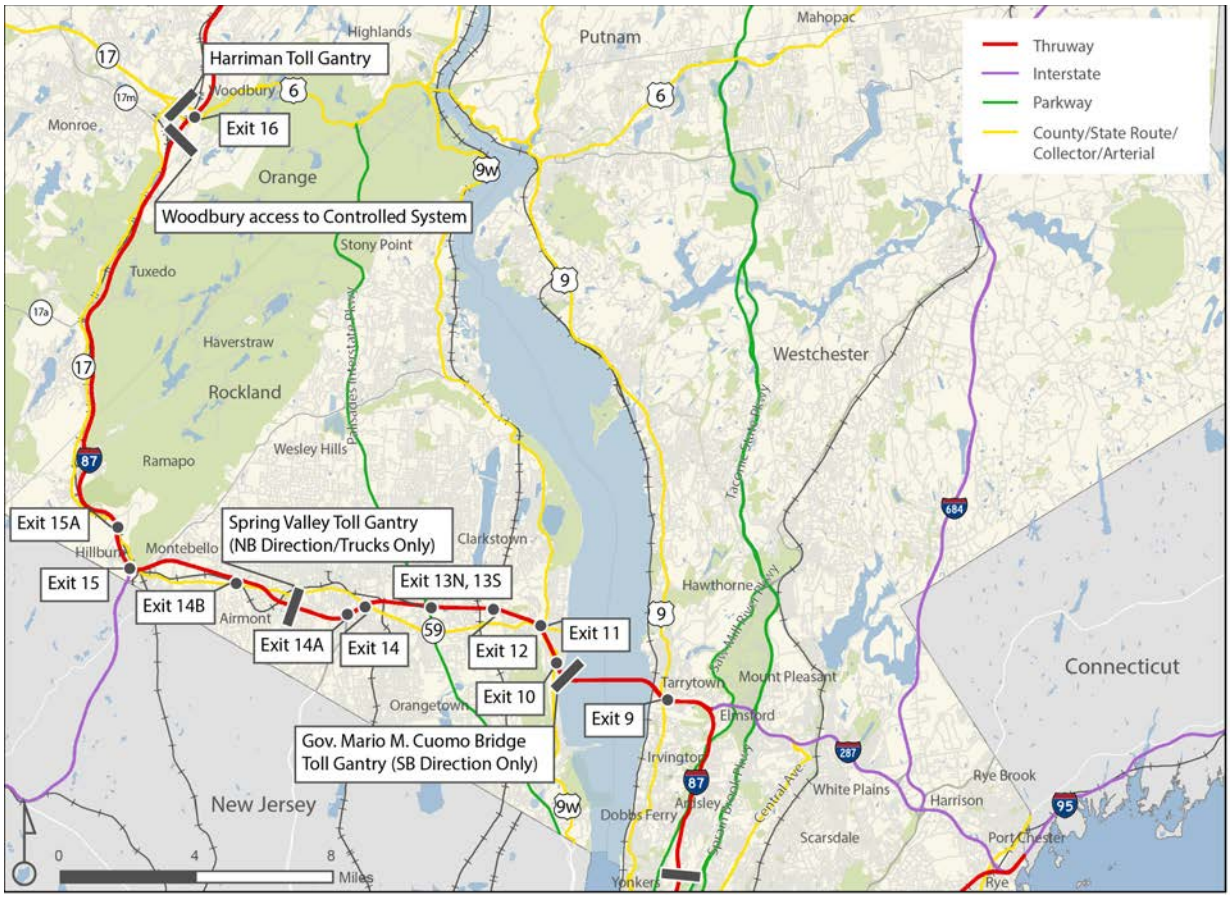
Figure 8: New Rochelle and Yonkers Toll Gantries



Governor Mario M. Cuomo Bridge Toll Gantry

The GMMCB is along I-87/I-287 spanning the Hudson River, as shown in Figure 9. It is a major Hudson River Crossing connecting the areas of New York State west of the Hudson with Westchester County, Connecticut, and New York City. Tolls are collected in the southbound direction, only (eastbound crossing the Hudson). The weekday peak period at the toll gantry is during the AM.

Figure 9: Governor Mario M. Cuomo Bridge and Spring Valley Toll Gantries



A few potential diversion routes are available that may be used to avoid tolls at the GMMCB. Vehicles traveling 30 or more miles north of the GMMCB to lower Westchester County and New York City could use exit 16 to U.S Route 6, cross the Hudson River via the (tolled) Bear Mountain Bridge, and then use Route 9/9A or the Taconic State Parkway to connect with the Cross Westchester Expressway I-287. This alternative route would not be attractive because the route is much slower; it is estimated that taking this diversion route could increase the travel time by 15 minutes or more.

Other potential diversion routes are available to vehicles currently traveling across the GMMCB, but none of the alternatives offer attractive time or money savings, such as the George Washington Bridge to the south, which has a significantly higher passenger car toll than the GMMCB even with the proposed toll modifications. Therefore, diversions from the GMMCB during the peak hours would be expected to be minimal and there would not be a significant impact on traffic due to the effects of the proposed toll modifications. As shown previously in Table 31,

an estimated 2.0 percent of GMMCB traffic will divert to alternate routes due to the proposed toll modifications, or about 116 vehicles in the peak hour.

Spring Valley Toll Gantry

The Spring Valley Toll Gantry lies to the west of the GMMCB on I-87. It tolls only passenger vehicles hauling a trailer and/or other commercial vehicles in toll classes 3L thought 7H, in the northbound direction only. Route 59 is the primary local diversion route. Because only a small fraction of vehicles will see a toll increase, traffic diversion will be minimal. As shown previously in previously in Table 31, an estimated 2.9 percent of traffic from this gantry location will divert to alternate routes due to the proposed toll modifications, or about 11 vehicles during the peak hour.

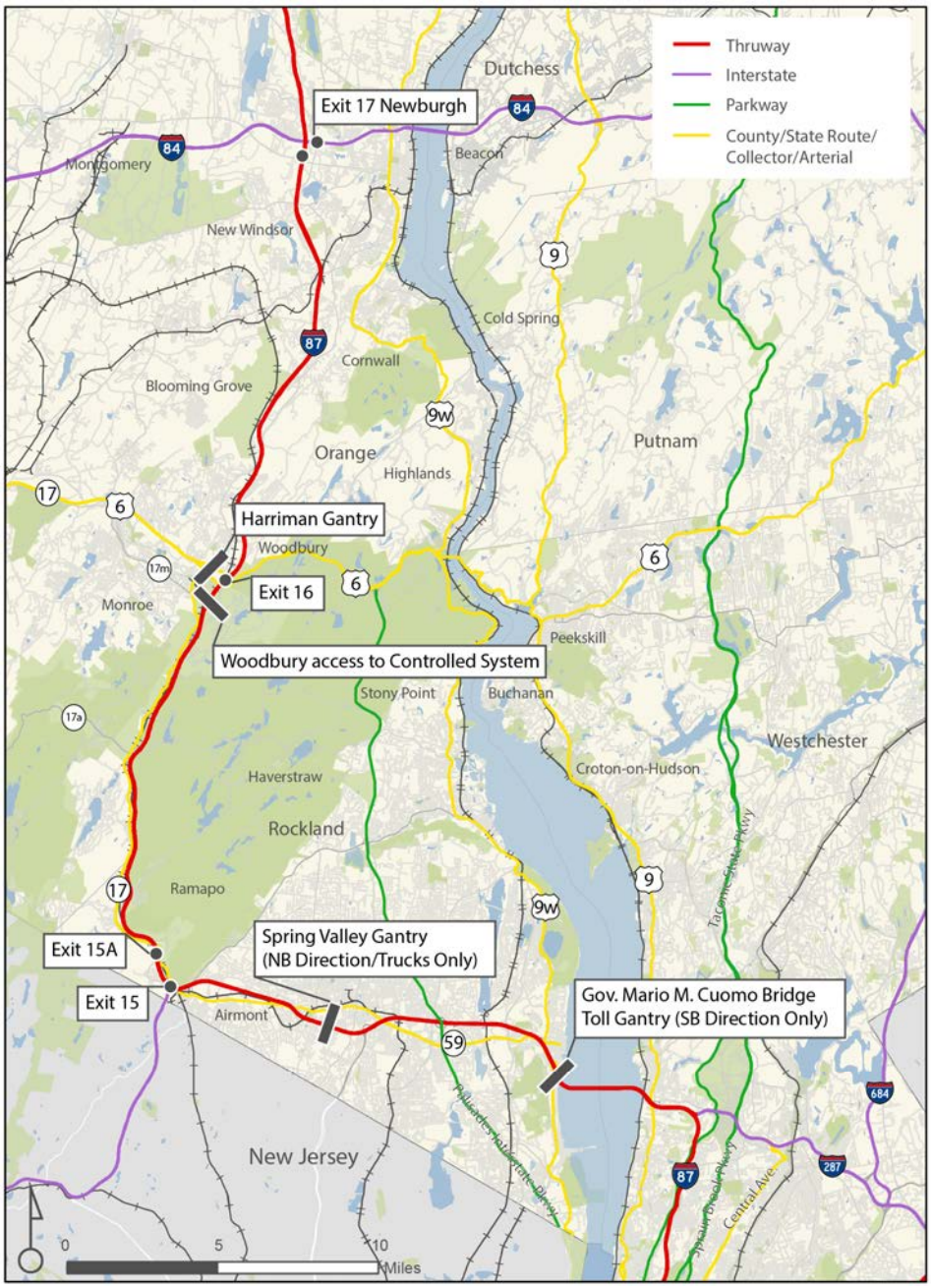
Harriman Toll Gantry and Sections of the Mainline North to Albany

The Harriman toll location as well as the adjacent Woodbury plaza (the southern access to the controlled system, as seen in Figure 10) function as the southern terminus of the Mainline controlled system for Thruway traffic to and from the north, where tolls are based on distance traveled. The Harriman Gantry is also an entry-exit point for traffic to and from the south, with set toll rates by class and payment type. It is anticipated 3.6 percent of total traffic is expected to divert to alternate routes due to the proposed toll modifications.

Trips between the New York City metropolitan area and Syracuse, Rochester, and Buffalo could use Exit 16 at Harriman to access Route 17 and I-86. This route is shorter than the Thruway and it is toll-free. Many vehicles already find this route attractive. For shorter trips, Route 17 is a viable diversion route during most of the day but it is less attractive during the peak periods when some congestion occurs.

For trips traveling north/south on the Thruway west of the Hudson River, the primary alternate routes are State Route 9W (all vehicle types) and the Taconic State Parkway (cars only). As shown previously in Table 31, an estimated 2.8 to 3.0 percent of traffic from the Thruway between Harriman and Albany will divert to alternate routes due to the proposed toll modifications, or about 39 to 58 vehicles in the peak direction during the peak hour.

Figure 10: Harriman Toll Gantry and Woodbury Toll Plaza



Thruway Mainline from Albany to Erie and Skaneateles Corridor

The town of Skaneateles is situated along Route 20, approximately 17 miles west of its intersection with Interstate I-81 in Lafayette and 16 miles to the southwest of Downtown Syracuse. Figure 11 illustrates the location of Skaneateles with respect to other major routes in the region. This location is typical of many locations along the east-west Mainline Section between Albany and Buffalo with US Route 20 and State Route 5 being the primary alternate routes. State Routes 31 and 96 are secondary alternate routes in this area.

Figure 11: Skaneateles Corridor

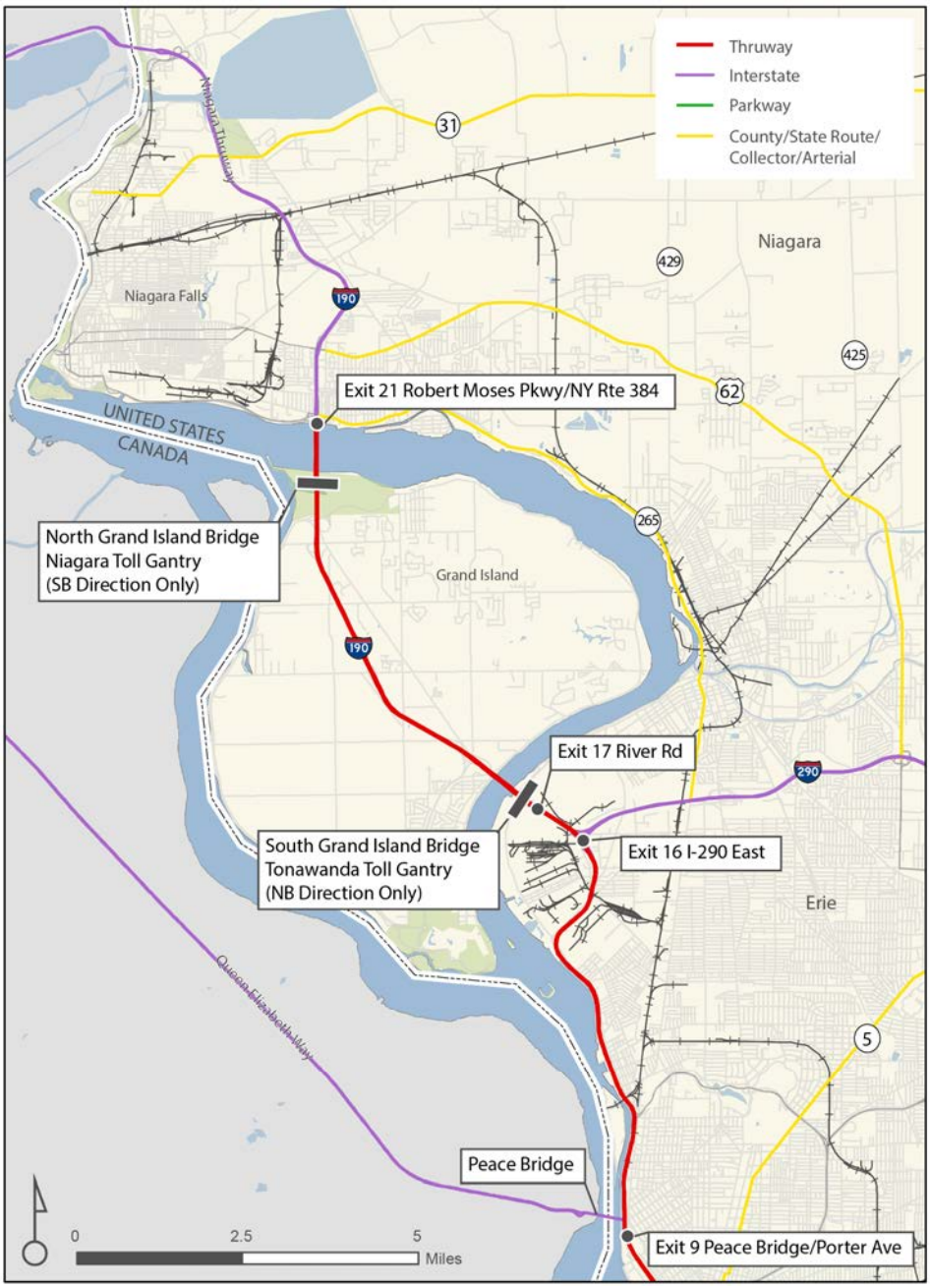
Route 20 between Thruway Exit 41 and I-81 functions as a connector for traffic traveling between the Thruway and points to the south, and it is a desirable route from a travel time and toll-cost perspective for vehicles originating along the Thruway west of Exit 41, destined to the southern leg of I-81 towards Cortland and Binghamton. It is anticipated that the proposed toll modifications would maintain the advantage via Route 20 for certain east-west trips, in terms of total costs. For trips between Buffalo or Rochester and the New York City area, it is not expected that a significant number of vehicles will divert to Route 20 since these longer trips would likely use other major interstates, such as I-390 and I-86. As shown previously in Table 31, an estimated 3.4 percent of traffic from the Thruway in the Skaneateles area will divert to alternate routes due to the proposed toll modifications, or about 41 to 53 vehicles in the peak direction during the peak hour.

Grand Island Bridges

The Grand Island Bridges are located along I-190 and span the Grand Island at two locations connecting Buffalo and Niagara Falls. It is also an important commercial route to Canada (see Figure 12). It is anticipated 3.4 percent of total traffic is expected to divert to alternate routes due to the proposed toll modifications.

For through trips across Grand Island, the only viable diversion routes are Route 265 and Route 62. These routes go around Grand Island entirely and are longer and slower than via I-190. For trips to and from Grand Island, there are no other connecting roadways that could serve as an alternate route. Therefore, there would be no diversions for these customers, only for trips that would have crossed the island entirely As shown previously in Table 31, an estimated 3.4 percent of traffic will divert from the Grand Island Bridges to alternate routes due to the proposed toll modifications, or about 82 vehicles in the peak direction during the peak hour. However, because of a lack of alternate routes, actual trip diversions at these toll gantries will likely be smaller than this, and therefore there would not be a significant traffic impact resulting from the proposed toll modifications.

Figure 12: Grand Island Bridge Toll Gantries



5.3 NO BUILD TRAFFIC ON POTENTIAL ALTERNATIVE ROUTES

NYSDOT's Highway Data Services Bureau maintains a database of traffic at more than 55,000 locations throughout the state. Traffic data, including recent historical volumes, number of lanes, and functional class were summarized for nearly 750 segments of identified potential diversion routes throughout the state. Using the peak hour, directional, and growth rate assumptions discussed in Section 5.1, 2027 No Build volume-to-capacity ("v/c") ratios were estimated to determine the level of congestion on potential alternate routes without any toll changes.

The v/c ratio is defined as the number of vehicles on a facility versus the maximum capacity of the roadway, with a v/c of 1.00 indicating that the facility is operating at capacity. The hourly capacity of each facility was calculated based on the facility type and number of lanes, as defined by NYSDOT and the Highway Capacity Manual. For several routes in the NYC area, hourly capacity of associated facilities was calculated using the NYMTC BPM. Various segments of routes are estimated to be at or near capacity in 2027 before applying the toll modification, experiencing v/c ratios of 0.90 or greater during the peak hour. Segments of potential diversion routes parallel to the Thruway Mainline with 2027 No Build v/c at 0.90 or above during the peak include:

- Portions of Route 5 from Oneida to Erie Counties
- Route 20 in Albany
- Route 32 in Albany County
- Portions of Route 31 in Monroe County
- Segments of US 9W in Orange and Ulster Counties
- Segments of Route 17 in Orange County extending northwest
- I-490 in Rochester
- I-690 in Syracuse

Some potential routes parallel to Thruway toll gantries on the barrier system are also expected to be congested in 2027, showing a v/c ratio greater than 0.90 during the peak hour on some segments. These are:

- The Hutchinson River Parkway
- Route 17 in Orange and Rockland Counties
- I-95 at the George Washington Bridge (eastbound)

Route 5 and Route 31 each have five segments identified to have a No Build peak v/c ratio equal to or greater than 0.90 in 2027. Table 32 is the list of alternate route segments expected to be congested during the peak hour in 2027, grouped by county, before any toll modifications are applied.

Table 32: Congested Segments of Alternate Routes (V/C > 0.9), 2027 No Build

Rte	Road Name	Beginning	Ending	COUNTY	No Build AADT	Total Lanes	Pk Hr Vol/Ln, Peak Dir	Cap/Hr /Ln	No Build V/C
20	Western Ave	ACC CROSSGATES MALL	RT 910F	Albany	48,998	4	1,235	1,200	1.03
32	PEARL ST S	BEG NORMANS KILL BRIDGE/CITY	ACC TO I787	Albany	10,467	2	816	900	0.91
5	NY 5	CITY OF LACKAWANNA	RIDGE RD	Erie	41,918	4	1,763	1,400	1.26
31		CR 136 LONG POND RD	HOWARD RD	Monroe	20,035	2	978	900	1.09
31		TURKHILL RD CR 50	VICTOR RD CR 52	Monroe	20,092	2	1,199	1,200	1.00
31		RT 260	NY 36/NY 531	Monroe	23,553	2	1,168	1,200	0.97
31	LYELL AVE	RT 390 OUTER LOOP	CITY OF ROCHESTER	Monroe	15,309	2	854	900	0.95
31		MARSH RD	ACC RT 490I	Monroe	21,084	2	1,096	1,200	0.91
I-490		CR 269 PENFIELD RD	RT 441	Monroe	124,126	6	1,974	2,000	0.99
95	I-95/GW Bridge Eastbound	NY	NJ	New York	141,904	7	1,629	1,750	0.93
5	NY 5/NY 8/NY 12	START NY 5/NY 8/NY 12 OLAP	FRENCH RD UNDER	Oneida	47,660	4	1,265	1,400	0.90
5		HIGHBRIDGE RD	SALT SPRINGS RD	Onondaga	22,875	2	1,276	1,200	1.06
5	E GENESEE ST NY	RT I481 OVER	END 5/92 OLAP	Onondaga	52,924	4	1,249	1,200	1.04
5	E GENESEE ST	START NY 5/NY 92 OVERLAP	RT I481 OVER	Onondaga	49,186	4	1,161	1,200	0.97
I-690	Interstate 690	TEALL AVE UNDER	RT 598 MIDLER AVE OVER	Onondaga	92,144	6	1,843	2,000	0.92
17		END US 6/NY 17 OLAP/EXIT 130	NY17/984C DIVERGE	Orange	58,491	4	1,474	1,400	1.05
17	NY 17	END EXIT 122 MERGE	START US6/NY17/NY17M OLAP	Orange	56,570	4	1,312	1,400	0.94
17	NY 17	NY 302/PINE BUSH RD OVER	NYS RT 211 UNDER	Orange	42,224	4	1,267	1,400	0.90
9W		NEWBURGH CL / NEWBURGH TL	ACC RTS 84I & 52	Orange	48,495	4	1,164	1,200	0.97
17		RAMP TO STERLING MINE RD CR	OLD ROUTE 17 TO I-87/I-287/N	Rockland	36,299	4	857	900	0.95
9W		GRANT AVE	CR 31 LEGGS MILL RD	Ulster	17,854	2	819	900	0.91
907W	Hutchinson River Pkwy	EXIT 14 PELHAMDALE AVE UNDER	EXIT 17 ACC NORTH AVE	Westchester	109,314	6	2,186	2,240	0.98

5.4 TRAFFIC SCREENING

The scope of the toll modification encompasses virtually the entire state. An element of this this Environmental Assessment is a review of the potential impacts of diverting traffic. The range of potential alternative routes can be enormous and significantly geographically diverse. For example, diversions for the New Rochelle tolling point may range from adjacent arterials for local traffic to routes as far away as I-90 for long-distance commercial trips.

For this study we have developed a "worst case" scenario methodology. A traffic screening was conducted to determine the potential increases in traffic due to the proposed toll modification and assess potential congestion and other impacts on alternate routes. Nearly 750 segments of likely diversion routes were identified and screened. In reality there are many more potential alternate routes, and it would not be practical to analyze each of them as the over whelming majority would have de minimis impacts due to the action. We applied a conservative approach, as driver decisions are unpredictable, have varying levels of familiarity with the roads, and have differing opinions on the convenience of the available alternatives. The analysis assumed as a scenario where 100 percent of the diverted trips would select each of the "most likely" alternative routes identified. The alternative roadways were evaluated to determine if the diverted trips would cause that roadway to fail in operation or otherwise be impacted by the actions. If a route was screened to be potentially impacted, it would be analyzed in more detail.

5.4.1 Methodology

The following screening criteria were used to determine the locations most impacted in terms of peak hour/peak direction traffic:

- A v/c ratio higher than 0.90 in the peak hour/peak direction
- A traffic increase of greater than 10 percent in the peak hour/peak direction with the proposed toll modification

As a v/c ratio of 0.90 was used for this screening because it signals that a roadway is approaching capacity and has a level of congestion that is causing the roadway to operate at reduced speeds. If the proposed toll modification were to increase traffic by 10 percent or more on an alternate route that already had a v/c of over 0.90, that route would reach or exceed capacity, which could result in further speed reduction. All environmental assessments conducted over the past 20 years for proposed Authority toll modifications have successfully used this screening methodology as a way of determining where there might be significant impacts on alternative route congestion requiring a more detailed analysis of these routes.

In screening the traffic with proposed 2024 through 2027 toll modifications, *no* segments were found that met both these criteria; however, several congested segments (v/c greater than 0.90) that were calculated to have a traffic increase of 1 to 8 percent due to toll diversion were discovered (assuming as a worst case that *100 percent* of diverted traffic is applied to *each* route). Section 5.4.2 discusses alternative routes with a v/c of 0.90 or higher.

5.4.2 Potential for Adverse Impacts

Table 33 presents the estimated change in peak hour traffic operations as a result of the proposed toll modifications. Details are presented for roadway segments screened and found to have a v/c ratio of 0.90 or higher, either before or after the toll modifications are applied (i.e., for the No Build or Build condition). The county and a brief description of roadway segment start and endpoints are provided.

For alternative routes with a v/c ratio of 0.90 or higher, the proposed toll modifications are anticipated to divert up to 141 PCEs during the peak hour. If diversion were split among multiple alternative routes, the amount of traffic diverted to individual routes would be less. Moreover, the v/c ratios on the affected alternate routes are not anticipated to significantly deteriorate, with potential increases between 0.01 and 0.07 as a result of the proposed toll modifications (see Table 33). This assumes very conservatively that *all* diversion traffic is applied to *each* alternate route, with more distant routes and overall trip reductions not considered; if the diversion were split among routes, almost all routes would see increases in their traffic and v/c ratios that are less than half the amounts shown in the table. For example, Route 32/Pearl Street in Albany County is a less likely diversion route than the larger nearby Route 9W, or the Taconic State Parkway across the Hudson River, and will likely absorb only a fraction of the 64 PCEs expected to divert from the adjacent section of the Thruway during the peak hour. While many segments along alternate routes currently experience congested traffic conditions, the proposed toll modifications would have a negligible effect on existing traffic operations. The diverted traffic will likely be less than shown for this screening analysis since already-congested routes will not be attractive options. As the proposed toll modifications are not anticipated to result in a significant change to traffic operations on alternate routes nor exceed the impact thresholds noted above, no further analysis is deemed necessary.

It is also important to note that based on historical trends, diversions to alternate routes are likely to be temporary. Time and other factors (such as driver VOT, fuel costs, and increased congestion) along local roads tend to reverse the diversion effects of toll increases, and this is expected to be the case with this proposed toll modifications. Therefore, no significant adverse impacts are anticipated.

Table 33: Traffic Screening Analysis - Change in Peak Hour, Peak Direction Traffic and V/C ratio as a Result of Toll Modification, Most Affected Segments of Alternate Routes

Route	RDNAME	County	Beginning	Ending	Parallel to Thruway Segment	Diversion PCEs Applied*	No Build V/C	Build V/C	Change in V/C	% Change in Traffic
5	NY 5	Erie	CITY OF LACKAWANNA	RIDGE RD	55-56	75	1.26	1.29	0.03	2%
5		Erie	RAMP TO RT 179 EB	CITY OF LACKAWANNA	55-56	75	0.89	0.91	0.02	2%
5	NY 5/NY 8/NY 12	Oneida	START NY 5/NY 8/NY 12 OLAP	FRENCH RD UNDER	31-32	34	0.90	0.92	0.01	1%
5		Onondaga	HIGHBRIDGE RD	SALT SPRINGS RD	34-34A	55	1.06	1.11	0.05	4%
5	E GENESEE ST NY	Onondaga	RT I481 OVER	END 5/92 OLAP	34-34A	55	1.04	1.06	0.02	2%
5	E GENESEE ST	Onondaga	START NY 5/NY 92 OVERLAP	RT I481 OVER	34A-35	38	0.97	0.98	0.02	2%
5		Onondaga	RT 321 JCT BENNETS COR	RT 174	39-40	57	0.86	0.91	0.04	5%
17		Orange	END US 6/NY 17 OLAP/EXIT 130	NY17/984C DIVERGE	S of 17	63	1.05	1.08	0.02	2%
17	NY 17	Orange	END EXIT 122 MERGE	START US6/NY17/NY17M OLAP	S of 17	63	0.94	0.96	0.02	2%
17	NY 17	Orange	NY 17K UNDER	NY 302/PINE BUSH RD OVER	17-18	54	0.90	0.92	0.02	2%
17	NY 17	Orange	NYS RT 211 UNDER	END EXIT 122 MERGE	17-18	54	0.89	0.90	0.01	1%
17	NY 17	Orange	NY 302/PINE BUSH RD OVER	NYS RT 211 UNDER	17-18	54	0.90	0.92	0.02	2%
17		Rockland	RAMP TO STERLING MINE RD CR	OLD ROUTE 17 TO I-87/I-287/N	Harriman Barrier	65	0.95	0.99	0.04	4%
20	Western Ave	Albany	ACC CROSSGATES MALL	RT 910F	24-25	104	1.03	1.07	0.04	4%
31		Madison	Onon/Mad Co Line	CR 1 KIRKVILLE RD	34-34A	55	0.88	0.94	0.06	7%
31		Monroe	CR 136 LONG POND RD	HOWARD RD	46-47	44	1.09	1.14	0.05	5%

Route	RDNAME	County	Beginning	Ending	Parallel to Thruway Segment	Diversion PCEs Applied*	No Build V/C	Build V/C	Change in V/C	% Change in Traffic
31		Monroe	TURKHILL RD CR 50	VICTOR RD CR 52	44-45	85	1.00	1.07	0.07	7%
31		Monroe	RT 260	NY 36/NY 531	46-47	44	0.97	1.01	0.04	4%
31	LYELL AVE	Monroe	RT 390 OUTER LOOP	CITY OF ROCHESTER	45-46	47	0.95	1.00	0.05	5%
31		Monroe	MARSH RD	ACC RT 490I	45-46	47	0.91	0.95	0.04	4%
32	PEARL ST S	Albany	BEG NORMANS KILL BRIDGE/CITY	ACC TO I787	22-23	64	0.91	0.98	0.07	8%
62		Niagara	77TH ST	JCT RT 190I NIAGARA EXPY	Grand Island Bridges	87	0.86	0.90	0.04	4%
95	I-95/GW Bridge Eastbound	New York	NY	NJ	Gov Mario M Cuomo Bridge	129	0.93	0.95	0.02	2%
907W	Hutchinson Riv	Westchester	EXIT 14 PELHAMDALE AVE UNDER	EXIT 17 ACC NORTH AVE	New Rochelle Barrier	141	0.98	1.00	0.02	2%
9W		Orange	NEWBURGH CL / NEWBURGH TL	ACC RTS 84I & 52	S of 17	63	0.97	1.00	0.03	3%
9W		Ulster	GRANT AVE	CR 31 LEGGS MILL RD	19-20	50	0.91	0.97	0.06	6%
9W		Albany	RT 910A BETHLEHEM CTR	START 9W/32 OLAP	22-23	64	0.86	0.92	0.05	6%
I-490		Monroe	CR 269 PENFIELD RD	RT 441	45-46	47	0.99	0.99	0.01	1%
I-690	Interstate 690	Onondaga	TEALL AVE UNDER	RT 598 MIDLER AVE OVER	35-36	41	0.92	0.93	0.01	1%

**Passenger car equivalents - it is assumed that an average truck is equivalent to two cars.*
*Note that for this screening analysis **all** diverted traffic is applied to **each** alternate route.*

5.5 SHIFT IN DAILY VEHICLE-MILES TRAVELED (VMT)

To determine shifts in vehicle-miles traveled (VMT), daily diversion volumes were split among the alternative routes. Table 34 shows the estimated shift in daily VMT from the Thruway to alternate parallel routes for each county in New York State with air quality non-attainment or maintenance status. As noted, most of the diverted VMT, approximately 58 percent, would occur on principal arterials, such as Route 20 in Erie County. An estimated 19 percent of diverted VMT is anticipated to shift to freeways and expressways; this includes all the various parkways in Westchester County, such as the Sprain Brook Parkway and Taconic State Parkway. In addition, approximately 23 percent of diverted VMT is expected to shift to more local routes including minor arterials and collector routes, such as Route 5 in Montgomery County.

Table 34: Shift in Daily Vehicle-Miles Traveled from Thruway to Alternate Routes by Roadway Type

County	NYSDOT Region	Shift in Daily VMT to Alternate Routes			
		Freeways / Expressways	Principal Arterials	Minor Arterials / Collectors	Total
Albany	1	-	35,065	9,603	44,668
Greene	1	-	1,978	9,559	11,537
Rensselaer	1	-	12,747	-	12,747
Schenectady	1	3,108	11,505	2,452	17,065
Montgomery	2	-	-	16,581	16,581
Genesee	4	-	14,820	11,614	26,434
Livingston	4	-	5,311	2,285	7,596
Monroe	4	11,050	8,241	5,026	24,316
Ontario	4	-	18,979	10,268	29,247
Orleans	4	-	12,784	-	12,784
Wayne	4	-	10,758	8,642	19,401
Chautauqua	5	-	23,687	10,947	34,634
Erie	5	-	52,226	3,820	56,046
Niagara	5	-	35,564	-	35,564
Dutchess	8	17,864	-	-	17,864
Orange	8	18,900	16,537	18,591	54,028
Putnam	8	10,683	-	-	10,683
Rockland	8	6,924	9,525	6,847	23,296
Westchester	8	33,780	24,611	2,931	61,322
Schoharie	9	-	8,558	-	8,558
New York	11	1,157	-	-	1,157
Total All Regions		**103,467**	**302,897**	**119,165**	**525,530**
Percent by Roadway (of Total Diverted VMT)		**19%**	**58%**	**23%**	**100%**

Table 35 shows peak hour VMT diverted to alternate routes that currently experience high congestion (V/C over 0.95). This analysis includes the full length of the alternate route parallel to a segment of the Thruway. As noted in this table, the estimated diverted volume in the peak hour/peak direction onto these alternate route segments ranges from 9 to 80. Looking at the first row of the table, the 48 peak hour vehicles estimated to divert to this 6.4-mile segment of Route 20, a portion of which is congested, are estimated to generate an incremental 307 vehicle miles. Though not shown in the table, it should be noted that passenger vehicles account for some 93 percent of the diverted vehicle-miles of travel; the estimated truck share of the total diverted vehicle-miles of travel is less than 7 percent.

Table 35: Shift in Peak Hour Vehicle-Miles Traveled on Alternate Route Segments with Congested Portions (V/C>0.95)

Route	County	NYSDOT Region	Parallel to Thruway Segment	Alternate Route Length (mi)	Peak Hr / Pk Dir Diversion Volume	Peak Hr Diverted VMT
20	Albany	1	24-25	6.4	48	307
I-490	Monroe	4	45-46	32.3	10	327
31	Monroe	4	44-45	5.9	26	151
31	Monroe	4	45-46	7.0	10	70
31	Monroe	4	46-47	19.4	9	182
5	Erie	5	55-56	10.7	32	342
17	Orange	8	S of 17	17.0	28	475
9W	Orange	8	S of 17	17.9	28	499
17	Rockland	8	Harriman	4.0	60	241
Hutchinson Rvr Pkwy	Westchester	8	New Rochelle	11.6	80	923
					TOTAL	**3,517**

The net vehicle miles-traveled by Air Quality Zone is a measure of the difference between the VMT diverted to each zone minus the decrease in Thruway VMT in each zone. The net VMT changes from the proposed toll modification, discussed further in the Air Quality Chapter in Section 6.3 and presented in Table 38, is close to zero.

6.0 AIR QUALITY

This chapter discusses air quality impacts of the proposed toll modifications.

6.1 INTRODUCTION

Although the proposed toll modifications would not spur an increase in overall traffic volumes, the proposed toll modifications would cause some Thruway traffic to divert to alternate travel routes. Chapter 5.0 provided a detailed discussion of these diversion routes.

Vehicles choosing to divert to alternate travel routes can affect local and regional air quality. Diverted vehicles can add to the existing vehicle volumes already present on local roadways and decrease travel speeds, which would lead to increased idling, braking, and acceleration as compared to Thruway travel. These factors affect the rate at which vehicles emit air pollutants. In addition, diversion to other routes can change the total distance traveled when compared with the same vehicle trip on the Thruway. The changes to route volumes and distances traveled will impact the overall vehicle-miles traveled (VMT), which in turn will impact the total emissions.

The assessment of potential effects to air quality that would result from the implementation of the proposed action included the consideration of local/regional pollutant concentrations along diversion routes and region-wide emissions burden in non-attainment and maintenance areas across New York State. The proposed toll modifications are not anticipated to have a significant adverse impact on local pollutant concentrations or contribute to a significant increase in regional emissions. Increases in traffic on local highways would not reach critical emission thresholds, producing only negligible air quality changes as a percentage of regional transportation-based emissions, as discussed later in this chapter.

6.2 AIR QUALITY REGULATIONS, STANDARDS AND BENCHMARKS

Background

Motor vehicles are a key source of air pollutants for New York State. The federal government has set health protective standards and adopted plans and regulations to maintain those standards. In order to ensure that the proposed regulation complies with these requirements, projections of the impact of the project-related traffic diversion on air quality have been made for the year 2027. Because it is the final year of the proposed set of toll modifications, having the highest toll rates, the greatest impact of the traffic diversion is expected to occur in this year. It is anticipated that over time the perceived costs of the 2027 toll rates will decrease due to inflation. Additionally, it is anticipated that increases in future travel demand and congestion beyond 2027 will diminish the attractiveness of the diversion routes.

Regulations

The Clean Air Act (CAA) of 1970 mandated the development of air quality standards protective of public health. This Act, updated by the Clean Air Act Amendments of 1990 (CAAA90), initiated the development of the National Ambient Air Quality Standards (NAAQS). The NAAQS, shown in Table 36, are the air quality standards developed for the six criteria pollutants, including carbon monoxide (CO), particulate matter (PM), ozone (O3), nitrogen dioxide (NO2), lead, and sulfur dioxide (SO2).

Primary standards set limits to protect public health, including the health of sensitive populations such as asthmatics, children, and elderly populations. Secondary standards set limits to protect public welfare, including protection

against decreased visibility and damage to animals, crops, vegetation, and buildings. At a minimum, states adopt the federal standards. In New York State, the air quality evaluation is based on the general SEQRA guidance from the New York State Department of Environmental Conservation (NYSDEC), and the NYSDOT Transportation Environmental Manual (TEM).

Table 36: National Ambient Air Quality Standards (NAAQS)

Pollutant		Primary/ Secondary	Averaging Time	Level	Form
Carbon Monoxide (CO)		primary	8 hours	9 ppm	Not to be exceeded more than once per year
			1 hour	35 ppm	
Lead (Pb)		primary and secondary	Rolling 3 month average	0.15 µg/m3 (1)	Not to be exceeded
Nitrogen Dioxide (NO2)		primary	1 hour	100 ppb	98th percentile of 1-hour daily maximum concentrations, averaged over 3 years
		primary and secondary	1 year	53 ppb (2)	Annual Mean
Ozone (O3)		primary and secondary	8 hours	0.070 ppm (3)	Annual fourth-highest daily maximum 8-hour concentration, averaged over 3 years
Particle Pollution (PM)	$PM_{2.5}$	primary	1 year	12.0 µg/m^3	annual mean, averaged over 3 years
		secondary	1 year	15.0 µg/m^3	annual mean, averaged over 3 years
		primary and secondary	24 hours	35 µg/m^3	98th percentile, averaged over 3 years
	PM_{10}	primary and secondary	24 hours	150 µg/m^3	Not to be exceeded more than once per year on average over 3 years
Sulfur Dioxide (SO2)		primary	1 hour	75 ppb (4)	99th percentile of 1-hour daily maximum concentrations, averaged over 3 years
		secondary	3 hours	0.5 ppm	Not to be exceeded more than once per year

Source: U.S. Environmental Protection Agency (https://www.epa.gov/criteria-air-pollutants/naaqs-table)
Notes:
(1) In areas designated nonattainment for the Pb standards prior to the promulgation of the current (2008) standards, and for which implementation plans to attain or maintain the current (2008) standards have not been submitted and approved, the previous standards (1.5 µg/m3 as a calendar quarter average) also remain in effect.
(2) The level of the annual NO2 standard is 0.053 ppm. It is shown here in terms of ppb for the purposes of clearer comparison to the 1-hour standard level.
(3) Final rule signed October 1, 2015, and effective December 28, 2015. The previous (2008) O3 standards additionally remain in effect in some areas. Revocation of the previous (2008) O3 standards and transitioning to the current (2015) standards will be addressed in the implementation rule for the current standards.
(4) The previous SO2 standards (0.14 ppm 24-hour and 0.03 ppm annual) will additionally remain in effect in certain areas: (1) any area for which it is not yet 1 year since the effective date of designation under the current (2010) standards, and (2)any area for which an implementation plan providing for attainment of the current (2010) standard has not been submitted and approved and which is designated nonattainment under the previous SO2 standards or is not meeting the requirements of a SIP call under the previous SO2 standards (40 CFR 50.4(3)). A SIP call is an EPA action requiring a state to resubmit all or part of its State Implementation Plan to demonstrate attainment of the required NAAQS.

Pollutants of Concern

Certain criteria pollutants are of concern if local concentrations become elevated. These pollutants are often assessed on a local, or microscale, level. Most criteria pollutants are also a concern based on their total emissions over a regional/area-wide, or mesoscale, level. The following lists the six criteria pollutants.

CO

CO impacts are local; high concentrations are generally limited to within a relatively short distance of heavily traveled roadways. Local CO concentrations are evaluated where increases in traffic volumes, changes in travel speeds, or changes in roadway geometry can impact these concentrations.

Lead

Lead from motor vehicle emissions is no longer analyzed following the conversion to lead-free gasoline. The following statement regarding lead impacts is noted in the NYSDOT TEM Chapter 4.4.16 on air quality:

"Emissions of lead from motor vehicles have decreased significantly as a result of lead being phased out as an additive in motor vehicle fuels. The FHWA has advised that microscale lead analyses for highway projects are not needed or warranted. Lead emissions from highways have been virtually eliminated as a result of the regulation and legislation prohibiting the manufacture, sale or introduction into commerce of any engine requiring leaded gasoline since model year 1992, sale of only unleaded gasoline, and the requirement for reformulated gasoline to contain no heavy metals (such as lead).".

In addition to the criteria pollutants, the FHWA recommends an assessment of Mobile Source Air Toxics (MSAT), which are those compounds from the list of hazardous air toxics in the CAA that are emitted from motor vehicles.

Ozone and its Precursors (Nitrogen Oxides and Volatile Organic Compounds)

Ozone protects against the harmful effects of solar radiation in the upper atmosphere, while it is a respiratory irritant at ground level. Vehicles do not emit ozone directly; however, they do emit Volatile Organic Compounds (VOCs) and Nitrogen Oxides (NO_x), which form ozone in the presence of sunlight. Due to the chemical reactions, their effects are realized far downwind from their actual release points, making them precursors to this regional scale pollutant. NO_2 is one component of NO_X that is also a regulated pollutant. NO_2 is mostly formed from the transformation of NO in the atmosphere.

PM

PM is comprised of various types of particles that range from visible, settleable dust and fine soot particles that blur visibility to very fine aerosol particles that are inhalable. While all vehicles emit particulates, the quantities from gasoline-fueled fleets are relatively small. However, particulate emissions can be a potential concern for diesel-fueled fleets, such as trucks and buses. Particulate concentrations can vary over short distances and are associated with the point of their generation or entrainment into the air. All references to PM refer to both coarse and fine particulate matter (PM_{10} and $PM_{2.5}$, respectively).

SO_2

Sulfur levels in motor vehicle fuels are extremely low. SO_2 is primarily a stationary-source pollutant from the combustion of coal or oil and is not a concern for highway-related projects.

Attainment Status in New York State and State Implementation Plans

Currently, 30 counties across New York State are designated by the EPA as in nonattainment and maintenance status of the NAAQS for various criteria pollutants, including the eight-hour CO, Ozone, the 24-hour and annual $PM_{2.5}$ standards. These counties and pollutants constitute the subject for analysis in this study and are collectively shown in Table 37.

The regulation encompasses several non-attainment and maintenance counties throughout the State. Figure 13 illustrates the locations of these counties and the Thruway, as well as possible diversion routes.

Figure 13: New York State Non-Attainment and Maintenance Counties

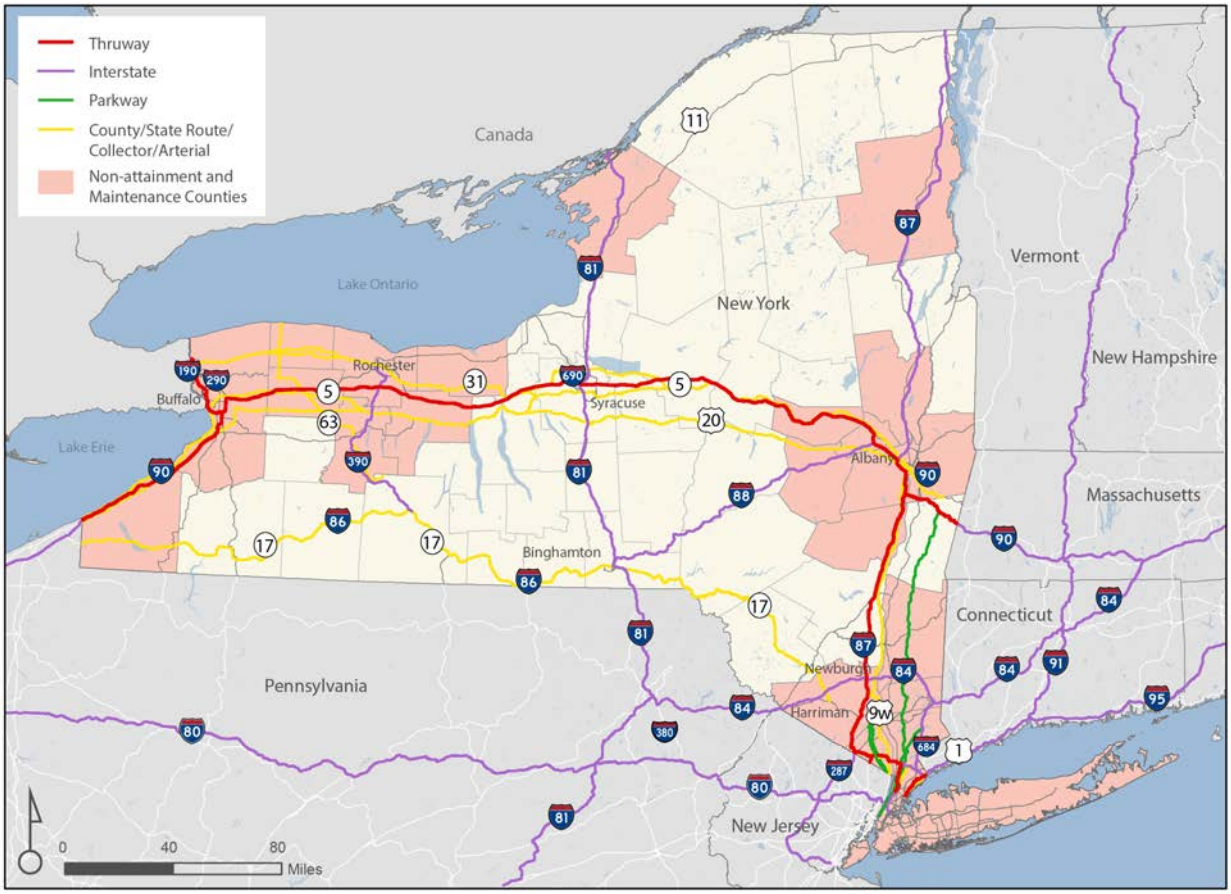


Table 37: Nonattainment and Maintenance Counties in New York State

CLEAN AIR ACT NONATTAINMENT AND MAINTENANCE COUNTIES IN NEW YORK STATE AS OF APRIL 5, 2023							
County	NYSDOT Region	Pollutant					
		1997 Ozone (0.08ppm) "Orphan Area"		2008 Ozone (0.075ppm)		2015 Ozone (0.070ppm)	2006 24-hour and 1997 Annual PM2.5
		Classification					
		Marginal	Moderate	Marginal	Severe	Moderate	Maintenance
Albany	1	x					
Essex (Whiteface Mt 1900ft+)	1	x					
Greene	1	x					
Rensselaer	1	x					
Saratoga	1	x					
Schenectady	1	x					
Montgomery	2	x					
Genesee	4	x					
Livingston	4	x					
Monroe	4	x					
Ontario	4	x					
Orleans	4	x					
Wayne	4	x					
Chautauqua	5			x			
Erie	5		x				
Niagara	5		x				
Jefferson	7		x				
Dutchess	8		x				
Orange	8		x				x
Putnam	8		x				
Rockland	8				x	x	x
Westchester	8				x	x	x
Schoharie	9	x					
Nassau	10				x	x	x
Suffolk	10				x	x	x
Bronx	11				x	x	x
Kings (Brooklyn)	11				x	x	x
New York (Manhattan)	11				x	x	x
Queens	11				x	x	x
Richmond (Staten Island)	11				x	x	x

Source: NYSDOT, April 5, 2023

Notes:

1) *All counties listed above are classified "attainment" for all other Clean Air Act criteria pollutants (i.e. NO2, SO2, Pb).*
2) *St. Lawrence County is designated nonattainment for the 2010 SO2 standard based on the results of a modeling analysis rather than monitored results. SO2 is not considered a pollutant of concern for transportation sources and projects in St. Lawrence County are not eligible for CMAQ funding. Otherwise, any county not listed in this table was originally designated and remains "attainment/unclassifiable" for all Clean Air Act criteria pollutants and transportation conformity is not required for TIPs, Plans or Projects in such counties, and projects in such counties are not eligible for CMAQ funding.*
3) *Any county shown as nonattainment only for the 1997 ozone standard is part of an "Orphan Nonattainment Area." TIPs, Plans and Projects in these counties are subject to transportation conformity, but there are no regional emissions analysis requirements. Non-exempt projects in these counties still must be found to conform before they can receive approvals or funding from the FHWA or FTA.*
4) *The CO Maintenance Plan for Onondaga County was completed on 9/29/2014. After that date, TIPs Plans and Projects in Onondaga County are no longer subject to transportation conformity. Projects in Onondaga County remain eligible for CMAQ funding as per 23 USC 149.*
5) *The USEPA reclassified the New York-Northern New Jersey-Long Island, NY-NJ-CT area including Bronx, Kings, Queens, Nassau, Richmond, Rockland, Suffolk and Westchester Counties to "severe" non-attainment for the 2008 ozone standard effective November 7, 2022.*
6) *The CO Maintenance Plan for Bronx, Kings, New York, Queens, Nassau, Richmond and Westchester Counties was completed on 5/20/2022. After that date, TIPs Plans and Projects in these seven counties are no longer subject to transportation conformity. Projects in these seven counties Onondaga County remain eligible for CMAQ funding as per 23 USC 149.*

6.3 REGIONAL AIR QUALITY CONFORMITY

The toll modification is 100 percent non-federally funded; no federal approvals are required. No-Build VMT data (i.e., without toll changes) were provided by NYSDOT from its HPMS database, and included VMT for all roadways within in each county. Traffic reductions on the Thruway due to the toll modification, plus increases on the alternate routes, have been estimated as discussed in Chapter 5.0 and are included in the VMT for the Build (i.e., with toll modifications) scenario. The Build VMT calculations account for both the volume and length of each route, and also consider whether the trips divert within the county or to another county. To assess the maximum potential impact, the analysis does not consider the consolidation of elimination of some trips because of the higher toll rates. The impact of traffic diversion on the State and regional levels of VMT for those non-attainment and maintenance counties is insignificant as shown in Table 38. At the State level, the VMT difference between the Build and No Build scenarios is negligible. At the regional level, the difference ranges between -0.8 percent and 0.9 percent, and most regions show almost no perceptible VMT difference.

Table 38: VMT Comparison Between Build and No Build Scenarios, and Net VMT

County	NYSDOT Region	Daily VMT			
		No Build	Build	Difference	% Difference
Albany	1	8,925,000	8,924,905	(95)	0.0%
Essex	1	1,647,000	1,647,000	-	0.0%
Greene	1	1,957,000	1,940,805	(16,195)	-0.8%
Rensselaer	1	3,616,000	3,623,929	7,929	0.2%
Saratoga	1	7,413,000	7,413,000	-	0.0%
Schenectady	1	3,185,000	3,186,777	1,777	0.1%
Total Region 1		**26,743,000**	**26,736,416**	**(6,584)**	**0.0%**
Montgomery	2	2,020,000	2,004,847	(15,153)	-0.8%
Total Region 2		**2,020,000**	**2,004,847**	**(15,153)**	**-0.8%**
Genesee	4	2,767,000	2,751,906	(15,094)	-0.5%
Livingston	4	1,918,000	1,925,596	7,596	0.4%
Monroe	4	16,904,000	16,904,789	789	0.0%
Ontario	4	3,882,000	3,868,906	(13,094)	-0.3%
Orleans	4	753,000	765,784	12,784	1.7%
Wayne	4	2,112,000	2,131,401	19,401	0.9%
Total Region 4		**28,336,000**	**28,348,382**	**12,382**	**0.0%**
Chautauqua	5	3,710,000	3,709,021	(979)	0.0%
Erie	5	21,263,000	21,248,944	(14,056)	-0.1%
Niagara	5	4,108,000	4,143,564	35,564	0.9%
Total Region 5		**29,081,000**	**29,101,530**	**20,530**	**0.1%**
Jefferson	7	3,269,000	3,269,000	-	0.0%
Total Region 7		**3,269,000**	**3,269,000**	**-**	**0.0%**
Dutchess	8	7,522,000	7,539,864	17,864	0.2%
Orange	8	11,934,000	11,938,862	4,862	0.0%
Putnam	8	3,371,000	3,381,683	10,683	0.3%
Rockland	8	7,432,000	7,437,287	5,287	0.1%
Westchester	8	21,384,000	21,400,490	16,490	0.1%
Total Region 8		**51,643,000**	**51,698,187**	**55,187**	**0.1%**
Schoharie	9	912,000	920,558	8,558	0.9%
Total Region 9		**912,000**	**920,558**	**8,558**	**0.9%**
Nassau	10	26,161,000	26,161,000	-	0.0%
Suffolk	10	37,234,000	37,234,000	-	0.0%
Region 10		**63,395,000**	**63,395,000**	**-**	**0.0%**
Bronx	11	9,229,000	9,229,000	-	0.0%
Kings	11	12,968,000	12,968,000	-	0.0%
New York	11	8,558,000	8,559,157	1,157	0.0%
Queens	11	20,688,000	20,688,000	-	0.0%
Richmond	11	5,668,000	5,668,000	-	0.0%
Region 11		**57,111,000**	**57,112,157**	**1,157**	**0.0%**
Total All Regions		**262,510,000**	**262,586,076**	**76,076**	**0.0%**

Considering the proposed toll modification is not anticipated to have a significant adverse impact at State and regional levels, as shown in the previous table, and because this project does not require any capital investments, the study concludes that it is also not regionally significant in terms of air quality analysis. In addition, based on guidance from NYSDOT in the previous analysis, if no federal approvals are involved and no Metropolitan Planning Organization ("MPO") TIP action is required, and the project is not regionally significant, the only conformity-related item is that the information pertaining to the toll changes. This includes the new toll rate information by year, vehicle type, and payment type, which should be provided to the appropriate MPOs, namely the NYMTC and the Orange County Transportation Council (OCTC), so the data can be incorporated into future regional conformity emissions analyses, as needed.

6.4 MICROSCALE PARTICULATE MATTER ($PM_{2.5}$) SCREENING

Introduction

The characteristics of total traffic and diesel truck volumes within the area affected by the proposed toll modification (study area) are examined in the sections below. The study area for this screening analysis includes all New York counties traversed by the Thruway and its diversion routes.

It should be noted that for this traffic impact screening, diversion traffic was split *equally* among identified diversion routes.

Traffic Impact

For screening purposes, the 2027 traffic was compared between the No Build and Build scenarios for the twenty worst roadway segments along the diversion routes in the study area is provided in Table 39. The worst segments were selected based on the following criteria:

- Routes with highly congested peak hours (Level of Service D, E, or F) where trucks are not prohibited.
- Segments with high truck volumes and / or high truck percentages
- Segments with high percentage of truck changes or high changes in truck volumes
- Segments located within a non-attainment or maintenance areas.

The daily traffic comparison indicates that the toll modifications would add a maximum of eight percent additional traffic on a diversion route. The increase of daily traffic on most segments ranges between one and four percent, as shown in Table 39, which is minimal.

Impact on Truck Traffic

The daily truck volume comparison for 2027 presented in Table 39 shows that the increase in daily truck traffic on most of the segments with the Build condition is generally six percent or less. There are two segments where the daily truck traffic is estimated to increase by more than ten percent, however, these high percentages represent only small changes to the number of daily trucks. These two segments are on Route 17 in Orange County and on Route 31 in Monroe County, which have daily total traffic volumes of some 14,000 and 20,000 vehicles, respectively. The addition of 70 or 71 daily vehicles to these routes averages less than three trucks an hour, or one truck every twenty minutes, which is not a substantial impact.

Table 39: Daily Traffic and Truck Volume Comparison for the Selected Roadway Segments

ROUTE NAME	BEGIN	END	COUNTY	TOTAL LANES	LOS		DAILY TOTAL VOLUME				DAILY TOTAL TRUCK VOLUME				PERCENT TRUCKS	
					NB	BD	NO-BUILD	BUILD	DIFF	%DIFF	NO-BUILD	BUILD	DIFF	%DIFF	NO-BUILD	BUILD
5	RAMP TO RT 179 EB	CITY OF LACKAWANNA	Erie	6	D	D	40,548	41,453	904	2%	2,433	2,587	154	6%	6%	6%
5	CITY OF LACKAWANNA	RIDGE RD	Erie	4	F	F	41,918	42,823	904	2%	2,934	3,088	154	5%	7%	7%
5	CONN TO ROUTE 75 IS UNDER	RAMP TO RT 179 EB	Erie	6	D	D	45,333	46,069	736	2%	2,063	2,209	147	7%	5%	5%
5	CENTRAL AVE	RT 60	Chautauqua	2	C	D	11,830	12,235	405	3%	1,538	1,667	129	8%	13%	14%
20	END 20/146 OLAP	RT 155 WESTMERE	Albany	4	D	D	33,021	34,361	1,341	4%	1,651	1,768	117	7%	5%	5%
20	ACC CROSSGATES MALL	RT 910F	Albany	4	F	F	48,998	50,339	1,341	3%	1,960	2,077	117	6%	4%	4%
9W	RT 910A BETHLEHEM CTR	START 9W/32 OLAP	Albany	2	D	D	21,570	22,359	789	4%	1,078	1,187	109	10%	5%	5%
32	BEG NORMANS KILL BRIDGE/CITY	ACC TO I787	Albany	2	E	E	10,467	11,255	789	8%	1,151	1,260	109	9%	11%	11%
9W	START 9W/32 OLAP	END 9W/32 OLAP	Albany	4	C	D	31,661	32,450	789	2%	3,166	3,275	109	3%	10%	10%
17	END US 6/NY 17 OLAP/EXIT 130	NY17/984C DIVERGE	Orange	4	F	F	58,491	59,283	791	1%	2,340	2,448	108	5%	4%	4%
9W	NEWBURGH CL / NEWBURGH TL	ACC RTS 84I & 52	Orange	4	E	E	48,495	49,287	791	2%	2,425	2,533	108	4%	5%	5%
17	END EXIT 122 MERGE	START US6/NY17/NY17M OLAP	Orange	4	E	E	56,570	57,362	791	1%	4,526	4,634	108	2%	8%	8%
I-95 EB	NY	NJ	New York	7	E	E	141,904	142,731	826	1%	12,386	12,479	94	1%	9%	9%
5	ACC RT 290I IS UNDER WITH CO	N FOREST RD	Erie	4	D	D	42,083	42,720	637	2%	842	927	85	10%	2%	2%
5	START 5/63 OLAP	END 5/63 OLAP START 5/33/63	Genesee	4	D	D	24,209	24,705	497	2%	2,179	2,258	79	4%	9%	9%
5	END 5/63 OLAP START 5/33/63	END 5/33/63 OLAP START 5/33	Genesee	4	D	D	33,444	33,926	482	1%	2,341	2,414	73	3%	7%	7%
17	RT 6 OVER	RT 17M E JCT HARRIMAN	Orange	2	C	D	14,270	15,126	856	6%	571	642	71	12%	4%	4%
17	RAMP TO STERLING MINE RD CR	OLD ROUTE 17 TO I-87/I-287/N	Rockland	4	E	E	36,299	37,155	856	2%	2,178	2,249	71	3%	6%	6%
17	NY 32	RT 6 OVER	Orange	4	D	D	42,734	43,590	856	2%	4,273	4,344	71	2%	10%	10%
31	TURKHILL RD CR 50	VICTOR RD CR 52	Monroe	2	F	F	20,092	20,805	714	4%	472	542	70	15%	2%	3%

Peak hour levels of service are also shown in Table 39. There are three locations where the roadway LOS degrades from C to D in the Build condition, and no locations that have any further degradation to LOS E or F (where the volume would reach or exceed its designed capacity). Somewhere in the LOS C/D range, traffic begins to slow from a free-flow condition. Of the three locations, a segment of Route 5/Central Avenue in Chautauqua County, which carries around 12,000 vehicles per day, has the most additional trucks with the Build condition. With the addition of 129 daily trucks (an 8 percent increase in truck volumes), this roadway segment has an estimated increase in truck share from 13 percent to 14 percent of total daily traffic. When divided across a day, however, this represents only five to six trucks an hour. This is deemed to not be a substantial impact.

In general, the screening analysis shows that daily truck volume changes at all locations are not substantial.

Screening Criteria for $PM_{2.5}$ Hot Spot Analysis and Summary of Findings

This section provides a screening for project-level $PM_{2.5}$ hot spot analysis based on criteria presented in the Federal Transportation Conformity Regulation at 40 CFR 93.123 (b) (1). The following criteria are used to determine whether the proposed toll modification would cause any concern with respect to air quality:

1. New highway projects that have a significant number of diesel vehicles, and expanded highway projects that have a significant increase in the number of diesel vehicles.

   The toll modification is neither a new highway project nor a highway expansion project, therefore, this criteria is not applicable to this regulation.

2. Projects affecting intersections that are at Level of Service D, E or F with a significant number of diesel vehicles, or those that will change to Level of Service D, E or F because of increased traffic volumes from a significant number of diesel vehicles related to the project.

   The results of traffic analysis indicate that there is no substantial or significant increase in diesel vehicle volumes at any one location as discussed in the previous section of this chapter.

3. New bus and rail terminals and transfer points that have a significant number of diesel vehicles congregating at a single location.

   Not applicable to this regulation.

4. Expanded bus and rail terminals that significantly increase the number of diesel vehicles congregating at a single facility.

   Not applicable to this regulation.

5. Projects in or affecting locations, areas or categories of sites which are identified in the $PM_{2.5}$ or PM_{10} SIP (approved or adequate submitted SIP) as sites of violation or possible violation

   Not applicable to this regulation.

Conclusion

The Authority, in a consultation with the NYSDOT, has concluded that the proposed toll modification is not a project of air quality concern per the criteria in 40 CFR Part 93.123 (b) (1) and the associated EPA guidance. Based on information provided above that the affected roadways do not have a substantial increase in diesel vehicles, and that

the toll modification will not result in a significant adverse impact to traffic volumes from diesel vehicles, a $PM_{2.5}$ hot spot analysis is not required.

6.5 MICROSCALE CARBON MONOXIDE (CO) SCREENING

Based on guidance provided in the NYSDOT TEM Chapter 4.4.16 on air quality, there are three levels of screening used to determine the need for a detailed CO microscale analysis. The first level of screening focuses on the level of service ("LOS"), while the second level of screening includes the following measures: source-receptor distance, traffic volume increase, vehicle emissions increase, the number of queued lanes, and increase and/or reduction in speed. If the second level of screening fails, Table 3c of TEM Chapter 4.4.16 is used to perform the third level of screening, i.e., volume threshold screening. If any of the screening tests are passed, a microscale analysis would not be warranted.

Level of Service Screening

Due to the extensive geographic coverage of the proposed toll modification, and for practical purposes, it was assumed that this regulation does not pass the first screening level of CO emissions. Therefore, the second level of the screening was performed.

Capture Criteria Screening

The second level of screening described in TEM Chapter 4.4.16 is the Capture Criteria Screening. Per this screening method, a CO microscale analysis is only warranted if one of the following screening criteria are met or exceed:

1) 10 percent or more reduction in the source-receptor distance (that is, the straight-line distance between the edge of the travel lane closest to the receptor and that point of the receptor closest to the roadway):

   No change to the source-reception distance is anticipated; therefore, this criterion is not met.

2) 10 percent or more increase in traffic volume on affected roadways:

   As indicated in Table 39, none of the impacted roadway segments has an increase of 10 percent or more in traffic volumes; therefore, this criterion is not met.

3) 10 percent or more increase in vehicle emissions:

   Consistent with the very minor traffic changes on all impacted routes as presented in the screening analysis in Chapter 5.0, the study has anticipated that the resulting changes in speed and delay would also be minor. This is consistent with the county-level VMT changes and the 20 roadway segments most impacted by truck traffic as shown in Table 38 and Table 39, respectively, in which the changes are significantly lower than 10 percent. Therefore, the impact on the vehicle emissions is also minor and this criterion is not met.

4) any increase in the number of queued lanes:

   No change in the number of queued lanes is anticipated.

5) 20 percent reduction in speed, when the Build estimated average speed is at 30 mph or less.

   As previously mentioned in item 3, the speed and delay changes are minor, and a significant reduction in speed (20 percent) is not anticipated on any of the impacted routes.

The results of the Capture Criteria Screening indicate that the above screening criteria are not met.

Volume Threshold Screening

This third level of the CO screening test is not required since the toll modification has passed the second level of the screening as discussed above.

Conclusion of the CO Screening

Based on the foregoing results, a detailed CO microscale analysis is not warranted because the Capture Criteria Screening was passed.

6.6 MESOSCALE ANALYSIS SCREENING

The NYSDOT TEM Chapter 4.4.16 Air Quality guidance indicates that if a project would significantly affect traffic conditions over a large area, it is appropriate to consider regional air quality effects of the project with a mesoscale analysis. Based on the traffic estimates, the proposed toll modification would not attract a significant volume of new traffic to the diversion routes within the state of New York. Table 38 (page 79) shows the daily VMT comparison between the Build and No Build scenario for all nonattainment and maintenance counties statewide. The impact on the Statewide VMT is negligible, and no more than 0.9 percent change is anticipated in any air quality nonattainment or maintenance area.

Using TEM Chapter 4.4.16 mesoscale screening criteria, the assessment below included the review and evaluation of the proposed action to determine whether further mesoscale analysis was necessary. Typical projects that require a mesoscale analysis are as follows:

- HOV lanes vs general use lanes projects

  Not applicable.

- New or significant modifications to interchanges on access-controlled facilities

  Not applicable.

- Large-scale signal coordination projects

  Not applicable.

- In attainment area, projects having alternatives (including the No Build) with significantly different (10 percent) VMT. In nonattainment and maintenance areas and included in the regional emissions analysis supporting the conformity determination for the TIP and Plan, projects having Build alternatives with significantly different (10 percent) VMT

  The Statewide VMT difference between Build and No Build scenarios is anticipated to be no more than 0.9 percent in any air quality nonattainment or maintenance area, which is well below the 10 percent threshold mentioned in this rule.

- Widening to provide additional travel lanes more than a mile in length.

  Not applicable.

A Mesoscale Analysis is not warranted for this toll modification because the anticipated effect of the proposed toll modification on Statewide VMT is negligible, and no more than 0.9 percent change is anticipated in any air quality nonattainment or maintenance area.

6.7 MOBILE SOURCE AIR TOXICS ANALYSIS

In January 2023, the FHWA updated the interim guidance (3) on how Mobile Source Air Toxics ("MSATs") should be addressed in NEPA documents for highway projects. FHWA developed a tiered approach for analyzing MSATs in NEPA documents. Depending on the specific project circumstances, FHWA has identified three levels of analysis:

1) Projects with No Meaningful Potential MSAT Effects, or Exempt Projects.

   The types of projects included in this category are:
   - Projects qualifying as a categorical exclusion under 23 CFR 771.117;
   - Projects exempt under the Clean Air Act conformity rule under 40 CFR 93.126; and
   - Other projects with no meaningful impacts on traffic volumes or vehicle mix.

2) Projects with Low Potential MSAT Effects

   The types of projects included in this category are those that serve to improve operations of highway, transit, or freight without adding substantial new capacity or without creating a facility that is likely to meaningfully increase MSAT emissions. This category covers a broad range of projects.

   It is anticipated that most highway projects that need an MSAT assessment will fall into this category. Examples of these types of projects are minor widening projects, new interchanges, replacing a signalized intersection on a surface street, and projects where design year traffic is projected to be less than 140,000 to 150,000 annual average daily traffic ("AADT").

3) Projects with Higher Potential MSAT Effects

   This category includes projects that have the potential for meaningful differences in MSAT emissions among project alternatives. It is expected that a limited number of projects to meet this two-pronged test. To fall into this category, a project should:

   - Create or significantly alter a major intermodal freight facility that has the potential to concentrate high levels of diesel particulate matter in a single location, involving a significant number of diesel vehicles for new projects or accommodating a significant increase in the number of diesel vehicles for expansion projects; or
   - Create new capacity or add significant capacity to urban highways such as Interstates, urban arterials, or urban collector-distributor routes with traffic volumes where the AADT is projected to be in the range of 140,000 to 150,0006 or greater by the design year; and also
   - Be proposed to be located in proximity to populated areas.

The proposed toll modification can be categorized into the first level of the above analysis, namely "Projects with No Meaningful Potential MSAT Effects, or Exempt Projects". The amount of MSAT emitted would be proportional to the vehicle miles traveled, or VMT, assuming that other variables such as fleet mix are the same for each alternative. As

the anticipated impact of the Statewide VMT is negligible, it can be concluded that the differences in MSAT concentrations between the No Build and Build scenarios are also negligible.

6.8 GREENHOUSE GASES (GHG) EMISSIONS, ENERGY, AND CLIMATE CHANGE

Based on the NYSDOT Environmental Science Bureau ("ESB") Draft 2003 Greenhouse Gas ("GHG") and Energy Analysis Guidelines, the criteria for determining whether a project requires an analysis are as follows:

Regional Significance

- Energy analyses should be performed for all projects listed in Transportation Improvement Plans ("TIPs") and Long Range Plans ("Plans") that have been identified as regionally significant based on the criteria outlined in NYSDOT's Energy Analysis Guidelines for TIPs and Plans.

In addition, the following factors should be considered for projects that are not identified as regionally significant but could have potential impacts on energy, the following quantitative thresholds may be used to determine the need for analysis:

- Change in VMT for each region containing non-attainment or maintenance counties
    - An action along a corridor which could result in a VMT increase of greater than 10 percent
    - An action in an urban area (as defined by the MPO boundaries) which could result in a VMT increase of greater than 1 percent
    - An action in a rural area (within a NYSDOT region not defined as an urban area) which could result in a VMT increase of greater than 1 percent
- Transportation Facility Construction Costs
    - Project costs on transportation facilities resulting in construction costs of $50 million or more (transportation facilities include roadways, rail facilities airports, etc.)

Conclusion

As discussed in Section 6.3 (Regional Air Quality Conformity) this toll modification is not regionally significant in terms of air quality analysis. The VMT difference between the Build and No Build, for each region containing non-attainment or maintenance counties, is no more than 0.9 percent and is negligible at the Statewide level as was shown in Table 38. Additionally, because the proposed action only involves toll modification and no construction, costs are well below $50 million threshold. Therefore, it is concluded that no energy/GHG analysis is needed because the proposed toll modifications would not have a significant adverse impact on energy or GHG impacts.

Since no physical construction is associated with this regulation, in relation to climate change, any potential impacts from a rise in sea level or river flooding are not anticipated or applicable.

It should be noted that new compliance is required under New York State's new Climate Act, with regards to disadvantaged communities – those disproportionately impacted by climate change and air pollution. This is discussed in Section 8.2.

7.0 ECONOMIC IMPACTS

As a result of the proposed modifications, both negative and positive economic impacts will occur. The negative impacts would affect customers of the Thruway to varying degrees. Positive impacts would also affect the Thruway customers and the economic health of New York State.

7.1 PROPOSED TOLL MODIFICATION

The Thruway serves a variety of customers throughout the state, including urban, suburban, and rural areas with a substantial number of out-of-state travelers on certain sections. The traffic is composed of short and long trips, commuters and occasional users, recreational and business travelers, and local delivery and long-distance trucking. Portions of the Thruway serve the major population areas of the State including New York City, Albany, Syracuse, Rochester, and Buffalo, which provide a strong commuter and commercial component to the overall traffic on the System. Additionally, the location of the Thruway along major north-south and east-west corridors supports a large component of long-distance travel and freight movement.

The proposed toll schedule detailed in Chapter 3.0 would increase the base NY E-ZPass rates by 5 percent on January 1, 2024 and January 1, 2027. Out-of-state E-ZPass and Tolls by Mail tolls would be increased from their current rates (15 percent and 30 percent above the NY E-ZPass rate, respectively) to 75 percent above the NY E-ZPass rate. For the GMMCB, the base NY E-ZPass passenger car toll would be increased by 50 cents a year over four years each January 1st from 2024 through 2027. Passenger cars on the Westchester/Rockland Resident Plan will see their discount change from 17 percent to 20 percent, and the 40 percent commuter discount program would be maintained. Commercial rates at the GMMCB would be increased proportionately to the car rates.

The following sections provide narrative on the proposed modifications by location, vehicle type and payment type, and how the typical driver may be impacted.

7.2 IMPACTS ON VARIOUS TYPES OF PASSENGER CAR CUSTOMERS

The Thruway has two types of toll systems: a controlled system, which was converted to cashless tolling in late 2020, and a barrier system of cashless toll gantries. On the controlled system, the toll charged reflects the distance traveled. Barrier system tolls have a single rate for cars of the same payment class that pass under a specific gantry. There are different types of customers: NY and non-NY E-ZPass customers, Tolls by Mail customers, annual permit holders, commuters, and residents. The impacts on different types of customers in the passenger car (2L) class are discussed in the following sections.

Because the toll modification proposes larger increases for vehicles who pay with non-NY E-ZPass and Tolls by Mail on all Thruway facilities and those customers tend to be very infrequent Thruway travelers, impacts on these customers when considered on an annual basis are expected to be minor. These customers can reduce their tolls simply by obtaining a NY E-ZPass. Toll increase impacts can be further mitigated by joining an applicable resident or commuter discount plan. On the GMMCB, where larger toll increases are proposed, greater impacts on customers may occur; again, by switching to a NY E-ZPass or any applicable plans will significantly reduce these impacts.

Passenger Cars on the Controlled System

With the proposed toll adjustments, passenger cars with a NY E-ZPass account will see an increase from the current 4.47¢ per mile to 4.69¢ per mile in 2024 and 4.92¢ per mile in 2027, increases of 5 percent. Passenger cars under the Permit Plan will likewise see 5 percent increases in 2024 and 2027. Passenger cars with an out-of-state E-ZPass account will see an increase from the current 5.14¢ per mile to 8.21¢ per mile in 2024, a 60 percent increase, followed by a 5 percent increase to 8.61¢ per mile in 2027. Tolls by Mail passenger cars on the controlled system would see an increase from the current 5.81¢ per mile to 8.21¢ per mile in 2024, a 41 percent increase, followed by a 5 percent increase to 8.61¢ per mile in 2027.

The "typical customer" on the Thruway controlled system, or any of the barrier system gantries, is a customer who utilizes the Thruway system very infrequently. NY E-ZPass data shows that of transponders with any monthly use, the most common usage is one toll trip per month, followed by two trips per month. Customers with out-of-state E-ZPass travel even less frequently on the Thruway, as many of them reside outside New York. Tolls by Mail customers tend to be the least frequent customers of all. However, the analysis shown in Table 40 assumes a more moderate level of travel to provide some representative annual cost impacts for regular travelers.

Table 40: Representative Additional Annual Cost for Thruway Passenger Car Customers

Thruway Toll Location	Commuter[1]	Resident[2]	Std. NY E-ZPass Customer[3]	Non-NY E-ZPass Customer[4]	Tolls By Mail Customer[5]
1/1/2024 Additional Annual Cost					
Controlled System	$4		$9	$92	$58
Grand Island Bridges	$3	$0	$4	$24	$12
Harriman and Yonkers Barriers	$13		$9	$59	$31
New Rochelle Barrier	$13		$6	$41	$21
Gov. Mario M. Cuomo Bridge	$72	$30	$36	$156	$83
1/1/2025 Additional Annual Cost (Incremental)					
Gov. Mario M. Cuomo Bridge	$72	$48	$36	$31	$21
1/1/2026 Additional Annual Cost (Incremental)					
Gov. Mario M. Cuomo Bridge	$72	$48	$36	$32	$21
1/1/2027 Additional Annual Cost (Incremental)					
Controlled System	$5		$9	$12	$10
Grand Island Bridges	$4	$0	$4	$3	$2
Harriman and Yonkers Barriers	$14		$9	$7	$5
New Rochelle Barrier	$14		$6	$5	$4
Gov. Mario M. Cuomo Bridge	$72	$48	$36	$31	$21

Note: Costs have been rounded to the dollar.
[1]Representative commuter plan customer on the controlled system (permit plan) pays an annual fee and is assumed keep all trips within the 30 mile per trip limit. Representative commuter plan customer on the rest of the system assumed to make 20 round trips per month through a toll barrier.
[2]Representative Resident NY E-ZPass customer (non-commuter) on the Gov. Mario M. Cuomo or Grand Island Bridges assumed to make 10 round trips per month.
[3]Representative Standard NY E-ZPass customer assumed to drive about 4,000 annual miles on the controlled system or make 6 round trips per month though a toll barrier
[4]Representative Non-NY E-ZPass customer assumed to drive about 3,000 annual miles on the controlled system or make 3 round trips per month through a toll barrier.
[5]Representative Tolls by Mail customer assumed to drive about 2,400 annual miles on the controlled system or make 2 round trips per month through a toll barrier.

This assessment assumes a representative NY E-ZPass customer currently travels about 4,000 miles per year on the controlled system. As noted in Table 40, the additional annual costs associated with the proposed toll modifications for these customers would be about $9 in 2024, plus another $9 annually in 2027. A non-NY E-ZPass customer traveling about 3,000 miles a year on the controlled system would have an additional annual cost of $92 in 2024, plus an additional $12 annually in 2027. A Tolls by Mail customer currently traveling about 2,400 miles a year on the controlled system would have an additional annual cost of $58, plus an additional $10 in 2027. Non-NY E-ZPass and Tolls by Mail customers would have the option to get a NY E-ZPass and receive a 75 percent discount starting in 2024. These current non-NY E-ZPass and Tolls by Mail customers would see their annual costs decrease by about $7 and $21, respectively, if they switched to a NY E-ZPass in 2027. For the more frequent users of the Thruway controlled system, purchasing an annual permit, which would have proposed five percent increases in 2024 and 2027 to $92.40 and $97.02, respectively, would provide the more economical means of travel for anyone going more than about 1,970 miles a year within the 30-mile limits per trip.

Passenger Cars on the Grand Island Bridges

At the Grand Island Bridges, the proposed 5 percent increase to the standard NY E-ZPass passenger car toll in January 2024 would increase the rate from $0.95 to $1.00. The out-of-state E-ZPass passenger car and Tolls by Mail tolls would be set to 75 percent above the NY E-ZPass rate. This would result in a 60 percent increase for out-of-state E-ZPass from the current rate of $1.09 to the proposed rate of $1.75, and a 42 percent increase in Tolls by Mail rates from the current rate of $1.24 to the proposed rate of $1.75. The proposed 5 percent NY E-ZPass increase would apply to customers who utilize the two existing Grand Island Bridge discount programs. Because the $0.09 per trip rate for Grand Island Resident Plan customers is so low, this rate would be maintained through 2026. The Grand Island commuter program has a monthly minimum Grand Island Bridge usage charge of $5.60 (and 28¢ per trip in excess of 20 trips), which would be increased to $5.80 per month (and 29¢ per trip in excess of 20 trips) in 2024. The commuter plan is economical for those customers making at least 5 trips per month.

A 5 percent proposed increase for all customers and payment types would occur at the Grand Island Bridges in January 2027. Standard NY E-ZPass passenger car toll would be increased from $1.00 to $1.05. The out-of-state E-ZPass and Tolls by Mail passenger car rates would be increased from $1.75 to $1.83. Grand Island Resident Plan tolls would be increased from $0.09 to $0.10, and the Grand Island commuter program monthly minimum usage charge of $5.80 (and 29¢ per trip in excess of 20 trips) would be increased to $6.20 (and 31¢ per trip in excess of 20 trips) in 2027.

Assuming an average of six round trips per month, a representative standard NY E-ZPass customer at the Grand Island Bridges would see their annual costs for tolls increase by about $4 in 2024 and an additional $4 in 2027. Assuming an average of three round trips per month, a representative non-NY E-ZPass customer would see their annual costs for tolls increase by about $24 in 2024 and an additional $3 in 2027. Assuming an average two round trips per month, a representative Tolls by Mail customer would see their annual toll costs increase by about $12 in 2024 and an additional $2 in 2027. By obtaining a NY E-ZPass, non-NY E-ZPass and Tolls by Mail customers would save 75 percent on their tolls. Between now and 2027, annual costs would decrease by about $1 for these current non-NY E-ZPass customers and by $5 for these current Tolls by Mail customers by switching to a NY E-ZPass.

Passenger Cars at the Yonkers and Harriman Toll Gantries

At the Yonkers and Harriman Gantries, the proposed 5 percent increase to the standard NY E-ZPass passenger car toll in January 2024 would bring the rate from $1.19 to $1.25. The out-of-state E-ZPass passenger car and Tolls by Mail tolls would be set to 75 percent above the NY E-ZPass rate. This would result in a 60 percent increase for out-of-

state E-ZPass rates from the current rate of $1.37 to the proposed rate of $2.19, and a 42 percent increase in Tolls by Mail rates from the current rate of $1.54 to the proposed rate of $2.19. Commuters at each of the two gantry locations have the option of participating in a location-specific commuter plan that charges a monthly minimum usage charge of $19.25 (and 55¢ per trip in excess of 35 trips), which will be increased to $20.30 per month (and 58¢ per trip in excess of 35 trips) in 2024. The commuter plan is economical for those customers that make more than 16 trips per month.

A 5 percent proposed increase for all customers and payment types would occur at the Yonkers and Harriman Gantries in January 2027. Standard NY E-ZPass passenger car toll would be increased from $1.25 to $1.31. The out-of-state E-ZPass and Tolls by Mail passenger car rates would be increased from $2.19 to $2.29. Commuters at each of the two gantry locations who participate in the location-specific commuter plans would see the monthly minimum usage charge of $20.30 per month (and 58¢ per trip in excess of 35 trips) increase to $21.35 per month (and 61¢ per trip in excess of 35 trips) in 2027. The commuter plan is economical for those customers that make over 16 trips per month.

Assuming an average of six round trips per month, a representative NY E-ZPass customer at the Yonkers and Harriman Toll Gantries would see their annual costs for tolls increase by about $9 in 2024 and an additional $9 in 2027. Assuming an average of three round trips per month, a representative non-NY E-ZPass customer would see their annual costs for tolls increase by about $59 in 2024 and an additional $7 in 2027. Assuming an average of two round trips per month, a representative Tolls by Mail customer would see their annual toll costs increase by about $31 in 2024 and an additional $5 in 2027. By obtaining a NY E-ZPass, non-NY E-ZPass and Tolls by Mail customers would save 75 percent on their tolls. Between now and 2027, annual costs would decrease by about $4 for these current non-NY E-ZPass customers and $11 for these current Tolls by Mail customers by switching to a NY E-ZPass.

