

The logo features a white outline of the state of Ohio centered on a dark green background. The text is contained within this white outline.

OHIO TURNPIKE

2019

Construction Forecast

January 17, 2019



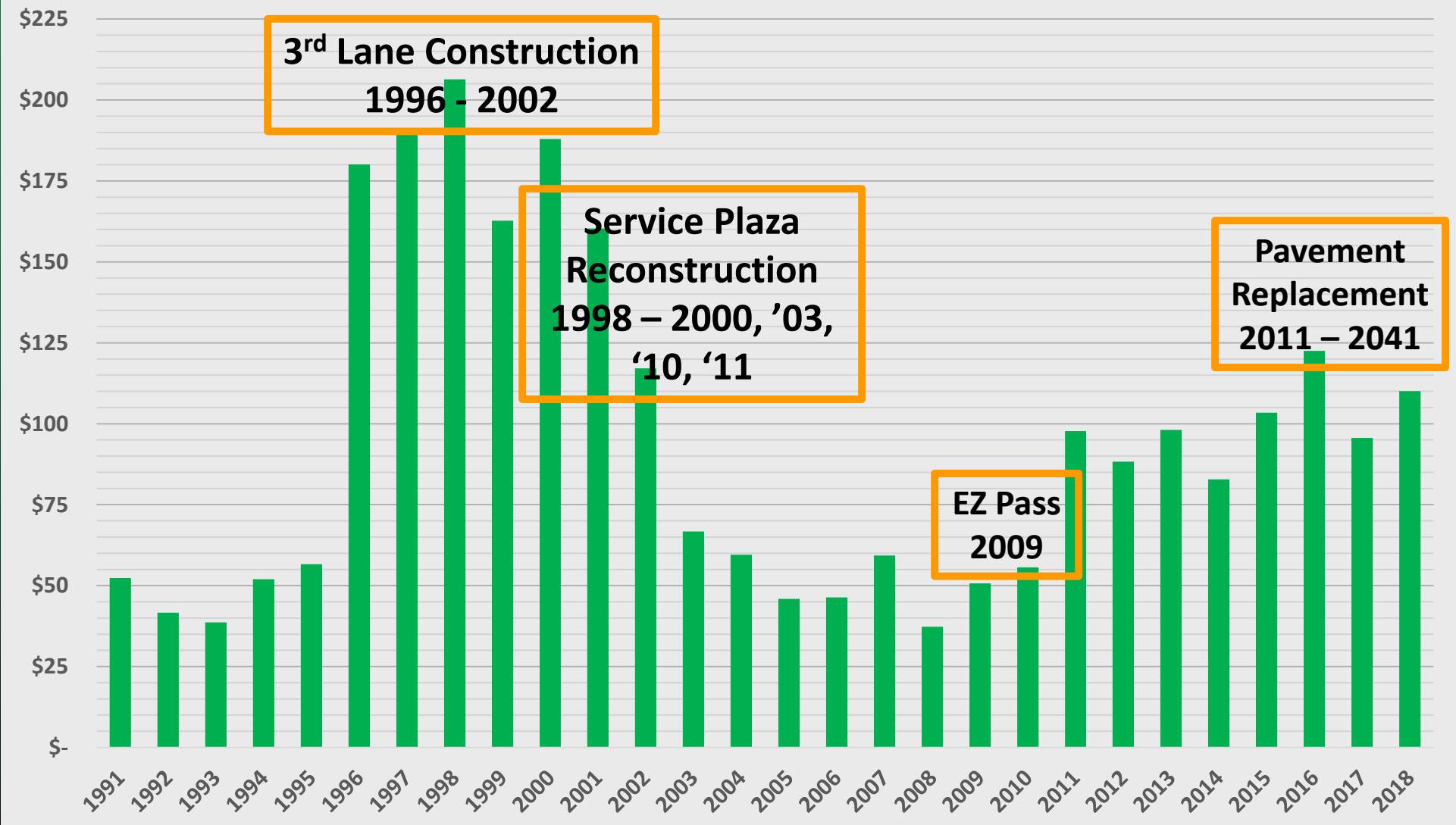
Agenda

- **Presenters:**
 - *Tony Yacobucci, P.E., Chief Engineer*
 - *Chris Matta, P.E., Deputy Chief Engineer*
- **Capital Program Overview**
- **Anticipated Bid Schedule**
- **Project Descriptions**
- **Q & A**



