



**Thruway  
Authority**

# **Cashless Tolling Draft RFP Informational Meeting**

**January 31, 2019**

# Agenda

- A) Process for accessing NYSTA Properties
- B) Process for Changes moving forward
- C) Current Status of RFP Components
- D) ITP

## General Instructions

Appendix A – Project Information

Appendix B – Volume 1 – Administrative Submitted

Appendix C – Volume 2 – Technical Proposal

Appendix D – Volume 3 – Price Proposal

Appendix E – Forms

Appendix F – Conflict of Interest Policy

# Agenda continued

Appendix G – Abbreviations and Definitions

\*What's still missing

\*\*Highlights

E) Part 1 & 2 DB Agreement and Section 100

F) Part 4 – Utilities

G) Part 5 – Special Provisions

H) Part 6 – RFP Plans

I) Part 8 – Special Specifications

J) Part 9 & 10 – DB Proposal & Amendments

K) Part 3 – Project Requirements

L) Engineering Data

# Agenda continued

Draft to Final RFP

Payments to Design-Builder\*

\*Required in Price Proposal

Mainline Gantries and Terminus Locations

Interchanges

ORT Exit Sites

Special Exits

Sign Packages

# A) Process for accessing NYSTA Properties

- Limits
- Contact List
  - New York
  - Albany
  - Syracuse
  - Buffalo
- Site Visit Rules
  - Prior identification of what you want to view
  - No discussion with escort from Division
  - One visit per Division per team – photos are permitted
  - Do Not ask questions – follow the Procurement Rules and submit question in writing to our Designated Representative

## B) Process for Changes

- Track changes for text portions Parts 1,2, 3, 4 and 5
- New dates for images, drawings, specifications Parts 6, 7, and 8 ...

## B) Process for Changes continued

### Final will be reverted to a conformed document

- Begin track changes for all changes, points of clarity (if required, and amendments)
- Google images will be provided as note to proposals identifying the google image that was changed

## C) Current Status of RFP Components

- What's missing
- Highlights
- Projection of Segments moving forward

## D) ITP General Instructions

### What's missing

- Section A-10 Other Projects that could cause potential conflicts that the Design-Builder may have to coordinate with:
  - That have already been let
  - Or are likely to be let within the next two plus years
- Section A-10 Non-Revenue Pass Plates provided
  - Declares until “All Electronic Tolling Goes Live”
  - Authority to work with Design-Builder prior to that date on how to continue
- Statewide Agreement on NYSDOT Permits
  - Nothing in there but authority has to secure this
  - Expect as an Amendment

## D) ITP General Instructions continued

- Incentives for Toll Booth Removals
  - Description of conditions that have to be in place to justify incentive
  - Values of Incentives
- Do not expect Major Changes – minor tweaks

# Incentives

<u>Location</u>	<u>AADT</u>	<u>Value</u>
Exit 24 Int.	90,300	\$1,000,000
Williamsville	73,000	\$800,000
Lackwanna	66,000	\$725,000
Exit 25 Int.	48,000	\$525,000
Exit 45 Int.	44,000	\$475,000
Canaan	32,000	\$350,000
	Potential Incentives	\$3.875M

# D) Appendices A- D

Appendix A - Project Information

Appendix B – Volume 1 – Administrative Submittals

Appendix C – Volume 2 - Technical Proposal – Process XXXXX

Appendix D – Volume 3 – Price Proposal

## D) Appendices A –D continued

What's missing

- Quality Weighing to be provided in Final

Highlights

- Procurement Schedule
  - AETC Deadline December 15, 2020
  - Projected Completion December 15, 2021
- Stipend Elevated to \$350,000
- MWBE Goal 20%
- SDVOB Goal 0.5%

## D) Appendices E - G

- Appendix E - Forms
  - Editable Forms at Final RFP (Word versions)
  - WPS & SP Forms at Final RFP (Excel versions)
  - AAP-10 at Final RFP (Word format)
  - Gantt Chart at final RFP
  - Have to develop forms for:
    - Tolling equipment for Mainline Gantry and Terminus locations
    - Tolling equipment for ORT Exit SitesBoth based on # of travel lanes and shoulders to be equipped
- Appendix F – Conflict of Interest – No changes
- Appendix G – Abbreviations and Definitions – No changes

# Parts 1 & 2

- DB Agreement – New Version has been provided
  - Article 2.0 – Primarily 2.1, 2.2, 2.3, and 2.4 were modified
- Section 100 – A clean version was provided and all the sections were provided
- These were sent to Designated Representatives on Monday, January 28<sup>th</sup>
- Do not expect further changes to the DB Agreement
- Section 100 may have minor tweaks

\*The incentive inclusion for the Toll Booth removals may impact both

# Part 4 Utilities

This Section was replaced in its entirety on January 24, 2019

- It will not change further
- Was done without Track Charges

\*We will update the contact list of Electric Companies and provide in Final RFP if changes occur

# Part 5 Special Provisions

- No changes made
- A final review is required but we do not expect any changes.

# Process for Changes (on Draft RFP) continued

- Part 6 RFP Plans
- There are no directive Drawings
- There are Indicative/Conceptual Drawings
  - Some modifications on Existing Concepts (modifications to text) – No Track Changes
  - Refer to Section 23 to see the Directive aspects of Concepts along with other Sections of Parts 7 – Engineering Data
- Part 6 was recently updated on the website – delete entirely

# Process for Changes (on Draft RFP) continues

- Part 8
  - Need to ensure all Special Specifications referred in other parts of the RFP are provided
  - Check the date of Special Specs Section – if it changes the Specifications were added or subtracted or modified
  - From this point on we will highlight the Item Listing at the beginning of the section
  - Special Specifications have been added in the Draft went out

# Part 8 Special Specifications

- Need to ensure all Special Specifications referred in other parts of the RFP are provided
- Check the date of Special Specs Section – if it changes the Specifications were subtracted or modified
- From this point on we will highlight the item listing at the beginning of the section
- Special Specification have been added since the Draft went out
  
- Parts 9 and 10 Not applicable at this stage in Procurement

# J) Part 3 – Project Requirements

-Section 1 – General	Tweaks
-Section 2 – Project Management	Tweaks
-Section 3 – Environmental Compliance	Tweaks
-Section 4 – General Project Scope of Work	NC
-Section 5 – Surveying and GIS	NC
-Section 6 – Right-of-Way	NC
-Section 7 – Public Involvement	NC
-Section 8 – Utilities*(No Track changes)***	NC
-Section 9 – Geotechnics	NC
-Section 10 – Structures	NC

\*\*\*Total New Section Provided

\*\* Track Change Versions (hard copies) are available on the Table

# J) Part 3 – Project Requirements continued

-Section 11 – Landscape Architecture	NC
-Section 12 – Signage Pavement Markings and Signals**	
• VMS Board Issues	Changes
• Signal at Int. 23	Addition
• Overhead Sign Structures	Additional
-Section 13 – Lighting **	Tweaks
-Section 14 – ITS	NC
• Don't expect to use this Section	
-Section 15 – Work Zone Traffic Control **	Tweaks
-Section 16 – Pavement Design and Construction **	Tweaks
-Section 17 – Drainage and Storm water	NC

\*\*\*Total New Section Provided

\*\* Track Change Versions (hard copies) are available on the Table

# J) Part 3 – Project Requirements continued

- |  |          |
|--|----------|
| - Section 18 – Highway Design **                         | Tweaks   |
| - Section 19 – Security                                  | ----     |
| • Still needs to be done                                 |          |
| • Has to do with Communications Bldgs.                   |          |
| • Final RFP  |          |
| -Section 20 – Tandem Lots **                             | Tweaks   |
| -Section 21 – Mainline Gantries and Terminus locations** |          |
| • Kapsch Requirements                                    | Addition |
| -Section 22 – ORT Exit Sites (34 locations)              | Tweaks   |
| - Need overall final review                              |          |

\*\*\*Total New Section Provided

\*\* Track Change Versions (hard copies) are available on the Table

# J) Part 3 – Project Requirements continued

-Section 23 – Interchange Work (11 locations) (No track changes)***	Tweaks
-Section 24 – Special Exit Work (16, 17, and 35) **	Tweaks
-Section 25 – Demolition of Toll Plazas**	Tweaks
-Section 26 – Communication Bldgs.**	Tweaks
-Section 27 – Standards	NC

\*\*\*Total New Section Provided

\*\* Track Change Versions (hard copies) are available on the Table

# Part 7 Engineering Data

Section 1 -	Gantry Limits	NC
Section 2 -	ORT Exit Sites	Change
Section 3 -	Proposed Legislative Tandem Routes*	NC
Section 4 -	ORT Gantry Equipment Layout* and ORT Communication Building Layout	NC
Section 5 -	Terminus Locations – Concepts*	NC
Section 6 -	Asbestos & Hazardous Material	NC
Section 7 -	Wetland Assessments	NC
Section 8 -	Signage Packages Required*	NC

# Part 7 continued

Section 9 -	GPS Utility Information at all Interchanges and Terminus Locations Utility Permitted (Permits Issued) on Thruway ROW	Addition Interchange 44
Section 10 -	Highway Right of Ways	NC
Section 11 -	Snow & Ice U-Turns Required*	Additions Possible
Section 12 -	Existing ORT Generator and Supplemental/new need requirements	NC
Section 13 -	Power Pole locations on Thruway ROW*	NC
Section 14 -	Pavement Repairs, minimum Toll Booth removal requirement *	NC
Section 15 -	Special Exits – Concept Plans*	NC

