

FYI in 45 Thinking about Tolling: Keys to Success

Panelists:

Terri Slack

Justine Sydello

Moderated by:

Andrew Beaton

June 6, 2019

**CDM
Smith**



Today's Discussion

- ▶ Why tolling is a worthy tool for your funding toolbox
- ▶ Federal laws about tolling restrictions and exceptions
- ▶ Considerations and practical steps your agency should take when evaluating tolling
- ▶ How some state DOTs have taken on tolling for the first time

Before We Begin...



**Technical
Difficulties***



**Webinar is
being recorded**



**Questions are
encouraged**



**PDH
certificate**

* Contact our webinar producer: Danielle Jackson

Our Panel



Terri Slack
*Toll Program
National Practice Leader*

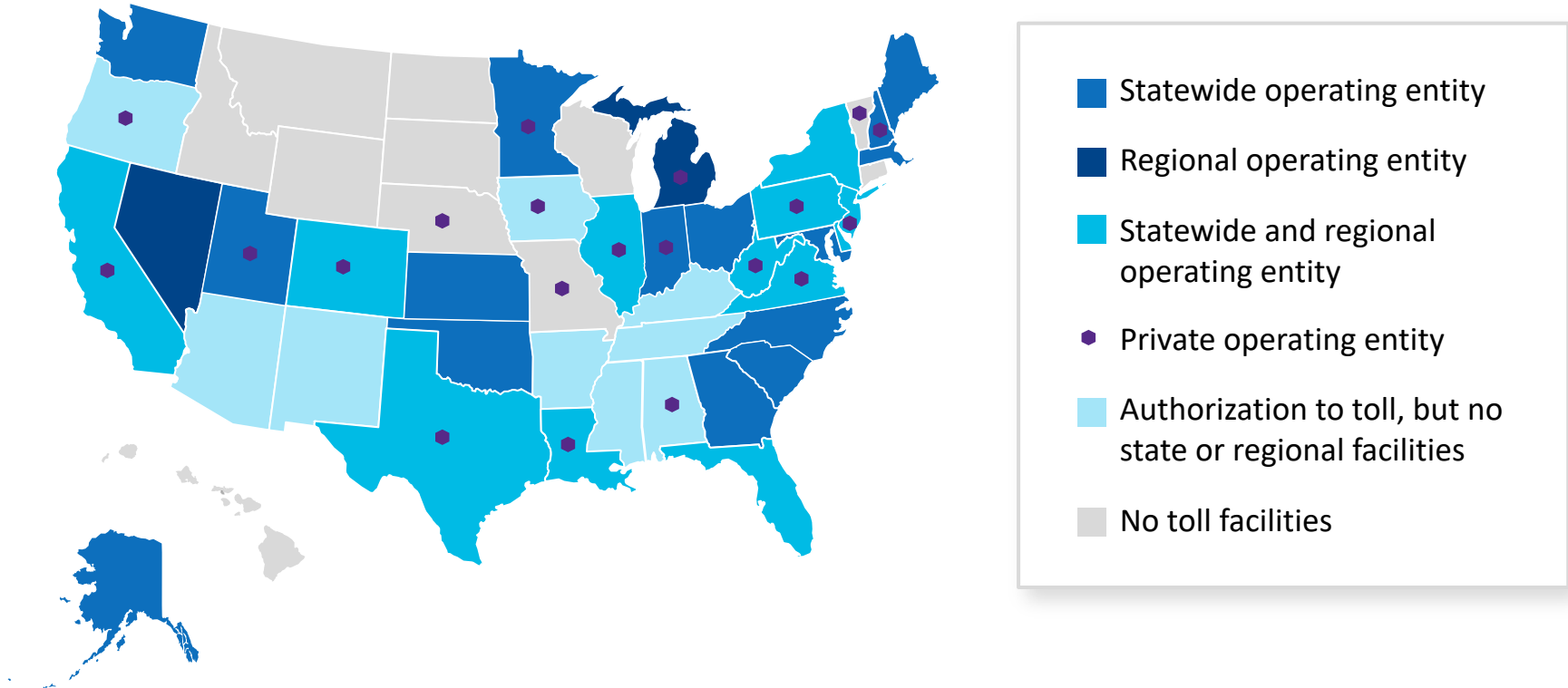


Justine Sydello
*Transportation Policy
National Practice Leader*



Opening the Case for Tolling

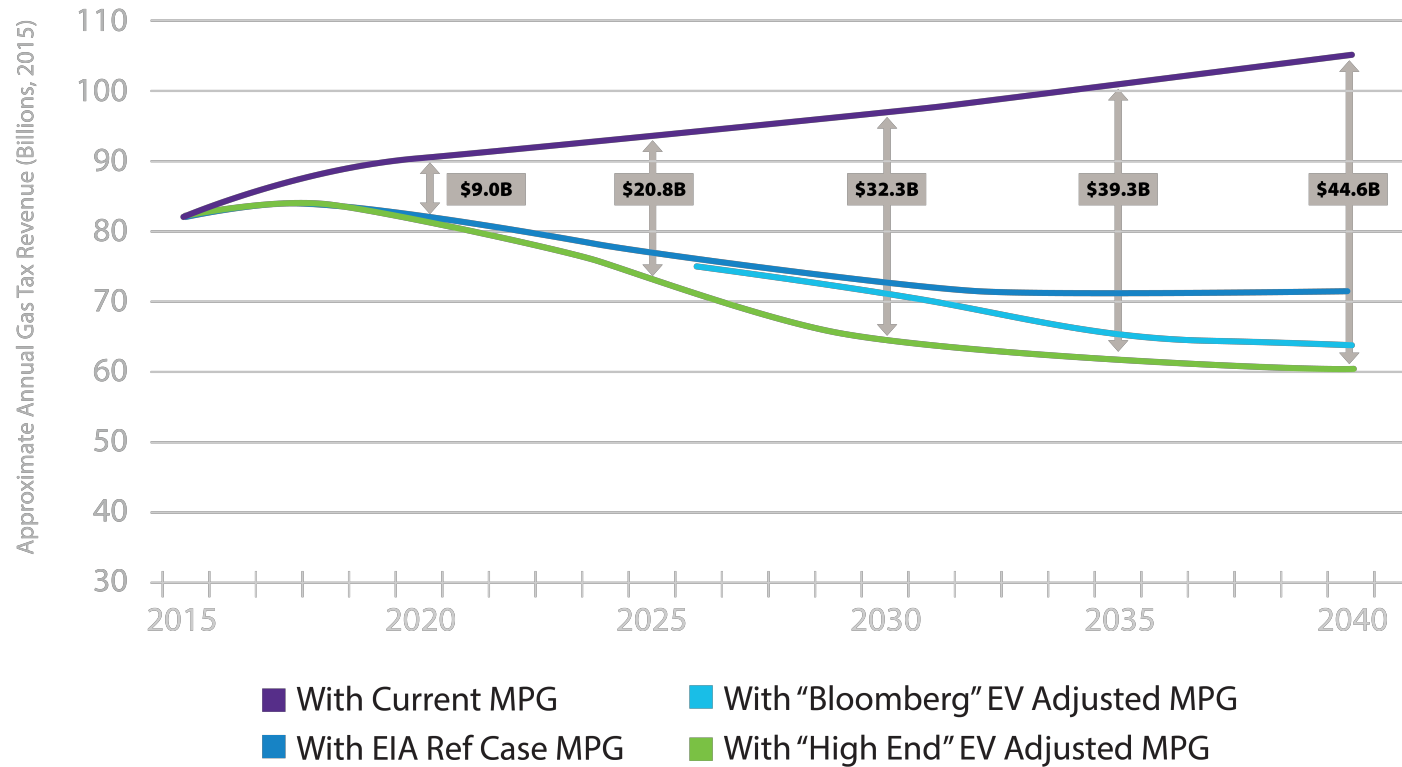
Interstate Highway System



Estimate of Revenue for Entire Interstate

Rate per Mile	Avg Annual \$[Billions] (2020-2040)	
	Toll Revenue	Net Revenue
\$0.04	\$68.40	\$54.60
\$0.06	\$93.80	\$80.90
\$0.08	\$119.50	\$106.90

Gas Tax



Future Interstate Highway System

[Future Interstate Home](#)
[Committee](#)
[Reports](#)
[Resources](#)
[Legislation](#)
[Staff](#)

FUTURE INTERSTATE STUDY LEGISLATION

Section 6021 of the Fixing America's Surface Transportation (FAST) Act of 2015

SEC. 6021. FUTURE INTERSTATE STUDY.

(a) FUTURE INTERSTATE SYSTEM STUDY.—Not later than 180 days after the date of enactment of this Act, the Secretary shall enter into an agreement with the Transportation Research Board of the National Academies to conduct a study on the actions needed to upgrade and restore the Dwight D. Eisenhower National System of Interstate and Defense Highways to its role as a premier system that meets the growing and shifting demands of the 21st century.


