



DISTRICT 12

2024 YEAR IN REVIEW & 2025 PROJECTIONS

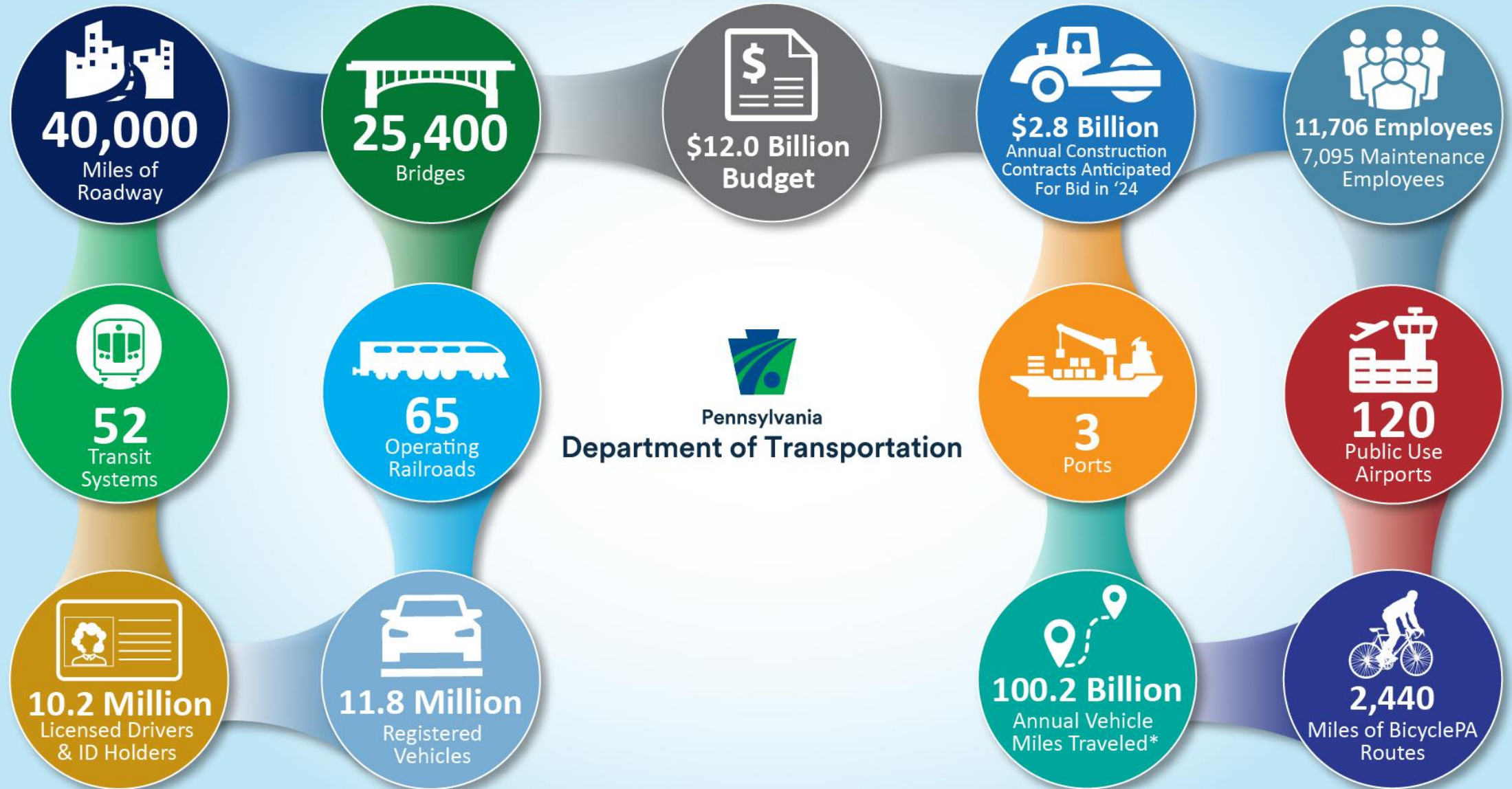
RACHEL D. DUDA, P.E.
DISTRICT EXECUTIVE

WILLIAM L. BEAUMARIAGE, P.E.
ADE-CONSTRUCTION

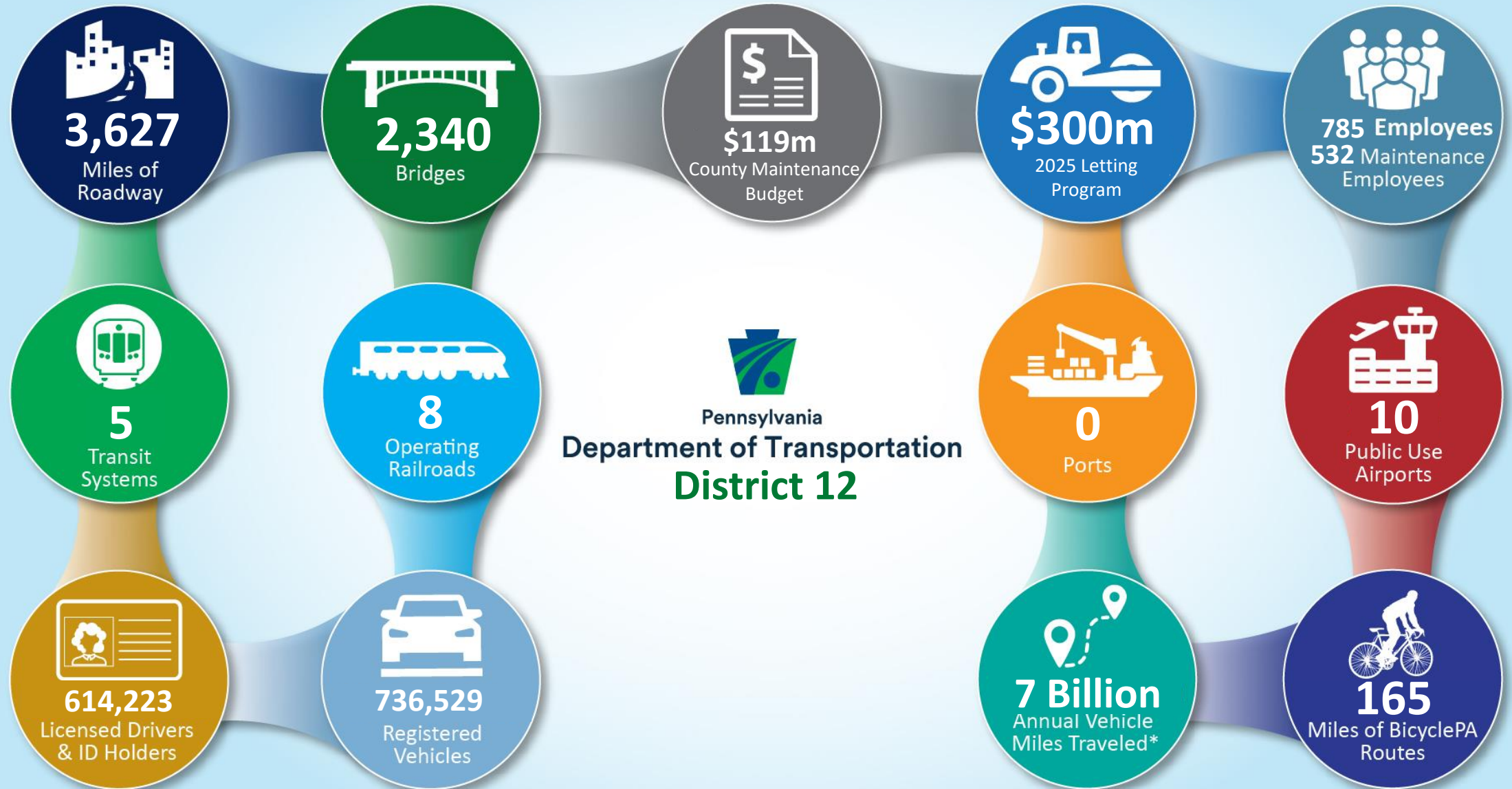
JEREMY M. HUGHES, P.E.
ADE-DESIGN

APRIL 4, 2025

PENNDOT BY THE NUMBERS



DISTRICT 12 BY THE NUMBERS



DISTRICT 12 ORGANIZATIONAL CHART



District Executive
Rachel D. Duda, P.E.