# Part 7 continued

Section 16 -	Minimum Toll Booths required to be operational	Additions Currently does not include interchanges
Section 17 -	VMS Locations*	Change
Section 18 -	Existing & Proposed Conditions*	NC
Section 19 -	Traffic Data – DHV @ Interchanges and Daily traffic data by the hour at all locations	NC

\*indicates recently updated

# Draft to Final RFP

Draft RFP Part 3 – Project Requirements

Will be issued in its entirety complete with all track changes

February 7<sup>th</sup>

- This will document all the changes incorporated

The Final RFP will be converted to a conformed document and the additions we mentioned thus far will then be incorporated

Moving forward on the Final RFP

# Payments

## Design Payments

## DB 109-2.2

25% first month after NTP

15% second month\*

10% third month\*

50%

5% at final acceptance

Leaves 45% equally distributed each month until Project Completion

# Payments continued

## Construction Inspection

10% first month after Design-Builder Mobilizes

10% at Final Acceptance

20%

Leaves 80% equally distributed over months until project Completion

## Independent Quality Control Services Firm

100% equal monthly payments from First test to Project Completion

# Payments & Submittals in Price Proposal

- Design
- Construction Inspection
- Independent Quality Control Services
  
- WPS Forms
  - Interchanges (11)
  - Special Exits (3)
  - Mainline Gantries (min 16/max 32)
  - Terminus Locations (min5/max 10)
  - Min 69/ Max 90
- Example of WPS - Interchanges

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**FORM WPS  
WORK PAYMENT SCHEDULE**

WORK PAYMENT SCHEDULE (Interchange Work (11 Interchanges)) Interchange at Exit _____ (I.e. 24)		
WORK ITEM	MAXIMUM PERCENT OF LUMP SUM PRICE	PERCENT OF LUMP SUM PRICE (To be completed by D-B) <sup>1</sup>
Survey	5%	
Highway Asphalt Work - Direction 1 (50%) - Opposing Direction 2 (50%) - Highway Concrete Repairs (includes sealing of cracks) (10%) - Toll Plaza Removal Area Reconstruction (25%) - Asphalt T and L and Base Complete (15%) - Asphalt Binder Course Complete (25%) - Asphalt Top Complete (correct super elevation) (25%)	20%	
Toll Plaza Removed - Direction 1 (50%) - Opposing Direction 2 (50%)	15%	
Positive Separation (Final)	5%	
Removal of Existing TUB Complete	5%	
Tandem Lot Modifications of Intersections as per Legislative Proposed Routes	10%	
New Tandem Lot Construction (Exit 39 only)	10%	
Tandem Lot Modifications - Access Modifications - Accelerating Lane Construction - Camera Installation - Misc. Work (separation of traffic, lighting installation, striping, gate installations)	14%	
Signing Package - Ordering of Signage (Complete) (50%) - Delivery of Signage (Complete) (10%)	10%	

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- Transitional Signage Installation (10%)		
- Completed Erection of Permanent Signage and Public Visibility (30%)		
Electrical Work Complete	5%	
Fiber Work Complete	4%	
Work Zone Traffic Control (During staging to complete, toll plaza removal and asphalt completion)	20%	
- Direction 1 (50%)		
- Opposing Direction 2 (50%)		
Work Zone Traffic Control for All Other Applications	14%	
- Direction 1 (50%)		
- Opposing Direction 2 (50%)		
Temporary Striping During Staging and Asphalt Paving Lifts	3%	
- Direction 1 (50%)		
- Opposing Direction 2 (50%)		
Final Striping Complete	3%	
Footprint Reduction	4%	
Landscaping	3%	
Guardrail Work	5%	
Overhead Sign Structure Erection (where required) *	10%	
- Structure Foundation (15%)		
- Structure Order (40%)		
- Structure Delivery (20%)		
- Structure Complete with Signs (25%)		
Punch List Work	1% (fixed)	1% (fixed)
Final Acceptance (Per DB §109-12.1)	2% (fixed)	2% (fixed)
Final Agreement (Per DB §109-12.2)	2% (fixed)	2% (fixed)

# Payments & Submittals in Price Proposal continued

- SP Forms
  - Uses WPS totals
  - Force Account Item (Draw down Account)
  - 4% Mobilization
  - Design
  - CI
  - Quality Control
  - Total
- Example of SP form

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**FORM SP**  
**SCHEDULE OF PRICES**

Proposer: \_\_\_\_\_

Item #	Item Name	Price (1)
806.06000115	Design Build – Construction Work Woodbury	
806.06000215	Design Build – Construction Work Special Exit 16	
806.06000315	Design Build – Construction Work Special Exit 17	
806.06000415	Design Build – Construction Work Exit 18	
806.06000515	Design Build – Construction Work Exit 19	
806.06000615	Design Build – Construction Work Exit 20E	
806.06000715	Design Build – Construction Work Exit 20W	
806.06000815	Design Build – Construction Work Exit 21	
806.06000915	Design Build – Construction Work Exit 21B	
806.06001015	Design Build – Construction Work Exit B1	
806.06001115	Design Build – Construction Work Exit B2	
806.06001215	Design Build – Construction Work Canaan	
806.06001315	Design Build – Construction Work Exit 22	
806.06001415	Design Build – Construction Work Gantry	
806.06001515	Design Build – Construction Work Interchange 23	
806.06001615	Design Build – Construction Work Gantry	
806.06001715	Design Build – Construction Work Interchange 24	
806.06001815	Design Build – Construction Work Gantry	
806.06001915	Design Build – Construction Work Interchange 25	
806.06002015	Design Build – Construction Work Gantry	
806.06002115	Design Build – Construction Work Interchange 25A	
806.06002215	Design Build – Construction Work Gantry	
806.06002315	Design Build – Construction Work Exit 26	
806.06002415	Design Build – Construction Work Exit 27	
806.06002515	Design Build – Construction Work Exit 28	
806.06002615	Design Build – Construction Work Exit 29	
806.06002715	Design Build – Construction Work Exit 29A	
806.06002815	Design Build – Construction Work Exit 30	

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806.06002915	Design Build – Construction Work Exit 31	
806.06003015	Design Build – Construction Work Exit 32	
806.06003115	Design Build – Construction Work Exit 33	
806.06003215	Design Build – Construction Work Exit 34	
806.06003315	Design Build – Construction Work Gantry	
806.06003415	Design Build – Construction Work Interchange 34A	
806.06003515	Design Build – Construction Work Gantry	
806.06003615	Design Build – Construction Work Special Exit 35	
806.06003715	Design Build – Construction Work Gantry	
806.06003815	Design Build – Construction Work Interchange 36	
806.06003915	Design Build – Construction Work Gantry	
806.06004015	Design Build – Construction Work Exit 37	
806.06004115	Design Build – Construction Work Exit 38	
806.06004215	Design Build – Construction Work Gantry	
806.06004315	Design Build – Construction Work Exit 39	
806.06004415	Design Build – Construction Work Gantry	
806.06004515	Design Build – Construction Work Exit 40	
806.06004615	Design Build – Construction Work Exit 41	
806.06004715	Design Build – Construction Work Exit 42	
806.06004815	Design Build – Construction Work Exit 43	
806.06004915	Design Build – Construction Work Gantry	
806.06005015	Design Build – Construction Work Interchange 44	
806.06005115	Design Build – Construction Work Gantry	
806.06005215	Design Build – Construction Work Interchange 45	
806.06005315	Design Build – Construction Work Gantry	
806.06005415	Design Build – Construction Work Interchange 46	
806.06005515	Design Build – Construction Work Gantry	
806.06005615	Design Build – Construction Work Interchange 47	
806.06005715	Design Build – Construction Work Gantry	
806.06005815	Design Build – Construction Work Exit 48	
806.06005915	Design Build – Construction Work Exit 48A	
806.06006015	Design Build – Construction Work Exit 49	
806.06006115	Design Build – Construction Work Williamsville	
806.06006215	Design Build – Construction Work Lackawanna	
806.06006315	Design Build – Construction Work Exit 56	



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806.06006415	Design Build – Construction Work Exit 57	
806.06006515	Design Build – Construction Work Exit 57A	
806.06006615	Design Build – Construction Work Exit 58	
806.06006715	Design Build – Construction Work Exit 59	
806.06006815	Design Build – Construction Work Exit 60	
806.06006915	Design Build – Construction Work Ripley	
800.04000025	Design Build – Force Account Work	\$5,000,000.00
	Subtotal A	
800.05000015	Design Build – Site Mobilization (Maximum 4% of Subtotal A)	
	Subtotal B (Sum of Subtotal A and Site Mobilization)	
800.01000015	Design Build – Design Services	
800.02000015	Design Build – Construction Inspection Services	
800.03000015	Design Build – Quality Control Services (Materials and Testing)	
	<b>TOTAL PROPOSAL PRICE</b>	

Notes:

- 1.) Proposers shall complete Form SP-1, the Price Spreadsheet located on the Authority's Project web site.
- 2.) Subtotal B will be the value used to calculate the 51% Prime/MWBE/SDVOB self-work requirement less any Self Performance Specialty Items included in Part 5 – Special Provisions.

Instructions:

- 1.) Enter Lump Sum Price for each Price Item in the white, non-shaded, cells.