Passenger Cars at the New Rochelle Toll Gantry

At the New Rochelle Toll Gantry, the proposed 5 percent increase to the standard NY E-ZPass passenger car toll would bring the rate from $1.66 to $1.74 in January 2024. The out-of-state E-ZPass passenger car and Tolls by Mail tolls would be set to 75 percent above the NY E-ZPass rate. This would result in a 60 percent increase for out-of-state E-ZPass rates from the current rate of $1.91 to the proposed rate of $3.05, and a 42 percent increase in Tolls by Mail rates from the current rate of $2.16 to the proposed rate of $3.05. Commuters at the New Rochelle Toll Gantry have the option of participating in a commuter plan that charges a monthly minimum usage charge of $22.00 (and $1.10 per trip in excess of 20 trips) which will be increased to $23.20 per month (and $1.16 per trip in excess of 20 trips) in 2024. The commuter plan is economical for those customers that make over 13 trips per month.

A 5 percent proposed increase for all customers and payment types would occur at the New Rochelle Gantry in January 2027. Standard NY E-ZPass passenger car toll would be increased from $1.75 to $1.84. The out-of-state E-ZPass and Tolls by Mail passenger car rates would be increased from $3.06 to $3.22. New Rochelle commuter plan customers would see the monthly minimum usage charge increase from $23.20 per month (and $1.16 per trip in excess of 20 trips) to $24.36 per month (and $1.22 per trip in excess of 20 trips) in 2027. The commuter plan is economical for those customers that make over 13 trips per month.

Assuming an average of six round trips per month, a representative NY E-ZPass customer at the New Rochelle Toll Gantry would see their annual costs for tolls increase by about $6 in 2024 and an additional $6 in 2027. Assuming an average three round trips per month, a representative non-NY E-ZPass customer would see their annual costs for tolls increase by about $41 in 2024 and an additional $5 in 2027. Assuming an average of two round trips per month, a representative Tolls by Mail customer would see their annual toll costs increase by about $21 in 2024 and an

additional $4 in 2027. By obtaining a NY E-ZPass, non-NY E-ZPass and Tolls by Mail customers would save 75 percent on their tolls. Between now and 2027, annual costs would *decrease* by about $3 for these current non-NY E-ZPass customers and by $8 for these current Tolls by Mail customers by switching to a NY E-ZPass.

Passenger Cars on the Governor Mario M. Cuomo Bridge

Incremental toll increases in each of four years from 2024 through 2027 are proposed for the Governor Mario M. Cuomo Bridge. In January 2024, a 50¢ increase for passenger cars with a standard NY E-ZPass results in a 9 percent toll increase for these customers, bringing their toll from the current $5.75 rate to $6.25. Increases of 50¢ a year are also proposed for January of each of the following three years - 2025, 2026 and 2027 - which calculates to annual increases of about 7 to 8 percent each year, to $6.75, $7.25, and $7.75, respectively.

The out-of-state E-ZPass passenger car and Tolls by Mail tolls would be set to 75 percent above the NY E-ZPass rate. This results in a 66 percent increase in out-of-state E-ZPass rates from the current rate of $6.61 to the proposed rate of $10.94, and a 46 percent increase in Tolls by Mail rates from the current rate of $7.48 to the proposed rate of $10.94. Increases of about 7 to 8 percent a year are proposed for the three following years in January, to $11.81 in 2025, $12.69 in 2026, and $13.56 in 2027, for both out-of-state and Tolls by Mail customers at the GMMCB.

Commuters at the GMMCB currently have the option of participating in a commuter plan that charges a monthly minimum usage charge of $69.00 (and $3.45 per trip in excess of 20 trips) which will be increased by 9 percent to $75.00 per month (and $3.75 per trip in excess of 20 trips) in 2024. Further annual increases of 7 to 8 percent are proposed for commuter plan customers, increasing their monthly minimum usage charge to $81.00 (and $4.05 per trip in excess of 20 trips) in 2025, $87.00 (and $4.35 per trip in excess of 20 trips) in 2026, and $93.00 (and $4.65 per trip in excess of 20 trips) in 2027. Similar to today, the commuter plan will remain economical for those customers that make at least 12 trips per month.

In addition there is a GMMCB Resident Plan available to residents of Westchester and Rockland counties who provide proof of residency. Their current toll of $4.75 will be increased to $5.00 (5 percent) in 2024 with the proposed plan, followed by annual increases of 7 to 8 percent, to $5.40 in 2025, $5.80 in 2026, and $6.20 in 2027. Each of the proposed future rates for Resident Plan customers is 20 percent below the standard NY E-ZPass rate, more than today’s 17 percent discount.

A representative standard NY E-ZPass customer (who is not part of a resident or commuter plan), is assumed to average six round trips per month, and would see their annual toll costs increase by $36 each year from 2024 through 2027. A commuter plan participant at the GMMCB assumed to make 20 round trips per month would see incremental cost increases of $72 each year from 2024 through 2027.

A representative non-NY E-ZPass customer on the GMMCB, assumed to average three round trips per month, would see an annual toll cost increase of $156 in 2024 and additional incremental increases of $31 to $32 each year from 2025 through 2027. A representative Tolls by Mail customer, assumed to average two round trips per month, would see an annual toll cost increase of about $83 in 2024 followed by additional annual increases of $21 in 2025, 2026, and 2027. Impacts can be reduced by obtaining by obtaining a NY E-ZPass. Between now and 2027, annual costs would increase by $41 for these current non-NY E-ZPass customers and by $6 for these current Tolls by Mail customers who switch to a NY E-ZPass. This compares to a 2027 annual savings of $209 and $139, respectively, compared to staying with their current payment method.

A summary of the additional costs for the various representative customers at the different gantries was presented previously in Table 40.

Other Passenger Car Customer Considerations

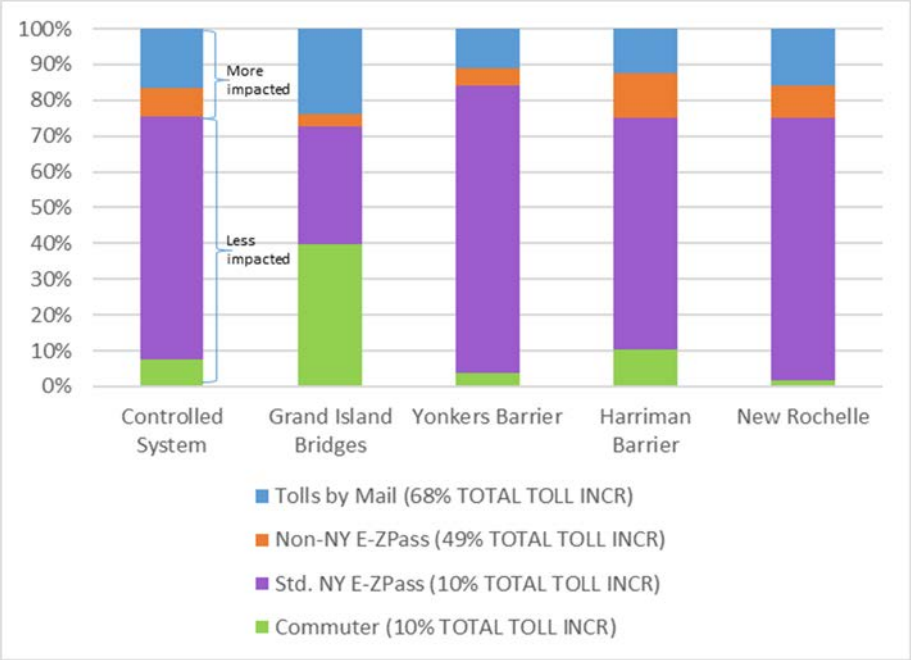
As discussed herein, customers who currently have a NY E-ZPass will see significantly smaller toll increases than those paying by other methods. Even with the proposed toll modifications, most customers currently utilizing other payment types would actually see a reduction in their toll charges by acquiring a NY E-ZPass. To address passenger customers where automatic replenishment of an E-ZPass account could be a hardship, or who may not have credit cards, several years ago the NY E-ZPass Customer Service Center introduced “Pay per Trip,” an E-ZPass toll payment plan that links a customer’s E-ZPass account to their checking account and pays E-ZPass tolls once per day, direct from a bank account, only on the days when tolls are posted to the E-ZPass account. Neither a prepaid E-ZPass account balance nor a credit card is required for this type of account.

It is also possible for unbanked Thruway customers (i.e., customers without bank accounts) to use E-ZPass. These customers could purchase a prepaid credit card with cash at any retailer that offers them and use the card to replenish their E-ZPass account; alternatively they could purchase a pre-packaged E-ZPass tag with cash at participating retail locations. Unbanked Tolls by Mail customers will be able to take their toll bill to any MoneyGram location and pay their toll bill using cash.

7.3 IMPACTS BY PROPORTION OF THRUWAY TRAFFIC

Figure 14 shows the share of forecasted 2027 passenger car traffic in each payment category and the overall proposed toll increase between now and 2027 for each of these payment categories. All Thruway facilities are included in the figure except the Spring Valley Toll Gantry (which does not toll cars) and the GMMCB, which is addressed separately in Figure 15. Between 73 and 84 percent of passenger car traffic at each facility will see their tolls increase by only 10 percent through 2027 with the proposed modifications. As previously discussed, the non-NY E-ZPass customers and Tolls by Mail customers tend to travel the Thruway much less frequently than NY E-ZPass customers; therefore, the typical customer using one of these payment types will not have a large increase in their Thruway toll costs on an annual basis.

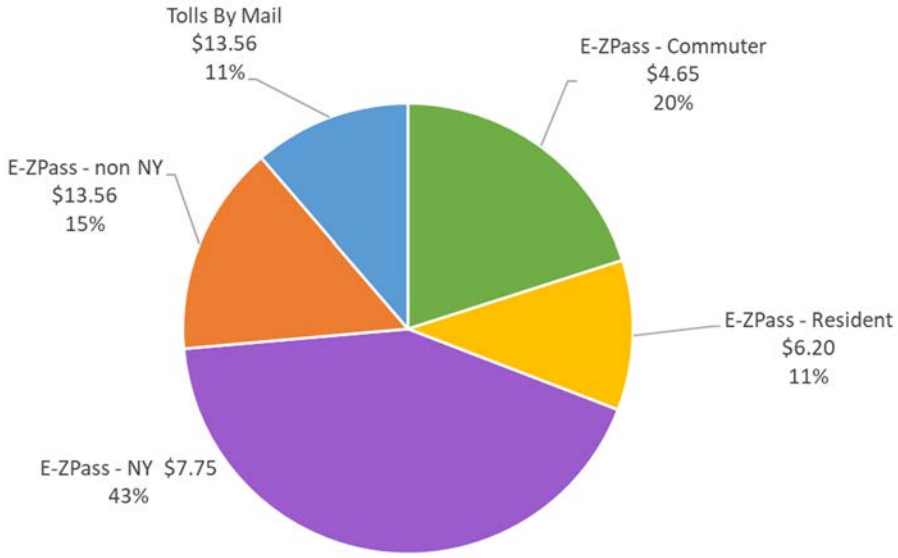
Figure 14: Share of 2027 Passenger Car Traffic by Payment Type



Note: Grand Island Bridge Resident Plan trips included under commuters

Figure 15 provides additional information on the GMMCB, in terms of the split of passenger car traffic paying the various proposed 2027 toll rates. The standard NY E-ZPass car toll is proposed to increase 50 cents over four years, to $7.75 in 2027; an estimated 43 percent of car traffic is expected to be charged this standard rate. If a car makes at least 20 crossings of the GMMCB a month on the commuter plan, they will pay the proposed rate of $4.65 in 2027. An estimated 11 percent of traffic will participate in the Resident Plan, where tolls are proposed to increase to $6.20 per trip. A total of about 74 percent of car traffic will pay less than the $13.56 rate proposed for vehicles without a NY E-ZPass. Impacts are less for infrequent travelers in terms of annual toll costs, which can be reduced or mitigated by switching to a NY E-ZPass or with participation in any applicable NY E-ZPass discount plans.

Figure 15: Governor Mario M. Cuomo Bridge Proposed 2027 Passenger Car Toll Rates and Estimated Share of Traffic by Payment Type



Note: Numbers may not add due to rounding

7.4 RELATIONSHIP OF NON-TOLL COSTS AND IMPACTS OF PASSENGER CAR TOLL INCREASES

The price of fuel for motor vehicles has fluctuated considerably in the last couple of years, by more than a dollar per gallon. The change in the annual cost to motorists due to fuel cost fluctuations is a function of the variation in fuel prices, the fuel efficiency of the vehicle, and the number of miles driven in the year. For instance, a $0.10 rise in the price of fuel for a compact passenger car that gets 40 miles per gallon results in an increase of about 0.25¢ per mile, which equates to 55 percent of the total proposed per-mile toll increase for NY E-ZPass customers, 7 percent of the total proposed per-mile toll increase for non-NY E-ZPass customers, and 9 percent of the total proposed per-mile increase for Tolls by Mail customers on the controlled system. If those compact vehicles travel 13,000 miles a year[3], the total increased fuel cost due to the $0.10 per gallon rise would be $33. Compared to Table 40, this increase in fuel cost would be greater than any annual impacts from the proposed toll adjustment program for NY E-ZPass customers, who make up the vast majority of Thruway trips, with the exception of GMMCB customers.

Information obtained from the Bureau of Transportation Statistics ("BTS") indicates the weighted average real-world fuel economy for combined passenger cars and light-duty trucks is 22.9 miles per gallon (2020 data). For this average vehicle, the increased cost due to a $0.10 rise in fuel prices is about 0.44¢ per mile, close to the 0.45¢ per mile Thruway toll increase for non-NY E-ZPass between now and 2027. The total increased annual fuel cost for

[3] The average miles driven per person in the U.S. in 2022 was 13,476 according to FHWA: https://www.fhwa.dot.gov/ohim/onh00/bar8.htm

driving 13,000 miles is $57. This is more than any of the expected increases resulting from the toll adjustments for the vast majority of Thruway customers.

For a full-sized SUV getting 22 miles per gallon the total annual cost for the same 13,000 miles for a $0.10 rise in fuel prices is $59 per year, a 0.45¢ per mile fuel cost increase. For the vast majority of customers, this $59 increase is more than the additional annual toll costs due to the proposed increase. Variations in fuel prices of $0.25 or $0.50 per gallon have not been uncommon recently. Such changes impact the SUV cost per mile by 1.1¢ to 2.3¢ per mile, both which have much larger impacts than the 0.45¢ per mile total proposed toll increase on the controlled system for NY E-ZPass customers between now and 2027. NY E-ZPass customers make up more trips on the system than any other payment type.

Average 2019 vehicle operating costs, as reported by the American Automobile Association ("AAA"), vary among vehicle types; the estimated operating cost for the average car was 27.67¢ per mile. As part of the toll modifications, the controlled system toll will increase by a total of 0.45¢ per mile between now and 2027 for NY E-ZPass customers, which is equivalent to 1.6 percent of the total per-mile cost of operating an average car; by 3.48¢ per mile for non-NY E-ZPass customers, equivalent to 12.6 percent of the total per-mile cost of operating an average car; and by 2.81¢ per mile for Tolls by Mail, which is equivalent to 10.1 percent of the total per-mile cost of operating an average car.

7.5 IMPACTS ON COMMERCIAL VEHICLES

The proposed toll adjustment would result in percentage increases for commercial vehicles similar to those for passenger car customers. Details on the proposed toll rates for all classes were presented previously in Table 10 (page 20) and Table 11 (page 22).

On the controlled system, the toll charged reflects the distance traveled. Tolls at the barriers (which operate as cashless toll gantries) have a single rate for vehicles of the same class and payment type. By paying with NY E-ZPass, customers are able to take advantage of discounted tolls. As previously discussed in Section 3.4, frequent commercial users also have the option of participating in commercial discount programs, including the S-Discount for non-tandem commercial vehicles and the E-ZPass Commercial Volume Discount. Additionally, commercial drivers can offset their toll expenses by taking advantage of the Highway Use Tax Credit for toll-paid mileage on the Thruway's facilities.

In 2022, commercial vehicles comprised approximately seventeen percent of toll transactions on the Thruway system; however, commercial vehicles accounted for 49 percent of Thruway revenues. In 2022 about 84 percent of all vehicles paid a toll with an E-ZPass transponder. For commercial vehicles, the E-ZPass market share equated to approximately 93 percent, compared to 82 percent for passenger cars. The majority of commercial Thruway E-ZPass trips – about 81 percent – are made by customers with a NY E-ZPass account who can therefore take advantage NY E-ZPass discounts.

For all Thruway facilities except for the GMMCB, the proposed 2024 toll modification would increase toll rates by 5 percent for vehicles paying with NY E-ZPass, approximately 60 percent for vehicles paying with non-NY E-ZPass, and by roughly 42 percent for Tolls by Mail. The 2027 toll modification would increase tolls for all these payment methods by another 5 percent.

At the GMMCB, the proposed 2024 toll modification varies by method of payment. Commuter and Resident plan tolls would increase by 5 percent, standard NY E-ZPass vehicle tolls would increase by 9 percent, non-NY E-ZPass tolls

would increase by 65 percent, and Tolls by Mail tolls would increase by 46 percent. The proposed 2025, 2026, and 2027 toll modifications at the GMMCB would further increase tolls for all payment types on the bridge by an additional 8 percent, 7 percent, and 7 percent, respectively.

Commercial toll modifications, which will be the same as the car toll modifications, are further detailed in the following section; for those do that not currently have a NY E-ZPass, there is the option to reduce impacts by obtaining a NY E-ZPass.

Commercial Vehicles on the Controlled System

Table 41 identifies the proposed toll rate increase by payment type for commercial vehicle classes 4H through 7H on the controlled system. Under the proposed increase, the NY E-ZPass rate for a Class 5H vehicle will increase by 1.1 cents per mile in 2024 and 1.2 cents per mile in 2027. The Class 5H non-NY E-ZPass rate will increase by 15.6 cents per mile in 2024 and 2.1 cents per mile in 2027. The Class 5H Tolls by Mail rate will increase by 12.2 cents per mile in 2024 and 2.1 cents per mile in 2027. As an example of total trip cost, a Class 5H vehicle traveling between Exit 24 (Albany) to Exit 50 (Williamsville) currently pays $61.89 with a NY E-ZPass, $71.19 with a non-NY E-ZPass, and $80.48 with Tolls by Mail. With the toll modification, the proposed rates in 2027 would be $68.24 with a NY E-ZPass and $119.43 with a non-NY E-ZPass or Tolls by Mail.

In 2022, approximately 95 percent of commercial vehicle trips on the controlled system utilized E-ZPass. With the proposed toll modification, some customers who now pay Tolls by Mail may switch payment methods in order to take advantage of the NY E-ZPass program, with its 75 percent discount from other payment types as well as the additional volume discount plan.

Table 41: Changes in Commercial Toll Rates – Cost per Mile on Controlled System

Commercial Vehicle Class:		4H	5H	6H	7H
Current	NY E-ZPass	$0.168	$0.227	$0.282	$0.336
	Non-NY E-ZPass	$0.193	$0.261	$0.324	$0.386
	Tolls By Mail	$0.218	$0.295	$0.366	$0.437
Proposed 2024	NY E-ZPass	$0.176	$0.239	$0.296	$0.353
	Non-NY E-ZPass	$0.309	$0.417	$0.517	$0.617
	Tolls By Mail	$0.309	$0.417	$0.517	$0.617
$ Change current-2024	NY E-ZPass	$0.008	$0.011	$0.014	$0.017
	Non-NY E-ZPass	$0.116	$0.156	$0.194	$0.231
	Tolls By Mail	$0.090	$0.122	$0.151	$0.181
% Change current-2024	NY E-ZPass	5%	5%	5%	5%
	Non-NY E-ZPass	60%	60%	60%	60%
	Tolls By Mail	41%	41%	41%	41%
Proposed 2027	NY E-ZPass	$0.185	$0.250	$0.310	$0.370
	Non-NY E-ZPass	$0.324	$0.438	$0.543	$0.648
	Tolls By Mail	$0.324	$0.438	$0.543	$0.648
$ Change 2024-2027	NY E-ZPass	$0.009	$0.012	$0.015	$0.018
	Non-NY E-ZPass	$0.015	$0.021	$0.026	$0.031
	Tolls By Mail	$0.015	$0.021	$0.026	$0.031
% Change 2024-2027	NY E-ZPass	5%	5%	5%	5%
	Non-NY E-ZPass	5%	5%	5%	5%
	Tolls By Mail	5%	5%	5%	5%

Commercial Vehicles at the Cashless Toll Gantries of the Barrier System

The proposed percentage increase in tolls at the cashless toll gantries of the barrier system for NY E-ZPass, non-NY E-ZPass, and Tolls by Mail accounts is similar to the controlled system: 5 percent, 60 percent, and 41 percent in 2024, respectively, followed by another 5 percent increase for all payment types in 2027. The GMMCB is an exception to this, with larger modifications to proposed tolls, and four increases rather than two.

Table 42 through Table 46 present details on the proposed toll modifications at each toll location for the various payment types and vehicle classes 4H through 7H. These tables present the current toll rate, the proposed toll rate, the amount of toll change, and the percentage toll change.

Table 42: Changes in Commercial Toll Rates – Harriman & Yonkers Toll Gantries

Commercial Vehicle Class:		4H	5H	6H	7H
Current	NY E-ZPass	$2.85	$4.04	$4.75	$5.46
	Non-NY E-ZPass	$3.28	$4.64	$5.46	$6.28
	Tolls By Mail	$3.71	$5.25	$6.18	$7.10
Proposed 2024	NY E-ZPass	$2.99	$4.24	$4.99	$5.73
	Non-NY E-ZPass	$5.23	$7.42	$8.73	$10.03
	Tolls By Mail	$5.24	$7.42	$8.73	$10.03
$ Change current-2024	NY E-ZPass	$0.14	$0.20	$0.24	$0.27
	Non-NY E-ZPass	$1.95	$2.78	$3.27	$3.75
	Tolls By Mail	$1.53	$2.17	$2.55	$2.93
% Change current-2024	NY E-ZPass	5%	5%	5%	5%
	Non-NY E-ZPass	59%	60%	60%	60%
	Tolls By Mail	41%	41%	41%	41%
Proposed 2027	NY E-ZPass	$3.14	$4.45	$5.24	$6.02
	Non-NY E-ZPass	$5.50	$7.79	$9.17	$10.54
	Tolls By Mail	$5.50	$7.79	$9.17	$10.54
$ Change 2024-2027	NY E-ZPass	$0.15	$0.21	$0.25	$0.29
	Non-NY E-ZPass	$0.27	$0.37	$0.44	$0.51
	Tolls By Mail	$0.26	$0.37	$0.44	$0.51
% Change 2024-2027	NY E-ZPass	5%	5%	5%	5%
	Non-NY E-ZPass	5%	5%	5%	5%
	Tolls By Mail	5%	5%	5%	5%

Table 43: Changes in Commercial Toll Rates – New Rochelle Toll Gantry

Commercial Vehicle Class:		4H	5H	6H	7H
Current	Tolls by Mail	$4.75	$7.60	$8.31	$9.26
	Non-NY E-ZPass	$5.46	$8.74	$9.56	$10.65
	NY E-ZPass	$6.18	$9.88	$10.81	$12.04
Proposed 2024	Tolls by Mail	$4.99	$7.98	$8.73	$9.72
	Non-NY E-ZPass	$8.73	$13.97	$15.28	$17.01
	NY E-ZPass	$8.73	$13.97	$15.28	$17.01
$ Change current-2024	Tolls by Mail	$0.24	$0.38	$0.42	$0.46
	Non-NY E-ZPass	$3.27	$5.23	$5.72	$6.36
	NY E-ZPass	$2.55	$4.09	$4.47	$4.97
% Change current-2024	Tolls by Mail	5%	5%	5%	5%
	Non-NY E-ZPass	60%	60%	60%	60%
	NY E-ZPass	41%	41%	41%	41%
Proposed 2027	Tolls by Mail	$5.24	$8.38	$9.17	$10.21
	Non-NY E-ZPass	$9.17	$14.67	$16.05	$17.87
	NY E-ZPass	$9.17	$14.67	$16.05	$17.87
$ Change 2024-2027	Tolls by Mail	$0.25	$0.40	$0.44	$0.49
	Non-NY E-ZPass	$0.44	$0.70	$0.77	$0.86
	NY E-ZPass	$0.44	$0.70	$0.77	$0.86
% Change 2024-2027	Tolls by Mail	5%	5%	5%	5%
	Non-NY E-ZPass	5%	5%	5%	5%
	NY E-ZPass	5%	5%	5%	5%

Table 44: Changes in Commercial Toll Rates – Grand Island Bridges Toll Gantries

Commercial Vehicle Class:		4H	5H	6H	7H
Current	NY E-ZPass	$2.61	$4.04	$4.28	$4.75
	Non-NY E-ZPass	$3.00	$4.64	$4.92	$5.46
	Tolls By Mail	$3.40	$5.25	$5.56	$6.18
Proposed 2024	NY E-ZPass	$2.74	$4.24	$4.49	$4.99
	Non-NY E-ZPass	$4.80	$7.42	$7.86	$8.73
	Tolls By Mail	$4.80	$7.42	$7.86	$8.73
$ Change current-2024	NY E-ZPass	$0.13	$0.20	$0.22	$0.24
	Non-NY E-ZPass	$1.80	$2.78	$2.94	$3.27
	Tolls By Mail	$1.40	$2.17	$2.30	$2.55
% Change current-2024	NY E-ZPass	5%	5%	5%	5%
	Non-NY E-ZPass	60%	60%	60%	60%
	Tolls By Mail	41%	41%	41%	41%
Proposed 2027	NY E-ZPass	$2.88	$4.45	$4.71	$5.24
	Non-NY E-ZPass	$5.04	$7.79	$8.24	$9.17
	Tolls By Mail	$5.04	$7.79	$8.26	$9.17
$ Change 2024-2027	NY E-ZPass	$0.14	$0.21	$0.22	$0.25
	Non-NY E-ZPass	$0.24	$0.37	$0.38	$0.44
	Tolls By Mail	$0.24	$0.37	$0.40	$0.44
% Change 2024-2027	NY E-ZPass	5%	5%	5%	5%
	Non-NY E-ZPass	5%	5%	5%	5%
	Tolls By Mail	5%	5%	5%	5%

Table 45: Changes in Commercial Toll Rates – Spring Valley Toll Gantry

Commercial Vehicle Class:		4H	5H	6H	7H
Current	NY E-ZPass Peak	$8.25	$13.50	$14.75	$16.50
	NY E-ZPass Off-Pk	$4.13	$6.75	$7.38	$8.25
	Non-NY E-ZPass	$9.49	$15.53	$16.96	$18.98
	Tolls By Mail	$10.73	$17.55	$19.18	$21.45
Proposed 2024	NY E-ZPass Peak	$8.66	$14.18	$15.49	$17.33
	NY E-ZPass Off-Pk	$4.33	$7.09	$7.75	$8.67
	Non-NY E-ZPass	$15.16	$24.82	$27.11	$30.33
	Tolls By Mail	$15.16	$24.82	$27.11	$30.33
$ Change current-2024	NY E-ZPass Peak	$0.41	$0.68	$0.74	$0.83
	NY E-ZPass Off-Pk	$0.21	$0.34	$0.37	$0.41
	Non-NY E-ZPass	$5.67	$9.29	$10.15	$11.35
	Tolls By Mail	$4.43	$7.27	$7.93	$8.88
% Change current-2024	NY E-ZPass Peak	5%	5%	5%	5%
	NY E-ZPass Off-Pk	5%	5%	5%	5%
	Non-NY E-ZPass	60%	60%	60%	60%
	Tolls By Mail	41%	41%	41%	41%
Proposed 2027	NY E-ZPass Peak	$9.09	$14.89	$16.26	$18.20
	NY E-ZPass Off-Pk	$4.55	$7.45	$8.13	$9.10
	Non-NY E-ZPass	$15.91	$26.06	$28.46	$31.85
	Tolls By Mail	$15.91	$26.06	$28.46	$31.85
$ Change 2024-2027	NY E-ZPass Peak	$0.43	$0.71	$0.77	$0.87
	NY E-ZPass Off-Pk	$0.22	$0.36	$0.39	$0.44
	Non-NY E-ZPass	$0.75	$1.24	$1.35	$1.52
	Tolls By Mail	$0.75	$1.24	$1.35	$1.52
% Change 2024-2027	NY E-ZPass Peak	5%	5%	5%	5%
	NY E-ZPass Off-Pk	5%	5%	5%	5%
	Non-NY E-ZPass	5%	5%	5%	5%
	Tolls By Mail	5%	5%	5%	5%

Table 46: Changes in Commercial Toll Rates – Gov. Mario M. Cuomo Bridge Toll Gantry

Commercial Vehicle Class:		4H	5H	6H	7H
Current	NY E-ZPass Peak	$29.96	$55.77	$69.82	$83.87
	NY E-ZPass Off-Pk	$14.98	$27.89	$34.91	$41.94
	Non-NY E-ZPass	$34.45	$64.14	$80.30	$96.45
	Tolls By Mail	$38.95	$72.51	$90.77	$109.03
Proposed 2024	NY E-ZPass Peak	$32.57	$60.62	$75.89	$91.16
	NY E-ZPass Off-Pk	$16.29	$30.31	$37.95	$45.58
	Non-NY E-ZPass	$57.00	$106.09	$132.81	$159.53
	Tolls By Mail	$57.00	$106.09	$132.81	$159.53
$ Change current-2024	NY E-ZPass Peak	$2.61	$4.85	$6.07	$7.29
	NY E-ZPass Off-Pk	$1.31	$2.42	$3.04	$3.64
	Non-NY E-ZPass	$22.55	$41.95	$52.51	$63.08
	Tolls By Mail	$18.05	$33.58	$42.04	$50.50
% Change current-2024	NY E-ZPass Peak	9%	9%	9%	9%
	NY E-ZPass Off-Pk	9%	9%	9%	9%
	Non-NY E-ZPass	65%	65%	65%	65%
	Tolls By Mail	46%	46%	46%	46%
Proposed 2025	NY E-ZPass Peak	$35.18	$65.47	$81.96	$98.45
	NY E-ZPass Off-Pk	$17.59	$32.74	$40.98	$49.23
	Non-NY E-ZPass	$61.57	$114.57	$143.43	$172.29
	Tolls By Mail	$61.57	$114.57	$143.43	$172.29
$ Change 2024-2025	NY E-ZPass Peak	$2.61	$4.85	$6.07	$7.29
	NY E-ZPass Off-Pk	$1.30	$2.43	$3.03	$3.65
	Non-NY E-ZPass	$4.57	$8.48	$10.62	$12.76
	Tolls By Mail	$4.57	$8.48	$10.62	$12.76
% Change 2024-2025	NY E-ZPass Peak	8%	8%	8%	8%
	NY E-ZPass Off-Pk	8%	8%	8%	8%
	Non-NY E-ZPass	8%	8%	8%	8%
	Tolls By Mail	8%	8%	8%	8%

Commercial Vehicle Class:		4H	5H	6H	7H
Proposed 2026	NY E-ZPass Peak	$37.79	$70.32	$88.03	$105.74
	NY E-ZPass Off-Pk	$18.90	$35.16	$44.02	$52.87
	Non-NY E-ZPass	$66.13	$123.06	$154.05	$185.05
	Tolls By Mail	$66.13	$123.06	$154.05	$185.05
$ Change 2025-2026	NY E-ZPass Peak	$2.61	$4.85	$6.07	$7.29
	NY E-ZPass Off-Pk	$1.31	$2.42	$3.04	$3.64
	Non-NY E-ZPass	$4.56	$8.49	$10.62	$12.76
	Tolls By Mail	$4.56	$8.49	$10.62	$12.76
% Change 2025-2026	NY E-ZPass Peak	7%	7%	7%	7%
	NY E-ZPass Off-Pk	7%	7%	7%	7%
	Non-NY E-ZPass	7%	7%	7%	7%
	Tolls By Mail	7%	7%	7%	7%
Proposed 2027	NY E-ZPass Peak	$40.40	$75.17	$94.10	$113.03
	NY E-ZPass Off-Pk	$20.20	$37.59	$47.05	$56.52
	Non-NY E-ZPass	$70.70	$131.55	$164.68	$197.80
	Tolls By Mail	$70.70	$131.55	$164.68	$197.80
$ Change 2026-2027	NY E-ZPass Peak	$2.61	$4.85	$6.07	$7.29
	NY E-ZPass Off-Pk	$1.30	$2.43	$3.03	$3.65
	Non-NY E-ZPass	$4.57	$8.49	$10.63	$12.75
	Tolls By Mail	$4.57	$8.49	$10.63	$12.75
% Change 2026-2027	NY E-ZPass Peak	7%	7%	7%	7%
	NY E-ZPass Off-Pk	7%	7%	7%	7%
	Non-NY E-ZPass	7%	7%	7%	7%
	Tolls By Mail	7%	7%	7%	7%

Commercial vehicles in New York are required to pay a state ton-mile tax related to annual miles traveled and weight of load carried. The statute allows for these vehicles to receive a credit for toll-paid mileage on the Thruway, which is taken into consideration in the route choice analysis presented in Section 4.2.

As the costs of operation are reflected in the shipping rates, the impacts of increasing commercial vehicle tolls, which represent a small percentage of the total shipping expense, would likely be passed on to the customers and dispersed among the regional economy. The extent of the impact of increased trucking costs on the trucking industry or their customers can be seen by comparing the additional toll charge to the total operating costs of the truckers. According to the American Transportation Research Institute the average marginal cost for operating a truck in 2021 was $1.855 per mile.[4] This includes the driver and vehicle-based costs, such as fuel, repair and maintenance, tires, driver's wages, and benefits. On the controlled system, the largest total toll modification for a commercial vehicle is $0.262 per mile between now and 2027, an increase of 68 percent (Table 41, Class 7H Non-NY E-ZPass). When compared to the 2018 average marginal cost per mile, this amount represents an additional 14 percent. On the GMMCB, this increase is more significant, though difficult to compare on a per mile basis.

The increased tolls would generally be passed through the supply chain to the users of the products. However, not all costs can be directly passed on to the consumer. In some cases, the carrier may have a contracted rate for shipping the products and cannot "pass along" the additional cost until such time as they renegotiate or obtain new contracts. In other cases, the producer of the product has a fixed price to the end user, which is sometimes found in the agricultural industry. In these cases, the additional cost is borne by the producer of the product.

A comparison of the recent fluctuations in the cost of diesel fuel with the proposed toll increase may provide context to the potential economic impacts to commercial vehicles. A change of 60¢ per gallon represents a variation of 12¢ per mile for a large tractor-trailer combination that gets five miles to the gallon. This represents about half of the net impact that would result from the largest proposed toll adjustment on the mainline ($0.262 increase for 7H Non-NY E-ZPass Mail vehicles). Variations in the price of diesel fuel of this magnitude or larger have been common in the last few years.

7.6 REDUCTION OF NEGATIVE IMPACTS

The Authority continually monitors bridge and pavement conditions on the Thruway and, through its asset management program, can predict when maintenance and rehabilitation are needed and prioritize projects for its Capital Program. The current program is primarily focused on pavement resurfacing/replacement and bridge repair/replacement projects.

Without the revenues from the proposed toll modification, the current Capital Program could not be fully implemented. Deteriorating infrastructure that is not repaired or replaced would lead to potential safety issues, lane closures, and delays that would have a direct negative effect on all Thruway users, especially in heavily-traveled areas Increased travel costs would affect businesses and industries throughout the region and would result in higher costs for consumers. The implementation of the toll modifications would assure that the Thruway continues to fulfill its role in supporting the State's economy.

[4] American Transportation Research Institute. *An Analysis of the Operational Costs of Trucking:2022 Update. (August 2022)* https://truckingresearch.org/2022/08/10/an-analysis-of-the-operational-costs-of-trucking-2022-update/

7.7 ECONOMIC BENEFITS OF THRUWAY CAPITAL PROGRAM

The increase in toll rates is proposed to fund the Multi-Year Capital Program for needed rehabilitation, maintenance, and other improvements. The Capital Program includes projects to maintain the roadway and bridges in good condition, as well as to improve traffic flow. Without the toll modification, the current Multi-Year Capital Program could not be fully implemented, resulting in deterioration of pavement and bridge conditions and increased congestion that would negatively affect the safety and level of service experienced by Thruway customers. Congestion and resulting delays that would occur without the toll modifications would impact the local and state-wide economy. Travel delays have a direct negative impact on all Thruway users in heavily traveled areas, increasing travel costs that affect business and industries that result in higher costs for consumers. As part of the Capital Program, congestion relief improvements would be constructed, resulting in economic benefits to the Thruway users in terms of reduced fuel costs and time-savings. The implementation of the toll modifications would assure that the Thruway continues to fulfill its role in supporting the State's economy.

As part of recent Capital Programs, high-speed cashless tolling has now been fully implemented on the controlled system, as it was implemented several years earlier at the barrier system toll gantries. It is expected that this recent change has resulted in significant economic benefits to the Thruway users in terms of reduced fuel costs and time-savings resulting from no longer needing to stop at toll collection points.

7.8 CREATION OF JOBS

In dynamic economic conditions, the highway and bridge systems managed by the Authority are essential to supporting businesses and communities across the State. They are key arteries of commerce, and they transport products, facilitate tourism and recreational activities, and connect residents with their workplaces, all of which generate economic activity. The Authority's investments in ongoing operation and maintenance of the Thruway's highway and bridge system and investments in capital improvements generate substantial economic activity.

The proposed toll modifications were designed to support the financial needs of the Authority including its 2023-2027 $1.9 billion Capital Program. According to data from the FHWA and the White House Council of Economic Advisors ("CEA"), approximately 13,000 full-time jobs are supported by each $1 billion of highway investment.

According to data from the Association of General Contractors, every $1 billion of highway investment supports approximately 12,216 direct jobs, 5,830 indirect jobs and 18,046 induced jobs. Direct jobs are those held by workers employed at highway construction sites, including laborers, specialists, engineers, and managers. Indirect jobs are those held by workers in industries that supply highway construction manufacturers with materials, including those involved in lumber, steel, concrete and cement products, and by offsite construction industry workers, including administrative, clerical, and managerial workers. Induced jobs are those jobs supported throughout the economy when highway construction industry employees spend their earnings.

8.0 OTHER CONSIDERATIONS

As previously noted, no construction is associated with the proposed toll modifications. Therefore, the toll modifications are not expected to have a significant adverse impact on natural resources, water quality, historic/cultural resources, open space, community facilities, hazardous materials, waste disposal, coastal resources, or other areas of potential environmental concern.

The following section discusses other environmental considerations evaluated including noise impacts, toll plaza/gantry operations, land use and community character, energy use impacts, and smart growth.

8.1 NOISE

For state funded projects, the Authority follows the NYSDOT policy, "Noise Analysis Policy and Procedures," dated April 2011 for highway projects. The NYSDOT policy is based on the FHWA regulations. Per NYSDOT guidance, the proposed toll modification, while not a highway project, could be classified as a Type III project since the project does not involve the construction of new highway, substantial horizontal or vertical alteration, the addition of travel lanes, or the addition or substantial alteration of a toll plaza. Type III projects do not require a noise analysis or consideration of noise abatement measures.

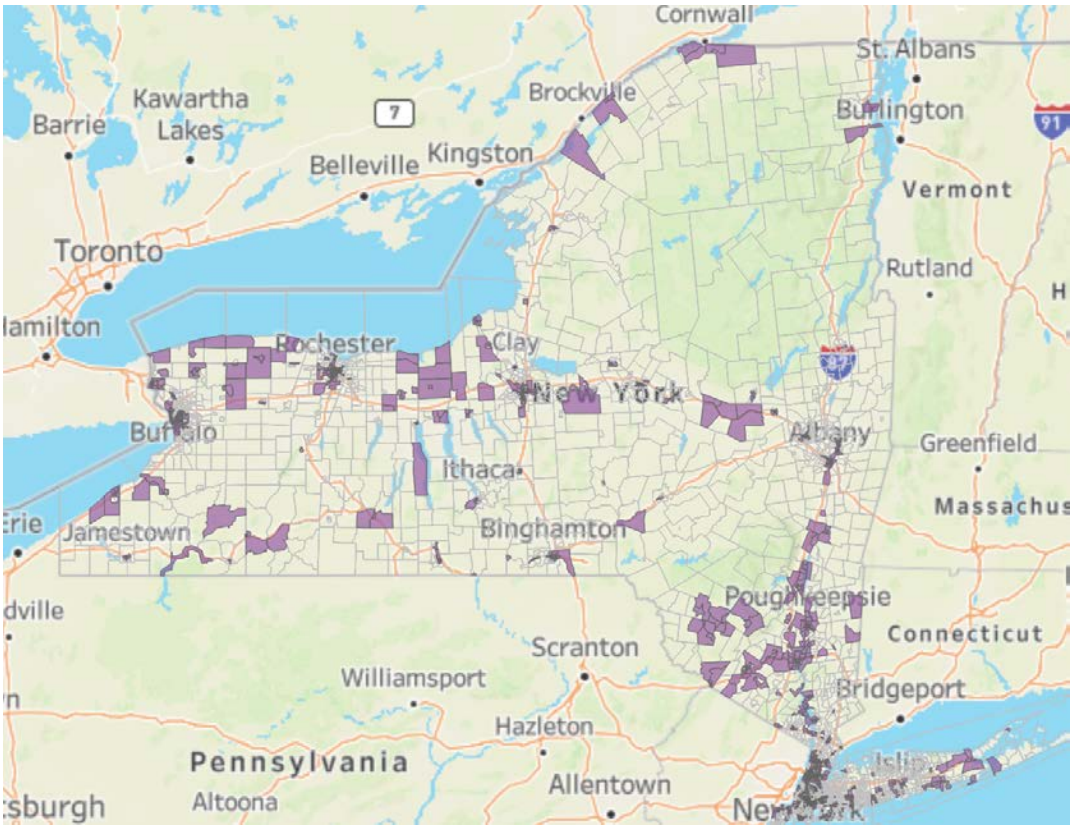
The potential for noise impacts from the proposed toll modification were considered in accordance with SEQRA, and the potential for noise impacts from traffic diverting to alternate routes was evaluated. As a general rule of thumb, a three-decibel increase, which represents the smallest noise level change that can be detected by the human ear, could only occur if traffic volumes were to double (an increase of 100 percent)[5]. The highest predicted potential increase in traffic volume onto a diversion route is approximately 188 two-way vehicles in the peak hour, resulting in an increase of approximately 9 percent of traffic on one of the alternate routes, but only if *all* traffic were to be diverted to that route. In general, the average predicted diversion of two-way traffic volume onto parallel alternate routes is approximately 89 vehicles, resulting in an average increase in alternate route traffic volume during the peak hour of about 1.8 percent. Since the anticipated diversions are expected to be minor and would not significantly alter the mix of vehicle classes or speeds that currently exist on the diversion routes, the toll modifications would not result in significant adverse impacts to noise.

8.2 ENVIRONMENTAL JUSTICE/CLIMATE ACT

New York State's Climate Act went into effect in 2020. The Climate Act is meant to address inequity with regards to climate change to ensure that disadvantaged communities – those disproportionately impacted by climate change and air pollution – would benefit from the State's transition to cleaner energy, and the reduced pollution and economic opportunities it affords. These disadvantaged communities ("DACs") as identified by the Climate Justice Working Group are shown in Figure 16. Parts of the Thruway and its diversion routes pass through some of these DACs.

[5] *Traffic Noise & Transportation,* Center for Environmental Excellence by AASHTO, https://environment.transportation.org/education/environmental-topics/traffic-noise/traffic-noise-overview/

Figure 16: New York Climate Act Disadvantaged Communities



As determined in Chapter 6, the proposed toll modifications are not anticipated to have a significant adverse impact on local pollutant concentrations or contribute to a significant increase in regional emissions. Increases in traffic on local highways would not reach critical emission thresholds, contributing only negligible air quality changes as a percentage of regional transportation-based emissions. In addition, since no physical construction is associated with this regulation, in relation to climate change, any potential impacts from a rise in sea level or river flooding are not anticipated or applicable.

Since it has been concluded in this study that the proposed toll rate modifications would lead only to minor traffic shifts, and therefore not result in significant environmental impacts to any area in the state, it can also be concluded that the proposed toll rate modifications would not result in significant adverse impacts on Climate Act DACs.

8.3 TOLL PLAZA/GANTRY OPERATIONS

In the past, Environmental Assessments completed for proposed Authority toll modifications included analysis of queueing and processing times at the affected toll plazas and estimated the impact. Because all tolling points have now been converted from conventional toll plazas to cashless tolling gantries, all vehicles now travel at highway speeds without stopping to pay and are charged tolls through E-ZPass or identified by license plate and charged through the Tolls by Mail process. No effects at any of the toll locations are anticipated.

8.4 LAND USE AND COMMUNITY CHARACTER

No direct impact on land use and community character is anticipated. Most of the limited diversions would occur along arterials or expressways and because no significant traffic, air quality, or noise impacts would be associated with these diversions, no significant adverse indirect impacts to land use and community character would arise as a result of the proposed toll modifications.

8.5 ENERGY USE

Overall, the net change in fuel consumption is not expected to be significant. The diversion routes may not be as direct as the Thruway resulting in longer travel distances, resulting in a minimal increase in the total vehicle miles traveled and minimal increase in fuel consumption. Overall, the proposed toll modifications would result in only a minor increase in fuel consumption for diverted traffic.

Drivers who continue to use the Thruway would see benefits in terms of energy use. Note that this is not directly due to the proposed toll modification, but to the recent conversion to cashless tolling. This conversion of all toll plazas to cashless tolling, funded through the Capital Program, has eliminated toll payment transaction times entirely. This has a beneficial economic impact to Thruway motorists in terms of time savings and reduced energy use.

8.6 CONSISTENCY WITH STATE COASTAL ZONE MANAGEMENT POLICIES

There are a number of designated Local Waterfront Revitalization Program ("LWRP") areas located within the Thruway corridor. Additionally, the potential diversion routes, resulting from the toll modifications, fall within some of the designated LWRP areas. The project has been reviewed against the policies of the coastal zone management program and it has been found to be consistent with these policies. As such, A Coastal Zone Assessment Form has been prepared and made part of the Environmental Assessment in accordance with Title 19 of the NYCRR Part 600.

The toll modification does not involve physical changes to either the Thruway or the diversion routes. Since it has been concluded that the proposed toll rate modifications would not result in significant environmental impacts along the Thruway or its diversion routes anywhere throughout the state, it can also be concluded that the proposed toll rate modifications would not result in significant adverse impacts on areas with an approved LWRP, including coastal areas, scenic areas of statewide significance, significant fish and wildlife habitats, or important agricultural lands. As such, the project has been found to be consistent with the New York State Coastal Management Program.

8.7 NEW YORK STATE SMART GROWTH PUBLIC INFRASTRUCTURE POLICY ACT

Under the New York State Smart Growth Public Infrastructure Policy Act, no State infrastructure agency shall approve, undertake, support, or finance a public infrastructure project, unless, to the extent practicable, the public infrastructure project is consistent with its Smart Growth Infrastructure Criteria, as applicable. The Authority has developed a policy to ensure compliance with this act. Smart Growth Impact Statements ("SGIS") are prepared for projects in the Authority's Contracts Program. Based on the SGIS that has been prepared for the proposed action, the toll modifications would be consistent with the State Smart Growth Public Infrastructure Criteria.

8.8 COLLECTIVE AND CUMULATIVE IMPACTS

in accordance with Title 16 of the NYCRR 617(c)(1)(xi), the proposed toll modifications does not impact two or more elements of the environment that, collectively, would result in a substantial adverse environmental impact. No construction is associated with the toll modifications and no impacts are anticipated from air or noise. Traffic impacts resulting from diversion off of the Thruway are very minor. Adverse economic impacts are also very minor, especially for the typical customer, and are mitigated by the economic benefits of the toll modification, namely, the provision of needed financing to the Authority's Capital Plan to keep the Thruway's highways and bridges in a state of good repair, ensuring safe and efficient travel improvements to roadways and bridges, and job creation from infrastructure investment.

The proposed toll modification was also reviewed with consideration of any potential cumulative impacts, or impacts resulting from multiple actions on the same resource(s), as per Title 16 of the NYCRR 617(c)(1)(xii). This regulation notes that cumulative impacts can result from actions which individually produce minor impacts, but cumulatively result in significant impacts over time. No past or future actions are known that, in combination with the proposed toll modifications, are anticipated to produce significant impacts.

9.0 GLOSSARY OF TERMS

µg/m – micrograms per cubic meter (concentration)

AAA – American Automobile Association

AADT – Average Annual Daily Traffic. Total traffic over a year divided by 365 days in the year.

AETC – All Electronic Toll Collection, also known as cashless tolling

Arterial, Major – A two- to six- lane roadway that functions as a primary travel route within an area which has somewhat limited access and may be interrupted by traffic signals.

Arterial, Medium – A two- to six- lane roadway which is a primary travel route and has less access control and more traffic signals than a major arterial.

Arterial, Minor – A two-lane roadway which is not a primary travel route, does not have limited access, and may be interrupted by traffic signals.

ATRI – American Transportation Research Institute

Barrier System – Tolls have a single rate for vehicles of the same payment class that pass under a specific gantry. Not distance based.

BTS – Bureau of Transportation Statistics

CAA- Clean Air Act

CEA- Council of Economic Advisors

CEQR – (New York) City Environmental Quality Review

CFR – Code of Federal Regulations

CO – carbon monoxide

Commercial Volume Discount Program (CVD) – A discount program offered by the New York State Thruway Authority

Controlled System or Controlled Ticket System – A toll system where tolls are based on mileage traveled, based on point of entry into the system and point of exit from the system.

Cost per mile – The ratio of the driver cost to the mileage driven. Cost per mile on a toll facility is the total toll paid divided by the mileage driven on the facility.

DMV– Department of Motor Vehicles

Elasticity – Elasticity, as used herein, is the relationship between changes in traffic brought about by varying the toll:

e = (percent change in volume*) ÷ (percent change in toll**)

*relative to the volume at the lower toll

**relative to the lower toll

EPA – (U.S.) Environmental Protection Agency

Expressway/Regional Arterial – A four-to six-lane roadway, generally with a median, partially controlled access and a few traffic signals. See “Arterial”

FHWA – Federal Highway Administration

Freeway – A high speed, limited access roadway with four or more lanes.

GHG-Greenhouse Gases

GMMCB – Governor Mario M. Cuomo Bridge. This bridge replaced the Tappan Zee Bridge which closed to traffic in 2017 and was demolished in 2019.

HOV – High Occupancy Vehicle lanes

HPMS – Highway Performance Monitoring System

ICG – Interagency Consultation Group, a group designated by New York State for consultation on issues of regional air quality conformity

LCV – longer combination vehicles, tandem combinations of two trailers up to 48 feet each in length

Level of Service (LOS) – A qualitative assessment of a road's operating conditions, denoted on a scale of A to F, with free-flow being rated LOS-A and congested conditions rated as LOS-F.

M^3 – cubic meter (volume)

MPO - Metropolitan Planning Organization - a local decision-making body that is responsible for overseeing the metropolitan transportation planning process.

MSAT – Mobile Source Air Toxics

NAAQS – National Ambient Air Quality Standards

NEPA – National Environmental Policy Act

NO_x–Nitrogen Oxides

NYBPM – New York Best Practice Model. This regional travel forecasting model was developed by NYMTC and covers the New York City metropolitan area.

NYCRR – New York Codes, Rules, and Regulations

NYMTC – New York Metropolitan Transportation Council, the designated MPO for New York City, Long Island, and the lower Hudson Valley

NYSDEC – New York State Department of Environmental Conservation

NYSDOT – New York State Department of Transportation

O_3 – Ozone

OCTC – Orange County Transportation Council

PCE – Passenger car equivalent. Since trucks take up more space on the road than cars, a PCE factor is used to convert trucks into an equivalent number of cars.

Peak Hour – Hour(s) during which traffic congestion on a road is at its highest.

PM – particulate matter

PM_x– particulate matter with an aerodynamic diameter smaller than x micrometers

ppb – parts per billion (concentration)

ppm– parts per million (concentration)

SEQRA – State Environmental Quality Review Act

SGIS – Smart Growth Impact Statements

SIP – State Implementation Plan

SO2 – Sulfur dioxide

SUV – Sport Utility Vehicle

TEM – The Environmental Manual, published by NYSDOT

TIP – Transportation Improvement Plan

Toll Diversion – The amount of traffic leaving a toll facility due to increased tolls

Toll Diversion Model – a mathematical tool created to forecast traffic and revenue, taking into the effects of toll changes and how they divert traffic off a toll facility. A toll diversion model uses past trends to forecast future conditions, and takes into account different toll elasticity for different vehicle types, payment methods, and toll facilities.

Toll Modification – Change to toll rates

Tolls by Mail (TBM) – The name of the program for collecting tolls based on license plate images captured by equipment installed on overhead gantries, which allows cashless tolling. Vehicles are identified by license plate and mailed a toll invoice.

Traffic Diversion – The amount of traffic that shifts to an alternative route due to some deterring factor on the route of first choice (i.e. toll collection).

Travel Time – The time it takes to travel between two points (example: the time it takes to travel from Exit A to Exit B).

Trip Purpose – The reason for a trip to be traveling between a specific zone pair.

Vehicle Classification – A method of grouping vehicles by type; classification systems vary by agency. The New York State Thruway Authority classifies vehicles generally by height and number of axles. A “2L” vehicle is a 2-axle passenger car. A “5H” vehicle is a 5-axle truck.

Value of Time (VOT) – Estimated value of a driver’s time which is generally related to a commercial driver’s salary or individual driver’s household income

Vehicle Trip – A single or one-direction vehicle movement

VMT, or Vehicle-Miles Traveled - The cumulative vehicle mileage traveled by all vehicles within or on a roadway system. For example, on the Thruway Mainline, since the toll is distance-based, the Authority is able to calculate statistics for the number of miles traveled by each vehicle, and by adding them together, can calculate the total number of vehicle miles driven on the mainline system over a defined period of time.

VOC – volatile organic compounds.

Volume to Capacity Ratio (V/C) – The ratio which calculates what portion of a roadway capacity the traffic volume demands. A ratio of greater than 1.0 indicates that the demand for a roadway exceeds the capacity of the roadway.

Appendix A:
Alternative Route Analysis

Best Route Choice Analysis Results

Class 2L **NY E-ZPass**

			Impacts on Drivers as a Function of Value of Time															
			Value of time $/h = 12			Value of time $/h = 18			Value of time $/h = 25			Value of time $/h = 30			Value of time $/h = 40		
Origin	Destination	Route	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	-	-	0	Best	Best	0	-	Best	1	-	-	0	-	-	0
Manchester, NH	Skaneateles	I-90 (Exit 34A)	-	-	0	-	-	0	Best	-	1	Best	Best	0	Best	Best	0
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	Best	Best	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	US-20 (from w of Boston)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 (Exit 36)	-	-	0	-	-	0	-	-	0	Best	Best	0	Best	Best	0
Manchester, NH	Syracuse	VT-9 and US-20	Best	Best	0	Best	Best	0	Best	Best	0	-	-	0	-	-	0
Manchester, NH	Syracuse	MA-2 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	I-90 (Exit 46)	-	-	0	-	-	0	Best	Best	0	Best	Best	0	Best	Best	0
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	VT-9, US-20, NY 104	Best	Best	0	Best	Best	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-90 (Exit 51)	-	-	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	US - 20(VT-9)	Best	Best	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	Best	Best	0	Best	Best	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90	-	-	0	-	-	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	Best	Best	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-90 (Exit 36)	-	-	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	NY-145 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	US-20 (entire route)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	US - 20 and I-88	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-90 (Exit 45)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	US - 20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-90	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	NY-5 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	US - 20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	-	-	0	-	-	0	Best	-	1	Best	-	1	Best	-	1
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	Best	Best	0	Best	Best	0	-	Best	1	-	Best	1	-	Best	1
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Albany	Buffalo	I-90	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Albany	Buffalo	US20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Rochester	Erie	I-90 (Exit 46 to PA Line)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Rochester	Erie	I390 and I86 (I390,408,19,I86)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I-81(I81,I690,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I390 (I86,I390,63)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
				Changes	0		Changes	0		Changes	2		Changes	1		Changes	1
				Average Delta			Average Delta			Average Delta			Average Delta			Average Delta	
				$ 0.55	0.19%		$ 0.67	0.21%		$ 0.82	0.23%		$ 0.89	0.23%		$ 0.93	0.22%

Value of Time $/h = 12

Class 2L Vehicles Paying with a NY E-ZPass

Cost/h VOT = >>	$ 12.00
Cost/mile	$ 0.76

Impacts on Drivers — Value of Time $/h = 12

Origin	Destination	Route	Time hours	Time minutes	Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 76.60	$ 267.78	$ 351.28	$ 2.59	0.00	$ 351.52	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 8.10	$ 12.65	0%	$ -	1.00	$ -	$ -	$ 67.40	$ 280.75	$ 360.80	$ 8.93	0.00	$ 361.63	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 76.00	$ 298.29	$ 381.19	$ 2.59	0.00	$ 381.43	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 75.20	$ 310.50	$ 392.60	$ 2.59	0.00	$ 392.84	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 94.07	$ 250.23	$ 345.30	$ -	0.00	$ 345.30	Best	Best	0	$ -	0.00%
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 113.39	$ 277.70	$ 392.09	$ -	0.00	$ 392.09	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 82.20	$ 333.39	$ 418.84	$ -	0.00	$ 418.84	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.15	$ -	$ -	$ 84.86	$ 257.10	$ 348.85	$ 2.59	0.00	$ 349.09	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 73.60	$ 300.58	$ 381.08	$ 2.59	0.00	$ 381.32	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 8.39	$ 12.94	0%	$ -	1.00	$ -	$ -	$ 61.80	$ 264.73	$ 339.47	$ 9.25	0.00	$ 340.33	-	-	0	-	-
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 84.18	$ 222.00	$ 307.18	$ -	0.00	$ 307.18	Best	Best	0	$ -	0.00%
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 92.69	$ 247.18	$ 340.87	$ -	0.00	$ 340.87	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 111.78	$ 266.25	$ 379.03	$ -	0.00	$ 379.03	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 11.94	$ 16.49	0%	$ -	1.00	$ -	$ -	$ 79.40	$ 331.86	$ 427.75	$ 13.16	0.00	$ 428.98	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 5.39	$ 9.94	0%	$ -	1.00	$ -	$ -	$ 90.40	$ 379.92	$ 480.26	$ 5.94	0.00	$ 480.82	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35		0%	$ -	1.00	$ -	$ -	$ 94.60	$ 395.18	$ 489.78	$ 2.59	0.00	$ 496.92	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 133.63	$ 334.15	$ 468.78	$ -	0.00	$ 468.78	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 111.09	$ 292.95	$ 404.04	$ -	0.00	$ 404.04	Best	Best	0	$ -	0.00%
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 100.60	$ 415.02	$ 518.87	$ -	0.00	$ 518.87	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 14.53	$ 19.08	0%	$ -	1.00	$ -	$ -	$ 88.40	$ 373.82	$ 481.30	$ 16.02	0.00	$ 482.79	-	-	0	-	-
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 105.20	$ 412.73	$ 524.83	$ 2.59	0.00	$ 525.07	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 129.95	$ 336.44	$ 466.39	$ -	0.00	$ 466.39	Best	Best	0	$ -	0.00%
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 111.60	$ 434.85	$ 549.70	$ -	0.00	$ 549.70	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 114.00	$ 445.53	$ 562.78	$ -	0.00	$ 562.78	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 15.48	$ 20.03	0%	$ -	1.00	$ -	$ -	$ 106.20	$ 447.06	$ 573.29	$ 17.07	0.00	$ 574.88	Best	Best	0	$ 1.59	0.28%
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 6.15	$ 13.95	0%	$ -	1.00	$ -	$ -	$ 118.20	$ 470.71	$ 602.86	$ 6.78	0.00	$ 603.49	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407)	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 10.90	0%	$ -	1.00	$ -	$ -	$ 120.60	$ 483.68	$ 615.18	$ 2.59	0.00	$ 615.42	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 1.00	0%	$ -	1.00	$ -	$ -	$ 113.20	$ 464.61	$ 578.81	$ -	0.00	$ 578.81	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 7.25	0%	$ -	1.00	$ -	$ -	$ 130.00	$ 510.38	$ 647.63	$ -	0.00	$ 647.63	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.15	$ -	$ -	$ 58.39	$ 176.99	$ 239.54	$ 2.59	0.00	$ 239.78	Best	Best	0	$ 0.24	0.10%
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 8.10	$ 9.90	0%	$ -	1.00	$ -	$ -	$ 45.80	$ 190.73	$ 246.43	$ 8.93	0.00	$ 247.26	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 56.40	$ 211.32	$ 271.87	$ 2.59	0.00	$ 272.11	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 54.20	$ 217.43	$ 275.78	$ 2.59	0.00	$ 276.02	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 74.52	$ 184.62	$ 259.14	$ -	0.00	$ 259.14	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 76.82	$ 181.57	$ 258.39	$ -	0.00	$ 258.39	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 69.92	$ 180.04	$ 249.96	$ -	0.00	$ 249.96	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 62.80	$ 248.71	$ 313.16	$ -	0.00	$ 313.16	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.15	$ -	$ -	$ 56.50	$ 166.31	$ 226.96	$ 2.59	0.00	$ 227.20	Best	Best	0	$ 0.24	0.11%
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 8.39	$ 10.19	0%	$ -	1.00	$ -	$ -	$ 42.20	$ 174.70	$ 227.09	$ 9.25	0.00	$ 227.95	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 55.20	$ 213.61	$ 272.96	$ 2.59	0.00	$ 273.20	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 53.00	$ 219.72	$ 276.87	$ 2.59	0.00	$ 277.11	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 72.68	$ 173.94	$ 246.62	$ -	0.00	$ 246.62	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 74.98	$ 170.89	$ 245.87	$ -	0.00	$ 245.87	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 80.50	$ 217.43	$ 297.93	$ -	0.00	$ 297.93	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 61.60	$ 250.99	$ 314.24	$ -	0.00	$ 314.24	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.15	$ -	$ -	$ 86.57	$ 243.37	$ 334.08	$ 2.59	0.00	$ 334.32	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 11.43	$ 13.23	0%	$ -	1.00	$ -	$ -	$ 58.00	$ 240.31	$ 311.54	$ 12.60	0.00	$ 312.72	Best	Best	0	$ 1.17	0.38%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 72.80	$ 301.35	$ 378.30	$ 2.59	0.00	$ 378.54	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 5.09	$ 6.89	0%	$ -	1.00	$ -	$ -	$ 68.60	$ 285.32	$ 360.81	$ 5.61	0.00	$ 361.34	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 100.05	$ 242.60	$ 342.65	$ -	0.00	$ 342.65	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 102.12	$ 240.31	$ 342.43	$ -	0.00	$ 342.43	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 80.60	$ 329.57	$ 411.82	$ -	0.00	$ 411.82	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 8.49	$ 10.29	0%	$ -	1.15	$ -	$ -	$ 84.67	$ 281.51	$ 376.47	$ 9.36	0.00	$ 377.34	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 14.53	$ 16.33	0%	$ -	1.00	$ -	$ -	$ 67.60	$ 283.04	$ 366.97	$ 16.02	0.00	$ 368.46	Best	Best	0	$ 1.49	0.41%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 8.49	$ 10.29	0%	$ -	1.00	$ -	$ -	$ 80.00	$ 323.47	$ 413.76	$ 9.36	0.00	$ 414.63	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 1.80	0%	$ -	1.00	$ -	$ -	$ 98.00	$ 324.23	$ 424.03	$ -	0.00	$ 424.03	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 125.35	$ 287.61	$ 412.96	$ -	0.00	$ 412.96	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 119.60	$ 283.80	$ 403.40	$ -	0.00	$ 403.40	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 90.00	$ 349.41	$ 441.06	$ -	0.00	$ 441.06	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 15.48	$ 17.28	0%	$ -	1.00	$ -	$ -	$ 87.80	$ 359.33	$ 464.41	$ 17.07	0.00	$ 465.99	Best	Best	0	$ 1.59	0.34%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 6.15	$ 11.20	0%	$ -	1.00	$ -	$ -	$ 97.40	$ 377.64	$ 486.24	$ 6.78	0.00	$ 486.87	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 8.39	$ 11.64	0%	$ -	1.00	$ -	$ -	$ 96.80	$ 374.58	$ 483.02	$ 9.25	0.00	$ 483.88	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 5.00	0%	$ -	1.15	$ -	$ -	$ 137.54	$ 361.61	$ 504.15	$ -	0.00	$ 504.15	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.30	$ 9.10	0%	$ -	1.00	$ -	$ -	$ 98.20	$ 394.42	$ 501.72	$ 3.64	0.00	$ 502.06	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 0.95	$ 8.40	0%	$ -	1.00	$ -	$ -	$ 106.20	$ 422.65	$ 537.25	$ 1.05	0.00	$ 537.34	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 5.52	$ 12.07	0%	$ -	1.00	$ -	$ -	$ 36.00	$ 135.80	$ 183.87	$ 6.09	0.00	$ 184.43	Best	Best	0	$ 0.57	0.31%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 1.19	$ 7.74	0%	$ -	1.15	$ -	$ -	$ 68.31	$ 135.80	$ 211.85	$ 1.31	0.00	$ 211.97	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 7.18	$ 13.73	0%	$ -	1.00	$ -	$ -	$ 35.80	$ 139.61	$ 189.14	$ 7.92	0.00	$ 189.88	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 1.66	$ 9.86	0%	$ -	1.15	$ -	$ -	$ 58.65	$ 142.66	$ 211.17	$ 1.83	0.00	$ 211.34	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 5.52	$ 26.82	0%	$ -	1.00	$ -	$ -	$ 36.80	$ 135.80	$ 199.42	$ 6.09	0.00	$ 199.98	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 6.94	$ 13.49	0%	$ -	1.15	$ -	$ -	$ 66.70	$ 136.56	$ 216.75	$ 9.06	0.00	$ 218.87	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 11.27	$ 17.82	0%	$ -	1.00	$ -	$ -	$ 35.60	$ 139.61	$ 193.03	$ 13.84	0.00	$ 195.60	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 4.20	$ 12.40	0%	$ -	1.00	$ -	$ -	$ 36.60	$ 143.43	$ 192.43	$ 4.63	0.00	$ 192.86	Best	Best	0	$ 0.43	0.22%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 5.52	$ 5.52	0%	$ -	1.00	$ -	$ -	$ 33.00	$ 122.83	$ 161.35	$ 6.09	0.00	$ 161.91	Best	Best	0	$ 0.57	0.35%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 58.80	$ 207.51	$ 266.31	$ -	0.00	$ 266.31	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 12.18	$ 12.18	0%	$ -	1.00	$ -	$ -	$ 50.40	$ 222.00	$ 284.58	$ 13.43	0.00	$ 285.83	Best	Best	0	$ 1.25	0.44%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 64.80	$ 256.33	$ 321.13	$ -	0.00	$ 321.13	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 80.04	$ 212.09	$ 292.13	$ -	0.00	$ 292.13	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 4.98	$ 4.98	0%	$ -	1.00	$ -	$ -	$ 30.60	$ 112.91	$ 148.49	$ 5.49	0.00	$ 149.00	Best	Best	0	$ 0.51	0.34%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	2	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 0.38	$ 0.38	0%	$ -	1.00	$ -	$ -	$ 35.80	$ 119.01	$ 155.19	$ 0.42	0.00	$ 155.23	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 60.00	$ 237.26	$ 298.51	$ -	0.00	$ 298.51	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 14.33	$ 14.33	0%	$ -	1.00	$ -	$ -	$ 65.80	$ 282.27	$ 362.40	$ 15.80	0.00	$ 363.87	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 2.74	$ 3.99	0%	$ -	1.00	$ -	$ -	$ 63.80	$ 255.57	$ 323.36	$ 3.02	0.00	$ 323.64	Best	Best	0	$ 0.28	0.09%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 65.20	$ 270.83	$ 337.28	$ -	0.00	$ 337.28	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 17.43	$ 17.43	0%	$ -	1.00	$ -	$ -	$ 77.20	$ 331.10	$ 425.73	$ 19.22	0.00	$ 427.52	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 5.84	$ 7.09	0%	$ -	1.00	$ -	$ -	$ 78.40	$ 305.16	$ 390.65	$ 6.44	0.00	$ 391.25	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 75.60	$ 289.90	$ 366.75	$ -	0.00	$ 366.75	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 4.84	$ 4.84	0%	$ -	1.00	$ -	$ -	$ 31.00	$ 123.59	$ 159.43	$ 5.34	0.00	$ 159.93	Best	Best	0	$ 0.50	0.31%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 44.20	$ 157.92	$ 202.12	$ -	0.00	$ 202.12	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 49.91	$ 122.83	$ 172.74	$ -	0.00	$ 172.74	-	-	0	-	-
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 4.49	$ 4.49	0%	$ -	1.00	$ -	$ -	$ 34.40	$ 141.14	$ 180.03	$ 4.95	0.00	$ 180.49	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 2.82	$ 2.82	0%	$ -	1.15	$ -	$ -	$ 38.68	$ 125.88	$ 167.38	$ 3.11	0.00	$ 167.67	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 33.20	$ 128.17	$ 161.37	$ -	0.00	$ 161.37	Best	Best	0	$ -	0.00%
																							# Changes	0	Average Delta		
																									$ 0.55	0.19%

Value of Time $/h = 18

Class 2L Vehicles Paying with a NY E-ZPass

Cost/h VOT = >>	$ 18.00
Cost/mile	$ 0.76

Origin	Destination	Route	Time		Distance (Mi)	Additional Route Detail				Toll Rates		Impact Factors			Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	Impacts on Drivers					
			hours	minutes		NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay						New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
																				Value of Time $/h = 18						
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 114.90	$ 267.78	$ 389.58	$ 2.59	0.00	$ 389.82	Best	Best	0	$ 0.24	0.06%
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 8.10	$ 12.65	0%	$ -	1.00	$ -	$ -	$ 101.10	$ 280.75	$ 394.50	$ 8.93	0.00	$ 395.33	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 114.00	$ 298.29	$ 419.19	$ 2.59	0.00	$ 419.43	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 112.80	$ 310.50	$ 430.20	$ 2.59	0.00	$ 430.44	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 141.11	$ 250.23	$ 392.34	$ -	0.00	$ 392.34	-	-	0	-	-
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 170.09	$ 277.70	$ 448.78	$ -	0.00	$ 448.78	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 123.30	$ 333.39	$ 459.94	$ -	0.00	$ 459.94	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.15	$ -	$ -	$ 127.28	$ 257.10	$ 391.28	$ 2.59	0.00	$ 391.52	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 110.40	$ 300.58	$ 417.88	$ 2.59	0.00	$ 418.12	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 8.39	$ 12.94	0%	$ -	1.00	$ -	$ -	$ 92.70	$ 264.73	$ 370.37	$ 9.25	0.00	$ 371.23	-	-	0	-	-
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 126.27	$ 222.00	$ 349.27	$ -	0.00	$ 349.27	Best	Best	0	$ -	0.00%
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 139.04	$ 247.18	$ 387.21	$ -	0.00	$ 387.21	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 167.67	$ 266.25	$ 434.92	$ -	0.00	$ 434.92	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 11.94	$ 16.49	0%	$ -	1.00	$ -	$ -	$ 119.10	$ 331.86	$ 467.45	$ 13.16	0.00	$ 468.68	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 5.39	$ 9.94	0%	$ -	1.00	$ -	$ -	$ 135.60	$ 379.92	$ 525.46	$ 5.94	0.00	$ 526.02	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35		0%	$ -	1.00	$ -	$ -	$ 141.90	$ 395.18	$ 537.08	$ 2.59	0.00	$ 544.22	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 200.45	$ 334.15	$ 535.60	$ -	0.00	$ 535.60	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 166.64	$ 292.95	$ 459.59	$ -	0.00	$ 459.59	Best	Best	0	$ -	0.00%
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 150.90	$ 415.02	$ 569.17	$ -	0.00	$ 569.17	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 14.53	$ 19.08	0%	$ -	1.00	$ -	$ -	$ 132.60	$ 373.82	$ 525.50	$ 16.02	0.00	$ 526.99	Best	Best	0	$ 1.49	0.28%
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 157.80	$ 412.73	$ 577.43	$ 2.59	0.00	$ 577.67	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 194.93	$ 336.44	$ 531.36	$ -	0.00	$ 531.36	-	-	0	-	-
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 167.40	$ 434.85	$ 605.50	$ -	0.00	$ 605.50	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 171.00	$ 445.53	$ 619.78	$ -	0.00	$ 619.78	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 15.48	$ 20.03	0%	$ -	1.00	$ -	$ -	$ 159.30	$ 447.06	$ 626.39	$ 17.07	0.00	$ 627.98	Best	Best	0	$ 1.59	0.25%
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 6.15	$ 13.95	0%	$ -	1.00	$ -	$ -	$ 177.30	$ 470.71	$ 661.96	$ 6.78	0.00	$ 662.59	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 10.90	0%	$ -	1.00	$ -	$ -	$ 180.90	$ 483.68	$ 675.48	$ 2.59	0.00	$ 675.72	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 1.00	0%	$ -	1.00	$ -	$ -	$ 169.80	$ 464.61	$ 635.41	$ -	0.00	$ 635.41	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 7.25	0%	$ -	1.00	$ -	$ -	$ 195.00	$ 510.38	$ 712.63	$ -	0.00	$ 712.63	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.15	$ -	$ -	$ 87.59	$ 176.99	$ 268.73	$ 2.59	0.00	$ 268.97	Best	Best	0	$ 0.24	0.09%
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 8.10	$ 9.90	0%	$ -	1.00	$ -	$ -	$ 68.70	$ 190.73	$ 269.33	$ 8.93	0.00	$ 270.16	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 84.60	$ 211.32	$ 300.07	$ 2.59	0.00	$ 300.31	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 81.30	$ 217.43	$ 302.88	$ 2.59	0.00	$ 303.12	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 111.78	$ 184.62	$ 296.40	$ -	0.00	$ 296.40	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 115.23	$ 181.57	$ 296.80	$ -	0.00	$ 296.80	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 104.88	$ 180.04	$ 284.92	$ -	0.00	$ 284.92	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 94.20	$ 248.71	$ 344.56	$ -	0.00	$ 344.56	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.15	$ -	$ -	$ 84.75	$ 166.31	$ 255.21	$ 2.59	0.00	$ 255.46	-	-	0	-	-
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 8.39	$ 10.19	0%	$ -	1.00	$ -	$ -	$ 63.30	$ 174.70	$ 248.19	$ 9.25	0.00	$ 249.05	Best	Best	0	$ 0.86	0.35%
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 82.80	$ 213.61	$ 300.56	$ 2.59	0.00	$ 300.80	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 79.50	$ 219.72	$ 303.37	$ 2.59	0.00	$ 303.61	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 109.02	$ 173.94	$ 282.96	$ -	0.00	$ 282.96	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 112.47	$ 170.89	$ 283.36	$ -	0.00	$ 283.36	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 120.75	$ 217.43	$ 338.18	$ -	0.00	$ 338.18	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 92.40	$ 250.99	$ 345.04	$ -	0.00	$ 345.04	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.15	$ -	$ -	$ 129.85	$ 243.37	$ 377.37	$ 2.59	0.00	$ 377.61	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 11.43	$ 13.23	0%	$ -	1.00	$ -	$ -	$ 87.00	$ 240.31	$ 340.54	$ 12.60	0.00	$ 341.72	Best	Best	0	$ 1.17	0.34%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 109.20	$ 301.35	$ 414.70	$ 2.59	0.00	$ 414.94	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 5.09	$ 6.89	0%	$ -	1.00	$ -	$ -	$ 102.90	$ 285.32	$ 395.11	$ 5.61	0.00	$ 395.64	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 150.08	$ 242.60	$ 392.68	$ -	0.00	$ 392.68	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 153.18	$ 240.31	$ 393.49	$ -	0.00	$ 393.49	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 120.90	$ 329.57	$ 452.12	$ -	0.00	$ 452.12	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 8.49	$ 10.29	0%	$ -	1.15	$ -	$ -	$ 127.00	$ 281.51	$ 418.80	$ 9.36	0.00	$ 419.67	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 14.53	$ 16.33	0%	$ -	1.00	$ -	$ -	$ 101.40	$ 283.04	$ 400.77	$ 16.02	0.00	$ 402.26	Best	Best	0	$ 1.49	0.37%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 8.49	$ 10.29	0%	$ -	1.00	$ -	$ -	$ 120.00	$ 323.47	$ 453.76	$ 9.36	0.00	$ 454.63	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 1.80	0%	$ -	1.00	$ -	$ -	$ 147.00	$ 324.23	$ 473.03	$ -	0.00	$ 473.03	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 188.03	$ 287.61	$ 475.64	$ -	0.00	$ 475.64	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 179.40	$ 283.80	$ 463.20	$ -	0.00	$ 463.20	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 135.00	$ 349.41	$ 486.06	$ -	0.00	$ 486.06	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 15.48	$ 17.28	0%	$ -	1.00	$ -	$ -	$ 131.70	$ 359.33	$ 508.31	$ 17.07	0.00	$ 509.89	Best	Best	0	$ 1.59	0.31%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 6.15	$ 11.20	0%	$ -	1.00	$ -	$ -	$ 146.10	$ 377.64	$ 534.94	$ 6.78	0.00	$ 535.57	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 8.39	$ 11.64	0%	$ -	1.00	$ -	$ -	$ 145.20	$ 374.58	$ 531.42	$ 9.25	0.00	$ 532.28	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 5.00	0%	$ -	1.15	$ -	$ -	$ 206.31	$ 361.61	$ 572.92	$ -	0.00	$ 572.92	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.30	$ 9.10	0%	$ -	1.00	$ -	$ -	$ 147.30	$ 394.42	$ 550.82	$ 3.64	0.00	$ 551.16	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 0.95	$ 8.40	0%	$ -	1.00	$ -	$ -	$ 159.30	$ 422.65	$ 590.35	$ 1.05	0.00	$ 590.44	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 5.52	$ 12.07	0%	$ -	1.00	$ -	$ -	$ 54.00	$ 135.80	$ 201.87	$ 6.09	0.00	$ 202.43	Best	Best	0	$ 0.57	0.28%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 1.19	$ 7.74	0%	$ -	1.15	$ -	$ -	$ 102.47	$ 135.80	$ 246.00	$ 1.31	0.00	$ 246.12	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 7.18	$ 13.73	0%	$ -	1.00	$ -	$ -	$ 53.70	$ 139.61	$ 207.04	$ 7.92	0.00	$ 207.78	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 1.66	$ 9.86	0%	$ -	1.15	$ -	$ -	$ 87.98	$ 142.66	$ 240.50	$ 1.83	0.00	$ 240.67	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 5.52	$ 26.82	0%	$ -	1.00	$ -	$ -	$ 55.20	$ 135.80	$ 217.82	$ 6.09	0.00	$ 218.38	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 6.94	$ 13.49	0%	$ -	1.15	$ -	$ -	$ 100.05	$ 136.56	$ 250.10	$ 9.06	0.00	$ 252.22	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 11.27	$ 17.82	0%	$ -	1.00	$ -	$ -	$ 53.40	$ 139.61	$ 210.83	$ 13.84	0.00	$ 213.40	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 4.20	$ 12.40	0%	$ -	1.00	$ -	$ -	$ 54.90	$ 143.43	$ 210.73	$ 4.63	0.00	$ 211.16	Best	Best	0	$ 0.43	0.20%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 5.52	$ 5.52	0%	$ -	1.00	$ -	$ -	$ 49.50	$ 122.83	$ 177.85	$ 6.09	0.00	$ 178.41	Best	Best	0	$ 0.57	0.32%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 88.20	$ 207.51	$ 295.71	$ -	0.00	$ 295.71	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 12.18	$ 12.18	0%	$ -	1.00	$ -	$ -	$ 75.60	$ 222.00	$ 309.78	$ 13.43	0.00	$ 311.03	Best	Best	0	$ 1.25	0.40%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 97.20	$ 256.33	$ 353.53	$ -	0.00	$ 353.53	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 120.06	$ 212.09	$ 332.15	$ -	0.00	$ 332.15	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 4.98	$ 4.98	0%	$ -	1.00	$ -	$ -	$ 45.90	$ 112.91	$ 163.79	$ 5.49	0.00	$ 164.30	Best	Best	0	$ 0.51	0.31%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	2	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 0.38	$ 0.38	0%	$ -	1.00	$ -	$ -	$ 53.70	$ 119.01	$ 173.09	$ 0.42	0.00	$ 173.13	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 90.00	$ 237.26	$ 328.51	$ -	0.00	$ 328.51	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 14.33	$ 14.33	0%	$ -	1.00	$ -	$ -	$ 98.70	$ 282.27	$ 395.30	$ 15.80	0.00	$ 396.77	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 2.74	$ 3.99	0%	$ -	1.00	$ -	$ -	$ 95.70	$ 255.57	$ 355.26	$ 3.02	0.00	$ 355.54	Best	Best	0	$ 0.28	0.08%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 97.80	$ 270.83	$ 369.88	$ -	0.00	$ 369.88	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 17.43	$ 17.43	0%	$ -	1.00	$ -	$ -	$ 115.80	$ 331.10	$ 464.33	$ 19.22	0.00	$ 466.12	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 5.84	$ 7.09	0%	$ -	1.00	$ -	$ -	$ 117.60	$ 305.16	$ 429.85	$ 6.44	0.00	$ 430.45	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 113.40	$ 289.90	$ 404.55	$ -	0.00	$ 404.55	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 4.84	$ 4.84	0%	$ -	1.00	$ -	$ -	$ 46.50	$ 123.59	$ 174.93	$ 5.34	0.00	$ 175.43	Best	Best	0	$ 0.50	0.28%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 66.30	$ 157.92	$ 224.22	$ -	0.00	$ 224.22	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 74.87	$ 122.83	$ 197.69	$ -	0.00	$ 197.69	-	-	0	-	-
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 4.49	$ 4.49	0%	$ -	1.00	$ -	$ -	$ 51.60	$ 141.14	$ 197.23	$ 4.95	0.00	$ 197.69	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 2.82	$ 2.82	0%	$ -	1.15	$ -	$ -	$ 58.02	$ 125.88	$ 186.72	$ 3.11	0.00	$ 187.01	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 49.80	$ 128.17	$ 177.97	$ -	0.00	$ 177.97	Best	Best	0	$ -	0.00%
																							# Changes	0	Average Delta	
																									$ 0.67	0.21%