ADE – Design
Jeremy M. Hughes, P.E.



ADE – Construction
William L. Beaumariage, P.E.



ADE – Maintenance
Robert C. Dean, P.E.



Administrative Assistant
Cristy Kasovich



Plans Engineer
Bryan P. Walker, P.E.



Construction Support Services
Adam J. Smith, P.E.



Maintenance Support Services
Timothy A. Cook, P.E.



Fiscal Manager
Leslie Wynn



Bridge Engineer
Mike Miskanin, P.E.



Assistant Construction Engineer
E. Scott Faieta, P.E.



Fayette County Maintenance Manager
Jason Spangler



Business Performance Mgr.
Joel Morris



Portfolio Manager
Jeremy Shaneyfelt, P.E.



Assistant Construction Engineer
Darin Glitz, P.E.



Greene County Maintenance Manager
William "Dale" Baird



Human Resources
Mary Machesky



Design Services Engineer
Gary L. Barber, P.E.



Assistant Construction Engineer
Dominec A. Caruso, P.E.



Washington County Maintenance Manager
Susan Howard



Information Technology
Joe Klink



Transportation Planning Mgr.
Angela Swallop-Baker



Assistant Construction Engineer
Mark M. Kmetz, P.E.



Westmoreland County Maintenance Manager
Dave Forkey



Structure Control Engineer
Kenneth A. Shimko, P.E.



ALWAYS FOCUSED ON SAFETY



Department workforce



Contractor and Consultant Employees



Building safety into our projects



Innovations in safety



STILL FOCUSED ON QUALITY

VISION

A better quality of life built on transportation excellence.

MISSION

To provide a sustainable transportation system and quality services that are embraced by our communities and add value to our customers.



PROJECT DELIVERY

- ✓ Certified Since 2006
- ✓ Internal Auditors
- ✓ Semi-Annual Surveillance Audits
- ✓ Recertification audits every 3 years
- ✓ Minimal findings

INNOVATIONS

- **Innovative Interchanges and Intersections**
- Second DDI in the District at the I-70 and Route 51 interchange under construction
- Modified R-cut displaced left intersection under design for Route 30 at Route 48
- Over 20 Roundabouts either open to traffic, in construction or under design

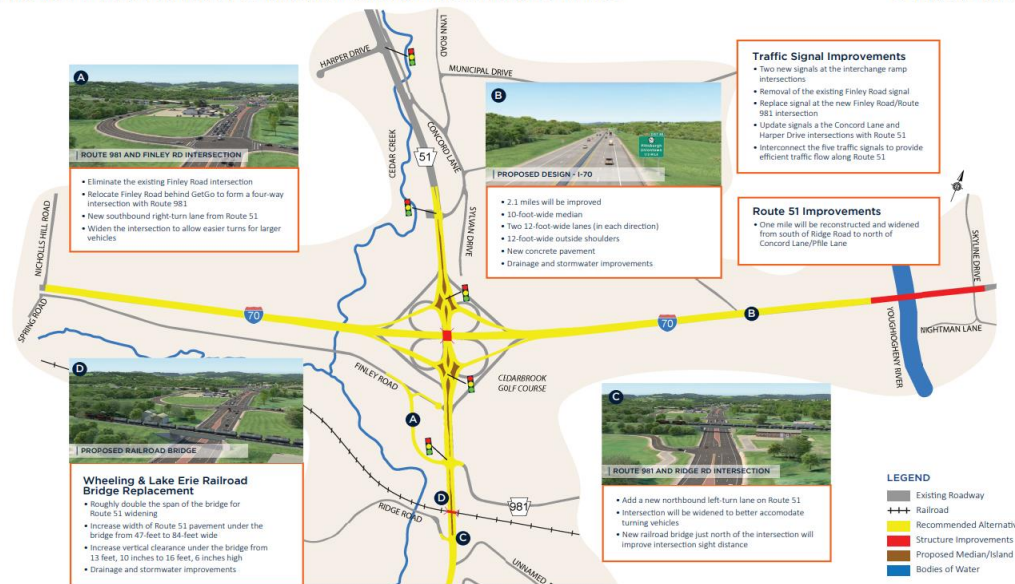


Continuous T Intersection "Florida T"