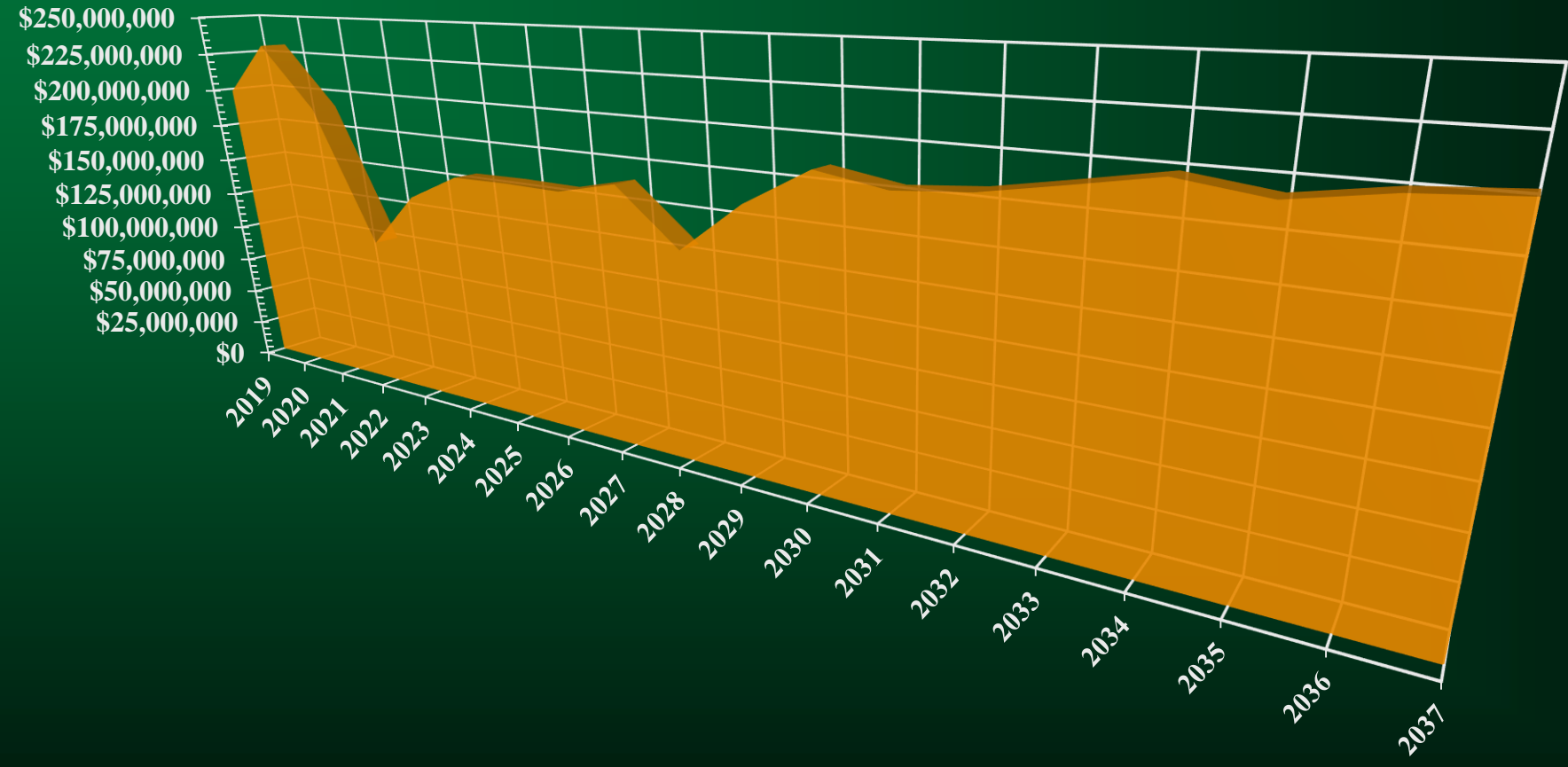
Historical Capital Program

Expenditures by Year (in millions)