(b) METHODOLOGIES.—In conducting the study, the Transportation Research Board shall build on the methodologies examined and recommended in the report prepared for the American Association of State Highway and Transportation Officials titled "National Cooperative Highway Research Program Project 20–24(79): Specifications for a National Study of the Future 3R, 4R, and Capacity Needs of the Interstate System", dated December 2013.

(c) CONTENTS OF STUDY.—The study— (1) shall include specific recommendations regarding the features, standards, capacity needs, application of technologies, and intergovernmental roles to upgrade the Interstate System, including any revisions to law (including regulations) that the Transportation Research Board determines appropriate; and (2) is encouraged to build on the institutional knowledge in the highway industry in applying the techniques involved in implementing the study.

(d) CONSIDERATIONS.—In carrying out the study, the Transportation Research Board shall determine the need for reconstruction and improvement of the Interstate System by considering— (1) future demands on transportation infrastructure determined for national planning purposes, including commercial and private traffic flows to serve future economic activity and growth; (2) the expected condition of the current Interstate System over the period of 50 years beginning on the date of enactment of this Act, including long term deterioration and reconstruction needs; (3) features that would take advantage of technological capabilities to address modern standards of construction, maintenance, and operations, for purposes of safety, and system management, taking into further consideration system performance and cost; (4) those National Highway System routes that should be added to the existing Interstate System to more efficiently serve national traffic flows; and (5) the resources necessary to maintain and improve the Interstate System, including the resources required to upgrade the National Highway System routes identified in paragraph (4) to Interstate standards.

(e) CONSULTATION.—In carrying out the study, the Transportation Research Board— (1) shall convene and consult with a panel of national experts, including operators and users of the Interstate System and private sector stakeholders; and (2) is encouraged to consult with—

(A) the Federal Highway Administration;



VEHICLE
CASH / RECEIPTS

ANY VEHICLE
CASH / RECEIPTS

ANY VE
CASH / RE

LANES
5 4
↙ ↘

LANES
3 2
↙ ↘



SPEED
LIMIT
10

NORTH TURNPIKE
DRIVE
SAFELY

NORTH TURNPIKE
DRIVE



OPEN ROAD TOLLING  DEVON AVE PLAZA 17

\$25 Fuel
WITH EVERY
\$100 GIFT CARD
MORETTI'S RESTAURANTS.COM

HAIR ORANGE

72
Lee St
1/2 mile



Exit 49
River Rd
S. Lawrence
3 mi

MARKET B

"MORE FOR YOUR DO"

Legislative Landscape

The background image is a blue-tinted photograph of a large stadium under construction at dusk. The stadium's steel framework is visible, with a large, arched roof structure. The sun is setting in the center, creating a bright lens flare that spreads across the lower half of the image. In the foreground, there are several cars on a road, including a dark car on the left and a white car on the right. The overall scene is a blend of urban infrastructure and natural light.

Federal Restrictions

[illegible]