# Mainline Gantries and Terminus Locations

## Section 21 of Part 3

- Conceptuals for Terminus locations only
  - Part 7 – Section 5
- Part 7 Sections that Apply
  - Part 7 – Section 1,5\*,6\*,7,8,9,10,13,14\*,16\*,18,19\*
- Part 3 Project Requirements
  - All Sections except 20,22,23,24

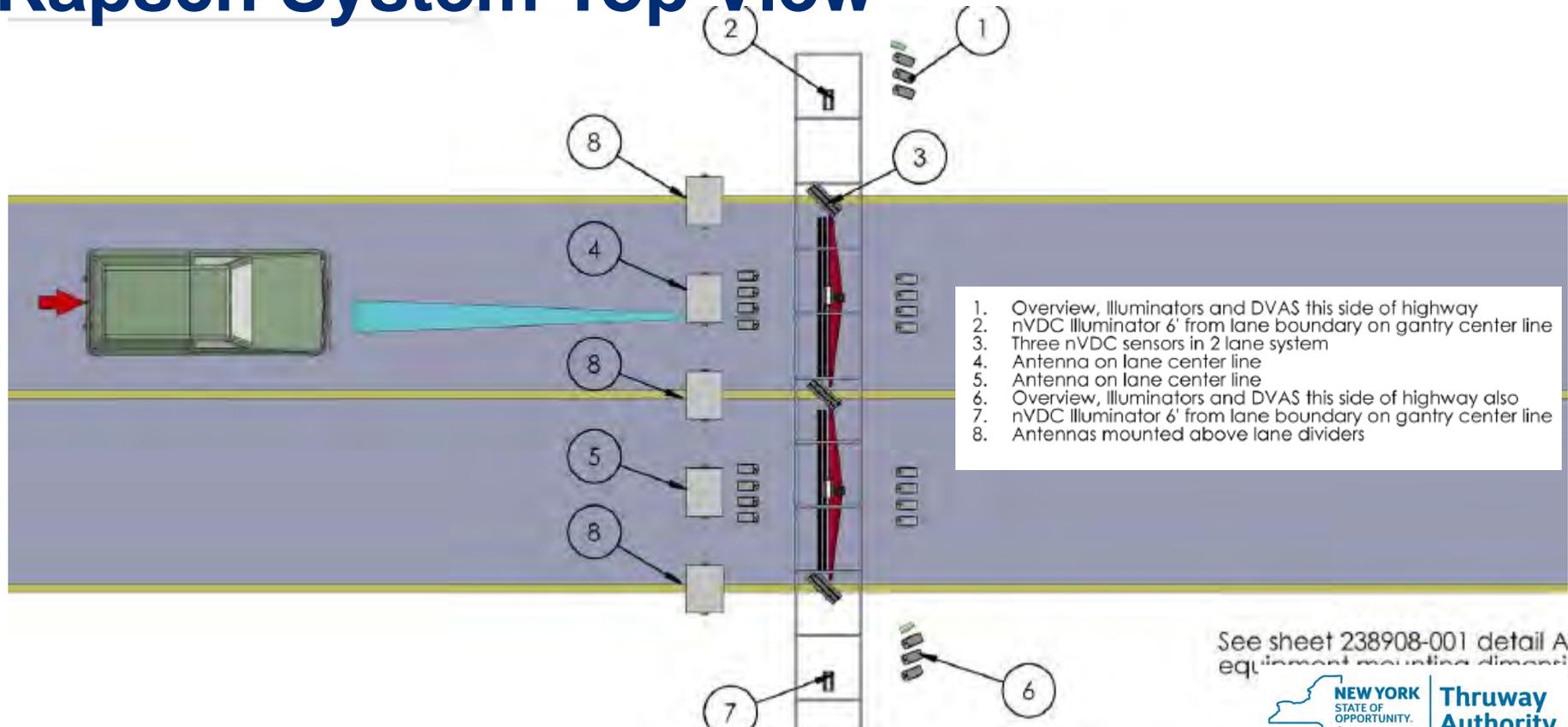
## General Overview

- Gantry
- Concrete Pavement
- Standard Sheets for lane closures by Divisions on Mainline
- Protection of Vertical Supports of Gantry
- Location of Communication Building (21'x21' minimum)
- Security Information provided

## Available splice location for fiber

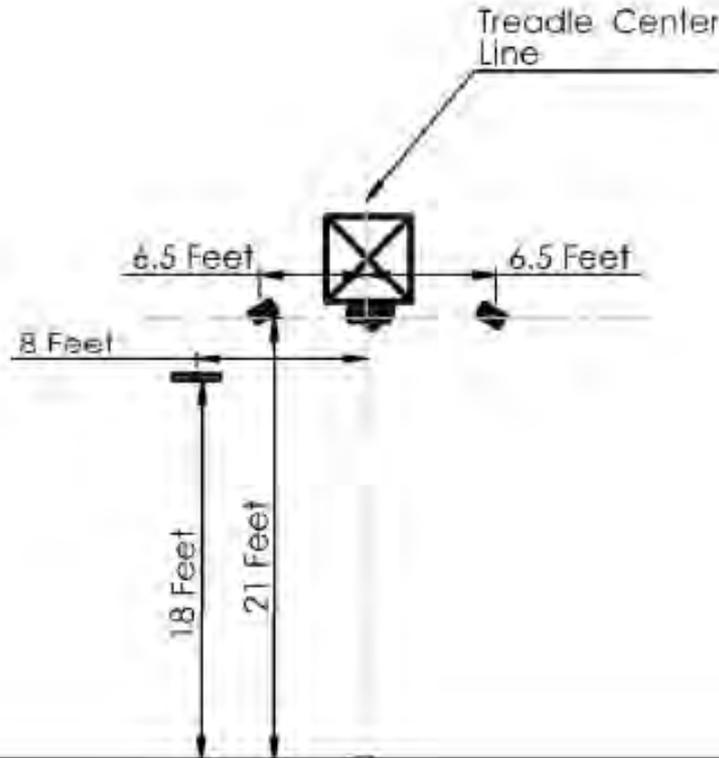
- Kapsch Teams notice/worktime/testing
- Kapsch Information/Requirements are missing for RFP

# Kapsch System Top View



See sheet 238908-001 detail A  
equipment mounting dimensions

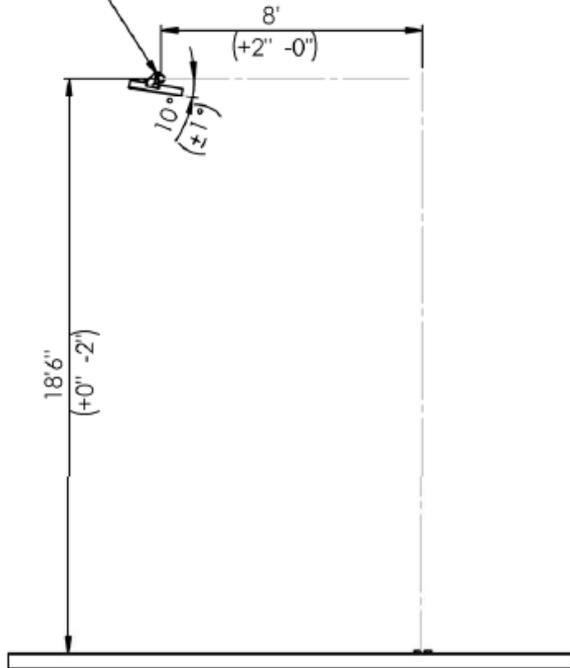
# Kapsch System Elevation View



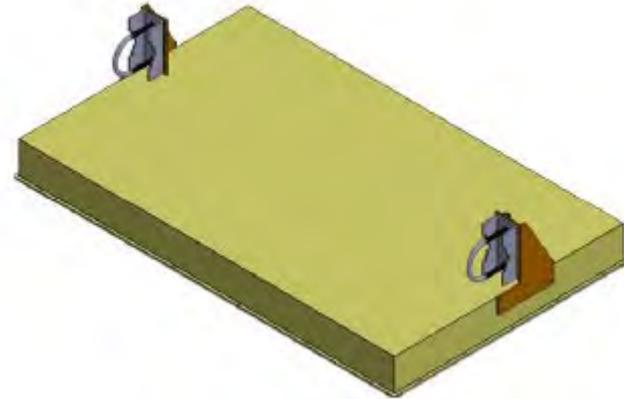
- Horizontal - Center line of treadle to center of equipment
- Vertical – each device is measured to **pavement over each device**