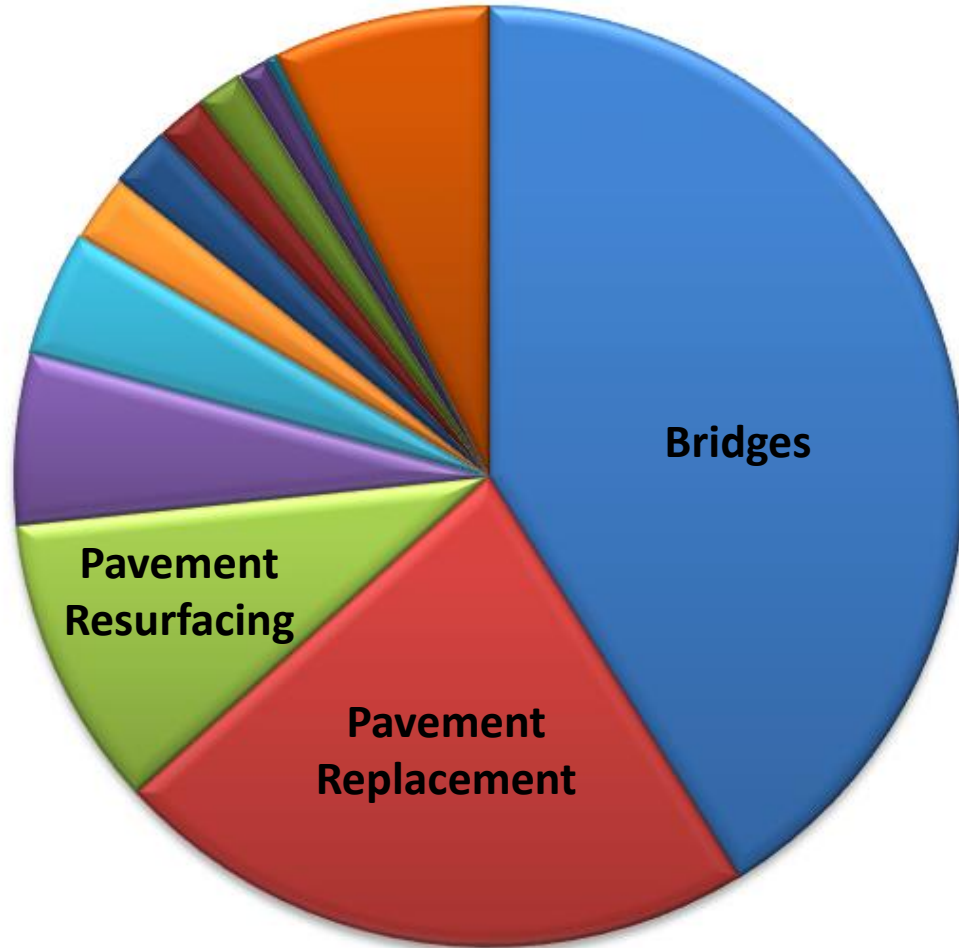


Future Capital Program (\$/Year)





2019 Capital Program



- Bridges 39.4%
- Pavement Replacement 21.2%
- Pavement Resurfacing 9.6%
- Toll Collection System/CSC Upgrades 5.6%
- Computer & Communications Equipment 4.1%
- Maintenance Vehicles and Equipment 2.2%
- Engineering Services 2.0%
- Slope and Drainage Repair 1.6%
- Toll Plazas 1.5%
- Service Plazas 1.0%
- Maintenance and Other Buildings 0.4%
- Uncommitted Funds 7.0%



2019 Capital Program Anticipated Bidding Schedule

<http://www.ohioturnpike.org>

- SERVICE PLAZAS
- E-ZPass
- FARE CALCULATOR
- TURNPIKE MAP
- INVESTOR RELATIONS



- INVESTOR RELATIONS
- DOING BUSINESS WITH US
- ADVERTISE WITH US
- 2015 DISPARITY
- OFFICE OF DIVERSITY AND INCLUSION
- SUPPLIERS GUIDE
- CONSTRUCTION PROJECTS
- BID INVITATIONS
- RFPS
- ENGINEERING SERVICES
- PROPERTY DISPOSALS
- ETHICS POLICY
- FINANCIAL STATEMENT
- UTILITY PERMITS

- ALERTS**
- Traffic Alerts
 - Construction Zones
 - Restrictions
 - Weather Forec...