Value of Time $/h = 25

Class 2L Vehicles Paying with a NY E-ZPass

						Additional Route Detail				Toll Rates		Impact Factors																			
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
			hours	minutes																											
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 159.58	$ 267.78	$ 434.26	$ 2.59	0.00	$ 434.50	-	Best	1	$ 0.69	0.16%
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 8.10	$ 12.65	0%	$ -	1.00	$ -	$ -	$ 140.42	$ 280.75	$ 433.81	$ 8.93	0.00	$ 434.64	Best	-	1	-	-
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 158.33	$ 298.29	$ 463.53	$ 2.59	0.00	$ 463.77	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 156.67	$ 310.50	$ 474.07	$ 2.59	0.00	$ 474.31	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 195.98	$ 250.23	$ 447.21	$ -	0.00	$ 447.21	-	-	0	-	-
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 236.23	$ 277.70	$ 514.92	$ -	0.00	$ 514.92	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 171.25	$ 333.39	$ 507.89	$ -	0.00	$ 507.89	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.15	$ -	$ -	$ 176.78	$ 257.10	$ 440.78	$ 2.59	0.00	$ 441.02	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 153.33	$ 300.58	$ 460.82	$ 2.59	0.00	$ 461.06	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 8.39	$ 12.94	0%	$ -	1.00	$ -	$ -	$ 128.75	$ 264.73	$ 406.42	$ 9.25	0.00	$ 407.28	-	-	0	-	-
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 175.38	$ 222.00	$ 398.38	$ -	0.00	$ 398.38	Best	Best	0	$ -	0.00%
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 193.10	$ 247.18	$ 441.28	$ -	0.00	$ 441.28	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 232.88	$ 266.25	$ 500.13	$ -	0.00	$ 500.13	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 11.94	$ 16.49	0%	$ -	1.00	$ -	$ -	$ 165.42	$ 331.86	$ 513.77	$ 13.16	0.00	$ 514.99	Best	Best	0	$ 1.22	0.24%
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 5.39	$ 9.94	0%	$ -	1.00	$ -	$ -	$ 188.33	$ 379.92	$ 578.20	$ 5.94	0.00	$ 578.75	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35		0%	$ -	1.00	$ -	$ -	$ 197.08	$ 395.18	$ 592.27	$ 2.59	0.00	$ 599.41	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 278.40	$ 334.15	$ 613.55	$ -	0.00	$ 613.55	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 231.44	$ 292.95	$ 524.39	$ -	0.00	$ 524.39	-	-	0	-	-
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 209.58	$ 415.02	$ 627.85	$ -	0.00	$ 627.85	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 14.53	$ 19.08	0%	$ -	1.00	$ -	$ -	$ 184.17	$ 373.82	$ 577.07	$ 16.02	0.00	$ 578.56	Best	Best	0	$ 1.49	0.26%
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 219.17	$ 412.73	$ 638.80	$ 2.59	0.00	$ 639.04	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 270.73	$ 336.44	$ 607.17	$ -	0.00	$ 607.17	-	-	0	-	-
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 232.50	$ 434.85	$ 670.60	$ -	0.00	$ 670.60	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 237.50	$ 445.53	$ 686.28	$ -	0.00	$ 686.28	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 15.48	$ 20.03	0%	$ -	1.00	$ -	$ -	$ 221.25	$ 447.06	$ 688.34	$ 17.07	0.00	$ 689.93	Best	Best	0	$ 1.59	0.23%
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 6.15	$ 13.95	0%	$ -	1.00	$ -	$ -	$ 246.25	$ 470.71	$ 730.91	$ 6.78	0.00	$ 731.54	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 10.90	0%	$ -	1.00	$ -	$ -	$ 251.25	$ 483.68	$ 745.83	$ 2.59	0.00	$ 746.07	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 1.00	0%	$ -	1.00	$ -	$ -	$ 235.83	$ 464.61	$ 701.44	$ -	0.00	$ 701.44	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 7.25	0%	$ -	1.00	$ -	$ -	$ 270.83	$ 510.38	$ 788.46	$ -	0.00	$ 788.46	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232		Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.15	$ -	$ -	$ 121.65	$ 176.99	$ 302.80	$ 2.59	0.00	$ 303.04	-	-	0	-	-
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 8.10	$ 9.90	0%	$ -	1.00	$ -	$ -	$ 95.42	$ 190.73	$ 296.04	$ 8.93	0.00	$ 296.87	Best	Best	0	$ 0.83	0.28%
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 117.50	$ 211.32	$ 332.97	$ 2.59	0.00	$ 333.21	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 112.92	$ 217.43	$ 334.49	$ 2.59	0.00	$ 334.73	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 155.25	$ 184.62	$ 339.87	$ -	0.00	$ 339.87	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 160.04	$ 181.57	$ 341.61	$ -	0.00	$ 341.61	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 145.67	$ 180.04	$ 325.71	$ -	0.00	$ 325.71	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 130.83	$ 248.71	$ 381.19	$ -	0.00	$ 381.19	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.15	$ -	$ -	$ 117.71	$ 166.31	$ 288.17	$ 2.59	0.00	$ 288.41	-	-	0	-	-
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 8.39	$ 10.19	0%	$ -	1.00	$ -	$ -	$ 87.92	$ 174.70	$ 272.81	$ 9.25	0.00	$ 273.67	Best	Best	0	$ 0.86	0.32%
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 115.00	$ 213.61	$ 332.76	$ 2.59	0.00	$ 333.00	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 110.42	$ 219.72	$ 334.28	$ 2.59	0.00	$ 334.52	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 151.42	$ 173.94	$ 325.36	$ -	0.00	$ 325.36	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 156.21	$ 170.89	$ 327.10	$ -	0.00	$ 327.10	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 167.71	$ 217.43	$ 385.13	$ -	0.00	$ 385.13	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 128.33	$ 250.99	$ 380.98	$ -	0.00	$ 380.98	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.15	$ -	$ -	$ 180.35	$ 243.37	$ 427.87	$ 2.59	0.00	$ 428.11	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 11.43	$ 13.23	0%	$ -	1.00	$ -	$ -	$ 120.83	$ 240.31	$ 374.38	$ 12.60	0.00	$ 375.55	Best	Best	0	$ 1.17	0.31%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 151.67	$ 301.35	$ 457.16	$ 2.59	0.00	$ 457.40	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 5.09	$ 6.89	0%	$ -	1.00	$ -	$ -	$ 142.92	$ 285.32	$ 435.13	$ 5.61	0.00	$ 435.65	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 208.44	$ 242.60	$ 451.04	$ -	0.00	$ 451.04	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 212.75	$ 240.31	$ 453.06	$ -	0.00	$ 453.06	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 167.92	$ 329.57	$ 499.14	$ -	0.00	$ 499.14	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 8.49	$ 10.29	0%	$ -	1.15	$ -	$ -	$ 176.39	$ 281.51	$ 468.19	$ 9.36	0.00	$ 469.06	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 14.53	$ 16.33	0%	$ -	1.00	$ -	$ -	$ 140.83	$ 283.04	$ 440.20	$ 16.02	0.00	$ 441.69	Best	Best	0	$ 1.49	0.34%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 8.49	$ 10.29	0%	$ -	1.00	$ -	$ -	$ 166.67	$ 323.47	$ 500.43	$ 9.36	0.00	$ 501.30	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 1.80	0%	$ -	1.00	$ -	$ -	$ 204.17	$ 324.23	$ 530.20	$ -	0.00	$ 530.20	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 261.15	$ 287.61	$ 548.76	$ -	0.00	$ 548.76	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 249.17	$ 283.80	$ 532.97	$ -	0.00	$ 532.97	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 187.50	$ 349.41	$ 538.56	$ -	0.00	$ 538.56	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 15.48	$ 17.28	0%	$ -	1.00	$ -	$ -	$ 182.92	$ 359.33	$ 559.52	$ 17.07	0.00	$ 561.11	Best	Best	0	$ 1.59	0.28%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 6.15	$ 11.20	0%	$ -	1.00	$ -	$ -	$ 202.92	$ 377.64	$ 591.75	$ 6.78	0.00	$ 592.38	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 8.39	$ 11.64	0%	$ -	1.00	$ -	$ -	$ 201.67	$ 374.58	$ 587.89	$ 9.25	0.00	$ 588.75	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 5.00	0%	$ -	1.15	$ -	$ -	$ 286.54	$ 361.61	$ 653.16	$ -	0.00	$ 653.16	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.30	$ 9.10	0%	$ -	1.00	$ -	$ -	$ 204.58	$ 394.42	$ 608.10	$ 3.64	0.00	$ 608.44	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 0.95	$ 8.40	0%	$ -	1.00	$ -	$ -	$ 221.25	$ 422.65	$ 652.30	$ 1.05	0.00	$ 652.39	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 5.52	$ 12.07	0%	$ -	1.00	$ -	$ -	$ 75.00	$ 135.80	$ 222.87	$ 6.09	0.00	$ 223.43	Best	Best	0	$ 0.57	0.25%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 1.19	$ 7.74	0%	$ -	1.15	$ -	$ -	$ 142.31	$ 135.80	$ 285.85	$ 1.31	0.00	$ 285.97	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 7.18	$ 13.73	0%	$ -	1.00	$ -	$ -	$ 74.58	$ 139.61	$ 227.92	$ 7.92	0.00	$ 228.66	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 1.66	$ 9.86	0%	$ -	1.15	$ -	$ -	$ 122.19	$ 142.66	$ 274.71	$ 1.83	0.00	$ 274.88	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 5.52	$ 26.82	0%	$ -	1.00	$ -	$ -	$ 76.67	$ 135.80	$ 239.28	$ 6.09	0.00	$ 239.85	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 6.94	$ 13.49	0%	$ -	1.15	$ -	$ -	$ 138.96	$ 136.56	$ 289.01	$ 9.06	0.00	$ 291.13	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 11.27	$ 17.82	0%	$ -	1.00	$ -	$ -	$ 74.17	$ 139.61	$ 231.60	$ 13.84	0.00	$ 234.16	Best	-	1	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 4.20	$ 12.40	0%	$ -	1.00	$ -	$ -	$ 76.25	$ 143.43	$ 232.08	$ 4.63	0.00	$ 232.51	-	Best	1	$ 0.91	0.39%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 5.52	$ 5.52	0%	$ -	1.00	$ -	$ -	$ 68.75	$ 122.83	$ 197.10	$ 6.09	0.00	$ 197.66	Best	Best	0	$ 0.57	0.29%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 122.50	$ 207.51	$ 330.01	$ -	0.00	$ 330.01	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 12.18	$ 12.18	0%	$ -	1.00	$ -	$ -	$ 105.00	$ 222.00	$ 339.18	$ 13.43	0.00	$ 340.43	Best	Best	0	$ 1.25	0.37%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 135.00	$ 256.33	$ 391.33	$ -	0.00	$ 391.33	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 166.75	$ 212.09	$ 378.84	$ -	0.00	$ 378.84	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 4.98	$ 4.98	0%	$ -	1.00	$ -	$ -	$ 63.75	$ 112.91	$ 181.64	$ 5.49	0.00	$ 182.15	Best	Best	0	$ 0.51	0.28%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	2	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 0.38	$ 0.38	0%	$ -	1.00	$ -	$ -	$ 74.58	$ 119.01	$ 193.98	$ 0.42	0.00	$ 194.01	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 125.00	$ 237.26	$ 363.51	$ -	0.00	$ 363.51	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 14.33	$ 14.33	0%	$ -	1.00	$ -	$ -	$ 137.08	$ 282.27	$ 433.69	$ 15.80	0.00	$ 435.16	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 2.74	$ 3.99	0%	$ -	1.00	$ -	$ -	$ 132.92	$ 255.57	$ 392.48	$ 3.02	0.00	$ 392.76	Best	Best	0	$ 0.28	0.07%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 135.83	$ 270.83	$ 407.91	$ -	0.00	$ 407.91	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 17.43	$ 17.43	0%	$ -	1.00	$ -	$ -	$ 160.83	$ 331.10	$ 509.36	$ 19.22	0.00	$ 511.15	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 5.84	$ 7.09	0%	$ -	1.00	$ -	$ -	$ 163.33	$ 305.16	$ 475.58	$ 6.44	0.00	$ 476.18	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 157.50	$ 289.90	$ 448.65	$ -	0.00	$ 448.65	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 4.84	$ 4.84	0%	$ -	1.00	$ -	$ -	$ 64.58	$ 123.59	$ 193.01	$ 5.34	0.00	$ 193.51	Best	Best	0	$ 0.50	0.26%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 92.08	$ 157.92	$ 250.00	$ -	0.00	$ 250.00	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 103.98	$ 122.83	$ 226.81	$ -	0.00	$ 226.81	-	-	0	-	-
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 4.49	$ 4.49	0%	$ -	1.00	$ -	$ -	$ 71.67	$ 141.14	$ 217.29	$ 4.95	0.00	$ 217.75	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 2.82	$ 2.82	0%	$ -	1.15	$ -	$ -	$ 80.59	$ 125.88	$ 209.29	$ 3.11	0.00	$ 209.58	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 69.17	$ 128.17	$ 197.33	$ -	0.00	$ 197.33	Best	Best	0	$ -	0.00%

Cost/h VOT = >> $ 25.00

Cost/mile $ 0.76

Impacts on Drivers

Value of Time $/h = 25

# Changes	2	Average Delta	
		$ 0.82	0.23%

Value of Time $/h = 30

Class 2L Vehicles Paying with a NY E-ZPass

Cost/h VOT = >>	$ 30.00
Cost/mile	$ 0.76

			Time			Additional Route Detail				Toll Rates		Impact Factors										Impacts on Drivers				
Origin	Destination	Route	hours	minutes	Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Value of Time $/h = 30				
																							Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 191.50	$ 267.78	$ 466.18	$ 2.59	0.00	$ 466.42	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 8.10	$ 12.65	0%	$ -	1.00	$ -	$ -	$ 168.50	$ 280.75	$ 461.90	$ 8.93	0.00	$ 462.73	Best	Best	0	$ 0.83	0.18%
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 190.00	$ 298.29	$ 495.19	$ 2.59	0.00	$ 495.43	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 188.00	$ 310.50	$ 505.40	$ 2.59	0.00	$ 505.64	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 235.18	$ 250.23	$ 486.41	$ -	0.00	$ 486.41	-	-	0	-	-
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 283.48	$ 277.70	$ 562.17	$ -	0.00	$ 562.17	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 205.50	$ 333.39	$ 542.14	$ -	0.00	$ 542.14	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.15	$ -	$ -	$ 212.14	$ 257.10	$ 476.14	$ 2.59	0.00	$ 476.38	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 184.00	$ 300.58	$ 491.48	$ 2.59	0.00	$ 491.72	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 8.39	$ 12.94	0%	$ -	1.00	$ -	$ -	$ 154.50	$ 264.73	$ 432.17	$ 9.25	0.00	$ 433.03	Best	Best	0	$ 0.86	0.20%
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 210.45	$ 222.00	$ 433.45	$ -	0.00	$ 433.45	-	-	0	-	-
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 231.73	$ 247.18	$ 479.90	$ -	0.00	$ 479.90	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 279.45	$ 266.25	$ 546.70	$ -	0.00	$ 546.70	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 11.94	$ 16.49	0%	$ -	1.00	$ -	$ -	$ 198.50	$ 331.86	$ 546.85	$ 13.16	0.00	$ 548.08	Best	Best	0	$ 1.22	0.22%
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 5.39	$ 9.94	0%	$ -	1.00	$ -	$ -	$ 226.00	$ 379.92	$ 615.86	$ 5.94	0.00	$ 616.42	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35		0%	$ -	1.00	$ -	$ -	$ 236.50	$ 395.18	$ 631.68	$ 2.59	0.00	$ 638.82	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 334.08	$ 334.15	$ 669.23	$ -	0.00	$ 669.23	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 277.73	$ 292.95	$ 570.68	$ -	0.00	$ 570.68	-	-	0	-	-
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 251.50	$ 415.02	$ 669.77	$ -	0.00	$ 669.77	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 14.53	$ 19.08	0%	$ -	1.00	$ -	$ -	$ 221.00	$ 373.82	$ 613.90	$ 16.02	0.00	$ 615.39	Best	Best	0	$ 1.49	0.24%
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 263.00	$ 412.73	$ 682.63	$ 2.59	0.00	$ 682.87	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 324.88	$ 336.44	$ 661.31	$ -	0.00	$ 661.31	-	-	0	-	-
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 279.00	$ 434.85	$ 717.10	$ -	0.00	$ 717.10	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 285.00	$ 445.53	$ 733.78	$ -	0.00	$ 733.78	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 15.48	$ 20.03	0%	$ -	1.00	$ -	$ -	$ 265.50	$ 447.06	$ 732.59	$ 17.07	0.00	$ 734.18	Best	Best	0	$ 1.59	0.22%
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 6.15	$ 13.95	0%	$ -	1.00	$ -	$ -	$ 295.50	$ 470.71	$ 780.16	$ 6.78	0.00	$ 780.79	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 10.90	0%	$ -	1.00	$ -	$ -	$ 301.50	$ 483.68	$ 796.08	$ 2.59	0.00	$ 796.32	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 1.00	0%	$ -	1.00	$ -	$ -	$ 283.00	$ 464.61	$ 748.61	$ -	0.00	$ 748.61	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 7.25	0%	$ -	1.00	$ -	$ -	$ 325.00	$ 510.38	$ 842.63	$ -	0.00	$ 842.63	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.15	$ -	$ -	$ 145.98	$ 176.99	$ 327.13	$ 2.59	0.00	$ 327.37	-	-	0	-	-
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 8.10	$ 9.90	0%	$ -	1.00	$ -	$ -	$ 114.50	$ 190.73	$ 315.13	$ 8.93	0.00	$ 315.96	Best	Best	0	$ 0.83	0.26%
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 141.00	$ 211.32	$ 356.47	$ 2.59	0.00	$ 356.71	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 135.50	$ 217.43	$ 357.08	$ 2.59	0.00	$ 357.32	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 186.30	$ 184.62	$ 370.92	$ -	0.00	$ 370.92	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 192.05	$ 181.57	$ 373.62	$ -	0.00	$ 373.62	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 174.80	$ 180.04	$ 354.84	$ -	0.00	$ 354.84	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 157.00	$ 248.71	$ 407.36	$ -	0.00	$ 407.36	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.15	$ -	$ -	$ 141.25	$ 166.31	$ 311.72	$ 2.59	0.00	$ 311.96	-	-	0	-	-
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 8.39	$ 10.19	0%	$ -	1.00	$ -	$ -	$ 105.50	$ 174.70	$ 290.39	$ 9.25	0.00	$ 291.25	Best	Best	0	$ 0.86	0.30%
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 138.00	$ 213.61	$ 355.76	$ 2.59	0.00	$ 356.00	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 132.50	$ 219.72	$ 356.37	$ 2.59	0.00	$ 356.61	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 181.70	$ 173.94	$ 355.64	$ -	0.00	$ 355.64	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 187.45	$ 170.89	$ 358.34	$ -	0.00	$ 358.34	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 201.25	$ 217.43	$ 418.68	$ -	0.00	$ 418.68	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 154.00	$ 250.99	$ 406.64	$ -	0.00	$ 406.64	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.15	$ -	$ -	$ 216.42	$ 243.37	$ 463.94	$ 2.59	0.00	$ 464.18	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 11.43	$ 13.23	0%	$ -	1.00	$ -	$ -	$ 145.00	$ 240.31	$ 398.54	$ 12.60	0.00	$ 399.72	Best	Best	0	$ 1.17	0.29%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 182.00	$ 301.35	$ 487.50	$ 2.59	0.00	$ 487.74	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 5.09	$ 6.89	0%	$ -	1.00	$ -	$ -	$ 171.50	$ 285.32	$ 463.71	$ 5.61	0.00	$ 464.24	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 250.13	$ 242.60	$ 492.73	$ -	0.00	$ 492.73	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 255.30	$ 240.31	$ 495.61	$ -	0.00	$ 495.61	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 201.50	$ 329.57	$ 532.72	$ -	0.00	$ 532.72	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 8.49	$ 10.29	0%	$ -	1.15	$ -	$ -	$ 211.66	$ 281.51	$ 503.46	$ 9.36	0.00	$ 504.33	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 14.53	$ 16.33	0%	$ -	1.00	$ -	$ -	$ 169.00	$ 283.04	$ 468.37	$ 16.02	0.00	$ 469.86	Best	Best	0	$ 1.49	0.32%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 8.49	$ 10.29	0%	$ -	1.00	$ -	$ -	$ 200.00	$ 323.47	$ 533.76	$ 9.36	0.00	$ 534.63	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 1.80	0%	$ -	1.00	$ -	$ -	$ 245.00	$ 324.23	$ 571.03	$ -	0.00	$ 571.03	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 313.38	$ 287.61	$ 600.99	$ -	0.00	$ 600.99	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 299.00	$ 283.80	$ 582.80	$ -	0.00	$ 582.80	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 225.00	$ 349.41	$ 576.06	$ -	0.00	$ 576.06	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 15.48	$ 17.28	0%	$ -	1.00	$ -	$ -	$ 219.50	$ 359.33	$ 596.11	$ 17.07	0.00	$ 597.69	Best	Best	0	$ 1.59	0.27%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 6.15	$ 11.20	0%	$ -	1.00	$ -	$ -	$ 243.50	$ 377.64	$ 632.34	$ 6.78	0.00	$ 632.97	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 8.39	$ 11.64	0%	$ -	1.00	$ -	$ -	$ 242.00	$ 374.58	$ 628.22	$ 9.25	0.00	$ 629.08	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 5.00	0%	$ -	1.15	$ -	$ -	$ 343.85	$ 361.61	$ 710.46	$ -	0.00	$ 710.46	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.30	$ 9.10	0%	$ -	1.00	$ -	$ -	$ 245.50	$ 394.42	$ 649.02	$ 3.64	0.00	$ 649.36	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 0.95	$ 8.40	0%	$ -	1.00	$ -	$ -	$ 265.50	$ 422.65	$ 696.55	$ 1.05	0.00	$ 696.64	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 5.52	$ 12.07	0%	$ -	1.00	$ -	$ -	$ 90.00	$ 135.80	$ 237.87	$ 6.09	0.00	$ 238.43	Best	Best	0	$ 0.57	0.24%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 1.19	$ 7.74	0%	$ -	1.15	$ -	$ -	$ 170.78	$ 135.80	$ 314.31	$ 1.31	0.00	$ 314.43	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 7.18	$ 13.73	0%	$ -	1.00	$ -	$ -	$ 89.50	$ 139.61	$ 242.84	$ 7.92	0.00	$ 243.58	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 1.66	$ 9.86	0%	$ -	1.15	$ -	$ -	$ 146.63	$ 142.66	$ 299.15	$ 1.83	0.00	$ 299.32	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 5.52	$ 26.82	0%	$ -	1.00	$ -	$ -	$ 92.00	$ 135.80	$ 254.62	$ 6.09	0.00	$ 255.18	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 6.94	$ 13.49	0%	$ -	1.15	$ -	$ -	$ 166.75	$ 136.56	$ 316.80	$ 9.06	0.00	$ 318.92	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 11.27	$ 17.82	0%	$ -	1.00	$ -	$ -	$ 89.00	$ 139.61	$ 246.43	$ 13.84	0.00	$ 249.00	Best	-	1	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 4.20	$ 12.40	0%	$ -	1.00	$ -	$ -	$ 91.50	$ 143.43	$ 247.33	$ 4.63	0.00	$ 247.76	-	Best	1	$ 1.33	0.54%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 5.52	$ 5.52	0%	$ -	1.00	$ -	$ -	$ 82.50	$ 122.83	$ 210.85	$ 6.09	0.00	$ 211.41	Best	Best	0	$ 0.57	0.27%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 147.00	$ 207.51	$ 354.51	$ -	0.00	$ 354.51	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 12.18	$ 12.18	0%	$ -	1.00	$ -	$ -	$ 126.00	$ 222.00	$ 360.18	$ 13.43	0.00	$ 361.43	Best	Best	0	$ 1.25	0.35%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 162.00	$ 256.33	$ 418.33	$ -	0.00	$ 418.33	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 200.10	$ 212.09	$ 412.19	$ -	0.00	$ 412.19	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 4.98	$ 4.98	0%	$ -	1.00	$ -	$ -	$ 76.50	$ 112.91	$ 194.39	$ 5.49	0.00	$ 194.90	Best	Best	0	$ 0.51	0.26%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	2	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 0.38	$ 0.38	0%	$ -	1.00	$ -	$ -	$ 89.50	$ 119.01	$ 208.89	$ 0.42	0.00	$ 208.93	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 150.00	$ 237.26	$ 388.51	$ -	0.00	$ 388.51	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 14.33	$ 14.33	0%	$ -	1.00	$ -	$ -	$ 164.50	$ 282.27	$ 461.10	$ 15.80	0.00	$ 462.57	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 2.74	$ 3.99	0%	$ -	1.00	$ -	$ -	$ 159.50	$ 255.57	$ 419.06	$ 3.02	0.00	$ 419.34	Best	Best	0	$ 0.28	0.07%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 163.00	$ 270.83	$ 435.08	$ -	0.00	$ 435.08	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 17.43	$ 17.43	0%	$ -	1.00	$ -	$ -	$ 193.00	$ 331.10	$ 541.53	$ 19.22	0.00	$ 543.32	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 5.84	$ 7.09	0%	$ -	1.00	$ -	$ -	$ 196.00	$ 305.16	$ 508.25	$ 6.44	0.00	$ 508.85	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 189.00	$ 289.90	$ 480.15	$ -	0.00	$ 480.15	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 4.84	$ 4.84	0%	$ -	1.00	$ -	$ -	$ 77.50	$ 123.59	$ 205.93	$ 5.34	0.00	$ 206.43	Best	Best	0	$ 0.50	0.24%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 110.50	$ 157.92	$ 268.42	$ -	0.00	$ 268.42	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 124.78	$ 122.83	$ 247.60	$ -	0.00	$ 247.60	-	-	0	-	-
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 4.49	$ 4.49	0%	$ -	1.00	$ -	$ -	$ 86.00	$ 141.14	$ 231.63	$ 4.95	0.00	$ 232.09	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 2.82	$ 2.82	0%	$ -	1.15	$ -	$ -	$ 96.71	$ 125.88	$ 225.40	$ 3.11	0.00	$ 225.69	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 83.00	$ 128.17	$ 211.17	$ -	0.00	$ 211.17	Best	Best	0	$ -	0.00%
																								# Changes	1	Average Delta	
																										$ 0.89	0.23%

Value of Time $/h = 40

Class 2L Vehicles Paying with a NY E-ZPass

Cost/h VOT = >>	$ 40.00
Cost/mile	$ 0.76

Origin	Destination	Route	Time hours	Time minutes	Distance (Mi)	Additional Route Detail: NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	Toll Rates: NYSTA Toll (Total)	Toll Rates: Total Trip Toll	Impact Factors: Volume Discount	Impact Factors: Tax Credit/mile	Impact Factors: Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Impacts on Drivers: Best (Base)	Best (New)	Route Changes	Value of Time $/h = 40: Delta ($)	Delta %
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 255.33	$ 267.78	$ 530.01	$ 2.59	0.00	$ 530.25	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 8.10	$ 12.65	0%	$ -	1.00	$ -	$ -	$ 224.67	$ 280.75	$ 518.06	$ 8.93	0.00	$ 518.89	Best	Best	0	$ 0.83	0.16%
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 253.33	$ 298.29	$ 558.53	$ 2.59	0.00	$ 558.77	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 250.67	$ 310.50	$ 568.07	$ 2.59	0.00	$ 568.31	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 313.57	$ 250.23	$ 564.80	$ -	0.00	$ 564.80	-	-	0	-	-
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 377.97	$ 277.70	$ 656.66	$ -	0.00	$ 656.66	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 274.00	$ 333.39	$ 610.64	$ -	0.00	$ 610.64	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.15	$ -	$ -	$ 282.86	$ 257.10	$ 546.85	$ 2.59	0.00	$ 547.09	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 245.33	$ 300.58	$ 552.82	$ 2.59	0.00	$ 553.06	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 8.39	$ 12.94	0%	$ -	1.00	$ -	$ -	$ 206.00	$ 264.73	$ 483.67	$ 9.25	0.00	$ 484.53	Best	Best	0	$ 0.86	0.18%
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 280.60	$ 222.00	$ 503.60	$ -	0.00	$ 503.60	-	-	0	-	-
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 308.97	$ 247.18	$ 557.15	$ -	0.00	$ 557.15	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 372.60	$ 266.25	$ 639.85	$ -	0.00	$ 639.85	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 11.94	$ 16.49	0%	$ -	1.00	$ -	$ -	$ 264.67	$ 331.86	$ 613.02	$ 13.16	0.00	$ 614.24	Best	Best	0	$ 1.22	0.20%
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 5.39	$ 9.94	0%	$ -	1.00	$ -	$ -	$ 301.33	$ 379.92	$ 691.20	$ 5.94	0.00	$ 691.75	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35		0%	$ -	1.00	$ -	$ -	$ 315.33	$ 395.18	$ 710.52	$ 2.59	0.00	$ 717.66	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 445.43	$ 334.15	$ 780.58	$ -	0.00	$ 780.58	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 370.30	$ 292.95	$ 663.25	$ -	0.00	$ 663.25	-	-	0	-	-
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 335.33	$ 415.02	$ 753.60	$ -	0.00	$ 753.60	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 14.53	$ 19.08	0%	$ -	1.00	$ -	$ -	$ 294.67	$ 373.82	$ 687.57	$ 16.02	0.00	$ 689.06	Best	Best	0	$ 1.49	0.22%
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 350.67	$ 412.73	$ 770.30	$ 2.59	0.00	$ 770.54	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 433.17	$ 336.44	$ 769.61	$ -	0.00	$ 769.61	-	-	0	-	-
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 372.00	$ 434.85	$ 810.10	$ -	0.00	$ 810.10	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 3.25	0%	$ -	1.00	$ -	$ -	$ 380.00	$ 445.53	$ 828.78	$ -	0.00	$ 828.78	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 15.48	$ 20.03	0%	$ -	1.00	$ -	$ -	$ 354.00	$ 447.06	$ 821.09	$ 17.07	0.00	$ 822.68	Best	Best	0	$ 1.59	0.19%
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 6.15	$ 13.95	0%	$ -	1.00	$ -	$ -	$ 394.00	$ 470.71	$ 878.66	$ 6.78	0.00	$ 879.29	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.35	$ 10.90	0%	$ -	1.00	$ -	$ -	$ 402.00	$ 483.68	$ 896.58	$ 2.59	0.00	$ 896.82	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 1.00	0%	$ -	1.00	$ -	$ -	$ 377.33	$ 464.61	$ 842.94	$ -	0.00	$ 842.94	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 7.25	0%	$ -	1.00	$ -	$ -	$ 433.33	$ 510.38	$ 950.96	$ -	0.00	$ 950.96	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232		Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.15	$ -	$ -	$ 194.64	$ 176.99	$ 375.79	$ 2.59	0.00	$ 376.03	-	-	0	-	-
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 8.10	$ 9.90	0%	$ -	1.00	$ -	$ -	$ 152.67	$ 190.73	$ 353.29	$ 8.93	0.00	$ 354.12	Best	Best	0	$ 0.83	0.24%
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 188.00	$ 211.32	$ 403.47	$ 2.59	0.00	$ 403.71	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 180.67	$ 217.43	$ 402.24	$ 2.59	0.00	$ 402.48	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 248.40	$ 184.62	$ 433.02	$ -	0.00	$ 433.02	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 256.07	$ 181.57	$ 437.64	$ -	0.00	$ 437.64	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 233.07	$ 180.04	$ 413.11	$ -	0.00	$ 413.11	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 209.33	$ 248.71	$ 459.69	$ -	0.00	$ 459.69	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.15	$ -	$ -	$ 188.34	$ 166.31	$ 358.80	$ 2.59	0.00	$ 359.04	-	-	0	-	-
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 8.39	$ 10.19	0%	$ -	1.00	$ -	$ -	$ 140.67	$ 174.70	$ 325.56	$ 9.25	0.00	$ 326.42	Best	Best	0	$ 0.86	0.26%
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 184.00	$ 213.61	$ 401.76	$ 2.59	0.00	$ 402.00	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 176.67	$ 219.72	$ 400.53	$ 2.59	0.00	$ 400.77	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 242.27	$ 173.94	$ 416.21	$ -	0.00	$ 416.21	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 249.93	$ 170.89	$ 420.82	$ -	0.00	$ 420.82	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 268.33	$ 217.43	$ 485.76	$ -	0.00	$ 485.76	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 205.33	$ 250.99	$ 457.98	$ -	0.00	$ 457.98	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.15	$ -	$ -	$ 288.56	$ 243.37	$ 536.08	$ 2.59	0.00	$ 536.32	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 11.43	$ 13.23	0%	$ -	1.00	$ -	$ -	$ 193.33	$ 240.31	$ 446.88	$ 12.60	0.00	$ 448.05	Best	Best	0	$ 1.17	0.26%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.35	$ 4.15	0%	$ -	1.00	$ -	$ -	$ 242.67	$ 301.35	$ 548.16	$ 2.59	0.00	$ 548.40	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 5.09	$ 6.89	0%	$ -	1.00	$ -	$ -	$ 228.67	$ 285.32	$ 520.88	$ 5.61	0.00	$ 521.40	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 333.50	$ 242.60	$ 576.10	$ -	0.00	$ 576.10	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 340.40	$ 240.31	$ 580.71	$ -	0.00	$ 580.71	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 268.67	$ 329.57	$ 599.89	$ -	0.00	$ 599.89	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 8.49	$ 10.29	0%	$ -	1.15	$ -	$ -	$ 282.22	$ 281.51	$ 574.02	$ 9.36	0.00	$ 574.89	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 14.53	$ 16.33	0%	$ -	1.00	$ -	$ -	$ 225.33	$ 283.04	$ 524.70	$ 16.02	0.00	$ 526.19	Best	Best	0	$ 1.49	0.28%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 8.49	$ 10.29	0%	$ -	1.00	$ -	$ -	$ 266.67	$ 323.47	$ 600.43	$ 9.36	0.00	$ 601.30	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 1.80	0%	$ -	1.00	$ -	$ -	$ 326.67	$ 324.23	$ 652.70	$ -	0.00	$ 652.70	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 417.83	$ 287.61	$ 705.45	$ -	0.00	$ 705.45	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 398.67	$ 283.80	$ 682.47	$ -	0.00	$ 682.47	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 300.00	$ 349.41	$ 651.06	$ -	0.00	$ 651.06	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 15.48	$ 17.28	0%	$ -	1.00	$ -	$ -	$ 292.67	$ 359.33	$ 669.27	$ 17.07	0.00	$ 670.86	Best	Best	0	$ 1.59	0.24%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 6.15	$ 11.20	0%	$ -	1.00	$ -	$ -	$ 324.67	$ 377.64	$ 713.50	$ 6.78	0.00	$ 714.13	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 8.39	$ 11.64	0%	$ -	1.00	$ -	$ -	$ 322.67	$ 374.58	$ 708.89	$ 9.25	0.00	$ 709.75	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 5.00	0%	$ -	1.15	$ -	$ -	$ 458.47	$ 361.61	$ 825.08	$ -	0.00	$ 825.08	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.30	$ 9.10	0%	$ -	1.00	$ -	$ -	$ 327.33	$ 394.42	$ 730.85	$ 3.64	0.00	$ 731.19	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 0.95	$ 8.40	0%	$ -	1.00	$ -	$ -	$ 354.00	$ 422.65	$ 785.05	$ 1.05	0.00	$ 785.14	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 5.52	$ 12.07	0%	$ -	1.00	$ -	$ -	$ 120.00	$ 135.80	$ 267.87	$ 6.09	0.00	$ 268.43	Best	Best	0	$ 0.57	0.21%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 1.19	$ 7.74	0%	$ -	1.15	$ -	$ -	$ 227.70	$ 135.80	$ 371.24	$ 1.31	0.00	$ 371.36	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 7.18	$ 13.73	0%	$ -	1.00	$ -	$ -	$ 119.33	$ 139.61	$ 272.67	$ 7.92	0.00	$ 273.41	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 1.66	$ 9.86	0%	$ -	1.15	$ -	$ -	$ 195.50	$ 142.66	$ 348.02	$ 1.83	0.00	$ 348.19	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 5.52	$ 26.82	0%	$ -	1.00	$ -	$ -	$ 122.67	$ 135.80	$ 285.28	$ 6.09	0.00	$ 285.85	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 6.94	$ 13.49	0%	$ -	1.15	$ -	$ -	$ 222.33	$ 136.56	$ 372.38	$ 9.06	0.00	$ 374.50	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 11.27	$ 17.82	0%	$ -	1.00	$ -	$ -	$ 118.67	$ 139.61	$ 276.10	$ 13.84	0.00	$ 278.66	Best	-	1	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 4.20	$ 12.40	0%	$ -	1.00	$ -	$ -	$ 122.00	$ 143.43	$ 277.83	$ 4.63	0.00	$ 278.26	-	Best	1	$ 2.16	0.78%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 5.52	$ 5.52	0%	$ -	1.00	$ -	$ -	$ 110.00	$ 122.83	$ 238.35	$ 6.09	0.00	$ 238.91	Best	Best	0	$ 0.57	0.24%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 196.00	$ 207.51	$ 403.51	$ -	0.00	$ 403.51	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 12.18	$ 12.18	0%	$ -	1.00	$ -	$ -	$ 168.00	$ 222.00	$ 402.18	$ 13.43	0.00	$ 403.43	Best	Best	0	$ 1.25	0.31%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 216.00	$ 256.33	$ 472.33	$ -	0.00	$ 472.33	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 266.80	$ 212.09	$ 478.89	$ -	0.00	$ 478.89	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 4.98	$ 4.98	0%	$ -	1.00	$ -	$ -	$ 102.00	$ 112.91	$ 219.89	$ 5.49	0.00	$ 220.40	Best	Best	0	$ 0.51	0.23%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	2	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 0.38	$ 0.38	0%	$ -	1.00	$ -	$ -	$ 119.33	$ 119.01	$ 238.73	$ 0.42	0.00	$ 238.76	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 200.00	$ 237.26	$ 438.51	$ -	0.00	$ 438.51	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 14.33	$ 14.33	0%	$ -	1.00	$ -	$ -	$ 219.33	$ 282.27	$ 515.94	$ 15.80	0.00	$ 517.41	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 2.74	$ 3.99	0%	$ -	1.00	$ -	$ -	$ 212.67	$ 255.57	$ 472.23	$ 3.02	0.00	$ 472.51	Best	Best	0	$ 0.28	0.06%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 217.33	$ 270.83	$ 489.41	$ -	0.00	$ 489.41	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 17.43	$ 17.43	0%	$ -	1.00	$ -	$ -	$ 257.33	$ 331.10	$ 605.86	$ 19.22	0.00	$ 607.65	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 5.84	$ 7.09	0%	$ -	1.00	$ -	$ -	$ 261.33	$ 305.16	$ 573.58	$ 6.44	0.00	$ 574.18	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 252.00	$ 289.90	$ 543.15	$ -	0.00	$ 543.15	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 4.84	$ 4.84	0%	$ -	1.00	$ -	$ -	$ 103.33	$ 123.59	$ 231.76	$ 5.34	0.00	$ 232.26	Best	Best	0	$ 0.50	0.21%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 147.33	$ 157.92	$ 305.25	$ -	0.00	$ 305.25	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 166.37	$ 122.83	$ 289.19	$ -	0.00	$ 289.19	-	-	0	-	-
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 4.49	$ 4.49	0%	$ -	1.00	$ -	$ -	$ 114.67	$ 141.14	$ 260.29	$ 4.95	0.00	$ 260.75	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 2.82	$ 2.82	0%	$ -	1.15	$ -	$ -	$ 128.94	$ 125.88	$ 257.64	$ 3.11	0.00	$ 257.93	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 110.67	$ 128.17	$ 238.83	$ -	0.00	$ 238.83	Best	Best	0	$ -	0.00%

# Changes	1	Average Delta	
		$ 0.93	0.22%

Best Route Choice Analysis Results

Class 2L **Non-NY E-ZPass**

			Impacts on Drivers as a Function of Value of Time															
			Value of time $/h = 12			Value of time $/h = 18			Value of time $/h = 25			Value of time $/h = 30			Value of time $/h = 40		
Origin	Destination	Route	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	-	-	0	Best	Best	0	Best	Best	0	-	Best	1	-	-	0
Manchester, NH	Skaneateles	I-90 (Exit 34A)	-	-	0	-	-	0	-	-	0	Best	-	1	Best	Best	0
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	Best	Best	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	US-20 (from w of Boston)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 (Exit 36)	-	-	0	-	-	0	-	-	0	Best	-	1	Best	Best	0
Manchester, NH	Syracuse	VT-9 and US-20	Best	Best	0	Best	Best	0	Best	Best	0	-	Best	1	-	-	0
Manchester, NH	Syracuse	MA-2 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	I-90 (Exit 46)	-	-	0	-	-	0	Best	Best	0	Best	Best	0	Best	Best	0
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	VT-9, US-20, NY 104	Best	Best	0	Best	Best	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-90 (Exit 51)	-	-	0	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	US - 20(VT-9)	Best	Best	0	-	Best	1	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	Best	-	1	Best	-	1	Best	-	1	Best	Best	0	Best	Best	0
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	-	Best	1	-	Best	1	-	Best	1	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	Best	Best	0	Best	Best	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90	-	-	0	-	-	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	Best	Best	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-90 (Exit 36)	-	-	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	NY-145 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	US-20 (entire route)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	US - 20 and I-88	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-90 (Exit 45)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	US - 20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-90	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	NY-5 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	US - 20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	-	-	0	-	-	0	-	-	0	-	-	0	Best	-	1
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	-	Best	1
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Albany	Buffalo	I-90	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Albany	Buffalo	US20	-	Best	1	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Rochester	Erie	I-90 (Exit 46 to PA Line)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Rochester	Erie	I390 and I86 (I390,408,19,I86)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I-81(I81,I690,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I390 (I86,I390,63)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
			Changes		**2**		**Changes**	**2**		**Changes**	**1**		**Changes**	**2**		**Changes**	**1**
			Average Delta				**Average Delta**			**Average Delta**			**Average Delta**			**Average Delta**	
			$ 3.53		1.31%		$ 4.50	1.46%		$ 5.80	1.59%		$ 6.05	1.55%		$ 6.46	1.47%

Value of Time $/h = 12

Class 2L Vehicles Paying with a Non-NY E-ZPass

Cost/h VOT = >>	$ 12.00
Cost/mile	$ 0.76

Origin	Destination	Route	Time		Distance (Mi)	Additional Route Detail				Toll Rates		Impact Factors			Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	Impacts on Drivers					
			hours	minutes		NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay						New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
																				Value of Time $/h = 12						
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 76.60	$ 267.78	$ 350.83	$ 4.54	0.00	$ 352.66	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 9.31	$ 13.06	0%	$ -	1.00	$ -	$ -	$ 67.40	$ 280.75	$ 361.21	$ 15.63	0.00	$ 367.53	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 76.00	$ 298.29	$ 380.74	$ 4.54	0.00	$ 382.58	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 75.20	$ 310.50	$ 392.15	$ 4.54	0.00	$ 393.99	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 94.07	$ 250.23	$ 345.00	$ -	0.00	$ 345.00	Best	Best	0	$ -	0.00%
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 113.39	$ 277.70	$ 391.79	$ -	0.00	$ 391.79	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 82.20	$ 333.39	$ 418.44	$ -	0.00	$ 418.44	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.15	$ -	$ -	$ 84.86	$ 257.10	$ 348.40	$ 4.54	0.00	$ 350.24	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 73.60	$ 300.58	$ 380.63	$ 4.54	0.00	$ 382.47	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 9.64	$ 13.39	0%	$ -	1.00	$ -	$ -	$ 61.80	$ 264.73	$ 339.92	$ 16.19	0.00	$ 346.47	-	-	0	-	-
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 84.18	$ 222.00	$ 306.88	$ -	0.00	$ 306.88	Best	Best	0	$ -	0.00%
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 92.69	$ 247.18	$ 340.57	$ -	0.00	$ 340.57	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 111.78	$ 266.25	$ 378.73	$ -	0.00	$ 378.73	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 13.72	$ 17.47	0%	$ -	1.00	$ -	$ -	$ 79.40	$ 331.86	$ 428.73	$ 23.04	0.00	$ 438.05	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 6.19	$ 9.94	0%	$ -	1.00	$ -	$ -	$ 90.40	$ 379.92	$ 480.27	$ 10.40	0.00	$ 484.48	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70		0%	$ -	1.00	$ -	$ -	$ 94.60	$ 395.18	$ 489.78	$ 4.54	0.00	$ 498.07	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 133.63	$ 334.15	$ 468.48	$ -	0.00	$ 468.48	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 111.09	$ 292.95	$ 404.04	$ -	0.00	$ 404.04	Best	Best	0	$ -	0.00%
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 100.60	$ 415.02	$ 518.47	$ -	0.00	$ 518.47	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 16.70	$ 20.45	0%	$ -	1.00	$ -	$ -	$ 88.40	$ 373.82	$ 482.67	$ 28.04	0.00	$ 494.01	-	-	0	-	-
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 105.20	$ 412.73	$ 524.38	$ 4.54	0.00	$ 526.21	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 129.95	$ 336.44	$ 466.39	$ -	0.00	$ 466.39	Best	Best	0	$ -	0.00%
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 111.60	$ 434.85	$ 549.30	$ -	0.00	$ 549.30	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 114.00	$ 445.53	$ 562.38	$ -	0.00	$ 562.38	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 17.79	$ 21.54	0%	$ -	1.00	$ -	$ -	$ 106.20	$ 447.06	$ 574.80	$ 29.88	0.00	$ 586.88	Best	-	1	-	-
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 7.07	$ 14.07	0%	$ -	1.00	$ -	$ -	$ 118.20	$ 470.71	$ 602.98	$ 11.87	0.00	$ 607.78	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 10.45	0%	$ -	1.00	$ -	$ -	$ 120.60	$ 483.68	$ 614.73	$ 4.54	0.00	$ 616.56	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 0.70	0%	$ -	1.00	$ -	$ -	$ 113.20	$ 464.61	$ 578.51	$ -	0.00	$ 578.51	-	Best	1	$ 3.71	0.64%
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 6.85	0%	$ -	1.00	$ -	$ -	$ 130.00	$ 510.38	$ 647.23	$ -	0.00	$ 647.23	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.15	$ -	$ -	$ 58.39	$ 176.99	$ 239.64	$ 4.54	0.00	$ 241.47	Best	Best	0	$ 1.83	0.77%
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 9.31	$ 10.86	0%	$ -	1.00	$ -	$ -	$ 45.80	$ 190.73	$ 247.38	$ 15.63	0.00	$ 253.71	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 56.40	$ 211.32	$ 271.97	$ 4.54	0.00	$ 273.81	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 54.20	$ 217.43	$ 275.88	$ 4.54	0.00	$ 277.71	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 74.52	$ 184.62	$ 259.14	$ -	0.00	$ 259.14	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 76.82	$ 181.57	$ 258.39	$ -	0.00	$ 258.39	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 69.92	$ 180.04	$ 249.96	$ -	0.00	$ 249.96	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 62.80	$ 248.71	$ 313.16	$ -	0.00	$ 313.16	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.15	$ -	$ -	$ 56.50	$ 166.31	$ 227.06	$ 4.54	0.00	$ 228.90	Best	Best	0	$ 1.83	0.81%
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 9.64	$ 11.19	0%	$ -	1.00	$ -	$ -	$ 42.20	$ 174.70	$ 228.10	$ 16.19	0.00	$ 234.65	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 55.20	$ 213.61	$ 273.06	$ 4.54	0.00	$ 274.90	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 53.00	$ 219.72	$ 276.97	$ 4.54	0.00	$ 278.80	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 72.68	$ 173.94	$ 246.62	$ -	0.00	$ 246.62	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 74.98	$ 170.89	$ 245.87	$ -	0.00	$ 245.87	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 80.50	$ 217.43	$ 297.93	$ -	0.00	$ 297.93	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 61.60	$ 250.99	$ 314.24	$ -	0.00	$ 314.24	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.15	$ -	$ -	$ 86.57	$ 243.37	$ 334.18	$ 4.54	0.00	$ 336.02	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 13.13	$ 14.68	0%	$ -	1.00	$ -	$ -	$ 58.00	$ 240.31	$ 313.00	$ 22.06	0.00	$ 321.92	Best	Best	0	$ 8.92	2.85%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 72.80	$ 301.35	$ 378.40	$ 4.54	0.00	$ 380.23	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 5.85	$ 7.40	0%	$ -	1.00	$ -	$ -	$ 68.60	$ 285.32	$ 361.32	$ 9.82	0.00	$ 365.30	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 100.05	$ 242.60	$ 342.65	$ -	0.00	$ 342.65	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 102.12	$ 240.31	$ 342.43	$ -	0.00	$ 342.43	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 80.60	$ 329.57	$ 411.82	$ -	0.00	$ 411.82	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 9.76	$ 11.31	0%	$ -	1.15	$ -	$ -	$ 84.67	$ 281.51	$ 377.48	$ 16.38	0.00	$ 384.11	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 16.70	$ 18.25	0%	$ -	1.00	$ -	$ -	$ 67.60	$ 283.04	$ 368.88	$ 28.04	0.00	$ 380.23	Best	Best	0	$ 11.34	3.07%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 9.76	$ 11.31	0%	$ -	1.00	$ -	$ -	$ 80.00	$ 323.47	$ 414.78	$ 16.38	0.00	$ 421.40	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 1.55	0%	$ -	1.00	$ -	$ -	$ 98.00	$ 324.23	$ 423.78	$ -	0.00	$ 423.78	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 125.35	$ 287.61	$ 412.96	$ -	0.00	$ 412.96	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 119.60	$ 283.80	$ 403.40	$ -	0.00	$ 403.40	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 90.00	$ 349.41	$ 441.06	$ -	0.00	$ 441.06	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 17.79	$ 19.34	0%	$ -	1.00	$ -	$ -	$ 87.80	$ 359.33	$ 466.47	$ 29.88	0.00	$ 478.55	Best	Best	0	$ 12.09	2.59%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 7.07	$ 11.87	0%	$ -	1.00	$ -	$ -	$ 97.40	$ 377.64	$ 486.90	$ 11.87	0.00	$ 491.70	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 9.64	$ 12.89	0%	$ -	1.00	$ -	$ -	$ 96.80	$ 374.58	$ 484.28	$ 16.19	0.00	$ 490.83	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 5.00	0%	$ -	1.15	$ -	$ -	$ 137.54	$ 361.61	$ 504.15	$ -	0.00	$ 504.15	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.79	$ 9.34	0%	$ -	1.00	$ -	$ -	$ 98.20	$ 394.42	$ 501.96	$ 6.37	0.00	$ 504.54	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 1.09	$ 8.29	0%	$ -	1.00	$ -	$ -	$ 106.20	$ 422.65	$ 537.14	$ 1.83	0.00	$ 537.88	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 6.34	$ 16.51	0%	$ -	1.00	$ -	$ -	$ 36.00	$ 135.80	$ 188.31	$ 10.65	0.00	$ 192.62	Best	Best	0	$ 4.31	2.29%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 1.37	$ 11.54	0%	$ -	1.15	$ -	$ -	$ 68.31	$ 135.80	$ 215.64	$ 2.29	0.00	$ 216.57	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 8.26	$ 18.43	0%	$ -	1.00	$ -	$ -	$ 35.80	$ 139.61	$ 193.84	$ 13.86	0.00	$ 199.44	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 1.91	$ 13.73	0%	$ -	1.15	$ -	$ -	$ 58.65	$ 142.66	$ 215.04	$ 3.21	0.00	$ 216.34	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 6.34	$ 33.51	0%	$ -	1.00	$ -	$ -	$ 36.80	$ 135.80	$ 206.11	$ 10.65	0.00	$ 210.42	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 7.98	$ 18.15	0%	$ -	1.15	$ -	$ -	$ 66.70	$ 136.56	$ 221.41	$ 15.86	0.00	$ 229.29	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 12.96	$ 23.13	0%	$ -	1.00	$ -	$ -	$ 35.60	$ 139.61	$ 198.34	$ 24.22	0.00	$ 209.60	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 4.83	$ 16.65	0%	$ -	1.00	$ -	$ -	$ 36.60	$ 143.43	$ 196.67	$ 8.11	0.00	$ 199.95	Best	Best	0	$ 3.28	1.67%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 6.34	$ 6.34	0%	$ -	1.00	$ -	$ -	$ 33.00	$ 122.83	$ 162.17	$ 10.65	0.00	$ 166.48	Best	Best	0	$ 4.31	2.66%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 58.80	$ 207.51	$ 266.31	$ -	0.00	$ 266.31	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 14.00	$ 14.00	0%	$ -	1.00	$ -	$ -	$ 50.40	$ 222.00	$ 286.40	$ 23.51	0.00	$ 295.91	Best	-	1	-	-
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 64.80	$ 256.33	$ 321.13	$ -	0.00	$ 321.13	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 80.04	$ 212.09	$ 292.13	$ -	0.00	$ 292.13	-	Best	1	$ 5.73	1.96%
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 5.72	$ 5.72	0%	$ -	1.00	$ -	$ -	$ 30.60	$ 112.91	$ 149.23	$ 9.61	0.00	$ 153.12	Best	Best	0	$ 3.89	2.61%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	2	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 0.44	$ 0.44	0%	$ -	1.00	$ -	$ -	$ 35.80	$ 119.01	$ 155.25	$ 0.73	0.00	$ 155.55	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 60.00	$ 237.26	$ 298.51	$ -	0.00	$ 298.51	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 16.47	$ 16.47	0%	$ -	1.00	$ -	$ -	$ 65.80	$ 282.27	$ 364.54	$ 27.65	0.00	$ 375.73	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 3.15	$ 4.40	0%	$ -	1.00	$ -	$ -	$ 63.80	$ 255.57	$ 323.77	$ 5.29	0.00	$ 325.91	Best	Best	0	$ 2.14	0.66%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 65.20	$ 270.83	$ 337.28	$ -	0.00	$ 337.28	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 20.03	$ 20.03	0%	$ -	1.00	$ -	$ -	$ 77.20	$ 331.10	$ 428.33	$ 33.64	0.00	$ 441.94	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 6.71	$ 7.96	0%	$ -	1.00	$ -	$ -	$ 78.40	$ 305.16	$ 391.52	$ 11.27	0.00	$ 396.08	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 75.60	$ 289.90	$ 366.75	$ -	0.00	$ 366.75	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 5.56	$ 5.56	0%	$ -	1.00	$ -	$ -	$ 31.00	$ 123.59	$ 160.15	$ 9.34	0.00	$ 163.93	Best	Best	0	$ 3.78	2.36%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 44.20	$ 157.92	$ 202.12	$ -	0.00	$ 202.12	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 49.91	$ 122.83	$ 172.74	$ -	0.00	$ 172.74	-	-	0	-	-
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 5.16	$ 5.16	0%	$ -	1.00	$ -	$ -	$ 34.40	$ 141.14	$ 180.70	$ 8.66	0.00	$ 184.20	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 3.24	$ 3.24	0%	$ -	1.15	$ -	$ -	$ 38.68	$ 125.88	$ 167.80	$ 5.44	0.00	$ 170.00	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 33.20	$ 128.17	$ 161.37	$ -	0.00	$ 161.37	Best	Best	0	$ -	0.00%
																							# Changes	2	Average Delta	
																									$ 3.53	1.31%

Value of Time $/h = 18

Class 2L Vehicles Paying with a Non-NY E-ZPass

						Additional Route Detail				Toll Rates		Impact Factors																		
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
			hours	minutes																								
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 114.90	$ 267.78	$ 389.13	$ 4.54	0.00	$ 390.96	Best	Best	0	$ 1.83	0.47%
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 9.31	$ 13.06	0%	$ -	1.00	$ -	$ -	$ 101.10	$ 280.75	$ 394.91	$ 15.63	0.00	$ 401.23	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 114.00	$ 298.29	$ 418.74	$ 4.54	0.00	$ 420.58	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 112.80	$ 310.50	$ 429.75	$ 4.54	0.00	$ 431.59	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 141.11	$ 250.23	$ 392.04	$ -	0.00	$ 392.04	-	-	0	-	-
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 170.09	$ 277.70	$ 448.48	$ -	0.00	$ 448.48	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 123.30	$ 333.39	$ 459.54	$ -	0.00	$ 459.54	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.15	$ -	$ -	$ 127.28	$ 257.10	$ 390.83	$ 4.54	0.00	$ 392.67	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 110.40	$ 300.58	$ 417.43	$ 4.54	0.00	$ 419.27	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 9.64	$ 13.39	0%	$ -	1.00	$ -	$ -	$ 92.70	$ 264.73	$ 370.82	$ 16.19	0.00	$ 377.37	-	-	0	-	-
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 126.27	$ 222.00	$ 348.97	$ -	0.00	$ 348.97	Best	Best	0	$ -	0.00%
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 139.04	$ 247.18	$ 386.91	$ -	0.00	$ 386.91	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 167.67	$ 266.25	$ 434.62	$ -	0.00	$ 434.62	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 13.72	$ 17.47	0%	$ -	1.00	$ -	$ -	$ 119.10	$ 331.86	$ 468.43	$ 23.04	0.00	$ 477.75	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 6.19	$ 9.94	0%	$ -	1.00	$ -	$ -	$ 135.60	$ 379.92	$ 525.47	$ 10.40	0.00	$ 529.68	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70		0%	$ -	1.00	$ -	$ -	$ 141.90	$ 395.18	$ 537.08	$ 4.54	0.00	$ 545.37	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 200.45	$ 334.15	$ 535.30	$ -	0.00	$ 535.30	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 166.64	$ 292.95	$ 459.59	$ -	0.00	$ 459.59	Best	Best	0	$ -	0.00%
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 150.90	$ 415.02	$ 568.77	$ -	0.00	$ 568.77	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 16.70	$ 20.45	0%	$ -	1.00	$ -	$ -	$ 132.60	$ 373.82	$ 526.87	$ 28.04	0.00	$ 538.21	Best	-	1	-	-
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 157.80	$ 412.73	$ 576.98	$ 4.54	0.00	$ 578.81	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 194.93	$ 336.44	$ 531.36	$ -	0.00	$ 531.36	-	Best	1	$ 4.50	0.85%
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 167.40	$ 434.85	$ 605.10	$ -	0.00	$ 605.10	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 171.00	$ 445.53	$ 619.38	$ -	0.00	$ 619.38	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 17.79	$ 21.54	0%	$ -	1.00	$ -	$ -	$ 159.30	$ 447.06	$ 627.90	$ 29.88	0.00	$ 639.98	Best	-	1	-	-
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 7.07	$ 14.07	0%	$ -	1.00	$ -	$ -	$ 177.30	$ 470.71	$ 662.08	$ 11.87	0.00	$ 666.88	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 10.45	0%	$ -	1.00	$ -	$ -	$ 180.90	$ 483.68	$ 675.03	$ 4.54	0.00	$ 676.86	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 0.70	0%	$ -	1.00	$ -	$ -	$ 169.80	$ 464.61	$ 635.11	$ -	0.00	$ 635.11	-	Best	1	$ 7.21	1.13%
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 6.85	0%	$ -	1.00	$ -	$ -	$ 195.00	$ 510.38	$ 712.23	$ -	0.00	$ 712.23	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.15	$ -	$ -	$ 87.59	$ 176.99	$ 268.83	$ 4.54	0.00	$ 270.67	Best	Best	0	$ 1.83	0.68%
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 9.31	$ 10.86	0%	$ -	1.00	$ -	$ -	$ 68.70	$ 190.73	$ 270.28	$ 15.63	0.00	$ 276.61	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 84.60	$ 211.32	$ 300.17	$ 4.54	0.00	$ 302.01	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 81.30	$ 217.43	$ 302.98	$ 4.54	0.00	$ 304.81	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 111.78	$ 184.62	$ 296.40	$ -	0.00	$ 296.40	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 115.23	$ 181.57	$ 296.80	$ -	0.00	$ 296.80	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 104.88	$ 180.04	$ 284.92	$ -	0.00	$ 284.92	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 94.20	$ 248.71	$ 344.56	$ -	0.00	$ 344.56	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.15	$ -	$ -	$ 84.75	$ 166.31	$ 255.31	$ 4.54	0.00	$ 257.15	-	-	0	-	-
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 9.64	$ 11.19	0%	$ -	1.00	$ -	$ -	$ 63.30	$ 174.70	$ 249.20	$ 16.19	0.00	$ 255.75	Best	Best	0	$ 6.55	2.63%
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 82.80	$ 213.61	$ 300.66	$ 4.54	0.00	$ 302.50	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 79.50	$ 219.72	$ 303.47	$ 4.54	0.00	$ 305.30	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 109.02	$ 173.94	$ 282.96	$ -	0.00	$ 282.96	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 112.47	$ 170.89	$ 283.36	$ -	0.00	$ 283.36	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 120.75	$ 217.43	$ 338.18	$ -	0.00	$ 338.18	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 92.40	$ 250.99	$ 345.04	$ -	0.00	$ 345.04	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.15	$ -	$ -	$ 129.85	$ 243.37	$ 377.47	$ 4.54	0.00	$ 379.30	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 13.13	$ 14.68	0%	$ -	1.00	$ -	$ -	$ 87.00	$ 240.31	$ 342.00	$ 22.06	0.00	$ 350.92	Best	Best	0	$ 8.92	2.61%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 109.20	$ 301.35	$ 414.80	$ 4.54	0.00	$ 416.63	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 5.85	$ 7.40	0%	$ -	1.00	$ -	$ -	$ 102.90	$ 285.32	$ 395.62	$ 9.82	0.00	$ 399.60	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 150.08	$ 242.60	$ 392.68	$ -	0.00	$ 392.68	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 153.18	$ 240.31	$ 393.49	$ -	0.00	$ 393.49	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 120.90	$ 329.57	$ 452.12	$ -	0.00	$ 452.12	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 9.76	$ 11.31	0%	$ -	1.15	$ -	$ -	$ 127.00	$ 281.51	$ 419.81	$ 16.38	0.00	$ 426.44	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 16.70	$ 18.25	0%	$ -	1.00	$ -	$ -	$ 101.40	$ 283.04	$ 402.68	$ 28.04	0.00	$ 414.03	Best	Best	0	$ 11.34	2.82%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 9.76	$ 11.31	0%	$ -	1.00	$ -	$ -	$ 120.00	$ 323.47	$ 454.78	$ 16.38	0.00	$ 461.40	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 1.55	0%	$ -	1.00	$ -	$ -	$ 147.00	$ 324.23	$ 472.78	$ -	0.00	$ 472.78	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 188.03	$ 287.61	$ 475.64	$ -	0.00	$ 475.64	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 179.40	$ 283.80	$ 463.20	$ -	0.00	$ 463.20	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 135.00	$ 349.41	$ 486.06	$ -	0.00	$ 486.06	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 17.79	$ 19.34	0%	$ -	1.00	$ -	$ -	$ 131.70	$ 359.33	$ 510.37	$ 29.88	0.00	$ 522.45	Best	Best	0	$ 12.09	2.37%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 7.07	$ 11.87	0%	$ -	1.00	$ -	$ -	$ 146.10	$ 377.64	$ 535.60	$ 11.87	0.00	$ 540.40	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 9.64	$ 12.89	0%	$ -	1.00	$ -	$ -	$ 145.20	$ 374.58	$ 532.68	$ 16.19	0.00	$ 539.23	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 5.00	0%	$ -	1.15	$ -	$ -	$ 206.31	$ 361.61	$ 572.92	$ -	0.00	$ 572.92	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.79	$ 9.34	0%	$ -	1.00	$ -	$ -	$ 147.30	$ 394.42	$ 551.06	$ 6.37	0.00	$ 553.64	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 1.09	$ 8.29	0%	$ -	1.00	$ -	$ -	$ 159.30	$ 422.65	$ 590.24	$ 1.83	0.00	$ 590.98	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 6.34	$ 16.51	0%	$ -	1.00	$ -	$ -	$ 54.00	$ 135.80	$ 206.31	$ 10.65	0.00	$ 210.62	Best	Best	0	$ 4.31	2.09%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 1.37	$ 11.54	0%	$ -	1.15	$ -	$ -	$ 102.47	$ 135.80	$ 249.80	$ 2.29	0.00	$ 250.72	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 8.26	$ 18.43	0%	$ -	1.00	$ -	$ -	$ 53.70	$ 139.61	$ 211.74	$ 13.86	0.00	$ 217.34	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 1.91	$ 13.73	0%	$ -	1.15	$ -	$ -	$ 87.98	$ 142.66	$ 244.37	$ 3.21	0.00	$ 245.67	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 6.34	$ 33.51	0%	$ -	1.00	$ -	$ -	$ 55.20	$ 135.80	$ 224.51	$ 10.65	0.00	$ 228.82	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 7.98	$ 18.15	0%	$ -	1.15	$ -	$ -	$ 100.05	$ 136.56	$ 254.76	$ 15.86	0.00	$ 262.64	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 12.96	$ 23.13	0%	$ -	1.00	$ -	$ -	$ 53.40	$ 139.61	$ 216.14	$ 24.22	0.00	$ 227.40	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 4.83	$ 16.65	0%	$ -	1.00	$ -	$ -	$ 54.90	$ 143.43	$ 214.97	$ 8.11	0.00	$ 218.25	Best	Best	0	$ 3.28	1.53%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 6.34	$ 6.34	0%	$ -	1.00	$ -	$ -	$ 49.50	$ 122.83	$ 178.67	$ 10.65	0.00	$ 182.98	Best	Best	0	$ 4.31	2.41%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 88.20	$ 207.51	$ 295.71	$ -	0.00	$ 295.71	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 14.00	$ 14.00	0%	$ -	1.00	$ -	$ -	$ 75.60	$ 222.00	$ 311.60	$ 23.51	0.00	$ 321.11	Best	Best	0	$ 9.51	3.05%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 97.20	$ 256.33	$ 353.53	$ -	0.00	$ 353.53	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 120.06	$ 212.09	$ 332.15	$ -	0.00	$ 332.15	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 5.72	$ 5.72	0%	$ -	1.00	$ -	$ -	$ 45.90	$ 112.91	$ 164.53	$ 9.61	0.00	$ 168.42	Best	Best	0	$ 3.89	2.36%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	2	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 0.44	$ 0.44	0%	$ -	1.00	$ -	$ -	$ 53.70	$ 119.01	$ 173.15	$ 0.73	0.00	$ 173.45	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 90.00	$ 237.26	$ 328.51	$ -	0.00	$ 328.51	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 16.47	$ 16.47	0%	$ -	1.00	$ -	$ -	$ 98.70	$ 282.27	$ 397.44	$ 27.65	0.00	$ 408.63	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 3.15	$ 4.40	0%	$ -	1.00	$ -	$ -	$ 95.70	$ 255.57	$ 355.67	$ 5.29	0.00	$ 357.81	Best	Best	0	$ 2.14	0.60%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 97.80	$ 270.83	$ 369.88	$ -	0.00	$ 369.88	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 20.03	$ 20.03	0%	$ -	1.00	$ -	$ -	$ 115.80	$ 331.10	$ 466.93	$ 33.64	0.00	$ 480.54	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 6.71	$ 7.96	0%	$ -	1.00	$ -	$ -	$ 117.60	$ 305.16	$ 430.72	$ 11.27	0.00	$ 435.28	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 113.40	$ 289.90	$ 404.55	$ -	0.00	$ 404.55	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 5.56	$ 5.56	0%	$ -	1.00	$ -	$ -	$ 46.50	$ 123.59	$ 175.65	$ 9.34	0.00	$ 179.43	Best	Best	0	$ 3.78	2.15%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 66.30	$ 157.92	$ 224.22	$ -	0.00	$ 224.22	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 74.87	$ 122.83	$ 197.69	$ -	0.00	$ 197.69	-	-	0	-	-
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 5.16	$ 5.16	0%	$ -	1.00	$ -	$ -	$ 51.60	$ 141.14	$ 197.90	$ 8.66	0.00	$ 201.40	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 3.24	$ 3.24	0%	$ -	1.15	$ -	$ -	$ 58.02	$ 125.88	$ 187.14	$ 5.44	0.00	$ 189.34	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 49.80	$ 128.17	$ 177.97	$ -	0.00	$ 177.97	Best	Best	0	$ -	0.00%

Cost/h	VOT = >>	$ 18.00
Cost/mile		$ 0.76

Impacts on Drivers	
Value of Time $/h = 18	
# Changes	2
Average Delta	$ 4.50
	1.46%

Value of Time $/h = 25

Class 2L Vehicles Paying with a Non-NY E-ZPass

						Additional Route Detail				Toll Rates		Impact Factors																		
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
			hours	minutes																								
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 159.58	$ 267.78	$ 433.81	$ 4.54	0.00	$ 435.65	Best	Best	0	$ 1.83	0.42%
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 9.31	$ 13.06	0%	$ -	1.00	$ -	$ -	$ 140.42	$ 280.75	$ 434.22	$ 15.63	0.00	$ 440.55	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 158.33	$ 298.29	$ 463.08	$ 4.54	0.00	$ 464.91	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 156.67	$ 310.50	$ 473.62	$ 4.54	0.00	$ 475.45	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 195.98	$ 250.23	$ 446.91	$ -	0.00	$ 446.91	-	-	0	-	-
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 236.23	$ 277.70	$ 514.62	$ -	0.00	$ 514.62	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 171.25	$ 333.39	$ 507.49	$ -	0.00	$ 507.49	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.15	$ -	$ -	$ 176.78	$ 257.10	$ 440.33	$ 4.54	0.00	$ 442.17	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 153.33	$ 300.58	$ 460.37	$ 4.54	0.00	$ 462.20	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 9.64	$ 13.39	0%	$ -	1.00	$ -	$ -	$ 128.75	$ 264.73	$ 406.87	$ 16.19	0.00	$ 413.42	-	-	0	-	-
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 175.38	$ 222.00	$ 398.08	$ -	0.00	$ 398.08	Best	Best	0	$ -	0.00%
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 193.10	$ 247.18	$ 440.98	$ -	0.00	$ 440.98	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 232.88	$ 266.25	$ 499.83	$ -	0.00	$ 499.83	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 13.72	$ 17.47	0%	$ -	1.00	$ -	$ -	$ 165.42	$ 331.86	$ 514.75	$ 23.04	0.00	$ 524.07	Best	Best	0	$ 9.32	1.81%
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 6.19	$ 9.94	0%	$ -	1.00	$ -	$ -	$ 188.33	$ 379.92	$ 578.20	$ 10.40	0.00	$ 582.41	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70		0%	$ -	1.00	$ -	$ -	$ 197.08	$ 395.18	$ 592.27	$ 4.54	0.00	$ 600.55	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 278.40	$ 334.15	$ 613.25	$ -	0.00	$ 613.25	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 231.44	$ 292.95	$ 524.39	$ -	0.00	$ 524.39	-	-	0	-	-
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 209.58	$ 415.02	$ 627.45	$ -	0.00	$ 627.45	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 16.70	$ 20.45	0%	$ -	1.00	$ -	$ -	$ 184.17	$ 373.82	$ 578.43	$ 28.04	0.00	$ 589.78	Best	Best	0	$ 11.34	1.96%
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 219.17	$ 412.73	$ 638.35	$ 4.54	0.00	$ 640.18	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 270.73	$ 336.44	$ 607.17	$ -	0.00	$ 607.17	-	-	0	-	-
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 232.50	$ 434.85	$ 670.20	$ -	0.00	$ 670.20	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 237.50	$ 445.53	$ 685.88	$ -	0.00	$ 685.88	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 17.79	$ 21.54	0%	$ -	1.00	$ -	$ -	$ 221.25	$ 447.06	$ 689.85	$ 29.88	0.00	$ 701.93	Best	-	1	-	-
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 7.07	$ 14.07	0%	$ -	1.00	$ -	$ -	$ 246.25	$ 470.71	$ 731.03	$ 11.87	0.00	$ 735.83	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 10.45	0%	$ -	1.00	$ -	$ -	$ 251.25	$ 483.68	$ 745.38	$ 4.54	0.00	$ 747.21	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 0.70	0%	$ -	1.00	$ -	$ -	$ 235.83	$ 464.61	$ 701.14	$ -	0.00	$ 701.14	-	Best	1	$ 11.29	1.61%
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 6.85	0%	$ -	1.00	$ -	$ -	$ 270.83	$ 510.38	$ 788.06	$ -	0.00	$ 788.06	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.15	$ -	$ -	$ 121.65	$ 176.99	$ 302.90	$ 4.54	0.00	$ 304.73	-	-	0	-	-
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 9.31	$ 10.86	0%	$ -	1.00	$ -	$ -	$ 95.42	$ 190.73	$ 297.00	$ 15.63	0.00	$ 303.32	Best	Best	0	$ 6.32	2.13%
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 117.50	$ 211.32	$ 333.07	$ 4.54	0.00	$ 334.91	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 112.92	$ 217.43	$ 334.59	$ 4.54	0.00	$ 336.43	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 155.25	$ 184.62	$ 339.87	$ -	0.00	$ 339.87	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 160.04	$ 181.57	$ 341.61	$ -	0.00	$ 341.61	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 145.67	$ 180.04	$ 325.71	$ -	0.00	$ 325.71	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 130.83	$ 248.71	$ 381.19	$ -	0.00	$ 381.19	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.15	$ -	$ -	$ 117.71	$ 166.31	$ 288.27	$ 4.54	0.00	$ 290.11	-	-	0	-	-
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 9.64	$ 11.19	0%	$ -	1.00	$ -	$ -	$ 87.92	$ 174.70	$ 273.81	$ 16.19	0.00	$ 280.36	Best	Best	0	$ 6.55	2.39%
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 115.00	$ 213.61	$ 332.86	$ 4.54	0.00	$ 334.70	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 110.42	$ 219.72	$ 334.38	$ 4.54	0.00	$ 336.22	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 151.42	$ 173.94	$ 325.36	$ -	0.00	$ 325.36	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 156.21	$ 170.89	$ 327.10	$ -	0.00	$ 327.10	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 167.71	$ 217.43	$ 385.13	$ -	0.00	$ 385.13	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 128.33	$ 250.99	$ 380.98	$ -	0.00	$ 380.98	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.15	$ -	$ -	$ 180.35	$ 243.37	$ 427.97	$ 4.54	0.00	$ 429.80	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 13.13	$ 14.68	0%	$ -	1.00	$ -	$ -	$ 120.83	$ 240.31	$ 375.83	$ 22.06	0.00	$ 384.75	Best	Best	0	$ 8.92	2.37%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 151.67	$ 301.35	$ 457.26	$ 4.54	0.00	$ 459.10	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 5.85	$ 7.40	0%	$ -	1.00	$ -	$ -	$ 142.92	$ 285.32	$ 435.64	$ 9.82	0.00	$ 439.61	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 208.44	$ 242.60	$ 451.04	$ -	0.00	$ 451.04	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 212.75	$ 240.31	$ 453.06	$ -	0.00	$ 453.06	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 167.92	$ 329.57	$ 499.14	$ -	0.00	$ 499.14	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 9.76	$ 11.31	0%	$ -	1.15	$ -	$ -	$ 176.39	$ 281.51	$ 469.20	$ 16.38	0.00	$ 475.83	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 16.70	$ 18.25	0%	$ -	1.00	$ -	$ -	$ 140.83	$ 283.04	$ 442.12	$ 28.04	0.00	$ 453.46	Best	Best	0	$ 11.34	2.57%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 9.76	$ 11.31	0%	$ -	1.00	$ -	$ -	$ 166.67	$ 323.47	$ 501.44	$ 16.38	0.00	$ 508.07	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 1.55	0%	$ -	1.00	$ -	$ -	$ 204.17	$ 324.23	$ 529.95	$ -	0.00	$ 529.95	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 261.15	$ 287.61	$ 548.76	$ -	0.00	$ 548.76	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 249.17	$ 283.80	$ 532.97	$ -	0.00	$ 532.97	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 187.50	$ 349.41	$ 538.56	$ -	0.00	$ 538.56	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 17.79	$ 19.34	0%	$ -	1.00	$ -	$ -	$ 182.92	$ 359.33	$ 561.58	$ 29.88	0.00	$ 573.67	Best	Best	0	$ 12.09	2.15%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 7.07	$ 11.87	0%	$ -	1.00	$ -	$ -	$ 202.92	$ 377.64	$ 592.42	$ 11.87	0.00	$ 597.22	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 9.64	$ 12.89	0%	$ -	1.00	$ -	$ -	$ 201.67	$ 374.58	$ 589.14	$ 16.19	0.00	$ 595.69	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 5.00	0%	$ -	1.15	$ -	$ -	$ 286.54	$ 361.61	$ 653.16	$ -	0.00	$ 653.16	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.79	$ 9.34	0%	$ -	1.00	$ -	$ -	$ 204.58	$ 394.42	$ 608.35	$ 6.37	0.00	$ 610.92	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 1.09	$ 8.29	0%	$ -	1.00	$ -	$ -	$ 221.25	$ 422.65	$ 652.19	$ 1.83	0.00	$ 652.93	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 6.34	$ 16.51	0%	$ -	1.00	$ -	$ -	$ 75.00	$ 135.80	$ 227.31	$ 10.65	0.00	$ 231.62	Best	Best	0	$ 4.31	1.90%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 1.37	$ 11.54	0%	$ -	1.15	$ -	$ -	$ 142.31	$ 135.80	$ 289.64	$ 2.29	0.00	$ 290.57	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 8.26	$ 18.43	0%	$ -	1.00	$ -	$ -	$ 74.58	$ 139.61	$ 232.62	$ 13.86	0.00	$ 238.23	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 1.91	$ 13.73	0%	$ -	1.15	$ -	$ -	$ 122.19	$ 142.66	$ 278.58	$ 3.21	0.00	$ 279.88	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 6.34	$ 33.51	0%	$ -	1.00	$ -	$ -	$ 76.67	$ 135.80	$ 245.98	$ 10.65	0.00	$ 250.29	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 7.98	$ 18.15	0%	$ -	1.15	$ -	$ -	$ 138.96	$ 136.56	$ 293.67	$ 15.86	0.00	$ 301.54	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 12.96	$ 23.13	0%	$ -	1.00	$ -	$ -	$ 74.17	$ 139.61	$ 236.90	$ 24.22	0.00	$ 248.16	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 4.83	$ 16.65	0%	$ -	1.00	$ -	$ -	$ 76.25	$ 143.43	$ 236.32	$ 8.11	0.00	$ 239.60	Best	Best	0	$ 3.28	1.39%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 6.34	$ 6.34	0%	$ -	1.00	$ -	$ -	$ 68.75	$ 122.83	$ 197.92	$ 10.65	0.00	$ 202.23	Best	Best	0	$ 4.31	2.18%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 122.50	$ 207.51	$ 330.01	$ -	0.00	$ 330.01	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 14.00	$ 14.00	0%	$ -	1.00	$ -	$ -	$ 105.00	$ 222.00	$ 341.00	$ 23.51	0.00	$ 350.51	Best	Best	0	$ 9.51	2.79%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 135.00	$ 256.33	$ 391.33	$ -	0.00	$ 391.33	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 166.75	$ 212.09	$ 378.84	$ -	0.00	$ 378.84	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 5.72	$ 5.72	0%	$ -	1.00	$ -	$ -	$ 63.75	$ 112.91	$ 182.38	$ 9.61	0.00	$ 186.27	Best	Best	0	$ 3.89	2.13%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	2	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 0.44	$ 0.44	0%	$ -	1.00	$ -	$ -	$ 74.58	$ 119.01	$ 194.03	$ 0.73	0.00	$ 194.33	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 125.00	$ 237.26	$ 363.51	$ -	0.00	$ 363.51	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 16.47	$ 16.47	0%	$ -	1.00	$ -	$ -	$ 137.08	$ 282.27	$ 435.82	$ 27.65	0.00	$ 447.01	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 3.15	$ 4.40	0%	$ -	1.00	$ -	$ -	$ 132.92	$ 255.57	$ 392.89	$ 5.29	0.00	$ 395.03	Best	Best	0	$ 2.14	0.54%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 135.83	$ 270.83	$ 407.91	$ -	0.00	$ 407.91	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 20.03	$ 20.03	0%	$ -	1.00	$ -	$ -	$ 160.83	$ 331.10	$ 511.96	$ 33.64	0.00	$ 525.57	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 6.71	$ 7.96	0%	$ -	1.00	$ -	$ -	$ 163.33	$ 305.16	$ 476.45	$ 11.27	0.00	$ 481.01	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 157.50	$ 289.90	$ 448.65	$ -	0.00	$ 448.65	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 5.56	$ 5.56	0%	$ -	1.00	$ -	$ -	$ 64.58	$ 123.59	$ 193.74	$ 9.34	0.00	$ 197.51	Best	Best	0	$ 3.78	1.95%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 92.08	$ 157.92	$ 250.00	$ -	0.00	$ 250.00	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 103.98	$ 122.83	$ 226.81	$ -	0.00	$ 226.81	-	-	0	-	-
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 5.16	$ 5.16	0%	$ -	1.00	$ -	$ -	$ 71.67	$ 141.14	$ 217.96	$ 8.66	0.00	$ 221.47	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 3.24	$ 3.24	0%	$ -	1.15	$ -	$ -	$ 80.59	$ 125.88	$ 209.71	$ 5.44	0.00	$ 211.91	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 69.17	$ 128.17	$ 197.33	$ -	0.00	$ 197.33	Best	Best	0	$ -	0.00%

Cost/h	VOT = >>	$ 25.00
Cost/mile		$ 0.76

Impacts on Drivers	
Value of Time $/h = 25	
# Changes	1
Average Delta	$ 5.80
	1.59%