PA 31 @ PA Turnpike - Donegal

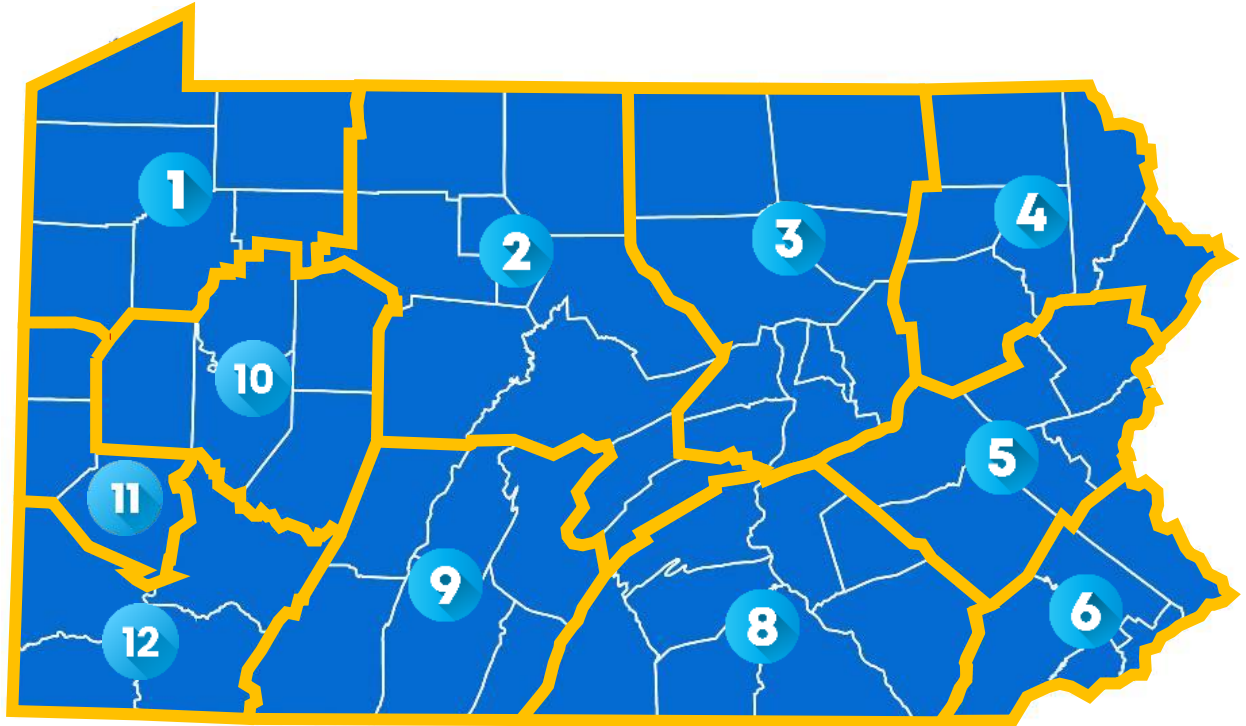
PROJECT OVERVIEW MAP: I-70 MAINLINE AND ROUTE 51 IMPROVEMENTS



DIGITAL DELIVERY

Vision Statement

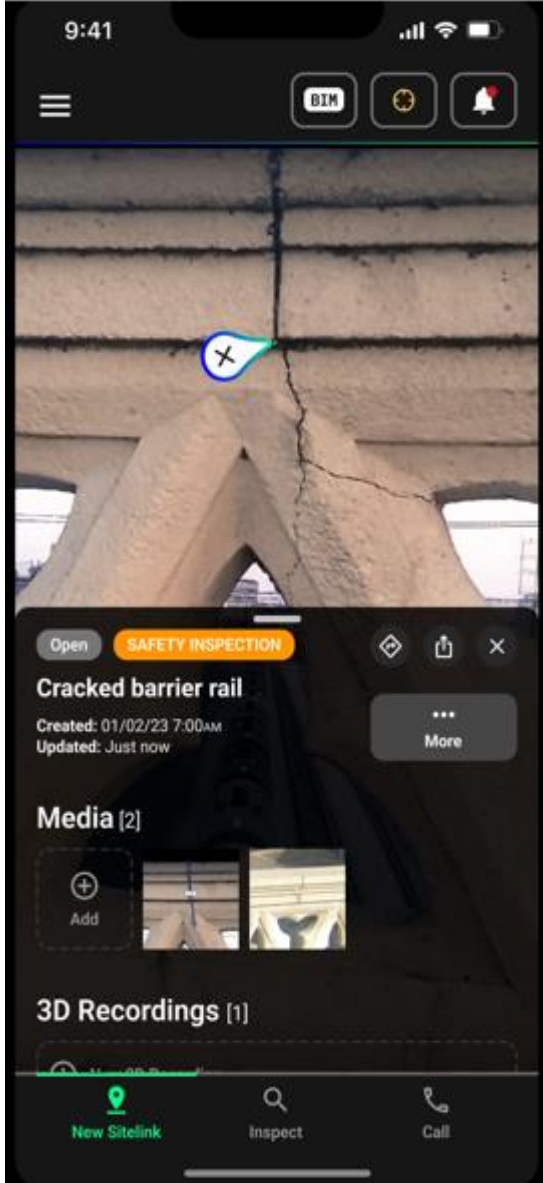
By 2025, construction projects will have the **ability** to be bid using 3D technology and no longer be in a traditional construction plan format.



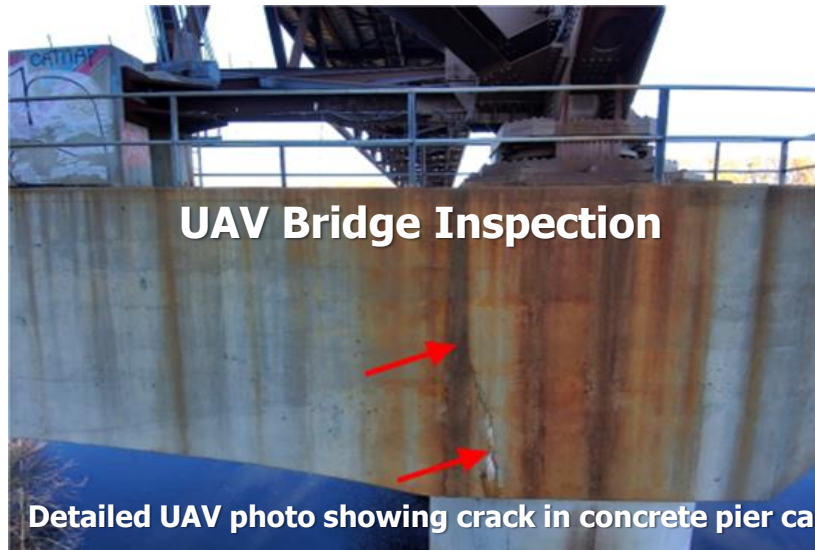
2
2

Pilot projects being designed and constructed across the state using model-based approach for a standardized digital delivery process.