Welcome to the Ohio Turnpike, a 241-mile toll road offering one of the safest, best and most convenient routes for motorists to reach east/west destinations along the northern corridor of Ohio.

We provide excellent customer service and amenities to meet travelers' wants and needs, including state-of-the-art service plazas, a variety of restaurant choices, and routine maintenance for a smooth, pleasant trip.

...y to travel. We hope




<http://www.ohioturnpike.org>

- Vendor Login
- Construction Projects
- Bid Invitations
- RFPS
- Engineering Services
- Property Disposals
- Ethics Policy
- Financial Statement
- Utility Permits



CONSTRUCTION PROJECTS

ALERTS

-  Traffic Alerts
-  Construction Zones
-  Restrictions
-  Weather Forecast



2019 CAPITAL PROGRAM ANTICIPATED BIDDING SCHEDULE

[CLICK HERE](#)

2018 CAPITAL PROGRAM FORECAST PRESENTATION

[CLICK HERE](#)

CONSTRUCTION PROJECT TYPE

[Bridge Projects](#)

[Mainline Pavement Replacement Projects](#)

[Miscellaneous Construction Projects](#)

[Repaving Projects](#)

[Service Plaza Renovation Projects](#)

[Third Lane Construction Projects](#)

Turnpike Emergencies
Cell Phone Users Dial #677

**Ohio Turnpike and
Infrastructure Commission**
682 Prospect Street
Berea, Ohio 44017-2799



Ohio Turnpike and Infrastructure Commission
2019 Capital Program
Anticipated Bidding* Schedule

Updated January 17, 2019
Future updates first week of each month

*NOTE: All Capital Projects will Bid via BidExpress.com

Project Number	Milepost or Location	Scope of Work	Construction Schedule	Advertise Date (Planned)
43-19-02	MP 34.2 - 35.2	Bridge Removal and Deck Replacements (ML @ MP34.2 & 34.5 & OH @ MP35.2)	April 2019 - October 2020	January 2018
59-19-01	MP 7.19 - 14.8	Pavement Resurfacing (Resurface @ MP 7.19-14.8, Rt & Lt)	April 2019 - October 2019	January 2019
40-19-01	MP 59.8 - 73.0	Bridge Painting (7 Br: 59.8, 60.8, 66.0, 68.0, 70.3, 73.0)	April 2019 - October 2019	January 2019
59-19-03	MP 120.0 - 127.0	Pavement Repairs (Resurface @ MP 120.0-127.0 Ctr & Rt)	April 2019 - May 2019	February 2019
59-19-02	MP 211	Pavement Repairs (Resurface @ MP 205 - 215 3rd Lane and Shoulder)	May 2019 - October 2019	March 2019
59-19-04	MP 25	Interchange Resurfacing Exit 25	June 2019 - October 2019	March 2019
70-18-01	MP 121.2 - 132.6	Mainline Slope/Drainage Repairs (MP121.2, 123.1EB, & 132.6WB)	May 2019 - October 2019	March 2019
70-18-02	MP 222.1 - 222.65	Mainline Slope/Drainage Repairs (MP222.1 & 222.65)	May 2019 - October 2019	March 2019
46-2019	MP 0.0 - 241.2	Annual Pavement Marking (Mainline and All Interchanges)	April 2019 - October 2019	March 2019
53-19-02/03	MP 139.5	SP-5 Renovation (Middle Ridge and Vermillion Valley)	September 2019 - July 2020	July 2019
39-20-01	MP 0.0 - 7.2	Mainline Pavement Replacement (MP 0.0 - 7.2 EB/WB)	April 2020 - November 2021	September 2019
39-20-02	MP 46.5 - 51.4	Mainline Pavement Replacement (MP 46.5 - 51.4 EB/WB)	April 2020 - November 2021	October 2019
39-20-03	MP 208.2 - 212.8	Mainline Pavement Replacement (MP 208.2 - 212.8 EB/WB)	April 2020 - November 2021	November 2019
39-20-04	MP 236.5 - 241.25	Mainline Pavement Replacement (MP 236.5 - 241.25 EB/WB)	April 2020 - November 2021	December 2019