# Kapsch System- Antenna Elevation View

Dimensions  
reference the  
clamp center

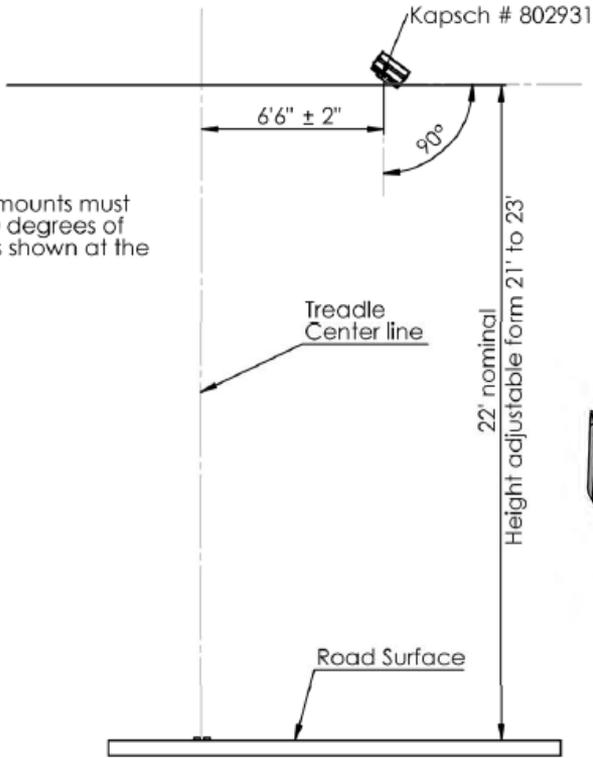


Elevation View



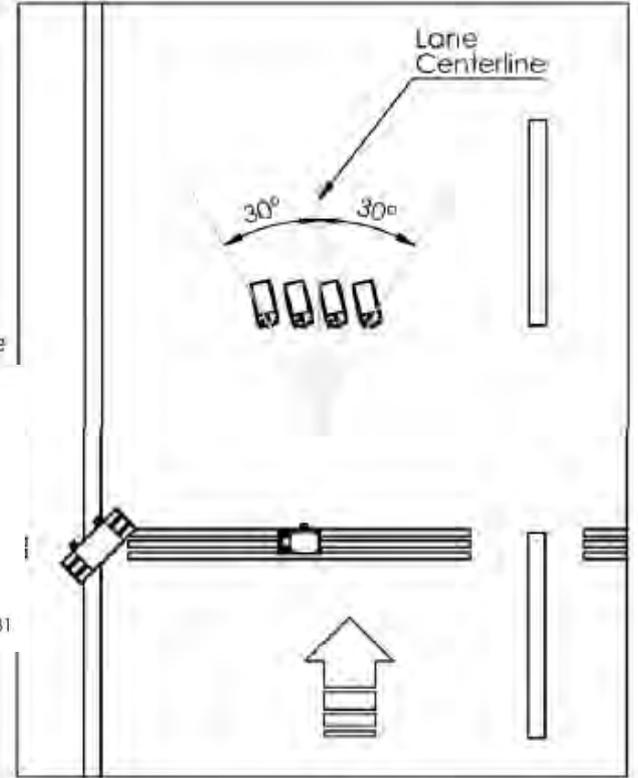
# Kapsch System- Front/Rear Camera

Cameras mounts must support 90 degrees of rotation as shown at the right.



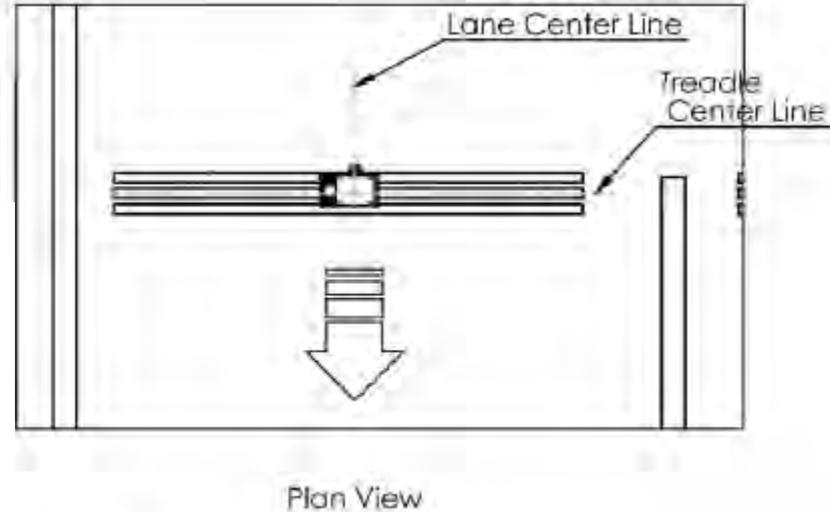
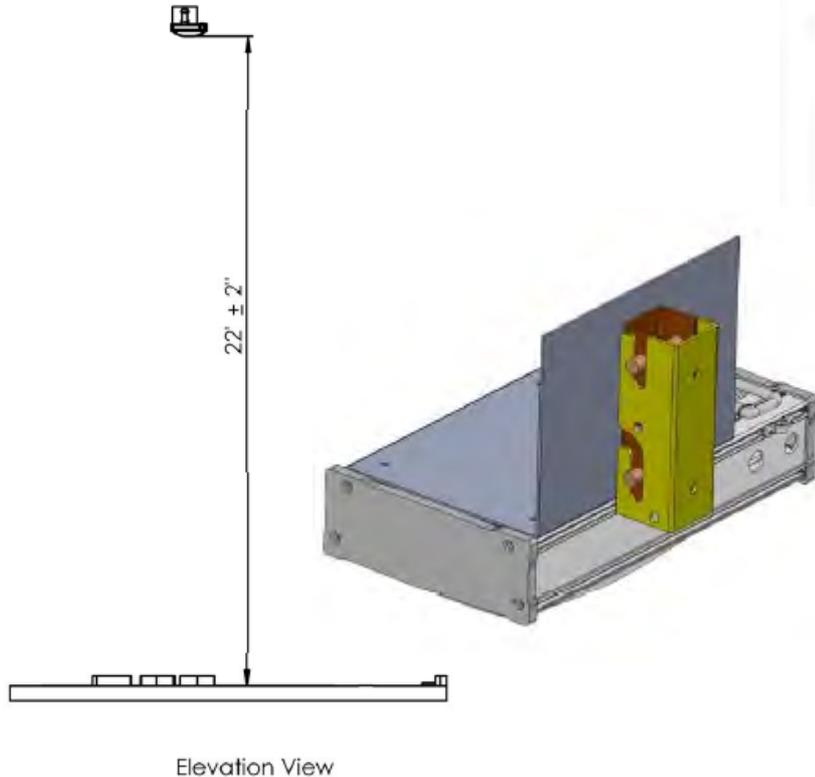
Elevation View

Cameras mounts must support 60 degrees of rotation as shown at the right.



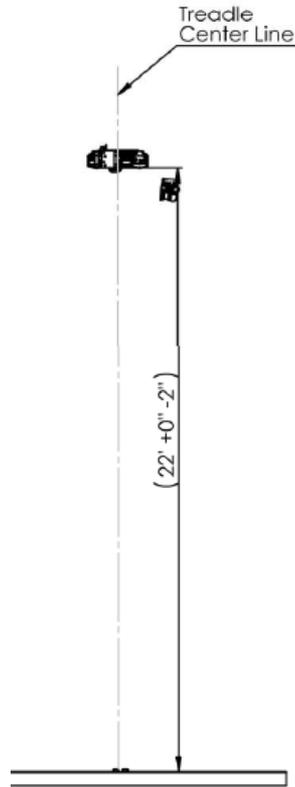
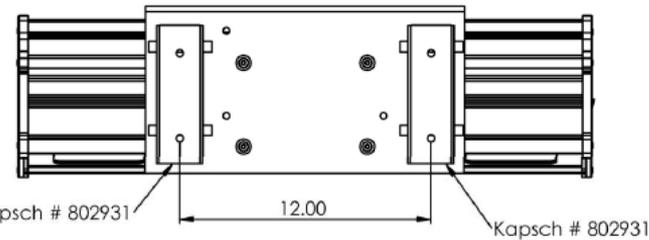
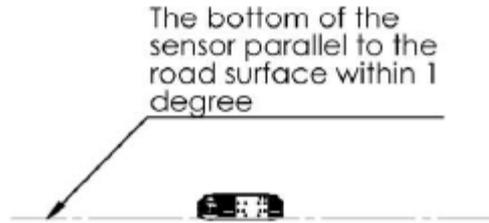
Plan View

# Kapsch System- Illuminator

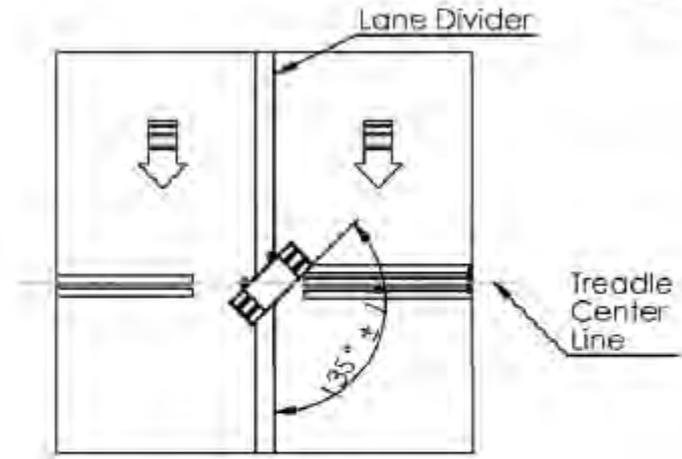


Note: The center point of the illuminator is mounted over the intersection of the lane center line and the treadle center line.