MOVING INTO A DIGITAL WORLD



Augmented Reality & Construction Analytics



UAV Bridge Inspection

Detailed UAV photo showing crack in concrete pier cap

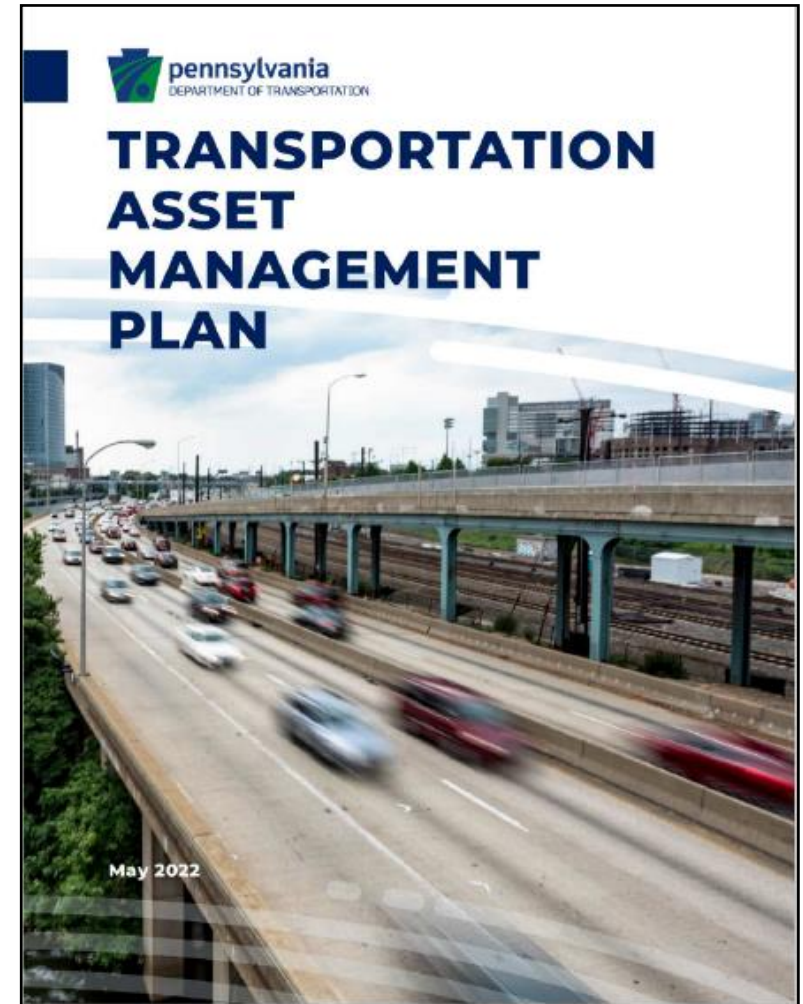


Unmanned Aircraft Systems

ASSET MANAGEMENT

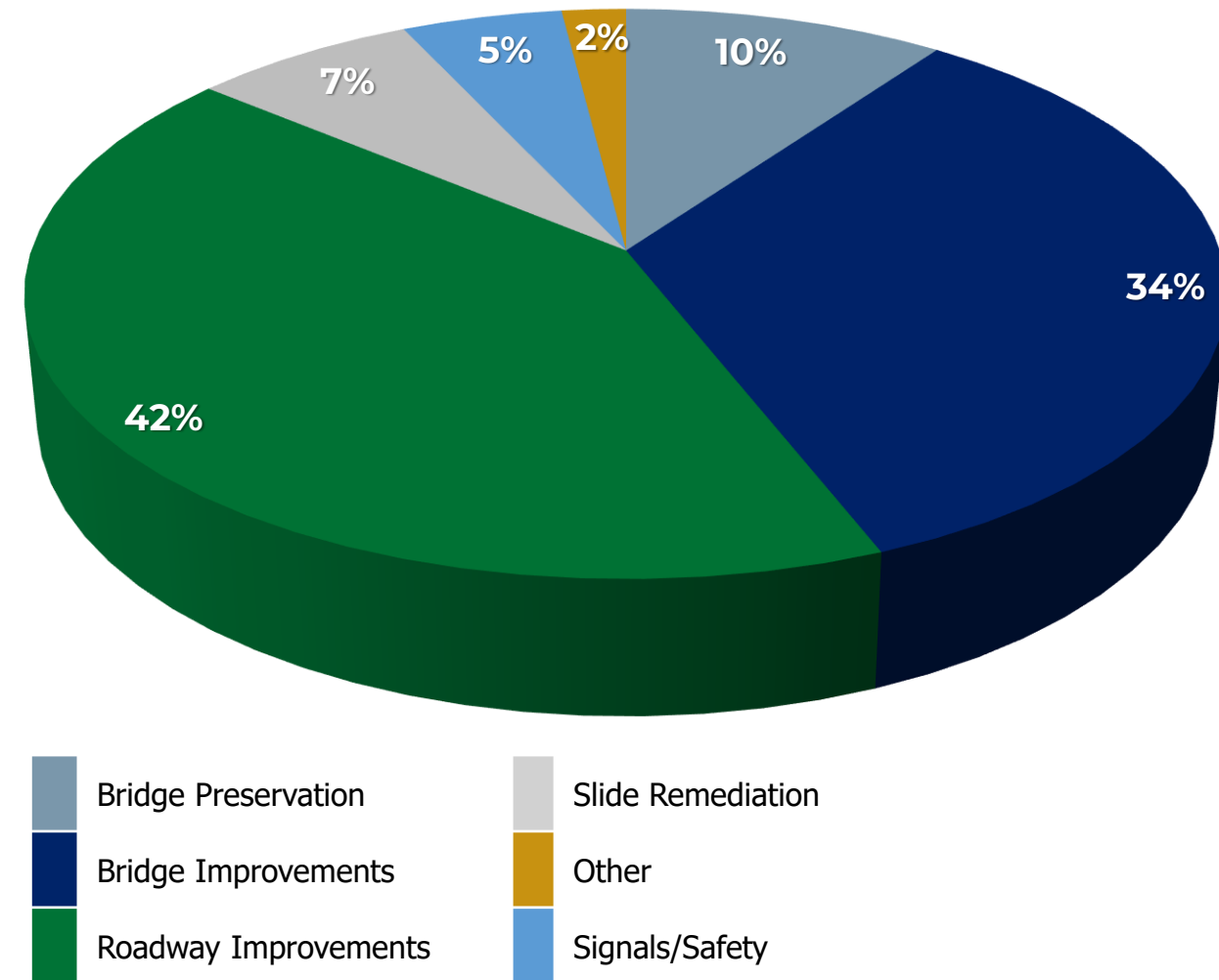
2022 Transportation Asset Management Plan

- FHWA BIL compliance issued in March 2023
- In addition to Pennsylvania's National Highway System, this TAMP was expanded to include all state-owned roads and bridges
- Includes:
 - Inventory & Conditions
 - Performance Management
 - Life Cycle Planning
 - Risk Management
 - Financial Plan
 - Implementation Plan



ASSET MANAGEMENT – 2025 TIP

Allocated Funding

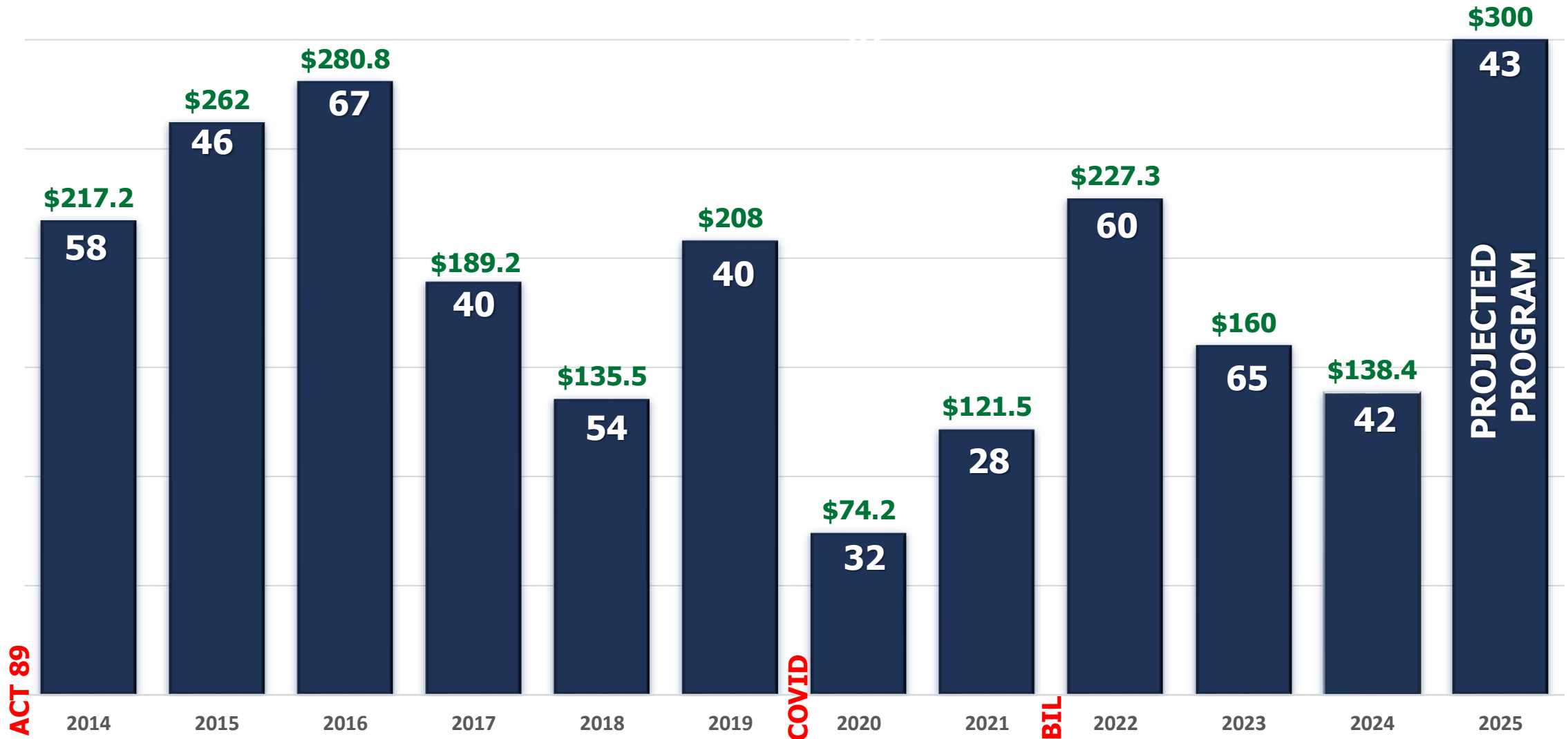


\$516,633,930 Invested in 163 Projects

| Project Type | 2025 TIP Total Investment | % Funding | # Projects | % Projects |
|----------------------|---------------------------|-----------|------------|------------|
| Bridge Preservation | \$51,890,000 | 10% | 27 | 17% |
| Bridge Improvements | \$177,538,428 | 34% | 91 | 56% |
| Roadway Improvements | \$214,188,319 | 42% | 13 | 8% |
| Slide Remediation | \$34,355,307 | 7% | 7 | 5% |
| Signals/Safety | \$22,827,352 | 5% | 16 | 10% |
| Other | \$15,474,524 | 2% | 9 | 4% |