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**OHIO
TURNPIKE**

2019

CAPITAL PROGRAM



**Bridge Painting, Removal,
Repair and Rehabilitation**



Bridge Removal, Deck Replacement and Rehabilitation

Project 43-19-02

- **Location:** Fulton County
 - MP 34.2 (Abandoned Railroad)
 - MP 34.5 (Mainline – both EB & WB)
 - MP 35.2 (Overhead Bridge)
- **Scope of Work:**
 - Bridge Removal – fill and at grade pav't (MP 34.2)
 - Bridge Deck Replacement and Widening (MP 34.5)
 - Bridge Deck Replacement (MP 35.2)
- **Schedule:**
 - Advertise for Bids: January 2019
 - Construction: April 2019 – October 2020



Bridge Painting

Project 40-19-01 (6 Bridges)

- **Location:** Lucas County
 - MP 59.8 (OH), 60.8 (OH)Wood County
 - MP 66.0 (ML), 68.0 (ML), 70.3 (ML), 73.0 (ML)
- **Scope of Work:**
 - Existing coating removal
 - Application of OZEU paint system
- **Schedule:**
 - Advertise for Bids: January 2019
 - Construction: May 2019 – September 2019



**Pavement Repairs
and Resurfacing**



Pavement Repairs and Resurfacing

Project 59-19-01

- **Location:** Williams County
 - MP 7.19 to MP 14.80 Eastbound and Westbound
 - MP 2.87 to MP 7.19 Eastbound
- **Scope of Work:**
 - Resurfacing of both lanes and shoulders
 - Partial Eastbound Shoulder Reconstruction
 - Miscellaneous Pavement Repairs and Roadway Improvements
 - Temporary Traffic Control
- **Schedule:**
 - Advertise for Bids: January 2019
 - Construction: April – October 2019



Pavement Repairs and Resurfacing

Project 59-19-02

- **Location:** Portage and Trumbull Counties
 - MP 205 to MP 215 Eastbound and Westbound
- **Scope of Work:**
 - Resurfacing of the 3RD Lane and inside shoulder
 - Miscellaneous Pavement Repairs and Roadway Improvements
 - Temporary Traffic Control
- **Schedule:**
 - Advertise for Bids: March 2019
 - Construction: May – October 2019



Pavement Repairs and Resurfacing

Project 59-19-03

- **Location:** Erie County
 - MP 122.9 to MP 126.3 Eastbound and Westbound
- **Scope of Work:**
 - Miscellaneous Pavement Repairs
 - Miscellaneous Roadway Improvements
 - Temporary Traffic Control
- **Schedule:**
 - Advertise for Bids: February 2019
 - Construction: April – May 2019



Pavement Repairs and Resurfacing

Project 59-19-04

- **Location:** Fulton County
 - Exit 25, MP 25.6
- **Scope of Work:**
 - Exit Ramp Resurfacing and Pavement Repairs
 - Miscellaneous Roadway Improvements
 - Temporary Traffic Control
- **Schedule:**
 - Advertise for Bids: March 2019
 - Construction: June – October 2019



Drainage Improvements



Slope and Drainage Repairs

Project 70-18-01

- **Location:** Erie and Lorain Counties
 - MP 121.2, 123.1, and 132.65
- **Scope of Work:**
 - Culvert and miscellaneous drainage repairs, soil slope excavation, embankment, minor pavement repairs
- **Schedule:**
 - Advertise for Bids: April 2019
 - Construction: June – October 2019



Drainage Improvements

Project 70-18-02

- **Location:** Mahoning County
 - MP 222.1 to 222.65 (Eastbound)
- **Scope of Work:**
 - Ditch and Slope Reconstruction
 - Perform piping repairs and install rock channel protection as needed
- **Schedule:**
 - Advertise for Bids: March 2019
 - Construction: May 2019 – June 2019



Facility Projects



Service Plaza Renovations (SP-5)