Value of Time $/h = 30

Class 2L Vehicles Paying with a Non-NY E-ZPass

						Additional Route Detail				Toll Rates		Impact Factors																	
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
			hours	minutes																									
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 191.50	$ 267.78	$ 465.73	$ 4.54	0.00	$ 467.56	-	Best	1	$ 5.26	1.13%
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 9.31	$ 13.06	0%	$ -	1.00	$ -	$ -	$ 168.50	$ 280.75	$ 462.31	$ 15.63	0.00	$ 468.63	Best	-	1	-	-
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 190.00	$ 298.29	$ 494.74	$ 4.54	0.00	$ 496.58	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 188.00	$ 310.50	$ 504.95	$ 4.54	0.00	$ 506.79	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 235.18	$ 250.23	$ 486.11	$ -	0.00	$ 486.11	-	-	0	-	-
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 283.48	$ 277.70	$ 561.87	$ -	0.00	$ 561.87	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 205.50	$ 333.39	$ 541.74	$ -	0.00	$ 541.74	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.15	$ -	$ -	$ 212.14	$ 257.10	$ 475.69	$ 4.54	0.00	$ 477.52	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 184.00	$ 300.58	$ 491.03	$ 4.54	0.00	$ 492.87	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 9.64	$ 13.39	0%	$ -	1.00	$ -	$ -	$ 154.50	$ 264.73	$ 432.62	$ 16.19	0.00	$ 439.17	Best	-	1	-	-
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 210.45	$ 222.00	$ 433.15	$ -	0.00	$ 433.15	-	Best	1	$ 0.54	0.12%
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 231.73	$ 247.18	$ 479.60	$ -	0.00	$ 479.60	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 279.45	$ 266.25	$ 546.40	$ -	0.00	$ 546.40	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 13.72	$ 17.47	0%	$ -	1.00	$ -	$ -	$ 198.50	$ 331.86	$ 547.83	$ 23.04	0.00	$ 557.15	Best	Best	0	$ 9.32	1.70%
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 6.19	$ 9.94	0%	$ -	1.00	$ -	$ -	$ 226.00	$ 379.92	$ 615.87	$ 10.40	0.00	$ 620.08	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70		0%	$ -	1.00	$ -	$ -	$ 236.50	$ 395.18	$ 631.68	$ 4.54	0.00	$ 639.97	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 334.08	$ 334.15	$ 668.93	$ -	0.00	$ 668.93	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 277.73	$ 292.95	$ 570.68	$ -	0.00	$ 570.68	-	-	0	-	-
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 251.50	$ 415.02	$ 669.37	$ -	0.00	$ 669.37	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 16.70	$ 20.45	0%	$ -	1.00	$ -	$ -	$ 221.00	$ 373.82	$ 615.27	$ 28.04	0.00	$ 626.61	Best	Best	0	$ 11.34	1.84%
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 263.00	$ 412.73	$ 682.18	$ 4.54	0.00	$ 684.01	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 324.88	$ 336.44	$ 661.31	$ -	0.00	$ 661.31	-	-	0	-	-
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 279.00	$ 434.85	$ 716.70	$ -	0.00	$ 716.70	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 285.00	$ 445.53	$ 733.38	$ -	0.00	$ 733.38	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 17.79	$ 21.54	0%	$ -	1.00	$ -	$ -	$ 265.50	$ 447.06	$ 734.10	$ 29.88	0.00	$ 746.18	Best	Best	0	$ 12.09	1.65%
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 7.07	$ 14.07	0%	$ -	1.00	$ -	$ -	$ 295.50	$ 470.71	$ 780.28	$ 11.87	0.00	$ 785.08	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 10.45	0%	$ -	1.00	$ -	$ -	$ 301.50	$ 483.68	$ 795.63	$ 4.54	0.00	$ 797.46	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 0.70	0%	$ -	1.00	$ -	$ -	$ 283.00	$ 464.61	$ 748.31	$ -	0.00	$ 748.31	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 6.85	0%	$ -	1.00	$ -	$ -	$ 325.00	$ 510.38	$ 842.23	$ -	0.00	$ 842.23	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.15	$ -	$ -	$ 145.98	$ 176.99	$ 327.23	$ 4.54	0.00	$ 329.06	-	-	0	-	-
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 9.31	$ 10.86	0%	$ -	1.00	$ -	$ -	$ 114.50	$ 190.73	$ 316.08	$ 15.63	0.00	$ 322.41	Best	Best	0	$ 6.32	2.00%
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 141.00	$ 211.32	$ 356.57	$ 4.54	0.00	$ 358.41	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 135.50	$ 217.43	$ 357.18	$ 4.54	0.00	$ 359.01	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 186.30	$ 184.62	$ 370.92	$ -	0.00	$ 370.92	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 192.05	$ 181.57	$ 373.62	$ -	0.00	$ 373.62	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 174.80	$ 180.04	$ 354.84	$ -	0.00	$ 354.84	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 157.00	$ 248.71	$ 407.36	$ -	0.00	$ 407.36	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.15	$ -	$ -	$ 141.25	$ 166.31	$ 311.82	$ 4.54	0.00	$ 313.65	-	-	0	-	-
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 9.64	$ 11.19	0%	$ -	1.00	$ -	$ -	$ 105.50	$ 174.70	$ 291.40	$ 16.19	0.00	$ 297.95	Best	Best	0	$ 6.55	2.25%
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 138.00	$ 213.61	$ 355.86	$ 4.54	0.00	$ 357.70	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 132.50	$ 219.72	$ 356.47	$ 4.54	0.00	$ 358.30	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 181.70	$ 173.94	$ 355.64	$ -	0.00	$ 355.64	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 187.45	$ 170.89	$ 358.34	$ -	0.00	$ 358.34	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 201.25	$ 217.43	$ 418.68	$ -	0.00	$ 418.68	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 154.00	$ 250.99	$ 406.64	$ -	0.00	$ 406.64	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.15	$ -	$ -	$ 216.42	$ 243.37	$ 464.04	$ 4.54	0.00	$ 465.87	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 13.13	$ 14.68	0%	$ -	1.00	$ -	$ -	$ 145.00	$ 240.31	$ 400.00	$ 22.06	0.00	$ 408.92	Best	Best	0	$ 8.92	2.23%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 182.00	$ 301.35	$ 487.60	$ 4.54	0.00	$ 489.43	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 5.85	$ 7.40	0%	$ -	1.00	$ -	$ -	$ 171.50	$ 285.32	$ 464.22	$ 9.82	0.00	$ 468.20	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 250.13	$ 242.60	$ 492.73	$ -	0.00	$ 492.73	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 255.30	$ 240.31	$ 495.61	$ -	0.00	$ 495.61	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 201.50	$ 329.57	$ 532.72	$ -	0.00	$ 532.72	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 9.76	$ 11.31	0%	$ -	1.15	$ -	$ -	$ 211.66	$ 281.51	$ 504.48	$ 16.38	0.00	$ 511.11	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 16.70	$ 18.25	0%	$ -	1.00	$ -	$ -	$ 169.00	$ 283.04	$ 470.28	$ 28.04	0.00	$ 481.63	Best	Best	0	$ 11.34	2.41%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 9.76	$ 11.31	0%	$ -	1.00	$ -	$ -	$ 200.00	$ 323.47	$ 534.78	$ 16.38	0.00	$ 541.40	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 1.55	0%	$ -	1.00	$ -	$ -	$ 245.00	$ 324.23	$ 570.78	$ -	0.00	$ 570.78	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 313.38	$ 287.61	$ 600.99	$ -	0.00	$ 600.99	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 299.00	$ 283.80	$ 582.80	$ -	0.00	$ 582.80	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 225.00	$ 349.41	$ 576.06	$ -	0.00	$ 576.06	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 17.79	$ 19.34	0%	$ -	1.00	$ -	$ -	$ 219.50	$ 359.33	$ 598.17	$ 29.88	0.00	$ 610.25	Best	Best	0	$ 12.09	2.02%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 7.07	$ 11.87	0%	$ -	1.00	$ -	$ -	$ 243.50	$ 377.64	$ 633.00	$ 11.87	0.00	$ 637.80	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 9.64	$ 12.89	0%	$ -	1.00	$ -	$ -	$ 242.00	$ 374.58	$ 629.48	$ 16.19	0.00	$ 636.03	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 5.00	0%	$ -	1.15	$ -	$ -	$ 343.85	$ 361.61	$ 710.46	$ -	0.00	$ 710.46	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.79	$ 9.34	0%	$ -	1.00	$ -	$ -	$ 245.50	$ 394.42	$ 649.26	$ 6.37	0.00	$ 651.84	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 1.09	$ 8.29	0%	$ -	1.00	$ -	$ -	$ 265.50	$ 422.65	$ 696.44	$ 1.83	0.00	$ 697.18	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 6.34	$ 16.51	0%	$ -	1.00	$ -	$ -	$ 90.00	$ 135.80	$ 242.31	$ 10.65	0.00	$ 246.62	Best	Best	0	$ 4.31	1.78%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 1.37	$ 11.54	0%	$ -	1.15	$ -	$ -	$ 170.78	$ 135.80	$ 318.11	$ 2.29	0.00	$ 319.03	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 8.26	$ 18.43	0%	$ -	1.00	$ -	$ -	$ 89.50	$ 139.61	$ 247.54	$ 13.86	0.00	$ 253.14	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 1.91	$ 13.73	0%	$ -	1.15	$ -	$ -	$ 146.63	$ 142.66	$ 303.02	$ 3.21	0.00	$ 304.32	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 6.34	$ 33.51	0%	$ -	1.00	$ -	$ -	$ 92.00	$ 135.80	$ 261.31	$ 10.65	0.00	$ 265.62	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 7.98	$ 18.15	0%	$ -	1.15	$ -	$ -	$ 166.75	$ 136.56	$ 321.46	$ 15.86	0.00	$ 329.34	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 12.96	$ 23.13	0%	$ -	1.00	$ -	$ -	$ 89.00	$ 139.61	$ 251.74	$ 24.22	0.00	$ 263.00	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 4.83	$ 16.65	0%	$ -	1.00	$ -	$ -	$ 91.50	$ 143.43	$ 251.57	$ 8.11	0.00	$ 254.85	Best	Best	0	$ 3.28	1.30%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 6.34	$ 6.34	0%	$ -	1.00	$ -	$ -	$ 82.50	$ 122.83	$ 211.67	$ 10.65	0.00	$ 215.98	Best	Best	0	$ 4.31	2.04%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 147.00	$ 207.51	$ 354.51	$ -	0.00	$ 354.51	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 14.00	$ 14.00	0%	$ -	1.00	$ -	$ -	$ 126.00	$ 222.00	$ 362.00	$ 23.51	0.00	$ 371.51	Best	Best	0	$ 9.51	2.63%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 162.00	$ 256.33	$ 418.33	$ -	0.00	$ 418.33	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 200.10	$ 212.09	$ 412.19	$ -	0.00	$ 412.19	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 5.72	$ 5.72	0%	$ -	1.00	$ -	$ -	$ 76.50	$ 112.91	$ 195.13	$ 9.61	0.00	$ 199.02	Best	Best	0	$ 3.89	1.99%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	2	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 0.44	$ 0.44	0%	$ -	1.00	$ -	$ -	$ 89.50	$ 119.01	$ 208.95	$ 0.73	0.00	$ 209.25	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 150.00	$ 237.26	$ 388.51	$ -	0.00	$ 388.51	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 16.47	$ 16.47	0%	$ -	1.00	$ -	$ -	$ 164.50	$ 282.27	$ 463.24	$ 27.65	0.00	$ 474.43	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 3.15	$ 4.40	0%	$ -	1.00	$ -	$ -	$ 159.50	$ 255.57	$ 419.47	$ 5.29	0.00	$ 421.61	Best	Best	0	$ 2.14	0.51%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 163.00	$ 270.83	$ 435.08	$ -	0.00	$ 435.08	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 20.03	$ 20.03	0%	$ -	1.00	$ -	$ -	$ 193.00	$ 331.10	$ 544.13	$ 33.64	0.00	$ 557.74	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 6.71	$ 7.96	0%	$ -	1.00	$ -	$ -	$ 196.00	$ 305.16	$ 509.12	$ 11.27	0.00	$ 513.68	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 189.00	$ 289.90	$ 480.15	$ -	0.00	$ 480.15	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 5.56	$ 5.56	0%	$ -	1.00	$ -	$ -	$ 77.50	$ 123.59	$ 206.65	$ 9.34	0.00	$ 210.43	Best	Best	0	$ 3.78	1.83%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 110.50	$ 157.92	$ 268.42	$ -	0.00	$ 268.42	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 124.78	$ 122.83	$ 247.60	$ -	0.00	$ 247.60	-	-	0	-	-
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 5.16	$ 5.16	0%	$ -	1.00	$ -	$ -	$ 86.00	$ 141.14	$ 232.30	$ 8.66	0.00	$ 235.80	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 3.24	$ 3.24	0%	$ -	1.15	$ -	$ -	$ 96.71	$ 125.88	$ 225.83	$ 5.44	0.00	$ 228.03	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 83.00	$ 128.17	$ 211.17	$ -	0.00	$ 211.17	Best	Best	0	$ -	0.00%

Cost/h	VOT = >>	$ 30.00
Cost/mile		$ 0.76

Impacts on Drivers					
Value of Time $/h = 30					
# Changes	2	Average Delta			
		$ 6.05	1.55%		

Value of Time $/h = 40

Class 2L Vehicles Paying with a Non-NY E-ZPass

Cost/h VOT = >>	$ 40.00
Cost/mile	$ 0.76

			Time			Additional Route Detail				Toll Rates		Impact Factors										Impacts on Drivers				
Origin	Destination	Route	hours	minutes	Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Value of Time $/h = 40				
																							Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 255.33	$ 267.78	$ 529.56	$ 4.54	0.00	$ 531.40	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 9.31	$ 13.06	0%	$ -	1.00	$ -	$ -	$ 224.67	$ 280.75	$ 518.47	$ 15.63	0.00	$ 524.80	Best	Best	0	$ 6.32	1.22%
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 253.33	$ 298.29	$ 558.08	$ 4.54	0.00	$ 559.91	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 250.67	$ 310.50	$ 567.62	$ 4.54	0.00	$ 569.45	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 313.57	$ 250.23	$ 564.50	$ -	0.00	$ 564.50	-	-	0	-	-
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 377.97	$ 277.70	$ 656.36	$ -	0.00	$ 656.36	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 274.00	$ 333.39	$ 610.24	$ -	0.00	$ 610.24	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.15	$ -	$ -	$ 282.86	$ 257.10	$ 546.40	$ 4.54	0.00	$ 548.24	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 245.33	$ 300.58	$ 552.37	$ 4.54	0.00	$ 554.20	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 9.64	$ 13.39	0%	$ -	1.00	$ -	$ -	$ 206.00	$ 264.73	$ 484.12	$ 16.19	0.00	$ 490.67	Best	Best	0	$ 6.55	1.35%
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 280.60	$ 222.00	$ 503.30	$ -	0.00	$ 503.30	-	-	0	-	-
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 308.97	$ 247.18	$ 556.85	$ -	0.00	$ 556.85	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 372.60	$ 266.25	$ 639.55	$ -	0.00	$ 639.55	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 13.72	$ 17.47	0%	$ -	1.00	$ -	$ -	$ 264.67	$ 331.86	$ 614.00	$ 23.04	0.00	$ 623.32	Best	Best	0	$ 9.32	1.52%
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 6.19	$ 9.94	0%	$ -	1.00	$ -	$ -	$ 301.33	$ 379.92	$ 691.20	$ 10.40	0.00	$ 695.41	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70		0%	$ -	1.00	$ -	$ -	$ 315.33	$ 395.18	$ 710.52	$ 4.54	0.00	$ 718.80	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 0.70	0%	$ -	1.15	$ -	$ -	$ 445.43	$ 334.15	$ 780.28	$ -	0.00	$ 780.28	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 370.30	$ 292.95	$ 663.25	$ -	0.00	$ 663.25	-	-	0	-	-
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 335.33	$ 415.02	$ 753.20	$ -	0.00	$ 753.20	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 16.70	$ 20.45	0%	$ -	1.00	$ -	$ -	$ 294.67	$ 373.82	$ 688.93	$ 28.04	0.00	$ 700.28	Best	Best	0	$ 11.34	1.65%
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 6.45	0%	$ -	1.00	$ -	$ -	$ 350.67	$ 412.73	$ 769.85	$ 4.54	0.00	$ 771.68	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 433.17	$ 336.44	$ 769.61	$ -	0.00	$ 769.61	-	-	0	-	-
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 372.00	$ 434.85	$ 809.70	$ -	0.00	$ 809.70	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 2.85	0%	$ -	1.00	$ -	$ -	$ 380.00	$ 445.53	$ 828.38	$ -	0.00	$ 828.38	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 17.79	$ 21.54	0%	$ -	1.00	$ -	$ -	$ 354.00	$ 447.06	$ 822.60	$ 29.88	0.00	$ 834.68	Best	Best	0	$ 12.09	1.47%
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 7.07	$ 14.07	0%	$ -	1.00	$ -	$ -	$ 394.00	$ 470.71	$ 878.78	$ 11.87	0.00	$ 883.58	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 2.70	$ 10.45	0%	$ -	1.00	$ -	$ -	$ 402.00	$ 483.68	$ 896.13	$ 4.54	0.00	$ 897.96	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 0.70	0%	$ -	1.00	$ -	$ -	$ 377.33	$ 464.61	$ 842.64	$ -	0.00	$ 842.64	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 6.85	0%	$ -	1.00	$ -	$ -	$ 433.33	$ 510.38	$ 950.56	$ -	0.00	$ 950.56	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.15	$ -	$ -	$ 194.64	$ 176.99	$ 375.89	$ 4.54	0.00	$ 377.72	-	-	0	-	-
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 9.31	$ 10.86	0%	$ -	1.00	$ -	$ -	$ 152.67	$ 190.73	$ 354.25	$ 15.63	0.00	$ 360.57	Best	Best	0	$ 6.32	1.78%
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 188.00	$ 211.32	$ 403.57	$ 4.54	0.00	$ 405.41	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 180.67	$ 217.43	$ 402.34	$ 4.54	0.00	$ 404.18	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 248.40	$ 184.62	$ 433.02	$ -	0.00	$ 433.02	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 256.07	$ 181.57	$ 437.64	$ -	0.00	$ 437.64	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 233.07	$ 180.04	$ 413.11	$ -	0.00	$ 413.11	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 209.33	$ 248.71	$ 459.69	$ -	0.00	$ 459.69	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.15	$ -	$ -	$ 188.34	$ 166.31	$ 358.90	$ 4.54	0.00	$ 360.74	-	-	0	-	-
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 9.64	$ 11.19	0%	$ -	1.00	$ -	$ -	$ 140.67	$ 174.70	$ 326.56	$ 16.19	0.00	$ 333.11	Best	Best	0	$ 6.55	2.01%
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 184.00	$ 213.61	$ 401.86	$ 4.54	0.00	$ 403.70	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 176.67	$ 219.72	$ 400.63	$ 4.54	0.00	$ 402.47	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 242.27	$ 173.94	$ 416.21	$ -	0.00	$ 416.21	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 249.93	$ 170.89	$ 420.82	$ -	0.00	$ 420.82	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 268.33	$ 217.43	$ 485.76	$ -	0.00	$ 485.76	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 205.33	$ 250.99	$ 457.98	$ -	0.00	$ 457.98	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.15	$ -	$ -	$ 288.56	$ 243.37	$ 536.18	$ 4.54	0.00	$ 538.01	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 13.13	$ 14.68	0%	$ -	1.00	$ -	$ -	$ 193.33	$ 240.31	$ 448.33	$ 22.06	0.00	$ 457.25	Best	Best	0	$ 8.92	1.99%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 2.70	$ 4.25	0%	$ -	1.00	$ -	$ -	$ 242.67	$ 301.35	$ 548.26	$ 4.54	0.00	$ 550.10	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 5.85	$ 7.40	0%	$ -	1.00	$ -	$ -	$ 228.67	$ 285.32	$ 521.39	$ 9.82	0.00	$ 525.36	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 333.50	$ 242.60	$ 576.10	$ -	0.00	$ 576.10	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 340.40	$ 240.31	$ 580.71	$ -	0.00	$ 580.71	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 268.67	$ 329.57	$ 599.89	$ -	0.00	$ 599.89	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 9.76	$ 11.31	0%	$ -	1.15	$ -	$ -	$ 282.22	$ 281.51	$ 575.03	$ 16.38	0.00	$ 581.66	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 16.70	$ 18.25	0%	$ -	1.00	$ -	$ -	$ 225.33	$ 283.04	$ 526.62	$ 28.04	0.00	$ 537.96	Best	Best	0	$ 11.34	2.15%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 9.76	$ 11.31	0%	$ -	1.00	$ -	$ -	$ 266.67	$ 323.47	$ 601.44	$ 16.38	0.00	$ 608.07	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 1.55	0%	$ -	1.00	$ -	$ -	$ 326.67	$ 324.23	$ 652.45	$ -	0.00	$ 652.45	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 417.83	$ 287.61	$ 705.45	$ -	0.00	$ 705.45	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 398.67	$ 283.80	$ 682.47	$ -	0.00	$ 682.47	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 1.65	0%	$ -	1.00	$ -	$ -	$ 300.00	$ 349.41	$ 651.06	$ -	0.00	$ 651.06	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 17.79	$ 19.34	0%	$ -	1.00	$ -	$ -	$ 292.67	$ 359.33	$ 671.33	$ 29.88	0.00	$ 683.42	Best	Best	0	$ 12.09	1.80%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 7.07	$ 11.87	0%	$ -	1.00	$ -	$ -	$ 324.67	$ 377.64	$ 714.17	$ 11.87	0.00	$ 718.97	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 9.64	$ 12.89	0%	$ -	1.00	$ -	$ -	$ 322.67	$ 374.58	$ 710.14	$ 16.19	0.00	$ 716.69	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 5.00	0%	$ -	1.15	$ -	$ -	$ 458.47	$ 361.61	$ 825.08	$ -	0.00	$ 825.08	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.79	$ 9.34	0%	$ -	1.00	$ -	$ -	$ 327.33	$ 394.42	$ 731.10	$ 6.37	0.00	$ 733.67	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 1.09	$ 8.29	0%	$ -	1.00	$ -	$ -	$ 354.00	$ 422.65	$ 784.94	$ 1.83	0.00	$ 785.68	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 6.34	$ 16.51	0%	$ -	1.00	$ -	$ -	$ 120.00	$ 135.80	$ 272.31	$ 10.65	0.00	$ 276.62	Best	Best	0	$ 4.31	1.58%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 1.37	$ 11.54	0%	$ -	1.15	$ -	$ -	$ 227.70	$ 135.80	$ 375.03	$ 2.29	0.00	$ 375.96	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 8.26	$ 18.43	0%	$ -	1.00	$ -	$ -	$ 119.33	$ 139.61	$ 277.37	$ 13.86	0.00	$ 282.98	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 1.91	$ 13.73	0%	$ -	1.15	$ -	$ -	$ 195.50	$ 142.66	$ 351.89	$ 3.21	0.00	$ 353.19	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 6.34	$ 33.51	0%	$ -	1.00	$ -	$ -	$ 122.67	$ 135.80	$ 291.98	$ 10.65	0.00	$ 296.29	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 7.98	$ 18.15	0%	$ -	1.15	$ -	$ -	$ 222.33	$ 136.56	$ 377.04	$ 15.86	0.00	$ 384.92	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 12.96	$ 23.13	0%	$ -	1.00	$ -	$ -	$ 118.67	$ 139.61	$ 281.40	$ 24.22	0.00	$ 292.66	Best	-	1	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 4.83	$ 16.65	0%	$ -	1.00	$ -	$ -	$ 122.00	$ 143.43	$ 282.07	$ 8.11	0.00	$ 285.35	-	Best	1	$ 3.95	1.40%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 6.34	$ 6.34	0%	$ -	1.00	$ -	$ -	$ 110.00	$ 122.83	$ 239.17	$ 10.65	0.00	$ 243.48	Best	Best	0	$ 4.31	1.80%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 196.00	$ 207.51	$ 403.51	$ -	0.00	$ 403.51	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 14.00	$ 14.00	0%	$ -	1.00	$ -	$ -	$ 168.00	$ 222.00	$ 404.00	$ 23.51	0.00	$ 413.51	Best	Best	0	$ 9.51	2.35%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 216.00	$ 256.33	$ 472.33	$ -	0.00	$ 472.33	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 266.80	$ 212.09	$ 478.89	$ -	0.00	$ 478.89	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 5.72	$ 5.72	0%	$ -	1.00	$ -	$ -	$ 102.00	$ 112.91	$ 220.63	$ 9.61	0.00	$ 224.52	Best	Best	0	$ 3.89	1.76%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	2	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 0.44	$ 0.44	0%	$ -	1.00	$ -	$ -	$ 119.33	$ 119.01	$ 238.78	$ 0.73	0.00	$ 239.08	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 200.00	$ 237.26	$ 438.51	$ -	0.00	$ 438.51	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 16.47	$ 16.47	0%	$ -	1.00	$ -	$ -	$ 219.33	$ 282.27	$ 518.07	$ 27.65	0.00	$ 529.26	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 3.15	$ 4.40	0%	$ -	1.00	$ -	$ -	$ 212.67	$ 255.57	$ 472.64	$ 5.29	0.00	$ 474.78	Best	Best	0	$ 2.14	0.45%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 217.33	$ 270.83	$ 489.41	$ -	0.00	$ 489.41	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 20.03	$ 20.03	0%	$ -	1.00	$ -	$ -	$ 257.33	$ 331.10	$ 608.46	$ 33.64	0.00	$ 622.07	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 6.71	$ 7.96	0%	$ -	1.00	$ -	$ -	$ 261.33	$ 305.16	$ 574.45	$ 11.27	0.00	$ 579.01	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 1.25	0%	$ -	1.00	$ -	$ -	$ 252.00	$ 289.90	$ 543.15	$ -	0.00	$ 543.15	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 5.56	$ 5.56	0%	$ -	1.00	$ -	$ -	$ 103.33	$ 123.59	$ 232.49	$ 9.34	0.00	$ 236.26	Best	Best	0	$ 3.78	1.63%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 147.33	$ 157.92	$ 305.25	$ -	0.00	$ 305.25	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 166.37	$ 122.83	$ 289.19	$ -	0.00	$ 289.19	-	-	0	-	-
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 5.16	$ 5.16	0%	$ -	1.00	$ -	$ -	$ 114.67	$ 141.14	$ 260.96	$ 8.66	0.00	$ 264.47	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 3.24	$ 3.24	0%	$ -	1.15	$ -	$ -	$ 128.94	$ 125.88	$ 258.06	$ 5.44	0.00	$ 260.26	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 110.67	$ 128.17	$ 238.83	$ -	0.00	$ 238.83	Best	Best	0	$ -	0.00%

# Changes	1	Average Delta	
		$ 6.46	1.47%

Best Route Choice Analysis Results

Class 2L **Tolls By Mail**

			Impacts on Drivers as a Function of Value of Time														
			Value of time $/h = 12			Value of time $/h = 18			Value of time $/h = 25			Value of time $/h = 30			Value of time $/h = 40		
Origin	Destination	Route	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	-	-	0	Best	-	1	Best	Best	0	-	Best	1	-	-	0
Manchester, NH	Skaneateles	I-90 (Exit 34A)	-	-	0	-	-	0	-	-	0	Best	-	1	Best	Best	0
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	Best	Best	0	-	Best	1	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	US-20 (from w of Boston)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 (Exit 36)	-	-	0	-	-	0	-	-	0	-	-	0	Best	Best	0
Manchester, NH	Syracuse	VT-9 and US-20	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	-	-	0
Manchester, NH	Syracuse	MA-2 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	I-90 (Exit 46)	-	-	0	-	-	0	Best	-	1	Best	Best	0	Best	Best	0
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	VT-9, US-20, NY 104	Best	Best	0	Best	Best	0	-	Best	1	-	-	0	-	-	0
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-90 (Exit 51)	-	-	0	-	-	0	Best	Best	0	Best	Best	0	Best	Best	0
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	US - 20(VT-9)	Best	Best	0	Best	Best	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	-	-	0	Best	-	1	Best	-	1	Best	-	1	Best	Best	0
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	Best	Best	0	-	Best	1	-	Best	1	-	Best	1	-	-	0
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	Best	Best	0	Best	Best	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90	-	-	0	-	-	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	Best	Best	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-90 (Exit 36)	-	-	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	NY-145 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	US-20 (entire route)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	US - 20 and I-88	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-90 (Exit 45)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	US - 20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-90	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	NY-5 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	US - 20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	-	-	0	-	-	0	-	-	0	-	-	0	Best	-	1
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	-	Best	1
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Albany	Buffalo	I-90	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Albany	Buffalo	US20	-	Best	1	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Rochester	Erie	I-90 (Exit 46 to PA Line)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Rochester	Erie	I390 and I86 (I390,408,19,I86)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I-81(I81,I690,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I390 (I86,I390,63)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
			Changes		**1**		**Changes**		**2**		**Changes**		**2**		**Changes**		**2**		**Changes**		**1**
			Average Delta				**Average Delta**				**Average Delta**				**Average Delta**				**Average Delta**		
			$ 2.66		1.01%		$ 3.21		1.09%		$ 4.44		1.24%		$ 4.85		1.23%		$ 5.20		1.17%

Value of Time $/h = 12

Class 2L Vehicles Paying with Tolls by Mail

						Additional Route Detail				Toll Rates		Impact Factors																	
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
			hours	minutes																									
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 76.60	$ 267.78	$ 353.78	$ 4.54	0.00	$ 355.26	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 10.52	$ 16.87	0%	$ -	1.00	$ -	$ -	$ 67.40	$ 280.75	$ 365.02	$ 15.63	0.00	$ 370.13	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 76.00	$ 298.29	$ 383.70	$ 4.54	0.00	$ 385.18	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 75.20	$ 310.50	$ 395.10	$ 4.54	0.00	$ 396.59	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 94.07	$ 250.23	$ 345.30	$ -	0.00	$ 345.30	Best	Best	0	$ -	0.00%
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 113.39	$ 277.70	$ 392.09	$ -	0.00	$ 392.09	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 82.20	$ 333.39	$ 419.64	$ -	0.00	$ 419.64	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.15	$ -	$ -	$ 84.86	$ 257.10	$ 351.36	$ 4.54	0.00	$ 352.84	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 73.60	$ 300.58	$ 383.59	$ 4.54	0.00	$ 385.07	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 10.90	$ 17.25	0%	$ -	1.00	$ -	$ -	$ 61.80	$ 264.73	$ 343.77	$ 16.19	0.00	$ 349.07	-	-	0	-	-
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 84.18	$ 222.00	$ 307.18	$ -	0.00	$ 307.18	Best	Best	0	$ -	0.00%
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 92.69	$ 247.18	$ 340.87	$ -	0.00	$ 340.87	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 111.78	$ 266.25	$ 379.03	$ -	0.00	$ 379.03	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 15.51	$ 21.86	0%	$ -	1.00	$ -	$ -	$ 79.40	$ 331.86	$ 433.12	$ 23.04	0.00	$ 440.65	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 7.00	$ 13.35	0%	$ -	1.00	$ -	$ -	$ 90.40	$ 379.92	$ 483.68	$ 10.40	0.00	$ 487.08	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05		0%	$ -	1.00	$ -	$ -	$ 94.60	$ 395.18	$ 489.78	$ 4.54	0.00	$ 500.67	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 133.63	$ 334.15	$ 468.78	$ -	0.00	$ 468.78	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 111.09	$ 292.95	$ 404.04	$ -	0.00	$ 404.04	Best	Best	0	$ -	0.00%
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 100.60	$ 415.02	$ 519.67	$ -	0.00	$ 519.67	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 18.87	$ 25.22	0%	$ -	1.00	$ -	$ -	$ 88.40	$ 373.82	$ 487.45	$ 28.04	0.00	$ 496.61	-	-	0	-	-
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 105.20	$ 412.73	$ 527.33	$ 4.54	0.00	$ 528.81	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 129.95	$ 336.44	$ 466.39	$ -	0.00	$ 466.39	Best	Best	0	$ -	0.00%
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 111.60	$ 434.85	$ 550.50	$ -	0.00	$ 550.50	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 114.00	$ 445.53	$ 563.58	$ -	0.00	$ 563.58	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 20.11	$ 26.46	0%	$ -	1.00	$ -	$ -	$ 106.20	$ 447.06	$ 579.72	$ 29.88	0.00	$ 589.48	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 7.99	$ 17.59	0%	$ -	1.00	$ -	$ -	$ 118.20	$ 470.71	$ 606.50	$ 11.87	0.00	$ 610.38	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407)	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 17.40	0%	$ -	1.00	$ -	$ -	$ 120.60	$ 483.68	$ 621.68	$ 4.54	0.00	$ 623.16	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 1.00	0%	$ -	1.00	$ -	$ -	$ 113.20	$ 464.61	$ 578.81	$ -	0.00	$ 578.81	Best	Best	0	$ -	0.00%
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 12.05	0%	$ -	1.00	$ -	$ -	$ 130.00	$ 510.38	$ 652.43	$ -	0.00	$ 652.43	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.15	$ -	$ -	$ 58.39	$ 176.99	$ 241.14	$ 4.54	0.00	$ 242.62	Best	Best	0	$ 1.48	0.61%
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 10.52	$ 13.22	0%	$ -	1.00	$ -	$ -	$ 45.80	$ 190.73	$ 249.75	$ 15.63	0.00	$ 254.86	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 56.40	$ 211.32	$ 273.48	$ 4.54	0.00	$ 274.96	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 54.20	$ 217.43	$ 277.38	$ 4.54	0.00	$ 278.86	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 74.52	$ 184.62	$ 259.14	$ -	0.00	$ 259.14	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 76.82	$ 181.57	$ 258.39	$ -	0.00	$ 258.39	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 69.92	$ 180.04	$ 249.96	$ -	0.00	$ 249.96	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 62.80	$ 248.71	$ 313.66	$ -	0.00	$ 313.66	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.15	$ -	$ -	$ 56.50	$ 166.31	$ 228.57	$ 4.54	0.00	$ 230.05	Best	Best	0	$ 1.48	0.65%
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 10.90	$ 13.60	0%	$ -	1.00	$ -	$ -	$ 42.20	$ 174.70	$ 230.50	$ 16.19	0.00	$ 235.80	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 55.20	$ 213.61	$ 274.56	$ 4.54	0.00	$ 276.05	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 53.00	$ 219.72	$ 278.47	$ 4.54	0.00	$ 279.95	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 72.68	$ 173.94	$ 246.62	$ -	0.00	$ 246.62	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 74.98	$ 170.89	$ 245.87	$ -	0.00	$ 245.87	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 80.50	$ 217.43	$ 297.93	$ -	0.00	$ 297.93	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 61.60	$ 250.99	$ 314.74	$ -	0.00	$ 314.74	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.15	$ -	$ -	$ 86.57	$ 243.37	$ 335.69	$ 4.54	0.00	$ 337.17	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 14.85	$ 17.55	0%	$ -	1.00	$ -	$ -	$ 58.00	$ 240.31	$ 315.86	$ 22.06	0.00	$ 323.07	Best	Best	0	$ 7.21	2.28%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 72.80	$ 301.35	$ 379.90	$ 4.54	0.00	$ 381.38	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 6.61	$ 9.31	0%	$ -	1.00	$ -	$ -	$ 68.60	$ 285.32	$ 363.24	$ 9.82	0.00	$ 366.45	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 100.05	$ 242.60	$ 342.65	$ -	0.00	$ 342.65	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 102.12	$ 240.31	$ 342.43	$ -	0.00	$ 342.43	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 80.60	$ 329.57	$ 412.32	$ -	0.00	$ 412.32	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 11.03	$ 13.73	0%	$ -	1.15	$ -	$ -	$ 84.67	$ 281.51	$ 379.90	$ 16.38	0.00	$ 385.26	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 18.87	$ 21.57	0%	$ -	1.00	$ -	$ -	$ 67.60	$ 283.04	$ 372.21	$ 28.04	0.00	$ 381.38	Best	Best	0	$ 9.17	2.46%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 11.03	$ 13.73	0%	$ -	1.00	$ -	$ -	$ 80.00	$ 323.47	$ 417.20	$ 16.38	0.00	$ 422.55	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 2.70	0%	$ -	1.00	$ -	$ -	$ 98.00	$ 324.23	$ 424.93	$ -	0.00	$ 424.93	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 125.35	$ 287.61	$ 412.96	$ -	0.00	$ 412.96	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 119.60	$ 283.80	$ 403.40	$ -	0.00	$ 403.40	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 90.00	$ 349.41	$ 441.56	$ -	0.00	$ 441.56	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 20.11	$ 22.81	0%	$ -	1.00	$ -	$ -	$ 87.80	$ 359.33	$ 469.94	$ 29.88	0.00	$ 479.70	Best	Best	0	$ 9.77	2.08%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 7.99	$ 13.94	0%	$ -	1.00	$ -	$ -	$ 97.40	$ 377.64	$ 488.97	$ 11.87	0.00	$ 492.85	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 10.90	$ 14.15	0%	$ -	1.00	$ -	$ -	$ 96.80	$ 374.58	$ 485.53	$ 16.19	0.00	$ 490.83	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 5.00	0%	$ -	1.15	$ -	$ -	$ 137.54	$ 361.61	$ 504.15	$ -	0.00	$ 504.15	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 4.29	$ 14.99	0%	$ -	1.00	$ -	$ -	$ 98.20	$ 394.42	$ 507.61	$ 6.37	0.00	$ 509.69	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 1.24	$ 14.09	0%	$ -	1.00	$ -	$ -	$ 106.20	$ 422.65	$ 542.93	$ 1.83	0.00	$ 543.53	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 7.17	$ 17.34	0%	$ -	1.00	$ -	$ -	$ 36.00	$ 135.80	$ 189.14	$ 10.65	0.00	$ 192.62	Best	Best	0	$ 3.48	1.84%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 1.54	$ 11.71	0%	$ -	1.15	$ -	$ -	$ 68.31	$ 135.80	$ 215.82	$ 2.29	0.00	$ 216.57	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 9.33	$ 19.50	0%	$ -	1.00	$ -	$ -	$ 35.80	$ 139.61	$ 194.91	$ 13.86	0.00	$ 199.44	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 2.16	$ 14.48	0%	$ -	1.15	$ -	$ -	$ 58.65	$ 142.66	$ 215.79	$ 3.21	0.00	$ 216.84	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 7.17	$ 34.34	0%	$ -	1.00	$ -	$ -	$ 36.80	$ 135.80	$ 206.94	$ 10.65	0.00	$ 210.42	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 9.02	$ 19.19	0%	$ -	1.15	$ -	$ -	$ 66.70	$ 136.56	$ 222.45	$ 15.86	0.00	$ 229.29	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 14.65	$ 24.82	0%	$ -	1.00	$ -	$ -	$ 35.60	$ 139.61	$ 200.03	$ 24.22	0.00	$ 209.60	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 5.46	$ 17.78	0%	$ -	1.00	$ -	$ -	$ 36.60	$ 143.43	$ 197.80	$ 8.11	0.00	$ 200.45	Best	Best	0	$ 2.65	1.34%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 7.17	$ 7.17	0%	$ -	1.00	$ -	$ -	$ 33.00	$ 122.83	$ 163.00	$ 10.65	0.00	$ 166.48	Best	Best	0	$ 3.48	2.14%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 58.80	$ 207.51	$ 266.31	$ -	0.00	$ 266.31	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 15.82	$ 15.82	0%	$ -	1.00	$ -	$ -	$ 50.40	$ 222.00	$ 288.23	$ 23.51	0.00	$ 295.91	Best	-	1	-	-
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 64.80	$ 256.33	$ 321.13	$ -	0.00	$ 321.13	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 80.04	$ 212.09	$ 292.13	$ -	0.00	$ 292.13	-	Best	1	$ 3.90	1.34%
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 6.47	$ 6.47	0%	$ -	1.00	$ -	$ -	$ 30.60	$ 112.91	$ 149.98	$ 9.61	0.00	$ 153.12	Best	Best	0	$ 3.14	2.09%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	2	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 0.49	$ 0.49	0%	$ -	1.00	$ -	$ -	$ 35.80	$ 119.01	$ 155.31	$ 0.73	0.00	$ 155.55	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 3.00	0%	$ -	1.00	$ -	$ -	$ 60.00	$ 237.26	$ 300.26	$ -	0.00	$ 300.26	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 18.61	$ 18.61	0%	$ -	1.00	$ -	$ -	$ 65.80	$ 282.27	$ 366.69	$ 27.65	0.00	$ 375.73	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 3.56	$ 6.56	0%	$ -	1.00	$ -	$ -	$ 63.80	$ 255.57	$ 325.93	$ 5.29	0.00	$ 327.66	Best	Best	0	$ 1.73	0.53%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 3.00	0%	$ -	1.00	$ -	$ -	$ 65.20	$ 270.83	$ 339.03	$ -	0.00	$ 339.03	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 22.64	$ 22.64	0%	$ -	1.00	$ -	$ -	$ 77.20	$ 331.10	$ 430.94	$ 33.64	0.00	$ 441.94	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 7.59	$ 10.59	0%	$ -	1.00	$ -	$ -	$ 78.40	$ 305.16	$ 394.15	$ 11.27	0.00	$ 397.83	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 3.00	0%	$ -	1.00	$ -	$ -	$ 75.60	$ 289.90	$ 368.50	$ -	0.00	$ 368.50	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 6.29	$ 6.29	0%	$ -	1.00	$ -	$ -	$ 31.00	$ 123.59	$ 160.88	$ 9.34	0.00	$ 163.93	Best	Best	0	$ 3.05	1.90%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 44.20	$ 157.92	$ 202.12	$ -	0.00	$ 202.12	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 49.91	$ 122.83	$ 172.74	$ -	0.00	$ 172.74	-	-	0	-	-
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 5.83	$ 5.83	0%	$ -	1.00	$ -	$ -	$ 34.40	$ 141.14	$ 181.37	$ 8.66	0.00	$ 184.20	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 3.66	$ 3.66	0%	$ -	1.15	$ -	$ -	$ 38.68	$ 125.88	$ 168.22	$ 5.44	0.00	$ 170.00	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 33.20	$ 128.17	$ 161.37	$ -	0.00	$ 161.37	Best	Best	0	$ -	0.00%

Cost/h	VOT = >>	$ 12.00
Cost/mile		$ 0.76

Impacts on Drivers	
Value of Time $/h = 12	

# Changes	1	Average Delta	
		$ 2.66	1.01%

Value of Time $/h = 18

Class 2L Vehicles Paying with Tolls by Mail

Cost/h VOT = >>	$ 18.00
Cost/mile	$ 0.76

			Time			Additional Route Detail				Toll Rates		Impact Factors										Impacts on Drivers				
Origin	Destination	Route	hours	minutes	Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Value of Time $/h = 18 Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 114.90	$ 267.78	$ 392.08	$ 4.54	0.00	$ 393.56	Best	-	1	-	-
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 10.52	$ 16.87	0%	$ -	1.00	$ -	$ -	$ 101.10	$ 280.75	$ 398.72	$ 15.63	0.00	$ 403.83	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 114.00	$ 298.29	$ 421.70	$ 4.54	0.00	$ 423.18	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 112.80	$ 310.50	$ 432.70	$ 4.54	0.00	$ 434.19	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 141.11	$ 250.23	$ 392.34	$ -	0.00	$ 392.34	-	Best	1	$ 0.26	0.07%
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 170.09	$ 277.70	$ 448.78	$ -	0.00	$ 448.78	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 123.30	$ 333.39	$ 460.74	$ -	0.00	$ 460.74	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.15	$ -	$ -	$ 127.28	$ 257.10	$ 393.78	$ 4.54	0.00	$ 395.27	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 110.40	$ 300.58	$ 420.39	$ 4.54	0.00	$ 421.87	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 10.90	$ 17.25	0%	$ -	1.00	$ -	$ -	$ 92.70	$ 264.73	$ 374.67	$ 16.19	0.00	$ 379.97	-	-	0	-	-
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 126.27	$ 222.00	$ 349.27	$ -	0.00	$ 349.27	Best	Best	0	$ -	0.00%
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 139.04	$ 247.18	$ 387.21	$ -	0.00	$ 387.21	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 167.67	$ 266.25	$ 434.92	$ -	0.00	$ 434.92	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 15.51	$ 21.86	0%	$ -	1.00	$ -	$ -	$ 119.10	$ 331.86	$ 472.82	$ 23.04	0.00	$ 480.35	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 7.00	$ 13.35	0%	$ -	1.00	$ -	$ -	$ 135.60	$ 379.92	$ 528.88	$ 10.40	0.00	$ 532.28	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05		0%	$ -	1.00	$ -	$ -	$ 141.90	$ 395.18	$ 537.08	$ 4.54	0.00	$ 547.97	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 200.45	$ 334.15	$ 535.60	$ -	0.00	$ 535.60	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 166.64	$ 292.95	$ 459.59	$ -	0.00	$ 459.59	Best	Best	0	$ -	0.00%
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 150.90	$ 415.02	$ 569.97	$ -	0.00	$ 569.97	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 18.87	$ 25.22	0%	$ -	1.00	$ -	$ -	$ 132.60	$ 373.82	$ 531.65	$ 28.04	0.00	$ 540.81	-	-	0	-	-
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 157.80	$ 412.73	$ 579.93	$ 4.54	0.00	$ 581.41	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 194.93	$ 336.44	$ 531.36	$ -	0.00	$ 531.36	Best	Best	0	$ -	0.00%
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 167.40	$ 434.85	$ 606.30	$ -	0.00	$ 606.30	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 171.00	$ 445.53	$ 620.58	$ -	0.00	$ 620.58	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 20.11	$ 26.46	0%	$ -	1.00	$ -	$ -	$ 159.30	$ 447.06	$ 632.82	$ 29.88	0.00	$ 642.58	Best	-	1	-	-
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 7.99	$ 17.59	0%	$ -	1.00	$ -	$ -	$ 177.30	$ 470.71	$ 665.60	$ 11.87	0.00	$ 669.48	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 17.40	0%	$ -	1.00	$ -	$ -	$ 180.90	$ 483.68	$ 681.98	$ 4.54	0.00	$ 683.46	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 1.00	0%	$ -	1.00	$ -	$ -	$ 169.80	$ 464.61	$ 635.41	$ -	0.00	$ 635.41	-	Best	1	$ 2.59	0.41%
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 12.05	0%	$ -	1.00	$ -	$ -	$ 195.00	$ 510.38	$ 717.43	$ -	0.00	$ 717.43	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232		Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.15	$ -	$ -	$ 87.59	$ 176.99	$ 270.34	$ 4.54	0.00	$ 271.82	Best	Best	0	$ 1.48	0.55%
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 10.52	$ 13.22	0%	$ -	1.00	$ -	$ -	$ 68.70	$ 190.73	$ 272.65	$ 15.63	0.00	$ 277.76	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 84.60	$ 211.32	$ 301.68	$ 4.54	0.00	$ 303.16	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 81.30	$ 217.43	$ 304.48	$ 4.54	0.00	$ 305.96	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 111.78	$ 184.62	$ 296.40	$ -	0.00	$ 296.40	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 115.23	$ 181.57	$ 296.80	$ -	0.00	$ 296.80	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 104.88	$ 180.04	$ 284.92	$ -	0.00	$ 284.92	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 94.20	$ 248.71	$ 345.06	$ -	0.00	$ 345.06	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.15	$ -	$ -	$ 84.75	$ 166.31	$ 256.82	$ 4.54	0.00	$ 258.30	-	-	0	-	-
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 10.90	$ 13.60	0%	$ -	1.00	$ -	$ -	$ 63.30	$ 174.70	$ 251.60	$ 16.19	0.00	$ 256.90	Best	Best	0	$ 5.29	2.10%
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 82.80	$ 213.61	$ 302.16	$ 4.54	0.00	$ 303.65	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 79.50	$ 219.72	$ 304.97	$ 4.54	0.00	$ 306.45	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 109.02	$ 173.94	$ 282.96	$ -	0.00	$ 282.96	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 112.47	$ 170.89	$ 283.36	$ -	0.00	$ 283.36	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 120.75	$ 217.43	$ 338.18	$ -	0.00	$ 338.18	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 92.40	$ 250.99	$ 345.54	$ -	0.00	$ 345.54	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.15	$ -	$ -	$ 129.85	$ 243.37	$ 378.97	$ 4.54	0.00	$ 380.45	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 14.85	$ 17.55	0%	$ -	1.00	$ -	$ -	$ 87.00	$ 240.31	$ 344.86	$ 22.06	0.00	$ 352.07	Best	Best	0	$ 7.21	2.09%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 109.20	$ 301.35	$ 416.30	$ 4.54	0.00	$ 417.78	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 6.61	$ 9.31	0%	$ -	1.00	$ -	$ -	$ 102.90	$ 285.32	$ 397.54	$ 9.82	0.00	$ 400.75	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 150.08	$ 242.60	$ 392.68	$ -	0.00	$ 392.68	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 153.18	$ 240.31	$ 393.49	$ -	0.00	$ 393.49	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 120.90	$ 329.57	$ 452.62	$ -	0.00	$ 452.62	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 11.03	$ 13.73	0%	$ -	1.15	$ -	$ -	$ 127.00	$ 281.51	$ 422.24	$ 16.38	0.00	$ 427.59	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 18.87	$ 21.57	0%	$ -	1.00	$ -	$ -	$ 101.40	$ 283.04	$ 406.01	$ 28.04	0.00	$ 415.18	Best	Best	0	$ 9.17	2.26%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 11.03	$ 13.73	0%	$ -	1.00	$ -	$ -	$ 120.00	$ 323.47	$ 457.20	$ 16.38	0.00	$ 462.55	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 2.70	0%	$ -	1.00	$ -	$ -	$ 147.00	$ 324.23	$ 473.93	$ -	0.00	$ 473.93	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 188.03	$ 287.61	$ 475.64	$ -	0.00	$ 475.64	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 179.40	$ 283.80	$ 463.20	$ -	0.00	$ 463.20	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 135.00	$ 349.41	$ 486.56	$ -	0.00	$ 486.56	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 20.11	$ 22.81	0%	$ -	1.00	$ -	$ -	$ 131.70	$ 359.33	$ 513.84	$ 29.88	0.00	$ 523.60	Best	Best	0	$ 9.77	1.90%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 7.99	$ 13.94	0%	$ -	1.00	$ -	$ -	$ 146.10	$ 377.64	$ 537.67	$ 11.87	0.00	$ 541.55	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 10.90	$ 14.15	0%	$ -	1.00	$ -	$ -	$ 145.20	$ 374.58	$ 533.93	$ 16.19	0.00	$ 539.23	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 5.00	0%	$ -	1.15	$ -	$ -	$ 206.31	$ 361.61	$ 572.92	$ -	0.00	$ 572.92	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 4.29	$ 14.99	0%	$ -	1.00	$ -	$ -	$ 147.30	$ 394.42	$ 556.71	$ 6.37	0.00	$ 558.79	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 1.24	$ 14.09	0%	$ -	1.00	$ -	$ -	$ 159.30	$ 422.65	$ 596.03	$ 1.83	0.00	$ 596.63	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 7.17	$ 17.34	0%	$ -	1.00	$ -	$ -	$ 54.00	$ 135.80	$ 207.14	$ 10.65	0.00	$ 210.62	Best	Best	0	$ 3.48	1.68%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 1.54	$ 11.71	0%	$ -	1.15	$ -	$ -	$ 102.47	$ 135.80	$ 249.97	$ 2.29	0.00	$ 250.72	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 9.33	$ 19.50	0%	$ -	1.00	$ -	$ -	$ 53.70	$ 139.61	$ 212.81	$ 13.86	0.00	$ 217.34	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 2.16	$ 14.48	0%	$ -	1.15	$ -	$ -	$ 87.98	$ 142.66	$ 245.12	$ 3.21	0.00	$ 246.17	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 7.17	$ 34.34	0%	$ -	1.00	$ -	$ -	$ 55.20	$ 135.80	$ 225.34	$ 10.65	0.00	$ 228.82	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 9.02	$ 19.19	0%	$ -	1.15	$ -	$ -	$ 100.05	$ 136.56	$ 255.80	$ 15.86	0.00	$ 262.64	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 14.65	$ 24.82	0%	$ -	1.00	$ -	$ -	$ 53.40	$ 139.61	$ 217.83	$ 24.22	0.00	$ 227.40	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 5.46	$ 17.78	0%	$ -	1.00	$ -	$ -	$ 54.90	$ 143.43	$ 216.10	$ 8.11	0.00	$ 218.75	Best	Best	0	$ 2.65	1.23%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 7.17	$ 7.17	0%	$ -	1.00	$ -	$ -	$ 49.50	$ 122.83	$ 179.50	$ 10.65	0.00	$ 182.98	Best	Best	0	$ 3.48	1.94%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 88.20	$ 207.51	$ 295.71	$ -	0.00	$ 295.71	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 15.82	$ 15.82	0%	$ -	1.00	$ -	$ -	$ 75.60	$ 222.00	$ 313.43	$ 23.51	0.00	$ 321.11	Best	Best	0	$ 7.68	2.45%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 97.20	$ 256.33	$ 353.53	$ -	0.00	$ 353.53	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 120.06	$ 212.09	$ 332.15	$ -	0.00	$ 332.15	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 6.47	$ 6.47	0%	$ -	1.00	$ -	$ -	$ 45.90	$ 112.91	$ 165.28	$ 9.61	0.00	$ 168.42	Best	Best	0	$ 3.14	1.90%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	2	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 0.49	$ 0.49	0%	$ -	1.00	$ -	$ -	$ 53.70	$ 119.01	$ 173.21	$ 0.73	0.00	$ 173.45	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 3.00	0%	$ -	1.00	$ -	$ -	$ 90.00	$ 237.26	$ 330.26	$ -	0.00	$ 330.26	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 18.61	$ 18.61	0%	$ -	1.00	$ -	$ -	$ 98.70	$ 282.27	$ 399.59	$ 27.65	0.00	$ 408.63	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 3.56	$ 6.56	0%	$ -	1.00	$ -	$ -	$ 95.70	$ 255.57	$ 357.83	$ 5.29	0.00	$ 359.56	Best	Best	0	$ 1.73	0.48%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 3.00	0%	$ -	1.00	$ -	$ -	$ 97.80	$ 270.83	$ 371.63	$ -	0.00	$ 371.63	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 22.64	$ 22.64	0%	$ -	1.00	$ -	$ -	$ 115.80	$ 331.10	$ 469.54	$ 33.64	0.00	$ 480.54	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 7.59	$ 10.59	0%	$ -	1.00	$ -	$ -	$ 117.60	$ 305.16	$ 433.35	$ 11.27	0.00	$ 437.03	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 3.00	0%	$ -	1.00	$ -	$ -	$ 113.40	$ 289.90	$ 406.30	$ -	0.00	$ 406.30	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 6.29	$ 6.29	0%	$ -	1.00	$ -	$ -	$ 46.50	$ 123.59	$ 176.38	$ 9.34	0.00	$ 179.43	Best	Best	0	$ 3.05	1.73%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 66.30	$ 157.92	$ 224.22	$ -	0.00	$ 224.22	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 74.87	$ 122.83	$ 197.69	$ -	0.00	$ 197.69	-	-	0	-	-
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 5.83	$ 5.83	0%	$ -	1.00	$ -	$ -	$ 51.60	$ 141.14	$ 198.57	$ 8.66	0.00	$ 201.40	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 3.66	$ 3.66	0%	$ -	1.15	$ -	$ -	$ 58.02	$ 125.88	$ 187.57	$ 5.44	0.00	$ 189.34	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 49.80	$ 128.17	$ 177.97	$ -	0.00	$ 177.97	Best	Best	0	$ -	0.00%

# Changes	2	Average Delta	
		$ 3.21	1.09%

Value of Time $/h = 25

Class 2L Vehicles Paying with Tolls by Mail

Cost/h VOT = >>	$ 25.00
Cost/mile	$ 0.76

			Time			Additional Route Detail				Toll Rates		Impact Factors										Impacts on Drivers				
Origin	Destination	Route	hours	minutes	Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 159.58	$ 267.78	$ 436.76	$ 4.54	0.00	$ 438.25	Best	Best	0	$ 1.48	0.34%
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 10.52	$ 16.87	0%	$ -	1.00	$ -	$ -	$ 140.42	$ 280.75	$ 438.04	$ 15.63	0.00	$ 443.15	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 158.33	$ 298.29	$ 466.03	$ 4.54	0.00	$ 467.51	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 156.67	$ 310.50	$ 476.57	$ 4.54	0.00	$ 478.05	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 195.98	$ 250.23	$ 447.21	$ -	0.00	$ 447.21	-	-	0	-	-
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 236.23	$ 277.70	$ 514.92	$ -	0.00	$ 514.92	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 171.25	$ 333.39	$ 508.69	$ -	0.00	$ 508.69	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.15	$ -	$ -	$ 176.78	$ 257.10	$ 443.28	$ 4.54	0.00	$ 444.77	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 153.33	$ 300.58	$ 463.32	$ 4.54	0.00	$ 464.80	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 10.90	$ 17.25	0%	$ -	1.00	$ -	$ -	$ 128.75	$ 264.73	$ 410.72	$ 16.19	0.00	$ 416.02	-	-	0	-	-
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 175.38	$ 222.00	$ 398.38	$ -	0.00	$ 398.38	Best	Best	0	$ -	0.00%
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 193.10	$ 247.18	$ 441.28	$ -	0.00	$ 441.28	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 232.88	$ 266.25	$ 500.13	$ -	0.00	$ 500.13	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 15.51	$ 21.86	0%	$ -	1.00	$ -	$ -	$ 165.42	$ 331.86	$ 519.14	$ 23.04	0.00	$ 526.67	Best	-	1	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 7.00	$ 13.35	0%	$ -	1.00	$ -	$ -	$ 188.33	$ 379.92	$ 581.61	$ 10.40	0.00	$ 585.01	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05		0%	$ -	1.00	$ -	$ -	$ 197.08	$ 395.18	$ 592.27	$ 4.54	0.00	$ 603.15	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 278.40	$ 334.15	$ 613.55	$ -	0.00	$ 613.55	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 231.44	$ 292.95	$ 524.39	$ -	0.00	$ 524.39	-	Best	1	$ 5.25	1.00%
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 209.58	$ 415.02	$ 628.65	$ -	0.00	$ 628.65	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 18.87	$ 25.22	0%	$ -	1.00	$ -	$ -	$ 184.17	$ 373.82	$ 583.21	$ 28.04	0.00	$ 592.38	Best	Best	0	$ 9.17	1.57%
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 219.17	$ 412.73	$ 641.30	$ 4.54	0.00	$ 642.78	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 270.73	$ 336.44	$ 607.17	$ -	0.00	$ 607.17	-	-	0	-	-
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 232.50	$ 434.85	$ 671.40	$ -	0.00	$ 671.40	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 237.50	$ 445.53	$ 687.08	$ -	0.00	$ 687.08	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 20.11	$ 26.46	0%	$ -	1.00	$ -	$ -	$ 221.25	$ 447.06	$ 694.77	$ 29.88	0.00	$ 704.53	Best	-	1	-	-
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 7.99	$ 17.59	0%	$ -	1.00	$ -	$ -	$ 246.25	$ 470.71	$ 734.55	$ 11.87	0.00	$ 738.43	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 17.40	0%	$ -	1.00	$ -	$ -	$ 251.25	$ 483.68	$ 752.33	$ 4.54	0.00	$ 753.81	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 1.00	0%	$ -	1.00	$ -	$ -	$ 235.83	$ 464.61	$ 701.44	$ -	0.00	$ 701.44	-	Best	1	$ 6.67	0.95%
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 12.05	0%	$ -	1.00	$ -	$ -	$ 270.83	$ 510.38	$ 793.26	$ -	0.00	$ 793.26	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.15	$ -	$ -	$ 121.65	$ 176.99	$ 304.40	$ 4.54	0.00	$ 305.88	-	-	0	-	-
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 10.52	$ 13.22	0%	$ -	1.00	$ -	$ -	$ 95.42	$ 190.73	$ 299.36	$ 15.63	0.00	$ 304.47	Best	Best	0	$ 5.11	1.71%
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 117.50	$ 211.32	$ 334.58	$ 4.54	0.00	$ 336.06	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 112.92	$ 217.43	$ 336.10	$ 4.54	0.00	$ 337.58	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 155.25	$ 184.62	$ 339.87	$ -	0.00	$ 339.87	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 160.04	$ 181.57	$ 341.61	$ -	0.00	$ 341.61	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 145.67	$ 180.04	$ 325.71	$ -	0.00	$ 325.71	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 130.83	$ 248.71	$ 381.69	$ -	0.00	$ 381.69	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.15	$ -	$ -	$ 117.71	$ 166.31	$ 289.78	$ 4.54	0.00	$ 291.26	-	-	0	-	-
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 10.90	$ 13.60	0%	$ -	1.00	$ -	$ -	$ 87.92	$ 174.70	$ 276.22	$ 16.19	0.00	$ 281.51	Best	Best	0	$ 5.29	1.92%
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 115.00	$ 213.61	$ 334.36	$ 4.54	0.00	$ 335.85	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 110.42	$ 219.72	$ 335.88	$ 4.54	0.00	$ 337.37	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 151.42	$ 173.94	$ 325.36	$ -	0.00	$ 325.36	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 156.21	$ 170.89	$ 327.10	$ -	0.00	$ 327.10	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 167.71	$ 217.43	$ 385.13	$ -	0.00	$ 385.13	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 128.33	$ 250.99	$ 381.48	$ -	0.00	$ 381.48	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.15	$ -	$ -	$ 180.35	$ 243.37	$ 429.47	$ 4.54	0.00	$ 430.95	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 14.85	$ 17.55	0%	$ -	1.00	$ -	$ -	$ 120.83	$ 240.31	$ 378.69	$ 22.06	0.00	$ 385.90	Best	Best	0	$ 7.21	1.90%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 151.67	$ 301.35	$ 458.76	$ 4.54	0.00	$ 460.25	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 6.61	$ 9.31	0%	$ -	1.00	$ -	$ -	$ 142.92	$ 285.32	$ 437.55	$ 9.82	0.00	$ 440.76	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 208.44	$ 242.60	$ 451.04	$ -	0.00	$ 451.04	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 212.75	$ 240.31	$ 453.06	$ -	0.00	$ 453.06	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 167.92	$ 329.57	$ 499.64	$ -	0.00	$ 499.64	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 11.03	$ 13.73	0%	$ -	1.15	$ -	$ -	$ 176.39	$ 281.51	$ 471.62	$ 16.38	0.00	$ 476.98	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 18.87	$ 21.57	0%	$ -	1.00	$ -	$ -	$ 140.83	$ 283.04	$ 445.44	$ 28.04	0.00	$ 454.61	Best	Best	0	$ 9.17	2.06%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 11.03	$ 13.73	0%	$ -	1.00	$ -	$ -	$ 166.67	$ 323.47	$ 503.86	$ 16.38	0.00	$ 509.22	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 2.70	0%	$ -	1.00	$ -	$ -	$ 204.17	$ 324.23	$ 531.10	$ -	0.00	$ 531.10	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 261.15	$ 287.61	$ 548.76	$ -	0.00	$ 548.76	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 249.17	$ 283.80	$ 532.97	$ -	0.00	$ 532.97	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 187.50	$ 349.41	$ 539.06	$ -	0.00	$ 539.06	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 20.11	$ 22.81	0%	$ -	1.00	$ -	$ -	$ 182.92	$ 359.33	$ 565.05	$ 29.88	0.00	$ 574.82	Best	Best	0	$ 9.77	1.73%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 7.99	$ 13.94	0%	$ -	1.00	$ -	$ -	$ 202.92	$ 377.64	$ 594.49	$ 11.87	0.00	$ 598.37	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 10.90	$ 14.15	0%	$ -	1.00	$ -	$ -	$ 201.67	$ 374.58	$ 590.40	$ 16.19	0.00	$ 595.69	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 5.00	0%	$ -	1.15	$ -	$ -	$ 286.54	$ 361.61	$ 653.16	$ -	0.00	$ 653.16	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 4.29	$ 14.99	0%	$ -	1.00	$ -	$ -	$ 204.58	$ 394.42	$ 613.99	$ 6.37	0.00	$ 616.07	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 1.24	$ 14.09	0%	$ -	1.00	$ -	$ -	$ 221.25	$ 422.65	$ 657.98	$ 1.83	0.00	$ 658.58	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 7.17	$ 17.34	0%	$ -	1.00	$ -	$ -	$ 75.00	$ 135.80	$ 228.14	$ 10.65	0.00	$ 231.62	Best	Best	0	$ 3.48	1.53%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 1.54	$ 11.71	0%	$ -	1.15	$ -	$ -	$ 142.31	$ 135.80	$ 289.82	$ 2.29	0.00	$ 290.57	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 9.33	$ 19.50	0%	$ -	1.00	$ -	$ -	$ 74.58	$ 139.61	$ 233.70	$ 13.86	0.00	$ 238.23	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 2.16	$ 14.48	0%	$ -	1.15	$ -	$ -	$ 122.19	$ 142.66	$ 279.33	$ 3.21	0.00	$ 280.38	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 7.17	$ 34.34	0%	$ -	1.00	$ -	$ -	$ 76.67	$ 135.80	$ 246.80	$ 10.65	0.00	$ 250.29	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 9.02	$ 19.19	0%	$ -	1.15	$ -	$ -	$ 138.96	$ 136.56	$ 294.71	$ 15.86	0.00	$ 301.54	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 14.65	$ 24.82	0%	$ -	1.00	$ -	$ -	$ 74.17	$ 139.61	$ 238.59	$ 24.22	0.00	$ 248.16	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 5.46	$ 17.78	0%	$ -	1.00	$ -	$ -	$ 76.25	$ 143.43	$ 237.45	$ 8.11	0.00	$ 240.10	Best	Best	0	$ 2.65	1.12%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 7.17	$ 7.17	0%	$ -	1.00	$ -	$ -	$ 68.75	$ 122.83	$ 198.75	$ 10.65	0.00	$ 202.23	Best	Best	0	$ 3.48	1.75%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 122.50	$ 207.51	$ 330.01	$ -	0.00	$ 330.01	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 15.82	$ 15.82	0%	$ -	1.00	$ -	$ -	$ 105.00	$ 222.00	$ 342.83	$ 23.51	0.00	$ 350.51	Best	Best	0	$ 7.68	2.24%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 135.00	$ 256.33	$ 391.33	$ -	0.00	$ 391.33	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 166.75	$ 212.09	$ 378.84	$ -	0.00	$ 378.84	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 6.47	$ 6.47	0%	$ -	1.00	$ -	$ -	$ 63.75	$ 112.91	$ 183.13	$ 9.61	0.00	$ 186.27	Best	Best	0	$ 3.14	1.72%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	2	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 0.49	$ 0.49	0%	$ -	1.00	$ -	$ -	$ 74.58	$ 119.01	$ 194.09	$ 0.73	0.00	$ 194.33	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 3.00	0%	$ -	1.00	$ -	$ -	$ 125.00	$ 237.26	$ 365.26	$ -	0.00	$ 365.26	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 18.61	$ 18.61	0%	$ -	1.00	$ -	$ -	$ 137.08	$ 282.27	$ 437.97	$ 27.65	0.00	$ 447.01	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 3.56	$ 6.56	0%	$ -	1.00	$ -	$ -	$ 132.92	$ 255.57	$ 395.05	$ 5.29	0.00	$ 396.78	Best	Best	0	$ 1.73	0.44%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 3.00	0%	$ -	1.00	$ -	$ -	$ 135.83	$ 270.83	$ 409.66	$ -	0.00	$ 409.66	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 22.64	$ 22.64	0%	$ -	1.00	$ -	$ -	$ 160.83	$ 331.10	$ 514.57	$ 33.64	0.00	$ 525.57	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 7.59	$ 10.59	0%	$ -	1.00	$ -	$ -	$ 163.33	$ 305.16	$ 479.08	$ 11.27	0.00	$ 482.76	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 3.00	0%	$ -	1.00	$ -	$ -	$ 157.50	$ 289.90	$ 450.40	$ -	0.00	$ 450.40	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 6.29	$ 6.29	0%	$ -	1.00	$ -	$ -	$ 64.58	$ 123.59	$ 194.46	$ 9.34	0.00	$ 197.51	Best	Best	0	$ 3.05	1.57%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 92.08	$ 157.92	$ 250.00	$ -	0.00	$ 250.00	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 103.98	$ 122.83	$ 226.81	$ -	0.00	$ 226.81	-	-	0	-	-
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 5.83	$ 5.83	0%	$ -	1.00	$ -	$ -	$ 71.67	$ 141.14	$ 218.64	$ 8.66	0.00	$ 221.47	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 3.66	$ 3.66	0%	$ -	1.15	$ -	$ -	$ 80.59	$ 125.88	$ 210.13	$ 5.44	0.00	$ 211.91	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 69.17	$ 128.17	$ 197.33	$ -	0.00	$ 197.33	Best	Best	0	$ -	0.00%

# Changes	2	Average Delta	
		$ 4.44	1.24%

Value of Time $/h = 30

Class 2L Vehicles Paying with Tolls by Mail

						Additional Route Detail				Toll Rates		Impact Factors											Cost/h VOT = >>	$ 30.00	Impacts on Drivers							
																							Cost/mile	$ 0.76	Value of Time $/h = 30							
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %						
			hours	minutes																												
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 191.50	$ 267.78	$ 468.68	$ 4.54	0.00	$ 470.16	-	Best	1	$ 4.04	0.86%						
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 10.52	$ 16.87	0%	$ -	1.00	$ -	$ -	$ 168.50	$ 280.75	$ 466.12	$ 15.63	0.00	$ 471.23	Best	-	1	-	-						
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 190.00	$ 298.29	$ 497.70	$ 4.54	0.00	$ 499.18	-	-	0	-	-						
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 188.00	$ 310.50	$ 507.90	$ 4.54	0.00	$ 509.39	-	-	0	-	-						
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 235.18	$ 250.23	$ 486.41	$ -	0.00	$ 486.41	-	-	0	-	-						
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 283.48	$ 277.70	$ 562.17	$ -	0.00	$ 562.17	-	-	0	-	-						
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 205.50	$ 333.39	$ 542.94	$ -	0.00	$ 542.94	-	-	0	-	-						
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.15	$ -	$ -	$ 212.14	$ 257.10	$ 478.64	$ 4.54	0.00	$ 480.12	-	-	0	-	-						
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 184.00	$ 300.58	$ 493.99	$ 4.54	0.00	$ 495.47	-	-	0	-	-						
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 10.90	$ 17.25	0%	$ -	1.00	$ -	$ -	$ 154.50	$ 264.73	$ 436.47	$ 16.19	0.00	$ 441.77	-	-	0	-	-						
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 210.45	$ 222.00	$ 433.45	$ -	0.00	$ 433.45	Best	Best	0	$ -	0.00%						
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 231.73	$ 247.18	$ 479.90	$ -	0.00	$ 479.90	-	-	0	-	-						
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 279.45	$ 266.25	$ 546.70	$ -	0.00	$ 546.70	-	-	0	-	-						
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 15.51	$ 21.86	0%	$ -	1.00	$ -	$ -	$ 198.50	$ 331.86	$ 552.22	$ 23.04	0.00	$ 559.75	Best	Best	0	$ 7.53	1.36%						
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 7.00	$ 13.35	0%	$ -	1.00	$ -	$ -	$ 226.00	$ 379.92	$ 619.28	$ 10.40	0.00	$ 622.68	-	-	0	-	-						
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05		0%	$ -	1.00	$ -	$ -	$ 236.50	$ 395.18	$ 631.68	$ 4.54	0.00	$ 642.57	-	-	0	-	-						
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 334.08	$ 334.15	$ 669.23	$ -	0.00	$ 669.23	-	-	0	-	-						
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 277.73	$ 292.95	$ 570.68	$ -	0.00	$ 570.68	-	-	0	-	-						
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 251.50	$ 415.02	$ 670.57	$ -	0.00	$ 670.57	-	-	0	-	-						
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 18.87	$ 25.22	0%	$ -	1.00	$ -	$ -	$ 221.00	$ 373.82	$ 620.05	$ 28.04	0.00	$ 629.21	Best	Best	0	$ 9.17	1.48%						
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 263.00	$ 412.73	$ 685.13	$ 4.54	0.00	$ 686.61	-	-	0	-	-						
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 324.88	$ 336.44	$ 661.31	$ -	0.00	$ 661.31	-	-	0	-	-						
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 279.00	$ 434.85	$ 717.90	$ -	0.00	$ 717.90	-	-	0	-	-						
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 285.00	$ 445.53	$ 734.58	$ -	0.00	$ 734.58	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 20.11	$ 26.46	0%	$ -	1.00	$ -	$ -	$ 265.50	$ 447.06	$ 739.02	$ 29.88	0.00	$ 748.78	Best	-	1	-	-						
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 7.99	$ 17.59	0%	$ -	1.00	$ -	$ -	$ 295.50	$ 470.71	$ 783.80	$ 11.87	0.00	$ 787.68	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 17.40	0%	$ -	1.00	$ -	$ -	$ 301.50	$ 483.68	$ 802.58	$ 4.54	0.00	$ 804.06	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 1.00	0%	$ -	1.00	$ -	$ -	$ 283.00	$ 464.61	$ 748.61	$ -	0.00	$ 748.61	-	Best	1	$ 9.59	1.28%						
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 12.05	0%	$ -	1.00	$ -	$ -	$ 325.00	$ 510.38	$ 847.43	$ -	0.00	$ 847.43	-	-	0	-	-						
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.15	$ -	$ -	$ 145.98	$ 176.99	$ 328.73	$ 4.54	0.00	$ 330.21	-	-	0	-	-						
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 10.52	$ 13.22	0%	$ -	1.00	$ -	$ -	$ 114.50	$ 190.73	$ 318.45	$ 15.63	0.00	$ 323.56	Best	Best	0	$ 5.11	1.60%						
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 141.00	$ 211.32	$ 358.08	$ 4.54	0.00	$ 359.56	-	-	0	-	-						
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 135.50	$ 217.43	$ 358.68	$ 4.54	0.00	$ 360.16	-	-	0	-	-						
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 186.30	$ 184.62	$ 370.92	$ -	0.00	$ 370.92	-	-	0	-	-						
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 192.05	$ 181.57	$ 373.62	$ -	0.00	$ 373.62	-	-	0	-	-						
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 174.80	$ 180.04	$ 354.84	$ -	0.00	$ 354.84	-	-	0	-	-						
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 157.00	$ 248.71	$ 407.86	$ -	0.00	$ 407.86	-	-	0	-	-						
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.15	$ -	$ -	$ 141.25	$ 166.31	$ 313.32	$ 4.54	0.00	$ 314.80	-	-	0	-	-						
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 10.90	$ 13.60	0%	$ -	1.00	$ -	$ -	$ 105.50	$ 174.70	$ 293.80	$ 16.19	0.00	$ 299.10	Best	Best	0	$ 5.29	1.80%						
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 138.00	$ 213.61	$ 357.36	$ 4.54	0.00	$ 358.85	-	-	0	-	-						
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 132.50	$ 219.72	$ 357.97	$ 4.54	0.00	$ 359.45	-	-	0	-	-						
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 181.70	$ 173.94	$ 355.64	$ -	0.00	$ 355.64	-	-	0	-	-						
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 187.45	$ 170.89	$ 358.34	$ -	0.00	$ 358.34	-	-	0	-	-						
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 201.25	$ 217.43	$ 418.68	$ -	0.00	$ 418.68	-	-	0	-	-						
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 154.00	$ 250.99	$ 407.14	$ -	0.00	$ 407.14	-	-	0	-	-						
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.15	$ -	$ -	$ 216.42	$ 243.37	$ 465.54	$ 4.54	0.00	$ 467.02	-	-	0	-	-						
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 14.85	$ 17.55	0%	$ -	1.00	$ -	$ -	$ 145.00	$ 240.31	$ 402.86	$ 22.06	0.00	$ 410.07	Best	Best	0	$ 7.21	1.79%						
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 182.00	$ 301.35	$ 489.10	$ 4.54	0.00	$ 490.58	-	-	0	-	-						
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 6.61	$ 9.31	0%	$ -	1.00	$ -	$ -	$ 171.50	$ 285.32	$ 466.14	$ 9.82	0.00	$ 469.35	-	-	0	-	-						
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 250.13	$ 242.60	$ 492.73	$ -	0.00	$ 492.73	-	-	0	-	-						
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 255.30	$ 240.31	$ 495.61	$ -	0.00	$ 495.61	-	-	0	-	-						
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 201.50	$ 329.57	$ 533.22	$ -	0.00	$ 533.22	-	-	0	-	-						
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 11.03	$ 13.73	0%	$ -	1.15	$ -	$ -	$ 211.66	$ 281.51	$ 506.90	$ 16.38	0.00	$ 512.26	-	-	0	-	-						
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 18.87	$ 21.57	0%	$ -	1.00	$ -	$ -	$ 169.00	$ 283.04	$ 473.61	$ 28.04	0.00	$ 482.78	Best	Best	0	$ 9.17	1.94%						
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 11.03	$ 13.73	0%	$ -	1.00	$ -	$ -	$ 200.00	$ 323.47	$ 537.20	$ 16.38	0.00	$ 542.55	-	-	0	-	-						
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 2.70	0%	$ -	1.00	$ -	$ -	$ 245.00	$ 324.23	$ 571.93	$ -	0.00	$ 571.93	-	-	0	-	-						
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 313.38	$ 287.61	$ 600.99	$ -	0.00	$ 600.99	-	-	0	-	-						
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 299.00	$ 283.80	$ 582.80	$ -	0.00	$ 582.80	-	-	0	-	-						
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 225.00	$ 349.41	$ 576.56	$ -	0.00	$ 576.56	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 20.11	$ 22.81	0%	$ -	1.00	$ -	$ -	$ 219.50	$ 359.33	$ 601.64	$ 29.88	0.00	$ 611.40	Best	Best	0	$ 9.77	1.62%						
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 7.99	$ 13.94	0%	$ -	1.00	$ -	$ -	$ 243.50	$ 377.64	$ 635.07	$ 11.87	0.00	$ 638.95	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 10.90	$ 14.15	0%	$ -	1.00	$ -	$ -	$ 242.00	$ 374.58	$ 630.73	$ 16.19	0.00	$ 636.03	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 5.00	0%	$ -	1.15	$ -	$ -	$ 343.85	$ 361.61	$ 710.46	$ -	0.00	$ 710.46	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 4.29	$ 14.99	0%	$ -	1.00	$ -	$ -	$ 245.50	$ 394.42	$ 654.91	$ 6.37	0.00	$ 656.99	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 1.24	$ 14.09	0%	$ -	1.00	$ -	$ -	$ 265.50	$ 422.65	$ 702.23	$ 1.83	0.00	$ 702.83	-	-	0	-	-						
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 7.17	$ 17.34	0%	$ -	1.00	$ -	$ -	$ 90.00	$ 135.80	$ 243.14	$ 10.65	0.00	$ 246.62	Best	Best	0	$ 3.48	1.43%						
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 1.54	$ 11.71	0%	$ -	1.15	$ -	$ -	$ 170.78	$ 135.80	$ 318.28	$ 2.29	0.00	$ 319.03	-	-	0	-	-						
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 9.33	$ 19.50	0%	$ -	1.00	$ -	$ -	$ 89.50	$ 139.61	$ 248.61	$ 13.86	0.00	$ 253.14	-	-	0	-	-						
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 2.16	$ 14.48	0%	$ -	1.15	$ -	$ -	$ 146.63	$ 142.66	$ 303.77	$ 3.21	0.00	$ 304.82	-	-	0	-	-						
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 7.17	$ 34.34	0%	$ -	1.00	$ -	$ -	$ 92.00	$ 135.80	$ 262.14	$ 10.65	0.00	$ 265.62	-	-	0	-	-						
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 9.02	$ 19.19	0%	$ -	1.15	$ -	$ -	$ 166.75	$ 136.56	$ 322.50	$ 15.86	0.00	$ 329.34	-	-	0	-	-						
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 14.65	$ 24.82	0%	$ -	1.00	$ -	$ -	$ 89.00	$ 139.61	$ 253.43	$ 24.22	0.00	$ 263.00	-	-	0	-	-						
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 5.46	$ 17.78	0%	$ -	1.00	$ -	$ -	$ 91.50	$ 143.43	$ 252.70	$ 8.11	0.00	$ 255.35	Best	Best	0	$ 2.65	1.05%						
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 7.17	$ 7.17	0%	$ -	1.00	$ -	$ -	$ 82.50	$ 122.83	$ 212.50	$ 10.65	0.00	$ 215.98	Best	Best	0	$ 3.48	1.64%						
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 147.00	$ 207.51	$ 354.51	$ -	0.00	$ 354.51	-	-	0	-	-						
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 15.82	$ 15.82	0%	$ -	1.00	$ -	$ -	$ 126.00	$ 222.00	$ 363.83	$ 23.51	0.00	$ 371.51	Best	Best	0	$ 7.68	2.11%						
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 162.00	$ 256.33	$ 418.33	$ -	0.00	$ 418.33	-	-	0	-	-						
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 200.10	$ 212.09	$ 412.19	$ -	0.00	$ 412.19	-	-	0	-	-						
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 6.47	$ 6.47	0%	$ -	1.00	$ -	$ -	$ 76.50	$ 112.91	$ 195.88	$ 9.61	0.00	$ 199.02	Best	Best	0	$ 3.14	1.60%						
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	2	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 0.49	$ 0.49	0%	$ -	1.00	$ -	$ -	$ 89.50	$ 119.01	$ 209.01	$ 0.73	0.00	$ 209.25	-	-	0	-	-						
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 3.00	0%	$ -	1.00	$ -	$ -	$ 150.00	$ 237.26	$ 390.26	$ -	0.00	$ 390.26	-	-	0	-	-						
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 18.61	$ 18.61	0%	$ -	1.00	$ -	$ -	$ 164.50	$ 282.27	$ 465.39	$ 27.65	0.00	$ 474.43	-	-	0	-	-						
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 3.56	$ 6.56	0%	$ -	1.00	$ -	$ -	$ 159.50	$ 255.57	$ 421.63	$ 5.29	0.00	$ 423.36	Best	Best	0	$ 1.73	0.41%						
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 3.00	0%	$ -	1.00	$ -	$ -	$ 163.00	$ 270.83	$ 436.83	$ -	0.00	$ 436.83	-	-	0	-	-						
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 22.64	$ 22.64	0%	$ -	1.00	$ -	$ -	$ 193.00	$ 331.10	$ 546.74	$ 33.64	0.00	$ 557.74	-	-	0	-	-						
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 7.59	$ 10.59	0%	$ -	1.00	$ -	$ -	$ 196.00	$ 305.16	$ 511.75	$ 11.27	0.00	$ 515.43	-	-	0	-	-						
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 3.00	0%	$ -	1.00	$ -	$ -	$ 189.00	$ 289.90	$ 481.90	$ -	0.00	$ 481.90	Best	Best	0	$ -	0.00%						
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 6.29	$ 6.29	0%	$ -	1.00	$ -	$ -	$ 77.50	$ 123.59	$ 207.38	$ 9.34	0.00	$ 210.43	Best	Best	0	$ 3.05	1.47%						
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 110.50	$ 157.92	$ 268.42	$ -	0.00	$ 268.42	-	-	0	-	-						
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 124.78	$ 122.83	$ 247.60	$ -	0.00	$ 247.60	-	-	0	-	-						