Projects Programmed as of Jan 16, 2025

PROGRAM HISTORY

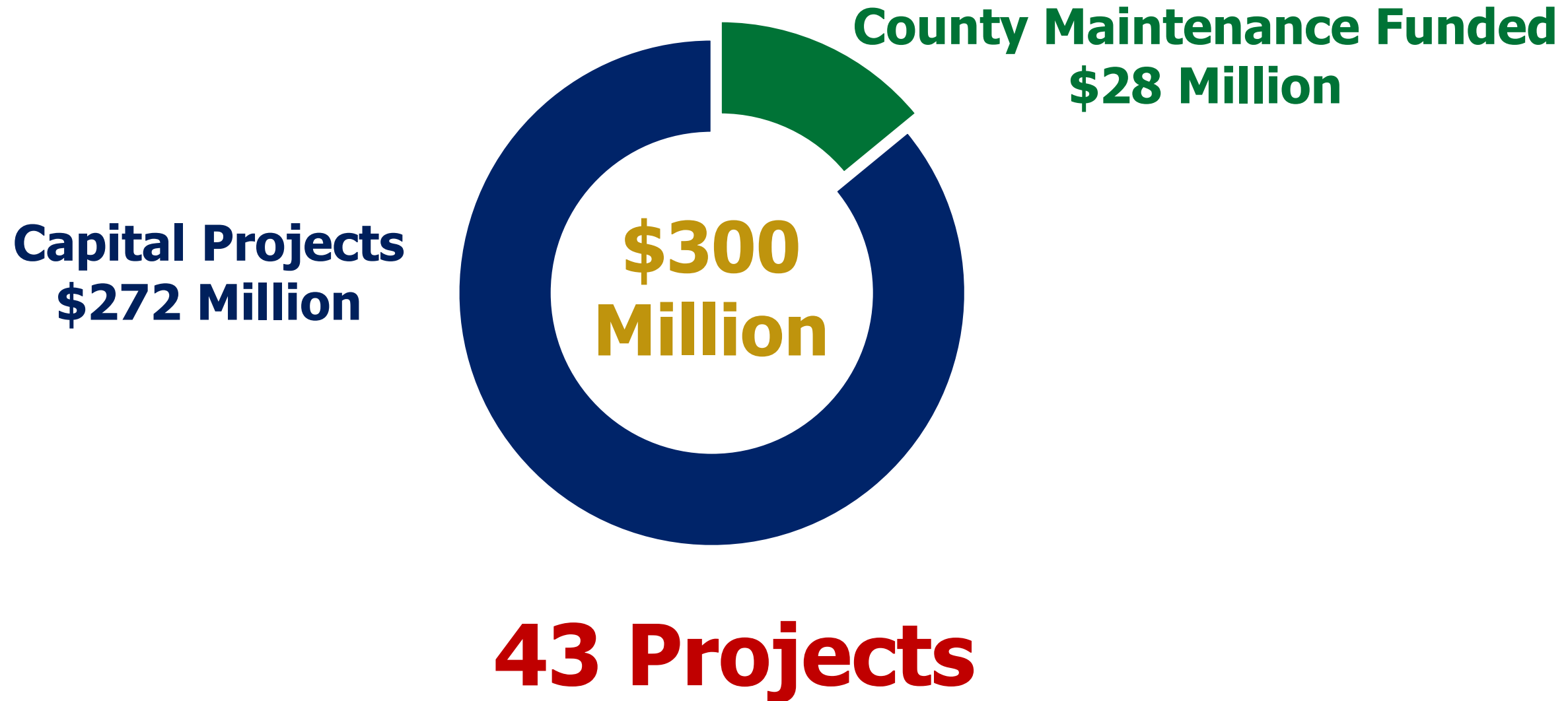


Construction Lettings

| Project Type | Contract Amount | % Funding | # Projects | % Projects |
|----------------------|-----------------|-----------|------------|------------|
| Bridge Improvements | \$80.1M | 58% | 22 | 52% |
| Roadway Improvements | \$58.3M | 42% | 20 | 48% |

\$138.4M | 42 Projects

2025 PROJECTIONS



WORKFORCE DEVELOPMENT

Winter Construction Conference

**Diversity, Equity, and
Inclusion Committee**

CE Trainee program

**Engineering Scientific and
Technical Interns**

**CE Development
Association**

PennDOT Mentoring / Protégé Program



Title VI

**Recruitment
& Retention**

**Small Business
Enterprise**

**On-The Job
Training Program**

DISTRICT 12 TEAM



Angel Tree



Christmas Donations



Supporting Animal Shelters



Giving Back



Litter Media Event



Star of Excellence



Workplace Heroes



SECA Charity Donations

RELATIONSHIPS & CUSTOMER SERVICE

Enhanced
Public
Involvement

PennDOT
Connects

Legislative
Outreach

Community
Relations
Office



2025 LETTING SCHEDULE

JANUARY 2025

PROJECT DELIVERY TOP THREATS

| Threat: | Mitigation: |
|--|--|
| Funding | Let dates must be met to capture available funding. Estimates must be kept current. |
| Long Review Times on Permits | Schedules must accurately reflect realistic review time. Permit submissions must be of highest quality. |
| No FHWA Approvals of Environmental Documents | CE Expert System update is planned for end of April. No approvals until update. |

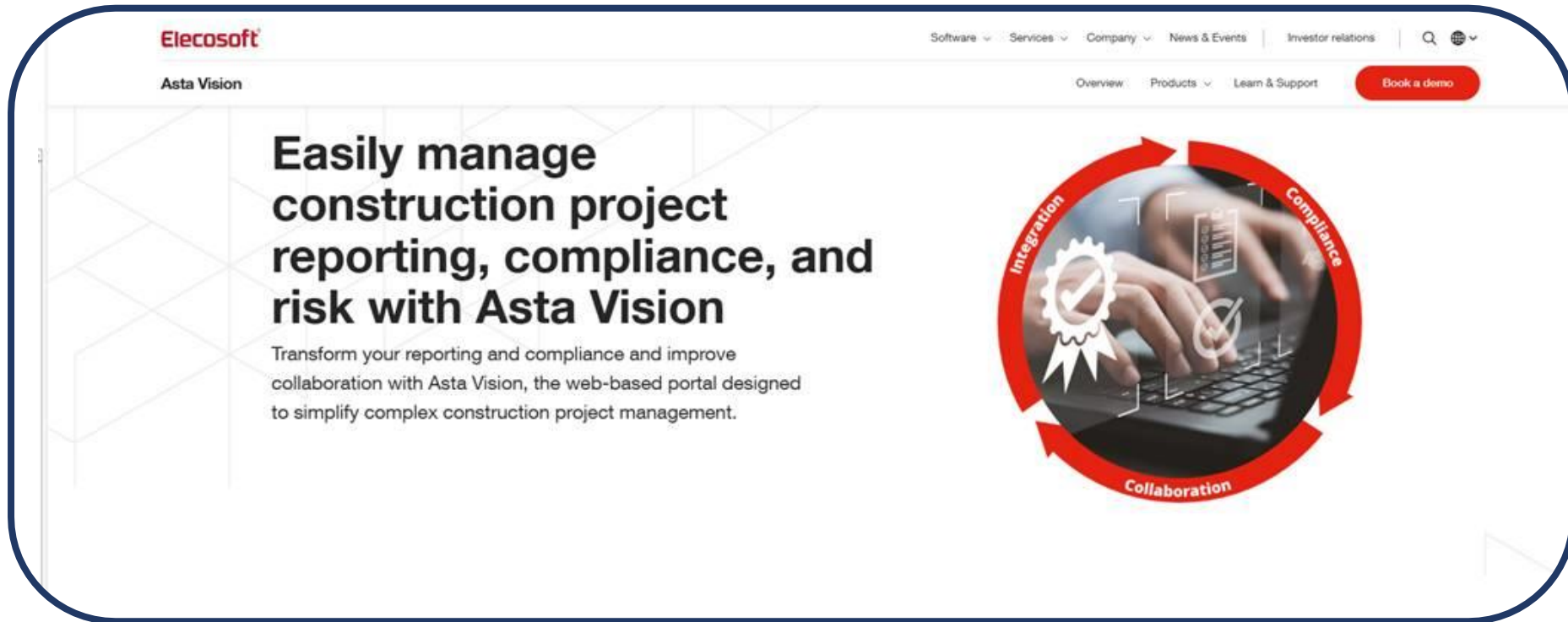
These are largely out of our control.