Project 53-19-02/03

- **Location:** Lorain County
 - MP 139.5, WB & EB
 - Middle Ridge Service Plaza (53-19-02)
 - Vermilion Valley Service Plaza (53-19-03)
- **Scope of Work:**
 - Emergency generator & distribution, HVAC chiller, exterior lighting and painting, interior lighting, painting, ceiling tile & grid, terrazzo floors, bathroom fixtures, etc.
- **Schedule:**
 - Advertise for Bids: Summer of 2019
 - Construction: Fall of 2019 -- Spring of 2020



Pavement Sealing

Project 41-19-01(02)

- **Location:** Various Facilities and Lots
 - Group 1 – MP 93.1 to 109.4 (Sandusky & Erie Counties)
 - Group 2 – MP 159.4 to 187.2 (Cuyahoga, Summit, Portage)
 - Group 3 – MP 219.4 to 237.2 (Mahoning County)
- **Scope of Work:**
 - Cleaning, prepping, and sealcoating asphalt pavement with asphalt emulsion sealcoat
 - Total Area = 2,464,000 Square Feet
- **Schedule:**
 - Advertise for Bids: March 2019
 - Construction: May – August 2019



Traffic Control Projects



Pavement Marking

Project 46-2019

- **Location:** Williams, Fulton, Lucas, Wood, Ottawa, Sandusky, Erie, Lorain, Cuyahoga, Summit, Portage, Trumbull and Mahoning Counties
 - Milepost 0 to 241.2
- **Scope of Work:**
 - Furnish and apply Retro-reflective pavement markings on the Ohio Turnpike mainline roadway and interchange ramps
- **Schedule:**
 - Advertise for Bids: February 2018
 - Construction: May – October 2018



**Beyond 2019 –
Toll Collection System Modifications**

Modernizing the Ohio Turnpike's Toll Collection System



Mainline Considerations

- Implement highway speed E-ZPass lanes at Eastgate and Westgate (fixed tolls by vehicle class)
- Convert Eastgate to one-way collection Westbound - No collection Eastbound
- Construct two mainline barrier plazas with highway speed E-ZPass lanes at MP 49 and MP 211 (new ends of closed ticket system)
- Remove 9 Toll Plazas but maintain interchange access to Turnpike (TP 13, 25, 34, 39, 215/216, 218, 232, 234)
- ● ● Maintain 2013 toll rate freeze for class 1 E-ZPass trips under 30 miles through 2023
- ● ● Remove all entry toll lane gates and E-ZPass Only exit toll lane gates and install new license plate image capture cameras
- ● ● Retain toll lane gates in non-E-ZPass exit lanes

Back Office Considerations

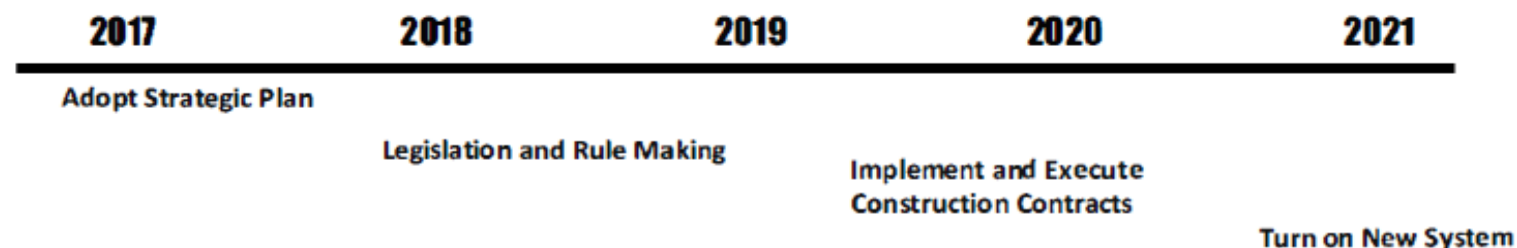
- Replace Toll Collection System (TCS) and Customer Service Center (CSC) hardware/software including E-ZPass website
- Continue to staff and operate in-house E-ZPass Ohio CSC
- Contract with vendor(s) for license plate image review, processing and collections

