



**Thruway
Authority**

Cashless Tolling Informational Meeting

August 7, 2018

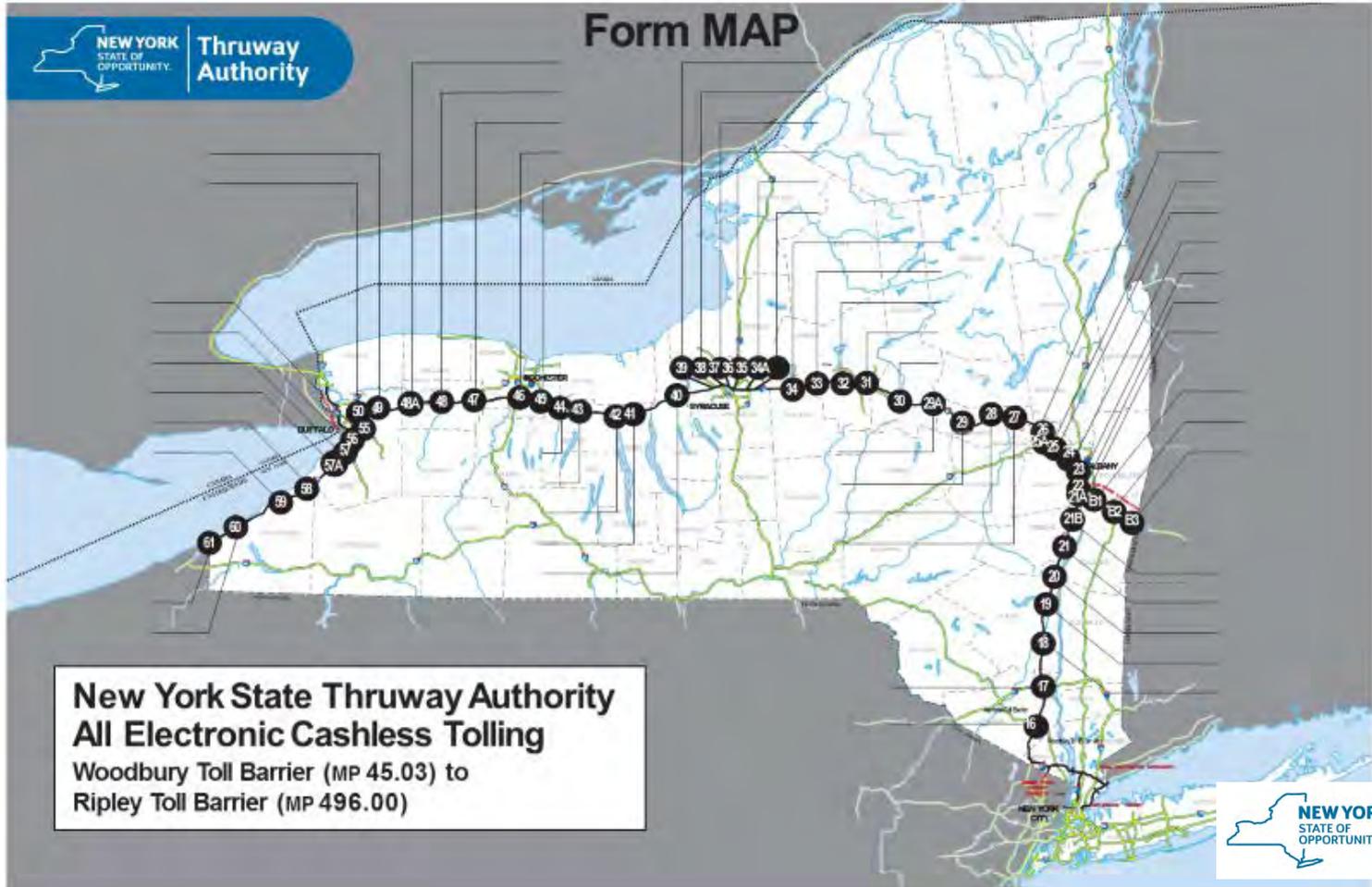
Agenda

- Brief Description of Project
- RFQ
- Gantry Locations
 - Exits - 23, 24, 25, 25A, 34A, 36, 39, 45, 46, and 47
 - Terminus locations –Woodbury, Canaan, Williamsville, Lackawanna, and Ripley
 - Example:
Tandem Lots at Interchanges
 - Example:
- Toll in place locations (36 Exits)
 - Work by others
 - Design-Builders responsibility
 - Example
 - Tandem Lots
- Misc. Work
 - Exit 35
 - Exit 16 - Harriman
- Third party Involvement
 - Kapsch
 - Adesta
 - Utilities
 - Work Scope
 - Incentives/Disincentives
- Firms Conflicted Out
- Questions