General Tolling Program



HOV to HOT



Federal Government Pilot Programs



ISRRPP

**Interstate Reconstruction
and Rehabilitation
Pilot Program**



VPPP

Value Pricing Pilot Program

Federal Government Pilot Programs



ISRRPP

Interstate Reconstruction
and Rehabilitation
Pilot Program

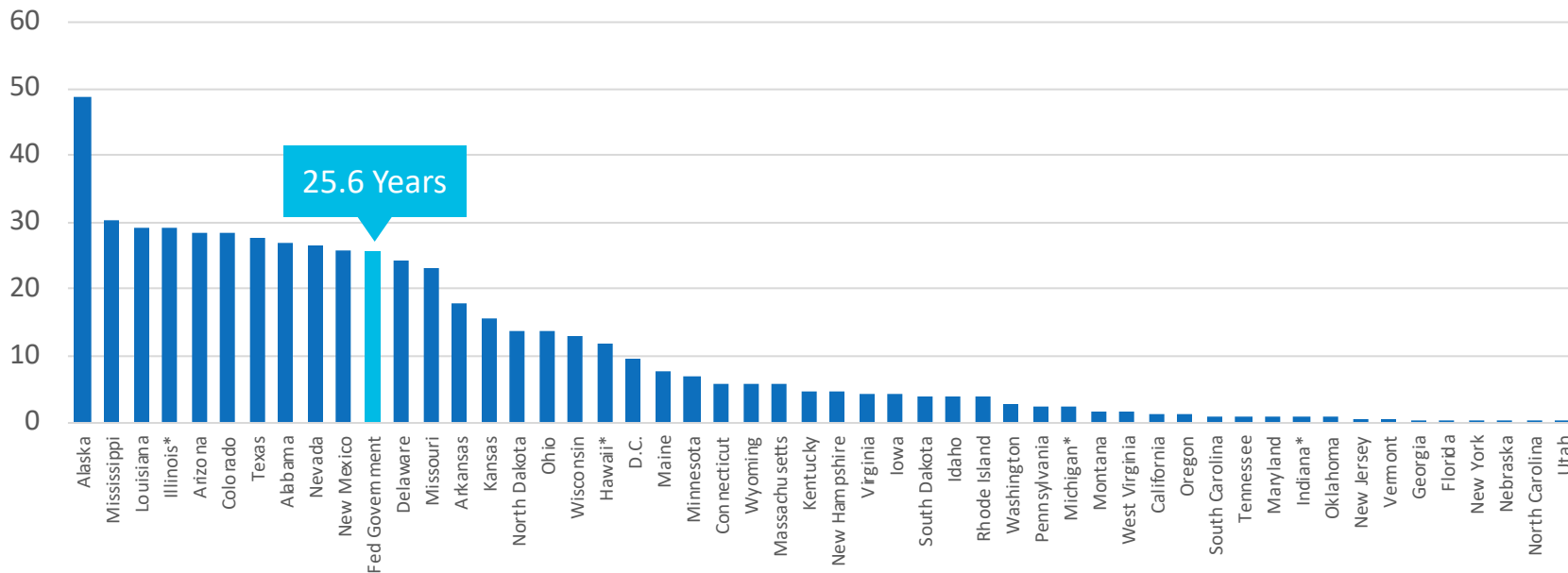


VPPP

Value Pricing Pilot Program

Years Since Last Gas Tax Increase

As of February 2019



*Apply their general sales taxes to gasoline and thus see ongoing changes in their overall gas tax rates based on changes in the price of gas. This chart excludes these price-based fluctuations in the sales tax and instead looks only at these states' excise taxes on gasoline.















































CASE STUDY

RIDOT Truck-only Tolling



Trucks to be Tolled

CLASS 1 Motorcycles 	CLASS 5 Two Axle, Six Tire, Single Unit 	CLASS 8 Four or Less Axle, Single Trailer 	CLASS 10 Six or More Axle, Single Trailer 
CLASS 2 Passenger Cars    	   	   	
CLASS 3 Four Tire Single Unit    	CLASS 6 Three Axle Single Unit    	 	CLASS 11 Five or Less Axle, Multi-trailer 
CLASS 4 Buses   	CLASS 7 Four or More Axle Single Unit   	CLASS 9 5-Axle Tractor Semitrailer   	CLASS 12 Six Axle, Multi-trailer  
			CLASS 13 Seven or More Axle, Multi-trailer   