Value of Time $/h = 40

Class 2L Vehicles Paying with Tolls by Mail

Cost/h VOT = >>	$ 40.00
Cost/mile	$ 0.76

			Time			Additional Route Detail				Toll Rates		Impact Factors										Impacts on Drivers				
Origin	Destination	Route	hours	minutes	Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Value of Time $/h = 40				
																							Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 255.33	$ 267.78	$ 532.51	$ 4.54	0.00	$ 534.00	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 10.52	$ 16.87	0%	$ -	1.00	$ -	$ -	$ 224.67	$ 280.75	$ 522.29	$ 15.63	0.00	$ 527.40	Best	Best	0	$ 5.11	0.98%
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 253.33	$ 298.29	$ 561.03	$ 4.54	0.00	$ 562.51	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 250.67	$ 310.50	$ 570.57	$ 4.54	0.00	$ 572.05	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 313.57	$ 250.23	$ 564.80	$ -	0.00	$ 564.80	-	-	0	-	-
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 377.97	$ 277.70	$ 656.66	$ -	0.00	$ 656.66	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 274.00	$ 333.39	$ 611.44	$ -	0.00	$ 611.44	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.15	$ -	$ -	$ 282.86	$ 257.10	$ 549.36	$ 4.54	0.00	$ 550.84	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 245.33	$ 300.58	$ 555.32	$ 4.54	0.00	$ 556.80	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 10.90	$ 17.25	0%	$ -	1.00	$ -	$ -	$ 206.00	$ 264.73	$ 487.97	$ 16.19	0.00	$ 493.27	Best	Best	0	$ 5.29	1.08%
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 280.60	$ 222.00	$ 503.60	$ -	0.00	$ 503.60	-	-	0	-	-
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 308.97	$ 247.18	$ 557.15	$ -	0.00	$ 557.15	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 372.60	$ 266.25	$ 639.85	$ -	0.00	$ 639.85	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 15.51	$ 21.86	0%	$ -	1.00	$ -	$ -	$ 264.67	$ 331.86	$ 618.39	$ 23.04	0.00	$ 625.92	Best	Best	0	$ 7.53	1.22%
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 7.00	$ 13.35	0%	$ -	1.00	$ -	$ -	$ 301.33	$ 379.92	$ 694.61	$ 10.40	0.00	$ 698.01	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05		0%	$ -	1.00	$ -	$ -	$ 315.33	$ 395.18	$ 710.52	$ 4.54	0.00	$ 721.40	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 1.00	0%	$ -	1.15	$ -	$ -	$ 445.43	$ 334.15	$ 780.58	$ -	0.00	$ 780.58	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 370.30	$ 292.95	$ 663.25	$ -	0.00	$ 663.25	-	-	0	-	-
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 335.33	$ 415.02	$ 754.40	$ -	0.00	$ 754.40	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 18.87	$ 25.22	0%	$ -	1.00	$ -	$ -	$ 294.67	$ 373.82	$ 693.71	$ 28.04	0.00	$ 702.88	Best	Best	0	$ 9.17	1.32%
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 9.40	0%	$ -	1.00	$ -	$ -	$ 350.67	$ 412.73	$ 772.80	$ 4.54	0.00	$ 774.28	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 433.17	$ 336.44	$ 769.61	$ -	0.00	$ 769.61	-	-	0	-	-
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 372.00	$ 434.85	$ 810.90	$ -	0.00	$ 810.90	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 4.05	0%	$ -	1.00	$ -	$ -	$ 380.00	$ 445.53	$ 829.58	$ -	0.00	$ 829.58	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 20.11	$ 26.46	0%	$ -	1.00	$ -	$ -	$ 354.00	$ 447.06	$ 827.52	$ 29.88	0.00	$ 837.28	Best	Best	0	$ 9.77	1.18%
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 7.99	$ 17.59	0%	$ -	1.00	$ -	$ -	$ 394.00	$ 470.71	$ 882.30	$ 11.87	0.00	$ 886.18	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 3.05	$ 17.40	0%	$ -	1.00	$ -	$ -	$ 402.00	$ 483.68	$ 903.08	$ 4.54	0.00	$ 904.56	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 1.00	0%	$ -	1.00	$ -	$ -	$ 377.33	$ 464.61	$ 842.94	$ -	0.00	$ 842.94	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 12.05	0%	$ -	1.00	$ -	$ -	$ 433.33	$ 510.38	$ 955.76	$ -	0.00	$ 955.76	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.15	$ -	$ -	$ 194.64	$ 176.99	$ 377.39	$ 4.54	0.00	$ 378.87	-	-	0	-	-
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 10.52	$ 13.22	0%	$ -	1.00	$ -	$ -	$ 152.67	$ 190.73	$ 356.61	$ 15.63	0.00	$ 361.72	Best	Best	0	$ 5.11	1.43%
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 188.00	$ 211.32	$ 405.08	$ 4.54	0.00	$ 406.56	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 180.67	$ 217.43	$ 403.85	$ 4.54	0.00	$ 405.33	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 248.40	$ 184.62	$ 433.02	$ -	0.00	$ 433.02	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 256.07	$ 181.57	$ 437.64	$ -	0.00	$ 437.64	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 233.07	$ 180.04	$ 413.11	$ -	0.00	$ 413.11	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 209.33	$ 248.71	$ 460.19	$ -	0.00	$ 460.19	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.15	$ -	$ -	$ 188.34	$ 166.31	$ 360.40	$ 4.54	0.00	$ 361.89	-	-	0	-	-
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 10.90	$ 13.60	0%	$ -	1.00	$ -	$ -	$ 140.67	$ 174.70	$ 328.97	$ 16.19	0.00	$ 334.26	Best	Best	0	$ 5.29	1.61%
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 184.00	$ 213.61	$ 403.36	$ 4.54	0.00	$ 404.85	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 176.67	$ 219.72	$ 402.13	$ 4.54	0.00	$ 403.62	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 242.27	$ 173.94	$ 416.21	$ -	0.00	$ 416.21	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 249.93	$ 170.89	$ 420.82	$ -	0.00	$ 420.82	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 268.33	$ 217.43	$ 485.76	$ -	0.00	$ 485.76	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 205.33	$ 250.99	$ 458.48	$ -	0.00	$ 458.48	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.15	$ -	$ -	$ 288.56	$ 243.37	$ 537.68	$ 4.54	0.00	$ 539.16	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 14.85	$ 17.55	0%	$ -	1.00	$ -	$ -	$ 193.33	$ 240.31	$ 451.19	$ 22.06	0.00	$ 458.40	Best	Best	0	$ 7.21	1.60%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 3.05	$ 5.75	0%	$ -	1.00	$ -	$ -	$ 242.67	$ 301.35	$ 549.76	$ 4.54	0.00	$ 551.25	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 6.61	$ 9.31	0%	$ -	1.00	$ -	$ -	$ 228.67	$ 285.32	$ 523.30	$ 9.82	0.00	$ 526.51	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 333.50	$ 242.60	$ 576.10	$ -	0.00	$ 576.10	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 340.40	$ 240.31	$ 580.71	$ -	0.00	$ 580.71	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 268.67	$ 329.57	$ 600.39	$ -	0.00	$ 600.39	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 11.03	$ 13.73	0%	$ -	1.15	$ -	$ -	$ 282.22	$ 281.51	$ 577.46	$ 16.38	0.00	$ 582.81	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 18.87	$ 21.57	0%	$ -	1.00	$ -	$ -	$ 225.33	$ 283.04	$ 529.94	$ 28.04	0.00	$ 539.11	Best	Best	0	$ 9.17	1.73%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 11.03	$ 13.73	0%	$ -	1.00	$ -	$ -	$ 266.67	$ 323.47	$ 603.86	$ 16.38	0.00	$ 609.22	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 2.70	0%	$ -	1.00	$ -	$ -	$ 326.67	$ 324.23	$ 653.60	$ -	0.00	$ 653.60	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 417.83	$ 287.61	$ 705.45	$ -	0.00	$ 705.45	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 398.67	$ 283.80	$ 682.47	$ -	0.00	$ 682.47	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 2.15	0%	$ -	1.00	$ -	$ -	$ 300.00	$ 349.41	$ 651.56	$ -	0.00	$ 651.56	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 20.11	$ 22.81	0%	$ -	1.00	$ -	$ -	$ 292.67	$ 359.33	$ 674.80	$ 29.88	0.00	$ 684.57	Best	Best	0	$ 9.77	1.45%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 7.99	$ 13.94	0%	$ -	1.00	$ -	$ -	$ 324.67	$ 377.64	$ 716.24	$ 11.87	0.00	$ 720.12	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 10.90	$ 14.15	0%	$ -	1.00	$ -	$ -	$ 322.67	$ 374.58	$ 711.40	$ 16.19	0.00	$ 716.69	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 5.00	0%	$ -	1.15	$ -	$ -	$ 458.47	$ 361.61	$ 825.08	$ -	0.00	$ 825.08	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 4.29	$ 14.99	0%	$ -	1.00	$ -	$ -	$ 327.33	$ 394.42	$ 736.74	$ 6.37	0.00	$ 738.82	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 1.24	$ 14.09	0%	$ -	1.00	$ -	$ -	$ 354.00	$ 422.65	$ 790.73	$ 1.83	0.00	$ 791.33	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 7.17	$ 17.34	0%	$ -	1.00	$ -	$ -	$ 120.00	$ 135.80	$ 273.14	$ 10.65	0.00	$ 276.62	Best	Best	0	$ 3.48	1.27%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 1.54	$ 11.71	0%	$ -	1.15	$ -	$ -	$ 227.70	$ 135.80	$ 375.21	$ 2.29	0.00	$ 375.96	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 9.33	$ 19.50	0%	$ -	1.00	$ -	$ -	$ 119.33	$ 139.61	$ 278.45	$ 13.86	0.00	$ 282.98	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 2.16	$ 14.48	0%	$ -	1.15	$ -	$ -	$ 195.50	$ 142.66	$ 352.64	$ 3.21	0.00	$ 353.69	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 7.17	$ 34.34	0%	$ -	1.00	$ -	$ -	$ 122.67	$ 135.80	$ 292.80	$ 10.65	0.00	$ 296.29	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 9.02	$ 19.19	0%	$ -	1.15	$ -	$ -	$ 222.33	$ 136.56	$ 378.08	$ 15.86	0.00	$ 384.92	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 14.65	$ 24.82	0%	$ -	1.00	$ -	$ -	$ 118.67	$ 139.61	$ 283.09	$ 24.22	0.00	$ 292.66	Best	-	1	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 5.46	$ 17.78	0%	$ -	1.00	$ -	$ -	$ 122.00	$ 143.43	$ 283.20	$ 8.11	0.00	$ 285.85	-	Best	1	$ 2.76	0.97%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 7.17	$ 7.17	0%	$ -	1.00	$ -	$ -	$ 110.00	$ 122.83	$ 240.00	$ 10.65	0.00	$ 243.48	Best	Best	0	$ 3.48	1.45%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 196.00	$ 207.51	$ 403.51	$ -	0.00	$ 403.51	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 15.82	$ 15.82	0%	$ -	1.00	$ -	$ -	$ 168.00	$ 222.00	$ 405.83	$ 23.51	0.00	$ 413.51	Best	Best	0	$ 7.68	1.89%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 216.00	$ 256.33	$ 472.33	$ -	0.00	$ 472.33	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 266.80	$ 212.09	$ 478.89	$ -	0.00	$ 478.89	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 6.47	$ 6.47	0%	$ -	1.00	$ -	$ -	$ 102.00	$ 112.91	$ 221.38	$ 9.61	0.00	$ 224.52	Best	Best	0	$ 3.14	1.42%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	2	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 0.49	$ 0.49	0%	$ -	1.00	$ -	$ -	$ 119.33	$ 119.01	$ 238.84	$ 0.73	0.00	$ 239.08	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 3.00	0%	$ -	1.00	$ -	$ -	$ 200.00	$ 237.26	$ 440.26	$ -	0.00	$ 440.26	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 18.61	$ 18.61	0%	$ -	1.00	$ -	$ -	$ 219.33	$ 282.27	$ 520.22	$ 27.65	0.00	$ 529.26	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 3.56	$ 6.56	0%	$ -	1.00	$ -	$ -	$ 212.67	$ 255.57	$ 474.80	$ 5.29	0.00	$ 476.53	Best	Best	0	$ 1.73	0.36%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 3.00	0%	$ -	1.00	$ -	$ -	$ 217.33	$ 270.83	$ 491.16	$ -	0.00	$ 491.16	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 22.64	$ 22.64	0%	$ -	1.00	$ -	$ -	$ 257.33	$ 331.10	$ 611.07	$ 33.64	0.00	$ 622.07	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 7.59	$ 10.59	0%	$ -	1.00	$ -	$ -	$ 261.33	$ 305.16	$ 577.08	$ 11.27	0.00	$ 580.76	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 3.00	0%	$ -	1.00	$ -	$ -	$ 252.00	$ 289.90	$ 544.90	$ -	0.00	$ 544.90	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 6.29	$ 6.29	0%	$ -	1.00	$ -	$ -	$ 103.33	$ 123.59	$ 233.21	$ 9.34	0.00	$ 236.26	Best	Best	0	$ 3.05	1.31%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 147.33	$ 157.92	$ 305.25	$ -	0.00	$ 305.25	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 166.37	$ 122.83	$ 289.19	$ -	0.00	$ 289.19	-	-	0	-	-
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 5.83	$ 5.83	0%	$ -	1.00	$ -	$ -	$ 114.67	$ 141.14	$ 261.64	$ 8.66	0.00	$ 264.47	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 3.66	$ 3.66	0%	$ -	1.15	$ -	$ -	$ 128.94	$ 125.88	$ 258.48	$ 5.44	0.00	$ 260.26	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 110.67	$ 128.17	$ 238.83	$ -	0.00	$ 238.83	Best	Best	0	$ -	0.00%

# Changes	1	Average Delta	
		$ 5.20	1.17%

Best Route Choice Analysis Results

Class 5H **NY E-ZPass**

			Impacts on Drivers as a Function of Value of Time																	
			Value of time $/h = 30			Value of time $/h = 40			Value of time $/h = 50			Value of time $/h = 65			Value of time $/h = 75			Value of time $/h = 85		
Origin	Destination	Route	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	-	-	0	Best	Best	0	Best	Best	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	I-90 (Exit 34A)	-	-	0	-	-	0	-	-	0	Best	Best	0	Best	Best	0	Best	Best	0
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	Best	Best	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	US-20 (from w of Boston)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 (Exit 36)	-	-	0	-	-	0	-	-	0	Best	Best	0	Best	Best	0	Best	Best	0
Manchester, NH	Syracuse	VT-9 and US-20	Best	Best	0	Best	Best	0	Best	Best	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	MA-2 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	I-90 (Exit 46)	-	-	0	-	-	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	VT-9, US-20, NY 104	Best	Best	0	Best	Best	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-90 (Exit 51)	-	-	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	US - 20(VT-9)	Best	Best	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	Best	-	1
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	-	Best	1
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	Best	Best	0	-	Best	1	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90	-	-	0	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	-	Best	1	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-90 (Exit 36)	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	NY-145 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	US-20 (entire route)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	US - 20 and I-88	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-90 (Exit 45)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	US - 20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-90	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	NY-5 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	US - 20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Albany	Buffalo	I-90	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Albany	Buffalo	US20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Rochester	Erie	I-90 (Exit 46 to PA Line)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Rochester	Erie	I390 and I86 (I390,408,19,I86)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I-81(I81,I690,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I390 (I86,I390,63)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
				Changes	1		Changes	1		Changes	0		Changes	0		Changes	0		Changes	1
				Average Delta			Average Delta			Average Delta			Average Delta			Average Delta			Average Delta	
				$ 2.06	0.48%		$ 2.60	0.52%		$ 2.95	0.52%		$ 3.28	0.51%		$ 3.28	0.48%		$ 3.34	0.45%

Value of Time $/h = 30

Class 5H Vehicles Paying with a NY E-ZPass

						Additional Route Detail				Toll Rates		Impact Factors												Cost/h VOT = >>	$ 30.00	Impacts on Drivers						
																								Cost/mile	$ 1.01	Value of Time $/h = 30						
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
			hours	minutes																												
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 191.50	$ 355.91	$ 571.79	$ 13.16	1.97	$ 572.83	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 41.15	$ 56.35	15%	$ 0.02	1.00	$ 6.17	$ 3.33	$ 168.50	$ 373.15	$ 588.51	$ 45.37	6.81	$ 592.09	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 190.00	$ 396.47	$ 610.85	$ 13.16	1.97	$ 611.89	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 188.00	$ 412.70	$ 625.08	$ 13.16	1.97	$ 626.12	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 235.18	$ 332.59	$ 571.27	$ -	0.00	$ 571.27	Best	Best	0	$ -	0.00%
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 283.48	$ 369.10	$ 656.07	$ -	0.00	$ 656.07	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 205.50	$ 443.12	$ 669.32	$ -	0.00	$ 669.32	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 212.14	$ 341.72	$ 578.24	$ 13.16	1.97	$ 579.28	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 184.00	$ 399.52	$ 607.89	$ 13.16	1.97	$ 608.93	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 42.63	$ 57.83	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 154.50	$ 351.86	$ 554.34	$ 46.99	7.05	$ 558.05	-	-	0	-	-
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 210.45	$ 295.07	$ 509.02	$ -	0.00	$ 509.02	Best	Best	0	$ -	0.00%
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 231.73	$ 328.54	$ 563.76	$ -	0.00	$ 563.76	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 279.45	$ 353.89	$ 636.84	$ -	0.00	$ 636.84	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 60.66	$ 75.86	15%	$ 0.02	1.00	$ 9.10	$ 5.04	$ 198.50	$ 441.09	$ 701.31	$ 66.88	10.03	$ 706.60	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 27.38	$ 42.58	15%	$ 0.02	1.00	$ 4.11	$ 2.35	$ 226.00	$ 504.97	$ 767.10	$ 30.19	4.53	$ 769.48	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94		15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 236.50	$ 525.25	$ 758.99	$ 13.16	1.97	$ 787.17	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 334.08	$ 444.13	$ 781.71	$ -	0.00	$ 781.71	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		15%	$ 0.02	1.15	$ -	$ -	$ 277.73	$ 389.38	$ 667.10	$ -	0.00	$ 667.10	Best	Best	0	$ -	0.00%
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 251.50	$ 551.62	$ 823.82	$ -	0.00	$ 823.82	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 73.82	$ 89.02	15%	$ 0.02	1.00	$ 11.07	$ 6.20	$ 221.00	$ 496.86	$ 789.61	$ 81.39	12.21	$ 796.04	-	-	0	-	-
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 263.00	$ 548.57	$ 835.95	$ 13.16	1.97	$ 836.99	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 324.88	$ 447.17	$ 772.05	$ -	0.00	$ 772.05	Best	Best	0	$ -	0.00%
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 279.00	$ 577.98	$ 877.68	$ -	0.00	$ 877.68	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 285.00	$ 592.18	$ 897.88	$ -	0.00	$ 897.88	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 77.86	$ 93.06	15%	$ 0.02	1.00	$ 11.68	$ 6.20	$ 265.50	$ 594.20	$ 934.89	$ 85.84	12.88	$ 941.67	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 31.25	$ 60.45	15%	$ 0.02	1.00	$ 4.69	$ 2.45	$ 295.50	$ 625.64	$ 974.45	$ 34.45	5.17	$ 977.17	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407)	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 59.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 301.50	$ 642.88	$ 1,000.75	$ 13.16	1.97	$ 1,001.79	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.50	15%	$ 0.02	1.00	$ -	$ -	$ 283.00	$ 617.53	$ 904.03	$ -	0.00	$ 904.03	Best	Best	0	$ -	0.00%
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 52.70	15%	$ 0.02	1.00	$ -	$ -	$ 325.00	$ 678.37	$ 1,056.07	$ -	0.00	$ 1,056.07	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 145.98	$ 235.25	$ 396.41	$ 13.16	1.97	$ 397.45	Best	Best	0	$ 1.04	0.26%
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 41.15	$ 47.15	15%	$ 0.02	1.00	$ 6.17	$ 3.33	$ 114.50	$ 253.50	$ 405.65	$ 45.37	6.81	$ 409.24	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 141.00	$ 280.88	$ 437.06	$ 13.16	1.97	$ 438.10	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 135.50	$ 288.99	$ 439.67	$ 13.16	1.97	$ 440.71	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 186.30	$ 245.39	$ 431.69	$ -	0.00	$ 431.69	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 192.05	$ 241.33	$ 433.38	$ -	0.00	$ 433.38	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 174.80	$ 239.30	$ 414.10	$ -	0.00	$ 414.10	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 157.00	$ 330.56	$ 502.81	$ -	0.00	$ 502.81	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 141.25	$ 221.05	$ 377.48	$ 13.16	1.97	$ 378.52	-	Best	1	$ 2.04	0.54%
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 42.63	$ 48.63	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 105.50	$ 232.21	$ 376.49	$ 46.99	7.05	$ 380.20	Best	-	1	-	-
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 138.00	$ 283.92	$ 437.10	$ 13.16	1.97	$ 438.14	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 132.50	$ 292.03	$ 439.71	$ 13.16	1.97	$ 440.75	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 181.70	$ 231.19	$ 412.89	$ -	0.00	$ 412.89	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 187.45	$ 227.14	$ 414.59	$ -	0.00	$ 414.59	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 201.25	$ 288.99	$ 490.24	$ -	0.00	$ 490.24	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 154.00	$ 333.61	$ 502.86	$ -	0.00	$ 502.86	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 216.42	$ 323.47	$ 555.07	$ 13.16	1.97	$ 556.11	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 58.07	$ 64.07	15%	$ 0.02	1.00	$ 8.71	$ 4.83	$ 145.00	$ 319.41	$ 514.94	$ 64.02	9.60	$ 520.00	Best	Best	0	$ 5.06	0.98%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 182.00	$ 400.53	$ 597.71	$ 13.16	1.97	$ 598.75	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 25.86	$ 31.86	15%	$ 0.02	1.00	$ 3.88	$ 2.22	$ 171.50	$ 379.24	$ 576.50	$ 28.51	4.28	$ 578.75	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 250.13	$ 322.45	$ 572.58	$ -	0.00	$ 572.58	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 255.30	$ 319.41	$ 574.71	$ -	0.00	$ 574.71	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 201.50	$ 438.05	$ 654.80	$ -	0.00	$ 654.80	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 43.13	$ 49.13	15%	$ 0.02	1.15	$ 6.47	$ 3.72	$ 211.66	$ 374.17	$ 624.77	$ 47.55	7.13	$ 628.53	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 73.82	$ 79.82	15%	$ 0.02	1.00	$ 11.07	$ 6.20	$ 169.00	$ 376.19	$ 607.74	$ 81.39	12.21	$ 614.17	Best	Best	0	$ 6.43	1.06%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 43.13	$ 49.13	15%	$ 0.02	1.00	$ 6.47	$ -	$ 200.00	$ 429.94	$ 672.60	$ 47.55	7.13	$ 676.36	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.00	15%	$ 0.02	1.00	$ -	$ -	$ 245.00	$ 430.95	$ 681.95	$ -	0.00	$ 681.95	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 313.38	$ 382.28	$ 695.65	$ -	0.00	$ 695.65	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 299.00	$ 377.21	$ 676.21	$ -	0.00	$ 676.21	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 225.00	$ 464.41	$ 704.66	$ -	0.00	$ 704.66	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 77.86	$ 83.86	15%	$ 0.02	1.00	$ 11.68	$ 6.20	$ 219.50	$ 477.59	$ 763.08	$ 85.84	12.88	$ 769.86	Best	Best	0	$ 6.78	0.89%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 31.25	$ 51.25	15%	$ 0.02	1.00	$ 4.69	$ 2.45	$ 243.50	$ 501.93	$ 789.54	$ 34.45	5.17	$ 792.26	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 42.63	$ 56.63	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 242.00	$ 497.87	$ 786.65	$ 46.99	7.05	$ 790.37	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	15%	$ 0.02	1.15	$ -	$ -	$ 343.85	$ 480.64	$ 856.49	$ -	0.00	$ 856.49	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.98	$ 53.98	15%	$ 0.02	1.00	$ 2.40	$ 0.97	$ 245.50	$ 524.24	$ 820.35	$ 17.62	2.64	$ 821.74	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 4.04	$ 57.29	15%	$ 0.02	1.00	$ 0.61	$ -	$ 265.50	$ 561.76	$ 883.94	$ 4.45	0.67	$ 884.29	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 28.04	$ 60.37	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 90.00	$ 180.49	$ 324.48	$ 30.92	4.64	$ 326.93	Best	Best	0	$ 2.44	0.75%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 4.04	$ 36.37	15%	$ 0.02	1.15	$ 0.61	$ -	$ 170.78	$ 180.49	$ 387.03	$ 4.45	0.67	$ 387.38	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 49.14	$ 81.47	15%	$ 0.02	1.00	$ 7.37	$ 2.18	$ 89.50	$ 185.56	$ 346.99	$ 54.18	8.13	$ 351.27	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 7.60	$ 55.18	15%	$ 0.02	1.15	$ 1.14	$ -	$ 146.63	$ 189.62	$ 390.28	$ 8.38	1.26	$ 390.95	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 28.04	$ 160.37	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 92.00	$ 180.49	$ 426.48	$ 30.92	4.64	$ 428.93	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 59.81	$ 92.14	15%	$ 0.02	1.15	$ 8.97	$ -	$ 166.75	$ 181.51	$ 431.43	$ 79.63	11.94	$ 448.27	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 83.82	$ 116.15	15%	$ 0.02	1.00	$ 12.57	$ 2.18	$ 89.00	$ 185.56	$ 375.96	$ 106.09	15.91	$ 394.89	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 21.34	$ 68.92	15%	$ 0.02	1.00	$ 3.20	$ 1.87	$ 91.50	$ 190.63	$ 345.98	$ 23.53	3.53	$ 347.83	Best	Best	0	$ 1.86	0.54%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 28.04	$ 28.04	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 82.50	$ 163.25	$ 267.41	$ 30.92	4.64	$ 269.86	Best	Best	0	$ 2.44	0.91%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	15%	$ 0.02	1.00	$ -	$ -	$ 147.00	$ 275.81	$ 422.81	$ -	0.00	$ 422.81	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 61.88	$ 61.88	15%	$ 0.02	1.00	$ 9.28	$ 5.44	$ 126.00	$ 295.07	$ 468.23	$ 68.22	10.23	$ 473.62	Best	Best	0	$ 5.39	1.15%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	15%	$ 0.02	1.00	$ -	$ 0.21	$ 162.00	$ 340.70	$ 502.49	$ -	0.00	$ 502.49	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 200.10	$ 281.89	$ 481.99	$ -	0.00	$ 481.99	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 25.30	$ 25.30	15%	$ 0.02	1.00	$ 3.80	$ 1.94	$ 76.50	$ 150.07	$ 246.14	$ 27.89	4.18	$ 248.34	Best	Best	0	$ 2.20	0.90%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 1.93	$ 1.93	15%	$ 0.02	1.00	$ 0.29	$ 0.17	$ 3,029.50	$ 158.18	$ 3,189.16	$ 2.13	0.32	$ 3,189.32	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 150.00	$ 315.35	$ 487.85	$ -	0.00	$ 487.85	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 72.80	$ 72.80	15%	$ 0.02	1.00	$ 10.92	$ 6.12	$ 164.50	$ 375.18	$ 595.44	$ 80.27	12.04	$ 601.78	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 13.92	$ 36.42	15%	$ 0.02	1.00	$ 2.09	$ 1.23	$ 159.50	$ 339.69	$ 532.29	$ 15.35	2.30	$ 533.51	Best	Best	0	$ 1.21	0.23%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 163.00	$ 359.97	$ 545.47	$ -	0.00	$ 545.47	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 88.55	$ 88.55	15%	$ 0.02	1.00	$ 13.28	$ 7.51	$ 193.00	$ 440.08	$ 700.84	$ 97.63	14.64	$ 708.55	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 29.67	$ 52.17	15%	$ 0.02	1.00	$ 4.45	$ 2.62	$ 196.00	$ 405.60	$ 646.70	$ 32.71	4.91	$ 649.29	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 189.00	$ 385.32	$ 596.82	$ -	0.00	$ 596.82	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 24.59	$ 24.59	15%	$ 0.02	1.00	$ 3.69	$ 2.49	$ 77.50	$ 164.27	$ 260.18	$ 27.11	4.07	$ 262.32	Best	Best	0	$ 2.14	0.82%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	15%	$

Value of Time $/h = 40

Class 5H Vehicles Paying with a NY E-ZPass

Cost/h	VOT = >>	$ 40.00
Cost/mile		$ 1.01

Origin	Destination	Route	Time hours	Time minutes	Distance (Mi)	Additional Route Detail: NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	Toll Rates: NYSTA Toll (Total)	Toll Rates: Total Trip Toll	Impact Factors: Volume Discount	Impact Factors: Tax Credit/mile	Impact Factors: Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Impacts on Drivers: Best (Base)	Best (New)	Route Changes	Value of Time $/h = 40: Delta ($)	Delta %
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 255.33	$ 355.91	$ 635.63	$ 13.16	1.97	$ 636.67	Best	Best	0	$ 1.04	0.16%
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 41.15	$ 56.35	15%	$ 0.02	1.00	$ 6.17	$ 3.33	$ 224.67	$ 373.15	$ 644.67	$ 45.37	6.81	$ 648.26	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 253.33	$ 396.47	$ 674.19	$ 13.16	1.97	$ 675.23	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 250.67	$ 412.70	$ 687.74	$ 13.16	1.97	$ 688.78	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 313.57	$ 332.59	$ 649.66	$ -	0.00	$ 649.66	-	-	0	-	-
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 377.97	$ 369.10	$ 750.56	$ -	0.00	$ 750.56	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 274.00	$ 443.12	$ 737.82	$ -	0.00	$ 737.82	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 282.86	$ 341.72	$ 648.95	$ 13.16	1.97	$ 649.99	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 245.33	$ 399.52	$ 669.23	$ 13.16	1.97	$ 670.27	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 42.63	$ 57.83	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 206.00	$ 351.86	$ 605.84	$ 46.99	7.05	$ 609.55	-	-	0	-	-
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 280.60	$ 295.07	$ 579.17	$ -	0.00	$ 579.17	Best	Best	0	$ -	0.00%
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 308.97	$ 328.54	$ 641.00	$ -	0.00	$ 641.00	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 372.60	$ 353.89	$ 729.99	$ -	0.00	$ 729.99	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 60.66	$ 75.86	15%	$ 0.02	1.00	$ 9.10	$ 5.04	$ 264.67	$ 441.09	$ 767.48	$ 66.88	10.03	$ 772.76	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 27.38	$ 42.58	15%	$ 0.02	1.00	$ 4.11	$ 2.35	$ 301.33	$ 504.97	$ 842.43	$ 30.19	4.53	$ 844.82	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94		15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 315.33	$ 525.25	$ 837.82	$ 13.16	1.97	$ 866.00	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 445.43	$ 444.13	$ 893.07	$ -	0.00	$ 893.07	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		15%	$ 0.02	1.15	$ -	$ -	$ 370.30	$ 389.38	$ 759.68	$ -	0.00	$ 759.68	Best	Best	0	$ -	0.00%
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 335.33	$ 551.62	$ 907.65	$ -	0.00	$ 907.65	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 73.82	$ 89.02	15%	$ 0.02	1.00	$ 11.07	$ 6.20	$ 294.67	$ 496.86	$ 863.27	$ 81.39	12.21	$ 869.71	Best	Best	0	$ 6.43	0.75%
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 350.67	$ 548.57	$ 923.62	$ 13.16	1.97	$ 924.66	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 433.17	$ 447.17	$ 880.34	$ -	0.00	$ 880.34	-	-	0	-	-
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 372.00	$ 577.98	$ 970.68	$ -	0.00	$ 970.68	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 380.00	$ 592.18	$ 992.88	$ -	0.00	$ 992.88	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 77.86	$ 93.06	15%	$ 0.02	1.00	$ 11.68	$ 6.20	$ 354.00	$ 594.20	$ 1,023.39	$ 85.84	12.88	$ 1,030.17	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 31.25	$ 60.45	15%	$ 0.02	1.00	$ 4.69	$ 2.45	$ 394.00	$ 625.64	$ 1,072.95	$ 34.45	5.17	$ 1,075.67	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 59.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 402.00	$ 642.88	$ 1,101.25	$ 13.16	1.97	$ 1,102.29	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.50	15%	$ 0.02	1.00	$ -	$ -	$ 377.33	$ 617.53	$ 998.36	$ -	0.00	$ 998.36	Best	Best	0	$ -	0.00%
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 52.70	15%	$ 0.02	1.00	$ -	$ -	$ 433.33	$ 678.37	$ 1,164.40	$ -	0.00	$ 1,164.40	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 194.64	$ 235.25	$ 445.07	$ 13.16	1.97	$ 446.11	-	Best	1	$ 2.29	0.51%
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 41.15	$ 47.15	15%	$ 0.02	1.00	$ 6.17	$ 3.33	$ 152.67	$ 253.50	$ 443.82	$ 45.37	6.81	$ 447.41	Best	-	1	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 188.00	$ 280.88	$ 484.06	$ 13.16	1.97	$ 485.10	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 180.67	$ 288.99	$ 484.84	$ 13.16	1.97	$ 485.88	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 248.40	$ 245.39	$ 493.79	$ -	0.00	$ 493.79	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 256.07	$ 241.33	$ 497.40	$ -	0.00	$ 497.40	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 233.07	$ 239.30	$ 472.37	$ -	0.00	$ 472.37	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 209.33	$ 330.56	$ 555.15	$ -	0.00	$ 555.15	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 188.34	$ 221.05	$ 424.57	$ 13.16	1.97	$ 425.61	-	-	0	-	-
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 42.63	$ 48.63	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 140.67	$ 232.21	$ 411.65	$ 46.99	7.05	$ 415.37	Best	Best	0	$ 3.71	0.90%
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 184.00	$ 283.92	$ 483.10	$ 13.16	1.97	$ 484.14	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 176.67	$ 292.03	$ 483.88	$ 13.16	1.97	$ 484.92	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 242.27	$ 231.19	$ 473.46	$ -	0.00	$ 473.46	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 249.93	$ 227.14	$ 477.07	$ -	0.00	$ 477.07	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 268.33	$ 288.99	$ 557.32	$ -	0.00	$ 557.32	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 205.33	$ 333.61	$ 554.19	$ -	0.00	$ 554.19	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 288.56	$ 323.47	$ 627.21	$ 13.16	1.97	$ 628.25	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 58.07	$ 64.07	15%	$ 0.02	1.00	$ 8.71	$ 4.83	$ 193.33	$ 319.41	$ 563.27	$ 64.02	9.60	$ 568.33	Best	Best	0	$ 5.06	0.90%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 242.67	$ 400.53	$ 658.38	$ 13.16	1.97	$ 659.42	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 25.86	$ 31.86	15%	$ 0.02	1.00	$ 3.88	$ 2.22	$ 228.67	$ 379.24	$ 633.66	$ 28.51	4.28	$ 635.92	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 333.50	$ 322.45	$ 655.95	$ -	0.00	$ 655.95	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 340.40	$ 319.41	$ 659.81	$ -	0.00	$ 659.81	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 268.67	$ 438.05	$ 721.96	$ -	0.00	$ 721.96	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 43.13	$ 49.13	15%	$ 0.02	1.15	$ 6.47	$ 3.72	$ 282.22	$ 374.17	$ 695.33	$ 47.55	7.13	$ 699.09	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 73.82	$ 79.82	15%	$ 0.02	1.00	$ 11.07	$ 6.20	$ 225.33	$ 376.19	$ 664.07	$ 81.39	12.21	$ 670.51	Best	Best	0	$ 6.43	0.97%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 43.13	$ 49.13	15%	$ 0.02	1.00	$ 6.47	$ -	$ 266.67	$ 429.94	$ 739.27	$ 47.55	7.13	$ 743.02	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.00	15%	$ 0.02	1.00	$ -	$ -	$ 326.67	$ 430.95	$ 763.62	$ -	0.00	$ 763.62	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 417.83	$ 382.28	$ 800.11	$ -	0.00	$ 800.11	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 398.67	$ 377.21	$ 775.87	$ -	0.00	$ 775.87	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 300.00	$ 464.41	$ 779.66	$ -	0.00	$ 779.66	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 77.86	$ 83.86	15%	$ 0.02	1.00	$ 11.68	$ 6.20	$ 292.67	$ 477.59	$ 836.24	$ 85.84	12.88	$ 843.03	Best	Best	0	$ 6.78	0.81%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 31.25	$ 51.25	15%	$ 0.02	1.00	$ 4.69	$ 2.45	$ 324.67	$ 501.93	$ 870.71	$ 34.45	5.17	$ 873.43	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 42.63	$ 56.63	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 322.67	$ 497.87	$ 867.32	$ 46.99	7.05	$ 871.03	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	15%	$ 0.02	1.15	$ -	$ -	$ 458.47	$ 480.64	$ 971.10	$ -	0.00	$ 971.10	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.98	$ 53.98	15%	$ 0.02	1.00	$ 2.40	$ 0.97	$ 327.33	$ 524.24	$ 902.18	$ 17.62	2.64	$ 903.58	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 4.04	$ 57.29	15%	$ 0.02	1.00	$ 0.61	$ -	$ 354.00	$ 561.76	$ 972.44	$ 4.45	0.67	$ 972.79	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 28.04	$ 60.37	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 120.00	$ 180.49	$ 354.48	$ 30.92	4.64	$ 356.93	Best	Best	0	$ 2.44	0.69%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 4.04	$ 36.37	15%	$ 0.02	1.15	$ 0.61	$ -	$ 227.70	$ 180.49	$ 443.96	$ 4.45	0.67	$ 444.31	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 49.14	$ 81.47	15%	$ 0.02	1.00	$ 7.37	$ 2.18	$ 119.33	$ 185.56	$ 376.82	$ 54.18	8.13	$ 381.10	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 7.60	$ 55.18	15%	$ 0.02	1.15	$ 1.14	$ -	$ 195.50	$ 189.62	$ 439.16	$ 8.38	1.26	$ 439.82	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 28.04	$ 160.37	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 122.67	$ 180.49	$ 457.15	$ 30.92	4.64	$ 459.59	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 59.81	$ 92.14	15%	$ 0.02	1.15	$ 8.97	$ -	$ 222.33	$ 181.51	$ 487.01	$ 79.63	11.94	$ 503.85	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 83.82	$ 116.15	15%	$ 0.02	1.00	$ 12.57	$ 2.18	$ 118.67	$ 185.56	$ 405.63	$ 106.09	15.91	$ 424.56	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 21.34	$ 68.92	15%	$ 0.02	1.00	$ 3.20	$ 1.87	$ 122.00	$ 190.63	$ 376.48	$ 23.53	3.53	$ 378.33	Best	Best	0	$ 1.86	0.49%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 28.04	$ 28.04	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 110.00	$ 163.25	$ 294.91	$ 30.92	4.64	$ 297.36	Best	Best	0	$ 2.44	0.83%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	15%	$ 0.02	1.00	$ -	$ -	$ 196.00	$ 275.81	$ 471.81	$ -	0.00	$ 471.81	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 61.88	$ 61.88	15%	$ 0.02	1.00	$ 9.28	$ 5.44	$ 168.00	$ 295.07	$ 510.23	$ 68.22	10.23	$ 515.62	Best	Best	0	$ 5.39	1.06%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	15%	$ 0.02	1.00	$ -	$ 0.21	$ 216.00	$ 340.70	$ 556.49	$ -	0.00	$ 556.49	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 266.80	$ 281.89	$ 548.69	$ -	0.00	$ 548.69	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 25.30	$ 25.30	15%	$ 0.02	1.00	$ 3.80	$ 1.94	$ 102.00	$ 150.07	$ 271.64	$ 27.89	4.18	$ 273.84	Best	Best	0	$ 2.20	0.81%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 1.93	$ 1.93	15%	$ 0.02	1.00	$ 0.29	$ 0.17	$ 4,039.33	$ 158.18	$ 4,198.99	$ 2.13	0.32	$ 4,199.16	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 200.00	$ 315.35	$ 537.85	$ -	0.00	$ 537.85	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 72.80	$ 72.80	15%	$ 0.02	1.00	$ 10.92	$ 6.12	$ 219.33	$ 375.18	$ 650.27	$ 80.27	12.04	$ 656.62	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 13.92	$ 36.42	15%	$ 0.02	1.00	$ 2.09	$ 1.23	$ 212.67	$ 339.69	$ 585.46	$ 15.35	2.30	$ 586.67	Best	Best	0	$ 1.21	0.21%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 217.33	$ 359.97	$ 599.80	$ -	0.00	$ 599.80	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 88.55	$ 88.55	15%	$ 0.02	1.00	$ 13.28	$ 7.51	$ 257.33	$ 440.08	$ 765.17	$ 97.63	14.64	$ 772.89	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 29.67	$ 52.17	15%	$ 0.02	1.00	$ 4.45	$ 2.62	$ 261.33	$ 405.60	$ 712.04	$ 32.71	4.91	$ 714.62	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 252.00	$ 385.32	$ 659.82	$ -	0.00	$ 659.82	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 24.59	$ 24.59	15%	$ 0.02	1.00	$ 3.69	$ 2.49	$ 103.33	$ 164.27	$ 286.01	$ 27.11	4.07	$ 288.16	Best	Best	0	$ 2.14	0.75%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	15%	$ 0.02	1.00	$ -	$ -	$ 147.33	$ 209.90	$ 357.23	$ -	0.00	$ 357.23	-	-	0	-	-
Rochester	Erie	US 20

Value of Time $/h = 50

Class 5H Vehicles Paying with a NY E-ZPass

Cost/h	VOT = >>	$ 50.00
Cost/mile		$ 1.01

Origin	Destination	Route	Time hours	Time minutes	Distance (Mi)	Additional Route Detail: NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	Toll Rates: NYSTA Toll (Total)	Toll Rates: Total Trip Toll	Impact Factors: Volume Discount	Impact Factors: Tax Credit/mile	Impact Factors: Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	Impacts on Drivers: New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Value of Time $/h = 50: Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 319.17	$ 355.91	$ 699.46	$ 13.16	1.97	$ 700.50	Best	Best	0	$ 1.04	0.15%
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 41.15	$ 56.35	15%	$ 0.02	1.00	$ 6.17	$ 3.33	$ 280.83	$ 373.15	$ 700.84	$ 45.37	6.81	$ 704.42	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 316.67	$ 396.47	$ 737.52	$ 13.16	1.97	$ 738.56	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 313.33	$ 412.70	$ 750.41	$ 13.16	1.97	$ 751.45	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 391.96	$ 332.59	$ 728.05	$ -	0.00	$ 728.05	-	-	0	-	-
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 472.46	$ 369.10	$ 845.05	$ -	0.00	$ 845.05	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 342.50	$ 443.12	$ 806.32	$ -	0.00	$ 806.32	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 353.57	$ 341.72	$ 719.67	$ 13.16	1.97	$ 720.71	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 306.67	$ 399.52	$ 730.56	$ 13.16	1.97	$ 731.60	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 42.63	$ 57.83	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 257.50	$ 351.86	$ 657.34	$ 46.99	7.05	$ 661.05	-	-	0	-	-
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 350.75	$ 295.07	$ 649.32	$ -	0.00	$ 649.32	Best	Best	0	$ -	0.00%
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 386.21	$ 328.54	$ 718.24	$ -	0.00	$ 718.24	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 465.75	$ 353.89	$ 823.14	$ -	0.00	$ 823.14	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 60.66	$ 75.86	15%	$ 0.02	1.00	$ 9.10	$ 5.04	$ 330.83	$ 441.09	$ 833.64	$ 66.88	10.03	$ 838.93	Best	Best	0	$ 5.29	0.63%
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 27.38	$ 42.58	15%	$ 0.02	1.00	$ 4.11	$ 2.35	$ 376.67	$ 504.97	$ 917.76	$ 30.19	4.53	$ 920.15	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94		15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 394.17	$ 525.25	$ 916.66	$ 13.16	1.97	$ 944.84	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 556.79	$ 444.13	$ 1,004.42	$ -	0.00	$ 1,004.42	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		15%	$ 0.02	1.15	$ -	$ -	$ 462.88	$ 389.38	$ 852.25	$ -	0.00	$ 852.25	-	-	0	-	-
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 419.17	$ 551.62	$ 991.48	$ -	0.00	$ 991.48	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 73.82	$ 89.02	15%	$ 0.02	1.00	$ 11.07	$ 6.20	$ 368.33	$ 496.86	$ 936.94	$ 81.39	12.21	$ 943.37	Best	Best	0	$ 6.43	0.69%
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 438.33	$ 548.57	$ 1,011.29	$ 13.16	1.97	$ 1,012.33	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 541.46	$ 447.17	$ 988.63	$ -	0.00	$ 988.63	-	-	0	-	-
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 465.00	$ 577.98	$ 1,063.68	$ -	0.00	$ 1,063.68	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 475.00	$ 592.18	$ 1,087.88	$ -	0.00	$ 1,087.88	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 77.86	$ 93.06	15%	$ 0.02	1.00	$ 11.68	$ 6.20	$ 442.50	$ 594.20	$ 1,111.89	$ 85.84	12.88	$ 1,118.67	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 31.25	$ 60.45	15%	$ 0.02	1.00	$ 4.69	$ 2.45	$ 492.50	$ 625.64	$ 1,171.45	$ 34.45	5.17	$ 1,174.17	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 59.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 502.50	$ 642.88	$ 1,201.75	$ 13.16	1.97	$ 1,202.79	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.50	15%	$ 0.02	1.00	$ -	$ -	$ 471.67	$ 617.53	$ 1,092.69	$ -	0.00	$ 1,092.69	Best	Best	0	$ -	0.00%
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 52.70	15%	$ 0.02	1.00	$ -	$ -	$ 541.67	$ 678.37	$ 1,272.73	$ -	0.00	$ 1,272.73	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 243.30	$ 235.25	$ 493.73	$ 13.16	1.97	$ 494.77	-	-	0	-	-
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 41.15	$ 47.15	15%	$ 0.02	1.00	$ 6.17	$ 3.33	$ 190.83	$ 253.50	$ 481.99	$ 45.37	6.81	$ 485.57	Best	Best	0	$ 3.59	0.74%
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 235.00	$ 280.88	$ 531.06	$ 13.16	1.97	$ 532.10	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 225.83	$ 288.99	$ 530.00	$ 13.16	1.97	$ 531.04	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 310.50	$ 245.39	$ 555.89	$ -	0.00	$ 555.89	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 320.08	$ 241.33	$ 561.42	$ -	0.00	$ 561.42	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 291.33	$ 239.30	$ 530.64	$ -	0.00	$ 530.64	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 261.67	$ 330.56	$ 607.48	$ -	0.00	$ 607.48	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 235.42	$ 221.05	$ 471.65	$ 13.16	1.97	$ 472.69	-	-	0	-	-
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 42.63	$ 48.63	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 175.83	$ 232.21	$ 446.82	$ 46.99	7.05	$ 450.53	Best	Best	0	$ 3.71	0.83%
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 230.00	$ 283.92	$ 529.10	$ 13.16	1.97	$ 530.14	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 220.83	$ 292.03	$ 528.04	$ 13.16	1.97	$ 529.08	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 302.83	$ 231.19	$ 534.03	$ -	0.00	$ 534.03	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 312.42	$ 227.14	$ 539.55	$ -	0.00	$ 539.55	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 335.42	$ 288.99	$ 624.41	$ -	0.00	$ 624.41	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 256.67	$ 333.61	$ 605.52	$ -	0.00	$ 605.52	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 360.70	$ 323.47	$ 699.35	$ 13.16	1.97	$ 700.39	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 58.07	$ 64.07	15%	$ 0.02	1.00	$ 8.71	$ 4.83	$ 241.67	$ 319.41	$ 611.60	$ 64.02	9.60	$ 616.66	Best	Best	0	$ 5.06	0.83%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 303.33	$ 400.53	$ 719.04	$ 13.16	1.97	$ 720.08	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 25.86	$ 31.86	15%	$ 0.02	1.00	$ 3.88	$ 2.22	$ 285.83	$ 379.24	$ 690.83	$ 28.51	4.28	$ 693.08	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 416.88	$ 322.45	$ 739.33	$ -	0.00	$ 739.33	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 425.50	$ 319.41	$ 744.91	$ -	0.00	$ 744.91	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 335.83	$ 438.05	$ 789.13	$ -	0.00	$ 789.13	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 43.13	$ 49.13	15%	$ 0.02	1.15	$ 6.47	$ 3.72	$ 352.77	$ 374.17	$ 765.88	$ 47.55	7.13	$ 769.64	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 73.82	$ 79.82	15%	$ 0.02	1.00	$ 11.07	$ 6.20	$ 281.67	$ 376.19	$ 720.41	$ 81.39	12.21	$ 726.84	Best	Best	0	$ 6.43	0.89%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 43.13	$ 49.13	15%	$ 0.02	1.00	$ 6.47	$ -	$ 333.33	$ 429.94	$ 805.93	$ 47.55	7.13	$ 809.69	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.00	15%	$ 0.02	1.00	$ -	$ -	$ 408.33	$ 430.95	$ 845.28	$ -	0.00	$ 845.28	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 522.29	$ 382.28	$ 904.57	$ -	0.00	$ 904.57	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 498.33	$ 377.21	$ 875.54	$ -	0.00	$ 875.54	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 375.00	$ 464.41	$ 854.66	$ -	0.00	$ 854.66	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 77.86	$ 83.86	15%	$ 0.02	1.00	$ 11.68	$ 6.20	$ 365.83	$ 477.59	$ 909.41	$ 85.84	12.88	$ 916.19	Best	Best	0	$ 6.78	0.75%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 31.25	$ 51.25	15%	$ 0.02	1.00	$ 4.69	$ 2.45	$ 405.83	$ 501.93	$ 951.87	$ 34.45	5.17	$ 954.59	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 42.63	$ 56.63	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 403.33	$ 497.87	$ 947.99	$ 46.99	7.05	$ 951.70	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	15%	$ 0.02	1.15	$ -	$ -	$ 573.08	$ 480.64	$ 1,085.72	$ -	0.00	$ 1,085.72	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.98	$ 53.98	15%	$ 0.02	1.00	$ 2.40	$ 0.97	$ 409.17	$ 524.24	$ 984.02	$ 17.62	2.64	$ 985.41	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 4.04	$ 57.29	15%	$ 0.02	1.00	$ 0.61	$ -	$ 442.50	$ 561.76	$ 1,060.94	$ 4.45	0.67	$ 1,061.29	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 28.04	$ 60.37	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 150.00	$ 180.49	$ 384.48	$ 30.92	4.64	$ 386.93	Best	Best	0	$ 2.44	0.64%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 4.04	$ 36.37	15%	$ 0.02	1.15	$ 0.61	$ -	$ 284.63	$ 180.49	$ 500.88	$ 4.45	0.67	$ 501.23	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 49.14	$ 81.47	15%	$ 0.02	1.00	$ 7.37	$ 2.18	$ 149.17	$ 185.56	$ 406.65	$ 54.18	8.13	$ 410.94	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 7.60	$ 55.18	15%	$ 0.02	1.15	$ 1.14	$ -	$ 244.38	$ 189.62	$ 488.03	$ 8.38	1.26	$ 488.70	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 28.04	$ 160.37	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 153.33	$ 180.49	$ 487.82	$ 30.92	4.64	$ 490.26	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 59.81	$ 92.14	15%	$ 0.02	1.15	$ 8.97	$ -	$ 277.92	$ 181.51	$ 542.59	$ 79.63	11.94	$ 559.44	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 83.82	$ 116.15	15%	$ 0.02	1.00	$ 12.57	$ 2.18	$ 148.33	$ 185.56	$ 435.29	$ 106.09	15.91	$ 454.23	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 21.34	$ 68.92	15%	$ 0.02	1.00	$ 3.20	$ 1.87	$ 152.50	$ 190.63	$ 406.98	$ 23.53	3.53	$ 408.83	Best	Best	0	$ 1.86	0.46%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 28.04	$ 28.04	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 137.50	$ 163.25	$ 322.41	$ 30.92	4.64	$ 324.86	Best	Best	0	$ 2.44	0.76%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	15%	$ 0.02	1.00	$ -	$ -	$ 245.00	$ 275.81	$ 520.81	$ -	0.00	$ 520.81	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 61.88	$ 61.88	15%	$ 0.02	1.00	$ 9.28	$ 5.44	$ 210.00	$ 295.07	$ 552.23	$ 68.22	10.23	$ 557.62	Best	Best	0	$ 5.39	0.98%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	15%	$ 0.02	1.00	$ -	$ 0.21	$ 270.00	$ 340.70	$ 610.49	$ -	0.00	$ 610.49	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 333.50	$ 281.89	$ 615.39	$ -	0.00	$ 615.39	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 25.30	$ 25.30	15%	$ 0.02	1.00	$ 3.80	$ 1.94	$ 127.50	$ 150.07	$ 297.14	$ 27.89	4.18	$ 299.34	Best	Best	0	$ 2.20	0.74%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 1.93	$ 1.93	15%	$ 0.02	1.00	$ 0.29	$ 0.17	$ 5,049.17	$ 158.18	$ 5,208.82	$ 2.13	0.32	$ 5,208.99	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 250.00	$ 315.35	$ 587.85	$ -	0.00	$ 587.85	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 72.80	$ 72.80	15%	$ 0.02	1.00	$ 10.92	$ 6.12	$ 274.17	$ 375.18	$ 705.11	$ 80.27	12.04	$ 711.45	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 13.92	$ 36.42	15%	$ 0.02	1.00	$ 2.09	$ 1.23	$ 265.83	$ 339.69	$ 638.63	$ 15.35	2.30	$ 639.84	Best	Best	0	$ 1.21	0.19%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 271.67	$ 359.97	$ 654.14	$ -	0.00	$ 654.14	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 88.55	$ 88.55	15%	$ 0.02	1.00	$ 13.28	$ 7.51	$ 321.67	$ 440.08	$ 829.50	$ 97.63	14.64	$ 837.22	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 29.67	$ 52.17	15%	$ 0.02	1.00	$ 4.45	$ 2.62	$ 326.67	$ 405.60	$ 777.37	$ 32.71	4.91	$ 779.96	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 315.00	$ 385.32	$ 722.82	$ -	0.00	$ 722.82	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 24.59	$ 24.59	15%	$ 0.02	1.00	$ 3.69	$ 2.49	$ 129.17	$ 164.27	$ 311.85	$ 27.11	4.07	$ 313.99	Best	Best	0	$ 2.14	0.69%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	15%	$ 0.02	1.00	$ -	$ -	$ 184.17	$ 209.90	$ 394.06	$ -	0.00	$

Value of Time $/h = 65

Class 5H Vehicles Paying with a NY E-ZPass

Cost/h VOT = >>	$ 65.00
Cost/mile	$ 1.01

Origin	Destination	Route	Time hours	Time minutes	Distance (Mi)	Additional Route Detail: NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	Toll Rates: NYSTA Toll (Total)	Toll Rates: Total Trip Toll	Impact Factors: Volume Discount	Impact Factors: Tax Credit/mile	Impact Factors: Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Impacts on Drivers: Best (Base)	Best (New)	Route Changes	Value of Time $/h = 65: Delta ($)	Delta %
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 414.92	$ 355.91	$ 795.21	$ 13.16	1.97	$ 796.25	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 41.15	$ 56.35	15%	$ 0.02	1.00	$ 6.17	$ 3.33	$ 365.08	$ 373.15	$ 785.09	$ 45.37	6.81	$ 788.67	Best	Best	0	$ 3.59	0.46%
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 411.67	$ 396.47	$ 832.52	$ 13.16	1.97	$ 833.56	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 407.33	$ 412.70	$ 844.41	$ 13.16	1.97	$ 845.45	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 509.55	$ 332.59	$ 845.64	$ -	0.00	$ 845.64	-	-	0	-	-
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 614.20	$ 369.10	$ 986.79	$ -	0.00	$ 986.79	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 445.25	$ 443.12	$ 909.07	$ -	0.00	$ 909.07	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 459.64	$ 341.72	$ 825.74	$ 13.16	1.97	$ 826.78	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 398.67	$ 399.52	$ 822.56	$ 13.16	1.97	$ 823.60	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 42.63	$ 57.83	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 334.75	$ 351.86	$ 734.59	$ 46.99	7.05	$ 738.30	Best	Best	0	$ 3.71	0.51%
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 455.98	$ 295.07	$ 754.55	$ -	0.00	$ 754.55	-	-	0	-	-
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 502.07	$ 328.54	$ 834.11	$ -	0.00	$ 834.11	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 605.48	$ 353.89	$ 962.86	$ -	0.00	$ 962.86	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 60.66	$ 75.86	15%	$ 0.02	1.00	$ 9.10	$ 5.04	$ 430.08	$ 441.09	$ 932.89	$ 66.88	10.03	$ 938.18	Best	Best	0	$ 5.29	0.57%
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 27.38	$ 42.58	15%	$ 0.02	1.00	$ 4.11	$ 2.35	$ 489.67	$ 504.97	$ 1,030.76	$ 30.19	4.53	$ 1,033.15	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94		15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 512.42	$ 525.25	$ 1,034.91	$ 13.16	1.97	$ 1,063.09	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 723.83	$ 444.13	$ 1,171.46	$ -	0.00	$ 1,171.46	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		15%	$ 0.02	1.15	$ -	$ -	$ 601.74	$ 389.38	$ 991.11	$ -	0.00	$ 991.11	-	-	0	-	-
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 544.92	$ 551.62	$ 1,117.23	$ -	0.00	$ 1,117.23	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 73.82	$ 89.02	15%	$ 0.02	1.00	$ 11.07	$ 6.20	$ 478.83	$ 496.86	$ 1,047.44	$ 81.39	12.21	$ 1,053.87	Best	Best	0	$ 6.43	0.61%
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 569.83	$ 548.57	$ 1,142.79	$ 13.16	1.97	$ 1,143.83	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 703.90	$ 447.17	$ 1,151.07	$ -	0.00	$ 1,151.07	-	-	0	-	-
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 604.50	$ 577.98	$ 1,203.18	$ -	0.00	$ 1,203.18	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 617.50	$ 592.18	$ 1,230.38	$ -	0.00	$ 1,230.38	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 77.86	$ 93.06	15%	$ 0.02	1.00	$ 11.68	$ 6.20	$ 575.25	$ 594.20	$ 1,244.64	$ 85.84	12.88	$ 1,251.42	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 31.25	$ 60.45	15%	$ 0.02	1.00	$ 4.69	$ 2.45	$ 640.25	$ 625.64	$ 1,319.20	$ 34.45	5.17	$ 1,321.92	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 59.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 653.25	$ 642.88	$ 1,352.50	$ 13.16	1.97	$ 1,353.54	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.50	15%	$ 0.02	1.00	$ -	$ -	$ 613.17	$ 617.53	$ 1,234.19	$ -	0.00	$ 1,234.19	Best	Best	0	$ -	0.00%
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 52.70	15%	$ 0.02	1.00	$ -	$ -	$ 704.17	$ 678.37	$ 1,435.23	$ -	0.00	$ 1,435.23	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 316.30	$ 235.25	$ 566.72	$ 13.16	1.97	$ 567.76	-	-	0	-	-
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 41.15	$ 47.15	15%	$ 0.02	1.00	$ 6.17	$ 3.33	$ 248.08	$ 253.50	$ 539.24	$ 45.37	6.81	$ 542.82	Best	Best	0	$ 3.59	0.66%
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 305.50	$ 280.88	$ 601.56	$ 13.16	1.97	$ 602.60	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 293.58	$ 288.99	$ 597.75	$ 13.16	1.97	$ 598.79	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 403.65	$ 245.39	$ 649.04	$ -	0.00	$ 649.04	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 416.11	$ 241.33	$ 657.44	$ -	0.00	$ 657.44	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 378.73	$ 239.30	$ 618.04	$ -	0.00	$ 618.04	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 340.17	$ 330.56	$ 685.98	$ -	0.00	$ 685.98	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 306.05	$ 221.05	$ 542.28	$ 13.16	1.97	$ 543.32	-	-	0	-	-
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 42.63	$ 48.63	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 228.58	$ 232.21	$ 499.57	$ 46.99	7.05	$ 503.28	Best	Best	0	$ 3.71	0.74%
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 299.00	$ 283.92	$ 598.10	$ 13.16	1.97	$ 599.14	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 287.08	$ 292.03	$ 594.29	$ 13.16	1.97	$ 595.33	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 393.68	$ 231.19	$ 624.88	$ -	0.00	$ 624.88	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 406.14	$ 227.14	$ 633.28	$ -	0.00	$ 633.28	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 436.04	$ 288.99	$ 725.03	$ -	0.00	$ 725.03	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 333.67	$ 333.61	$ 682.52	$ -	0.00	$ 682.52	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 468.91	$ 323.47	$ 807.56	$ 13.16	1.97	$ 808.60	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 58.07	$ 64.07	15%	$ 0.02	1.00	$ 8.71	$ 4.83	$ 314.17	$ 319.41	$ 684.10	$ 64.02	9.60	$ 689.16	Best	Best	0	$ 5.06	0.74%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 394.33	$ 400.53	$ 810.04	$ 13.16	1.97	$ 811.08	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 25.86	$ 31.86	15%	$ 0.02	1.00	$ 3.88	$ 2.22	$ 371.58	$ 379.24	$ 776.58	$ 28.51	4.28	$ 778.83	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 541.94	$ 322.45	$ 864.39	$ -	0.00	$ 864.39	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 553.15	$ 319.41	$ 872.56	$ -	0.00	$ 872.56	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 436.58	$ 438.05	$ 889.88	$ -	0.00	$ 889.88	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 43.13	$ 49.13	15%	$ 0.02	1.15	$ 6.47	$ 3.72	$ 458.60	$ 374.17	$ 871.71	$ 47.55	7.13	$ 875.47	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 73.82	$ 79.82	15%	$ 0.02	1.00	$ 11.07	$ 6.20	$ 366.17	$ 376.19	$ 804.91	$ 81.39	12.21	$ 811.34	Best	Best	0	$ 6.43	0.80%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 43.13	$ 49.13	15%	$ 0.02	1.00	$ 6.47	$ -	$ 433.33	$ 429.94	$ 905.93	$ 47.55	7.13	$ 909.69	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.00	15%	$ 0.02	1.00	$ -	$ -	$ 530.83	$ 430.95	$ 967.78	$ -	0.00	$ 967.78	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 678.98	$ 382.28	$ 1,061.26	$ -	0.00	$ 1,061.26	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 647.83	$ 377.21	$ 1,025.04	$ -	0.00	$ 1,025.04	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 487.50	$ 464.41	$ 967.16	$ -	0.00	$ 967.16	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 77.86	$ 83.86	15%	$ 0.02	1.00	$ 11.68	$ 6.20	$ 475.58	$ 477.59	$ 1,019.16	$ 85.84	12.88	$ 1,025.94	Best	Best	0	$ 6.78	0.67%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 31.25	$ 51.25	15%	$ 0.02	1.00	$ 4.69	$ 2.45	$ 527.58	$ 501.93	$ 1,073.62	$ 34.45	5.17	$ 1,076.34	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 42.63	$ 56.63	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 524.33	$ 497.87	$ 1,068.99	$ 46.99	7.05	$ 1,072.70	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	15%	$ 0.02	1.15	$ -	$ -	$ 745.01	$ 480.64	$ 1,257.64	$ -	0.00	$ 1,257.64	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.98	$ 53.98	15%	$ 0.02	1.00	$ 2.40	$ 0.97	$ 531.92	$ 524.24	$ 1,106.77	$ 17.62	2.64	$ 1,108.16	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 4.04	$ 57.29	15%	$ 0.02	1.00	$ 0.61	$ -	$ 575.25	$ 561.76	$ 1,193.69	$ 4.45	0.67	$ 1,194.04	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 28.04	$ 60.37	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 195.00	$ 180.49	$ 429.48	$ 30.92	4.64	$ 431.93	Best	Best	0	$ 2.44	0.57%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 4.04	$ 36.37	15%	$ 0.02	1.15	$ 0.61	$ -	$ 370.01	$ 180.49	$ 586.27	$ 4.45	0.67	$ 586.62	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 49.14	$ 81.47	15%	$ 0.02	1.00	$ 7.37	$ 2.18	$ 193.92	$ 185.56	$ 451.40	$ 54.18	8.13	$ 455.69	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 7.60	$ 55.18	15%	$ 0.02	1.15	$ 1.14	$ -	$ 317.69	$ 189.62	$ 561.35	$ 8.38	1.26	$ 562.01	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 28.04	$ 160.37	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 199.33	$ 180.49	$ 533.82	$ 30.92	4.64	$ 536.26	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 59.81	$ 92.14	15%	$ 0.02	1.15	$ 8.97	$ -	$ 361.29	$ 181.51	$ 625.97	$ 79.63	11.94	$ 642.81	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 83.82	$ 116.15	15%	$ 0.02	1.00	$ 12.57	$ 2.18	$ 192.83	$ 185.56	$ 479.79	$ 106.09	15.91	$ 498.73	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 21.34	$ 68.92	15%	$ 0.02	1.00	$ 3.20	$ 1.87	$ 198.25	$ 190.63	$ 452.73	$ 23.53	3.53	$ 454.58	Best	Best	0	$ 1.86	0.41%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 28.04	$ 28.04	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 178.75	$ 163.25	$ 363.66	$ 30.92	4.64	$ 366.11	Best	Best	0	$ 2.44	0.67%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	15%	$ 0.02	1.00	$ -	$ -	$ 318.50	$ 275.81	$ 594.31	$ -	0.00	$ 594.31	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 61.88	$ 61.88	15%	$ 0.02	1.00	$ 9.28	$ 5.44	$ 273.00	$ 295.07	$ 615.23	$ 68.22	10.23	$ 620.62	Best	Best	0	$ 5.39	0.88%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	15%	$ 0.02	1.00	$ -	$ 0.21	$ 351.00	$ 340.70	$ 691.49	$ -	0.00	$ 691.49	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 433.55	$ 281.89	$ 715.44	$ -	0.00	$ 715.44	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 25.30	$ 25.30	15%	$ 0.02	1.00	$ 3.80	$ 1.94	$ 165.75	$ 150.07	$ 335.39	$ 27.89	4.18	$ 337.59	Best	Best	0	$ 2.20	0.66%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 1.93	$ 1.93	15%	$ 0.02	1.00	$ 0.29	$ 0.17	$ 6,563.92	$ 158.18	$ 6,723.57	$ 2.13	0.32	$ 6,723.74	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 325.00	$ 315.35	$ 662.85	$ -	0.00	$ 662.85	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 72.80	$ 72.80	15%	$ 0.02	1.00	$ 10.92	$ 6.12	$ 356.42	$ 375.18	$ 787.36	$ 80.27	12.04	$ 793.70	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 13.92	$ 36.42	15%	$ 0.02	1.00	$ 2.09	$ 1.23	$ 345.58	$ 339.69	$ 718.38	$ 15.35	2.30	$ 719.59	Best	Best	0	$ 1.21	0.17%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 353.17	$ 359.97	$ 735.64	$ -	0.00	$ 735.64	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 88.55	$ 88.55	15%	$ 0.02	1.00	$ 13.28	$ 7.51	$ 418.17	$ 440.08	$ 926.00	$ 97.63	14.64	$ 933.72	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 29.67	$ 52.17	15%	$ 0.02	1.00	$ 4.45	$ 2.62	$ 424.67	$ 405.60	$ 875.37	$ 32.71	4.91	$ 877.96	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 409.50	$ 385.32	$ 817.32	$ -	0.00	$ 817.32	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 24.59	$ 24.59	15%	$ 0.02	1.00	$ 3.69	$ 2.49	$ 167.92	$ 164.27	$ 350.60	$ 27.11	4.07	$ 352.74	Best	Best	0	$ 2.14	0.61%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	15%	$ 0.02	1.00

Value of Time $/h = 75

Class 5H Vehicles Paying with a NY E-ZPass

						Additional Route Detail				Toll Rates		Impact Factors												Cost/h VOT = >>	$ 75.00	Impacts on Drivers					
																								Cost/mile	$ 1.01	Value of Time $/h = 75					
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
			hours	minutes																												
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 478.75	$ 355.91	$ 859.04	$ 13.16	1.97	$ 860.08	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 41.15	$ 56.35	15%	$ 0.02	1.00	$ 6.17	$ 3.33	$ 421.25	$ 373.15	$ 841.26	$ 45.37	6.81	$ 844.84	Best	Best	0	$ 3.59	0.43%
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 475.00	$ 396.47	$ 895.85	$ 13.16	1.97	$ 896.89	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 470.00	$ 412.70	$ 907.08	$ 13.16	1.97	$ 908.12	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 587.94	$ 332.59	$ 924.03	$ -	0.00	$ 924.03	-	-	0	-	-
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 708.69	$ 369.10	$ 1,081.28	$ -	0.00	$ 1,081.28	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 513.75	$ 443.12	$ 977.57	$ -	0.00	$ 977.57	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 530.35	$ 341.72	$ 896.45	$ 13.16	1.97	$ 897.49	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 460.00	$ 399.52	$ 883.89	$ 13.16	1.97	$ 884.93	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 42.63	$ 57.83	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 386.25	$ 351.86	$ 786.09	$ 46.99	7.05	$ 789.80	Best	Best	0	$ 3.71	0.47%
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 526.13	$ 295.07	$ 824.70	$ -	0.00	$ 824.70	-	-	0	-	-
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 579.31	$ 328.54	$ 911.35	$ -	0.00	$ 911.35	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 698.63	$ 353.89	$ 1,056.01	$ -	0.00	$ 1,056.01	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 60.66	$ 75.86	15%	$ 0.02	1.00	$ 9.10	$ 5.04	$ 496.25	$ 441.09	$ 999.06	$ 66.88	10.03	$ 1,004.35	Best	Best	0	$ 5.29	0.53%
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 27.38	$ 42.58	15%	$ 0.02	1.00	$ 4.11	$ 2.35	$ 565.00	$ 504.97	$ 1,106.10	$ 30.19	4.53	$ 1,108.48	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94		15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 591.25	$ 525.25	$ 1,113.74	$ 13.16	1.97	$ 1,141.92	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 835.19	$ 444.13	$ 1,282.82	$ -	0.00	$ 1,282.82	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		15%	$ 0.02	1.15	$ -	$ -	$ 694.31	$ 389.38	$ 1,083.69	$ -	0.00	$ 1,083.69	-	-	0	-	-
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 628.75	$ 551.62	$ 1,201.07	$ -	0.00	$ 1,201.07	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 73.82	$ 89.02	15%	$ 0.02	1.00	$ 11.07	$ 6.20	$ 552.50	$ 496.86	$ 1,121.11	$ 81.39	12.21	$ 1,127.54	Best	Best	0	$ 6.43	0.57%
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 657.50	$ 548.57	$ 1,230.45	$ 13.16	1.97	$ 1,231.49	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 812.19	$ 447.17	$ 1,259.36	$ -	0.00	$ 1,259.36	-	-	0	-	-
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 697.50	$ 577.98	$ 1,296.18	$ -	0.00	$ 1,296.18	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 712.50	$ 592.18	$ 1,325.38	$ -	0.00	$ 1,325.38	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 77.86	$ 93.06	15%	$ 0.02	1.00	$ 11.68	$ 6.20	$ 663.75	$ 594.20	$ 1,333.14	$ 85.84	12.88	$ 1,339.92	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 31.25	$ 60.45	15%	$ 0.02	1.00	$ 4.69	$ 2.45	$ 738.75	$ 625.64	$ 1,417.70	$ 34.45	5.17	$ 1,420.42	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 59.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 753.75	$ 642.88	$ 1,453.00	$ 13.16	1.97	$ 1,454.04	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.50	15%	$ 0.02	1.00	$ -	$ -	$ 707.50	$ 617.53	$ 1,328.53	$ -	0.00	$ 1,328.53	Best	Best	0	$ -	0.00%
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 52.70	15%	$ 0.02	1.00	$ -	$ -	$ 812.50	$ 678.37	$ 1,543.57	$ -	0.00	$ 1,543.57	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 364.96	$ 235.25	$ 615.38	$ 13.16	1.97	$ 616.42	-	-	0	-	-
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 41.15	$ 47.15	15%	$ 0.02	1.00	$ 6.17	$ 3.33	$ 286.25	$ 253.50	$ 577.40	$ 45.37	6.81	$ 580.99	Best	Best	0	$ 3.59	0.62%
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 352.50	$ 280.88	$ 648.56	$ 13.16	1.97	$ 649.60	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 338.75	$ 288.99	$ 642.92	$ 13.16	1.97	$ 643.96	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 465.75	$ 245.39	$ 711.14	$ -	0.00	$ 711.14	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 480.13	$ 241.33	$ 721.46	$ -	0.00	$ 721.46	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 437.00	$ 239.30	$ 676.30	$ -	0.00	$ 676.30	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 392.50	$ 330.56	$ 738.31	$ -	0.00	$ 738.31	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 353.13	$ 221.05	$ 589.36	$ 13.16	1.97	$ 590.40	-	-	0	-	-
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 42.63	$ 48.63	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 263.75	$ 232.21	$ 534.74	$ 46.99	7.05	$ 538.45	Best	Best	0	$ 3.71	0.69%
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 345.00	$ 283.92	$ 644.10	$ 13.16	1.97	$ 645.14	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 331.25	$ 292.03	$ 638.46	$ 13.16	1.97	$ 639.50	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 454.25	$ 231.19	$ 685.44	$ -	0.00	$ 685.44	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 468.63	$ 227.14	$ 695.76	$ -	0.00	$ 695.76	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 503.13	$ 288.99	$ 792.12	$ -	0.00	$ 792.12	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 385.00	$ 333.61	$ 733.86	$ -	0.00	$ 733.86	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 541.05	$ 323.47	$ 879.70	$ 13.16	1.97	$ 880.74	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 58.07	$ 64.07	15%	$ 0.02	1.00	$ 8.71	$ 4.83	$ 362.50	$ 319.41	$ 732.44	$ 64.02	9.60	$ 737.50	Best	Best	0	$ 5.06	0.69%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 455.00	$ 400.53	$ 870.71	$ 13.16	1.97	$ 871.75	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 25.86	$ 31.86	15%	$ 0.02	1.00	$ 3.88	$ 2.22	$ 428.75	$ 379.24	$ 833.75	$ 28.51	4.28	$ 836.00	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 625.31	$ 322.45	$ 947.76	$ -	0.00	$ 947.76	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 638.25	$ 319.41	$ 957.66	$ -	0.00	$ 957.66	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 503.75	$ 438.05	$ 957.05	$ -	0.00	$ 957.05	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 43.13	$ 49.13	15%	$ 0.02	1.15	$ 6.47	$ 3.72	$ 529.16	$ 374.17	$ 942.27	$ 47.55	7.13	$ 946.03	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 73.82	$ 79.82	15%	$ 0.02	1.00	$ 11.07	$ 6.20	$ 422.50	$ 376.19	$ 861.24	$ 81.39	12.21	$ 867.67	Best	Best	0	$ 6.43	0.75%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 43.13	$ 49.13	15%	$ 0.02	1.00	$ 6.47	$ -	$ 500.00	$ 429.94	$ 972.60	$ 47.55	7.13	$ 976.36	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.00	15%	$ 0.02	1.00	$ -	$ -	$ 612.50	$ 430.95	$ 1,049.45	$ -	0.00	$ 1,049.45	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 783.44	$ 382.28	$ 1,165.72	$ -	0.00	$ 1,165.72	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 747.50	$ 377.21	$ 1,124.71	$ -	0.00	$ 1,124.71	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 562.50	$ 464.41	$ 1,042.16	$ -	0.00	$ 1,042.16	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 77.86	$ 83.86	15%	$ 0.02	1.00	$ 11.68	$ 6.20	$ 548.75	$ 477.59	$ 1,092.33	$ 85.84	12.88	$ 1,099.11	Best	Best	0	$ 6.78	0.62%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 31.25	$ 51.25	15%	$ 0.02	1.00	$ 4.69	$ 2.45	$ 608.75	$ 501.93	$ 1,154.79	$ 34.45	5.17	$ 1,157.51	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 42.63	$ 56.63	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 605.00	$ 497.87	$ 1,149.65	$ 46.99	7.05	$ 1,153.37	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	15%	$ 0.02	1.15	$ -	$ -	$ 859.63	$ 480.64	$ 1,372.26	$ -	0.00	$ 1,372.26	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.98	$ 53.98	15%	$ 0.02	1.00	$ 2.40	$ 0.97	$ 613.75	$ 524.24	$ 1,188.60	$ 17.62	2.64	$ 1,189.99	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 4.04	$ 57.29	15%	$ 0.02	1.00	$ 0.61	$ -	$ 663.75	$ 561.76	$ 1,282.19	$ 4.45	0.67	$ 1,282.54	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 28.04	$ 60.37	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 225.00	$ 180.49	$ 459.48	$ 30.92	4.64	$ 461.93	Best	Best	0	$ 2.44	0.53%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 4.04	$ 36.37	15%	$ 0.02	1.15	$ 0.61	$ -	$ 426.94	$ 180.49	$ 643.19	$ 4.45	0.67	$ 643.55	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 49.14	$ 81.47	15%	$ 0.02	1.00	$ 7.37	$ 2.18	$ 223.75	$ 185.56	$ 481.24	$ 54.18	8.13	$ 485.52	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 7.60	$ 55.18	15%	$ 0.02	1.15	$ 1.14	$ -	$ 366.56	$ 189.62	$ 610.22	$ 8.38	1.26	$ 610.88	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 28.04	$ 160.37	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 230.00	$ 180.49	$ 564.48	$ 30.92	4.64	$ 566.93	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 59.81	$ 92.14	15%	$ 0.02	1.15	$ 8.97	$ -	$ 416.88	$ 181.51	$ 681.55	$ 79.63	11.94	$ 698.39	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 83.82	$ 116.15	15%	$ 0.02	1.00	$ 12.57	$ 2.18	$ 222.50	$ 185.56	$ 509.46	$ 106.09	15.91	$ 528.39	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 21.34	$ 68.92	15%	$ 0.02	1.00	$ 3.20	$ 1.87	$ 228.75	$ 190.63	$ 483.23	$ 23.53	3.53	$ 485.08	Best	Best	0	$ 1.86	0.38%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 28.04	$ 28.04	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 206.25	$ 163.25	$ 391.16	$ 30.92	4.64	$ 393.61	Best	Best	0	$ 2.44	0.62%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	15%	$ 0.02	1.00	$ -	$ -	$ 367.50	$ 275.81	$ 643.31	$ -	0.00	$ 643.31	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 61.88	$ 61.88	15%	$ 0.02	1.00	$ 9.28	$ 5.44	$ 315.00	$ 295.07	$ 657.23	$ 68.22	10.23	$ 662.62	Best	Best	0	$ 5.39	0.82%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	15%	$ 0.02	1.00	$ -	$ 0.21	$ 405.00	$ 340.70	$ 745.49	$ -	0.00	$ 745.49	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 500.25	$ 281.89	$ 782.14	$ -	0.00	$ 782.14	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 25.30	$ 25.30	15%	$ 0.02	1.00	$ 3.80	$ 1.94	$ 191.25	$ 150.07	$ 360.89	$ 27.89	4.18	$ 363.09	Best	Best	0	$ 2.20	0.61%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 1.93	$ 1.93	15%	$ 0.02	1.00	$ 0.29	$ 0.17	$ 7,573.75	$ 158.18	$ 7,733.41	$ 2.13	0.32	$ 7,733.57	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 375.00	$ 315.35	$ 712.85	$ -	0.00	$ 712.85	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 72.80	$ 72.80	15%	$ 0.02	1.00	$ 10.92	$ 6.12	$ 411.25	$ 375.18	$ 842.19	$ 80.27	12.04	$ 848.53	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 13.92	$ 36.42	15%	$ 0.02	1.00	$ 2.09	$ 1.23	$ 398.75	$ 339.69	$ 771.54	$ 15.35	2.30	$ 772.76	Best	Best	0	$ 1.21	0.16%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 407.50	$ 359.97	$ 789.97	$ -	0.00	$ 789.97	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 88.55	$ 88.55	15%	$ 0.02	1.00	$ 13.28	$ 7.51	$ 482.50	$ 440.08	$ 990.34	$ 97.63	14.64	$ 998.05	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 29.67	$ 52.17	15%	$ 0.02	1.00	$ 4.45	$ 2.62	$ 490.00	$ 405.60	$ 940.70	$ 32.71	4.91	$ 943.29	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 472.50	$ 385.32	$ 880.32	$ -	0.00	$ 880.32	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 24.59	$ 24.59	15%	$ 0.02	1.00	$ 3.69	$ 2.49	$ 193.75	$ 164.27