# Kapsch System- NVDC



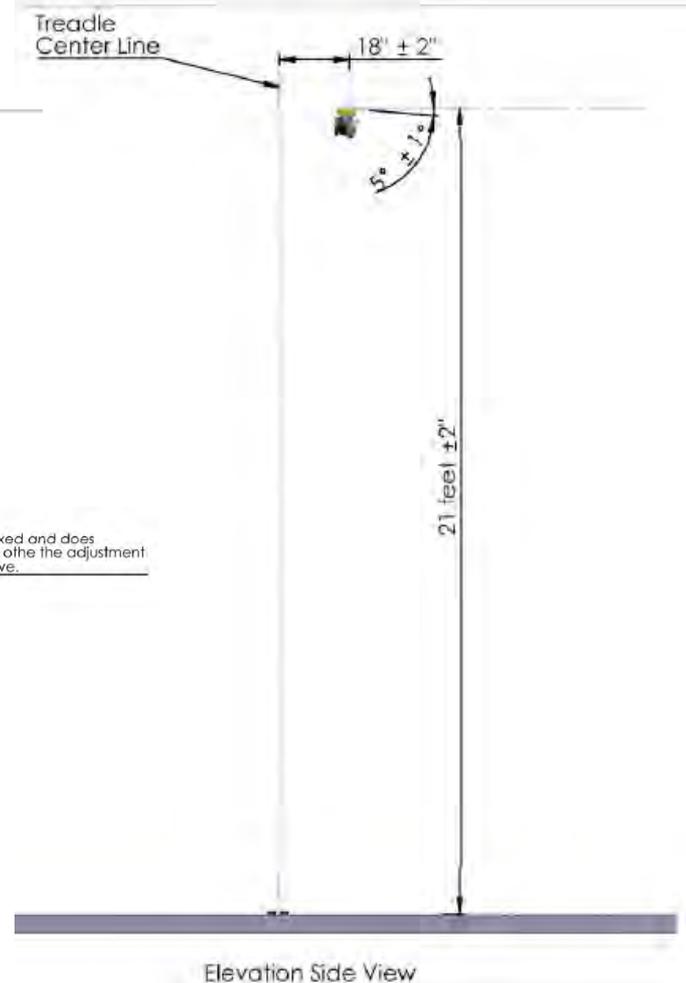
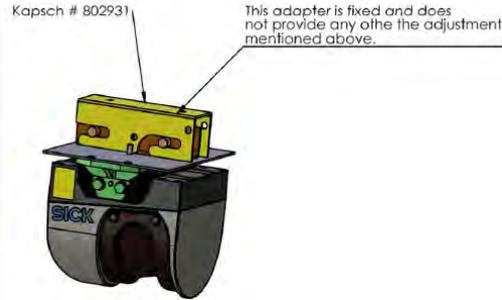
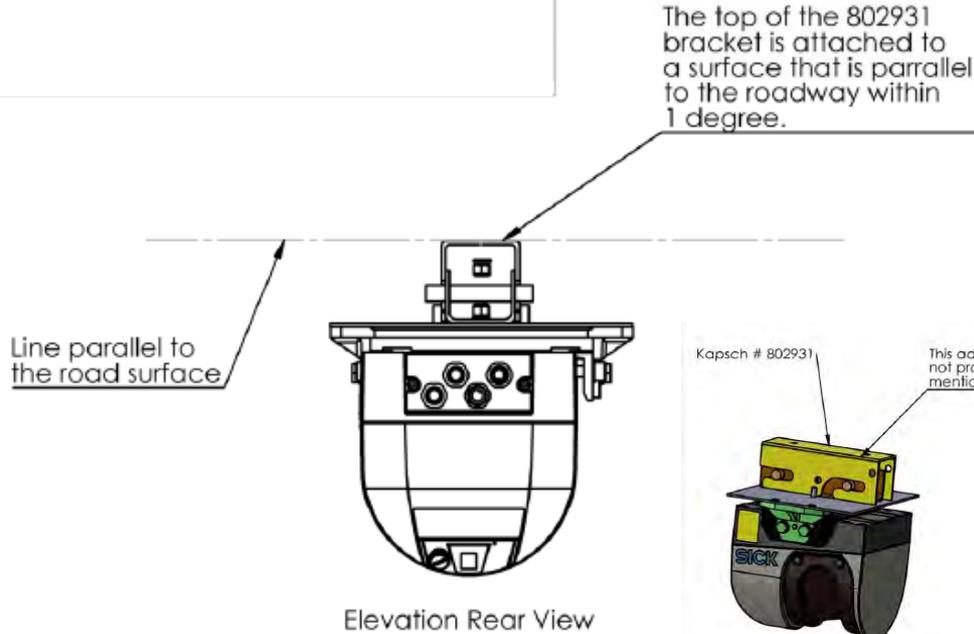
Elevation Side View



Plan View

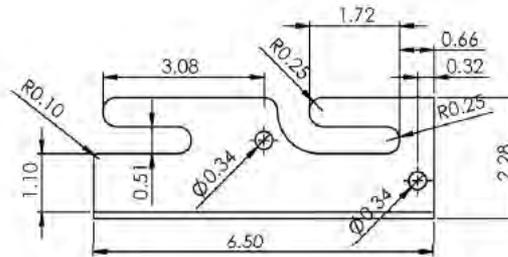
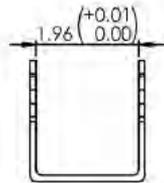
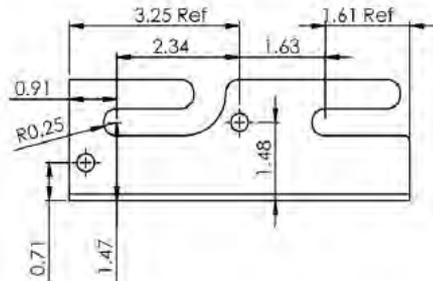
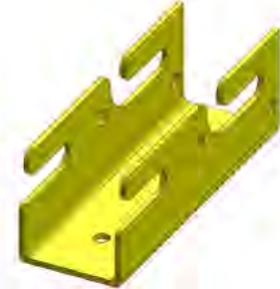
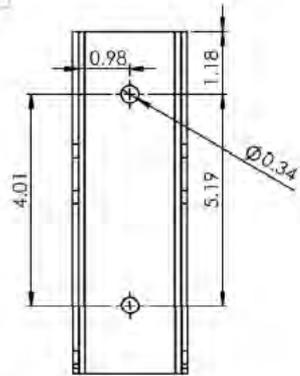
The sensor center point is mounted over the intersection of the lane divider and the treadle center line. Plus or minus 2".

# Kapsch System- Laser



# Kapsch System- Bracket

These drawings and specifications contain confidential and proprietary information and are the property of Kapsch TrafficCom USA Inc. and are issued in strict confidence and will be kept confidential and used solely for the purpose intended and for no other purpose and shall not be transmitted, reproduced, copied, and/or used as the basis for manufacture or sale of apparatus unless otherwise agreed to in writing by Kapsch TrafficCom USA Inc.



# Interchanges

## Section 23 of Part 3

- Conceptuals for Interchanges 23,24,25,25A,34A,36,39,44,45,46,47

### Part 6 of RFP

- Part 7 Sections that Apply

Part7, Sections 3,6,8,9,10,11,13,14,16,17,18,19 Possibly 13

- Part 3 – Project Requirements

All Sections except 19,21,22,24,26

- Interchange 24

- Interchange 36

DESIGN SUPERVISOR: B. DOHERTY  
 DESIGNED BY: B. LAGRAVE  
 DRAWING NO. 24-01  
 DRAWING DATE: 1/11/2019  
 CHECKED BY: K. COZAR  
 DRAWN BY: P. FITZGERALD  
 CHECKED BY: K. COZAR



 <b>Thruway Authority</b> 	TITLE OF PROJECT CASHLESS TOLLING ON THE NYS THRUWAY	CONTRACT NUMBER:
	LOCATION OF PROJECT EXITS 16 TO 61	DATE: 1/11/2019
	TITLE OF DRAWING INTERCHANGE 24 CONCEPT	DRAWING NUMBER:

DESIGN SUPERVISOR: B. DOWERY  
 DESIGNED BY: B. LAGRAVE  
 DRAFTED BY: P. FITZGERALD  
 CHECKED BY: K. CZORA  
 DRAWN BY: K. CZORA  
 CHECKED BY: K. CZORA



	TITLE OF PROJECT CASHLESS TOLLING ON THE NYS THRUWAY	CONTRACT NUMBER
	LOCATION OF PROJECT EXITS 16 TO 61	DATE 1/11/2019
	TITLE OF DRAWING INTERCHANGE 36 CONCEPT	DRAWING NUMBER

# ORT Exit Sites

ORT Exit Sites (34 Locations)