-  **GREY SHADING**
Non Tolled Vehicles
-  **WHITE SHADING**
Tolled Vehicles





CASE STUDY

WSDOT State Route 520

520 TOLL BRIDGE

Good To Go! by E-ZPass PAY BY MAIL

2 AXLES \$3.10 \$4.70

ADDED TOLL PER AXLE

STOP
AHEAD
WHEN
FLASHING

Good To Go!
by E-ZPass

PHOTO
OLL
SYS
IN U





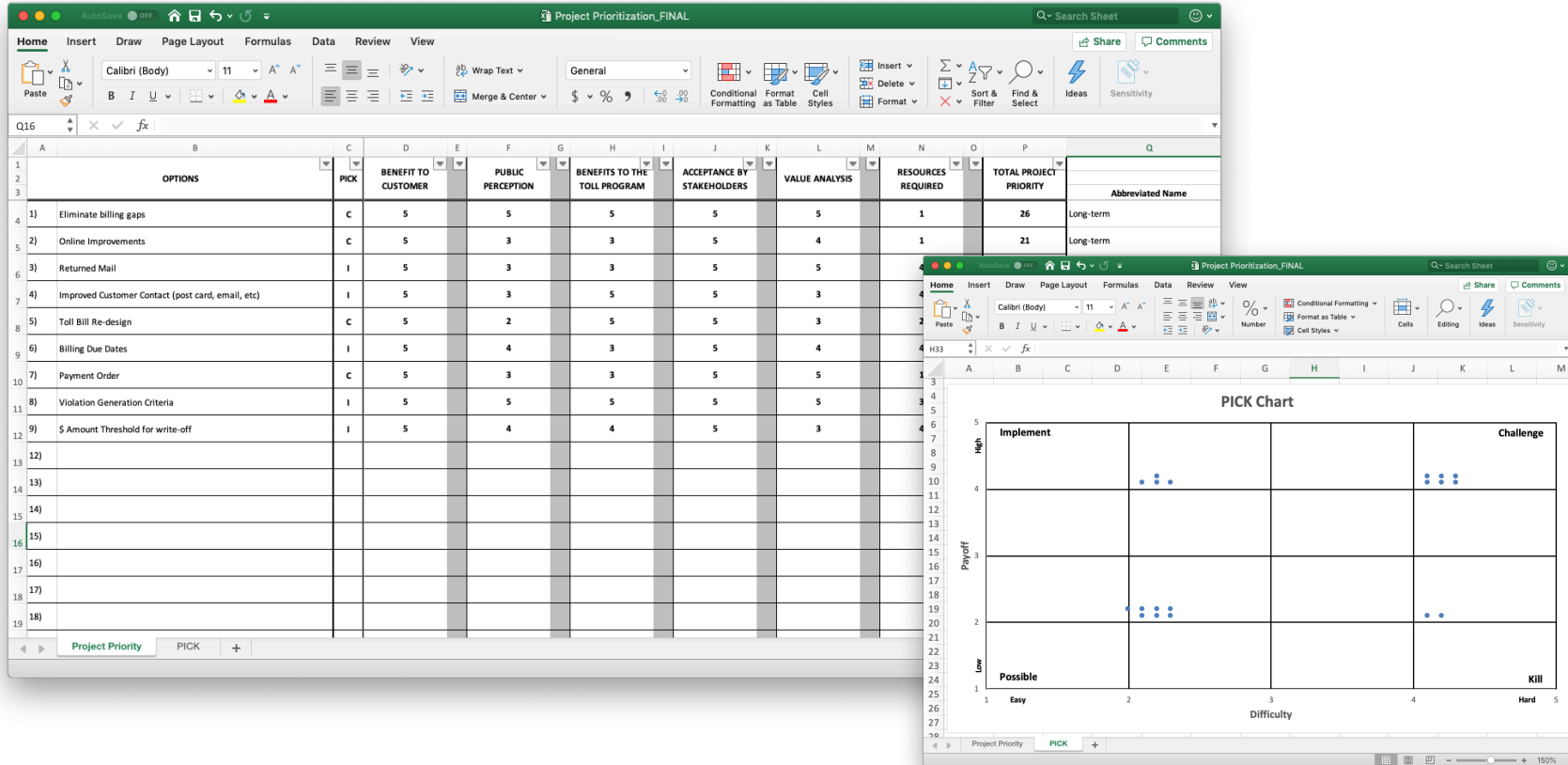


Considerations & Practical Steps Forward

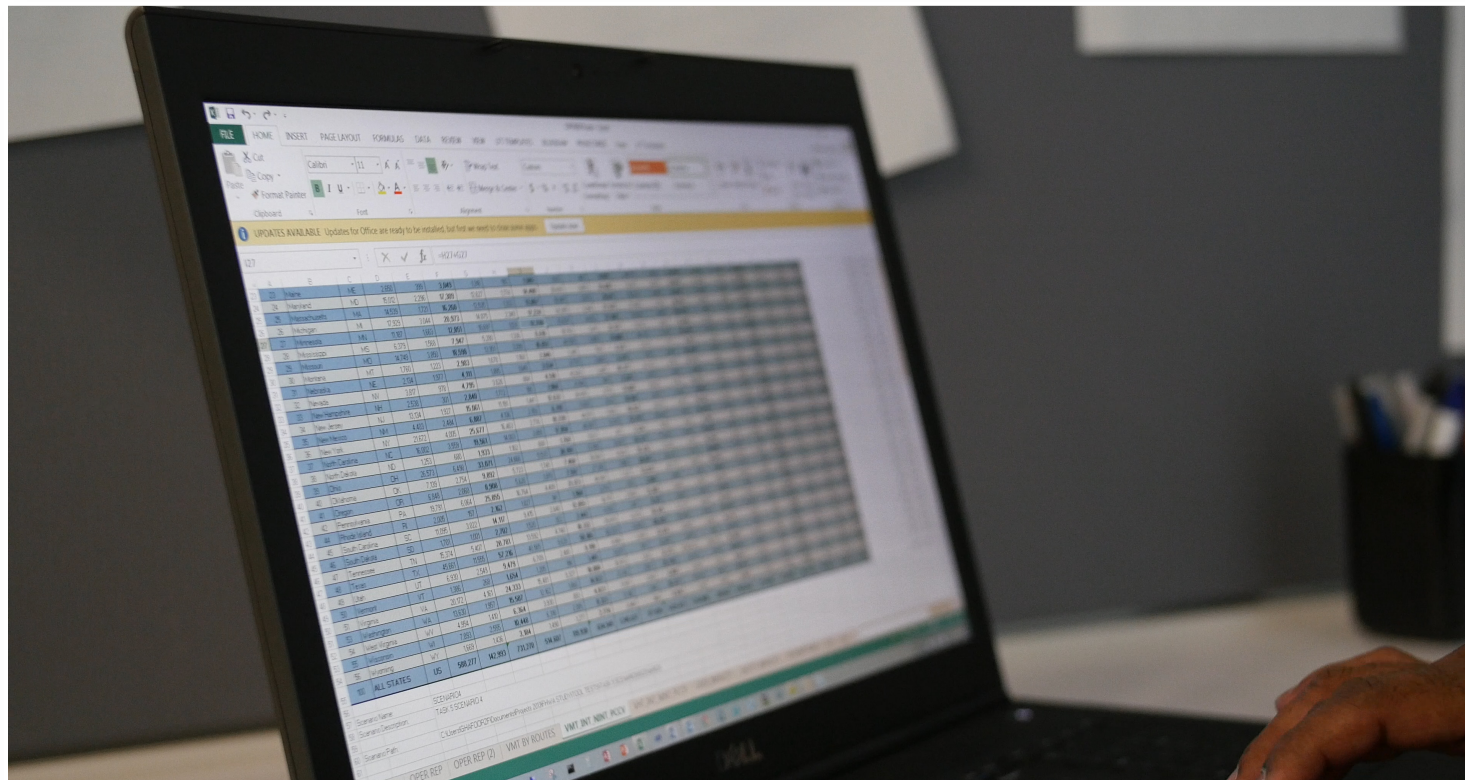
Timeline of Tolling

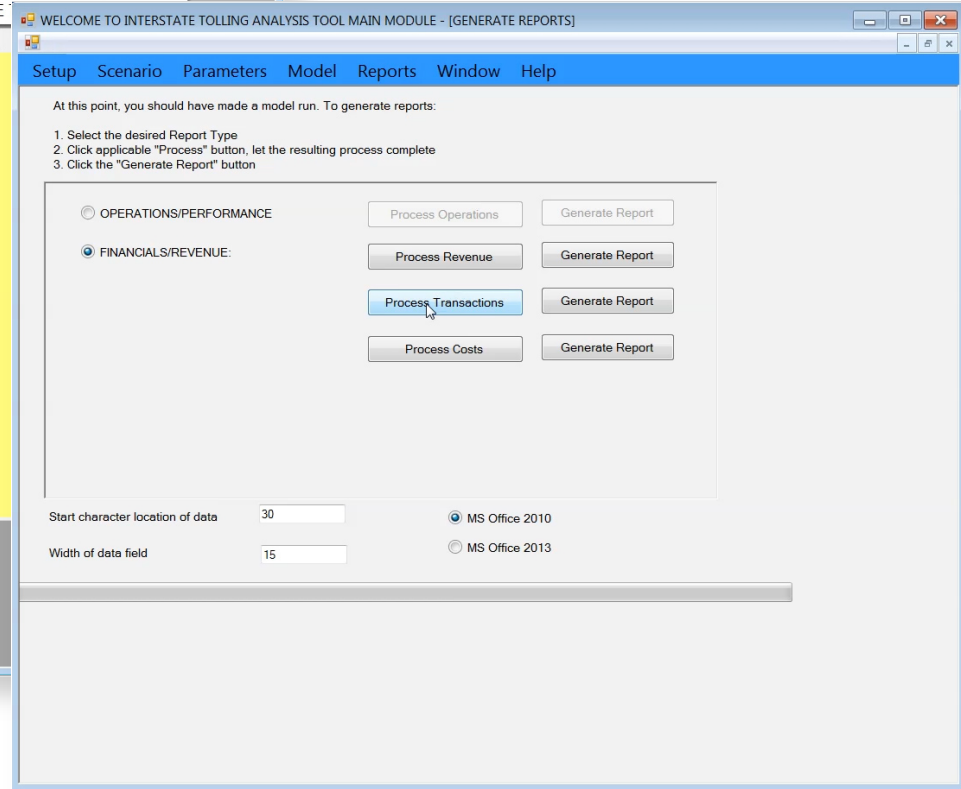
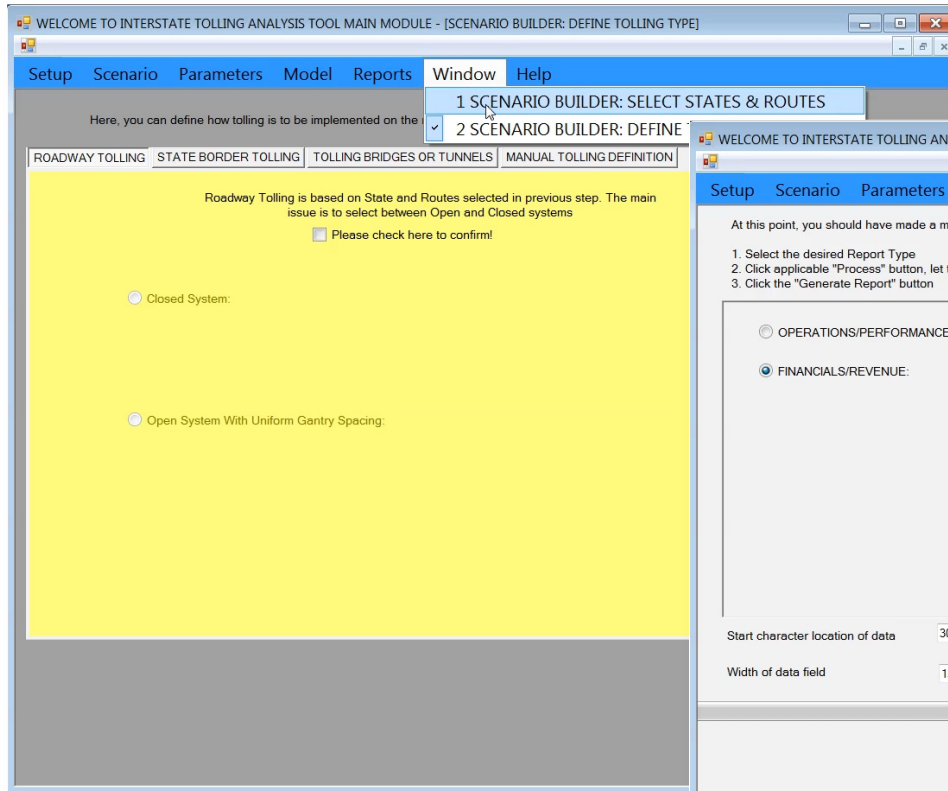