Value of Time $/h = 85

Class 5H Vehicles Paying with a NY E-ZPass

						Additional Route Detail				Toll Rates		Impact Factors												Cost/h VOT = >>	$ 85.00	Impacts on Drivers				
																								Cost/mile	$ 1.01	Value of Time $/h = 85				
Origin	Destination	Route	Time hours	Time minutes	Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 542.58	$ 355.91	$ 922.88	$ 13.16	1.97	$ 923.92	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 41.15	$ 56.35	15%	$ 0.02	1.00	$ 6.17	$ 3.33	$ 477.42	$ 373.15	$ 897.42	$ 45.37	6.81	$ 901.01	Best	Best	0	$ 3.59	0.40%
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 538.33	$ 396.47	$ 959.19	$ 13.16	1.97	$ 960.23	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 532.67	$ 412.70	$ 969.74	$ 13.16	1.97	$ 970.78	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 666.33	$ 332.59	$ 1,002.42	$ -	0.00	$ 1,002.42	-	-	0	-	-
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 803.18	$ 369.10	$ 1,175.78	$ -	0.00	$ 1,175.78	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 582.25	$ 443.12	$ 1,046.07	$ -	0.00	$ 1,046.07	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 601.07	$ 341.72	$ 967.16	$ 13.16	1.97	$ 968.20	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 521.33	$ 399.52	$ 945.23	$ 13.16	1.97	$ 946.27	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 42.63	$ 57.83	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 437.75	$ 351.86	$ 837.59	$ 46.99	7.05	$ 841.30	Best	Best	0	$ 3.71	0.44%
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 596.28	$ 295.07	$ 894.85	$ -	0.00	$ 894.85	-	-	0	-	-
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 656.55	$ 328.54	$ 988.59	$ -	0.00	$ 988.59	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 791.78	$ 353.89	$ 1,149.16	$ -	0.00	$ 1,149.16	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 60.66	$ 75.86	15%	$ 0.02	1.00	$ 9.10	$ 5.04	$ 562.42	$ 441.09	$ 1,065.23	$ 66.88	10.03	$ 1,070.51	Best	Best	0	$ 5.29	0.50%
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 27.38	$ 42.58	15%	$ 0.02	1.00	$ 4.11	$ 2.35	$ 640.33	$ 504.97	$ 1,181.43	$ 30.19	4.53	$ 1,183.82	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94		15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 670.08	$ 525.25	$ 1,192.57	$ 13.16	1.97	$ 1,220.75	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.50	15%	$ 0.02	1.15	$ -	$ -	$ 946.55	$ 444.13	$ 1,394.18	$ -	0.00	$ 1,394.18	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		15%	$ 0.02	1.15	$ -	$ -	$ 786.89	$ 389.38	$ 1,176.26	$ -	0.00	$ 1,176.26	-	-	0	-	-
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 712.58	$ 551.62	$ 1,284.90	$ -	0.00	$ 1,284.90	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 73.82	$ 89.02	15%	$ 0.02	1.00	$ 11.07	$ 6.20	$ 626.17	$ 496.86	$ 1,194.77	$ 81.39	12.21	$ 1,201.21	Best	Best	0	$ 6.43	0.54%
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 27.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 745.17	$ 548.57	$ 1,318.12	$ 13.16	1.97	$ 1,319.16	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 920.48	$ 447.17	$ 1,367.65	$ -	0.00	$ 1,367.65	-	-	0	-	-
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 790.50	$ 577.98	$ 1,389.18	$ -	0.00	$ 1,389.18	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.70	15%	$ 0.02	1.00	$ -	$ -	$ 807.50	$ 592.18	$ 1,420.38	$ -	0.00	$ 1,420.38	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 77.86	$ 93.06	15%	$ 0.02	1.00	$ 11.68	$ 6.20	$ 752.25	$ 594.20	$ 1,421.64	$ 85.84	12.88	$ 1,428.42	Best	-	1	-	-
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 31.25	$ 60.45	15%	$ 0.02	1.00	$ 4.69	$ 2.45	$ 837.25	$ 625.64	$ 1,516.20	$ 34.45	5.17	$ 1,518.92	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 11.94	$ 59.14	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 854.25	$ 642.88	$ 1,553.50	$ 13.16	1.97	$ 1,554.54	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.50	15%	$ 0.02	1.00	$ -	$ -	$ 801.83	$ 617.53	$ 1,422.86	$ -	0.00	$ 1,422.86	-	Best	1	$ 1.22	0.09%
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 52.70	15%	$ 0.02	1.00	$ -	$ -	$ 920.83	$ 678.37	$ 1,651.90	$ -	0.00	$ 1,651.90	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 413.62	$ 235.25	$ 664.04	$ 13.16	1.97	$ 665.08	-	-	0	-	-
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 41.15	$ 47.15	15%	$ 0.02	1.00	$ 6.17	$ 3.33	$ 324.42	$ 253.50	$ 615.57	$ 45.37	6.81	$ 619.16	Best	Best	0	$ 3.59	0.58%
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 399.50	$ 280.88	$ 695.56	$ 13.16	1.97	$ 696.60	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 383.92	$ 288.99	$ 688.09	$ 13.16	1.97	$ 689.13	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 527.85	$ 245.39	$ 773.24	$ -	0.00	$ 773.24	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 544.14	$ 241.33	$ 785.47	$ -	0.00	$ 785.47	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 495.27	$ 239.30	$ 734.57	$ -	0.00	$ 734.57	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 444.83	$ 330.56	$ 790.65	$ -	0.00	$ 790.65	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 400.22	$ 221.05	$ 636.45	$ 13.16	1.97	$ 637.49	-	-	0	-	-
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 42.63	$ 48.63	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 298.92	$ 232.21	$ 569.90	$ 46.99	7.05	$ 573.62	Best	Best	0	$ 3.71	0.65%
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 391.00	$ 283.92	$ 690.10	$ 13.16	1.97	$ 691.14	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 375.42	$ 292.03	$ 682.63	$ 13.16	1.97	$ 683.67	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 514.82	$ 231.19	$ 746.01	$ -	0.00	$ 746.01	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 531.11	$ 227.14	$ 758.24	$ -	0.00	$ 758.24	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 570.21	$ 288.99	$ 859.20	$ -	0.00	$ 859.20	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 436.33	$ 333.61	$ 785.19	$ -	0.00	$ 785.19	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.15	$ 1.79	$ 0.97	$ 613.19	$ 323.47	$ 951.84	$ 13.16	1.97	$ 952.88	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 58.07	$ 64.07	15%	$ 0.02	1.00	$ 8.71	$ 4.83	$ 410.83	$ 319.41	$ 780.77	$ 64.02	9.60	$ 785.83	Best	Best	0	$ 5.06	0.65%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 11.94	$ 17.94	15%	$ 0.02	1.00	$ 1.79	$ 0.97	$ 515.67	$ 400.53	$ 931.38	$ 13.16	1.97	$ 932.42	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 25.86	$ 31.86	15%	$ 0.02	1.00	$ 3.88	$ 2.22	$ 485.92	$ 379.24	$ 890.91	$ 28.51	4.28	$ 893.17	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 708.69	$ 322.45	$ 1,031.14	$ -	0.00	$ 1,031.14	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 723.35	$ 319.41	$ 1,042.76	$ -	0.00	$ 1,042.76	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 570.92	$ 438.05	$ 1,024.21	$ -	0.00	$ 1,024.21	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 43.13	$ 49.13	15%	$ 0.02	1.15	$ 6.47	$ 3.72	$ 599.71	$ 374.17	$ 1,012.82	$ 47.55	7.13	$ 1,016.58	-	-	0	-	-
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 73.82	$ 79.82	15%	$ 0.02	1.00	$ 11.07	$ 6.20	$ 478.83	$ 376.19	$ 917.57	$ 81.39	12.21	$ 924.01	Best	Best	0	$ 6.43	0.70%
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 43.13	$ 49.13	15%	$ 0.02	1.00	$ 6.47	$ -	$ 566.67	$ 429.94	$ 1,039.27	$ 47.55	7.13	$ 1,043.02	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.00	15%	$ 0.02	1.00	$ -	$ -	$ 694.17	$ 430.95	$ 1,131.12	$ -	0.00	$ 1,131.12	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 887.90	$ 382.28	$ 1,270.17	$ -	0.00	$ 1,270.17	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 847.17	$ 377.21	$ 1,224.37	$ -	0.00	$ 1,224.37	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 15.25	15%	$ 0.02	1.00	$ -	$ -	$ 637.50	$ 464.41	$ 1,117.16	$ -	0.00	$ 1,117.16	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 77.86	$ 83.86	15%	$ 0.02	1.00	$ 11.68	$ 6.20	$ 621.92	$ 477.59	$ 1,165.49	$ 85.84	12.88	$ 1,172.28	Best	Best	0	$ 6.78	0.58%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 31.25	$ 51.25	15%	$ 0.02	1.00	$ 4.69	$ 2.45	$ 689.92	$ 501.93	$ 1,235.96	$ 34.45	5.17	$ 1,238.68	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 42.63	$ 56.63	15%	$ 0.02	1.00	$ 6.39	$ 3.45	$ 685.67	$ 497.87	$ 1,230.32	$ 46.99	7.05	$ 1,234.03	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	15%	$ 0.02	1.15	$ -	$ -	$ 974.24	$ 480.64	$ 1,486.88	$ -	0.00	$ 1,486.88	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.98	$ 53.98	15%	$ 0.02	1.00	$ 2.40	$ 0.97	$ 695.58	$ 524.24	$ 1,270.43	$ 17.62	2.64	$ 1,271.83	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 4.04	$ 57.29	15%	$ 0.02	1.00	$ 0.61	$ -	$ 752.25	$ 561.76	$ 1,370.69	$ 4.45	0.67	$ 1,371.04	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 28.04	$ 60.37	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 255.00	$ 180.49	$ 489.48	$ 30.92	4.64	$ 491.93	Best	Best	0	$ 2.44	0.50%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 4.04	$ 36.37	15%	$ 0.02	1.15	$ 0.61	$ -	$ 483.86	$ 180.49	$ 700.12	$ 4.45	0.67	$ 700.47	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 49.14	$ 81.47	15%	$ 0.02	1.00	$ 7.37	$ 2.18	$ 253.58	$ 185.56	$ 511.07	$ 54.18	8.13	$ 515.35	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 7.60	$ 55.18	15%	$ 0.02	1.15	$ 1.14	$ -	$ 415.44	$ 189.62	$ 659.10	$ 8.38	1.26	$ 659.76	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 28.04	$ 160.37	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 260.67	$ 180.49	$ 595.15	$ 30.92	4.64	$ 597.59	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 59.81	$ 92.14	15%	$ 0.02	1.15	$ 8.97	$ -	$ 472.46	$ 181.51	$ 737.14	$ 79.63	11.94	$ 753.98	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 83.82	$ 116.15	15%	$ 0.02	1.00	$ 12.57	$ 2.18	$ 252.17	$ 185.56	$ 539.13	$ 106.09	15.91	$ 558.06	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 21.34	$ 68.92	15%	$ 0.02	1.00	$ 3.20	$ 1.87	$ 259.25	$ 190.63	$ 513.73	$ 23.53	3.53	$ 515.58	Best	Best	0	$ 1.86	0.36%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 28.04	$ 28.04	15%	$ 0.02	1.00	$ 4.21	$ 2.18	$ 233.75	$ 163.25	$ 418.66	$ 30.92	4.64	$ 421.11	Best	Best	0	$ 2.44	0.58%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	15%	$ 0.02	1.00	$ -	$ -	$ 416.50	$ 275.81	$ 692.31	$ -	0.00	$ 692.31	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 61.88	$ 61.88	15%	$ 0.02	1.00	$ 9.28	$ 5.44	$ 357.00	$ 295.07	$ 699.23	$ 68.22	10.23	$ 704.62	Best	Best	0	$ 5.39	0.77%
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	15%	$ 0.02	1.00	$ -	$ 0.21	$ 459.00	$ 340.70	$ 799.49	$ -	0.00	$ 799.49	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	15%	$ 0.02	1.15	$ -	$ -	$ 566.95	$ 281.89	$ 848.84	$ -	0.00	$ 848.84	-	-	0	-	-
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 25.30	$ 25.30	15%	$ 0.02	1.00	$ 3.80	$ 1.94	$ 216.75	$ 150.07	$ 386.39	$ 27.89	4.18	$ 388.59	Best	Best	0	$ 2.20	0.57%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 1.93	$ 1.93	15%	$ 0.02	1.00	$ 0.29	$ 0.17	$ 8,583.58	$ 158.18	$ 8,743.24	$ 2.13	0.32	$ 8,743.41	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 425.00	$ 315.35	$ 762.85	$ -	0.00	$ 762.85	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 72.80	$ 72.80	15%	$ 0.02	1.00	$ 10.92	$ 6.12	$ 466.08	$ 375.18	$ 897.02	$ 80.27	12.04	$ 903.37	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 13.92	$ 36.42	15%	$ 0.02	1.00	$ 2.09	$ 1.23	$ 451.92	$ 339.69	$ 824.71	$ 15.35	2.30	$ 825.92	Best	Best	0	$ 1.21	0.15%
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 461.83	$ 359.97	$ 844.30	$ -	0.00	$ 844.30	-	-	0	-	-
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 88.55	$ 88.55	15%	$ 0.02	1.00	$ 13.28	$ 7.51	$ 546.83	$ 440.08	$ 1,054.67	$ 97.63	14.64	$ 1,062.39	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 29.67	$ 52.17	15%	$ 0.02	1.00	$ 4.45	$ 2.62	$ 555.33	$ 405.60	$ 1,006.04	$ 32.71	4.91	$ 1,008.62	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 22.50	15%	$ 0.02	1.00	$ -	$ -	$ 535.50	$ 385.32	$ 943.32	$ -	0.00	$ 943.32	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 24.59	$ 24.59	15%	$ 0.02	1.00	$ 3.69	$ 2.49	$ 219.58	$

Best Route Choice Analysis Results

Class 5H **Non-NY E-ZPass**

			Impacts on Drivers as a Function of Value of Time																	
			Value of time $/h = 30			Value of time $/h = 40			Value of time $/h = 50			Value of time $/h = 65			Value of time $/h = 75			Value of time $/h = 85		
Origin	Destination	Route	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	-	-	0	Best	Best	0	Best	Best	0	Best	Best	0	-	Best	1	-	Best	1
Manchester, NH	Skaneateles	I-90 (Exit 34A)	-	-	0	-	-	0	-	-	0	-	-	0	Best	-	1	Best	-	1
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	Best	Best	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	US-20 (from w of Boston)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 (Exit 36)	-	-	0	-	-	0	-	-	0	Best	-	1	Best	-	1	Best	Best	0
Manchester, NH	Syracuse	VT-9 and US-20	Best	Best	0	Best	Best	0	Best	Best	0	-	Best	1	-	Best	1	-	-	0
Manchester, NH	Syracuse	MA-2 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	I-90 (Exit 46)	-	-	0	-	-	0	-	-	0	Best	-	1	Best	Best	0	Best	Best	0
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	VT-9, US-20, NY 104	Best	Best	0	Best	Best	0	Best	Best	0	-	Best	1	-	-	0	-	-	0
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-90 (Exit 51)	-	-	0	-	-	0	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	US - 20(VT-9)	Best	Best	0	Best	Best	0	-	Best	1	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	Best	Best	0	Best	Best	0	-	Best	1	-	Best	1	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90	-	-	0	-	-	0	Best	-	1	Best	-	1	Best	Best	0	Best	Best	0
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	Best	Best	0	-	Best	1	-	Best	1	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-90 (Exit 36)	-	-	0	Best	-	1	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	NY-145 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	US-20 (entire route)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	US - 20 and I-88	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	-	Best	1	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-90 (Exit 45)	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	US - 20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	-	Best	1	-	Best	1	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-90	Best	-	1	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	NY-5 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	US - 20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	Best	-	1	Best	-	1	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	-	Best	1	-	Best	1	-	Best	1	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Albany	Buffalo	I-90	-	-	0	Best	-	1	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	-	-	0	-	-	0	-	Best	1	-	-	0	-	-	0	-	-	0
Albany	Buffalo	US20	Best	Best	0	-	Best	1	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	Best	-	1	Best	-	1	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	-	Best	1	-	Best	1	-	Best	1	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Rochester	Erie	I-90 (Exit 46 to PA Line)	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Rochester	Erie	I390 and I86 (I390,408,19,I86)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	-	Best	1	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I-81(I81,I690,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I390 (I86,I390,63)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
				Changes	5		Changes	5		Changes	6		Changes	3		Changes	2		Changes	1
				Average Delta			Average Delta			Average Delta			Average Delta			Average Delta			Average Delta	
				$ 12.03	2.87%		$ 15.36	3.18%		$ 19.04	3.45%		$ 25.67	3.94%		$ 27.97	3.98%		$ 28.95	3.85%

Value of Time $/h = 30

Class 5H Vehicles Paying with a Non-NY E-ZPass

						Additional Route Detail				Toll Rates		Impact Factors												Cost/h VOT = >>	$ 30.00	Impacts on Drivers						
																								Cost/mile	$ 1.01	Value of Time $/h = 30						
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
			hours	minutes																												
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 191.50	$ 355.91	$ 575.99	$ 23.06	0.00	$ 412.89	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 47.33	$ 62.18	0%	$ -	1.00	$ -	$ -	$ 168.50	$ 373.15	$ 603.83	$ 79.48	0.00	$ 635.98	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 190.00	$ 396.47	$ 615.05	$ 23.06	0.00	$ 624.38	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 188.00	$ 412.70	$ 629.28	$ 23.06	0.00	$ 638.61	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 235.18	$ 332.59	$ 570.92	$ -	0.00	$ 570.92	Best	Best	0	$ -	0.00%
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 283.48	$ 369.10	$ 655.72	$ -	0.00	$ 655.72	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 205.50	$ 443.12	$ 668.97	$ -	0.00	$ 668.97	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.15	$ -	$ -	$ 212.14	$ 341.72	$ 582.44	$ 23.06	0.00	$ 591.77	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 184.00	$ 399.52	$ 612.10	$ 23.06	0.00	$ 621.43	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 49.02	$ 63.87	0%	$ -	1.00	$ -	$ -	$ 154.50	$ 351.86	$ 570.23	$ 82.33	0.00	$ 603.53	-	-	0	-	-
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 210.45	$ 295.07	$ 508.67	$ -	0.00	$ 508.67	Best	Best	0	$ -	0.00%
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 231.73	$ 328.54	$ 563.41	$ -	0.00	$ 563.41	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 279.45	$ 353.89	$ 636.49	$ -	0.00	$ 636.49	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 69.76	$ 84.61	0%	$ -	1.00	$ -	$ -	$ 198.50	$ 441.09	$ 724.20	$ 117.16	0.00	$ 771.60	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 31.49	$ 46.34	0%	$ -	1.00	$ -	$ -	$ 226.00	$ 504.97	$ 777.31	$ 52.89	0.00	$ 798.71	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73		0%	$ -	1.00	$ -	$ -	$ 236.50	$ 525.25	$ 761.75	$ 23.06	0.00	$ 799.66	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 334.08	$ 444.13	$ 781.36	$ -	0.00	$ 781.36	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 277.73	$ 389.38	$ 667.10	$ -	0.00	$ 667.10	Best	Best	0	$ -	0.00%
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 251.50	$ 551.62	$ 823.47	$ -	0.00	$ 823.47	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 84.89	$ 99.74	0%	$ -	1.00	$ -	$ -	$ 221.00	$ 496.86	$ 817.60	$ 142.57	0.00	$ 875.28	-	-	0	-	-
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 263.00	$ 548.57	$ 840.15	$ 23.06	0.00	$ 849.48	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 324.88	$ 447.17	$ 772.05	$ -	0.00	$ 772.05	Best	Best	0	$ -	0.00%
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 279.00	$ 577.98	$ 877.33	$ -	0.00	$ 877.33	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 285.00	$ 592.18	$ 897.53	$ -	0.00	$ 897.53	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 89.54	$ 104.39	0%	$ -	1.00	$ -	$ -	$ 265.50	$ 594.20	$ 964.09	$ 150.37	0.00	$ 1,024.93	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 35.93	$ 64.78	0%	$ -	1.00	$ -	$ -	$ 295.50	$ 625.64	$ 985.92	$ 60.35	0.00	$ 1,010.33	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407)	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 60.58	0%	$ -	1.00	$ -	$ -	$ 301.50	$ 642.88	$ 1,004.96	$ 23.06	0.00	$ 1,014.29	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.15	0%	$ -	1.00	$ -	$ -	$ 283.00	$ 617.53	$ 903.68	$ -	0.00	$ 903.68	Best	Best	0	$ -	0.00%
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 52.35	0%	$ -	1.00	$ -	$ -	$ 325.00	$ 678.37	$ 1,055.72	$ -	0.00	$ 1,055.72	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 145.98	$ 235.25	$ 400.96	$ 23.06	0.00	$ 410.29	Best	Best	0	$ 9.33	2.33%
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 47.33	$ 53.33	0%	$ -	1.00	$ -	$ -	$ 114.50	$ 253.50	$ 421.33	$ 79.48	0.00	$ 453.48	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 141.00	$ 280.88	$ 441.61	$ 23.06	0.00	$ 450.94	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 135.50	$ 288.99	$ 444.22	$ 23.06	0.00	$ 453.55	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 186.30	$ 245.39	$ 431.69	$ -	0.00	$ 431.69	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 192.05	$ 241.33	$ 433.38	$ -	0.00	$ 433.38	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 174.80	$ 239.30	$ 414.10	$ -	0.00	$ 414.10	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 157.00	$ 330.56	$ 502.81	$ -	0.00	$ 502.81	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 141.25	$ 221.05	$ 382.04	$ 23.06	0.00	$ 391.36	Best	Best	0	$ 9.33	2.44%
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 49.02	$ 55.02	0%	$ -	1.00	$ -	$ -	$ 105.50	$ 232.21	$ 392.73	$ 82.33	0.00	$ 426.03	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 138.00	$ 283.92	$ 441.65	$ 23.06	0.00	$ 450.98	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 132.50	$ 292.03	$ 444.26	$ 23.06	0.00	$ 453.59	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 181.70	$ 231.19	$ 412.89	$ -	0.00	$ 412.89	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 187.45	$ 227.14	$ 414.59	$ -	0.00	$ 414.59	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 201.25	$ 288.99	$ 490.24	$ -	0.00	$ 490.24	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 154.00	$ 333.61	$ 502.86	$ -	0.00	$ 502.86	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 216.42	$ 323.47	$ 559.62	$ 23.06	0.00	$ 568.95	-	Best	1	$ 31.75	5.67%
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 66.78	$ 72.78	0%	$ -	1.00	$ -	$ -	$ 145.00	$ 319.41	$ 537.19	$ 112.16	0.00	$ 582.57	Best	-	1	-	-
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 182.00	$ 400.53	$ 602.26	$ 23.06	0.00	$ 611.59	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 29.74	$ 35.74	0%	$ -	1.00	$ -	$ -	$ 171.50	$ 379.24	$ 586.48	$ 49.95	0.00	$ 606.68	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 250.13	$ 322.45	$ 572.58	$ -	0.00	$ 572.58	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 255.30	$ 319.41	$ 574.71	$ -	0.00	$ 574.71	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 201.50	$ 438.05	$ 654.80	$ -	0.00	$ 654.80	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 49.60	$ 55.60	0%	$ -	1.15	$ -	$ -	$ 211.66	$ 374.17	$ 641.43	$ 83.31	0.00	$ 675.14	-	Best	1	$ 39.05	6.09%
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 84.89	$ 90.89	0%	$ -	1.00	$ -	$ -	$ 169.00	$ 376.19	$ 636.09	$ 142.57	0.00	$ 693.77	Best	-	1	-	-
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 49.60	$ 55.60	0%	$ -	1.00	$ -	$ -	$ 200.00	$ 429.94	$ 685.54	$ 83.31	0.00	$ 719.24	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.00	0%	$ -	1.00	$ -	$ -	$ 245.00	$ 430.95	$ 681.95	$ -	0.00	$ 681.95	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 313.38	$ 382.28	$ 695.65	$ -	0.00	$ 695.65	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 299.00	$ 377.21	$ 676.21	$ -	0.00	$ 676.21	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 225.00	$ 464.41	$ 704.66	$ -	0.00	$ 704.66	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 89.54	$ 95.54	0%	$ -	1.00	$ -	$ -	$ 219.50	$ 477.59	$ 792.63	$ 150.37	0.00	$ 853.47	Best	-	1	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 35.93	$ 55.93	0%	$ -	1.00	$ -	$ -	$ 243.50	$ 501.93	$ 801.36	$ 60.35	0.00	$ 825.78	-	Best	1	$ 33.15	4.14%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 49.02	$ 63.02	0%	$ -	1.00	$ -	$ -	$ 242.00	$ 497.87	$ 802.89	$ 82.33	0.00	$ 836.20	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	0%	$ -	1.15	$ -	$ -	$ 343.85	$ 480.64	$ 856.49	$ -	0.00	$ 856.49	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 18.37	$ 56.37	0%	$ -	1.00	$ -	$ -	$ 245.50	$ 524.24	$ 826.11	$ 30.86	0.00	$ 838.60	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 4.64	$ 57.89	0%	$ -	1.00	$ -	$ -	$ 265.50	$ 561.76	$ 885.15	$ 7.80	0.00	$ 888.30	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 32.25	$ 87.30	0%	$ -	1.00	$ -	$ -	$ 90.00	$ 180.49	$ 357.79	$ 54.16	0.00	$ 379.71	Best	Best	0	$ 21.91	6.12%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 4.64	$ 59.69	0%	$ -	1.15	$ -	$ -	$ 170.78	$ 180.49	$ 410.96	$ 7.80	0.00	$ 414.12	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 56.52	$ 111.57	0%	$ -	1.00	$ -	$ -	$ 89.50	$ 185.56	$ 386.63	$ 94.92	0.00	$ 425.03	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 8.74	$ 79.04	0%	$ -	1.15	$ -	$ -	$ 146.63	$ 189.62	$ 415.28	$ 14.68	0.00	$ 421.22	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 32.25	$ 202.30	0%	$ -	1.00	$ -	$ -	$ 92.00	$ 180.49	$ 474.79	$ 54.16	0.00	$ 496.71	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 68.78	$ 123.83	0%	$ -	1.15	$ -	$ -	$ 166.75	$ 181.51	$ 472.09	$ 139.35	0.00	$ 542.66	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 96.39	$ 151.44	0%	$ -	1.00	$ -	$ -	$ 89.00	$ 185.56	$ 426.00	$ 185.72	0.00	$ 515.33	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 24.54	$ 94.84	0%	$ -	1.00	$ -	$ -	$ 91.50	$ 190.63	$ 376.97	$ 41.21	0.00	$ 393.64	Best	Best	0	$ 16.67	4.42%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 32.25	$ 32.25	0%	$ -	1.00	$ -	$ -	$ 82.50	$ 163.25	$ 278.01	$ 54.16	0.00	$ 299.92	Best	Best	0	$ 21.91	7.88%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 147.00	$ 275.81	$ 422.81	$ -	0.00	$ 422.81	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 71.16	$ 71.16	0%	$ -	1.00	$ -	$ -	$ 126.00	$ 295.07	$ 492.24	$ 119.52	0.00	$ 540.59	-	-	0	-	-
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 162.00	$ 340.70	$ 502.70	$ -	0.00	$ 502.70	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 200.10	$ 281.89	$ 481.99	$ -	0.00	$ 481.99	Best	Best	0	$ -	0.00%
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 29.10	$ 29.10	0%	$ -	1.00	$ -	$ -	$ 76.50	$ 150.07	$ 255.67	$ 48.87	0.00	$ 275.44	Best	Best	0	$ 19.77	7.73%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 2.22	$ 2.22	0%	$ -	1.00	$ -	$ -	$ 3,029.50	$ 158.18	$ 3,189.90	$ 3.73	0.00	$ 3,191.41	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 150.00	$ 315.35	$ 487.85	$ -	0.00	$ 487.85	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 83.73	$ 83.73	0%	$ -	1.00	$ -	$ -	$ 164.50	$ 375.18	$ 623.41	$ 140.61	0.00	$ 680.29	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 16.01	$ 38.51	0%	$ -	1.00	$ -	$ -	$ 159.50	$ 339.69	$ 537.70	$ 26.89	0.00	$ 548.58	Best	-	1	-	-
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 163.00	$ 359.97	$ 545.47	$ -	0.00	$ 545.47	-	Best	1	$ 7.77	1.42%
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 101.84	$ 101.84	0%	$ -	1.00	$ -	$ -	$ 193.00	$ 440.08	$ 734.91	$ 171.03	0.00	$ 804.11	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 34.12	$ 56.62	0%	$ -	1.00	$ -	$ -	$ 196.00	$ 405.60	$ 658.22	$ 57.30	0.00	$ 681.40	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 189.00	$ 385.32	$ 596.82	$ -	0.00	$ 596.82	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 28.28	$ 28.28	0%	$ -	1.00	$ -	$ -	$ 77.50	$ 164.27	$ 270.05	$ 47.49	0.00	$ 289.26	Best	-	1	-	-
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 110.50	$ 209.90	$ 320.40	$ -	0.00	$ 320.40	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 124.78	$ 163.25	$ 288.03	$ -	0.00	$ 288.03	-	Best	1	$ 17.98	6.24%
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 26.23	$ 26.23	0%	$ -	1.00	$ -	$ -	$ 86.00	$ 187.59	$ 299.82	$ 44.06	0.00	$ 317.65	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 16.48	$ 16.48	0%	$ -	1.15	$ -	$ -	$ 96.71	$ 167.31	$ 280.49	$ 27.67	0.00	$ 291.69	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 83.00	$ 170.35	$ 253.35	$ -	0.00	$ 253.35	Best	Best	0	$ -	0.00%

# Changes	5	Average Delta	
		$ 12.03	2.87%

Value of Time $/h = 40

Class 5H Vehicles Paying with a Non-NY E-ZPass

						Additional Route Detail				Toll Rates		Impact Factors											Cost/h VOT = >>	$ 40.00	Impacts on Drivers					
																							Cost/mile	$ 1.01	Value of Time $/h = 40					
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
			hours	minutes																											
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 255.33	$ 355.91	$ 639.83	$ 23.06	0.00	$ 649.16	Best	Best	0	$ 9.33	1.46%
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 47.33	$ 62.18	0%	$ -	1.00	$ -	$ -	$ 224.67	$ 373.15	$ 659.99	$ 79.48	0.00	$ 692.15	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 253.33	$ 396.47	$ 678.39	$ 23.06	0.00	$ 687.72	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 250.67	$ 412.70	$ 691.94	$ 23.06	0.00	$ 701.27	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 313.57	$ 332.59	$ 649.31	$ -	0.00	$ 649.31	-	-	0	-	-
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 377.97	$ 369.10	$ 750.21	$ -	0.00	$ 750.21	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 274.00	$ 443.12	$ 737.47	$ -	0.00	$ 737.47	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.15	$ -	$ -	$ 282.86	$ 341.72	$ 653.15	$ 23.06	0.00	$ 662.48	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 245.33	$ 399.52	$ 673.43	$ 23.06	0.00	$ 682.76	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 49.02	$ 63.87	0%	$ -	1.00	$ -	$ -	$ 206.00	$ 351.86	$ 621.73	$ 82.33	0.00	$ 655.03	-	-	0	-	-
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 280.60	$ 295.07	$ 578.82	$ -	0.00	$ 578.82	Best	Best	0	$ -	0.00%
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 308.97	$ 328.54	$ 640.65	$ -	0.00	$ 640.65	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 372.60	$ 353.89	$ 729.64	$ -	0.00	$ 729.64	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 69.76	$ 84.61	0%	$ -	1.00	$ -	$ -	$ 264.67	$ 441.09	$ 790.37	$ 117.16	0.00	$ 837.77	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 31.49	$ 46.34	0%	$ -	1.00	$ -	$ -	$ 301.33	$ 504.97	$ 852.65	$ 52.89	0.00	$ 874.04	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73		0%	$ -	1.00	$ -	$ -	$ 315.33	$ 525.25	$ 840.59	$ 23.06	0.00	$ 878.49	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 445.43	$ 444.13	$ 892.72	$ -	0.00	$ 892.72	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 370.30	$ 389.38	$ 759.68	$ -	0.00	$ 759.68	Best	Best	0	$ -	0.00%
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 335.33	$ 551.62	$ 907.30	$ -	0.00	$ 907.30	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 84.89	$ 99.74	0%	$ -	1.00	$ -	$ -	$ 294.67	$ 496.86	$ 891.27	$ 142.57	0.00	$ 948.95	-	-	0	-	-
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 350.67	$ 548.57	$ 927.82	$ 23.06	0.00	$ 937.15	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 433.17	$ 447.17	$ 880.34	$ -	0.00	$ 880.34	Best	Best	0	$ -	0.00%
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 372.00	$ 577.98	$ 970.33	$ -	0.00	$ 970.33	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 380.00	$ 592.18	$ 992.53	$ -	0.00	$ 992.53	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 89.54	$ 104.39	0%	$ -	1.00	$ -	$ -	$ 354.00	$ 594.20	$ 1,052.59	$ 150.37	0.00	$ 1,113.43	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 35.93	$ 64.78	0%	$ -	1.00	$ -	$ -	$ 394.00	$ 625.64	$ 1,084.42	$ 60.35	0.00	$ 1,108.83	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 60.58	0%	$ -	1.00	$ -	$ -	$ 402.00	$ 642.88	$ 1,105.46	$ 23.06	0.00	$ 1,114.79	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.15	0%	$ -	1.00	$ -	$ -	$ 377.33	$ 617.53	$ 998.01	$ -	0.00	$ 998.01	Best	Best	0	$ -	0.00%
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 52.35	0%	$ -	1.00	$ -	$ -	$ 433.33	$ 678.37	$ 1,164.05	$ -	0.00	$ 1,164.05	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 194.64	$ 235.25	$ 449.62	$ 23.06	0.00	$ 458.95	Best	Best	0	$ 9.33	2.07%
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 47.33	$ 53.33	0%	$ -	1.00	$ -	$ -	$ 152.67	$ 253.50	$ 459.49	$ 79.48	0.00	$ 491.65	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 188.00	$ 280.88	$ 488.61	$ 23.06	0.00	$ 497.94	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 180.67	$ 288.99	$ 489.39	$ 23.06	0.00	$ 498.72	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 248.40	$ 245.39	$ 493.79	$ -	0.00	$ 493.79	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 256.07	$ 241.33	$ 497.40	$ -	0.00	$ 497.40	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 233.07	$ 239.30	$ 472.37	$ -	0.00	$ 472.37	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 209.33	$ 330.56	$ 555.15	$ -	0.00	$ 555.15	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 188.34	$ 221.05	$ 429.12	$ 23.06	0.00	$ 438.45	-	Best	1	$ 10.56	2.46%
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 49.02	$ 55.02	0%	$ -	1.00	$ -	$ -	$ 140.67	$ 232.21	$ 427.89	$ 82.33	0.00	$ 461.20	Best	-	1	-	-
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 184.00	$ 283.92	$ 487.65	$ 23.06	0.00	$ 496.98	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 176.67	$ 292.03	$ 488.43	$ 23.06	0.00	$ 497.76	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 242.27	$ 231.19	$ 473.46	$ -	0.00	$ 473.46	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 249.93	$ 227.14	$ 477.07	$ -	0.00	$ 477.07	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 268.33	$ 288.99	$ 557.32	$ -	0.00	$ 557.32	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329		Exit 6 to NYSTA		0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 205.33	$ 333.61	$ 554.19	$ -	0.00	$ 554.19	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 288.56	$ 323.47	$ 631.76	$ 23.06	0.00	$ 641.09	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 66.78	$ 72.78	0%	$ -	1.00	$ -	$ -	$ 193.33	$ 319.41	$ 585.53	$ 112.16	0.00	$ 630.90	Best	Best	0	$ 45.37	7.75%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 242.67	$ 400.53	$ 662.93	$ 23.06	0.00	$ 672.26	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 29.74	$ 35.74	0%	$ -	1.00	$ -	$ -	$ 228.67	$ 379.24	$ 643.64	$ 49.95	0.00	$ 663.85	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 333.50	$ 322.45	$ 655.95	$ -	0.00	$ 655.95	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 340.40	$ 319.41	$ 659.81	$ -	0.00	$ 659.81	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 268.67	$ 438.05	$ 721.96	$ -	0.00	$ 721.96	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 49.60	$ 55.60	0%	$ -	1.15	$ -	$ -	$ 282.22	$ 374.17	$ 711.99	$ 83.31	0.00	$ 745.69	-	Best	1	$ 53.27	7.48%
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 84.89	$ 90.89	0%	$ -	1.00	$ -	$ -	$ 225.33	$ 376.19	$ 692.42	$ 142.57	0.00	$ 750.10	Best	-	1	-	-
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 49.60	$ 55.60	0%	$ -	1.00	$ -	$ -	$ 266.67	$ 429.94	$ 752.21	$ 83.31	0.00	$ 785.91	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.00	0%	$ -	1.00	$ -	$ -	$ 326.67	$ 430.95	$ 763.62	$ -	0.00	$ 763.62	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 417.83	$ 382.28	$ 800.11	$ -	0.00	$ 800.11	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 398.67	$ 377.21	$ 775.87	$ -	0.00	$ 775.87	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 300.00	$ 464.41	$ 779.66	$ -	0.00	$ 779.66	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 89.54	$ 95.54	0%	$ -	1.00	$ -	$ -	$ 292.67	$ 477.59	$ 865.80	$ 150.37	0.00	$ 926.63	Best	-	1	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 35.93	$ 55.93	0%	$ -	1.00	$ -	$ -	$ 324.67	$ 501.93	$ 882.53	$ 60.35	0.00	$ 906.94	-	Best	1	$ 41.15	4.66%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 49.02	$ 63.02	0%	$ -	1.00	$ -	$ -	$ 322.67	$ 497.87	$ 883.56	$ 82.33	0.00	$ 916.87	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	0%	$ -	1.15	$ -	$ -	$ 458.47	$ 480.64	$ 971.10	$ -	0.00	$ 971.10	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 18.37	$ 56.37	0%	$ -	1.00	$ -	$ -	$ 327.33	$ 524.24	$ 907.94	$ 30.86	0.00	$ 920.43	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 4.64	$ 57.89	0%	$ -	1.00	$ -	$ -	$ 354.00	$ 561.76	$ 973.65	$ 7.80	0.00	$ 976.80	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 32.25	$ 87.30	0%	$ -	1.00	$ -	$ -	$ 120.00	$ 180.49	$ 387.79	$ 54.16	0.00	$ 409.71	Best	Best	0	$ 21.91	5.65%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 4.64	$ 59.69	0%	$ -	1.15	$ -	$ -	$ 227.70	$ 180.49	$ 467.89	$ 7.80	0.00	$ 471.04	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 56.52	$ 111.57	0%	$ -	1.00	$ -	$ -	$ 119.33	$ 185.56	$ 416.46	$ 94.92	0.00	$ 454.87	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 8.74	$ 79.04	0%	$ -	1.15	$ -	$ -	$ 195.50	$ 189.62	$ 464.16	$ 14.68	0.00	$ 470.10	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 32.25	$ 202.30	0%	$ -	1.00	$ -	$ -	$ 122.67	$ 180.49	$ 505.46	$ 54.16	0.00	$ 527.37	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 68.78	$ 123.83	0%	$ -	1.15	$ -	$ -	$ 222.33	$ 181.51	$ 527.67	$ 139.35	0.00	$ 598.24	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 96.39	$ 151.44	0%	$ -	1.00	$ -	$ -	$ 118.67	$ 185.56	$ 455.67	$ 185.72	0.00	$ 545.00	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 24.54	$ 94.84	0%	$ -	1.00	$ -	$ -	$ 122.00	$ 190.63	$ 407.47	$ 41.21	0.00	$ 424.14	Best	Best	0	$ 16.67	4.09%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 32.25	$ 32.25	0%	$ -	1.00	$ -	$ -	$ 110.00	$ 163.25	$ 305.51	$ 54.16	0.00	$ 327.42	Best	Best	0	$ 21.91	7.17%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 196.00	$ 275.81	$ 471.81	$ -	0.00	$ 471.81	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 71.16	$ 71.16	0%	$ -	1.00	$ -	$ -	$ 168.00	$ 295.07	$ 534.24	$ 119.52	0.00	$ 582.59	Best	-	1	-	-
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 216.00	$ 340.70	$ 556.70	$ -	0.00	$ 556.70	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 266.80	$ 281.89	$ 548.69	$ -	0.00	$ 548.69	-	Best	1	$ 14.45	2.63%
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 29.10	$ 29.10	0%	$ -	1.00	$ -	$ -	$ 102.00	$ 150.07	$ 281.17	$ 48.87	0.00	$ 300.94	Best	Best	0	$ 19.77	7.03%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 2.22	$ 2.22	0%	$ -	1.00	$ -	$ -	$ 4,039.33	$ 158.18	$ 4,199.74	$ 3.73	0.00	$ 4,201.25	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 200.00	$ 315.35	$ 537.85	$ -	0.00	$ 537.85	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 83.73	$ 83.73	0%	$ -	1.00	$ -	$ -	$ 219.33	$ 375.18	$ 678.24	$ 140.61	0.00	$ 735.13	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 16.01	$ 38.51	0%	$ -	1.00	$ -	$ -	$ 212.67	$ 339.69	$ 590.87	$ 26.89	0.00	$ 601.74	Best	-	1	-	-
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 217.33	$ 359.97	$ 599.80	$ -	0.00	$ 599.80	-	Best	1	$ 8.94	1.49%
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 101.84	$ 101.84	0%	$ -	1.00	$ -	$ -	$ 257.33	$ 440.08	$ 799.25	$ 171.03	0.00	$ 868.44	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 34.12	$ 56.62	0%	$ -	1.00	$ -	$ -	$ 261.33	$ 405.60	$ 723.55	$ 57.30	0.00	$ 746.74	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 252.00	$ 385.32	$ 659.82	$ -	0.00	$ 659.82	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 28.28	$ 28.28	0%	$ -	1.00	$ -	$ -	$ 103.33	$ 164.27	$ 295.88	$ 47.49	0.00	$ 315.09	Best	Best	0	$ 19.21	6.49%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 147.33	$ 209.90	$ 357.23	$ -	0.00	$ 357.23	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 166.37	$ 163.25	$ 329.62	$ -	0.00	$ 329.62	-	-	0	-	-
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 26.23	$ 26.23	0%	$ -	1.00	$ -	$ -	$ 114.67	$ 187.59	$ 328.49	$ 44.06	0.00	$ 346.31	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 16.48	$ 16.48	0%	$ -	1.15	$ -	$ -	$ 128.94	$ 167.31	$ 312.73	$ 27.67	0.00	$ 323.92	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 110.67	$ 170.35	$ 281.02	$ -	0.00	$ 281.02	Best	Best	0	$ -	0.00%
																									# Changes	5	Average Delta		

Value of Time $/h = 50

Class 5H Vehicles Paying with a Non-NY E-ZPass

						Additional Route Detail				Toll Rates		Impact Factors											Cost/h VOT = >>	$ 50.00	Impacts on Drivers							
																							Cost/mile	$ 1.01	Value of Time $/h = 50							
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %						
			hours	minutes																												
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 319.17	$ 355.91	$ 703.66	$ 23.06	0.00	$ 712.99	Best	Best	0	$ 9.33	1.33%						
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 47.33	$ 62.18	0%	$ -	1.00	$ -	$ -	$ 280.83	$ 373.15	$ 716.16	$ 79.48	0.00	$ 748.32	-	-	0	-	-						
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 316.67	$ 396.47	$ 741.72	$ 23.06	0.00	$ 751.05	-	-	0	-	-						
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 313.33	$ 412.70	$ 754.61	$ 23.06	0.00	$ 763.94	-	-	0	-	-						
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 391.96	$ 332.59	$ 727.70	$ -	0.00	$ 727.70	-	-	0	-	-						
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 472.46	$ 369.10	$ 844.70	$ -	0.00	$ 844.70	-	-	0	-	-						
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 342.50	$ 443.12	$ 805.97	$ -	0.00	$ 805.97	-	-	0	-	-						
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.15	$ -	$ -	$ 353.57	$ 341.72	$ 723.87	$ 23.06	0.00	$ 733.20	-	-	0	-	-						
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 306.67	$ 399.52	$ 734.76	$ 23.06	0.00	$ 744.09	-	-	0	-	-						
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 49.02	$ 63.87	0%	$ -	1.00	$ -	$ -	$ 257.50	$ 351.86	$ 673.23	$ 82.33	0.00	$ 706.53	-	-	0	-	-						
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 350.75	$ 295.07	$ 648.97	$ -	0.00	$ 648.97	Best	Best	0	$ -	0.00%						
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 386.21	$ 328.54	$ 717.89	$ -	0.00	$ 717.89	-	-	0	-	-						
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 465.75	$ 353.89	$ 822.79	$ -	0.00	$ 822.79	-	-	0	-	-						
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 69.76	$ 84.61	0%	$ -	1.00	$ -	$ -	$ 330.83	$ 441.09	$ 856.53	$ 117.16	0.00	$ 903.93	-	-	0	-	-						
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 31.49	$ 46.34	0%	$ -	1.00	$ -	$ -	$ 376.67	$ 504.97	$ 927.98	$ 52.89	0.00	$ 949.38	-	-	0	-	-						
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73		0%	$ -	1.00	$ -	$ -	$ 394.17	$ 525.25	$ 919.42	$ 23.06	0.00	$ 957.33	-	-	0	-	-						
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 556.79	$ 444.13	$ 1,004.07	$ -	0.00	$ 1,004.07	-	-	0	-	-						
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 462.88	$ 389.38	$ 852.25	$ -	0.00	$ 852.25	Best	Best	0	$ -	0.00%						
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 419.17	$ 551.62	$ 991.13	$ -	0.00	$ 991.13	-	-	0	-	-						
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 84.89	$ 99.74	0%	$ -	1.00	$ -	$ -	$ 368.33	$ 496.86	$ 964.94	$ 142.57	0.00	$ 1,022.62	Best	-	1	-	-						
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 438.33	$ 548.57	$ 1,015.49	$ 23.06	0.00	$ 1,024.82	-	-	0	-	-						
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 541.46	$ 447.17	$ 988.63	$ -	0.00	$ 988.63	-	Best	1	$ 23.69	2.40%						
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 465.00	$ 577.98	$ 1,063.33	$ -	0.00	$ 1,063.33	-	-	0	-	-						
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 475.00	$ 592.18	$ 1,087.53	$ -	0.00	$ 1,087.53	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 89.54	$ 104.39	0%	$ -	1.00	$ -	$ -	$ 442.50	$ 594.20	$ 1,141.09	$ 150.37	0.00	$ 1,201.93	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 35.93	$ 64.78	0%	$ -	1.00	$ -	$ -	$ 492.50	$ 625.64	$ 1,182.92	$ 60.35	0.00	$ 1,207.33	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 60.58	0%	$ -	1.00	$ -	$ -	$ 502.50	$ 642.88	$ 1,205.96	$ 23.06	0.00	$ 1,215.29	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.15	0%	$ -	1.00	$ -	$ -	$ 471.67	$ 617.53	$ 1,092.34	$ -	0.00	$ 1,092.34	Best	Best	0	$ -	0.00%						
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 52.35	0%	$ -	1.00	$ -	$ -	$ 541.67	$ 678.37	$ 1,272.38	$ -	0.00	$ 1,272.38	-	-	0	-	-						
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 243.30	$ 235.25	$ 498.28	$ 23.06	0.00	$ 507.61	-	Best	1	$ 9.95	2.00%						
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 47.33	$ 53.33	0%	$ -	1.00	$ -	$ -	$ 190.83	$ 253.50	$ 497.66	$ 79.48	0.00	$ 529.81	Best	-	1	-	-						
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 235.00	$ 280.88	$ 535.61	$ 23.06	0.00	$ 544.94	-	-	0	-	-						
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 225.83	$ 288.99	$ 534.55	$ 23.06	0.00	$ 543.88	-	-	0	-	-						
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 310.50	$ 245.39	$ 555.89	$ -	0.00	$ 555.89	-	-	0	-	-						
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 320.08	$ 241.33	$ 561.42	$ -	0.00	$ 561.42	-	-	0	-	-						
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 291.33	$ 239.30	$ 530.64	$ -	0.00	$ 530.64	-	-	0	-	-						
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 261.67	$ 330.56	$ 607.48	$ -	0.00	$ 607.48	-	-	0	-	-						
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 235.42	$ 221.05	$ 476.20	$ 23.06	0.00	$ 485.53	-	Best	1	$ 22.47	4.72%						
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 49.02	$ 55.02	0%	$ -	1.00	$ -	$ -	$ 175.83	$ 232.21	$ 463.06	$ 82.33	0.00	$ 496.37	Best	-	1	-	-						
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 230.00	$ 283.92	$ 533.65	$ 23.06	0.00	$ 542.98	-	-	0	-	-						
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 220.83	$ 292.03	$ 532.60	$ 23.06	0.00	$ 541.92	-	-	0	-	-						
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 302.83	$ 231.19	$ 534.03	$ -	0.00	$ 534.03	-	-	0	-	-						
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 312.42	$ 227.14	$ 539.55	$ -	0.00	$ 539.55	-	-	0	-	-						
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 335.42	$ 288.99	$ 624.41	$ -	0.00	$ 624.41	-	-	0	-	-						
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329		Exit 6 to NYSTA		0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 256.67	$ 333.61	$ 605.52	$ -	0.00	$ 605.52	-	-	0	-	-						
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 360.70	$ 323.47	$ 703.90	$ 23.06	0.00	$ 713.23	-	-	0	-	-						
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 66.78	$ 72.78	0%	$ -	1.00	$ -	$ -	$ 241.67	$ 319.41	$ 633.86	$ 112.16	0.00	$ 679.23	Best	Best	0	$ 45.37	7.16%						
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 303.33	$ 400.53	$ 723.59	$ 23.06	0.00	$ 732.92	-	-	0	-	-						
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 29.74	$ 35.74	0%	$ -	1.00	$ -	$ -	$ 285.83	$ 379.24	$ 700.81	$ 49.95	0.00	$ 721.01	-	-	0	-	-						
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 416.88	$ 322.45	$ 739.33	$ -	0.00	$ 739.33	-	-	0	-	-						
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 425.50	$ 319.41	$ 744.91	$ -	0.00	$ 744.91	-	-	0	-	-						
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 335.83	$ 438.05	$ 789.13	$ -	0.00	$ 789.13	-	-	0	-	-						
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 49.60	$ 55.60	0%	$ -	1.15	$ -	$ -	$ 352.77	$ 374.17	$ 782.54	$ 83.31	0.00	$ 816.24	-	-	0	-	-						
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 84.89	$ 90.89	0%	$ -	1.00	$ -	$ -	$ 281.67	$ 376.19	$ 748.75	$ 142.57	0.00	$ 806.44	Best	Best	0	$ 57.68	7.70%						
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 49.60	$ 55.60	0%	$ -	1.00	$ -	$ -	$ 333.33	$ 429.94	$ 818.87	$ 83.31	0.00	$ 852.58	-	-	0	-	-						
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.00	0%	$ -	1.00	$ -	$ -	$ 408.33	$ 430.95	$ 845.28	$ -	0.00	$ 845.28	-	-	0	-	-						
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 522.29	$ 382.28	$ 904.57	$ -	0.00	$ 904.57	-	-	0	-	-						
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 498.33	$ 377.21	$ 875.54	$ -	0.00	$ 875.54	-	-	0	-	-						
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 375.00	$ 464.41	$ 854.66	$ -	0.00	$ 854.66	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 89.54	$ 95.54	0%	$ -	1.00	$ -	$ -	$ 365.83	$ 477.59	$ 938.96	$ 150.37	0.00	$ 999.80	Best	-	1	-	-						
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 35.93	$ 55.93	0%	$ -	1.00	$ -	$ -	$ 405.83	$ 501.93	$ 963.70	$ 60.35	0.00	$ 988.11	-	Best	1	$ 49.15	5.10%						
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 49.02	$ 63.02	0%	$ -	1.00	$ -	$ -	$ 403.33	$ 497.87	$ 964.23	$ 82.33	0.00	$ 997.53	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	0%	$ -	1.15	$ -	$ -	$ 573.08	$ 480.64	$ 1,085.72	$ -	0.00	$ 1,085.72	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 18.37	$ 56.37	0%	$ -	1.00	$ -	$ -	$ 409.17	$ 524.24	$ 989.78	$ 30.86	0.00	$ 1,002.26	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 4.64	$ 57.89	0%	$ -	1.00	$ -	$ -	$ 442.50	$ 561.76	$ 1,062.15	$ 7.80	0.00	$ 1,065.30	-	-	0	-	-						
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 32.25	$ 87.30	0%	$ -	1.00	$ -	$ -	$ 150.00	$ 180.49	$ 417.79	$ 54.16	0.00	$ 439.71	Best	Best	0	$ 21.91	5.24%						
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 4.64	$ 59.69	0%	$ -	1.15	$ -	$ -	$ 284.63	$ 180.49	$ 524.81	$ 7.80	0.00	$ 527.97	-	-	0	-	-						
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 56.52	$ 111.57	0%	$ -	1.00	$ -	$ -	$ 149.17	$ 185.56	$ 446.30	$ 94.92	0.00	$ 484.70	-	-	0	-	-						
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 8.74	$ 79.04	0%	$ -	1.15	$ -	$ -	$ 244.38	$ 189.62	$ 513.03	$ 14.68	0.00	$ 518.97	-	-	0	-	-						
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 32.25	$ 202.30	0%	$ -	1.00	$ -	$ -	$ 153.33	$ 180.49	$ 536.13	$ 54.16	0.00	$ 558.04	-	-	0	-	-						
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 68.78	$ 123.83	0%	$ -	1.15	$ -	$ -	$ 277.92	$ 181.51	$ 583.26	$ 139.35	0.00	$ 653.82	-	-	0	-	-						
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 96.39	$ 151.44	0%	$ -	1.00	$ -	$ -	$ 148.33	$ 185.56	$ 485.34	$ 185.72	0.00	$ 574.66	-	-	0	-	-						
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 24.54	$ 94.84	0%	$ -	1.00	$ -	$ -	$ 152.50	$ 190.63	$ 437.97	$ 41.21	0.00	$ 454.64	Best	Best	0	$ 16.67	3.81%						
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 32.25	$ 32.25	0%	$ -	1.00	$ -	$ -	$ 137.50	$ 163.25	$ 333.01	$ 54.16	0.00	$ 354.92	Best	Best	0	$ 21.91	6.58%						
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 245.00	$ 275.81	$ 520.81	$ -	0.00	$ 520.81	-	-	0	-	-						
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 71.16	$ 71.16	0%	$ -	1.00	$ -	$ -	$ 210.00	$ 295.07	$ 576.24	$ 119.52	0.00	$ 624.59	Best	-	1	-	-						
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 270.00	$ 340.70	$ 610.70	$ -	0.00	$ 610.70	-	Best	1	$ 34.47	5.64%						
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 333.50	$ 281.89	$ 615.39	$ -	0.00	$ 615.39	-	-	0	-	-						
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 29.10	$ 29.10	0%	$ -	1.00	$ -	$ -	$ 127.50	$ 150.07	$ 306.67	$ 48.87	0.00	$ 326.44	Best	Best	0	$ 19.77	6.45%						
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 2.22	$ 2.22	0%	$ -	1.00	$ -	$ -	$ 5,049.17	$ 158.18	$ 5,209.57	$ 3.73	0.00	$ 5,211.08	-	-	0	-	-						
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 250.00	$ 315.35	$ 587.85	$ -	0.00	$ 587.85	-	-	0	-	-						
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 83.73	$ 83.73	0%	$ -	1.00	$ -	$ -	$ 274.17	$ 375.18	$ 733.07	$ 140.61	0.00	$ 789.96	-	-	0	-	-						
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 16.01	$ 38.51	0%	$ -	1.00	$ -	$ -	$ 265.83	$ 339.69	$ 644.03	$ 26.89	0.00	$ 654.91	Best	-	1	-	-						
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 271.67	$ 359.97	$ 654.14	$ -	0.00	$ 654.14	-	Best	1	$ 10.10	1.54%						
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 101.84	$ 101.84	0%	$ -	1.00	$ -	$ -	$ 321.67	$ 440.08	$ 863.58	$ 171.03	0.00	$ 932.77	-	-	0	-	-						
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 34.12	$ 56.62	0%	$ -	1.00	$ -	$ -	$ 326.67	$ 405.60	$ 788.89	$ 57.30	0.00	$ 812.07	-	-	0	-	-						
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 315.00	$ 385.32	$ 722.82	$ -	0.00	$ 722.82	Best	Best	0	$ -	0.00%						
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 28.28	$ 28.28	0%	$ -	1.00	$ -	$ -	$ 129.17	$ 164.27	$ 321.71	$ 47.49	0.00	$ 340.93	Best	Best	0	$ 19.21	5.97%						
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 184.17	$ 209.90	$ 394.06	$ -	0.00	$ 394.06	-	-	0	-	-						
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$

Value of Time $/h = 65

Class 5H Vehicles Paying with a Non-NY E-ZPass

						Additional Route Detail				Toll Rates		Impact Factors											Cost/h VOT = >>	$ 65.00	Impacts on Drivers							
																							Cost/mile	$ 1.01	Value of Time $/h = 65							
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %						
			hours	minutes																												
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 414.92	$ 355.91	$ 799.41	$ 23.06	0.00	$ 808.74	Best	Best	0	$ 9.33	1.17%						
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 47.33	$ 62.18	0%	$ -	1.00	$ -	$ -	$ 365.08	$ 373.15	$ 800.41	$ 79.48	0.00	$ 832.57	-	-	0	-	-						
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 411.67	$ 396.47	$ 836.72	$ 23.06	0.00	$ 846.05	-	-	0	-	-						
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 407.33	$ 412.70	$ 848.61	$ 23.06	0.00	$ 857.94	-	-	0	-	-						
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 509.55	$ 332.59	$ 845.29	$ -	0.00	$ 845.29	-	-	0	-	-						
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 614.20	$ 369.10	$ 986.44	$ -	0.00	$ 986.44	-	-	0	-	-						
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 445.25	$ 443.12	$ 908.72	$ -	0.00	$ 908.72	-	-	0	-	-						
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.15	$ -	$ -	$ 459.64	$ 341.72	$ 829.94	$ 23.06	0.00	$ 839.27	-	-	0	-	-						
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 398.67	$ 399.52	$ 826.76	$ 23.06	0.00	$ 836.09	-	-	0	-	-						
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 49.02	$ 63.87	0%	$ -	1.00	$ -	$ -	$ 334.75	$ 351.86	$ 750.48	$ 82.33	0.00	$ 783.78	Best	-	1	-	-						
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 455.98	$ 295.07	$ 754.20	$ -	0.00	$ 754.20	-	Best	1	$ 3.72	0.49%						
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 502.07	$ 328.54	$ 833.76	$ -	0.00	$ 833.76	-	-	0	-	-						
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 605.48	$ 353.89	$ 962.51	$ -	0.00	$ 962.51	-	-	0	-	-						
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 69.76	$ 84.61	0%	$ -	1.00	$ -	$ -	$ 430.08	$ 441.09	$ 955.78	$ 117.16	0.00	$ 1,003.18	Best	-	1	-	-						
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 31.49	$ 46.34	0%	$ -	1.00	$ -	$ -	$ 489.67	$ 504.97	$ 1,040.98	$ 52.89	0.00	$ 1,062.38	-	-	0	-	-						
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73		0%	$ -	1.00	$ -	$ -	$ 512.42	$ 525.25	$ 1,037.67	$ 23.06	0.00	$ 1,075.58	-	-	0	-	-						
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 723.83	$ 444.13	$ 1,171.11	$ -	0.00	$ 1,171.11	-	-	0	-	-						
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 601.74	$ 389.38	$ 991.11	$ -	0.00	$ 991.11	-	Best	1	$ 35.33	3.56%						
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 544.92	$ 551.62	$ 1,116.88	$ -	0.00	$ 1,116.88	-	-	0	-	-						
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 84.89	$ 99.74	0%	$ -	1.00	$ -	$ -	$ 478.83	$ 496.86	$ 1,075.44	$ 142.57	0.00	$ 1,133.12	Best	Best	0	$ 57.68	5.36%						
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 569.83	$ 548.57	$ 1,146.99	$ 23.06	0.00	$ 1,156.32	-	-	0	-	-						
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 703.90	$ 447.17	$ 1,151.07	$ -	0.00	$ 1,151.07	-	-	0	-	-						
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 604.50	$ 577.98	$ 1,202.83	$ -	0.00	$ 1,202.83	-	-	0	-	-						
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 617.50	$ 592.18	$ 1,230.03	$ -	0.00	$ 1,230.03	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 89.54	$ 104.39	0%	$ -	1.00	$ -	$ -	$ 575.25	$ 594.20	$ 1,273.84	$ 150.37	0.00	$ 1,334.68	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 35.93	$ 64.78	0%	$ -	1.00	$ -	$ -	$ 640.25	$ 625.64	$ 1,330.67	$ 60.35	0.00	$ 1,355.08	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 60.58	0%	$ -	1.00	$ -	$ -	$ 653.25	$ 642.88	$ 1,356.71	$ 23.06	0.00	$ 1,366.04	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.15	0%	$ -	1.00	$ -	$ -	$ 613.17	$ 617.53	$ 1,233.84	$ -	0.00	$ 1,233.84	Best	Best	0	$ -	0.00%						
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 52.35	0%	$ -	1.00	$ -	$ -	$ 704.17	$ 678.37	$ 1,434.88	$ -	0.00	$ 1,434.88	-	-	0	-	-						
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 316.30	$ 235.25	$ 571.27	$ 23.06	0.00	$ 580.60	-	Best	1	$ 25.69	4.50%						
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 47.33	$ 53.33	0%	$ -	1.00	$ -	$ -	$ 248.08	$ 253.50	$ 554.91	$ 79.48	0.00	$ 587.06	Best	-	1	-	-						
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 305.50	$ 280.88	$ 606.11	$ 23.06	0.00	$ 615.44	-	-	0	-	-						
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 293.58	$ 288.99	$ 602.30	$ 23.06	0.00	$ 611.63	-	-	0	-	-						
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 403.65	$ 245.39	$ 649.04	$ -	0.00	$ 649.04	-	-	0	-	-						
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 416.11	$ 241.33	$ 657.44	$ -	0.00	$ 657.44	-	-	0	-	-						
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 378.73	$ 239.30	$ 618.04	$ -	0.00	$ 618.04	-	-	0	-	-						
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 340.17	$ 330.56	$ 685.98	$ -	0.00	$ 685.98	-	-	0	-	-						
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 306.05	$ 221.05	$ 546.83	$ 23.06	0.00	$ 556.16	-	-	0	-	-						
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 49.02	$ 55.02	0%	$ -	1.00	$ -	$ -	$ 228.58	$ 232.21	$ 515.81	$ 82.33	0.00	$ 549.12	Best	Best	0	$ 33.31	6.46%						
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 299.00	$ 283.92	$ 602.65	$ 23.06	0.00	$ 611.98	-	-	0	-	-						
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 287.08	$ 292.03	$ 598.85	$ 23.06	0.00	$ 608.17	-	-	0	-	-						
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 393.68	$ 231.19	$ 624.88	$ -	0.00	$ 624.88	-	-	0	-	-						
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 406.14	$ 227.14	$ 633.28	$ -	0.00	$ 633.28	-	-	0	-	-						
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 436.04	$ 288.99	$ 725.03	$ -	0.00	$ 725.03	-	-	0	-	-						
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329		Exit 6 to NYSTA		0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 333.67	$ 333.61	$ 682.52	$ -	0.00	$ 682.52	-	-	0	-	-						
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 468.91	$ 323.47	$ 812.11	$ 23.06	0.00	$ 821.44	-	-	0	-	-						
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 66.78	$ 72.78	0%	$ -	1.00	$ -	$ -	$ 314.17	$ 319.41	$ 706.36	$ 112.16	0.00	$ 751.73	Best	Best	0	$ 45.37	6.42%						
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 394.33	$ 400.53	$ 814.59	$ 23.06	0.00	$ 823.92	-	-	0	-	-						
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 29.74	$ 35.74	0%	$ -	1.00	$ -	$ -	$ 371.58	$ 379.24	$ 786.56	$ 49.95	0.00	$ 806.76	-	-	0	-	-						
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 541.94	$ 322.45	$ 864.39	$ -	0.00	$ 864.39	-	-	0	-	-						
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 553.15	$ 319.41	$ 872.56	$ -	0.00	$ 872.56	-	-	0	-	-						
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 436.58	$ 438.05	$ 889.88	$ -	0.00	$ 889.88	-	-	0	-	-						
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 49.60	$ 55.60	0%	$ -	1.15	$ -	$ -	$ 458.60	$ 374.17	$ 888.37	$ 83.31	0.00	$ 922.08	-	-	0	-	-						
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 84.89	$ 90.89	0%	$ -	1.00	$ -	$ -	$ 366.17	$ 376.19	$ 833.25	$ 142.57	0.00	$ 890.94	Best	Best	0	$ 57.68	6.92%						
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 49.60	$ 55.60	0%	$ -	1.00	$ -	$ -	$ 433.33	$ 429.94	$ 918.87	$ 83.31	0.00	$ 952.58	-	-	0	-	-						
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.00	0%	$ -	1.00	$ -	$ -	$ 530.83	$ 430.95	$ 967.78	$ -	0.00	$ 967.78	-	-	0	-	-						
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 678.98	$ 382.28	$ 1,061.26	$ -	0.00	$ 1,061.26	-	-	0	-	-						
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 647.83	$ 377.21	$ 1,025.04	$ -	0.00	$ 1,025.04	-	-	0	-	-						
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 487.50	$ 464.41	$ 967.16	$ -	0.00	$ 967.16	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 89.54	$ 95.54	0%	$ -	1.00	$ -	$ -	$ 475.58	$ 477.59	$ 1,048.71	$ 150.37	0.00	$ 1,109.55	Best	Best	0	$ 60.84	5.80%						
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 35.93	$ 55.93	0%	$ -	1.00	$ -	$ -	$ 527.58	$ 501.93	$ 1,085.45	$ 60.35	0.00	$ 1,109.86	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 49.02	$ 63.02	0%	$ -	1.00	$ -	$ -	$ 524.33	$ 497.87	$ 1,085.23	$ 82.33	0.00	$ 1,118.53	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	0%	$ -	1.15	$ -	$ -	$ 745.01	$ 480.64	$ 1,257.64	$ -	0.00	$ 1,257.64	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 18.37	$ 56.37	0%	$ -	1.00	$ -	$ -	$ 531.92	$ 524.24	$ 1,112.53	$ 30.86	0.00	$ 1,125.01	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 4.64	$ 57.89	0%	$ -	1.00	$ -	$ -	$ 575.25	$ 561.76	$ 1,194.90	$ 7.80	0.00	$ 1,198.05	-	-	0	-	-						
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 32.25	$ 87.30	0%	$ -	1.00	$ -	$ -	$ 195.00	$ 180.49	$ 462.79	$ 54.16	0.00	$ 484.71	Best	Best	0	$ 21.91	4.73%						
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 4.64	$ 59.69	0%	$ -	1.15	$ -	$ -	$ 370.01	$ 180.49	$ 610.20	$ 7.80	0.00	$ 613.35	-	-	0	-	-						
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 56.52	$ 111.57	0%	$ -	1.00	$ -	$ -	$ 193.92	$ 185.56	$ 491.05	$ 94.92	0.00	$ 529.45	-	-	0	-	-						
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 8.74	$ 79.04	0%	$ -	1.15	$ -	$ -	$ 317.69	$ 189.62	$ 586.35	$ 14.68	0.00	$ 592.29	-	-	0	-	-						
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 32.25	$ 202.30	0%	$ -	1.00	$ -	$ -	$ 199.33	$ 180.49	$ 582.13	$ 54.16	0.00	$ 604.04	-	-	0	-	-						
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 68.78	$ 123.83	0%	$ -	1.15	$ -	$ -	$ 361.29	$ 181.51	$ 666.63	$ 139.35	0.00	$ 737.20	-	-	0	-	-						
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 96.39	$ 151.44	0%	$ -	1.00	$ -	$ -	$ 192.83	$ 185.56	$ 529.84	$ 185.72	0.00	$ 619.16	-	-	0	-	-						
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 24.54	$ 94.84	0%	$ -	1.00	$ -	$ -	$ 198.25	$ 190.63	$ 483.72	$ 41.21	0.00	$ 500.39	Best	Best	0	$ 16.67	3.45%						
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 32.25	$ 32.25	0%	$ -	1.00	$ -	$ -	$ 178.75	$ 163.25	$ 374.26	$ 54.16	0.00	$ 396.17	Best	Best	0	$ 21.91	5.86%						
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 318.50	$ 275.81	$ 594.31	$ -	0.00	$ 594.31	-	-	0	-	-						
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 71.16	$ 71.16	0%	$ -	1.00	$ -	$ -	$ 273.00	$ 295.07	$ 639.24	$ 119.52	0.00	$ 687.59	Best	Best	0	$ 48.35	7.56%						
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 351.00	$ 340.70	$ 691.70	$ -	0.00	$ 691.70	-	-	0	-	-						
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 433.55	$ 281.89	$ 715.44	$ -	0.00	$ 715.44	-	-	0	-	-						
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 29.10	$ 29.10	0%	$ -	1.00	$ -	$ -	$ 165.75	$ 150.07	$ 344.92	$ 48.87	0.00	$ 364.69	Best	Best	0	$ 19.77	5.73%						
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 2.22	$ 2.22	0%	$ -	1.00	$ -	$ -	$ 6,563.92	$ 158.18	$ 6,724.32	$ 3.73	0.00	$ 6,725.83	-	-	0	-	-						
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 325.00	$ 315.35	$ 662.85	$ -	0.00	$ 662.85	-	-	0	-	-						
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 83.73	$ 83.73	0%	$ -	1.00	$ -	$ -	$ 356.42	$ 375.18	$ 815.32	$ 140.61	0.00	$ 872.21	-	-	0	-	-						
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 16.01	$ 38.51	0%	$ -	1.00	$ -	$ -	$ 345.58	$ 339.69	$ 723.78	$ 26.89	0.00	$ 734.66	Best	Best	0	$ 10.88	1.50%						
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 353.17	$ 359.97	$ 735.64	$ -	0.00	$ 735.64	-	-	0	-	-						
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 101.84	$ 101.84	0%	$ -	1.00	$ -	$ -	$ 418.17	$ 440.08	$ 960.08	$ 171.03	0.00	$ 1,029.27	-	-	0	-	-						
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 34.12	$ 56.62	0%	$ -	1.00	$ -	$ -	$ 424.67	$ 405.60	$ 886.89	$ 57.30	0.00	$ 910.07	-	-	0	-	-						
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 409.50	$ 385.32	$ 817.32	$ -	0.00	$ 817.32	Best	Best	0	$ -	0.00%						
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 28.28	$ 28.28	0%	$ -	1.00	$ -	$ -	$ 167.92	$ 164.27	$ 360.46	$ 47.49	0.00	$ 379.68	Best	Best	0	$ 19.21	5.33%						
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 239.42	$ 209.90	$ 449.31	$ -	0.00	$ 449.31	-	-	0	-	-						
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3

Value of Time $/h = 75

Class 5H Vehicles Paying with a Non-NY E-ZPass

						Additional Route Detail				Toll Rates		Impact Factors											Cost/h VOT = >>	$ 75.00	Impacts on Drivers								
																							Cost/mile	$ 1.01	Value of Time $/h = 75								
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %							
			hours	minutes																													
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 478.75	$ 355.91	$ 863.24	$ 23.06	0.00	$ 872.57	-	Best	1	$ 16.00	1.85%							
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 47.33	$ 62.18	0%	$ -	1.00	$ -	$ -	$ 421.25	$ 373.15	$ 856.58	$ 79.48	0.00	$ 888.73	Best	-	1	-	-							
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 475.00	$ 396.47	$ 900.05	$ 23.06	0.00	$ 909.38	-	-	0	-	-							
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 470.00	$ 412.70	$ 911.28	$ 23.06	0.00	$ 920.61	-	-	0	-	-							
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 587.94	$ 332.59	$ 923.68	$ -	0.00	$ 923.68	-	-	0	-	-							
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 708.69	$ 369.10	$ 1,080.93	$ -	0.00	$ 1,080.93	-	-	0	-	-							
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 513.75	$ 443.12	$ 977.22	$ -	0.00	$ 977.22	-	-	0	-	-							
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.15	$ -	$ -	$ 530.35	$ 341.72	$ 900.65	$ 23.06	0.00	$ 909.98	-	-	0	-	-							
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 460.00	$ 399.52	$ 888.10	$ 23.06	0.00	$ 897.43	-	-	0	-	-							
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 49.02	$ 63.87	0%	$ -	1.00	$ -	$ -	$ 386.25	$ 351.86	$ 801.98	$ 82.33	0.00	$ 835.28	Best	-	1	-	-							
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 526.13	$ 295.07	$ 824.35	$ -	0.00	$ 824.35	-	Best	1	$ 22.37	2.71%							
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 579.31	$ 328.54	$ 911.00	$ -	0.00	$ 911.00	-	-	0	-	-							
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 698.63	$ 353.89	$ 1,055.66	$ -	0.00	$ 1,055.66	-	-	0	-	-							
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 69.76	$ 84.61	0%	$ -	1.00	$ -	$ -	$ 496.25	$ 441.09	$ 1,021.95	$ 117.16	0.00	$ 1,069.35	Best	Best	0	$ 47.40	4.64%							
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 31.49	$ 46.34	0%	$ -	1.00	$ -	$ -	$ 565.00	$ 504.97	$ 1,116.31	$ 52.89	0.00	$ 1,137.71	-	-	0	-	-							
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73		0%	$ -	1.00	$ -	$ -	$ 591.25	$ 525.25	$ 1,116.50	$ 23.06	0.00	$ 1,154.41	-	-	0	-	-							
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 835.19	$ 444.13	$ 1,282.47	$ -	0.00	$ 1,282.47	-	-	0	-	-							
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 694.31	$ 389.38	$ 1,083.69	$ -	0.00	$ 1,083.69	-	-	0	-	-							
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 628.75	$ 551.62	$ 1,200.72	$ -	0.00	$ 1,200.72	-	-	0	-	-							
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 84.89	$ 99.74	0%	$ -	1.00	$ -	$ -	$ 552.50	$ 496.86	$ 1,149.10	$ 142.57	0.00	$ 1,206.78	Best	Best	0	$ 57.68	5.02%							
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 657.50	$ 548.57	$ 1,234.65	$ 23.06	0.00	$ 1,243.98	-	-	0	-	-							
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 812.19	$ 447.17	$ 1,259.36	$ -	0.00	$ 1,259.36	-	-	0	-	-							
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 697.50	$ 577.98	$ 1,295.83	$ -	0.00	$ 1,295.83	-	-	0	-	-							
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 712.50	$ 592.18	$ 1,325.03	$ -	0.00	$ 1,325.03	-	-	0	-	-							
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 89.54	$ 104.39	0%	$ -	1.00	$ -	$ -	$ 663.75	$ 594.20	$ 1,362.34	$ 150.37	0.00	$ 1,423.18	-	-	0	-	-							
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 35.93	$ 64.78	0%	$ -	1.00	$ -	$ -	$ 738.75	$ 625.64	$ 1,429.17	$ 60.35	0.00	$ 1,453.58	-	-	0	-	-							
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 60.58	0%	$ -	1.00	$ -	$ -	$ 753.75	$ 642.88	$ 1,457.21	$ 23.06	0.00	$ 1,466.54	-	-	0	-	-							
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.15	0%	$ -	1.00	$ -	$ -	$ 707.50	$ 617.53	$ 1,328.18	$ -	0.00	$ 1,328.18	Best	Best	0	$ -	0.00%							
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 52.35	0%	$ -	1.00	$ -	$ -	$ 812.50	$ 678.37	$ 1,543.22	$ -	0.00	$ 1,543.22	-	-	0	-	-							
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 364.96	$ 235.25	$ 619.94	$ 23.06	0.00	$ 629.26	-	-	0	-	-							
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 47.33	$ 53.33	0%	$ -	1.00	$ -	$ -	$ 286.25	$ 253.50	$ 593.08	$ 79.48	0.00	$ 625.23	Best	Best	0	$ 32.15	5.42%							
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 352.50	$ 280.88	$ 653.11	$ 23.06	0.00	$ 662.44	-	-	0	-	-							
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 338.75	$ 288.99	$ 647.47	$ 23.06	0.00	$ 656.80	-	-	0	-	-							
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 465.75	$ 245.39	$ 711.14	$ -	0.00	$ 711.14	-	-	0	-	-							
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 480.13	$ 241.33	$ 721.46	$ -	0.00	$ 721.46	-	-	0	-	-							
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 437.00	$ 239.30	$ 676.30	$ -	0.00	$ 676.30	-	-	0	-	-							
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 392.50	$ 330.56	$ 738.31	$ -	0.00	$ 738.31	-	-	0	-	-							
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 353.13	$ 221.05	$ 593.92	$ 23.06	0.00	$ 603.24	-	-	0	-	-							
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 49.02	$ 55.02	0%	$ -	1.00	$ -	$ -	$ 263.75	$ 232.21	$ 550.98	$ 82.33	0.00	$ 584.28	Best	Best	0	$ 33.31	6.04%							
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 345.00	$ 283.92	$ 648.65	$ 23.06	0.00	$ 657.98	-	-	0	-	-							
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 331.25	$ 292.03	$ 643.01	$ 23.06	0.00	$ 652.34	-	-	0	-	-							
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 454.25	$ 231.19	$ 685.44	$ -	0.00	$ 685.44	-	-	0	-	-							
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 468.63	$ 227.14	$ 695.76	$ -	0.00	$ 695.76	-	-	0	-	-							
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 503.13	$ 288.99	$ 792.12	$ -	0.00	$ 792.12	-	-	0	-	-							
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329		Exit 6 to NYSTA		0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 385.00	$ 333.61	$ 733.86	$ -	0.00	$ 733.86	-	-	0	-	-							
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 541.05	$ 323.47	$ 884.25	$ 23.06	0.00	$ 893.58	-	-	0	-	-							
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 66.78	$ 72.78	0%	$ -	1.00	$ -	$ -	$ 362.50	$ 319.41	$ 754.69	$ 112.16	0.00	$ 800.07	Best	Best	0	$ 45.37	6.01%							
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 455.00	$ 400.53	$ 875.26	$ 23.06	0.00	$ 884.59	-	-	0	-	-							
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 29.74	$ 35.74	0%	$ -	1.00	$ -	$ -	$ 428.75	$ 379.24	$ 843.73	$ 49.95	0.00	$ 863.93	-	-	0	-	-							
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 625.31	$ 322.45	$ 947.76	$ -	0.00	$ 947.76	-	-	0	-	-							
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 638.25	$ 319.41	$ 957.66	$ -	0.00	$ 957.66	-	-	0	-	-							
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 503.75	$ 438.05	$ 957.05	$ -	0.00	$ 957.05	-	-	0	-	-							
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 49.60	$ 55.60	0%	$ -	1.15	$ -	$ -	$ 529.16	$ 374.17	$ 958.93	$ 83.31	0.00	$ 992.63	-	-	0	-	-							
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 84.89	$ 90.89	0%	$ -	1.00	$ -	$ -	$ 422.50	$ 376.19	$ 889.59	$ 142.57	0.00	$ 947.27	Best	Best	0	$ 57.68	6.48%							
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 49.60	$ 55.60	0%	$ -	1.00	$ -	$ -	$ 500.00	$ 429.94	$ 985.54	$ 83.31	0.00	$ 1,019.24	-	-	0	-	-							
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.00	0%	$ -	1.00	$ -	$ -	$ 612.50	$ 430.95	$ 1,049.45	$ -	0.00	$ 1,049.45	-	-	0	-	-							
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 783.44	$ 382.28	$ 1,165.72	$ -	0.00	$ 1,165.72	-	-	0	-	-							
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 747.50	$ 377.21	$ 1,124.71	$ -	0.00	$ 1,124.71	-	-	0	-	-							
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 562.50	$ 464.41	$ 1,042.16	$ -	0.00	$ 1,042.16	-	-	0	-	-							
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 89.54	$ 95.54	0%	$ -	1.00	$ -	$ -	$ 548.75	$ 477.59	$ 1,121.88	$ 150.37	0.00	$ 1,182.72	Best	Best	0	$ 60.84	5.42%							
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 35.93	$ 55.93	0%	$ -	1.00	$ -	$ -	$ 608.75	$ 501.93	$ 1,166.61	$ 60.35	0.00	$ 1,191.03	-	-	0	-	-							
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 49.02	$ 63.02	0%	$ -	1.00	$ -	$ -	$ 605.00	$ 497.87	$ 1,165.89	$ 82.33	0.00	$ 1,199.20	-	-	0	-	-							
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	0%	$ -	1.15	$ -	$ -	$ 859.63	$ 480.64	$ 1,372.26	$ -	0.00	$ 1,372.26	-	-	0	-	-							
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 18.37	$ 56.37	0%	$ -	1.00	$ -	$ -	$ 613.75	$ 524.24	$ 1,194.36	$ 30.86	0.00	$ 1,206.85	-	-	0	-	-							
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 4.64	$ 57.89	0%	$ -	1.00	$ -	$ -	$ 663.75	$ 561.76	$ 1,283.40	$ 7.80	0.00	$ 1,286.55	-	-	0	-	-							
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 32.25	$ 87.30	0%	$ -	1.00	$ -	$ -	$ 225.00	$ 180.49	$ 492.79	$ 54.16	0.00	$ 514.71	Best	Best	0	$ 21.91	4.45%							
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 4.64	$ 59.69	0%	$ -	1.15	$ -	$ -	$ 426.94	$ 180.49	$ 667.12	$ 7.80	0.00	$ 670.28	-	-	0	-	-							
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 56.52	$ 111.57	0%	$ -	1.00	$ -	$ -	$ 223.75	$ 185.56	$ 520.88	$ 94.92	0.00	$ 559.28	-	-	0	-	-							
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 8.74	$ 79.04	0%	$ -	1.15	$ -	$ -	$ 366.56	$ 189.62	$ 635.22	$ 14.68	0.00	$ 641.16	-	-	0	-	-							
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 32.25	$ 202.30	0%	$ -	1.00	$ -	$ -	$ 230.00	$ 180.49	$ 612.79	$ 54.16	0.00	$ 634.71	-	-	0	-	-							
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 68.78	$ 123.83	0%	$ -	1.15	$ -	$ -	$ 416.88	$ 181.51	$ 722.21	$ 139.35	0.00	$ 792.78	-	-	0	-	-							
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 96.39	$ 151.44	0%	$ -	1.00	$ -	$ -	$ 222.50	$ 185.56	$ 559.50	$ 185.72	0.00	$ 648.83	-	-	0	-	-							
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 24.54	$ 94.84	0%	$ -	1.00	$ -	$ -	$ 228.75	$ 190.63	$ 514.22	$ 41.21	0.00	$ 530.89	Best	Best	0	$ 16.67	3.24%							
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 32.25	$ 32.25	0%	$ -	1.00	$ -	$ -	$ 206.25	$ 163.25	$ 401.76	$ 54.16	0.00	$ 423.67	Best	Best	0	$ 21.91	5.45%							
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 367.50	$ 275.81	$ 643.31	$ -	0.00	$ 643.31	-	-	0	-	-							
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 71.16	$ 71.16	0%	$ -	1.00	$ -	$ -	$ 315.00	$ 295.07	$ 681.24	$ 119.52	0.00	$ 729.59	Best	Best	0	$ 48.35	7.10%							
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 405.00	$ 340.70	$ 745.70	$ -	0.00	$ 745.70	-	-	0	-	-							
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 500.25	$ 281.89	$ 782.14	$ -	0.00	$ 782.14	-	-	0	-	-							
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 29.10	$ 29.10	0%	$ -	1.00	$ -	$ -	$ 191.25	$ 150.07	$ 370.42	$ 48.87	0.00	$ 390.19	Best	Best	0	$ 19.77	5.34%							
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 2.22	$ 2.22	0%	$ -	1.00	$ -	$ -	$ 7,573.75	$ 158.18	$ 7,734.15	$ 3.73	0.00	$ 7,735.66	-	-	0	-	-							
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 375.00	$ 315.35	$ 712.85	$ -	0.00	$ 712.85	-	-	0	-	-							
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 83.73	$ 83.73	0%	$ -	1.00	$ -	$ -	$ 411.25	$ 375.18	$ 870.16	$ 140.61	0.00	$ 927.04	-	-	0	-	-							
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 16.01	$ 38.51	0%	$ -	1.00	$ -	$ -	$ 398.75	$ 339.69	$ 776.95	$ 26.89	0.00	$ 787.83	Best	Best	0	$ 10.88	1.40%							
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 407.50	$ 359.97	$ 789.97	$ -	0.00	$ 789.97	-	-	0	-	-							
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 101.84	$ 101.84	0%	$ -	1.00	$ -	$ -	$ 482.50	$ 440.08	$ 1,024.41	$ 171.03	0.00	$ 1,093.61	-	-	0	-	-							
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 34.12	$ 56.62	0%	$ -	1.00	$ -	$ -	$ 490.00	$ 405.60	$ 952.22	$ 57.30	0.00	$ 975.40	-	-	0	-	-							
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 472.50	$ 385.32	$ 880.32	$ -	0.00	$ 880.32	Best	Best	0	$ -	0.00%							
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 28.28	$ 28.28	0%	$ -	1.00	$ -	$ -	$ 193.75	$ 164.27	$ 386.30	$ 47.49	0.00	$ 405.51	Best	Best	0	$ 19.21	4.97%							
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0