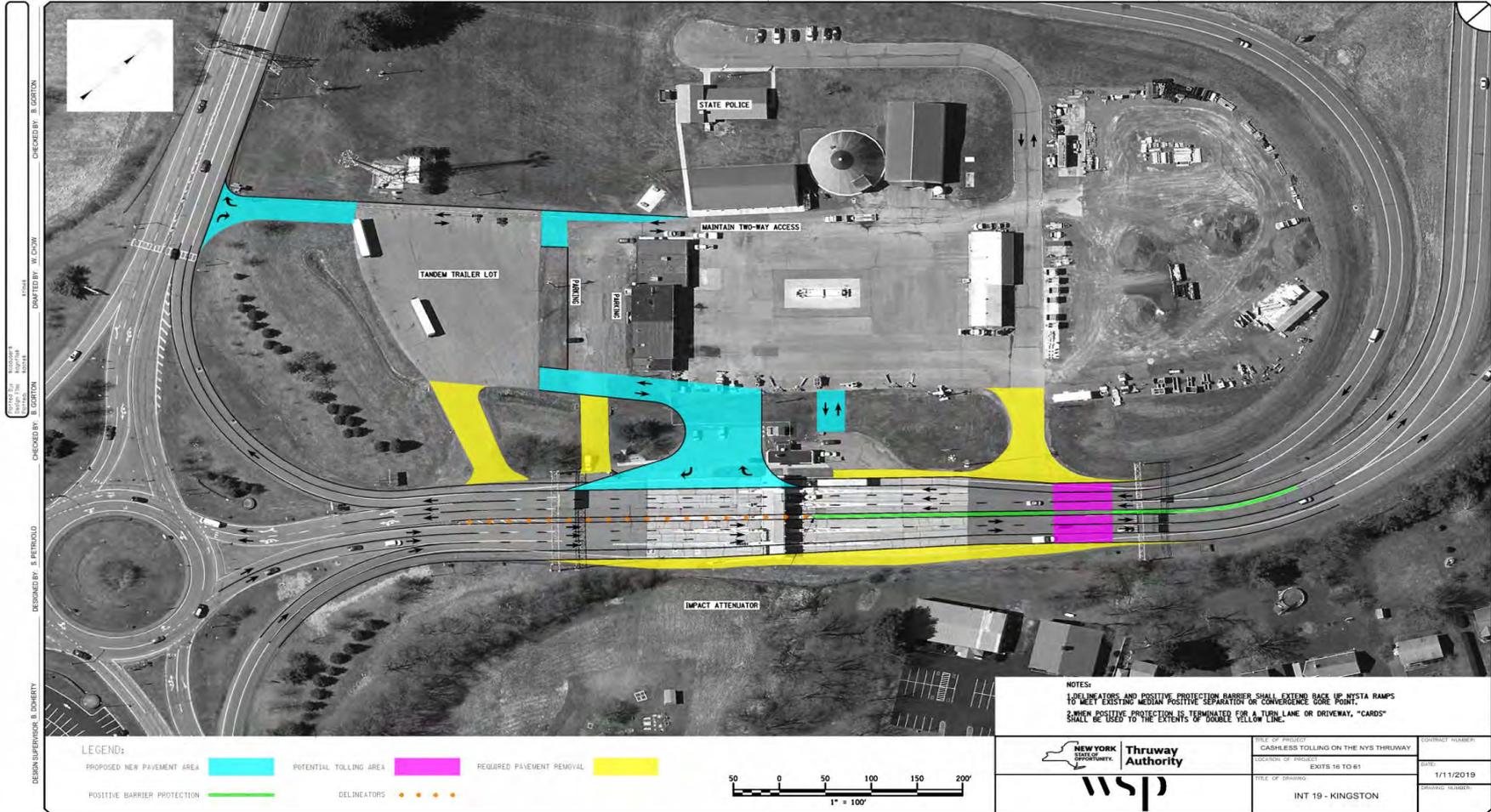
Section 22 of Part 3

- Conceptuals for ORT Exit Sites  
Part 7, Section 2

- Part 7 Sections that Apply  
Part 7, Sections 3,4,6,8,9,10,11,12,14,16,17,18,19 Possibly 13

- Part 3 Project Requirements  
All Except Sections 21,23,24

ORT Exit Site Exit 19  
Exit 32



DESIGN SUPERVISOR: B. DOHERTY  
 DESIGNED BY: S. PETROLO  
 DRAFTED BY: W. CHOW  
 CHECKED BY: B. DORTON  
 DRAWING NO.: 19-001  
 DATE: 1/31/19

 <b>Thruway Authority</b> 	FILE OF PROJECT: CASHLESS TOLLING ON THE NYS THRUWAY LOCATION OF PROJECT: EXITS 16 TO 61 FILE OF DRAWING: INT 19 - KINGSTON	CONTRACT NUMBER: DATE: 1/11/2019 DRAWING NUMBER:
----------------------------------	---	--

DESIGNED BY: B. LAGRIVE  
 CHECKED BY: N. CZOKA  
 DRAWING BY: E. BAYER  
 CHECKED BY: J. GLEN  
 TITLE: CASHLESS TOLLING ON THE NY'S THRUWAY  
 LOCATION OF PROJECT: EXITS 16 TO 61  
 TITLE OF DRAWING: INT 32 - WESTMORELAND, ROME  
 DRAWING NUMBER:

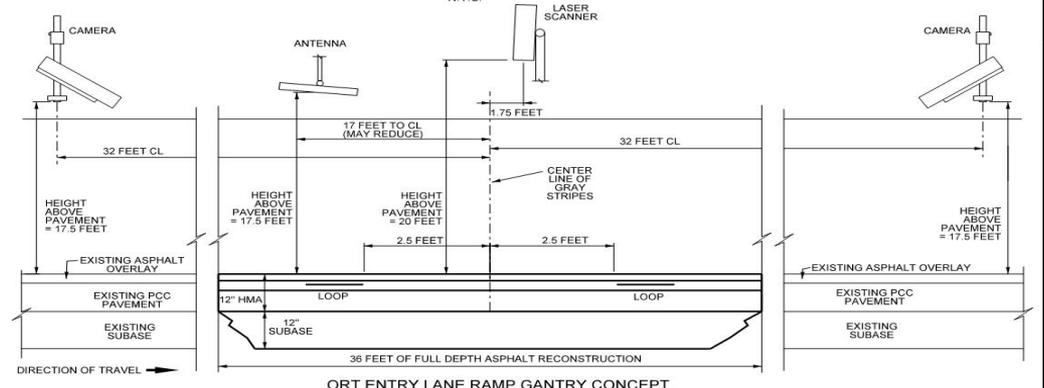
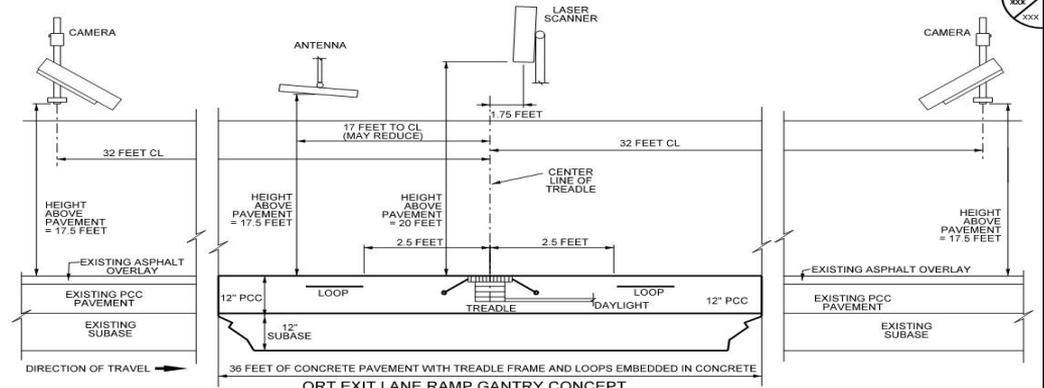
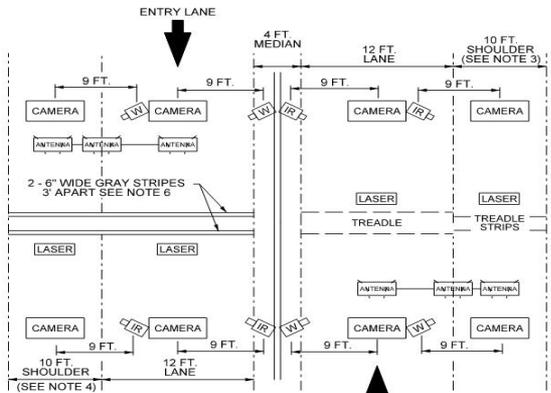


- NOTES:**
1. DELINEATORS AND POSITIVE PROTECTION BARRIER SHALL EXTEND BACK UP NYSTA RAMPS TO MEET EXISTING MEDIAN POSITIVE SEPARATION OR CONVERGENCE GORE POINT.
  2. WHEN POSITIVE PROTECTION IS PREMATURELY TERMINATED FOR A TURN LANE OR DRIVEWAY, "CARDS" SHALL BE USED TO THE EXTENTS OF DOUBLE YELLOW LINE.

NEW PAVEMENT AREA	DELINEATORS
POTENTIAL TOLLING AREA	POSITIVE BARRIER PROTECTION
PAVEMENT REMOVAL	

 	TITLE OF PROJECT CASHLESS TOLLING ON THE NY'S THRUWAY	CONTRACT NUMBER:
	LOCATION OF PROJECT EXITS 16 TO 61	DATE: 1/11/2019
	TITLE OF DRAWING INT 32 - WESTMORELAND, ROME	DRAWING NUMBER:

DESIGNED BY: TA  
 CHECKED BY: TA  
 DRAFTED BY: TA  
 PW/



**NOTES:**

1. TREADLE AND CONCRETE IN EXIT LANES ONLY.
2. POSITIVE SEPARATION BETWEEN OPPOSING DIRECTIONS OF TRAVEL REQUIRED AT ALL ORT SITES.
3. FOR ONE DIRECTION RAMP WITH ONE TRAVEL LANE, A MINIMUM 10 FOOT RIGHT SHOULDER IS REQUIRED.
4. FOR ONE DIRECTION RAMP WITH MORE THAN ONE TRAVEL LANE, A MINIMUM 6 FOOT RIGHT SHOULDER IS REQUIRED. REFER TO AASHTO 10.9.6.3.2 - SHOULDER WIDTHS AND LATERAL OFFSETS FOR REQUIREMENTS.
5. SHOULDERS ≤ 6 FEET WIDE ARE NOT INSTRUMENTED.
6. INSTALL TWO PAINT STRIPES CENTERED ON A CONTINUATION OF THE TREADLES ON OPPOSING LANES

ALTERED ON:	AFFIRMED ON:
SIGNATURE:	SIGNATURE:
DATE:	DATE:

**LEGEND:**

- IR INFRARED ILLUMINATOR
- WL WHITE LIGHT ILLUMINATOR

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED. THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

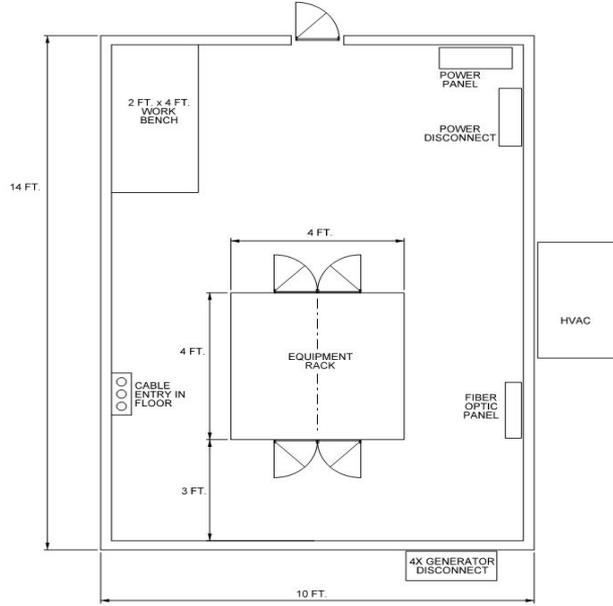
DATE	REVISIONS	DESCRIPTION	BY	SYM



TITLE OF PROJECT	TITLE OF PROJECT LINE 1	CONTRACT NUMBER
	TITLE OF PROJECT LINE 2	TA XX-XX
LOCATION OF PROJECT	LOCATION OF PROJECT LINE 1	DATE
	LOCATION OF PROJECT LINE 2	XX/XX/XX
TITLE OF DRAWING	ORT RAMP	DRAWING NUMBER
	GANTRY SCHEMATIC	1