Impacts and Benefits of Recommended Option

- Bold step forward in technology and convenience for our customers without introducing significant revenue risk to our financial projections
- Approximately 80% of our transactions and 85% of our revenue will still be collected within the ticketed portion of the system (MP 49 through MP 211)
- Provides non-stop travel at highway speeds (70 mph) for *E-ZPass* customers traveling the full length of the Ohio Turnpike
- Provides non-stop travel at low speeds (10-15 mph) at all interchange plazas (TP 52 thru TP 209) for *E-ZPass* customers
- Provides non-tolled trips for local travelers within TP 13 thru TP 39 and within TP 216 thru TP 232
- Barrier toll includes per mile cost for a portion of the non-tolled section (MP 2 thru MP 49 & MP 211 thru MP 239)
- Full length trip cash customers will stop 3x (EB) or 4x (WB) instead of 2x as they currently do
- Toll collection staff reductions due to removal of plazas, removal of gates on entry, increased *E-ZPass* penetration and faster collection rates at Eastgate and Westgate
- Approximately \$257 Million in Operating Cost Savings over 30 years
- Approximately \$241 Million increase in Net Revenue over 30 years
- Approximately \$189-217 Million in capital implementation costs (2017 costs)

Next Steps

- Commission Resolution to Adopt Strategic Plan (2017)
- Develop Legislative and Rule Making Changes (2017-2019)
- Finalize Key Policies and Business Rules (2018)
- Adopt Toll Policy and Barrier Toll Rate Schedule (2018-2019)
- Procure TCS, CSC and Design/Construction Contracts (2018-2020)
- Continue Public and External Stakeholder Outreach (2018-2021)
- Complete TCS, CSC and Toll Plaza Upgrades (2020-2021)





Pavement Replacement

Project 39-20-01

- **Location:** Williams County
 - MP 0 – MP 7.2
- **Scope of Work:**
 - Full Depth Pav't Replacement – MP 0 – MP 7.2
 - Right and Left Lanes and Right Shoulder
 - Widened Pav't & Left Shoulder – MP 2.26 – MP 4.5
 - New Westgate Toll Plaza Ramps (TP 4) and Site Work
 - Demolition of Former Westgate Toll Plaza
- **Schedule:**
 - Advertise for Bids: September 2019
 - Construction: February 2020 – October 2022



Pavement Replacement

Project 39-20-02

- **Location:** Fulton and Lucas Counties
 - MP 46.5 - MP 50.9
- **Scope of Work:**
 - Full Depth Pav't Replacement – MP 46.5 – MP 50.9
 - Right and Left Lanes and Right Shoulder
 - New Toll Plaza Ramps (TP 49) and Site Work
- **Schedule:**
 - Advertise for Bids: October 2019
 - Construction: February 2020 – December 2021



Pavement Replacement

Project 39-20-03

- **Location:** Trumbull County
 - MP 208.18 – MP 213.76
- **Scope of Work:**
 - Full Depth Pav't Replacement – MP 208.18 – 213.76
 - Right Two Lanes and Shoulder
 - New Toll Plaza Ramps (TP 211) and Site Work
- **Schedule:**
 - Advertise for Bids: November 2019
 - Construction: February 2020 – December 2021



Pavement Replacement

Project 39-20-04

- **Location:** Mahoning County
 - MP 236.4 – MP 241.25
- **Scope of Work:**
 - Full Depth Pav't Replacement – MP 236.4 – 241.25
 - Right and Left Lanes and Right Shoulder
 - Widened Pav't & Shoulder – MP 237.17 – MP 240.25
 - Reconstructed Eastgate Toll Plaza Ramps - WB
- **Schedule:**
 - Advertise for Bids: December 2019
 - Construction: February 2020 – December 2021



Toll Plaza Project

Project 58-20-01

- **Locations:** Williams County – New TP 4
Lucas County – New TP 49
- **Scope of Work:**
 - Utility Building
 - Toll Plaza and Canopies
 - New Pedestrian Bridge
- **Schedule:**
 - Advertise for Bids: December 2019
 - Construction: September 2020 – November 2021



Toll Plaza Project

Project 58-20-02

- **Locations:** Trumbull County – New TP 211
Mahoning County – Renovation TP 239
- **Scope of Work:**
 - Utility Building
 - Toll Plaza and Canopies
 - New Pedestrian Bridge (TP 211 only)
- **Schedule:**
 - Advertise for Bids: January 2020
 - Construction: September 2020 – November 2021

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**OHIO
TURNPIKE**

Thank You!