RFQ

- RFQ scheduled to be released in 2 weeks from today. SOQs shall be required to be returned approximately 4 weeks after.
- Depending on # of respondents, that will determine amount of evaluation time.
- Thruway anticipates one month for announcement of Short-List
- Typical type of RFQ
 - Past performance
 - MWBE/DBE goal orientated history
 - Work experience
 - On budget – on time delivery history
 - Claim history - explanation
 - Key personnel
 - Design-Build organization
 - Logistical and geographical presentation of how this work is going to get done*
 - Map form*
 - AF Form – Affirmation of subcontractors willing to work as a sub if your team is declared Best-Value*

MAP



10 Interchanges – 5 Terminus Locations

- Gantries shall replace Toll Booths in processing and collecting tolls.
- The Gantries will be required to be on the Mainline of the Thruway (Not in the interchange area).
- Interchanges include Exits 23, 24, 25, 25A, 34A, 36, 39, 45, 46, 47
Terminus locations include Woodbury, Canaan, Williamsville, Lackawanna and Ripley.
- 9 of the 10 Interchanges house Tandem Lots. The Thruway has to capture the point of origin to the ticketed system and the point of departure.
- Work Outline

- Work to be done: (After AET is active)
 - Toll plaza removal
 - Signing
 - Striping
 - Positive separation of opposing traffic
 - Tandem access modification
 - Shrinkage of the Toll area footprint
 - Barrier/Guiderail outside perimeter
 - Superelevation adjustments (if necessary)
 - Other misc. items