PROJECT DELIVER KEY AREAS

| Topic | Description |
|---|---|
| Permit Quality | Consistency among plan sets, all Documents, and checklists |
| Maintaining Schedules | Having more negative float than the amount of time since the last update |
| Losing Momentum 8 Months Before Let | Turning 90% plans into a final PS&E |
| Keeping Estimates Current | Significant impact to our ability to program and let projects. |
| Utility Coordination | Throughout project, continuing from let to construction. |
| Keeping Up to Date with Publication Changes | Chasing new standards at the last-minute leads to errors and inconsistency. |

We control these.

PROJECT DELIVERY COMING ATTRACTIONS



Asta Vision to replace ASTA
in Summer 2025

PRESENTATION DISCLAIMER

Please be advised, all future lettings
are the anticipated dates and
subject to change.



ARNOLD CITY INTERCHANGE PROJECT



Anticipated Improvements

I-70

- Full depth reconstruction of 1.75 miles
- Widening lanes and median
- Drainage and Stormwater
- Shifted 4 feet to the north

Structure Replacements:

- SR 3011 over I-70
- SR 3017 over I-70

Interchange Details

- Diamond Configuration
- 5 leg roundabout will connect Eastbound Ramps
- Standard Diamond Ramps for Westbound Ramps

Project Status

- In Construction
- Construction Public Meeting April 22nd
- Interchange will be renamed

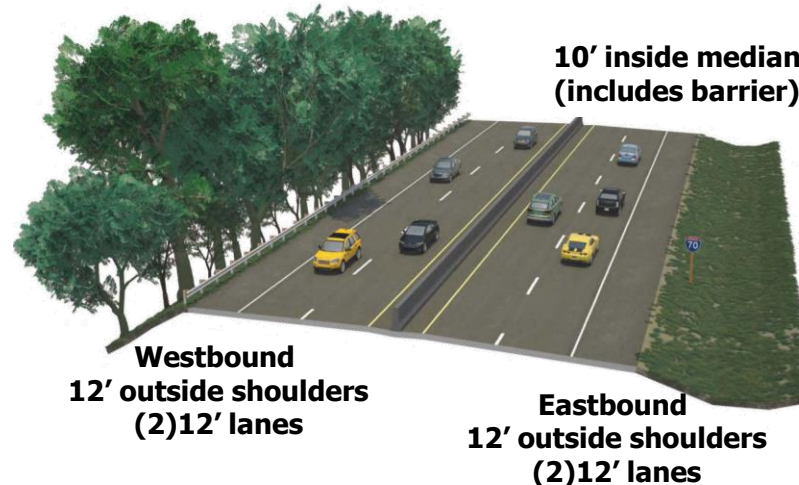
 **Designer:**
Parson
Transportation Group

 **Contractor:**
Golden Triangle
Construction

 **Let date/Bid amount:**
January 9, 2025 /
\$88.8M

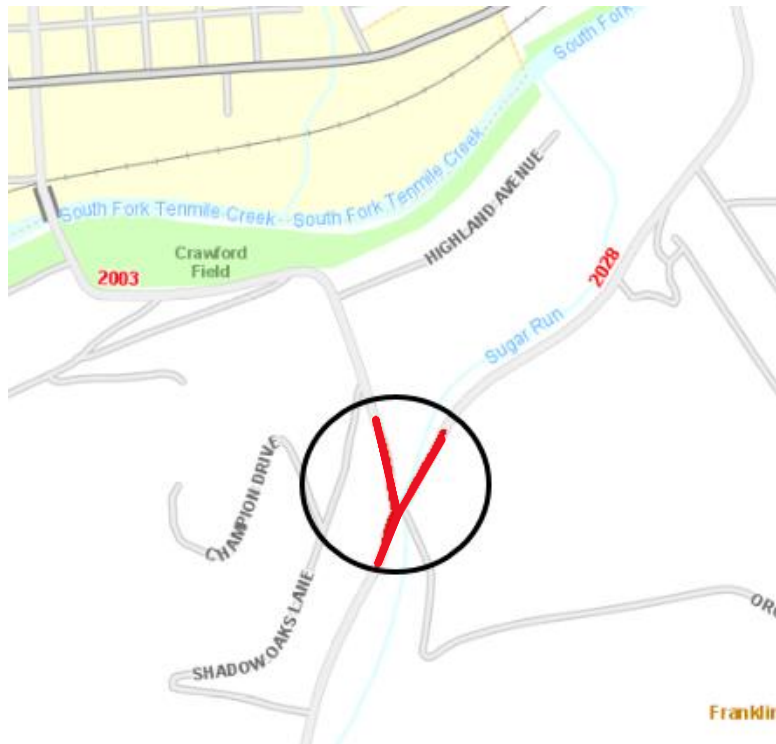
 **Estimated Completion**
:
September 29, 2028

Updated I-70 Typical Section



 **ARNOLD CITY**
INTERCHANGE IMPROVEMENTS

SUGAR RUN ROAD INTERSECTION



This project is for the reconstruction of the Route 2003 (Sugar Run Road) and Route 2028 (South Porter Street) intersection in Franklin Township, Greene County. It will be reconfigured with a roundabout and bridge replacement.



**County
Greene**



**Contractor:
Plum
Contracting**

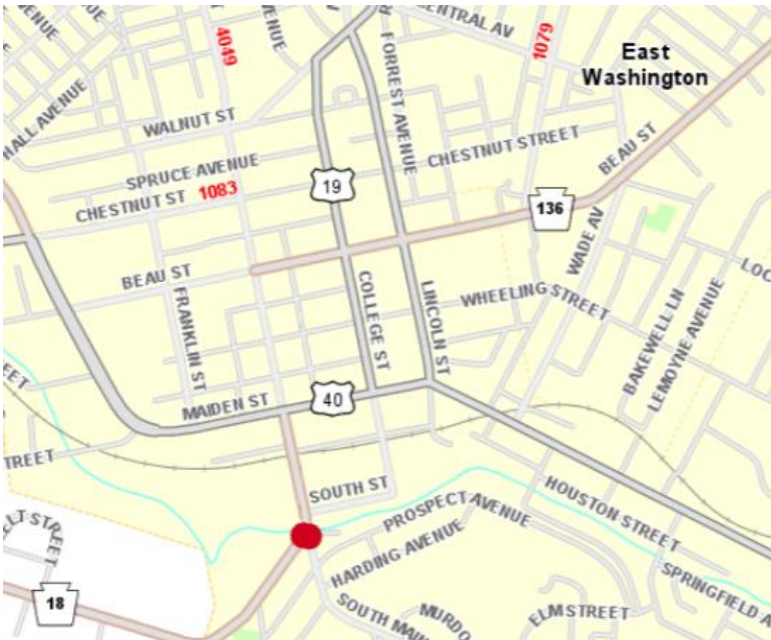


**Let Date/
Amount
March 13th /
\$4.2M**



**Estimated
Completion
End of 2026**

PA 18/SR 2001 OVER CATFISH CREEK



Replacement of two structures carrying SR 2001/18 (South Main Street) over a branch of Catfish Creek in the City of Washington.