PH/ /  
 CHECKED BY: TA  
 DRAFTED BY: TA  
 CHECKED BY: TA  
 DESIGNED BY: TA  
 DESIGN SUPERVISOR: TA

XXX  
XXX



- NOTES:**
- EQUIPMENT RACK SHALL BE CENTERED BETWEEN SIDE WALLS AND 3' FROM BACK WALL.
  - NO OTHER EQUIPMENT OR FURNISHING SHALL OBSTRUCT CABINET OR ITS DOORS IN ANY POSITION.
  - PANELS AND WORK BENCH MAY BE PLACED ANYWHERE THAT DOES NOT CONFLICT WITH THE EQUIPMENT RACK.
  - PANELS SHALL NOT BE MOUNTED OVER OR UNDER THE WORK BENCH

**ORT COMMUNICATION BUILDING**  
 PLAN  
 N.T.S.

ALTERED ON:	APPROVED ON:
SIGNATURE: STAMP:	SIGNATURE: STAMP:

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED. THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS				
DATE	DESCRIPTION	BY	SYM	

**Thruway Authority**

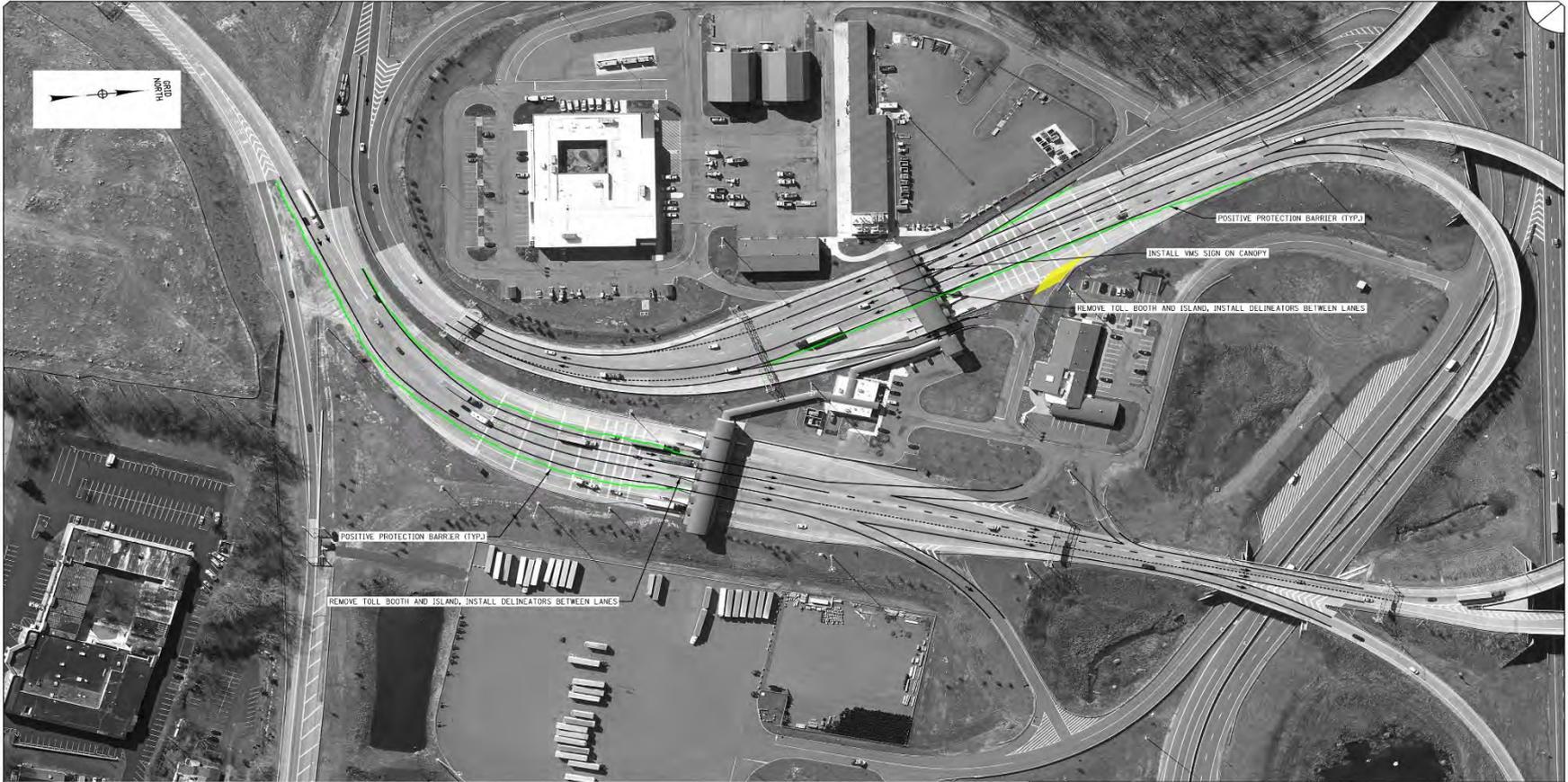
TITLE OF PROJECT	TITLE OF PROJECT LINE 1	CONTRACT NUMBER
LOCATION OF PROJECT	TITLE OF PROJECT LINE 2	TA XX-XX
TITLE OF DRAWING	LOCATION OF PROJECT LINE 1	DATE:
ORT COMMUNICATION BUILDING	LOCATION OF PROJECT LINE 2	XX/XX/XX
		DRAWING NUMBER:
		3

# Special Exits

## Section 24 of Part 3

- Conceptuals for Special Exits  
Part 7, Section 15
- Part 7 Sections that Apply  
Part 7, Sections 3,6,8,10,11,14,16,17,18,19
- Part 3 – Project Requirements  
All except 9,10,19,21,22,23,26
- Special Exit 17 (Newburgh)
- Special Exit 35 (Thompson Rd.)

DESIGN SUPERVISOR: S. DOHERTY  
 DESIGNER: S. PETRUCCIO  
 CHECKED BY: S. DOHERTY  
 DRAFTED BY: R. CHOW  
 CHECKED BY: B. GORTON  
 DATE: 1/11/2019

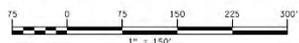


**LEGEND:**

REQUIRED PAVEMENT FEEDBACK

POSITIVE BARRIER PROTECTION

1" = 150'



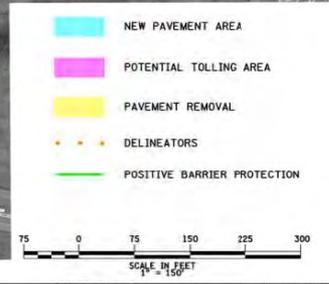

**NEW YORK**  
 STATE OF  
 NEW YORK  
**Thruway Authority**

**wsp**

PROJECT: CASHLESS TOLLING ON THE NYS THRUWAY CONTRACT: ICF 2018-001 DATE OF REVISION: 1/11/2019 TITLE: INT 17 - NEWBURGH PLAZA	DRAWING NUMBER: DATE: DRAWING CHECKED BY:
---	---

DESIGN SUPERVISOR: B. DOWERY  
 DESIGNED BY: B. LARIVIE  
 CHECKED BY: K. COZMA  
 DRAWN BY: M. HANCOCK  
 PROJECT NO: 16-011  
 DATE: 01/11/2019  
 REVIEWED BY: E. BAXTER  
 CHECKED BY: J. GLEN  
 CONTRACT NO: 16-011

GRID NORTH



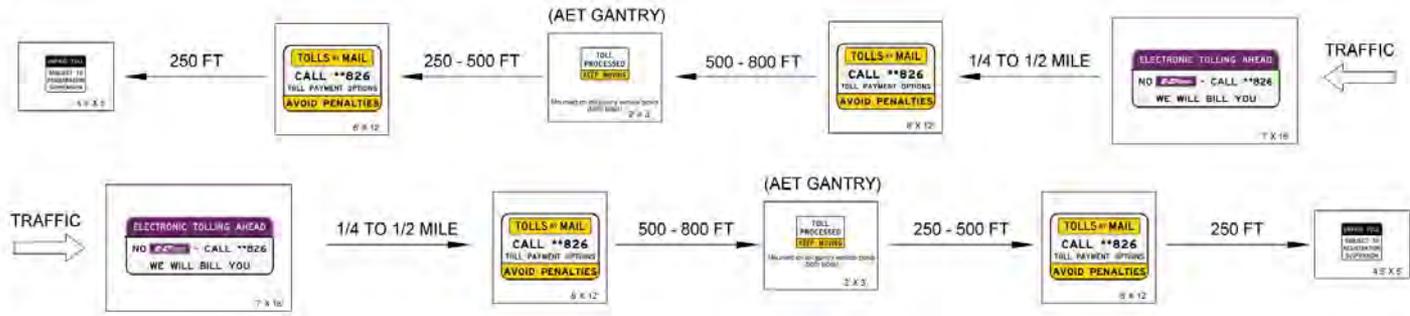
**NOTES:**

1. DELINEATORS AND POSITIVE PROTECTION BARRIER SHALL EXTEND BACK UP NYSTA RAMPS TO MEET EXISTING MEDIAN POSITIVE SEPARATION OR CONVERGENCE GORE POINT.
2. WHEN POSITIVE PROTECTION IS PREMATURELY TERMINATED FOR A TURN LANE OR DRIVENWAY, "CARDS" SHALL BE USED TO THE EXTENTS OF DOUBLE YELLOW LINE.