Existing View - Williamsville Toll Plaza



Williamsville Toll Plaza



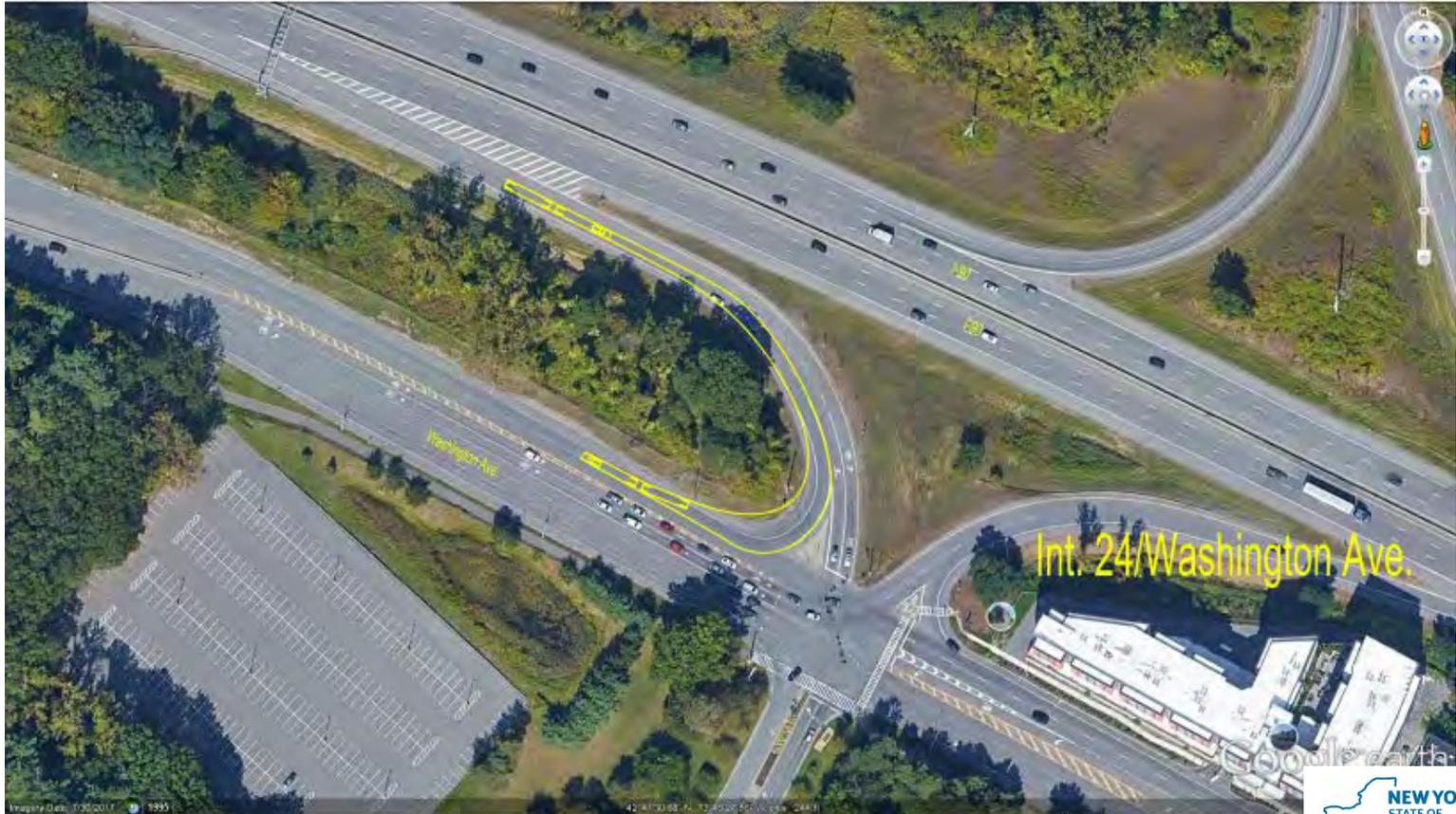


Tandem Lots

- 9 out of 10 Interchanges have Tandem Lots.
- Safety
- Tandems will not be entering the Thruway like they once did.
- Thruway will be submitting a request for legislation to deal with Tandem access routing to allow entry back onto Thruway system.
 - May require modifications to intersections and ramps.
 - This shall be the Design-Builders responsibility.
- Design-Builder shall be responsible for ensuring safe passage of tandem trucks along proposed legislated routes.



Int. 24 Proposed Tandem Route



Imagery Date: 7/30/2011

42°41'39.05"N, 73°42'20.00"W (44.691389, -73.705556)