Prioritization Matrix



Tolling Analysis Planning Tool





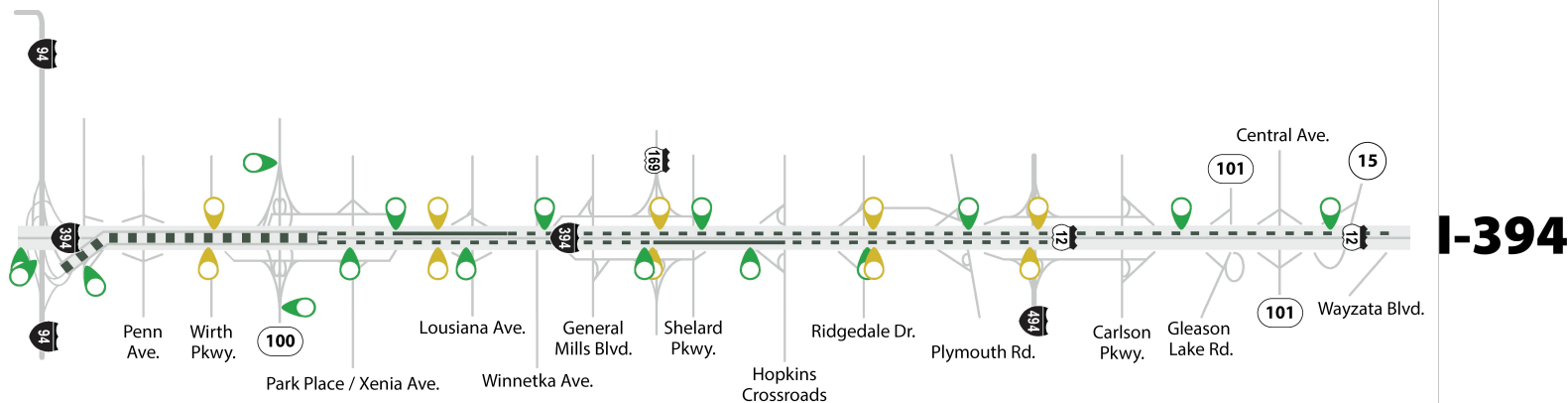
Building Political Favor

- ☒ Understand your political climate
- ☒ Outreach and education
- ☒ Legalize tolling on state level
- ☒ Define the needs
- ☒ Build relationships with other relevant agencies
- ☒ Tolling impacts for different driver types
- ☒ Look at an economic value
- ☒ Go grass roots









Effective Outreach



Legend

-  Toll rate sign
-  Tolling location
-  MnPASS open access
(single or double-dashed white lines)
-  MnPASS restricted access
(solid, double-white lines)