	TITLE OF PROJECT: CASHLESS TOLLING ON THE NYSTH THRUWAY	CONTRACT NUMBER:
	LOCATION OF PROJECT: EXITS 16 TO 61	DATE: 1/11/2019
	TITLE OF DRAWING: INT 35 - SYRACUSE, EAST SYRACUSE	DRAWING NUMBER:

# Sign Packages

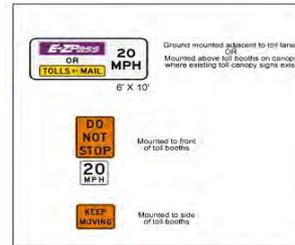
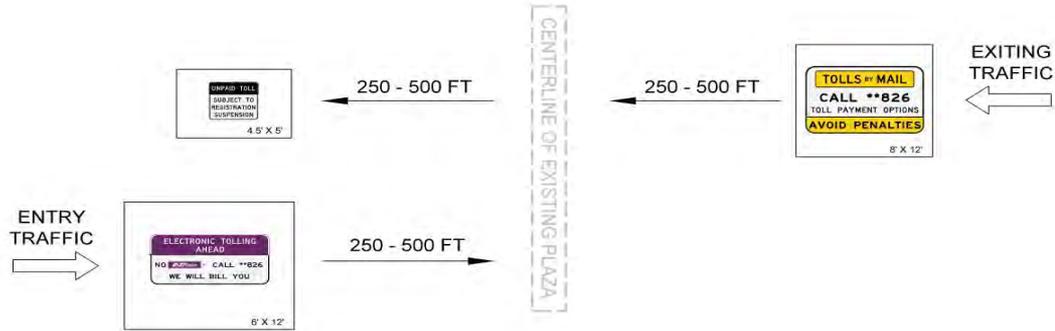
MAINLINE GANTRIES / TERMINUS LOCATIONS



(TEMPORARY SIGNING REQUIRED ON TOLL BOOTHS AT TERMINUS LOCATIONS IN BOTH DIRECTIONS PRIOR TO DEMOLITION)

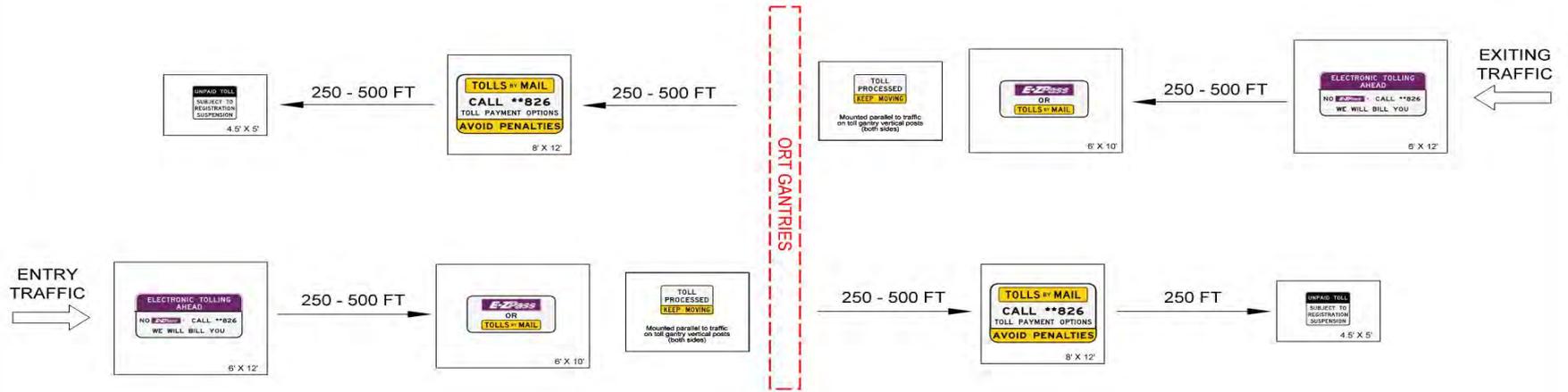
REV. 01/28/19

# INTERCHANGES



(TEMPORARY SIGNING REQUIRED ON TOLL BOOTHS IN BOTH DIRECTIONS PRIOR TO DEMOLITION)

### OPEN ROAD TOLLING (ORT) / EXIT SITES



(TEMPORARY SIGNING REQUIRED ON TOLL BOOTHS IN BOTH DIRECTIONS PRIOR TO DEMOLITION)





Exit 35 - Syracuse

TOLLS + MAIL  
CALL \*\*826  
TOLL PAYMENT UPON  
AVOID PENALTIES

NOVA BILL  
APPROX 140  
PUBLICATION  
NOVEMBER

ELECTRONIC TOLLING  
AHEAD  
NO TOLL CALL \*\*826  
WE WILL BILL YOU

Temporary signing  
required on all  
open toll booths in  
both directions  
prior to demolition

**DO NOT STOP**  
Mounted to front  
of toll booth

**20 MPH**  
Mounted to front  
of toll booth

**KEEP MOVING**  
Mounted to side  
of toll booth

Proposed AET  
Signing Plan

**SIGN DETAIL**  
1:40



 <b>NEW YORK</b> STATE OF OPPORTUNITY.	<b>Thruway Authority</b>
LOCATION NUMBER(S): AET	
MUTCD NUMBER: Advance Sign	
WIDTH X HEIGHT: 12'-0" x 6'-0"	
SIGN AREA: 72.0 Sq.Ft.	
MOUNTING: Ground	
BACKGROUND COLOR: White	
LEGEND/BORDER COLOR: White/Black	

SYMBOL	ROT	X	Y	WID	HT

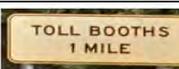
Panel Style: guide\_exp\_toll\_white.ssi  
 Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)														LENGTH	SERIES/SIZE					
E	L	E	C	T	R	O	N	I	C	T	O	L	L	I	N	G			D 2000	
16.6	22.9	29.1	35.2	41.7	47.9	54.5	62	69.3	72.4	77.8	85.8	91.8	99.2	105.4	111.6	114.8	122	110.8	8	
A	H	E	A	D															D 2000	
54.8	62.8	70.2	75.8	83.8														34.4	8	
N	O	-																	E 2000	
5.9	12.9	63.8																60.2	6.7	
C	A	L	L	*	*	8	2	6											E 2000	
75.6	82	90	96.1	101.1	107.8	112.6	117.3	123.7	130.2									60	6.7	
W	E		W	I	L	L	B	I	L	L			Y	O	U				E 2000	
22.9	31.1	36.1	42.7	50.9	53.9	60	65	71.7	78.4	81.3	87.5	92.5	99.1	106.9	114			96.5	6.7	

FILE NAME : DOWNS\TIMEBIZ\456  
 DATE/TIME : USER



SIGNS TO BE REMOVED IN AET PROJECT

EXISTING SIGN	LEGEND	APPROX. QTY	REMOVAL SCHEDULE	RESPONSIBILITY
	EZPASS LANES FOR TAGHOLDERS ONLY	34	1 MONTH PRIOR TO AET LIVE	DESIGN-BUILDER
	EZPASS CAN BE USED IN ANY TOLL LANE	42	3 MONTHS PRIOR TO AET LIVE	DESIGN-BUILDER
	EZPASS CAN BE USED IN ANY OPEN LANE (overhead)	1	1 MONTH PRIOR TO AET LIVE	DESIGN-BUILDER
	WIDE LOADS KEEP RIGHT/LEFT	10	AFTER TOLL BOOTHS REMOVED	DESIGN-BUILDER
	TOLL BOOTHS 2 MILES (overhead)	1	AFTER TOLL BOOTHS REMOVED	DESIGN-BUILDER
	TOLL BOOTHS 1 MILE	8	AFTER TOLL BOOTHS REMOVED	DESIGN-BUILDER
	TOLL BOOTHS 3/4 MILE	4	AFTER TOLL BOOTHS REMOVED	DESIGN-BUILDER
	TOLL BOOTHS 3/4 MILE (overhead)	2	AFTER TOLL BOOTHS REMOVED	DESIGN-BUILDER

EXISTING SIGN	LEGEND	APPROX. QTY	REMOVAL SCHEDULE	RESPONSIBILITY
	TOLL BOOTHS 1/2 MILE	6	AFTER TOLL BOOTHS REMOVED	DESIGN-BUILDER
	TOLL BOOTHS 1/4 MILE	1	AFTER TOLL BOOTHS REMOVED	DESIGN-BUILDER
	TOLL BOOTHS AHEAD (overhead)	1	AFTER TOLL BOOTHS REMOVED	DESIGN-BUILDER
	PAY TOLL AHEAD	3	AFTER TOLL BOOTHS REMOVED	DESIGN-BUILDER
	EZPASS e-zpassny.com	28	1 MONTHS PRIOR TO AET LIVE	DESIGN-BUILDER
	EZPASS CALL 800 333 TOLL	32	1 MONTHS PRIOR TO AET LIVE	DESIGN-BUILDER
	EZPASS ONLY LANES X X X X	2	AFTER TOLL BOOTHS REMOVED	DESIGN-BUILDER
	OVERLENGTH TRUCKS	4	AFTER POSITIVE SEPARATION INSTALLED	DESIGN-BUILDER

# Questions And Answers