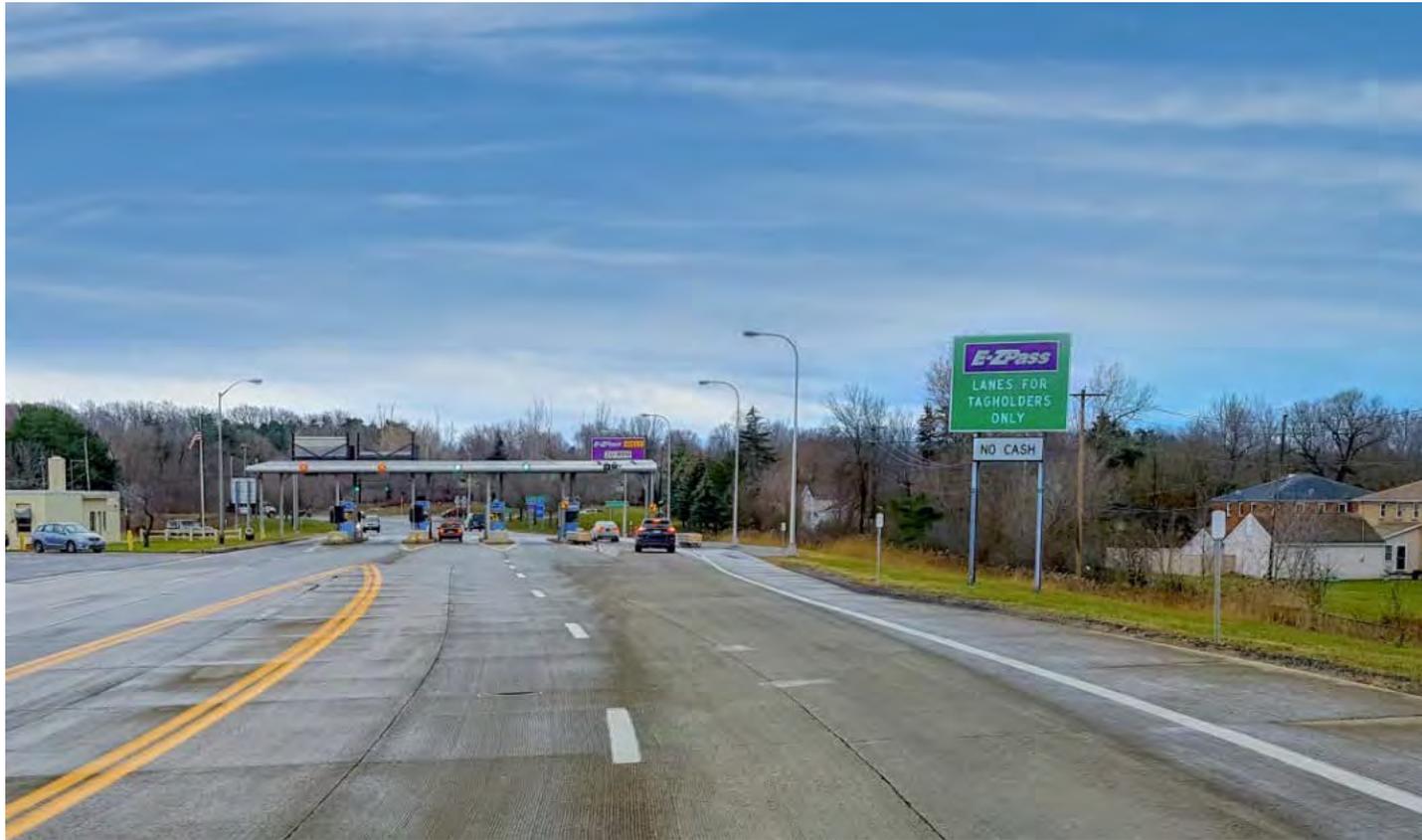


Thruway Authority

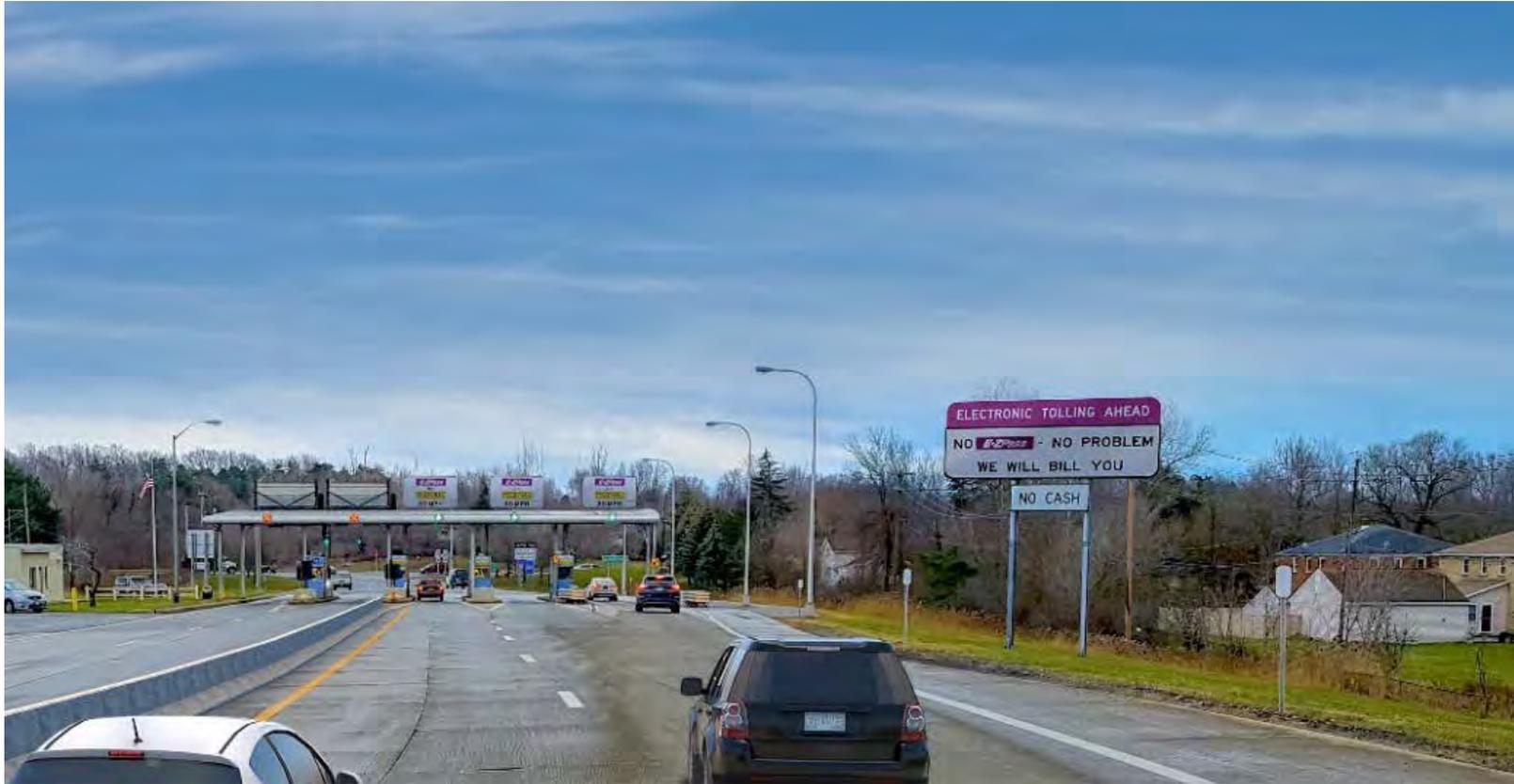


Toll in Place (36 Exits)

- Exits – B1, B2, 17, 18, 19, 20E, 20W, 21, 21B, 22, 26, 27, 28, 29, 29A, 30, 31, 32, 33, 34, 37, 38, 40, 41, 42, 43, 44, 48, 48A, 49, 56, 57, 57A, 58, 59, and 60.
- All the Equipment/Electronics will be put in place by others (by the end of 2019) through Thruway let contracts.
- Design-Builder will be told in the RFP how many lanes in each direction must be made available.
- In some locations there will be criteria for a reversible toll booth lane.
- The Design-Builder shall be responsible for all necessary Civil work.
 - Signing
 - Striping
 - Positive separation of opposing traffic.
 - Tandem access modification (entry and exit points)
 - Barrier/Guiderail outside perimeter.
 - Possible reduction of footprint of Toll Booth area
 - Other misc. items
 - Concrete pavement repair
 - Asphalt overlays
 - Treadle repairs or replacement



Existing View – Exit 56 Toll Plaza



Proposed View – Exit 56 “In Place” Toll Plaza

Other Exit Work – Exits 16 and 35

- Exit 16
 - Gantry already installed
 - Kapsch to install equipment
 - Two lane toll plaza and temporary building to be removed
- Exit 35
 - Gantry is included in the Exit 34A and 36 installations
 - Toll Booth Removal
 - Reduction of Footprint of Toll Booth Area
 - Striping
 - Potential modification to current signage
 - Tandem Lot access

Exit 35 Interchange



KAPSCH (Third Party Involvement)

- Work to be performed by Kapsch equipment include: installing electronic sensors on gantry and in-pavement. Wiring through previously installed conduit communication building to overhead and roadway sensors and up over gantry