Value of Time $/h = 85

Class 5H Vehicles Paying with a Non-NY E-ZPass

						Additional Route Detail				Toll Rates		Impact Factors											Cost/h VOT = >>	$ 85.00	Impacts on Drivers							
																							Cost/mile	$ 1.01	Value of Time $/h = 85							
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %						
			hours	minutes																												
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 542.58	$ 355.91	$ 927.08	$ 23.06	0.00	$ 936.41	-	Best	1	$ 23.66	2.55%						
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 47.33	$ 62.18	0%	$ -	1.00	$ -	$ -	$ 477.42	$ 373.15	$ 912.74	$ 79.48	0.00	$ 944.90	Best	-	1	-	-						
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 538.33	$ 396.47	$ 963.39	$ 23.06	0.00	$ 972.72	-	-	0	-	-						
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 532.67	$ 412.70	$ 973.94	$ 23.06	0.00	$ 983.27	-	-	0	-	-						
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 666.33	$ 332.59	$ 1,002.07	$ -	0.00	$ 1,002.07	-	-	0	-	-						
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 803.18	$ 369.10	$ 1,175.43	$ -	0.00	$ 1,175.43	-	-	0	-	-						
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 582.25	$ 443.12	$ 1,045.72	$ -	0.00	$ 1,045.72	-	-	0	-	-						
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.15	$ -	$ -	$ 601.07	$ 341.72	$ 971.37	$ 23.06	0.00	$ 980.69	-	-	0	-	-						
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 521.33	$ 399.52	$ 949.43	$ 23.06	0.00	$ 958.76	-	-	0	-	-						
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 49.02	$ 63.87	0%	$ -	1.00	$ -	$ -	$ 437.75	$ 351.86	$ 853.48	$ 82.33	0.00	$ 886.78	Best	Best	0	$ 33.31	3.90%						
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 596.28	$ 295.07	$ 894.50	$ -	0.00	$ 894.50	-	-	0	-	-						
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 656.55	$ 328.54	$ 988.24	$ -	0.00	$ 988.24	-	-	0	-	-						
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 791.78	$ 353.89	$ 1,148.81	$ -	0.00	$ 1,148.81	-	-	0	-	-						
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 69.76	$ 84.61	0%	$ -	1.00	$ -	$ -	$ 562.42	$ 441.09	$ 1,088.12	$ 117.16	0.00	$ 1,135.52	Best	Best	0	$ 47.40	4.36%						
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 31.49	$ 46.34	0%	$ -	1.00	$ -	$ -	$ 640.33	$ 504.97	$ 1,191.65	$ 52.89	0.00	$ 1,213.04	-	-	0	-	-						
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73		0%	$ -	1.00	$ -	$ -	$ 670.08	$ 525.25	$ 1,195.34	$ 23.06	0.00	$ 1,233.24	-	-	0	-	-						
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.15	0%	$ -	1.15	$ -	$ -	$ 946.55	$ 444.13	$ 1,393.83	$ -	0.00	$ 1,393.83	-	-	0	-	-						
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 786.89	$ 389.38	$ 1,176.26	$ -	0.00	$ 1,176.26	-	-	0	-	-						
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 712.58	$ 551.62	$ 1,284.55	$ -	0.00	$ 1,284.55	-	-	0	-	-						
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 84.89	$ 99.74	0%	$ -	1.00	$ -	$ -	$ 626.17	$ 496.86	$ 1,222.77	$ 142.57	0.00	$ 1,280.45	Best	Best	0	$ 57.68	4.72%						
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 28.58	0%	$ -	1.00	$ -	$ -	$ 745.17	$ 548.57	$ 1,322.32	$ 23.06	0.00	$ 1,331.65	-	-	0	-	-						
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 920.48	$ 447.17	$ 1,367.65	$ -	0.00	$ 1,367.65	-	-	0	-	-						
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 790.50	$ 577.98	$ 1,388.83	$ -	0.00	$ 1,388.83	-	-	0	-	-						
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 20.35	0%	$ -	1.00	$ -	$ -	$ 807.50	$ 592.18	$ 1,420.03	$ -	0.00	$ 1,420.03	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 89.54	$ 104.39	0%	$ -	1.00	$ -	$ -	$ 752.25	$ 594.20	$ 1,450.84	$ 150.37	0.00	$ 1,511.68	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 35.93	$ 64.78	0%	$ -	1.00	$ -	$ -	$ 837.25	$ 625.64	$ 1,527.67	$ 60.35	0.00	$ 1,552.08	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 13.73	$ 60.58	0%	$ -	1.00	$ -	$ -	$ 854.25	$ 642.88	$ 1,557.71	$ 23.06	0.00	$ 1,567.04	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.15	0%	$ -	1.00	$ -	$ -	$ 801.83	$ 617.53	$ 1,422.51	$ -	0.00	$ 1,422.51	Best	Best	0	$ -	0.00%						
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 52.35	0%	$ -	1.00	$ -	$ -	$ 920.83	$ 678.37	$ 1,651.55	$ -	0.00	$ 1,651.55	-	-	0	-	-						
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 413.62	$ 235.25	$ 668.60	$ 23.06	0.00	$ 677.93	-	-	0	-	-						
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 47.33	$ 53.33	0%	$ -	1.00	$ -	$ -	$ 324.42	$ 253.50	$ 631.24	$ 79.48	0.00	$ 663.40	Best	Best	0	$ 32.15	5.09%						
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 399.50	$ 280.88	$ 700.11	$ 23.06	0.00	$ 709.44	-	-	0	-	-						
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 383.92	$ 288.99	$ 692.64	$ 23.06	0.00	$ 701.97	-	-	0	-	-						
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 527.85	$ 245.39	$ 773.24	$ -	0.00	$ 773.24	-	-	0	-	-						
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 544.14	$ 241.33	$ 785.47	$ -	0.00	$ 785.47	-	-	0	-	-						
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 495.27	$ 239.30	$ 734.57	$ -	0.00	$ 734.57	-	-	0	-	-						
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 444.83	$ 330.56	$ 790.65	$ -	0.00	$ 790.65	-	-	0	-	-						
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 400.22	$ 221.05	$ 641.00	$ 23.06	0.00	$ 650.33	-	-	0	-	-						
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 49.02	$ 55.02	0%	$ -	1.00	$ -	$ -	$ 298.92	$ 232.21	$ 586.14	$ 82.33	0.00	$ 619.45	Best	Best	0	$ 33.31	5.68%						
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 391.00	$ 283.92	$ 694.65	$ 23.06	0.00	$ 703.98	-	-	0	-	-						
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 375.42	$ 292.03	$ 687.18	$ 23.06	0.00	$ 696.51	-	-	0	-	-						
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 514.82	$ 231.19	$ 746.01	$ -	0.00	$ 746.01	-	-	0	-	-						
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 531.11	$ 227.14	$ 758.24	$ -	0.00	$ 758.24	-	-	0	-	-						
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 570.21	$ 288.99	$ 859.20	$ -	0.00	$ 859.20	-	-	0	-	-						
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 436.33	$ 333.61	$ 785.19	$ -	0.00	$ 785.19	-	-	0	-	-						
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.15	$ -	$ -	$ 613.19	$ 323.47	$ 956.39	$ 23.06	0.00	$ 965.72	-	-	0	-	-						
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 66.78	$ 72.78	0%	$ -	1.00	$ -	$ -	$ 410.83	$ 319.41	$ 803.03	$ 112.16	0.00	$ 848.40	Best	Best	0	$ 45.37	5.65%						
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 13.73	$ 19.73	0%	$ -	1.00	$ -	$ -	$ 515.67	$ 400.53	$ 935.93	$ 23.06	0.00	$ 945.26	-	-	0	-	-						
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 29.74	$ 35.74	0%	$ -	1.00	$ -	$ -	$ 485.92	$ 379.24	$ 900.89	$ 49.95	0.00	$ 921.10	-	-	0	-	-						
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 708.69	$ 322.45	$ 1,031.14	$ -	0.00	$ 1,031.14	-	-	0	-	-						
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 723.35	$ 319.41	$ 1,042.76	$ -	0.00	$ 1,042.76	-	-	0	-	-						
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 570.92	$ 438.05	$ 1,024.21	$ -	0.00	$ 1,024.21	-	-	0	-	-						
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 49.60	$ 55.60	0%	$ -	1.15	$ -	$ -	$ 599.71	$ 374.17	$ 1,029.48	$ 83.31	0.00	$ 1,063.18	-	-	0	-	-						
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 84.89	$ 90.89	0%	$ -	1.00	$ -	$ -	$ 478.83	$ 376.19	$ 945.92	$ 142.57	0.00	$ 1,003.60	Best	Best	0	$ 57.68	6.10%						
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 49.60	$ 55.60	0%	$ -	1.00	$ -	$ -	$ 566.67	$ 429.94	$ 1,052.21	$ 83.31	0.00	$ 1,085.91	-	-	0	-	-						
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.00	0%	$ -	1.00	$ -	$ -	$ 694.17	$ 430.95	$ 1,131.12	$ -	0.00	$ 1,131.12	-	-	0	-	-						
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 887.90	$ 382.28	$ 1,270.17	$ -	0.00	$ 1,270.17	-	-	0	-	-						
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 847.17	$ 377.21	$ 1,224.37	$ -	0.00	$ 1,224.37	-	-	0	-	-						
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 15.25	0%	$ -	1.00	$ -	$ -	$ 637.50	$ 464.41	$ 1,117.16	$ -	0.00	$ 1,117.16	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 89.54	$ 95.54	0%	$ -	1.00	$ -	$ -	$ 621.92	$ 477.59	$ 1,195.05	$ 150.37	0.00	$ 1,255.88	Best	Best	0	$ 60.84	5.09%						
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 35.93	$ 55.93	0%	$ -	1.00	$ -	$ -	$ 689.92	$ 501.93	$ 1,247.78	$ 60.35	0.00	$ 1,272.19	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 49.02	$ 63.02	0%	$ -	1.00	$ -	$ -	$ 685.67	$ 497.87	$ 1,246.56	$ 82.33	0.00	$ 1,279.87	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	0%	$ -	1.15	$ -	$ -	$ 974.24	$ 480.64	$ 1,486.88	$ -	0.00	$ 1,486.88	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 18.37	$ 56.37	0%	$ -	1.00	$ -	$ -	$ 695.58	$ 524.24	$ 1,276.19	$ 30.86	0.00	$ 1,288.68	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 4.64	$ 57.89	0%	$ -	1.00	$ -	$ -	$ 752.25	$ 561.76	$ 1,371.90	$ 7.80	0.00	$ 1,375.05	-	-	0	-	-						
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 32.25	$ 87.30	0%	$ -	1.00	$ -	$ -	$ 255.00	$ 180.49	$ 522.79	$ 54.16	0.00	$ 544.71	Best	Best	0	$ 21.91	4.19%						
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 4.64	$ 59.69	0%	$ -	1.15	$ -	$ -	$ 483.86	$ 180.49	$ 724.05	$ 7.80	0.00	$ 727.20	-	-	0	-	-						
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 56.52	$ 111.57	0%	$ -	1.00	$ -	$ -	$ 253.58	$ 185.56	$ 550.71	$ 94.92	0.00	$ 589.12	-	-	0	-	-						
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 8.74	$ 79.04	0%	$ -	1.15	$ -	$ -	$ 415.44	$ 189.62	$ 684.10	$ 14.68	0.00	$ 690.04	-	-	0	-	-						
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 32.25	$ 202.30	0%	$ -	1.00	$ -	$ -	$ 260.67	$ 180.49	$ 643.46	$ 54.16	0.00	$ 665.37	-	-	0	-	-						
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 68.78	$ 123.83	0%	$ -	1.15	$ -	$ -	$ 472.46	$ 181.51	$ 777.80	$ 139.35	0.00	$ 848.37	-	-	0	-	-						
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 96.39	$ 151.44	0%	$ -	1.00	$ -	$ -	$ 252.17	$ 185.56	$ 589.17	$ 185.72	0.00	$ 678.50	-	-	0	-	-						
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 24.54	$ 94.84	0%	$ -	1.00	$ -	$ -	$ 259.25	$ 190.63	$ 544.72	$ 41.21	0.00	$ 561.39	Best	Best	0	$ 16.67	3.06%						
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 32.25	$ 32.25	0%	$ -	1.00	$ -	$ -	$ 233.75	$ 163.25	$ 429.26	$ 54.16	0.00	$ 451.17	Best	Best	0	$ 21.91	5.10%						
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 416.50	$ 275.81	$ 692.31	$ -	0.00	$ 692.31	-	-	0	-	-						
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 71.16	$ 71.16	0%	$ -	1.00	$ -	$ -	$ 357.00	$ 295.07	$ 723.24	$ 119.52	0.00	$ 771.59	Best	Best	0	$ 48.35	6.69%						
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 459.00	$ 340.70	$ 799.70	$ -	0.00	$ 799.70	-	-	0	-	-						
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 566.95	$ 281.89	$ 848.84	$ -	0.00	$ 848.84	-	-	0	-	-						
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 29.10	$ 29.10	0%	$ -	1.00	$ -	$ -	$ 216.75	$ 150.07	$ 395.92	$ 48.87	0.00	$ 415.69	Best	Best	0	$ 19.77	4.99%						
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 2.22	$ 2.22	0%	$ -	1.00	$ -	$ -	$ 8,583.58	$ 158.18	$ 8,743.99	$ 3.73	0.00	$ 8,745.50	-	-	0	-	-						
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 425.00	$ 315.35	$ 762.85	$ -	0.00	$ 762.85	-	-	0	-	-						
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 83.73	$ 83.73	0%	$ -	1.00	$ -	$ -	$ 466.08	$ 375.18	$ 924.99	$ 140.61	0.00	$ 981.88	-	-	0	-	-						
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 16.01	$ 38.51	0%	$ -	1.00	$ -	$ -	$ 451.92	$ 339.69	$ 830.12	$ 26.89	0.00	$ 840.99	Best	Best	0	$ 10.88	1.31%						
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 461.83	$ 359.97	$ 844.30	$ -	0.00	$ 844.30	-	-	0	-	-						
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 101.84	$ 101.84	0%	$ -	1.00	$ -	$ -	$ 546.83	$ 440.08	$ 1,088.75	$ 171.03	0.00	$ 1,157.94	-	-	0	-	-						
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 34.12	$ 56.62	0%	$ -	1.00	$ -	$ -	$ 555.33	$ 405.60	$ 1,017.55	$ 57.30	0.00	$ 1,040.74	-	-	0	-	-						
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 22.50	0%	$ -	1.00	$ -	$ -	$ 535.50	$ 385.32	$ 943.32	$ -	0.00	$ 943.32	Best	Best	0	$ -	0.00%						
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 28.28	$ 28.28	0%	$ -	1.00	$ -	$ -	$ 219.58	$ 164.27	$ 412.13	$ 47.49	0.00	$ 431.34	Best	Best	0	$ 19.21	4.66%						
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 313.08	$ 209.90	$ 522.98	$ -	0.00	$ 522.98	-

Best Route Choice Analysis Results

Class 5H **Tolls By Mail**

			Impacts on Drivers as a Function of Value of Time																	
			Value of time $/h = 30			Value of time $/h = 40			Value of time $/h = 50			Value of time $/h = 65			Value of time $/h = 75			Value of time $/h = 85		
Origin	Destination	Route	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes	Best (Base)	Best (New)	Route Changes
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	-	-	0	Best	-	1	Best	Best	0	Best	Best	0	-	Best	1	-	Best	1
Manchester, NH	Skaneateles	I-90 (Exit 34A)	-	-	0	-	-	0	-	-	0	-	-	0	Best	-	1	Best	-	1
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	Best	Best	0	-	Best	1	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	US-20 (from w of Boston)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	I-90 (Exit 36)	-	-	0	-	-	0	-	-	0	-	-	0	Best	-	1	Best	Best	0
Manchester, NH	Syracuse	VT-9 and US-20	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	-	Best	1	-	-	0
Manchester, NH	Syracuse	MA-2 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Syracuse	US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	I-90 (Exit 46)	-	-	0	-	-	0	-	-	0	Best	-	1	Best	Best	0	Best	Best	0
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Rochester	VT-9, US-20, NY 104	Best	Best	0	Best	Best	0	Best	Best	0	-	Best	1	-	-	0	-	-	0
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-90 (Exit 51)	-	-	0	-	-	0	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	US - 20(VT-9)	Best	Best	0	Best	Best	0	-	Best	1	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	Best	Best	0	Best	Best	0	Best	Best	0	-	Best	1	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90	-	-	0	-	-	0	-	-	0	Best	-	1	Best	Best	0	Best	Best	0
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	Best	Best	0	Best	Best	0	-	Best	1	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-90 (Exit 36)	-	-	0	-	-	0	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	NY-145 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	US-20 (entire route)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	US - 20 and I-88	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	-	Best	1	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-90 (Exit 45)	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	US - 20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	-	Best	1	-	Best	1	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-90	Best	-	1	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	NY-5 and US-20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	US - 20	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	Best	-	1	Best	-	1	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	-	Best	1	-	Best	1	-	Best	1	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Albany	Buffalo	I-90	-	-	0	Best	-	1	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	-	-	0	-	-	0	-	Best	1	-	-	0	-	-	0	-	-	0
Albany	Buffalo	US20	Best	Best	0	-	Best	1	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	Best	-	1	Best	-	1	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	-	Best	1	-	Best	1	-	Best	1	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Rochester	Erie	I-90 (Exit 46 to PA Line)	Best	-	1	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
Rochester	Erie	I390 and I86 (I390,408,19,I86)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	-	Best	1	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I-81(I81,I690,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0
Binghamton	Batavia	I390 (I86,I390,63)	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0	Best	Best	0
				Changes	**5**		**Changes**	**5**		**Changes**	**5**		**Changes**	**2**		**Changes**	**2**		**Changes**	**1**
				Average Delta			**Average Delta**			**Average Delta**			**Average Delta**			**Average Delta**			**Average Delta**	
				$ 9.08	2.20%		$ 11.67	2.42%		$ 14.53	2.65%		$ 20.28	3.09%		$ 22.24	3.13%		$ 23.31	3.07%

Value of Time $/h = 30

Class 5H Vehicles Paying with Tolls by Mail

						Additional Route Detail				Toll Rates		Impact Factors												Cost/h VOT = >>	$ 30.00	Impacts on Drivers						
																								Cost/mile	$ 1.01	Value of Time $/h = 30						
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
			hours	minutes																												
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 191.50	$ 355.91	$ 579.93	$ 23.06	0.00	$ 587.47	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 53.49	$ 70.49	0%	$ -	1.00	$ -	$ -	$ 168.50	$ 373.15	$ 612.14	$ 79.47	0.00	$ 638.12	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 190.00	$ 396.47	$ 618.99	$ 23.06	0.00	$ 626.53	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 188.00	$ 412.70	$ 633.22	$ 23.06	0.00	$ 640.75	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 235.18	$ 332.59	$ 571.27	$ -	0.00	$ 571.27	Best	Best	0	$ -	0.00%
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 283.48	$ 369.10	$ 656.07	$ -	0.00	$ 656.07	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 205.50	$ 443.12	$ 674.37	$ -	0.00	$ 674.37	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.15	$ -	$ -	$ 212.14	$ 341.72	$ 586.38	$ 23.06	0.00	$ 593.92	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 184.00	$ 399.52	$ 616.03	$ 23.06	0.00	$ 623.57	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 55.40	$ 72.40	0%	$ -	1.00	$ -	$ -	$ 154.50	$ 351.86	$ 578.76	$ 82.31	0.00	$ 605.67	-	-	0	-	-
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 210.45	$ 295.07	$ 509.02	$ -	0.00	$ 509.02	Best	Best	0	$ -	0.00%
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 231.73	$ 328.54	$ 563.76	$ -	0.00	$ 563.76	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 279.45	$ 353.89	$ 636.84	$ -	0.00	$ 636.84	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 78.84	$ 95.84	0%	$ -	1.00	$ -	$ -	$ 198.50	$ 441.09	$ 735.43	$ 117.14	0.00	$ 773.73	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 35.59	$ 52.59	0%	$ -	1.00	$ -	$ -	$ 226.00	$ 504.97	$ 783.56	$ 52.88	0.00	$ 800.85	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52		0%	$ -	1.00	$ -	$ -	$ 236.50	$ 525.25	$ 761.75	$ 23.06	0.00	$ 801.81	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 334.08	$ 444.13	$ 781.71	$ -	0.00	$ 781.71	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 277.73	$ 389.38	$ 667.10	$ -	0.00	$ 667.10	Best	Best	0	$ -	0.00%
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 251.50	$ 551.62	$ 828.87	$ -	0.00	$ 828.87	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 95.95	$ 112.95	0%	$ -	1.00	$ -	$ -	$ 221.00	$ 496.86	$ 830.81	$ 142.55	0.00	$ 877.41	-	-	0	-	-
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 263.00	$ 548.57	$ 844.09	$ 23.06	0.00	$ 851.63	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 324.88	$ 447.17	$ 772.05	$ -	0.00	$ 772.05	Best	Best	0	$ -	0.00%
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 279.00	$ 577.98	$ 882.73	$ -	0.00	$ 882.73	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 285.00	$ 592.18	$ 902.93	$ -	0.00	$ 902.93	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 101.19	$ 118.19	0%	$ -	1.00	$ -	$ -	$ 265.50	$ 594.20	$ 977.90	$ 150.35	0.00	$ 1,027.06	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 40.61	$ 71.61	0%	$ -	1.00	$ -	$ -	$ 295.50	$ 625.64	$ 992.75	$ 60.34	0.00	$ 1,012.48	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407)	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 72.52	0%	$ -	1.00	$ -	$ -	$ 301.50	$ 642.88	$ 1,016.89	$ 23.06	0.00	$ 1,024.43	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.50	0%	$ -	1.00	$ -	$ -	$ 283.00	$ 617.53	$ 904.03	$ -	0.00	$ 904.03	Best	Best	0	$ -	0.00%
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 65.75	0%	$ -	1.00	$ -	$ -	$ 325.00	$ 678.37	$ 1,069.12	$ -	0.00	$ 1,069.12	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 145.98	$ 235.25	$ 403.65	$ 23.06	0.00	$ 411.19	Best	Best	0	$ 7.54	1.87%
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 53.49	$ 60.39	0%	$ -	1.00	$ -	$ -	$ 114.50	$ 253.50	$ 428.39	$ 79.47	0.00	$ 454.37	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 141.00	$ 280.88	$ 444.30	$ 23.06	0.00	$ 451.83	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 135.50	$ 288.99	$ 446.91	$ 23.06	0.00	$ 454.45	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 186.30	$ 245.39	$ 431.69	$ -	0.00	$ 431.69	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 192.05	$ 241.33	$ 433.38	$ -	0.00	$ 433.38	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 174.80	$ 239.30	$ 414.10	$ -	0.00	$ 414.10	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 157.00	$ 330.56	$ 507.56	$ -	0.00	$ 507.56	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 141.25	$ 221.05	$ 384.72	$ 23.06	0.00	$ 392.26	Best	Best	0	$ 7.54	1.96%
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 55.40	$ 62.30	0%	$ -	1.00	$ -	$ -	$ 105.50	$ 232.21	$ 400.01	$ 82.31	0.00	$ 426.92	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 138.00	$ 283.92	$ 444.34	$ 23.06	0.00	$ 451.88	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 132.50	$ 292.03	$ 446.95	$ 23.06	0.00	$ 454.49	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 181.70	$ 231.19	$ 412.89	$ -	0.00	$ 412.89	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 187.45	$ 227.14	$ 414.59	$ -	0.00	$ 414.59	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 201.25	$ 288.99	$ 490.24	$ -	0.00	$ 490.24	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 154.00	$ 333.61	$ 507.61	$ -	0.00	$ 507.61	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 216.42	$ 323.47	$ 562.30	$ 23.06	0.00	$ 569.84	-	Best	1	$ 23.06	4.10%
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 75.48	$ 82.38	0%	$ -	1.00	$ -	$ -	$ 145.00	$ 319.41	$ 546.79	$ 112.14	0.00	$ 583.45	Best	-	1	-	-
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 182.00	$ 400.53	$ 604.95	$ 23.06	0.00	$ 612.49	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 33.61	$ 40.51	0%	$ -	1.00	$ -	$ -	$ 171.50	$ 379.24	$ 591.25	$ 49.94	0.00	$ 607.57	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 250.13	$ 322.45	$ 572.58	$ -	0.00	$ 572.58	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 255.30	$ 319.41	$ 574.71	$ -	0.00	$ 574.71	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 201.50	$ 438.05	$ 659.55	$ -	0.00	$ 659.55	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 56.06	$ 62.96	0%	$ -	1.15	$ -	$ -	$ 211.66	$ 374.17	$ 648.79	$ 83.30	0.00	$ 676.02	-	Best	1	$ 27.99	4.31%
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 95.95	$ 102.85	0%	$ -	1.00	$ -	$ -	$ 169.00	$ 376.19	$ 648.04	$ 142.55	0.00	$ 694.65	Best	-	1	-	-
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 56.06	$ 62.96	0%	$ -	1.00	$ -	$ -	$ 200.00	$ 429.94	$ 692.90	$ 83.30	0.00	$ 720.13	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 245.00	$ 430.95	$ 682.85	$ -	0.00	$ 682.85	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 313.38	$ 382.28	$ 695.65	$ -	0.00	$ 695.65	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 299.00	$ 377.21	$ 676.21	$ -	0.00	$ 676.21	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 225.00	$ 464.41	$ 709.41	$ -	0.00	$ 709.41	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 101.19	$ 108.09	0%	$ -	1.00	$ -	$ -	$ 219.50	$ 477.59	$ 805.19	$ 150.35	0.00	$ 854.35	Best	-	1	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 40.61	$ 61.51	0%	$ -	1.00	$ -	$ -	$ 243.50	$ 501.93	$ 806.94	$ 60.34	0.00	$ 826.67	-	Best	1	$ 21.48	2.66%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 55.40	$ 69.40	0%	$ -	1.00	$ -	$ -	$ 242.00	$ 497.87	$ 809.28	$ 82.31	0.00	$ 836.19	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	0%	$ -	1.15	$ -	$ -	$ 343.85	$ 480.64	$ 856.49	$ -	0.00	$ 856.49	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 20.77	$ 67.67	0%	$ -	1.00	$ -	$ -	$ 245.50	$ 524.24	$ 837.40	$ 30.85	0.00	$ 847.49	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 5.25	$ 72.15	0%	$ -	1.00	$ -	$ -	$ 265.50	$ 561.76	$ 899.40	$ 7.80	0.00	$ 901.95	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 36.45	$ 91.50	0%	$ -	1.00	$ -	$ -	$ 90.00	$ 180.49	$ 361.99	$ 54.16	0.00	$ 379.70	Best	Best	0	$ 17.71	4.89%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 5.25	$ 60.30	0%	$ -	1.15	$ -	$ -	$ 170.78	$ 180.49	$ 411.57	$ 7.80	0.00	$ 414.12	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 63.88	$ 118.93	0%	$ -	1.00	$ -	$ -	$ 89.50	$ 185.56	$ 393.99	$ 94.91	0.00	$ 425.02	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 9.88	$ 84.93	0%	$ -	1.15	$ -	$ -	$ 146.63	$ 189.62	$ 421.17	$ 14.68	0.00	$ 425.97	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 36.45	$ 206.50	0%	$ -	1.00	$ -	$ -	$ 92.00	$ 180.49	$ 478.99	$ 54.16	0.00	$ 496.70	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 77.75	$ 132.80	0%	$ -	1.15	$ -	$ -	$ 166.75	$ 181.51	$ 481.06	$ 139.35	0.00	$ 542.66	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 108.96	$ 164.01	0%	$ -	1.00	$ -	$ -	$ 89.00	$ 185.56	$ 438.57	$ 185.71	0.00	$ 515.32	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 27.73	$ 102.78	0%	$ -	1.00	$ -	$ -	$ 91.50	$ 190.63	$ 384.92	$ 41.21	0.00	$ 398.39	Best	Best	0	$ 13.47	3.50%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 36.45	$ 36.45	0%	$ -	1.00	$ -	$ -	$ 82.50	$ 163.25	$ 282.20	$ 54.16	0.00	$ 299.91	Best	Best	0	$ 17.71	6.27%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 147.00	$ 275.81	$ 422.81	$ -	0.00	$ 422.81	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 80.43	$ 80.43	0%	$ -	1.00	$ -	$ -	$ 126.00	$ 295.07	$ 501.50	$ 119.50	0.00	$ 540.57	-	-	0	-	-
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 162.00	$ 340.70	$ 502.70	$ -	0.00	$ 502.70	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 200.10	$ 281.89	$ 481.99	$ -	0.00	$ 481.99	Best	Best	0	$ -	0.00%
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 32.88	$ 32.88	0%	$ -	1.00	$ -	$ -	$ 76.50	$ 150.07	$ 259.46	$ 48.86	0.00	$ 275.43	Best	Best	0	$ 15.98	6.16%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 2.51	$ 2.51	0%	$ -	1.00	$ -	$ -	$ 3,029.50	$ 158.18	$ 3,190.19	$ 3.73	0.00	$ 3,191.41	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 150.00	$ 315.35	$ 490.35	$ -	0.00	$ 490.35	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 94.62	$ 94.62	0%	$ -	1.00	$ -	$ -	$ 164.50	$ 375.18	$ 634.30	$ 140.59	0.00	$ 680.27	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 18.09	$ 43.09	0%	$ -	1.00	$ -	$ -	$ 159.50	$ 339.69	$ 542.28	$ 26.88	0.00	$ 551.07	Best	-	1	-	-
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 163.00	$ 359.97	$ 547.97	$ -	0.00	$ 547.97	-	Best	1	$ 5.69	1.04%
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 115.09	$ 115.09	0%	$ -	1.00	$ -	$ -	$ 193.00	$ 440.08	$ 748.17	$ 171.01	0.00	$ 804.08	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 38.56	$ 63.56	0%	$ -	1.00	$ -	$ -	$ 196.00	$ 405.60	$ 665.16	$ 57.30	0.00	$ 683.90	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 189.00	$ 385.32	$ 599.32	$ -	0.00	$ 599.32	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 31.96	$ 31.96	0%	$ -	1.00	$ -	$ -	$ 77.50	$ 164.27	$ 273.73	$ 47.49	0.00	$ 289.25	Best	-	1	-	-
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 110.50	$ 209.90	$ 320.40	$ -	0.00	$ 320.40	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 124.78	$ 163.25	$ 288.03	$ -	0.00	$ 288.03	-	Best	1	$ 14.30	4.97%
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 29.65	$ 29.65	0%	$ -	1.00	$ -	$ -	$ 86.00	$ 187.59	$ 303.24	$ 44.05	0.00	$ 317.64	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 18.62	$ 18.62	0%	$ -	1.15	$ -	$ -	$ 96.71	$ 167.31	$ 282.64	$ 27.67	0.00	$ 291.68	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 83.00	$ 170.35	$ 253.35	$ -	0.00	$ 253.35	Best	Best	0	$ -	0.00%
																									# Changes	5	Average Delta				
																											$ 9.08	2.20%	

Value of Time $/h = 40

Class 5H Vehicles Paying with Tolls by Mail

Cost/h VOT = >>	$ 40.00
Cost/mile	$ 1.01

			Time			Additional Route Detail				Toll Rates		Impact Factors									Impacts on Drivers					
																					Value of Time $/h = 40					
Origin	Destination	Route	hours	minutes	Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 255.33	$ 355.91	$ 643.76	$ 23.06	0.00	$ 651.30	Best	-	1	-	-
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 53.49	$ 70.49	0%	$ -	1.00	$ -	$ -	$ 224.67	$ 373.15	$ 668.30	$ 79.47	0.00	$ 694.29	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 253.33	$ 396.47	$ 682.32	$ 23.06	0.00	$ 689.86	-	-	0	-	-
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 250.67	$ 412.70	$ 695.88	$ 23.06	0.00	$ 703.42	-	-	0	-	-
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 313.57	$ 332.59	$ 649.66	$ -	0.00	$ 649.66	-	Best	1	$ 5.89	0.91%
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 377.97	$ 369.10	$ 750.56	$ -	0.00	$ 750.56	-	-	0	-	-
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 274.00	$ 443.12	$ 742.87	$ -	0.00	$ 742.87	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.15	$ -	$ -	$ 282.86	$ 341.72	$ 657.09	$ 23.06	0.00	$ 664.63	-	-	0	-	-
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 245.33	$ 399.52	$ 677.37	$ 23.06	0.00	$ 684.91	-	-	0	-	-
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 55.40	$ 72.40	0%	$ -	1.00	$ -	$ -	$ 206.00	$ 351.86	$ 630.26	$ 82.31	0.00	$ 657.17	-	-	0	-	-
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 280.60	$ 295.07	$ 579.17	$ -	0.00	$ 579.17	Best	Best	0	$ -	0.00%
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 308.97	$ 328.54	$ 641.00	$ -	0.00	$ 641.00	-	-	0	-	-
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 372.60	$ 353.89	$ 729.99	$ -	0.00	$ 729.99	-	-	0	-	-
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 78.84	$ 95.84	0%	$ -	1.00	$ -	$ -	$ 264.67	$ 441.09	$ 801.60	$ 117.14	0.00	$ 839.90	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 35.59	$ 52.59	0%	$ -	1.00	$ -	$ -	$ 301.33	$ 504.97	$ 858.90	$ 52.88	0.00	$ 876.19	-	-	0	-	-
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52		0%	$ -	1.00	$ -	$ -	$ 315.33	$ 525.25	$ 840.59	$ 23.06	0.00	$ 880.64	-	-	0	-	-
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 445.43	$ 444.13	$ 893.07	$ -	0.00	$ 893.07	-	-	0	-	-
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 370.30	$ 389.38	$ 759.68	$ -	0.00	$ 759.68	Best	Best	0	$ -	0.00%
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 335.33	$ 551.62	$ 912.70	$ -	0.00	$ 912.70	-	-	0	-	-
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 95.95	$ 112.95	0%	$ -	1.00	$ -	$ -	$ 294.67	$ 496.86	$ 904.47	$ 142.55	0.00	$ 951.08	-	-	0	-	-
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 350.67	$ 548.57	$ 931.76	$ 23.06	0.00	$ 939.30	-	-	0	-	-
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 433.17	$ 447.17	$ 880.34	$ -	0.00	$ 880.34	Best	Best	0	$ -	0.00%
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 372.00	$ 577.98	$ 975.73	$ -	0.00	$ 975.73	-	-	0	-	-
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 380.00	$ 592.18	$ 997.93	$ -	0.00	$ 997.93	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 101.19	$ 118.19	0%	$ -	1.00	$ -	$ -	$ 354.00	$ 594.20	$ 1,066.40	$ 150.35	0.00	$ 1,115.56	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 40.61	$ 71.61	0%	$ -	1.00	$ -	$ -	$ 394.00	$ 625.64	$ 1,091.25	$ 60.34	0.00	$ 1,110.98	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 72.52	0%	$ -	1.00	$ -	$ -	$ 402.00	$ 642.88	$ 1,117.39	$ 23.06	0.00	$ 1,124.93	-	-	0	-	-
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.50	0%	$ -	1.00	$ -	$ -	$ 377.33	$ 617.53	$ 998.36	$ -	0.00	$ 998.36	Best	Best	0	$ -	0.00%
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 65.75	0%	$ -	1.00	$ -	$ -	$ 433.33	$ 678.37	$ 1,177.45	$ -	0.00	$ 1,177.45	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 194.64	$ 235.25	$ 452.31	$ 23.06	0.00	$ 459.85	Best	Best	0	$ 7.54	1.67%
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 53.49	$ 60.39	0%	$ -	1.00	$ -	$ -	$ 152.67	$ 253.50	$ 466.55	$ 79.47	0.00	$ 492.54	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 188.00	$ 280.88	$ 491.30	$ 23.06	0.00	$ 498.83	-	-	0	-	-
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 180.67	$ 288.99	$ 492.07	$ 23.06	0.00	$ 499.61	-	-	0	-	-
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 248.40	$ 245.39	$ 493.79	$ -	0.00	$ 493.79	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 256.07	$ 241.33	$ 497.40	$ -	0.00	$ 497.40	-	-	0	-	-
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 233.07	$ 239.30	$ 472.37	$ -	0.00	$ 472.37	-	-	0	-	-
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 209.33	$ 330.56	$ 559.90	$ -	0.00	$ 559.90	-	-	0	-	-
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 188.34	$ 221.05	$ 431.81	$ 23.06	0.00	$ 439.35	Best	Best	0	$ 7.54	1.75%
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 55.40	$ 62.30	0%	$ -	1.00	$ -	$ -	$ 140.67	$ 232.21	$ 435.17	$ 82.31	0.00	$ 462.09	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 184.00	$ 283.92	$ 490.34	$ 23.06	0.00	$ 497.88	-	-	0	-	-
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 176.67	$ 292.03	$ 491.12	$ 23.06	0.00	$ 498.65	-	-	0	-	-
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 242.27	$ 231.19	$ 473.46	$ -	0.00	$ 473.46	-	-	0	-	-
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 249.93	$ 227.14	$ 477.07	$ -	0.00	$ 477.07	-	-	0	-	-
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 268.33	$ 288.99	$ 557.32	$ -	0.00	$ 557.32	-	-	0	-	-
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 205.33	$ 333.61	$ 558.94	$ -	0.00	$ 558.94	-	-	0	-	-
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 288.56	$ 323.47	$ 634.45	$ 23.06	0.00	$ 641.98	-	-	0	-	-
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 75.48	$ 82.38	0%	$ -	1.00	$ -	$ -	$ 193.33	$ 319.41	$ 595.12	$ 112.14	0.00	$ 631.78	Best	Best	0	$ 36.67	6.16%
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 242.67	$ 400.53	$ 665.61	$ 23.06	0.00	$ 673.15	-	-	0	-	-
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 33.61	$ 40.51	0%	$ -	1.00	$ -	$ -	$ 228.67	$ 379.24	$ 648.41	$ 49.94	0.00	$ 664.74	-	-	0	-	-
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 333.50	$ 322.45	$ 655.95	$ -	0.00	$ 655.95	-	-	0	-	-
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 340.40	$ 319.41	$ 659.81	$ -	0.00	$ 659.81	-	-	0	-	-
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 268.67	$ 438.05	$ 726.71	$ -	0.00	$ 726.71	-	-	0	-	-
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 56.06	$ 62.96	0%	$ -	1.15	$ -	$ -	$ 282.22	$ 374.17	$ 719.34	$ 83.30	0.00	$ 746.58	-	Best	1	$ 42.21	5.87%
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 95.95	$ 102.85	0%	$ -	1.00	$ -	$ -	$ 225.33	$ 376.19	$ 704.37	$ 142.55	0.00	$ 750.98	Best	-	1	-	-
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 56.06	$ 62.96	0%	$ -	1.00	$ -	$ -	$ 266.67	$ 429.94	$ 759.56	$ 83.30	0.00	$ 786.80	-	-	0	-	-
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 326.67	$ 430.95	$ 764.52	$ -	0.00	$ 764.52	-	-	0	-	-
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 417.83	$ 382.28	$ 800.11	$ -	0.00	$ 800.11	-	-	0	-	-
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 398.67	$ 377.21	$ 775.87	$ -	0.00	$ 775.87	-	-	0	-	-
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 300.00	$ 464.41	$ 784.41	$ -	0.00	$ 784.41	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 101.19	$ 108.09	0%	$ -	1.00	$ -	$ -	$ 292.67	$ 477.59	$ 878.35	$ 150.35	0.00	$ 927.51	Best	-	1	-	-
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 40.61	$ 61.51	0%	$ -	1.00	$ -	$ -	$ 324.67	$ 501.93	$ 888.11	$ 60.34	0.00	$ 907.83	-	Best	1	$ 29.48	3.32%
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 55.40	$ 69.40	0%	$ -	1.00	$ -	$ -	$ 322.67	$ 497.87	$ 889.94	$ 82.31	0.00	$ 916.86	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	0%	$ -	1.15	$ -	$ -	$ 458.47	$ 480.64	$ 971.10	$ -	0.00	$ 971.10	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 20.77	$ 67.67	0%	$ -	1.00	$ -	$ -	$ 327.33	$ 524.24	$ 919.24	$ 30.85	0.00	$ 929.33	-	-	0	-	-
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 5.25	$ 72.15	0%	$ -	1.00	$ -	$ -	$ 354.00	$ 561.76	$ 987.90	$ 7.80	0.00	$ 990.45	-	-	0	-	-
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 36.45	$ 91.50	0%	$ -	1.00	$ -	$ -	$ 120.00	$ 180.49	$ 391.99	$ 54.16	0.00	$ 409.70	Best	Best	0	$ 17.71	4.52%
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 5.25	$ 60.30	0%	$ -	1.15	$ -	$ -	$ 227.70	$ 180.49	$ 468.49	$ 7.80	0.00	$ 471.04	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 63.88	$ 118.93	0%	$ -	1.00	$ -	$ -	$ 119.33	$ 185.56	$ 423.83	$ 94.91	0.00	$ 454.86	-	-	0	-	-
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 9.88	$ 84.93	0%	$ -	1.15	$ -	$ -	$ 195.50	$ 189.62	$ 470.05	$ 14.68	0.00	$ 474.85	-	-	0	-	-
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 36.45	$ 206.50	0%	$ -	1.00	$ -	$ -	$ 122.67	$ 180.49	$ 509.66	$ 54.16	0.00	$ 527.37	-	-	0	-	-
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 77.75	$ 132.80	0%	$ -	1.15	$ -	$ -	$ 222.33	$ 181.51	$ 536.64	$ 139.35	0.00	$ 598.24	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 108.96	$ 164.01	0%	$ -	1.00	$ -	$ -	$ 118.67	$ 185.56	$ 468.23	$ 185.71	0.00	$ 544.99	-	-	0	-	-
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 27.73	$ 102.78	0%	$ -	1.00	$ -	$ -	$ 122.00	$ 190.63	$ 415.42	$ 41.21	0.00	$ 428.89	Best	Best	0	$ 13.47	3.24%
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 36.45	$ 36.45	0%	$ -	1.00	$ -	$ -	$ 110.00	$ 163.25	$ 309.70	$ 54.16	0.00	$ 327.41	Best	Best	0	$ 17.71	5.72%
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 196.00	$ 275.81	$ 471.81	$ -	0.00	$ 471.81	-	-	0	-	-
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 80.43	$ 80.43	0%	$ -	1.00	$ -	$ -	$ 168.00	$ 295.07	$ 543.50	$ 119.50	0.00	$ 582.57	Best	-	1	-	-
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 216.00	$ 340.70	$ 556.70	$ -	0.00	$ 556.70	-	-	0	-	-
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 266.80	$ 281.89	$ 548.69	$ -	0.00	$ 548.69	-	Best	1	$ 5.19	0.95%
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 32.88	$ 32.88	0%	$ -	1.00	$ -	$ -	$ 102.00	$ 150.07	$ 284.96	$ 48.86	0.00	$ 300.93	Best	Best	0	$ 15.98	5.61%
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 2.51	$ 2.51	0%	$ -	1.00	$ -	$ -	$ 4,039.33	$ 158.18	$ 4,200.03	$ 3.73	0.00	$ 4,201.25	-	-	0	-	-
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 200.00	$ 315.35	$ 540.35	$ -	0.00	$ 540.35	-	-	0	-	-
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 94.62	$ 94.62	0%	$ -	1.00	$ -	$ -	$ 219.33	$ 375.18	$ 689.14	$ 140.59	0.00	$ 735.11	-	-	0	-	-
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 18.09	$ 43.09	0%	$ -	1.00	$ -	$ -	$ 212.67	$ 339.69	$ 595.45	$ 26.88	0.00	$ 604.24	Best	-	1	-	-
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 217.33	$ 359.97	$ 602.30	$ -	0.00	$ 602.30	-	Best	1	$ 6.85	1.14%
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 115.09	$ 115.09	0%	$ -	1.00	$ -	$ -	$ 257.33	$ 440.08	$ 812.50	$ 171.01	0.00	$ 868.42	-	-	0	-	-
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 38.56	$ 63.56	0%	$ -	1.00	$ -	$ -	$ 261.33	$ 405.60	$ 730.50	$ 57.30	0.00	$ 749.23	-	-	0	-	-
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 252.00	$ 385.32	$ 662.32	$ -	0.00	$ 662.32	Best	Best	0	$ -	0.00%
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 31.96	$ 31.96	0%	$ -	1.00	$ -	$ -	$ 103.33	$ 164.27	$ 299.56	$ 47.49	0.00	$ 315.09	Best	Best	0	$ 15.53	5.18%
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 147.33	$ 209.90	$ 357.23	$ -	0.00	$ 357.23	-	-	0	-	-
Rochester	Erie	US 20 and NY5 (I490,33,20,5)	3	37	161				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 166.37	$ 163.25	$ 329.62	$ -	0.00	$ 329.62	-	-	0	-	-
Binghamton	Batavia	I-81(I81,I690,I-90)	2	52	185	Exit 39 to Exit 48			100.6	$ 29.65	$ 29.65	0%	$ -	1.00	$ -	$ -	$ 114.67	$ 187.59	$ 331.91	$ 44.05	0.00	$ 346.31	-	-	0	-	-
Binghamton	Batavia	I81 and US20 (I81,NY90,20,I-90)	2	57	165	Exit 42 to Exit 48			63	$ 18.62	$ 18.62	0%	$ -	1.15	$ -	$ -	$ 128.94	$ 167.31	$ 314.87	$ 27.67	0.00	$ 323.92	-	-	0	-	-
Binghamton	Batavia	I390 (I86,I390,63)	2	46	168				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 110.67	$ 170.35	$ 281.02	$ -	0.00	$ 281.02	Best	Best	0	$ -	0.00%

# Changes	5	Average Delta	
		$ 11.67	2.42%

Value of Time $/h = 50

Class 5H Vehicles Paying with Tolls by Mail

						Additional Route Detail				Toll Rates		Impact Factors												Cost/h VOT = >>	$ 50.00	Impacts on Drivers								
																								Cost/mile	$ 1.01	Value of Time $/h = 50								
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %							
			hours	minutes																													
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 319.17	$ 355.91	$ 707.60	$ 23.06	0.00	$ 715.14	Best	Best	0	$ 7.54	1.07%							
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 53.49	$ 70.49	0%	$ -	1.00	$ -	$ -	$ 280.83	$ 373.15	$ 724.47	$ 79.47	0.00	$ 750.46	-	-	0	-	-							
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 316.67	$ 396.47	$ 745.66	$ 23.06	0.00	$ 753.20	-	-	0	-	-							
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 313.33	$ 412.70	$ 758.55	$ 23.06	0.00	$ 766.09	-	-	0	-	-							
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 391.96	$ 332.59	$ 728.05	$ -	0.00	$ 728.05	-	-	0	-	-							
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 472.46	$ 369.10	$ 845.05	$ -	0.00	$ 845.05	-	-	0	-	-							
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 342.50	$ 443.12	$ 811.37	$ -	0.00	$ 811.37	-	-	0	-	-							
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.15	$ -	$ -	$ 353.57	$ 341.72	$ 727.80	$ 23.06	0.00	$ 735.34	-	-	0	-	-							
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 306.67	$ 399.52	$ 738.70	$ 23.06	0.00	$ 746.24	-	-	0	-	-							
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 55.40	$ 72.40	0%	$ -	1.00	$ -	$ -	$ 257.50	$ 351.86	$ 681.76	$ 82.31	0.00	$ 708.67	-	-	0	-	-							
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 350.75	$ 295.07	$ 649.32	$ -	0.00	$ 649.32	Best	Best	0	$ -	0.00%							
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 386.21	$ 328.54	$ 718.24	$ -	0.00	$ 718.24	-	-	0	-	-							
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 465.75	$ 353.89	$ 823.14	$ -	0.00	$ 823.14	-	-	0	-	-							
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 78.84	$ 95.84	0%	$ -	1.00	$ -	$ -	$ 330.83	$ 441.09	$ 867.77	$ 117.14	0.00	$ 906.07	-	-	0	-	-							
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 35.59	$ 52.59	0%	$ -	1.00	$ -	$ -	$ 376.67	$ 504.97	$ 934.23	$ 52.88	0.00	$ 951.52	-	-	0	-	-							
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52		0%	$ -	1.00	$ -	$ -	$ 394.17	$ 525.25	$ 919.42	$ 23.06	0.00	$ 959.47	-	-	0	-	-							
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 556.79	$ 444.13	$ 1,004.42	$ -	0.00	$ 1,004.42	-	-	0	-	-							
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 462.88	$ 389.38	$ 852.25	$ -	0.00	$ 852.25	Best	Best	0	$ -	0.00%							
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 419.17	$ 551.62	$ 996.53	$ -	0.00	$ 996.53	-	-	0	-	-							
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 95.95	$ 112.95	0%	$ -	1.00	$ -	$ -	$ 368.33	$ 496.86	$ 978.14	$ 142.55	0.00	$ 1,024.75	Best	-	1	-	-							
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 438.33	$ 548.57	$ 1,019.42	$ 23.06	0.00	$ 1,026.96	-	-	0	-	-							
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 541.46	$ 447.17	$ 988.63	$ -	0.00	$ 988.63	-	Best	1	$ 10.49	1.06%							
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 465.00	$ 577.98	$ 1,068.73	$ -	0.00	$ 1,068.73	-	-	0	-	-							
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 475.00	$ 592.18	$ 1,092.93	$ -	0.00	$ 1,092.93	-	-	0	-	-							
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 101.19	$ 118.19	0%	$ -	1.00	$ -	$ -	$ 442.50	$ 594.20	$ 1,154.90	$ 150.35	0.00	$ 1,204.06	-	-	0	-	-							
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 40.61	$ 71.61	0%	$ -	1.00	$ -	$ -	$ 492.50	$ 625.64	$ 1,189.75	$ 60.34	0.00	$ 1,209.48	-	-	0	-	-							
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 72.52	0%	$ -	1.00	$ -	$ -	$ 502.50	$ 642.88	$ 1,217.89	$ 23.06	0.00	$ 1,225.43	-	-	0	-	-							
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.50	0%	$ -	1.00	$ -	$ -	$ 471.67	$ 617.53	$ 1,092.69	$ -	0.00	$ 1,092.69	Best	Best	0	$ -	0.00%							
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 65.75	0%	$ -	1.00	$ -	$ -	$ 541.67	$ 678.37	$ 1,285.78	$ -	0.00	$ 1,285.78	-	-	0	-	-							
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 243.30	$ 235.25	$ 500.97	$ 23.06	0.00	$ 508.51	Best	Best	0	$ 7.54	1.50%							
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 53.49	$ 60.39	0%	$ -	1.00	$ -	$ -	$ 190.83	$ 253.50	$ 504.72	$ 79.47	0.00	$ 530.70	-	-	0	-	-							
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 235.00	$ 280.88	$ 538.30	$ 23.06	0.00	$ 545.83	-	-	0	-	-							
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 225.83	$ 288.99	$ 537.24	$ 23.06	0.00	$ 544.78	-	-	0	-	-							
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 310.50	$ 245.39	$ 555.89	$ -	0.00	$ 555.89	-	-	0	-	-							
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 320.08	$ 241.33	$ 561.42	$ -	0.00	$ 561.42	-	-	0	-	-							
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 291.33	$ 239.30	$ 530.64	$ -	0.00	$ 530.64	-	-	0	-	-							
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 261.67	$ 330.56	$ 612.23	$ -	0.00	$ 612.23	-	-	0	-	-							
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 235.42	$ 221.05	$ 478.89	$ 23.06	0.00	$ 486.43	-	Best	1	$ 16.09	3.36%							
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 55.40	$ 62.30	0%	$ -	1.00	$ -	$ -	$ 175.83	$ 232.21	$ 470.34	$ 82.31	0.00	$ 497.25	Best	-	1	-	-							
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 230.00	$ 283.92	$ 536.34	$ 23.06	0.00	$ 543.88	-	-	0	-	-							
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 220.83	$ 292.03	$ 535.28	$ 23.06	0.00	$ 542.82	-	-	0	-	-							
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 302.83	$ 231.19	$ 534.03	$ -	0.00	$ 534.03	-	-	0	-	-							
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 312.42	$ 227.14	$ 539.55	$ -	0.00	$ 539.55	-	-	0	-	-							
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 335.42	$ 288.99	$ 624.41	$ -	0.00	$ 624.41	-	-	0	-	-							
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 256.67	$ 333.61	$ 610.27	$ -	0.00	$ 610.27	-	-	0	-	-							
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 360.70	$ 323.47	$ 706.59	$ 23.06	0.00	$ 714.12	-	-	0	-	-							
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 75.48	$ 82.38	0%	$ -	1.00	$ -	$ -	$ 241.67	$ 319.41	$ 643.45	$ 112.14	0.00	$ 680.12	Best	Best	0	$ 36.67	5.70%							
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 303.33	$ 400.53	$ 726.28	$ 23.06	0.00	$ 733.82	-	-	0	-	-							
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 33.61	$ 40.51	0%	$ -	1.00	$ -	$ -	$ 285.83	$ 379.24	$ 705.58	$ 49.94	0.00	$ 721.91	-	-	0	-	-							
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 416.88	$ 322.45	$ 739.33	$ -	0.00	$ 739.33	-	-	0	-	-							
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 425.50	$ 319.41	$ 744.91	$ -	0.00	$ 744.91	-	-	0	-	-							
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 335.83	$ 438.05	$ 793.88	$ -	0.00	$ 793.88	-	-	0	-	-							
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 56.06	$ 62.96	0%	$ -	1.15	$ -	$ -	$ 352.77	$ 374.17	$ 789.90	$ 83.30	0.00	$ 817.13	-	-	0	-	-							
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 95.95	$ 102.85	0%	$ -	1.00	$ -	$ -	$ 281.67	$ 376.19	$ 760.71	$ 142.55	0.00	$ 807.32	Best	Best	0	$ 46.61	6.13%							
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 56.06	$ 62.96	0%	$ -	1.00	$ -	$ -	$ 333.33	$ 429.94	$ 826.23	$ 83.30	0.00	$ 853.47	-	-	0	-	-							
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 408.33	$ 430.95	$ 846.18	$ -	0.00	$ 846.18	-	-	0	-	-							
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 522.29	$ 382.28	$ 904.57	$ -	0.00	$ 904.57	-	-	0	-	-							
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 498.33	$ 377.21	$ 875.54	$ -	0.00	$ 875.54	-	-	0	-	-							
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 375.00	$ 464.41	$ 859.41	$ -	0.00	$ 859.41	-	-	0	-	-							
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 101.19	$ 108.09	0%	$ -	1.00	$ -	$ -	$ 365.83	$ 477.59	$ 951.52	$ 150.35	0.00	$ 1,000.68	Best	-	1	-	-							
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 40.61	$ 61.51	0%	$ -	1.00	$ -	$ -	$ 405.83	$ 501.93	$ 969.27	$ 60.34	0.00	$ 989.00	-	Best	1	$ 37.48	3.87%							
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 55.40	$ 69.40	0%	$ -	1.00	$ -	$ -	$ 403.33	$ 497.87	$ 970.61	$ 82.31	0.00	$ 997.52	-	-	0	-	-							
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	0%	$ -	1.15	$ -	$ -	$ 573.08	$ 480.64	$ 1,085.72	$ -	0.00	$ 1,085.72	-	-	0	-	-							
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 20.77	$ 67.67	0%	$ -	1.00	$ -	$ -	$ 409.17	$ 524.24	$ 1,001.07	$ 30.85	0.00	$ 1,011.16	-	-	0	-	-							
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 5.25	$ 72.15	0%	$ -	1.00	$ -	$ -	$ 442.50	$ 561.76	$ 1,076.40	$ 7.80	0.00	$ 1,078.95	-	-	0	-	-							
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 36.45	$ 91.50	0%	$ -	1.00	$ -	$ -	$ 150.00	$ 180.49	$ 421.99	$ 54.16	0.00	$ 439.70	Best	Best	0	$ 17.71	4.20%							
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 5.25	$ 60.30	0%	$ -	1.15	$ -	$ -	$ 284.63	$ 180.49	$ 525.42	$ 7.80	0.00	$ 527.97	-	-	0	-	-							
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 63.88	$ 118.93	0%	$ -	1.00	$ -	$ -	$ 149.17	$ 185.56	$ 453.66	$ 94.91	0.00	$ 484.69	-	-	0	-	-							
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 9.88	$ 84.93	0%	$ -	1.15	$ -	$ -	$ 244.38	$ 189.62	$ 518.92	$ 14.68	0.00	$ 523.72	-	-	0	-	-							
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 36.45	$ 206.50	0%	$ -	1.00	$ -	$ -	$ 153.33	$ 180.49	$ 540.33	$ 54.16	0.00	$ 558.03	-	-	0	-	-							
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 77.75	$ 132.80	0%	$ -	1.15	$ -	$ -	$ 277.92	$ 181.51	$ 592.23	$ 139.35	0.00	$ 653.82	-	-	0	-	-							
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 108.96	$ 164.01	0%	$ -	1.00	$ -	$ -	$ 148.33	$ 185.56	$ 497.90	$ 185.71	0.00	$ 574.65	-	-	0	-	-							
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 27.73	$ 102.78	0%	$ -	1.00	$ -	$ -	$ 152.50	$ 190.63	$ 445.92	$ 41.21	0.00	$ 459.39	Best	Best	0	$ 13.47	3.02%							
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 36.45	$ 36.45	0%	$ -	1.00	$ -	$ -	$ 137.50	$ 163.25	$ 337.20	$ 54.16	0.00	$ 354.91	Best	Best	0	$ 17.71	5.25%							
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 245.00	$ 275.81	$ 520.81	$ -	0.00	$ 520.81	-	-	0	-	-							
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 80.43	$ 80.43	0%	$ -	1.00	$ -	$ -	$ 210.00	$ 295.07	$ 585.50	$ 119.50	0.00	$ 624.57	Best	-	1	-	-							
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 270.00	$ 340.70	$ 610.70	$ -	0.00	$ 610.70	-	Best	1	$ 25.20	4.13%							
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 333.50	$ 281.89	$ 615.39	$ -	0.00	$ 615.39	-	-	0	-	-							
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 32.88	$ 32.88	0%	$ -	1.00	$ -	$ -	$ 127.50	$ 150.07	$ 310.46	$ 48.86	0.00	$ 326.43	Best	Best	0	$ 15.98	5.15%							
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 2.51	$ 2.51	0%	$ -	1.00	$ -	$ -	$ 5,049.17	$ 158.18	$ 5,209.86	$ 3.73	0.00	$ 5,211.08	-	-	0	-	-							
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 250.00	$ 315.35	$ 590.35	$ -	0.00	$ 590.35	-	-	0	-	-							
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 94.62	$ 94.62	0%	$ -	1.00	$ -	$ -	$ 274.17	$ 375.18	$ 743.97	$ 140.59	0.00	$ 789.94	-	-	0	-	-							
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 18.09	$ 43.09	0%	$ -	1.00	$ -	$ -	$ 265.83	$ 339.69	$ 648.62	$ 26.88	0.00	$ 657.41	Best	-	1	-	-							
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 271.67	$ 359.97	$ 656.64	$ -	0.00	$ 656.64	-	Best	1	$ 8.02	1.22%							
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 115.09	$ 115.09	0%	$ -	1.00	$ -	$ -	$ 321.67	$ 440.08	$ 876.84	$ 171.01	0.00	$ 932.75	-	-	0	-	-							
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 38.56	$ 63.56	0%	$ -	1.00	$ -	$ -	$ 326.67	$ 405.60	$ 795.83	$ 57.30	0.00	$ 814.56	-	-	0	-	-							
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 315.00	$ 385.32	$ 725.32	$ -	0.00	$ 725.32	Best	Best	0	$ -	0.00%							
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 31.96	$ 31.96	0%	$ -	1.00	$ -	$ -	$ 129.17	$ 164.27	$ 325.39	$ 47.49	0.00	$ 340.92	Best	Best	0	$ 15.53	4.77%							
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 184.17	$ 209.90	$ 394.06	$ -	0.00	$ 394.06	-	-	0	-	-

Value of Time $/h = 65

Class 5H Vehicles Paying with Tolls by Mail

						Additional Route Detail				Toll Rates		Impact Factors												Cost/h VOT = >>	$ 65.00	Impacts on Drivers								
																								Cost/mile	$ 1.01	Value of Time $/h = 65								
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %							
			hours	minutes																													
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 414.92	$ 355.91	$ 803.35	$ 23.06	0.00	$ 810.89	Best	Best	0	$ 7.54	0.94%							
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 53.49	$ 70.49	0%	$ -	1.00	$ -	$ -	$ 365.08	$ 373.15	$ 808.72	$ 79.47	0.00	$ 834.71	-	-	0	-	-							
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 411.67	$ 396.47	$ 840.66	$ 23.06	0.00	$ 848.20	-	-	0	-	-							
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 407.33	$ 412.70	$ 852.55	$ 23.06	0.00	$ 860.09	-	-	0	-	-							
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 509.55	$ 332.59	$ 845.64	$ -	0.00	$ 845.64	-	-	0	-	-							
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 614.20	$ 369.10	$ 986.79	$ -	0.00	$ 986.79	-	-	0	-	-							
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 445.25	$ 443.12	$ 914.12	$ -	0.00	$ 914.12	-	-	0	-	-							
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.15	$ -	$ -	$ 459.64	$ 341.72	$ 833.88	$ 23.06	0.00	$ 841.41	-	-	0	-	-							
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 398.67	$ 399.52	$ 830.70	$ 23.06	0.00	$ 838.24	-	-	0	-	-							
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 55.40	$ 72.40	0%	$ -	1.00	$ -	$ -	$ 334.75	$ 351.86	$ 759.01	$ 82.31	0.00	$ 785.92	-	-	0	-	-							
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 455.98	$ 295.07	$ 754.55	$ -	0.00	$ 754.55	Best	Best	0	$ -	0.00%							
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 502.07	$ 328.54	$ 834.11	$ -	0.00	$ 834.11	-	-	0	-	-							
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 605.48	$ 353.89	$ 962.86	$ -	0.00	$ 962.86	-	-	0	-	-							
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 78.84	$ 95.84	0%	$ -	1.00	$ -	$ -	$ 430.08	$ 441.09	$ 967.02	$ 117.14	0.00	$ 1,005.32	Best	-	1	-	-							
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 35.59	$ 52.59	0%	$ -	1.00	$ -	$ -	$ 489.67	$ 504.97	$ 1,047.23	$ 52.88	0.00	$ 1,064.52	-	-	0	-	-							
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52		0%	$ -	1.00	$ -	$ -	$ 512.42	$ 525.25	$ 1,037.67	$ 23.06	0.00	$ 1,077.72	-	-	0	-	-							
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 723.83	$ 444.13	$ 1,171.46	$ -	0.00	$ 1,171.46	-	-	0	-	-							
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 601.74	$ 389.38	$ 991.11	$ -	0.00	$ 991.11	-	Best	1	$ 24.10	2.43%							
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 544.92	$ 551.62	$ 1,122.28	$ -	0.00	$ 1,122.28	-	-	0	-	-							
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 95.95	$ 112.95	0%	$ -	1.00	$ -	$ -	$ 478.83	$ 496.86	$ 1,088.64	$ 142.55	0.00	$ 1,135.25	Best	Best	0	$ 46.61	4.28%							
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 569.83	$ 548.57	$ 1,150.92	$ 23.06	0.00	$ 1,158.46	-	-	0	-	-							
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 703.90	$ 447.17	$ 1,151.07	$ -	0.00	$ 1,151.07	-	-	0	-	-							
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 604.50	$ 577.98	$ 1,208.23	$ -	0.00	$ 1,208.23	-	-	0	-	-							
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 617.50	$ 592.18	$ 1,235.43	$ -	0.00	$ 1,235.43	-	-	0	-	-							
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 101.19	$ 118.19	0%	$ -	1.00	$ -	$ -	$ 575.25	$ 594.20	$ 1,287.65	$ 150.35	0.00	$ 1,336.81	-	-	0	-	-							
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 40.61	$ 71.61	0%	$ -	1.00	$ -	$ -	$ 640.25	$ 625.64	$ 1,337.50	$ 60.34	0.00	$ 1,357.23	-	-	0	-	-							
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 72.52	0%	$ -	1.00	$ -	$ -	$ 653.25	$ 642.88	$ 1,368.64	$ 23.06	0.00	$ 1,376.18	-	-	0	-	-							
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.50	0%	$ -	1.00	$ -	$ -	$ 613.17	$ 617.53	$ 1,234.19	$ -	0.00	$ 1,234.19	Best	Best	0	$ -	0.00%							
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 65.75	0%	$ -	1.00	$ -	$ -	$ 704.17	$ 678.37	$ 1,448.28	$ -	0.00	$ 1,448.28	-	-	0	-	-							
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 316.30	$ 235.25	$ 573.96	$ 23.06	0.00	$ 581.50	-	Best	1	$ 19.53	3.40%							
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 53.49	$ 60.39	0%	$ -	1.00	$ -	$ -	$ 248.08	$ 253.50	$ 561.97	$ 79.47	0.00	$ 587.95	Best	-	1	-	-							
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 305.50	$ 280.88	$ 608.80	$ 23.06	0.00	$ 616.33	-	-	0	-	-							
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 293.58	$ 288.99	$ 604.99	$ 23.06	0.00	$ 612.53	-	-	0	-	-							
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 403.65	$ 245.39	$ 649.04	$ -	0.00	$ 649.04	-	-	0	-	-							
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 416.11	$ 241.33	$ 657.44	$ -	0.00	$ 657.44	-	-	0	-	-							
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 378.73	$ 239.30	$ 618.04	$ -	0.00	$ 618.04	-	-	0	-	-							
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 340.17	$ 330.56	$ 690.73	$ -	0.00	$ 690.73	-	-	0	-	-							
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 306.05	$ 221.05	$ 549.52	$ 23.06	0.00	$ 557.06	-	-	0	-	-							
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 55.40	$ 62.30	0%	$ -	1.00	$ -	$ -	$ 228.58	$ 232.21	$ 523.09	$ 82.31	0.00	$ 550.00	Best	Best	0	$ 26.91	5.15%							
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 299.00	$ 283.92	$ 605.34	$ 23.06	0.00	$ 612.88	-	-	0	-	-							
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 287.08	$ 292.03	$ 601.53	$ 23.06	0.00	$ 609.07	-	-	0	-	-							
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 393.68	$ 231.19	$ 624.88	$ -	0.00	$ 624.88	-	-	0	-	-							
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 406.14	$ 227.14	$ 633.28	$ -	0.00	$ 633.28	-	-	0	-	-							
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 436.04	$ 288.99	$ 725.03	$ -	0.00	$ 725.03	-	-	0	-	-							
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329		Exit 6 to NYSTA		0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 333.67	$ 333.61	$ 687.27	$ -	0.00	$ 687.27	-	-	0	-	-							
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 468.91	$ 323.47	$ 814.80	$ 23.06	0.00	$ 822.33	-	-	0	-	-							
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 75.48	$ 82.38	0%	$ -	1.00	$ -	$ -	$ 314.17	$ 319.41	$ 715.95	$ 112.14	0.00	$ 752.62	Best	Best	0	$ 36.67	5.12%							
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 394.33	$ 400.53	$ 817.28	$ 23.06	0.00	$ 824.82	-	-	0	-	-							
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 33.61	$ 40.51	0%	$ -	1.00	$ -	$ -	$ 371.58	$ 379.24	$ 791.33	$ 49.94	0.00	$ 807.66	-	-	0	-	-							
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 541.94	$ 322.45	$ 864.39	$ -	0.00	$ 864.39	-	-	0	-	-							
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 553.15	$ 319.41	$ 872.56	$ -	0.00	$ 872.56	-	-	0	-	-							
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 436.58	$ 438.05	$ 894.63	$ -	0.00	$ 894.63	-	-	0	-	-							
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 56.06	$ 62.96	0%	$ -	1.15	$ -	$ -	$ 458.60	$ 374.17	$ 895.73	$ 83.30	0.00	$ 922.96	-	-	0	-	-							
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 95.95	$ 102.85	0%	$ -	1.00	$ -	$ -	$ 366.17	$ 376.19	$ 845.21	$ 142.55	0.00	$ 891.82	Best	Best	0	$ 46.61	5.51%							
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 56.06	$ 62.96	0%	$ -	1.00	$ -	$ -	$ 433.33	$ 429.94	$ 926.23	$ 83.30	0.00	$ 953.47	-	-	0	-	-							
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 530.83	$ 430.95	$ 968.68	$ -	0.00	$ 968.68	-	-	0	-	-							
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 678.98	$ 382.28	$ 1,061.26	$ -	0.00	$ 1,061.26	-	-	0	-	-							
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 647.83	$ 377.21	$ 1,025.04	$ -	0.00	$ 1,025.04	-	-	0	-	-							
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 487.50	$ 464.41	$ 971.91	$ -	0.00	$ 971.91	-	-	0	-	-							
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 101.19	$ 108.09	0%	$ -	1.00	$ -	$ -	$ 475.58	$ 477.59	$ 1,061.27	$ 150.35	0.00	$ 1,110.43	Best	Best	0	$ 49.16	4.63%							
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 40.61	$ 61.51	0%	$ -	1.00	$ -	$ -	$ 527.58	$ 501.93	$ 1,091.02	$ 60.34	0.00	$ 1,110.75	-	-	0	-	-							
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 55.40	$ 69.40	0%	$ -	1.00	$ -	$ -	$ 524.33	$ 497.87	$ 1,091.61	$ 82.31	0.00	$ 1,118.52	-	-	0	-	-							
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	0%	$ -	1.15	$ -	$ -	$ 745.01	$ 480.64	$ 1,257.64	$ -	0.00	$ 1,257.64	-	-	0	-	-							
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 20.77	$ 67.67	0%	$ -	1.00	$ -	$ -	$ 531.92	$ 524.24	$ 1,123.82	$ 30.85	0.00	$ 1,133.91	-	-	0	-	-							
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 5.25	$ 72.15	0%	$ -	1.00	$ -	$ -	$ 575.25	$ 561.76	$ 1,209.15	$ 7.80	0.00	$ 1,211.70	-	-	0	-	-							
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 36.45	$ 91.50	0%	$ -	1.00	$ -	$ -	$ 195.00	$ 180.49	$ 466.99	$ 54.16	0.00	$ 484.70	Best	Best	0	$ 17.71	3.79%							
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 5.25	$ 60.30	0%	$ -	1.15	$ -	$ -	$ 370.01	$ 180.49	$ 610.80	$ 7.80	0.00	$ 613.35	-	-	0	-	-							
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 63.88	$ 118.93	0%	$ -	1.00	$ -	$ -	$ 193.92	$ 185.56	$ 498.41	$ 94.91	0.00	$ 529.44	-	-	0	-	-							
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 9.88	$ 84.93	0%	$ -	1.15	$ -	$ -	$ 317.69	$ 189.62	$ 592.24	$ 14.68	0.00	$ 597.04	-	-	0	-	-							
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 36.45	$ 206.50	0%	$ -	1.00	$ -	$ -	$ 199.33	$ 180.49	$ 586.33	$ 54.16	0.00	$ 604.03	-	-	0	-	-							
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 77.75	$ 132.80	0%	$ -	1.15	$ -	$ -	$ 361.29	$ 181.51	$ 675.60	$ 139.35	0.00	$ 737.20	-	-	0	-	-							
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 108.96	$ 164.01	0%	$ -	1.00	$ -	$ -	$ 192.83	$ 185.56	$ 542.40	$ 185.71	0.00	$ 619.15	-	-	0	-	-							
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 27.73	$ 102.78	0%	$ -	1.00	$ -	$ -	$ 198.25	$ 190.63	$ 491.67	$ 41.21	0.00	$ 505.14	Best	Best	0	$ 13.47	2.74%							
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 36.45	$ 36.45	0%	$ -	1.00	$ -	$ -	$ 178.75	$ 163.25	$ 378.45	$ 54.16	0.00	$ 396.16	Best	Best	0	$ 17.71	4.68%							
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 318.50	$ 275.81	$ 594.31	$ -	0.00	$ 594.31	-	-	0	-	-							
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 80.43	$ 80.43	0%	$ -	1.00	$ -	$ -	$ 273.00	$ 295.07	$ 648.50	$ 119.50	0.00	$ 687.57	Best	Best	0	$ 39.07	6.02%							
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 351.00	$ 340.70	$ 691.70	$ -	0.00	$ 691.70	-	-	0	-	-							
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 433.55	$ 281.89	$ 715.44	$ -	0.00	$ 715.44	-	-	0	-	-							
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 32.88	$ 32.88	0%	$ -	1.00	$ -	$ -	$ 165.75	$ 150.07	$ 348.71	$ 48.86	0.00	$ 364.68	Best	Best	0	$ 15.98	4.58%							
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 2.51	$ 2.51	0%	$ -	1.00	$ -	$ -	$ 6,563.92	$ 158.18	$ 6,724.61	$ 3.73	0.00	$ 6,725.83	-	-	0	-	-							
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 325.00	$ 315.35	$ 665.35	$ -	0.00	$ 665.35	-	-	0	-	-							
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 94.62	$ 94.62	0%	$ -	1.00	$ -	$ -	$ 356.42	$ 375.18	$ 826.22	$ 140.59	0.00	$ 872.19	-	-	0	-	-							
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 18.09	$ 43.09	0%	$ -	1.00	$ -	$ -	$ 345.58	$ 339.69	$ 728.37	$ 26.88	0.00	$ 737.16	Best	Best	0	$ 8.79	1.21%							
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 353.17	$ 359.97	$ 738.14	$ -	0.00	$ 738.14	-	-	0	-	-							
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 115.09	$ 115.09	0%	$ -	1.00	$ -	$ -	$ 418.17	$ 440.08	$ 973.34	$ 171.01	0.00	$ 1,029.25	-	-	0	-	-							
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 38.56	$ 63.56	0%	$ -	1.00	$ -	$ -	$ 424.67	$ 405.60	$ 893.83	$ 57.30	0.00	$ 912.56	-	-	0	-	-							
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 409.50	$ 385.32	$ 819.82	$ -	0.00	$ 819.82	Best	Best	0	$ -	0.00%							
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 31.96	$ 31.96	0%	$ -	1.00	$ -	$ -	$ 167.92	$ 164.27	$ 364.14	$ 47.49	0.00	$ 379.67	Best	Best	0	$ 15.53	4.26%							
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$

Value of Time $/h = 75

Class 5H Vehicles Paying with Tolls by Mail

						Additional Route Detail				Toll Rates		Impact Factors												Cost/h VOT = >>	$ 75.00	Impacts on Drivers						
																								Cost/mile	$ 1.01	Value of Time $/h = 75						
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %						
			hours	minutes																												
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 478.75	$ 355.91	$ 867.18	$ 23.06	0.00	$ 874.72	-	Best	1	$ 9.83	1.13%						
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 53.49	$ 70.49	0%	$ -	1.00	$ -	$ -	$ 421.25	$ 373.15	$ 864.89	$ 79.47	0.00	$ 890.87	Best	-	1	-	-						
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 475.00	$ 396.47	$ 903.99	$ 23.06	0.00	$ 911.53	-	-	0	-	-						
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 470.00	$ 412.70	$ 915.22	$ 23.06	0.00	$ 922.75	-	-	0	-	-						
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 587.94	$ 332.59	$ 924.03	$ -	0.00	$ 924.03	-	-	0	-	-						
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 708.69	$ 369.10	$ 1,081.28	$ -	0.00	$ 1,081.28	-	-	0	-	-						
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 513.75	$ 443.12	$ 982.62	$ -	0.00	$ 982.62	-	-	0	-	-						
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.15	$ -	$ -	$ 530.35	$ 341.72	$ 904.59	$ 23.06	0.00	$ 912.13	-	-	0	-	-						
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 460.00	$ 399.52	$ 892.03	$ 23.06	0.00	$ 899.57	-	-	0	-	-						
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 55.40	$ 72.40	0%	$ -	1.00	$ -	$ -	$ 386.25	$ 351.86	$ 810.51	$ 82.31	0.00	$ 837.42	Best	-	1	-	-						
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 526.13	$ 295.07	$ 824.70	$ -	0.00	$ 824.70	-	Best	1	$ 14.19	1.72%						
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 579.31	$ 328.54	$ 911.35	$ -	0.00	$ 911.35	-	-	0	-	-						
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 698.63	$ 353.89	$ 1,056.01	$ -	0.00	$ 1,056.01	-	-	0	-	-						
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 78.84	$ 95.84	0%	$ -	1.00	$ -	$ -	$ 496.25	$ 441.09	$ 1,033.18	$ 117.14	0.00	$ 1,071.48	Best	Best	0	$ 38.30	3.71%						
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 35.59	$ 52.59	0%	$ -	1.00	$ -	$ -	$ 565.00	$ 504.97	$ 1,122.56	$ 52.88	0.00	$ 1,139.85	-	-	0	-	-						
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52		0%	$ -	1.00	$ -	$ -	$ 591.25	$ 525.25	$ 1,116.50	$ 23.06	0.00	$ 1,156.56	-	-	0	-	-						
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 835.19	$ 444.13	$ 1,282.82	$ -	0.00	$ 1,282.82	-	-	0	-	-						
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 694.31	$ 389.38	$ 1,083.69	$ -	0.00	$ 1,083.69	-	-	0	-	-						
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 628.75	$ 551.62	$ 1,206.12	$ -	0.00	$ 1,206.12	-	-	0	-	-						
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 95.95	$ 112.95	0%	$ -	1.00	$ -	$ -	$ 552.50	$ 496.86	$ 1,162.31	$ 142.55	0.00	$ 1,208.91	Best	Best	0	$ 46.61	4.01%						
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 657.50	$ 548.57	$ 1,238.59	$ 23.06	0.00	$ 1,246.13	-	-	0	-	-						
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 812.19	$ 447.17	$ 1,259.36	$ -	0.00	$ 1,259.36	-	-	0	-	-						
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 697.50	$ 577.98	$ 1,301.23	$ -	0.00	$ 1,301.23	-	-	0	-	-						
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 712.50	$ 592.18	$ 1,330.43	$ -	0.00	$ 1,330.43	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 101.19	$ 118.19	0%	$ -	1.00	$ -	$ -	$ 663.75	$ 594.20	$ 1,376.15	$ 150.35	0.00	$ 1,425.31	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 40.61	$ 71.61	0%	$ -	1.00	$ -	$ -	$ 738.75	$ 625.64	$ 1,436.00	$ 60.34	0.00	$ 1,455.73	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 72.52	0%	$ -	1.00	$ -	$ -	$ 753.75	$ 642.88	$ 1,469.14	$ 23.06	0.00	$ 1,476.68	-	-	0	-	-						
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.50	0%	$ -	1.00	$ -	$ -	$ 707.50	$ 617.53	$ 1,328.53	$ -	0.00	$ 1,328.53	Best	Best	0	$ -	0.00%						
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 65.75	0%	$ -	1.00	$ -	$ -	$ 812.50	$ 678.37	$ 1,556.62	$ -	0.00	$ 1,556.62	-	-	0	-	-						
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 364.96	$ 235.25	$ 622.62	$ 23.06	0.00	$ 630.16	-	-	0	-	-						
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 53.49	$ 60.39	0%	$ -	1.00	$ -	$ -	$ 286.25	$ 253.50	$ 600.14	$ 79.47	0.00	$ 626.12	Best	Best	0	$ 25.98	4.33%						
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 352.50	$ 280.88	$ 655.80	$ 23.06	0.00	$ 663.33	-	-	0	-	-						
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 338.75	$ 288.99	$ 650.16	$ 23.06	0.00	$ 657.70	-	-	0	-	-						
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 465.75	$ 245.39	$ 711.14	$ -	0.00	$ 711.14	-	-	0	-	-						
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 480.13	$ 241.33	$ 721.46	$ -	0.00	$ 721.46	-	-	0	-	-						
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 437.00	$ 239.30	$ 676.30	$ -	0.00	$ 676.30	-	-	0	-	-						
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 392.50	$ 330.56	$ 743.06	$ -	0.00	$ 743.06	-	-	0	-	-						
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 353.13	$ 221.05	$ 596.60	$ 23.06	0.00	$ 604.14	-	-	0	-	-						
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 55.40	$ 62.30	0%	$ -	1.00	$ -	$ -	$ 263.75	$ 232.21	$ 558.26	$ 82.31	0.00	$ 585.17	Best	Best	0	$ 26.91	4.82%						
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 345.00	$ 283.92	$ 651.34	$ 23.06	0.00	$ 658.88	-	-	0	-	-						
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 331.25	$ 292.03	$ 645.70	$ 23.06	0.00	$ 653.24	-	-	0	-	-						
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 454.25	$ 231.19	$ 685.44	$ -	0.00	$ 685.44	-	-	0	-	-						
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 468.63	$ 227.14	$ 695.76	$ -	0.00	$ 695.76	-	-	0	-	-						
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 503.13	$ 288.99	$ 792.12	$ -	0.00	$ 792.12	-	-	0	-	-						
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 385.00	$ 333.61	$ 738.61	$ -	0.00	$ 738.61	-	-	0	-	-						
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 541.05	$ 323.47	$ 886.94	$ 23.06	0.00	$ 894.48	-	-	0	-	-						
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 75.48	$ 82.38	0%	$ -	1.00	$ -	$ -	$ 362.50	$ 319.41	$ 764.29	$ 112.14	0.00	$ 800.95	Best	Best	0	$ 36.67	4.80%						
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 455.00	$ 400.53	$ 877.95	$ 23.06	0.00	$ 885.49	-	-	0	-	-						
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 33.61	$ 40.51	0%	$ -	1.00	$ -	$ -	$ 428.75	$ 379.24	$ 848.50	$ 49.94	0.00	$ 864.82	-	-	0	-	-						
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 625.31	$ 322.45	$ 947.76	$ -	0.00	$ 947.76	-	-	0	-	-						
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 638.25	$ 319.41	$ 957.66	$ -	0.00	$ 957.66	-	-	0	-	-						
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 503.75	$ 438.05	$ 961.80	$ -	0.00	$ 961.80	-	-	0	-	-						
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 56.06	$ 62.96	0%	$ -	1.15	$ -	$ -	$ 529.16	$ 374.17	$ 966.28	$ 83.30	0.00	$ 993.52	-	-	0	-	-						
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 95.95	$ 102.85	0%	$ -	1.00	$ -	$ -	$ 422.50	$ 376.19	$ 901.54	$ 142.55	0.00	$ 948.15	Best	Best	0	$ 46.61	5.17%						
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 56.06	$ 62.96	0%	$ -	1.00	$ -	$ -	$ 500.00	$ 429.94	$ 992.90	$ 83.30	0.00	$ 1,020.13	-	-	0	-	-						
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 612.50	$ 430.95	$ 1,050.35	$ -	0.00	$ 1,050.35	-	-	0	-	-						
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 783.44	$ 382.28	$ 1,165.72	$ -	0.00	$ 1,165.72	-	-	0	-	-						
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 747.50	$ 377.21	$ 1,124.71	$ -	0.00	$ 1,124.71	-	-	0	-	-						
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 562.50	$ 464.41	$ 1,046.91	$ -	0.00	$ 1,046.91	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 101.19	$ 108.09	0%	$ -	1.00	$ -	$ -	$ 548.75	$ 477.59	$ 1,134.44	$ 150.35	0.00	$ 1,183.60	Best	Best	0	$ 49.16	4.33%						
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 40.61	$ 61.51	0%	$ -	1.00	$ -	$ -	$ 608.75	$ 501.93	$ 1,172.19	$ 60.34	0.00	$ 1,191.92	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 55.40	$ 69.40	0%	$ -	1.00	$ -	$ -	$ 605.00	$ 497.87	$ 1,172.28	$ 82.31	0.00	$ 1,199.19	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	0%	$ -	1.15	$ -	$ -	$ 859.63	$ 480.64	$ 1,372.26	$ -	0.00	$ 1,372.26	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 20.77	$ 67.67	0%	$ -	1.00	$ -	$ -	$ 613.75	$ 524.24	$ 1,205.65	$ 30.85	0.00	$ 1,215.74	-	-	0	-	-						
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 5.25	$ 72.15	0%	$ -	1.00	$ -	$ -	$ 663.75	$ 561.76	$ 1,297.65	$ 7.80	0.00	$ 1,300.20	-	-	0	-	-						
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 36.45	$ 91.50	0%	$ -	1.00	$ -	$ -	$ 225.00	$ 180.49	$ 496.99	$ 54.16	0.00	$ 514.70	Best	Best	0	$ 17.71	3.56%						
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 5.25	$ 60.30	0%	$ -	1.15	$ -	$ -	$ 426.94	$ 180.49	$ 667.73	$ 7.80	0.00	$ 670.28	-	-	0	-	-						
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 63.88	$ 118.93	0%	$ -	1.00	$ -	$ -	$ 223.75	$ 185.56	$ 528.24	$ 94.91	0.00	$ 559.27	-	-	0	-	-						
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 9.88	$ 84.93	0%	$ -	1.15	$ -	$ -	$ 366.56	$ 189.62	$ 641.11	$ 14.68	0.00	$ 645.91	-	-	0	-	-						
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 36.45	$ 206.50	0%	$ -	1.00	$ -	$ -	$ 230.00	$ 180.49	$ 616.99	$ 54.16	0.00	$ 634.70	-	-	0	-	-						
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 77.75	$ 132.80	0%	$ -	1.15	$ -	$ -	$ 416.88	$ 181.51	$ 731.18	$ 139.35	0.00	$ 792.78	-	-	0	-	-						
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 108.96	$ 164.01	0%	$ -	1.00	$ -	$ -	$ 222.50	$ 185.56	$ 572.07	$ 185.71	0.00	$ 648.82	-	-	0	-	-						
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 27.73	$ 102.78	0%	$ -	1.00	$ -	$ -	$ 228.75	$ 190.63	$ 522.17	$ 41.21	0.00	$ 535.64	Best	Best	0	$ 13.47	2.58%						
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 36.45	$ 36.45	0%	$ -	1.00	$ -	$ -	$ 206.25	$ 163.25	$ 405.95	$ 54.16	0.00	$ 423.66	Best	Best	0	$ 17.71	4.36%						
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 367.50	$ 275.81	$ 643.31	$ -	0.00	$ 643.31	-	-	0	-	-						
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 80.43	$ 80.43	0%	$ -	1.00	$ -	$ -	$ 315.00	$ 295.07	$ 690.50	$ 119.50	0.00	$ 729.57	Best	Best	0	$ 39.07	5.66%						
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 405.00	$ 340.70	$ 745.70	$ -	0.00	$ 745.70	-	-	0	-	-						
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 500.25	$ 281.89	$ 782.14	$ -	0.00	$ 782.14	-	-	0	-	-						
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 32.88	$ 32.88	0%	$ -	1.00	$ -	$ -	$ 191.25	$ 150.07	$ 374.21	$ 48.86	0.00	$ 390.18	Best	Best	0	$ 15.98	4.27%						
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 2.51	$ 2.51	0%	$ -	1.00	$ -	$ -	$ 7,573.75	$ 158.18	$ 7,734.44	$ 3.73	0.00	$ 7,735.66	-	-	0	-	-						
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 375.00	$ 315.35	$ 715.35	$ -	0.00	$ 715.35	-	-	0	-	-						
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 94.62	$ 94.62	0%	$ -	1.00	$ -	$ -	$ 411.25	$ 375.18	$ 881.05	$ 140.59	0.00	$ 927.02	-	-	0	-	-						
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 18.09	$ 43.09	0%	$ -	1.00	$ -	$ -	$ 398.75	$ 339.69	$ 781.53	$ 26.88	0.00	$ 790.32	Best	Best	0	$ 8.79	1.12%						
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 407.50	$ 359.97	$ 792.47	$ -	0.00	$ 792.47	-	-	0	-	-						
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 115.09	$ 115.09	0%	$ -	1.00	$ -	$ -	$ 482.50	$ 440.08	$ 1,037.67	$ 171.01	0.00	$ 1,093.58	-	-	0	-	-						
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 38.56	$ 63.56	0%	$ -	1.00	$ -	$ -	$ 490.00	$ 405.60	$ 959.16	$ 57.30	0.00	$ 977.90	-	-	0	-	-						
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 472.50	$ 385.32	$ 882.82	$ -	0.00	$ 882.82	Best	Best	0	$ -	0.00%						
Rochester	Erie	I-90 (Exit 46 to PA Line)	2	35	162	Exit 47 to Exit 50 & Lackawanna to Pa Line			124.4	$ 31.96	$ 31.96	0%	$ -	1.00	$ -	$ -	$ 193.75	$ 164.27	$ 389.98	$ 47.49	0.00	$ 405.50	Best	Best	0	$ 15.53	3.98%						
Rochester	Erie	I390 and I86 (I390,408,19,I86)	3	41	207				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 276.25	$ 209.90	$ 486.15	$ -	0.00	$ 486.15	-	-	0	-	-						
Rochester	Erie	US 20 and