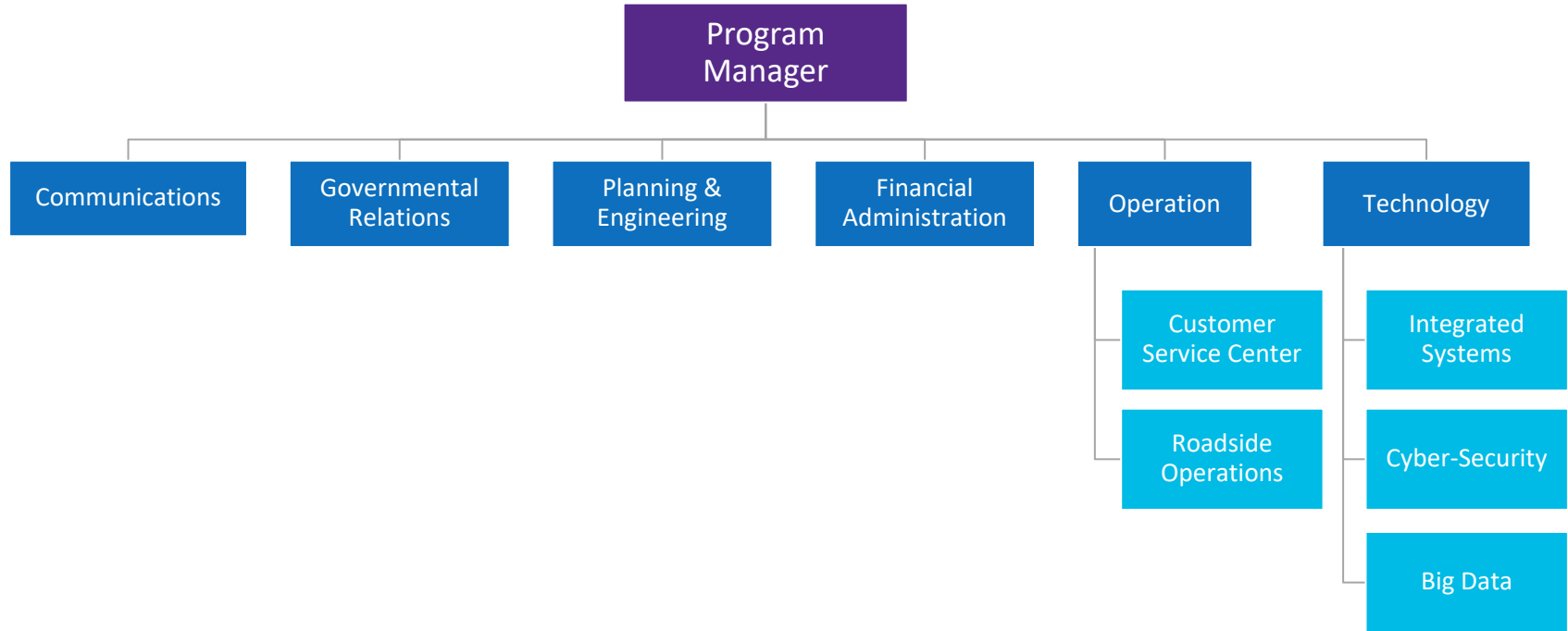
I-394 MnPASS Express Lanes

Illinois DOT

Priority	Better handle congestion
Problem	Can add more capacity, but better manage existing capacity
Solutions	Managed/Express Lanes
Political Challenges	<ul style="list-style-type: none">• P3/Risk Transfer• Political will

Proposed Disciplines for Toll Practice

Mirror Toll Agencies



What's Next for Tolling?

A photograph of a toll plaza at sunset. The scene is dominated by a large, arched steel truss bridge structure that serves as the toll collection point. The sun is low on the horizon, creating a bright, hazy glow and long, dark shadows. Several cars are visible on the road, some approaching the toll plaza and others having passed. The overall color palette is a mix of deep blues, purples, and oranges from the sunset. The text "What's Next for Tolling?" is overlaid in a large, white, sans-serif font across the middle of the image.





Questions & Answers

The background image is a blurred photograph of a highway interchange. A large, curved overpass structure is visible in the upper half of the frame. In the lower-left foreground, a dark-colored car is partially visible. A bright light source, likely the sun, is positioned in the center-right of the image, creating a strong lens flare that radiates across the lower half. The overall color palette is dominated by cool blues and purples, suggesting a twilight or dawn setting.

Contact Information

Panelists



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Moderator



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Moderator
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Thank You