- Design-Builder responsible for communication building with foundation, all power, generator, communications and HVAC
- Kapsch will have approximately 6 teams to perform work and will be available to begin installation 4 months after Notice to Proceed. Kapsch will need 30 days for installation and testing. In addition they will need approximately 4 weeks to mobilize per site for shipment of equipment, supplies and staging.

Adesta (Third Party Involvement)

- Notification of 2 weeks to splice into the Thruway backbone fiber optic.
- Adesta shall require 3 days to do the tie in fiber work.
- Adesta shall have **x** number of work teams available to respond to **x** locations simultaneously to process the fiber optic tie ins.
- Adesta shall require 1 week break after completing one location before proceeding to the next location

Utilities

Go Live High Steps



Prior to Cashless Going Live

Cashless
Tolling in
PlaceGantry
LocationsOther Exit
Work

Work Scope

After Cashless Tolling Goes Live

Cashless
Tolling in
PlaceGantry
LocationsOther Exit
Work

Background on the basis of what can and can not happen:

- Safety
- Revenue Security
- Congestion (Don't want to add)

Brief Discussion on Incentives/Disincentives

- There will be milestone dates
- The Thruway would like results better than what will be stated
 - Cashless going live
 - Toll Plaza removals
 - Overall completion

Firms Conflicted Out (As of 08/07/2018)

- C.V. Associates
- SJH Engineering, PC
- Popli Architecture and Engineering, L.S., DPC
- Shumaker Consulting, Engineering and Land Surveying, PC
- WSP
- Kapsch
- Adesta

Questions?