Value of Time $/h = 85

Class 5H Vehicles Paying with Tolls by Mail

						Additional Route Detail				Toll Rates		Impact Factors																										
Origin	Destination	Route	Time		Distance (Mi)	NYSTA Exit to Exit	MassDOT Toll	NHDOT Toll	NYSTA Dist	NYSTA Toll (Total)	Total Trip Toll	Volume Discount	Tax Credit/mile	Traffic Light Delay	Volume Discount	Veh Mile Tax Credit	Cost of Time	Cost of Distance	Current Trip Cost	New Increased NY Toll	New Vol Disc w/Increased NY Toll	New Increased Total Trip Cost	Best (Base)	Best (New)	Route Changes	Delta ($)	Delta %										
			hours	minutes																																
Manchester, NH	Skaneateles	I-90 and US-20(w of Albany)	6	23	351	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 542.58	$ 355.91	$ 931.01	$ 23.06	0.00	$ 938.55	-	Best	1	$ 17.50	1.88%										
Manchester, NH	Skaneateles	I-90 (Exit 34A)	5	37	368	Ma Line to Exit 34A	Exit 10 to NYSTA	I-293 to Mass line	166.3	$ 53.49	$ 70.49	0%	$ -	1.00	$ -	$ -	$ 477.42	$ 373.15	$ 921.05	$ 79.47	0.00	$ 947.04	Best	-	1	-	-										
Manchester, NH	Skaneateles	I-90 and I-88(NY 41,I-81)	6	20	391	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 538.33	$ 396.47	$ 967.32	$ 23.06	0.00	$ 974.86	-	-	0	-	-										
Manchester, NH	Skaneateles	I-90 and I-88 (to I-81)	6	16	407	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 532.67	$ 412.70	$ 977.88	$ 23.06	0.00	$ 985.42	-	-	0	-	-										
Manchester, NH	Skaneateles	MA-2 and US-20 (I-90 thru Albany)	6	49	328			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 666.33	$ 332.59	$ 1,002.42	$ -	0.00	$ 1,002.42	-	-	0	-	-										
Manchester, NH	Skaneateles	US-20 (from w of Boston)	8	13	364			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 803.18	$ 369.10	$ 1,175.78	$ -	0.00	$ 1,175.78	-	-	0	-	-										
Manchester, NH	Skaneateles	I-84 (I-84,NBB,I-86, I-81)	6	51	437		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 582.25	$ 443.12	$ 1,051.12	$ -	0.00	$ 1,051.12	-	-	0	-	-										
Manchester, NH	Syracuse	I-90 and US-20	6	16	337	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.15	$ -	$ -	$ 601.07	$ 341.72	$ 975.30	$ 23.06	0.00	$ 982.84	-	-	0	-	-										
Manchester, NH	Syracuse	I-90 and I-88(NY 41,I-81)	6	8	394	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 521.33	$ 399.52	$ 953.37	$ 23.06	0.00	$ 960.91	-	-	0	-	-										
Manchester, NH	Syracuse	I-90 (Exit 36)	5	9	347	Ma Line to Exit 36	Exit 10 to NYSTA	I-293 to Mass line	172.6	$ 55.40	$ 72.40	0%	$ -	1.00	$ -	$ -	$ 437.75	$ 351.86	$ 862.01	$ 82.31	0.00	$ 888.92	Best	Best	0	$ 26.91	3.12%										
Manchester, NH	Syracuse	VT-9 and US-20	6	6	291			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 596.28	$ 295.07	$ 894.85	$ -	0.00	$ 894.85	-	-	0	-	-										
Manchester, NH	Syracuse	MA-2 and US-20	6	43	324			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 656.55	$ 328.54	$ 988.59	$ -	0.00	$ 988.59	-	-	0	-	-										
Manchester, NH	Syracuse	US-20	8	6	349			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 791.78	$ 353.89	$ 1,149.16	$ -	0.00	$ 1,149.16	-	-	0	-	-										
Manchester, NH	Rochester	I-90 (Exit 46)	6	37	435	Ma Line to Exit 46	Exit 10 to NYSTA	I-293 to Mass line	252.1	$ 78.84	$ 95.84	0%	$ -	1.00	$ -	$ -	$ 562.42	$ 441.09	$ 1,099.35	$ 117.14	0.00	$ 1,137.65	Best	Best	0	$ 38.30	3.48%										
Manchester, NH	Rochester	I-90 and I-88 (I-81, I-90)	7	32	498	Ma Line to Exit 25A & Exit 36 to Exit 45	Exit 10 to NYSTA	I-293 to Mass line	117.6	$ 35.59	$ 52.59	0%	$ -	1.00	$ -	$ -	$ 640.33	$ 504.97	$ 1,197.90	$ 52.88	0.00	$ 1,215.19	-	-	0	-	-										
Manchester, NH	Rochester	I-90 and I-88 (I-86, I-390)	7	53	518	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52		0%	$ -	1.00	$ -	$ -	$ 670.08	$ 525.25	$ 1,195.34	$ 23.06	0.00	$ 1,235.39	-	-	0	-	-										
Manchester, NH	Rochester	US-20 (Incl I-90 thru Albany)	9	41	438			I-293 to Mass line	0	$ -	$ 3.50	0%	$ -	1.15	$ -	$ -	$ 946.55	$ 444.13	$ 1,394.18	$ -	0.00	$ 1,394.18	-	-	0	-	-										
Manchester, NH	Rochester	VT-9, US-20, NY 104	8	3	384				0	$ -		0%	$ -	1.15	$ -	$ -	$ 786.89	$ 389.38	$ 1,176.26	$ -	0.00	$ 1,176.26	-	-	0	-	-										
Manchester, NH	Rochester	I-84 (I-84,NBB,I-86,I-390)	8	23	544		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 712.58	$ 551.62	$ 1,289.95	$ -	0.00	$ 1,289.95	-	-	0	-	-										
Manchester, NH	Buffalo	I-90 (Exit 51)	7	22	490	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 95.95	$ 112.95	0%	$ -	1.00	$ -	$ -	$ 626.17	$ 496.86	$ 1,235.97	$ 142.55	0.00	$ 1,282.58	Best	Best	0	$ 46.61	3.77%										
Manchester, NH	Buffalo	I-90 and I-88(I-86,I-390,36,20A)	8	46	541	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 32.52	0%	$ -	1.00	$ -	$ -	$ 745.17	$ 548.57	$ 1,326.26	$ 23.06	0.00	$ 1,333.80	-	-	0	-	-										
Manchester, NH	Buffalo	US - 20(VT-9)	9	25	441				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 920.48	$ 447.17	$ 1,367.65	$ -	0.00	$ 1,367.65	-	-	0	-	-										
Manchester, NH	Buffalo	I-84 and NY-17(I-84,NBB,I-86,I-390,NY36,20A)	9	18	570		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 790.50	$ 577.98	$ 1,394.23	$ -	0.00	$ 1,394.23	-	-	0	-	-										
Manchester, NH	Buffalo	I-84 (I-84,NBB,I-86,I-390,NY36,20A)	9	30	584		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 25.75	0%	$ -	1.00	$ -	$ -	$ 807.50	$ 592.18	$ 1,425.43	$ -	0.00	$ 1,425.43	-	-	0	-	-										
Manchester, NH	Brampton (Ontario)	I-90 (Exit 50, I290, I190, GIB)	8	51	586	Ma Line to Williamsville	Exit 10 to NYSTA	I-293 to Mass line	310	$ 101.19	$ 118.19	0%	$ -	1.00	$ -	$ -	$ 752.25	$ 594.20	$ 1,464.65	$ 150.35	0.00	$ 1,513.81	-	-	0	-	-										
Manchester, NH	Brampton (Ontario)	I - 90 and ON-401(via NY 12, I-81, TIB)	9	51	617	Ma Line to Exit 31	Exit 10 to NYSTA	I-293 to Mass line	122.5	$ 40.61	$ 71.61	0%	$ -	1.00	$ -	$ -	$ 837.25	$ 625.64	$ 1,534.50	$ 60.34	0.00	$ 1,554.23	-	-	0	-	-										
Manchester, NH	Brampton (Ontario)	I-88 & I-90(I-88, I-86,I390,NY36,63,I-90,I290,I190,405,407	10	3	634	Ma Line to Exit 25A	Exit 10 to NYSTA	I-293 to Mass line	48.5	$ 15.52	$ 72.52	0%	$ -	1.00	$ -	$ -	$ 854.25	$ 642.88	$ 1,569.64	$ 23.06	0.00	$ 1,577.18	-	-	0	-	-										
Manchester, NH	Brampton (Ontario)	ON-401(via I-89 to Montreal, Samuel de Champlain Br)	9	26	609			I-93 N to I-89	0	$ -	$ 3.50	0%	$ -	1.00	$ -	$ -	$ 801.83	$ 617.53	$ 1,422.86	$ -	0.00	$ 1,422.86	Best	Best	0	$ -	0.00%										
Manchester, NH	Brampton (Ontario)	I-84(I-84, NBB, I-86,I-390,NY36,20A,I-190)	10	50	669		Exit 10 to 9	I-293 to Mass line	0	$ -	$ 65.75	0%	$ -	1.00	$ -	$ -	$ 920.83	$ 678.37	$ 1,664.95	$ -	0.00	$ 1,664.95	-	-	0	-	-										
Springfield, MA	Skaneateles	I-90 and US-20 (w of Albany)	4	21	232	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 413.62	$ 235.25	$ 671.28	$ 23.06	0.00	$ 678.82	-	-	0	-	-										
Springfield, MA	Skaneateles	I-90	3	49	250	Ma Line to Exit 34A	Exit 6 to NYSTA		166.3	$ 53.49	$ 60.39	0%	$ -	1.00	$ -	$ -	$ 324.42	$ 253.50	$ 638.30	$ 79.47	0.00	$ 664.29	Best	Best	0	$ 25.98	4.07%										
Springfield, MA	Skaneateles	I-90 and I-88 (NY41,I-81)	4	42	277	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 399.50	$ 280.88	$ 702.80	$ 23.06	0.00	$ 710.33	-	-	0	-	-										
Springfield, MA	Skaneateles	I-90 and I-88 (I-81)	4	31	285	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 383.92	$ 288.99	$ 695.32	$ 23.06	0.00	$ 702.86	-	-	0	-	-										
Springfield, MA	Skaneateles	NY-145 & US-20(US20,NY23,145,US20)	5	24	242				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 527.85	$ 245.39	$ 773.24	$ -	0.00	$ 773.24	-	-	0	-	-										
Springfield, MA	Skaneateles	US-20(Avoid all tolls)	5	34	238				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 544.14	$ 241.33	$ 785.47	$ -	0.00	$ 785.47	-	-	0	-	-										
Springfield, MA	Skaneateles	US-20(Mass Trnpike and avoid NY tolls)	5	4	236				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 495.27	$ 239.30	$ 734.57	$ -	0.00	$ 734.57	-	-	0	-	-										
Springfield, MA	Skaneateles	I 84 (I84, NBB, NY17, I-81)	5	14	326				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 444.83	$ 330.56	$ 795.40	$ -	0.00	$ 795.40	-	-	0	-	-										
Springfield, MA	Syracuse	I-90 and US-20 (w of Albany)	4	13	218	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 400.22	$ 221.05	$ 643.69	$ 23.06	0.00	$ 651.23	-	-	0	-	-										
Springfield, MA	Syracuse	I-90 (Exit 36)	3	31	229	Ma Line to Exit 36	Exit 6 to NYSTA		172.6	$ 55.40	$ 62.30	0%	$ -	1.00	$ -	$ -	$ 298.92	$ 232.21	$ 593.42	$ 82.31	0.00	$ 620.34	Best	Best	0	$ 26.91	4.54%										
Springfield, MA	Syracuse	I - 90 and I -88(NY 41,I-81)	4	36	280	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 391.00	$ 283.92	$ 697.34	$ 23.06	0.00	$ 704.88	-	-	0	-	-										
Springfield, MA	Syracuse	I - 90 and I -88(I-81)	4	25	288	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 375.42	$ 292.03	$ 689.87	$ 23.06	0.00	$ 697.40	-	-	0	-	-										
Springfield, MA	Syracuse	NY-145 and US-20	5	16	228				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 514.82	$ 231.19	$ 746.01	$ -	0.00	$ 746.01	-	-	0	-	-										
Springfield, MA	Syracuse	US-20 (entire route)	5	26	224				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 531.11	$ 227.14	$ 758.24	$ -	0.00	$ 758.24	-	-	0	-	-										
Springfield, MA	Syracuse	US - 20 and I-88	5	50	285				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 570.21	$ 288.99	$ 859.20	$ -	0.00	$ 859.20	-	-	0	-	-										
Springfield, MA	Syracuse	I-84 (I-91,I-84,NBB,NY17,I-86,I-81)	5	8	329				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 436.33	$ 333.61	$ 789.94	$ -	0.00	$ 789.94	-	-	0	-	-										
Springfield, MA	Rochester	I-90 and US-20 (w of Albany)	6	24	319	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.15	$ -	$ -	$ 613.19	$ 323.47	$ 959.08	$ 23.06	0.00	$ 966.62	-	-	0	-	-										
Springfield, MA	Rochester	I-90 (Exit 45)	4	50	315	Ma Line to Exit 45	Exit 6 to NYSTA		241.7	$ 75.48	$ 82.38	0%	$ -	1.00	$ -	$ -	$ 410.83	$ 319.41	$ 812.62	$ 112.14	0.00	$ 849.28	Best	Best	0	$ 36.67	4.51%										
Springfield, MA	Rochester	I - 88(I-90,I-88,I-86,I-390)	6	4	395	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 15.52	$ 22.42	0%	$ -	1.00	$ -	$ -	$ 515.67	$ 400.53	$ 938.61	$ 23.06	0.00	$ 946.15	-	-	0	-	-										
Springfield, MA	Rochester	I-88 and I-90(I-90,I-88,I-81,I-90,I-490)	5	43	374	Ma Line to Exit 25A & Exit 39 to 45	Exit 6 to NYSTA		111	$ 33.61	$ 40.51	0%	$ -	1.00	$ -	$ -	$ 485.92	$ 379.24	$ 905.66	$ 49.94	0.00	$ 921.99	-	-	0	-	-										
Springfield, MA	Rochester	NY 145 and US - 20 (Rte 23,NY 145,US20)	7	15	318				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 708.69	$ 322.45	$ 1,031.14	$ -	0.00	$ 1,031.14	-	-	0	-	-										
Springfield, MA	Rochester	US - 20	7	24	315				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 723.35	$ 319.41	$ 1,042.76	$ -	0.00	$ 1,042.76	-	-	0	-	-										
Springfield, MA	Rochester	I-84 (I-91,I-84, NBB,NY17,I-86,I-390)	6	43	432				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 570.92	$ 438.05	$ 1,028.96	$ -	0.00	$ 1,028.96	-	-	0	-	-										
Springfield, MA	Buffalo	US - 20 and I-90(I-90,I88,20,92,690,I-90)	6	34	369	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		185.9	$ 56.06	$ 62.96	0%	$ -	1.15	$ -	$ -	$ 599.71	$ 374.17	$ 1,036.84	$ 83.30	0.00	$ 1,064.07	-	-	0	-	-										
Springfield, MA	Buffalo	I-90	5	38	371	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 95.95	$ 102.85	0%	$ -	1.00	$ -	$ -	$ 478.83	$ 376.19	$ 957.87	$ 142.55	0.00	$ 1,004.48	Best	Best	0	$ 46.61	4.87%										
Springfield, MA	Buffalo	I-88 & I-90(I-90,I-88,I-81,I690,I-90)	6	40	424	Ma Line to Exit 25A & Exit 36 to Williamsville	Exit 6 to NYSTA		0	$ 56.06	$ 62.96	0%	$ -	1.00	$ -	$ -	$ 566.67	$ 429.94	$ 1,059.56	$ 83.30	0.00	$ 1,086.80	-	-	0	-	-										
Springfield, MA	Buffalo	I-88 (US20,I-88,I-86,I390,36,20A)	8	10	425		Exit 6 to NYSTA		0	$ -	$ 6.90	0%	$ -	1.00	$ -	$ -	$ 694.17	$ 430.95	$ 1,132.02	$ -	0.00	$ 1,132.02	-	-	0	-	-										
Springfield, MA	Buffalo	NY-5 and US-20	9	5	377				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 887.90	$ 382.28	$ 1,270.17	$ -	0.00	$ 1,270.17	-	-	0	-	-										
Springfield, MA	Buffalo	US - 20	8	40	372				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 847.17	$ 377.21	$ 1,224.37	$ -	0.00	$ 1,224.37	-	-	0	-	-										
Springfield, MA	Buffalo	I-84(I91,I-84,NBB,NY17,I86,I390,36,20A)	7	30	458				0	$ -	$ 20.00	0%	$ -	1.00	$ -	$ -	$ 637.50	$ 464.41	$ 1,121.91	$ -	0.00	$ 1,121.91	-	-	0	-	-										
Springfield, MA	Brampton (Ontario)	I-90 (Exit 50) Grand Island	7	19	471	Ma Line to Williamsville	Exit 6 to NYSTA		310	$ 101.19	$ 108.09	0%	$ -	1.00	$ -	$ -	$ 621.92	$ 477.59	$ 1,207.60	$ 150.35	0.00	$ 1,256.76	Best	Best	0	$ 49.16	4.07%										
Springfield, MA	Brampton (Ontario)	I-90 (Ex 31) & ON-401(via NY 12, I-81, TIB, ON-401)	8	7	495	Ma Line to Exit 31	Exit 6 to NYSTA		122.5	$ 40.61	$ 61.51	0%	$ -	1.00	$ -	$ -	$ 689.92	$ 501.93	$ 1,253.36	$ 60.34	0.00	$ 1,273.08	-	-	0	-	-										
Springfield, MA	Brampton (Ontario)	I-90 (Ex 36) & I-81 going north (I-90, I-81, TIB, ON-401)	8	4	491	Ma Line to Exit 36			172.6	$ 55.40	$ 69.40	0%	$ -	1.00	$ -	$ -	$ 685.67	$ 497.87	$ 1,252.94	$ 82.31	0.00	$ 1,279.86	-	-	0	-	-										
Springfield, MA	Brampton (Ontario)	US-20 and NY-104	9	58	474				0	$ -	$ 32.00	0%	$ -	1.15	$ -	$ -	$ 974.24	$ 480.64	$ 1,486.88	$ -	0.00	$ 1,486.88	-	-	0	-	-										
Springfield, MA	Brampton (Ontario)	I-88(I-90,I88,I-86,I390,36,20A)	8	11	517	Ma Line to Exit 25A	Exit 6 to NYSTA		48.5	$ 20.77	$ 67.67	0%	$ -	1.00	$ -	$ -	$ 695.58	$ 524.24	$ 1,287.49	$ 30.85	0.00	$ 1,297.58	-	-	0	-	-										
Springfield, MA	Brampton (Ontario)	I-84 (I84, NBB,NY17,I86,I390,36,20A)	8	51	554		Exit 6 to NYSTA		0	$ 5.25	$ 72.15	0%	$ -	1.00	$ -	$ -	$ 752.25	$ 561.76	$ 1,386.15	$ 7.80	0.00	$ 1,388.70	-	-	0	-	-										
Queens NY	Schenectady	NYSTA (RFKB, GWB, US9W, I87, I90)	3	0	178	Woodbury to Exit 25			108.9	$ 36.45	$ 91.50	0%	$ -	1.00	$ -	$ -	$ 255.00	$ 180.49	$ 526.99	$ 54.16	0.00	$ 544.70	Best	Best	0	$ 17.71	3.36%										
Queens NY	Schenectady	RFKB, I87 GMMCB, US9W, I787, NY5	4	57	178				0	$ 5.25	$ 60.30	0%	$ -	1.15	$ -	$ -	$ 483.86	$ 180.49	$ 724.65	$ 7.80	0.00	$ 727.20	-	-	0	-	-										
Queens NY	Schenectady	TNB, I-95 , I-287, I-87, I-90 (MMCB)	2	59	183	Woodbury to Exit 25			108.9	$ 63.88	$ 118.93	0%	$ -	1.00	$ -	$ -	$ 253.58	$ 185.56	$ 558.08	$ 94.91	0.00	$ 589.11	-	-	0	-	-										
Queens NY	Schenectady	TNB, I-95, I-684, I-84, US9W, I787, NY5 (NBB)	4	15	187				0	$ 9.88	$ 84.93	0%	$ -	1.15	$ -	$ -	$ 415.44	$ 189.62	$ 689.99	$ 14.68	0.00	$ 694.79	-	-	0	-	-										
Schenectady	Queens NY	NYSTA (I90, I87, US9W, GWB, RFKB)	3	4	178	Exit 25 to Woodbury			108.9	$ 36.45	$ 206.50	0%	$ -	1.00	$ -	$ -	$ 260.67	$ 180.49	$ 647.66	$ 54.16	0.00	$ 665.37	-	-	0	-	-										
Schenectady	Queens NY	NY5, I787, US9W, GMMCB, I87, RFKB	4	50	179				0	$ 77.75	$ 132.80	0%	$ -	1.15	$ -	$ -	$ 472.46	$ 181.51	$ 786.77	$ 139.35	0.00	$ 848.37	-	-	0	-	-										
Schenectady	Queens NY	I-90, I-87, (MMCB), I-287, I-95 ,TNB	2	58	183	Exit 25 to Woodbury			108.9	$ 108.96	$ 164.01	0%	$ -	1.00	$ -	$ -	$ 252.17	$ 185.56	$ 601.73	$ 185.71	0.00	$ 678.49	-	-	0	-	-										
Schenectady	Queens NY	I-90, I-87, NBB, I-84, I-684, I-95, TNB	3	3	188	Exit 25 to Exit 17			93.7	$ 27.73	$ 102.78	0%	$ -	1.00	$ -	$ -	$ 259.25	$ 190.63	$ 552.67	$ 41.21	0.00	$ 566.14	Best	Best	0	$ 13.47	2.44%										
Morristown, NJ	Schenectady	I-87 (I-287, I-87, I-90)	2	45	161	Woodbury to Exit 25			108.9	$ 36.45	$ 36.45	0%	$ -	1.00	$ -	$ -	$ 233.75	$ 163.25	$ 433.45	$ 54.16	0.00	$ 451.16	Best	Best	0	$ 17.71	4.09%										
Morristown, NJ	Schenectady	I-88 (I80, I81,I88)	4	54	272				0	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 416.50	$ 275.81	$ 692.31	$ -	0.00	$ 692.31	-	-	0	-	-										
Albany	Buffalo	I-90	4	12	291	Exit 24 to Williamsville			272.2	$ 80.43	$ 80.43	0%	$ -	1.00	$ -	$ -	$ 357.00	$ 295.07	$ 732.50	$ 119.50	0.00	$ 771.57	Best	Best	0	$ 39.07	5.33%										
Albany	Buffalo	I-88 (I90,I88,I86,I390,63,20A)	5	24	336	Exit 24 to Exit 25A			10.7	$ -	$ -	0%	$ -	1.00	$ -	$ -	$ 459.00	$ 340.70	$ 799.70	$ -	0.00	$ 799.70	-	-	0	-	-										
Albany	Buffalo	US20	5	48	278				0	$ -	$ -	0%	$ -	1.15	$ -	$ -	$ 566.95	$ 281.89	$ 848.84	$ -	0.00	$ 848.84	-	-	0	-	-										
Manhattan	Albany	NYSTA (LT, I95, I80, NJ17, I87, I90)	2	33	148	Woodbury to Exit 23			97	$ 32.88	$ 32.88	0%	$ -	1.00	$ -	$ -	$ 216.75	$ 150.07	$ 399.71	$ 48.86	0.00	$ 415.68	Best	Best	0	$ 15.98	4.00%										
Manhattan	Albany	TSP (FDR,I-278,BRP, SpBrPkwy,TSP,I90)	100	59	156	B2 to B1	NO TRUCKS allowed		8.5	$ 2.51	$ 2.51	0%	$ -	1.00	$ -	$ -	$ 8,583.58	$ 158.18	$ 8,744.28	$ 3.73	0.00	$ 8,745.50	-	-	0	-	-										
Manhattan	Albany	I-88(LT,I95,I280,I80,I380,I81,I88,20)	5	0	311				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 425.00	$ 315.35	$ 765.35	$ -	0.00	$ 765.35	-	-	0	-	-										
Manhattan	Rochester	NYSTA (LT, I95, I80, NJ17, I87, I90)	5	29	370	Woodbury to Exit 45			306.1	$ 94.62	$ 94.62	0%	$ -	1.00	$ -	$ -	$ 466.08	$ 375.18	$ 935.89	$ 140.59	0.00	$ 981.86	-	-	0	-	-										
Manhattan	Rochester	I-81(LT,I280,I80,I380,I81,I690, I90,I390)	5	19	335	Exit 39 to Exit 45			61.5	$ 18.09	$ 43.09	0%	$ -	1.00	$ -	$ -	$ 451.92	$ 339.69	$ 834.70	$ 26.88	0.00	$ 843.49	Best	Best	0	$ 8.79	1.05%										
Manhattan	Rochester	I390(LT,I280,I80,I380,I81,I86,I390)	5	26	355				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 461.83	$ 359.97	$ 846.80	$ -	0.00	$ 846.80	-	-	0	-	-										
Manhattan	Buffalo	NYSTA (LT, I95, I80, NJ17, I87, I90)	6	26	434	Woodbury to Williamsville			375.5	$ 115.09	$ 115.09	0%	$ -	1.00	$ -	$ -	$ 546.83	$ 440.08	$ 1,102.00	$ 171.01	0.00	$ 1,157.92	-	-	0	-	-										
Manhattan	Buffalo	I81 (LT,I280,I80,I380,I81,I90)	6	32	400	Exit 39 to Williamsville			130.8	$ 38.56	$ 63.56	0%	$ -	1.00	$ -	$ -	$ 555.33	$ 405.60	$ 1,024.50	$ 57.30	0.00	$ 1,043.23	-	-	0	-	-										
Manhattan	Buffalo	I390(LT,I280,I80,I380,I81,I86,I390,63,20A)	6	18	380				0	$ -	$ 25.00	0%	$ -	1.00	$ -	$ -	$ 535.50	$ 385.32	$ 945.82	$ -	0.00	$ 945.82	Best	Best	0	$ -	0.00%										
Rochester	Erie	I-90 (Exit 46 to PA Line

Appendix B:
Forms and Statements

- **Lead Agency Concurrence Letter**
- **Full Environmental Assessment Form (FEAF) Part 1**
- **Full Environmental Assessment Form (FEAF) Part 2**
- **Full Environmental Assessment Form (FEAF) Part 3, including Negative Declaration**
- **Coastal Assessment Form**
- **Smart Growth Impact Statement**

NEW YORK STATE OF OPPORTUNITY. | Thruway Authority

KATHY HOCHUL
Governor

JOANNE M. MAHONEY
Chair

FRANK G. HOARE
Interim Executive Director

April 25, 2023

Matt Maraglio
Division of Coastal Resources, New York State Department of State
One Commerce Plaza, 10th Floor
Office of Community Infrastructure
Albany, NY 12231

Re: Adoption of New Toll Schedule Regulation for the New York State Thruway Authority

Dear Matt Maraglio:

We are providing this letter to serve as notice that the New York State Thruway Authority (Authority) desires to serve as Lead Agency for the Adoption of New Toll Schedule Regulation (Action) in accordance with the State Environmental Quality Review Act (SEQRA).

The Adoption of New Toll Schedule Regulation encompasses the entire Thruway system, which passes through the following Local Waterfront Redevelopment Program (LWRP) communities:

- City of New York, Bronx County (within coastal zone)
- Village of Larchmont, Westchester County (within coastal zone)
- Town of Mamaroneck, Westchester County (within coastal zone)
- City of Rye, Westchester County
- Village of Port Chester, Westchester County (within coastal zone)
- Village of Nyack, Rockland County (within coastal zone)
- Town of Lloyd, Ulster County
- Town of Esopus, Ulster County
- City of Kingston, Ulster County
- Town of Schodack, Rensselaer County
- Town of Bethlehem, Albany County (within coastal zone)
- City of Albany, Albany County

- City of Amsterdam, Montgomery County
- Town of Pittsford, Monroe County
- City of Buffalo, Erie County (within coastal zone)
- Town of Tonawanda, Erie County (within coastal zone)
- Town of Grand Island, Erie County (within coastal zone)
- City of Lackawanna, Erie County
- Town of Hamburg, Erie County
- Town of Evans, Erie County
- Town of Brant, Erie County

The Thruway also passes through several non-LWRP area Coastal Zones along the Long Island Sound, the Hudson River, and the Great Lakes. The Action has no construction or physical alterations associated with it, however, there may be some minor traffic diversions onto local roadways as a result of the change of toll structure. The Authority does not anticipate any potentially significant adverse impacts on the local road system.

As the proposed Action will be directly undertaken by the Authority, we submit for your review, the following:

- The Full Environmental Assessment Form (FEAF) Part 1 for the proposed action

Your signature on the enclosed concurrence statement is appreciated as soon as possible. If a response to this request is not received within 30 days, it will be assumed that the New York State Department of State concurs with the determination of the Authority as the Lead Agency for the SEQRA process. Thank you for your assistance in this matter.

Sincerely,

Elizabeth K. Novak, Director
Transportation Planning and Environmental Services

Encl.

The New York State Department of State hereby consents to the establishment of the New York State Thruway Authority as the State Environmental Quality Review Act Lead Agency for the Adoption of New Toll Schedule Regulation for the New York State Thruway Authority.

Signature	Title	Date
Matthew Marglio	Development Division Director	5/3/2023

Full Environmental Assessment Form
Part 1 - Project and Setting

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: Adoption of New Toll Schedule Regulation for the New York State Thruway Authority ("Authority")		
Project Location (describe, and attach a general location map): New York State Thruway System, Statewide		
Brief Description of Proposed Action (include purpose or need): The proposed action is the Authority's adoption of a new toll schedule regulation for the New York State Thruway System to provide funding necessary to finance the Authority's Capital Plan, maintain and operate the Thruway System, and comply with the Authority's General Revenue Bond Resolution and Fiscal Management Guidelines. The proposed action would, on January 1, 2024 and January 1, 2027, increase the base NY E-ZPass rates by 5% from their prior levels. Out-of-state E-ZPass and Tolls by Mail tolls would be increased from their current 15% and 30% differentials above the NY E-ZPass rate, respectively, to 75% above the NY E-ZPass rate. In addition, at the Governor Mario M. Cuomo Bridge ("GMMCB"), the base NY E-ZPass passenger car toll would be increased by 50 cents a year from January 2024 through January 2027. Passenger cars on the Westchester/Rockland Resident Plan will see their discount change from the current 17% to 20%, and the 40% commuter discount program would be maintained. Commercial rates at he GMMCB would be increased proportionately to the car rates. NOTE THAT THE PROPOSED ACTION DOES NOT INCLUDE ANY CONSTRUCTION OR PHYSICAL ALTERATIONS, ONLY TOLL RATES ARE AFFECTED. The proposed toll modification will divert a small amount of traffic to alternate routes; only a very minimal impact on alternate route congestion, air quality, noise, or any other socioeconomic or environmental factor is anticipated.		
Name of Applicant/Sponsor: New York State Thruway Authority	Telephone: 518-436-2810 E-Mail: Elizabeth.Novak@thruway.ny.gov	
Address: 200 Southern Boulevard		
City/PO: Albany	State: NY	Zip Code: 12209
Project Contact (if not same as sponsor; give name and title/role):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)		
Government Entity	**If Yes: Identify Agency and Approval(s) Required**	**Application Date (Actual or projected)**
a. City Council, Town Board, or Village Board of Trustees ☐Yes☑No		
b. City, Town or Village Planning Board or Commission ☐Yes☑No		
c. City, Town or Village Zoning Board of Appeals ☐Yes☑No		
d. Other local agencies ☐Yes☑No		
e. County agencies ☐Yes☑No		
f. Regional agencies ☐Yes☑No		
g. State agencies ☑Yes☐No	NYSTA Board Approval of Toll Increase NYS Department of State/Coastal consistency	
h. Federal agencies ☐Yes☑No		

i. Coastal Resources.
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes☑No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☑Yes☐No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes☑No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☑Yes☐No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☐Yes☑No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☐Yes☑No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☐Yes☑No

If Yes, identify the plan(s):

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes☑No

If Yes, identify the plan(s):

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☐ Yes ☑ No
If Yes, what is the zoning classification(s) including any applicable overlay district?

b. Is the use permitted or allowed by a special or conditional use permit? ☐ Yes ☑ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☑ No
If Yes,
i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? N/A

b. What police or other public protection forces serve the project site?
N/A

c. Which fire protection and emergency medical services serve the project site?
N/A

d. What parks serve the project site?
N/A

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)?

b. a. Total acreage of the site of the proposed action? _____ acres
b. Total acreage to be physically disturbed? _____ acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☐ No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☐ No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)

ii. Is a cluster/conservation layout proposed? ☐ Yes ☐ No
iii. Number of lots proposed? _____
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☐ No
i. If No, anticipated period of construction: _____ months
ii. If Yes:
- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____ year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses? ☐Yes☐No

If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase				
At completion of all phases				

g. Does the proposed action include new non-residential construction (including expansions)? ☐Yes☐No

If Yes,

i. Total number of structures _____

ii. Dimensions (in feet) of largest proposed structure: _____height; _____width; and _____length

iii. Approximate extent of building space to be heated or cooled: _____ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☐Yes☐No

If Yes,

i. Purpose of the impoundment: _____

ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐Other specify:

_____

iii. If other than water, identify the type of impounded/contained liquids and their source.

_____

iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):

_____

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? ☐Yes☐No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

If Yes:

i .What is the purpose of the excavation or dredging? _____

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): _____
- Over what duration of time? _____

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

_____

_____

iv. Will there be onsite dewatering or processing of excavated materials? ☐Yes☐No

If yes, describe. _____

_____

v. What is the total area to be dredged or excavated? _____acres

vi. What is the maximum area to be worked at any one time? _____ acres

vii. What would be the maximum depth of excavation or dredging? _____ feet

viii. Will the excavation require blasting? ☐Yes☐No

ix. Summarize site reclamation goals and plan: _____

_____

_____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☐Yes☐No

If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____

_____

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

_____

_____

_____

_____

iii. Will the proposed action cause or result in disturbance to bottom sediments? ☐Yes ☐No

If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐Yes ☐No

If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____
- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

_____

c. Will the proposed action use, or create a new demand for water? ☐Yes ☐No

If Yes:

i. Total anticipated water usage/demand per day: _____ gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☐Yes ☐No

If Yes:

- Name of district or service area: _____
- Does the existing public water supply have capacity to serve the proposal? ☐Yes ☐No
- Is the project site in the existing district? ☐Yes ☐No
- Is expansion of the district needed? ☐Yes ☐No
- Do existing lines serve the project site? ☐Yes ☐No

iii. Will line extension within an existing district be necessary to supply the project? ☐Yes ☐No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____
- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐ Yes ☐No

If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

_____

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☐Yes ☐No

If Yes:

i. Total anticipated liquid waste generation per day: _____ gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

_____

_____

iii. Will the proposed action use any existing public wastewater treatment facilities? ☐Yes ☐No

If Yes:

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- Does the existing wastewater treatment plant have capacity to serve the project? ☐Yes ☐No
- Is the project site in the existing district? ☐Yes ☐No
- Is expansion of the district needed? ☐Yes ☐No

- Do existing sewer lines serve the project? ☐Yes☐No
- Will a line extension within an existing district be necessary to serve the project? ☐Yes☐No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐Yes☐No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

_____

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☐Yes☐No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or _____ acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

ii. Describe types of new point sources. _____

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

_____

- If to surface waters, identify receiving water bodies or wetlands: _____
- Will stormwater runoff flow to adjacent properties? ☐Yes☐No

iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☐Yes☐No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☐Yes☐No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

_____

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

_____

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

_____

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐Yes☐No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐Yes☐No

ii. In addition to emissions as calculated in the application, the project will generate:

- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☐No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

_____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☐No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

_____

_____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐Yes ☐No

If Yes:

i. When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐Weekend
☐ Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____

_____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? ☐Yes ☐No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

_____

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐Yes ☐No

vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐Yes ☐No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐Yes ☐No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☐Yes ☐No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

_____

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

_____

iii. Will the proposed action require a new, or an upgrade, to an existing substation? ☐Yes ☐No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday - Friday: _____
- Saturday: _____
- Sunday: _____
- Holidays: _____

ii. During Operations:

- Monday - Friday: _____
- Saturday: _____
- Sunday: _____
- Holidays: _____

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☐Yes ☐No

If yes:

i. Provide details including sources, time of day and duration:

_____

_____

ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐Yes ☐No

Describe: _____

_____

n. Will the proposed action have outdoor lighting? ☐Yes ☐No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

_____

_____

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐Yes ☐No

Describe: _____

_____

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐Yes ☐No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

_____

_____

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐Yes ☐No

If Yes:

i. Product(s) to be stored _____

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally, describe the proposed storage facilities: _____

_____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☐No

If Yes:

i. Describe proposed treatment(s):

_____

_____

_____

_____

ii. Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☐No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☐ Yes ☐No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ tons per _____ (unit of time)
- Operation : _____ tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: _____

_____

- Operation: _____

_____

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: _____

_____

- Operation: _____

_____

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☐ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☐ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☐ Urban ☐ Industrial ☐ Commercial ☐ Residential (suburban) ☐ Rural (non-farm)
☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other (specify): _____

ii. If mix of uses, generally describe:

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces			
• Forested			
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)			
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: _____			

c. Is the project site presently used by members of the community for public recreation? ☐Yes ☐No

i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☐Yes ☐No

If Yes,

i. Identify Facilities:

_____

_____

e. Does the project site contain an existing dam? ☐Yes ☐No

If Yes:

i. Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____

iii. Provide date and summarize results of last inspection:

_____

_____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐Yes ☐No

If Yes:

i. Has the facility been formally closed? ☐Yes ☐ No

- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:

_____

_____

iii. Describe any development constraints due to the prior solid waste activities: _____

_____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐Yes ☐No

If Yes:

i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

_____

_____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☐Yes ☐ No

If Yes:

i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☐Yes ☐No

☐ Yes – Spills Incidents database — Provide DEC ID number(s): _____

☐ Yes – Environmental Site Remediation database — Provide DEC ID number(s): _____

☐ Neither database

ii. If site has been subject of RCRA corrective activities, describe control measures: _____

_____

_____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☐Yes ☐No

If yes, provide DEC ID number(s): _____

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

_____

_____

v. Is the project site subject to an institutional control limiting property uses? ☐Yes ☐No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐Yes ☐No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? _____ feet

b. Are there bedrock outcroppings on the project site? ☐Yes ☐No
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____%

c. Predominant soil type(s) present on project site: _____ _____%
_____ _____%
_____ _____%

d. What is the average depth to the water table on the project site? Average: _____ feet

e. Drainage status of project site soils: ☐ Well Drained: _____% of site
☐ Moderately Well Drained: _____% of site
☐ Poorly Drained _____% of site

f. Approximate proportion of proposed action site with slopes: ☐ 0-10%: _____% of site
☐ 10-15%: _____% of site
☐ 15% or greater: _____% of site

g. Are there any unique geologic features on the project site? ☐Yes ☐No
If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☐Yes ☐No

ii. Do any wetlands or other waterbodies adjoin the project site? ☐Yes ☐No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☐Yes ☐No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name _____ Classification _____
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name _____ Approximate Size _____
- Wetland No. (if regulated by DEC) _____

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐Yes ☐No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? ☐Yes ☐No

j. Is the project site in the 100-year Floodplain? ☐Yes ☐No

k. Is the project site in the 500-year Floodplain? ☐Yes ☐No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☐Yes ☐No
If Yes:

i. Name of aquifer: _____

m. Identify the predominant wildlife species that occupy or use the project site: _____

n. Does the project site contain a designated significant natural community? ☐Yes ☐No

If Yes:

i. Describe the habitat/community (composition, function, and basis for designation): _____

ii. Source(s) of description or evaluation: _____

iii. Extent of community/habitat:

- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☐Yes ☐No

If Yes:

i. Species and listing (endangered or threatened): _____

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐Yes ☐No

If Yes:

i. Species and listing: _____

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐Yes ☐No

If yes, give a brief description of how the proposed action may affect that use: _____

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐Yes ☐No

If Yes, provide county plus district name/number: _____

b. Are agricultural lands consisting of highly productive soils present? ☐Yes ☐No

i. If Yes: acreage(s) on project site? _____

ii. Source(s) of soil rating(s): _____

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐Yes ☐No

If Yes:

i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature

ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐Yes ☐No

If Yes:

i. CEA name: _____

ii. Basis for designation: _____

iii. Designating agency and date: _____

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☐Yes ☐No

If Yes:

i. Nature of historic/archaeological resource: ☐Archaeological Site ☐Historic Building or District

ii. Name: _____

iii. Brief description of attributes on which listing is based:

_____

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☐Yes ☐No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐Yes ☐No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☐Yes ☐No

If Yes:

i. Identify resource: _____

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____

iii. Distance between project and resource: _____ miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐Yes ☐No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐Yes ☐No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name New York State Thruway Authority Date April 12, 2023

Signature _____ Title Director, Transportation Planning & Enviro. Services

PRINT FORM

Full Environmental Assessment Form
Part 2 - Identification of Potential Project Impacts

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency **and** the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer "**Yes"** to a numbered question, please complete all the questions that follow in that section.
- If you answer "**No"** to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box "Moderate to large impact may occur."
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the "whole action".
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

1. Impact on Land
Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1)
If "Yes", answer questions a - j. If "No", move on to Section 2.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d	☐	☐
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	☐	☐
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	☐	☐
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	☐	☐
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	☐	☐
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	☐	☐
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	☐	☐
h. Other impacts: _____ _____		☐	☐

2. Impact on Geological Features

The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g) ☑ NO ☐ YES

If "Yes", answer questions a - c. If "No", move on to Section 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached: _____ _____	E2g	☐	☐
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature: _____	E3c	☐	☐
c. Other impacts: _____ _____		☐	☐

3. Impacts on Surface Water

The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h) ☑ NO ☐ YES

If "Yes", answer questions a - l. If "No", move on to Section 4.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h	☐	☐
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	☐	☐
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	☐	☐
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h	☐	☐
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	☐	☐
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	☐	☐
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	☐	☐
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	☐	☐
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h	☐	☐
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	☐	☐
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	☐	☐

l. Other impacts: _____ _____		□	□

4. Impact on groundwater

The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer. (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t) ☑ NO ☐ YES

If "Yes", answer questions a - h. If "No", move on to Section 5.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c	□	□
b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source: _____	D2c	□	□
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c	□	□
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l	□	□
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h	□	□
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l	□	□
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c	□	□
h. Other impacts: _____ _____		□	□

5. Impact on Flooding

The proposed action may result in development on lands subject to flooding. (See Part 1. E.2) ☑ NO ☐ YES

If "Yes", answer questions a - g. If "No", move on to Section 6.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i	□	□
b. The proposed action may result in development within a 100 year floodplain.	E2j	□	□
c. The proposed action may result in development within a 500 year floodplain.	E2k	□	□
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e	□	□
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k	□	□
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e	□	□

g. Other impacts: _____ _____		☐	☐

6. Impacts on Air

The proposed action may include a state regulated air emission source. ☐ NO ☑ YES
(See Part 1. D.2.f., D.2.h, D.2.g)
If "Yes", answer questions a - f. If "No", move on to Section 7.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels:			
i. More than 1000 tons/year of carbon dioxide (CO_2)	D2g	☑	☐
ii. More than 3.5 tons/year of nitrous oxide (N_2O)	D2g	☑	☐
iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs)	D2g	☑	☐
iv. More than .045 tons/year of sulfur hexafluoride (SF_6)	D2g	☑	☐
v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions	D2g	☑	☐
vi. 43 tons/year or more of methane	D2h	☑	☐
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g	☑	☐
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g	☑	☐
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g	☑	☐
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s	☑	☐
f. Other impacts: The proposed toll modification will divert a small amount of traffic to alternate routes, resulting in very minimal impacts to alternate routes and air quality.		☑	☐

7. Impact on Plants and Animals

The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.) ☑ NO ☐ YES
If "Yes", answer questions a - j. If "No", move on to Section 8.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o	☐	☐
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o	☐	☐
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p	☐	☐
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p	☐	☐

e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c	□	□
f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source: _____	E2n	□	□
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m	□	□
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source: _____ _____	E1b	□	□
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	□	□
j. Other impacts: _____ _____		□	□

8. Impact on Agricultural Resources

The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.) ☑ NO ☐ YES

If "Yes", answer questions a - h. If "No", move on to Section 9.

	Relevant Part I Question(s)	**No, or small impact may occur**	**Moderate to large impact may occur**
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b	□	□
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, Elb	□	□
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b	□	□
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a	□	□
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	El a, E1b	□	□
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d	□	□
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c	□	□
h. Other impacts: _____		□	□

9. Impact on Aesthetic Resources

The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.)

☑ NO ☐ YES

If "Yes", answer questions a - g. If "No", go to Section 10.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h	☐	☐
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b	☐	☐
c. The proposed action may be visible from publicly accessible vantage points: i. Seasonally (e.g., screened by summer foliage, but visible during other seasons) ii. Year round	E3h	 ☐ ☐	 ☐ ☐
d. The situation or activity in which viewers are engaged while viewing the proposed action is: i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E3h E2q, E1c	 ☐ ☐	 ☐ ☐
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h	☐	☐
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile ½ -3 mile 3-5 mile 5+ mile	D1a, E1a, D1f, D1g	☐	☐
g. Other impacts: _____ _____		☐	☐

10. Impact on Historic and Archeological Resources

The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.)

☑ NO ☐ YES

If "Yes", answer questions a - e. If "No", go to Section 11.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on the National or State Register of Historical Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places.	E3e	☐	☐
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	☐	☐
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source: _____	E3g	☐	☐

d. Other impacts: _____ _____		□	□
e. If any of the above (a-d) are answered "Moderate to large impact may occur", continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f	□	□
ii. The proposed action may result in the alteration of the property's setting or integrity.	E3e, E3f, E3g, E1a, E1b	□	□
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3	□	□

11. Impact on Open Space and Recreation

The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan.
(See Part 1. C.2.c, E.1.c., E.2.q.)
If "Yes", answer questions a - e. If "No", go to Section 12.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in an impairment of natural functions, or "ecosystem services", provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	□	□
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q	□	□
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q	□	□
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c	□	□
e. Other impacts: _____ _____		□	□

12. Impact on Critical Environmental Areas

The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d)
If "Yes", answer questions a - c. If "No", go to Section 13.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d	□	□
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d	□	□
c. Other impacts: _____ _____		□	□

13. Impact on Transportation

The proposed action may result in a change to existing transportation systems. ☐ NO ☑ YES
(See Part 1. D.2.j)
If "Yes", answer questions a - f. If "No", go to Section 14.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j	☑	☐
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j	☑	☐
c. The proposed action will degrade existing transit access.	D2j	☑	☐
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j	☑	☐
e. The proposed action may alter the present pattern of movement of people or goods.	D2j	☑	☐
f. Other impacts: The proposed toll modification will divert a small amount of traffic to alternate routes, resulting in very minimal impacts to alternate routes and congestion.		☑	☐

14. Impact on Energy

The proposed action may cause an increase in the use of any form of energy. ☑ NO ☐ YES
(See Part 1. D.2.k)
If "Yes", answer questions a - e. If "No", go to Section 15.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k	□	□
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D1f, D1q, D2k	□	□
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	□	□
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g	□	□
e. Other Impacts: _____			

15. Impact on Noise, Odor, and Light

The proposed action may result in an increase in noise, odors, or outdoor lighting. ☑ NO ☐ YES
(See Part 1. D.2.m., n., and o.)
If "Yes", answer questions a - f. If "No", go to Section 16.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may produce sound above noise levels established by local regulation.	D2m	□	□
b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D2m, E1d	□	□
c. The proposed action may result in routine odors for more than one hour per day.	D2o	□	□

d. The proposed action may result in light shining onto adjoining properties.	D2n	☐	☐
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	☐	☐
f. Other impacts: _____ _____		☐	☐

16. Impact on Human Health

The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. and h.) ☑ NO ☐ YES

If "Yes", answer questions a - m. If "No", go to Section 17.

	Relevant Part I Question(s)	No,or small impact may cccur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d	☐	☐
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	☐	☐
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h	☐	☐
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	E1g, E1h	☐	☐
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E1g, E1h	☐	☐
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t	☐	☐
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	☐	☐
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	☐	☐
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s	☐	☐
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h	☐	☐
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g	☐	☐
l. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	☐	☐
m. Other impacts: _____ _____			

17. Consistency with Community Plans

The proposed action is not consistent with adopted land use plans. ☑ NO ☐ YES

(See Part 1. C.1, C.2. and C.3.)

If "Yes", answer questions a - h. If "No", go to Section 18.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b	☐	☐
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2	☐	☐
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3	☐	☐
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	☐	☐
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d, Elb	☐	☐
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j	☐	☐
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a	☐	☐
h. Other: _____ _____		☐	☐

18. Consistency with Community Character

The proposed project is inconsistent with the existing community character. ☑ NO ☐ YES

(See Part 1. C.2, C.3, D.2, E.3)

If "Yes", answer questions a - g. If "No", proceed to Part 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g	☐	☐
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	☐	☐
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a	☐	☐
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	☐	☐
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	☐	☐
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	☐	☐
g. Other impacts: _____ _____		☐	☐

PRINT FULL FORM

Full Environmental Assessment Form
Part 3 - Evaluation of the Magnitude and Importance of Project Impacts
and
Determination of Significance

Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

Based on the analysis in Part 3, the lead agency must decide whether to require an environmental impact statement to further assess the proposed action or whether available information is sufficient for the lead agency to conclude that the proposed action will not have a significant adverse environmental impact. By completing the certification on the next page, the lead agency can complete its determination of significance.

Reasons Supporting This Determination:
To complete this section:

- Identify the impact based on the Part 2 responses and describe its magnitude. Magnitude considers factors such as severity, size or extent of an impact.
- Assess the importance of the impact. Importance relates to the geographic scope, duration, probability of the impact occurring, number of people affected by the impact and any additional environmental consequences if the impact were to occur.
- The assessment should take into consideration any design element or project changes.
- Repeat this process for each Part 2 question where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.
- Provide the reason(s) why the impact may, or will not, result in a significant adverse environmental impact
- For Conditional Negative Declarations identify the specific condition(s) imposed that will modify the proposed action so that no significant adverse environmental impacts will result.
- Attach additional sheets, as needed.

The New York State Thruway Authority proposes the adoption of a new toll schedule at all toll locations on the Thruway System in order to provide funding necessary to finance the Authority's Capital Plan, maintain and operate their highway system, and comply with the Authority's General Revenue Bond Resolution and Fiscal Management Guidelines. NOTE THAT THE PROPOSED ACTION DOES NOT INCLUDE ANY CONSTRUCTION OR PHYSICAL ALTERATIONS, ONLY TOLL RATES ARE AFFECTED. The proposed toll schedule would, on January 1, 2024 and January 1, 2027, increase the base NY E-ZPass rates by 5% from their prior levels. In addition, at the Governor Mario M. Cuomo Bridge ("GMMCB"), the base NY E-ZPass passenger car toll would be increased by 50 cents a year from January 2024 through January 2027. GMMCB passenger cars on the Westchester/Rockland Resident Plan will see their discount change from the current 17% to 20%, and the 40% commuter discount program would be maintained. System-wide out-of-state E-ZPass and Tolls by Mail tolls would be increased from their current 15% and 30% differentials above the NY E-ZPass rate, respectively, to 75% above the NY E-ZPass rate. Commercial rates would be increased proportionately to the car rates. The proposed toll modification will divert a small amount of traffic to alternate routes, however, it is expected to have only a very minimal impact on alternate route congestion and air quality.

As Lead Agency, in accordance with the State Environmental Quality Review Act (SEQRA), New York State Environmental Conservation Law (ECL) Article 8 and implementing regulations, 6 New York Codes Rules and Regulations (NYCRR) Part 617 et seq., the Authority has classified the proposed project as a Type I Action. The Authority has also determined the proposed Project will not have a potentially significant adverse environmental impact.

See attached Part 3 Evaluation of the Magnitude and Importance of Project Impacts and Determination of Non-Significance.

Determination of Significance - Type 1 and Unlisted Actions

SEQR Status: ☑ Type 1 ☐ Unlisted

Identify portions of EAF completed for this Project: ☑ Part 1 ☑ Part 2 ☑ Part 3

Upon review of the information recorded on this EAF, as noted, plus this additional support information
Stantec's 2023 report entitled "New York State Thruway Authority Environmental Assessment for Proposed Toll Modification"

and considering both the magnitude and importance of each identified potential impact, it is the conclusion of the _____ as lead agency that:

☑ A. This project will result in no significant adverse impacts on the environment, and, therefore, an environmental impact statement need not be prepared. Accordingly, this negative declaration is issued.

☐ B. Although this project could have a significant adverse impact on the environment, that impact will be avoided or substantially mitigated because of the following conditions which will be required by the lead agency:

There will, therefore, be no significant adverse impacts from the project as conditioned, and, therefore, this conditioned negative declaration is issued. A conditioned negative declaration may be used only for UNLISTED actions (see 6 NYCRR 617.7(d)).

☐ C. This Project may result in one or more significant adverse impacts on the environment, and an environmental impact statement must be prepared to further assess the impact(s) and possible mitigation and to explore alternatives to avoid or reduce those impacts. Accordingly, this positive declaration is issued.

Name of Action: Adoption of New Toll Schedule Regulation

Name of Lead Agency: New York State Thruway Authority

Name of Responsible Officer in Lead Agency: Richard W. Lee

Title of Responsible Officer: Chief Engineer

Signature of Responsible Officer in Lead Agency: Date:

Signature of Preparer (if different from Responsible Officer) Date:

For Further Information:

Contact Person: David Malone

Address: New York State Thruway Authority, 200 Southern Blvd., PO Box 189, Albany, NY, 12201-0189

Telephone Number:

E-mail:

For Type 1 Actions and Conditioned Negative Declarations, a copy of this Notice is sent to:

Chief Executive Officer of the political subdivision in which the action will be principally located (e.g., Town / City / Village of)
Other involved agencies (if any)
Applicant (if any)
Environmental Notice Bulletin: http://www.dec.ny.gov/enb/enb.html

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Full Environmental Assessment Form Part 3
Evaluation of the Magnitude and Importance of Project Impacts and Determination of Non-Significance

New York State Thruway Authority
Adoption of New Toll Schedule Regulation – Statewide

The New York State Thruway Authority (Authority) proposes the adoption of a New Schedule Regulation - Statewide. This adoption of the new regulation (Proposed Action) entails four incremental toll increases in 2024 through 2027 at the Governor Mario M. Cuomo Bridge (GMMCB), and two toll increases, in 2024 and 2027, on the remainder of the Thruway System. As Lead Agency, in accordance with the State Environmental Quality Review Act (SEQRA), New York Environmental Conservation Law (ECL) Article 8 and implementing regulations, 6 New York Codes Rules and Regulations (NYCRR) Part 617 et seq., the Authority has classified the action as a Type I Action. This notice is issued pursuant to and in accordance with SEQRA. The Authority has determined that the proposed Action will not have a potentially significant adverse environmental impact and has issued a Negative Declaration.

Description of Proposed Action

The Authority is proposing a toll modification regulation which would, on January 1, 2024 and January 1, 2027, increase the base NY E-ZPass rates by 5 percent from their prior levels. In addition, at the Governor Mario M. Cuomo Bridge ("GMMCB"), the base NY E-ZPass passenger car toll would be increased by 50 cents a year from January 2024 through January 2027. GMMCB passenger cars on the Westchester/Rockland Resident Plan will see their discount change from the current 17 percent to 20 percent, and the 40 percent commuter discount program would be maintained. Out-of-state E-ZPass and Tolls by Mail tolls would be increased system-wide from their current 15 and 30 percent differentials above the NY E-ZPass rate, respectively, to 75 percent above the NY E-ZPass rate. At each toll facility other than the GMMCB, between 73 percent and 84 percent of passenger cars have NY E-ZPass accounts and therefore would see their tolls increase by only 10 percent through 2027 with the proposed regulation. The majority of passenger cars at the GMMCB – 75 percent – have NY E-ZPass and would see a total toll increase of 31 to 35 percent from the current rates through 2027. Truck tolls at all locations would be increased proportionately to car tolls by payment type.

The Authority's objectives for this Proposed Action are to provide funding necessary to finance the Authority's Capital Plan, maintain and operate the Thruway System, and comply with the Authority's General Revenue Bond Resolution and Fiscal Management Guidelines.

Because the Proposed Action only involves toll modifications, and no construction or physical alterations, no significant impacts are expected. In addition, because there is no longer any cash toll collection anywhere on the Thruway System, impacts are limited to those caused by traffic diversion off the Thruway System to alternate routes, which is expected to be minimal.

Evaluation of Impacts of the Proposed Action

The Authority retained Stantec to prepare an Environmental Assessment Report (Report) dated -- titled: "New York State Thruway Authority Environmental Assessment for Proposed Toll

Modification," which evaluated and analyzed all aspects of the Proposed Action, including the need for the toll modification and potential environmental impacts. In addition to the analyses in the Report, the Proposed Action's environmental impacts have been thoroughly evaluated in accordance with 6 NYCRR Part 617.7, including the SEQRA Full Environmental Assessment Form (FEAF), Part 2 - Identification of Potential Project Impacts.
The entire FEAF, Parts 1, 2 and 3, are included as appendices to the Report.

Although the Authority has determined that none of the Potential Project Impacts identified in the FEAF Part 2 are "Moderate to Large," which requires further explanation of the Proposed Action's impacts on the environment, this Determination of Significance nonetheless identifies and evaluates relevant potential impacts from this Proposed Action. Additional detail and information are available in the "New York State Thruway Authority Environmental Assessment for Proposed Toll Modification" Report and appendices.

Potential Environmental Impacts

The Authority has carefully considered all potential environmental impacts associated with the Proposed Action and reviewed the criteria for determining significance pursuant to 6 NYCRR Section 617.7 (c) (1). Based on that criteria, as follows, the Authority has determined to issue a Negative Declaration for the Proposed Action, "Adoption of New Toll Schedule Regulation - Statewide."

6 NYCRR 617.7 (c) (1) (i)
The Authority determined the Proposed Action is not likely to cause substantial adverse changes to existing air quality (see item 6 below), ground or surface water quality or quantity, traffic (see item 13 below), noise levels, level of solid waste production, or the potential for erosion, flooding, leaching or drainage problems.

6 NYCRR 617.7 (c) (1) (ii)
The Proposed Action does not involve construction or any other physical disturbance and therefore is not anticipated to: (a) remove or destruct large quantities of vegetation or fauna; (b) create substantial interference with the movement of any resident or migratory fish or wildlife species; (c) create impacts on a significant habitat area; (d) create substantial adverse impacts on threatened or endangered species of animal or plant, or the habitat of such species; or (e) cause other significant adverse impacts to natural resources.

6 NYCRR 617.7 (c) (1) (iii)
The Proposed Action does not involve construction or any other physical disturbance and therefore is not expected to cause impairments to the characteristics of any Critical Environmental Areas as designated under 6 NYCRR Part 617.

6 NYCRR 617.7 (c) (1) (iv)
The Proposed Action does not present any conflict with a community's current plans or goals, officially adopted or approved (see item 17 below). The Proposed Action does not pose any conflict with existing zoning laws.

6 NYCRR 617.7 (c) (1) (v)
The Proposed Action will not impair the character or quality of historic, archaeological, architectural, or aesthetic resources.

6 NYCRR 617.7 (c) (1) (vi)
The Proposed Action will not result in a major change in the use of either the quantity or type of energy.

6 NYCRR 617.7 (c) (1) (vii)
The Proposed Action is not anticipated to create a hazard to human health. No construction is involved, and air quality impact due to traffic diversion from the Thruway System to alternate routes is anticipated to be minimal. (see item 6 below.)

6 NYCRR 617.7 (c) (1) (viii)
The Proposed Action is not anticipated to result in a significant change in the use, and/or intensity of use of land. There are no agricultural resources that would be affected by the Proposed Action, and the Proposed Action will have no effect on existing open space and recreational resources, or in its capacity to support existing uses.

6 NYCRR 617.7 (c) (1) (ix)
The Proposed Action will not encourage or attract a large number of people to a place for more than a few days. The Proposed Action is not anticipated to result in significant additional users or significant changes of use to the Thruway System or off the Thruway System.

6 NYCRR 617.7 (c) (1) (x)
The Proposed Action is not anticipated to create a material demand for other actions that would result in one of the above consequences.

6 NYCRR 617.7 (c) (1) (xi)
The Proposed Action does not create impacts to two or more elements of the environment that, collectively, would result in a substantial adverse environmental impact.

6 NYCRR 617.7 (c) (1) (xii)
The Proposed Action has been reviewed with full consideration of any potential cumulative effects resulting from multiple actions on the same resource(s). This regulation notes that cumulative impacts can result from actions which individually produce minor impacts, but cumulatively result in significant impacts over time. The Proposed Action does not involve any construction or any other physical disturbance and is only expected to result in a small amount of traffic diversion off of the Thruway System, which would shift to a number of alternate routes throughout the State. No past or future actions are known that, in combination with the Proposed Action, are anticipated to produce significant impacts on transportation, air quality, or any other element of the environment.

Discussion of Part 2 of the Full EAF, “Identification of Potential Project Impacts”

The following provides detail on the sections of Part 2 of the Full EAF where there was a response of “Yes” for relevant potential impacts.

<u>6) Impact on Air Quality</u>

An air quality analysis was conducted to capture the air quality impacts associated with potential traffic diversions resulting from the Proposed Action. Although the Proposed Action would not spur a change in regional traffic volumes, it may cause some traffic to divert to alternate travel routes (as discussed in the following section, "Impact on Transportation"). Vehicles choosing to divert to alternate travel routes can affect local and regional air quality. Diverted vehicles can

add to the existing vehicle population already present on local roadways and decrease travel speeds which would lead to increased idling, braking and acceleration as compared to Thruway System travel. These factors affect the rate at which vehicles emit air pollutants. In addition, diverted routes can increase the total distance traveled when compared with the same vehicle trip on the Thruway System.

The analysis was conducted for both "No Build" and "Build" alternatives, and the resulting change in emissions between the two conditions was evaluated. The No Build alternative represents no changes to the current toll rates, and the Build alternative represents the proposed toll rate schedule. The analysis was conducted for the year 2027, at which point all of the proposed toll modifications will have taken effect on the Thruway System. Note that the Authority completed implementation of its cashless tolling program in late 2020; therefore, a change in toll rates will have no negative impact on air quality at toll locations as vehicles will no longer be queuing or stopping to pay.

The potential impact of the Proposed Action on air quality was assessed regarding local/regional pollutant concentrations along the impacted roads, and region-wide emissions burden in non-attainment and maintenance areas across New York State. The air quality analysis was conducted for criteria pollutants (carbon monoxide, nitrogen oxide, particulate matter, and volatile organic compounds) and greenhouse gases (GHGs) associated with on-road vehicles.

A screening was conducted for possible project-level microscale particulate matter ($PM_{2.5}$) hot spot conformity analysis based on criteria presented in the Federal Transportation Conformity Regulation at 40 United States Code of Federal Regulations Section 93.123 (b) (1). As the affected roadways will not have a substantial increase in diesel vehicles, and the proposed toll modification will not result in a significant adverse impact to traffic volumes from diesel vehicles, a $PM_{2.5}$ hot spot analysis is not required. The Authority has concluded that the Proposed Action is therefore not a project of air quality concern as per these criteria and the associated United States Environmental Protection Agency (USEPA) guidance.

The Air Quality Chapter of New York State Department of Transportation's The Environmental Manual (TEM) states that a carbon monoxide (CO) microscale analysis is not warranted if none of the screening criteria are met or exceeded. As indicated under "Impact on Transportation", none of the impacted roadway segments has an increase of 10 percent or more in traffic volumes. Consistent with the very minor traffic changes on all impacted routes, the study has anticipated that the resulting changes in speed and delay would also be minor. In addition, a significant reduction in speed (20 percent) is not anticipated on any of the impacted routes. The results of the Capture Criteria Screening indicate that none of the screening criteria are met, therefore no carbon monoxide (CO) microscale analysis is warranted.

Levels of ozone - which are formed by nitrogen oxide and volatile organic compounds - can be affected by changes in Vehicle Miles Traveled (VMT). The difference in VMT between the Build and No Build scenarios ranges between a 0.8 percent decrease and a 0.9 percent increase for all non-attainment and maintenance counties, with most regions showing almost no perceptible difference in VMT with the Proposed Action. In addition, based on the NYSDOT Environmental Science Bureau (ESB) Draft 2003 Greenhouse Gas and Energy Analysis Guidelines, this small change in VMT plus an increase in corridor VMT of less than 10 percent means that the criteria requiring a GHG analysis have not been met.

The Authority has also determined that the Proposed Action will generate minimal air quality impacts for Clean Air Act criteria pollutants and has not been linked with any special mobile sources. The Proposed Action is not anticipated to have a significant adverse impact on local pollutant concentrations or contribute to a significant increase in regional emissions. Increases in traffic on local highways would not reach critical emission thresholds, contributing only negligible pollutant burdens as a percentage of regional transportation-based emissions.

13) Impact on Transportation

The Proposed Action will not generate any new traffic. The toll increase is expected to divert a small amount of traffic off the Thruway System to alternate routes.

Diversion percentages forecasted in November 2022 for the proposed toll modification were utilized to estimate the number of vehicles diverting off of each section of the Thruway System. For the traffic impact analysis, these diversion volumes were applied to roadways that would likely serve as alternate routes. The estimated maximum number of two-way diverted vehicles from the Thruway during the peak hour would be 188 from the controlled system segment between Interchanges 24 and 25 (3.2 percent diversion), and the maximum number of one-way diverted vehicles during the peak hour would be 159 from the New Rochelle Barrier (3.8 percent diversion). The average one-way peak hour diversion for all segments of the Thruway is 48 vehicles (3.2 percent diversion).

The traffic screening methodology evaluated alternate route segments that experience both congestion - a v/c ratio greater than 0.90 - and a traffic increase of greater than 10 percent during the peak hour/peak direction as a result of the proposed toll modification. No segments that met both these criteria were found; however, several congested segments (v/c greater than 0.90) were discovered to have a potential traffic increase of 1 to 8 percent due to toll diversion. Note that this screening was based on a worst-case analysis where 100 percent of diverted traffic from a Thruway System segment is placed on each alternate route. Moreover, the v/c ratios on already-congested alternate route segments are not anticipated to significantly deteriorate, with potential increases between 0.01 and 0.07 as a result of the proposed toll modifications. (Again, this assumes very conservatively that *all* diversion traffic is applied to *each* alternate route, with more distant routes and overall trip reductions not considered; if the diversion were split among routes, almost all routes would see smaller increases in their traffic and v/c ratios.)

For example, Route 32/Pearl Street in Albany is a less likely diversion route than the larger nearby Route 9W, or the Taconic State Parkway across the Hudson River, and will likely absorb only a fraction of the 64 passenger car equivalents expected to divert from the adjacent section of the Thruway during the peak hour. While many segments along alternate routes currently experience congested traffic conditions, the proposed toll modifications would have a negligible effect on existing traffic operations. The diverted traffic will likely be less than shown for this screening analysis since already-congested routes will not be attractive options. As the Proposed Action is not anticipated to result in a significant change to traffic operations on alternate routes nor exceed the impact thresholds noted above, no further analysis is deemed necessary.

It is also important to note that based on historical trends, diversions to alternate routes are likely to be temporary. Time and other factors (such as the value of time, fuel costs, and increased congestion) along local roads tend to reverse the diversion effects of toll increases and we expect this to be the case with this proposed toll modification. Therefore, no significant adverse impacts to transportation are anticipated from the Proposed Action.

NEW YORK STATE DEPARTMENT OF STATE
COASTAL MANAGEMENT PROGRAM

Coastal Assessment Form

A. INSTRUCTIONS (Please print or type all answers)

1. State agencies shall complete this CAF for proposed actions which are subject to Part 600 of Title 19 of the NYCRR. This assessment is intended to supplement other information used by a state agency in making a determination of significance pursuant to the State Environmental Quality Review Act (see 6 NYCRR, Part 617). If it is determined that a proposed action will not have a significant effect on the environment, this assessment is intended to assist a state agency in complying with the certification requirements of 19 NYCRR Section 600.4.

2. If any question in Section C on this form is answered "yes", then the proposed action may affect the achievement of the coastal policies contained in Article 42 of the Executive Law. Thus, the action should be analyzed in more detail and, if necessary, modified prior to either (a) making a certification of consistency pursuant to 19 NYCRR Part 600 or, (b) making the findings required under SEQR, 6 NYCRR, Section 617.11, if the action is one for which an environmental impact statement is being prepared. If an action cannot be certified as consistent with the coastal policies, it shall not be undertaken.

3. Before answering the questions in Section C, the preparer of this form should review the coastal policies contained in 19 NYCRR Section 600.5. A proposed action should be evaluated as to its significant beneficial and adverse effects upon the coastal area.

B. DESCRIPTION OF PROPOSED ACTION

1. Type of state agency action (check appropriate response):

(a) Directly undertaken (e.g. capital construction, planning activity, agency regulation, land transaction) X
(b) Financial assistance (e.g. grant, loan, subsidy) ____
(c) Permit, license, certification ____

2. Describe nature and extent of action: The New York State Thruway Authority (NYSTA) proposes the Adoption of New Toll Schedule Regulation (the action) in accordance with the State Environmental Quality Review Act (SEQRA). The Adoption of New Toll Schedule Regulation encompasses the entire Thruway system.

3. Location of action:

County	City, Town or Village	Street or Site Description
		Entire Thruway system.

4. If an application for the proposed action has been filed with the state agency, the following information shall be provided:

(a) Name of applicant: New York State Thruway Authority

(b) Mailing address: 200 Southern Boulevard, P.O. Box 189, Albany, NY 12201

(c) Telephone Number: Area Code (518) 471-5375

(d) State agency application number: not applicable

5. Will the action be directly undertaken, require funding, or approval by a federal agency?

Yes _____ No X If yes, which federal agency?_____

C. COASTAL ASSESSMENT (Check either "YES" or "NO" for each of the following questions)

	YES	NO
1. Will the proposed activity be located in, or contiguous to, or have a significant effect upon any of the resource areas identified on the coastal area map:		
(a) Significant fish or wildlife habitats?	__	X
(b) Scenic resources of statewide significance?	__	X
(c) Important agricultural lands?	__	X
2. Will the proposed activity have a significant effect upon:		
(a) Commercial or recreational use of fish and wildlife resources?	__	X
(b) Scenic quality of the coastal environment?	__	X
(c) Development of future, or existing water dependent uses?	__	X
(d) Operation of the State's major ports?	__	X
(e) Land and water uses within the State's small harbors?	__	X
(f) Existing or potential public recreation opportunities?	__	X
(g) Structures, sites or districts of historic, archeological or cultural significance to the State or nation?	__	X

3. Will the proposed activity involve or result in any of the following:

(a) Physical alteration of two (2) acres or more of land along the shoreline, land under water or coastal waters?	___	X
(b) Physical alteration of five (5) acres or more of land located elsewhere in the coastal area?	___	X
(c) Expansion of existing public services of infrastructure in undeveloped or low density areas of the coastal area?	___	X
(d) Energy facility not subject to Article VII or VIII of the Public Service Law?	___	X
(e) Mining, excavation, filling or dredging in coastal waters?	___	X
(f) Reduction of existing or potential public access to or along the shore?	___	X
(g) Sale or change in use of state-owned lands located on the shoreline or under water?		
(h) Development within a designated flood or erosion hazard area?	___	X
(i) Development on a beach, dune, barrier island or other natural feature that provides protection against flooding or erosion?	___	X

4. Will the proposed action be located in or have a significant effect upon an area included in an approved Local Waterfront Revitalization Program? X ___

D. SUBMISSION REQUIREMENTS

If any question in Section C is answered "Yes", AND either of the following two conditions is met:

Section B.1(a) or B.1(b) is checked; or
Section B.1(c) is checked AND B.5 is answered "Yes",

THEN a copy of this completed Coastal Assessment Form shall be submitted to:

New York State Department of State
Office of Coastal, Local Government and Community Sustainability
One Commerce Plaza
99 Washington Avenue, Suite 1010
Albany, New York 12231-0001

If assistance or further information is needed to complete this form, please call the Department of State at (518) 474-6000.

E. REMARKS OR ADDITIONAL INFORMATION

Additional information is included in the attached.

Preparer's Name: Daniel R. Nierenberg
(Please print)

Title: Environmental Specialist 2 Agency: NYSTA - Office of Transportation Planning and Environmental Services

Telephone Number: (518) 471-5375 Date: July 31, 2023

NEW YORK STATE DEPARTMENT OF STATE

COASTAL ASSESSMENT FORM – ADDITIONAL INFORMATION

Proposed Action Description

The New York State Thruway Authority (NYSTA) proposes the Adoption of New Toll Schedule Regulation in accordance with the State Environmental Quality Review Act (SEQRA). The purpose of the proposed action is to generate additional revenues that will be needed for the NYSTA to fulfill its system-wide operating, debt service, and capital needs through 2031. The proposed action would modify toll rates at all toll collection points, including the controlled ticket system (the mainline portion of the Thruway extending from Woodbury, NY to Erie, NY), the Governor Mario M. Cuomo Bridge, and the remaining barrier system gantries along the Thruway. It is anticipated that the proposed toll modifications would result in a minimal amount of temporary traffic diversion to alternate routes; however, no significant adverse impacts are anticipated. In addition, the proposed action would not include any construction activities.

C. Coastal Assessment

4. The proposed action would be located in an area included in an approved Local Waterfront Revitalization Program (LWRP):

The Adoption of New Toll Schedule Regulation encompasses the entire Thruway system, which passes through the following LWRP communities:

- City of New York, Bronx County
- Village of Larchmont, Westchester County
- Town of Mamaroneck, Westchester County
- City of Rye, Westchester County
- Village of Port Chester, Westchester County
- Village of Nyack, Rockland County
- Town of Llyod, Ulster County
- Town of Esopus, Ulster County
- City of Kingston, Ulster County
- Town of Schodack, Rensselaer County
- Town of Bethlehem, Albany County
- City of Albany, Albany County
- City of Amsterdam, Montgomery County
- Town of Pittsford, Monroe County
- City of Buffalo, Erie County
- Town of Tonawanda, Erie County
- Town of Grand Island, Erie County
- City of Lackawanna, Erie County
- Town of Hamburg, Erie County

- Town of Evans, Erie County
- Town of Brant, Erie County

Based on a review of the associated LWRP plans, the NYSTA has determined that the proposed action would not substantially hinder and would be consistent with the policies of the LWRPs to the maximum extent practicable.

SMART GROWTH IMPACT STATEMENT

This Smart Growth Impact Statement is a tool to assist the New York State Thruway (NYSTA) determine whether a NYSTA funded project is consistent with the State Smart Growth Public Infrastructure Criteria. Not all questions/answers may be relevant to all projects.

Project Name: NYS Thruway Authority Toll Modification
Project Number:
Date: August 11, 2023

Have any other entities issued a Smart Growth Impact Statement with regard to this project? (If so, attach same).

Yes ☐
No ☒

1. Does the project advance or otherwise involve the use, maintenance or improvement of existing infrastructure?

Yes ☒
No ☐
Not relevant ☐

Explain briefly: NYSTA is proposing a toll modification to fund the Authority's Capital Plan, maintain and operate the Thruway System, and comply with the Authority's General Revenue Bond Resolution and Fiscal Management Guidelines. On 1/1/24 and 1/1/27, base NY E-ZPass rates would be increased by 5% from their prior levels. In addition, at the Governor Mario M. Cuomo Bridge the base NY E-ZPass passenger car toll would be increased by 50 cents a year from 1/1/2024 through 1/1/2027, while passenger cars on the Westchester/Rockland Resident Plan will see their discount change from the current 17% to 20%, and the 40% commuter discount program would be maintained. Out-of-state E-ZPass and Tolls by Mail tolls would be increased system-wide from their current 15% and 30% differentials above the NY E-ZPass rate, respectively, to 75% above the NY E-ZPass rate. Truck tolls at all locations would be increased proportionately to car tolls by payment type. NOTE THAT THE PROPOSED ACTION DOES NOT INCLUDE ANY CONSTRUCTION OR PHYSICAL ALTERATIONS, ONLY TOLL RATES ARE AFFECTED.

2. Is the project located wholly or partially in a **municipal center**, characterized by any of the following: (check those that apply)

☐ A city or a village
☐ Area of concentrated and mixed land use that serves as a center for various activities including, but not limited to:
☐ Central business district (e.g. the commercial and/or economic heart or center of the municipality)
☐ Downtown area (such as a city's core (or center), which may include the central business district and functions as a "center" in a geographical, commercial, and community sense).
☐ Brownfield Opportunity Area (http://nyswaterfronts.com/BOA_projects.asp)
☐ Downtown areas of Local Waterfront Revitalization Plan area (http://nyswaterfronts.com/maps_regions.asp)
☐ Locations of transit-oriented development (such as projects serving areas that have access to mass or public transit for residents)
☐ Environmental Justice area (http://www.dec.ny.gov/public/899.html)

☐Hardship areas, which may include areas with high poverty rates, high unemployment, poor infrastructure, or other socio-demographic indicator considered below average.

☐ A developed area or area designated for concentrated infill development in a municipally approved comprehensive land use plan, LWRP or Brownfield Opportunity area plan/Hardship areas, which may include areas with high poverty rates, high unemployment, poor infrastructure, or other socio-demographic indicator considered below average.

Explain briefly:

Yes ☒
No ☐
Not relevant ☐

If Yes, please describe: The proposed action involves a toll modification along the existing NYS Thruway that would support the future maintenance and operation of an existing major transportation facility. The NYS Thruway is an existing link for New York's largest cities and for the entire Northeast. It provides connections to major municipal centers.

3. Does the project preserve and enhance the State's resources, including agricultural lands, forests, surface and groundwater, air quality, recreation and open space, scenic areas, and/or significant historic and archeological resources?

Yes ☐
No ☐
Not relevant ☒

Explain briefly: Although the proposed toll modification is anticipated to divert a small amount of traffic to alternate routes, the Environmental Assessment concluded that this would not result in significant impacts to regulated resources.

4. Does the project foster mixed land uses and compact development, downtown revitalization, brownfield redevelopment, the enhancement of beauty in public spaces, the diversity and affordability of housing in proximity to places of employment, recreation and commercial development and/or the integration of all income and age groups?

Yes ☐
No ☐
Not relevant ☒

Explain briefly: The proposed toll modification would provide the revenue necessary to support the maintenance and operation of this important transportation link, but would not directly affect community development.

5. Does the project provide mobility through transportation choices, including improved public transportation and reduced automobile dependency?

Yes ☐
No ☐
Not relevant ☒

Explain briefly: The proposed toll modification will allow the NYS Thruway to fulfill its mission to operate and maintain the NYS Thruway. Although the proposed action does not provide additional transportation choices, it does help support and maintain one of the most critical existing transportation facilities in NY State.

6. Does the project demonstrate coordination among state, regional, intermunicipal and local planning and governmental officials?

Yes ☐
No ☐
Not relevant ☒

Explain briefly: The proposed toll modification will allow the NYS Thruway to fulfill its mission to operate and maintain the NYS Thruway and will be undertaken in accordance with applicable regulations.

7. Does the project involve community-based planning and collaboration?

Yes ☒
No ☐
Not relevant ☐

Explain briefly: NYSTA conducted public outreach including a public comment period which started January 4, 2023 with the publication of the Notice of Proposed Rule Making in the State Register. Public hearings were held in person at different locations throughout the state on May 8th, 9th, 16th, and 22nd to afford the public an opportunity to be heard. An additional hearing on June 5th was held virtually and streamed live for public viewing. Comments received at the hearings and during the comment period were considered, and where deemed appropriate, addressed in the Environmental Assessment.

8. Does the project help ensure predictability in building and land use codes?

Yes ☐
No ☐
Not relevant ☒

Explain briefly: The proposed action does not involve physical improvements , therefore, relevance to building and land use codes is not applicable.

9. Sustainability

a. Does the project promote sustainability by strengthening existing communities or creating new communities that reduce greenhouse gas emissions and do not compromise the needs of future g

Yes ☐
No ☐
Not relevant ☒

Explain briefly: The proposed action involves a toll rate increase that will allow the NYS Thruway Authority to continue to operate and maintain Thruway infrastructure, keeping it safe and reliable for customers. The discounts for NY E-ZPass customers, commuters, and residents (at certain locations) reduce the economic burden of increased tolls.

b. During the development of the project, was there broad based public involvement?

Yes	X	NYSTA conducted public outreach including a public comment period which started January 4, 2023 with the publication of the Notice of Proposed Rule Making in the State Register. Public hearings were held in person at different locations throughout the state on May 8th, 9th, 16th, and 22nd to afford the public an opportunity to be heard. An additional hearing on June 5th was held virtually and streamed live for public viewing. Comments received at the hearings and during the comment period were considered, and where deemed appropriate, addressed in the Environmental Assessment.
No	☐	
Not relevant	☐	

c. If the project included development or implementation of all or part of a community plan, is there a governance structure in place (within the Authority and/or the local community) to ensure further implementation of the plan?

Yes	☐
No	☐
Not relevant	X

If Yes, please describe:

NYSTA/CC SMART GROWTH IMPACT STATEMENT

The New York State Thruway Authority has reviewed the available information regarding the following project and determined that it is consistent with the State Smart Growth Public Infrastructure Criteria: (check one)

Project Name: NYS Thruway Authority Toll Modification
Project Number:

X The project was developed in general consistency with the relevant Smart Growth Criteria.

☐ It was impracticable to develop this project in a manner consistent with the relevant Smart Growth Criteria for the following reasons:

NYSTA/CC SMART GROWTH IMPACT STATEMENT

The New York State Thruway Authority (NYSTA) has reviewed the available information regarding the following project and determined that it is consistent with the State Smart Growth Public lnfrastructure Criteria: (check one)

Project Name: ____NYS Thruway Authority Toll Modification
Project Number: _____

☒ The project was developed in general consistency with the relevant Smart Growth Criteria.

☐ It was impracticable to develop this project in a manner consistent with the relevant Smart Growth Criteria for the following reasons:

ATTESTATION

I, as designee of the Chief Executive Officer of the NYSTA, hereby attests that this project, to the extent practicable, meets the relevant criteria set forth above and, that to the extent that it is not practical to meet any relevant criterion, for the reasons given above.

_____
[signature] [date]

_____
[print name & title]