**County
Washington**



**Construction
Estimate
\$2M-\$4M**



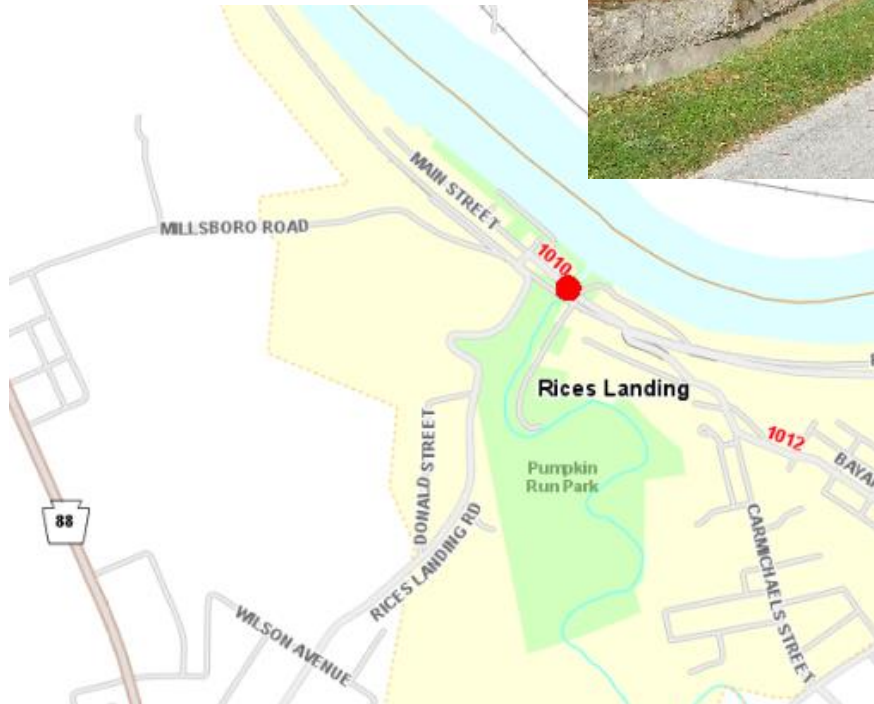
**Let Date
July 2025**



**Estimated
Completion
October 2026**



1010 OVER PUMPKIN RUN



**County
Greene**

**Construction
Estimate
\$1M - \$3M**

**Let Date
End of 2025**

**Estimated
Completion
October 2026**

Improvements to the structure carrying Route 1010 (River Road) over Pumpkin Run in Rices Landing Borough, Greene County.

NORTH GALLATIN AVE BRIDGE



**County
Fayette**



**Construction
Estimate
\$1M - \$3M**



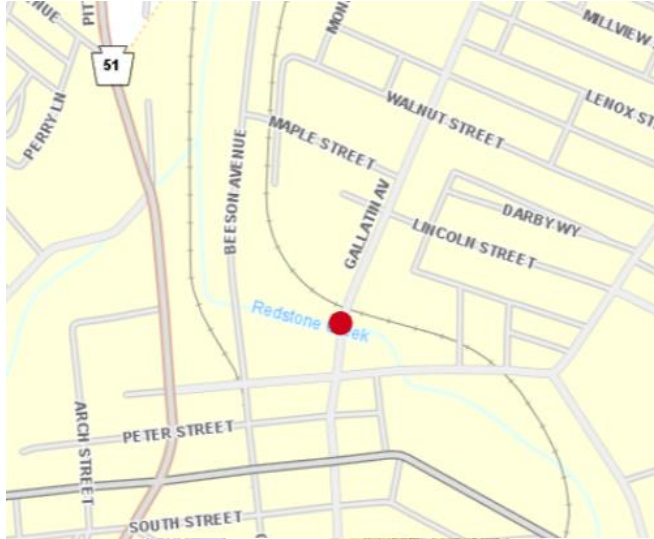
**Let Date
June 2025**



**Estimated
Completion
October 2026**

**LOCAL
PROJECT**

Replacing the locally owned structure carrying North Gallatin Avenue over Redstone Creek in the City of Uniontown. The District plans to use an innovative prefabricated CIP T-beam system for this bridge.



NATIONAL PIKE TUNNEL REHABILITATION

The project is the rehabilitation of a Pre-Civil War railroad tunnel along an abandoned CSX rail line. The tunnel will eventually be used for a section of the National Pike Trail. The proposed rehabilitation efforts primarily include masonry and drainage items.



**County
Washington**



**Construction
Estimate
\$750K - \$1M**



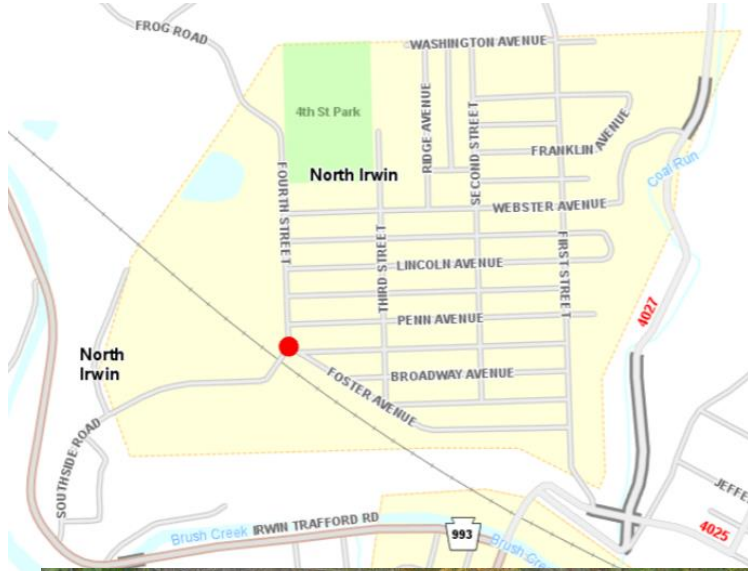
**Let Date
June 2025**



**Estimated
Completion
2026**

**LOCAL
PROJECT**

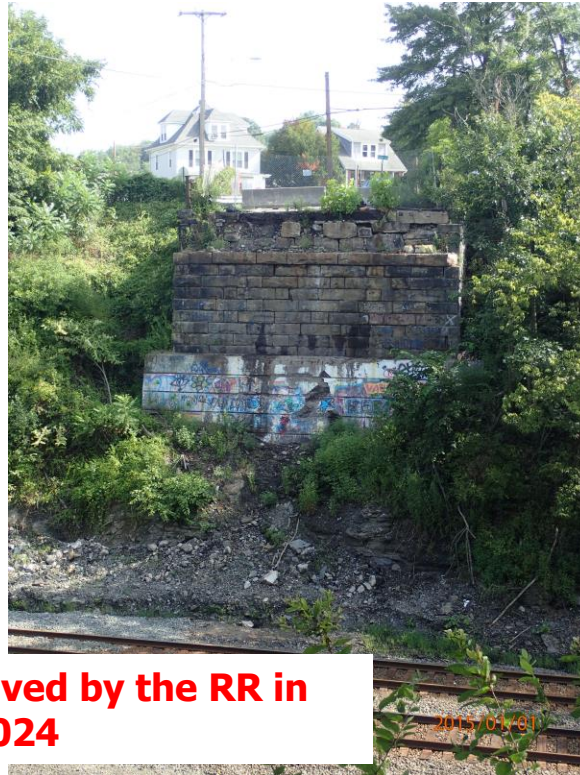
FOURTH STREET BRIDGE



Replacement of the structure carrying SR 7421 (Fourth Street) over Norfolk Southern Railroad in North Irwin Borough.



Structure removed by the RR in 2024



**County
Westmoreland**



**Construction
Estimate
\$3M-\$5M**



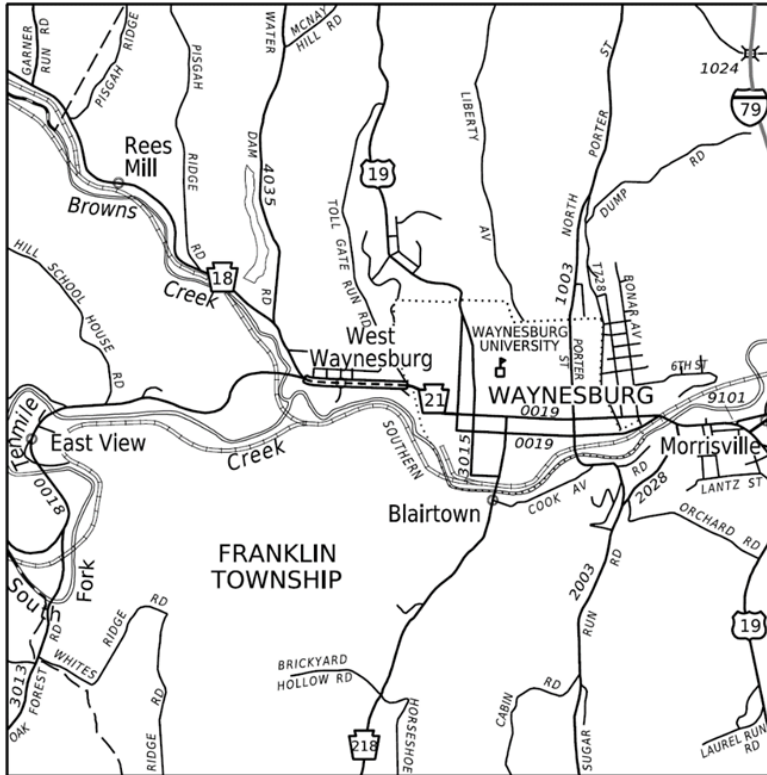
**Let Date
Winter
2025/2026**



**Estimated
Completion
October 2026**

**LOCAL
PROJECT**

PA 18/PA 21 IMPROVEMENTS



LEGEND

- | | |
|-------------------------|----------------|
| ———— STATE ROUTE | ———— PROJECT |
| - - - - - TOWNSHIP LINE | ———— NO DETOUR |

**County
Greene**

**Construction
Estimate
\$1M - \$3M**

**Let Date
August 2025**

**Estimated
Completion
Fall 2026**

This project (aka West Waynesburg turn lane) will install a two-way left turn lane in a corridor that is currently a two-lane, two-way roadway with many driveways and intersections in Franklin Township. It currently lacks proper refuge for vehicles waiting to make left turns.

DEPARTMENT FORCE BRIDGE PROGRAM

FAYETTE

| MPMS | Project Title- DFB | Local Road | Municipality | Let Date |
|--------|-------------------------------------|-----------------|---------------|-----------|
| 119703 | SR 1009 over Little Champion Creek | White Road | Saltlick Twp | 9/25/2025 |
| 120125 | SR 1051 over Little Champions Creek | Breakneck Road | Saltlick Twp | 9/25/2025 |
| 81994 | SR 4011 over Washwater Run | Laureldale Road | Jefferson Twp | 9/25/2025 |

GREENE

| MPMS | Project Title- DFB | Local Road | Municipality | Let Date |
|--------|--------------------------|------------------|----------------|-----------|
| 81798 | SR 4007 over Owens Run | Ackley Creek Rd | Richhill Twp | 9/25/2025 |
| 79347 | SR 1009 over Castile Run | Center School Rd | Morgan Twp | 9/25/2025 |
| 116469 | SR 4031 over Dillie Run | Dillie Rd | Washington Twp | 9/25/2025 |

DEPARTMENT FORCE BRIDGE PROGRAM

WASHINGTON

| MPMS | Project Title- DFB | Local Road | Municipality | Let Date |
|--------|------------------------------------|-----------------|--------------------|-----------|
| 81943 | PA 331 over Br Brush Run #2 | Brush Run Road | Canton Twp | 10/9/2025 |
| 103142 | SR 4015 over Br Raccoon Creek | Water Dam Road | Mount Pleasant Twp | 10/9/2025 |
| 116084 | SR 3014 over Chartiers Creek Group | Vaneal Road | South Franklin Twp | 10/9/2025 |
| 103033 | SR 3009 ov Br Chartiers Ck | Old Scales Road | South Franklin Twp | 10/9/2025 |

WESTMORELAND

| MPMS | Project Title- DFB | Local Road | Municipality | Let Date |
|--------|---|------------------|--------------|-----------|
| 116467 | SR 1049 over Br Little Crabtree Creek (Seg 20 | Twin Lakes Rd | Unity Twp | N/A |
| 116471 | SR 4041 over Br of Brush Run | Denmark Manor Rd | Penn Twp | 10/9/2025 |
| 105818 | SR 1049 ov Br Ltl Crabtree CK | Twin Lakes Rd | Unity Twp | 10/9/2025 |

DISTRICTWIDE BRIDGE PRESERVATION PROJECTS

| MPMS | Project Title | Let Date | Estimate Range |
|--------|--|------------|----------------|
| 116915 | Bridge Scour Mitigation and Preservation | 1/9/2025 | \$695,816.00 |
| 118898 | 2025 D12 Hydro/Latex Bridge Deck Pres | 3/13/2025 | \$3,132,465.49 |
| 118886 | PA 857 over Mountain Creek Deck Replacement | 5/8/2025 | \$800K-\$1M |
| 116772 | Fayette County Epoxy Overlay | 6/5/2025 | \$1.5M-\$3M |
| 119729 | 2025 On-Demand Bridge Contract | 6/26/2025 | \$2M-\$3M |
| 118892 | 2025 D12 Bridge Preservation 1 | 6/26/2025 | \$3M-\$5M |
| 121012 | 2024 D12 Bridge Preservation 2 | 6/26/2025 | \$1M-\$3M |
| 116787 | District 12 2025 Arch and Culvert Preservation | 12/11/2025 | \$1M-\$2M |

DISTRICTWIDE SAFETY PROJECTS

| MPMS | Project Title | Let Date | Estimate Range |
|--------|-----------------------------|-----------|----------------|
| 120603 | Systemic Curve Improvements | 3/6/2025 | \$132,116.55 |
| 117429 | 2025 RPM Contract | 3/27/2025 | \$435743.00 |
| 120605 | SR 1010 Flashing Beacon | 5/22/2025 | \$100K-\$200K |
| 121812 | Interstate Delineation | 6/1/2025 | \$1M-\$3M |
| 122155 | PA 66 HSIP Project | 8/21/2025 | \$400-\$500K |

SURFACE IMPROVEMENTS PROJECT

| County | MPMS | Cost Range | Let Date |
|--------------|--------|----------------|-----------|
| Fayette | 121802 | \$2,512,819.68 | 3/27/2025 |
| Greene | 121804 | \$2-4M | 3/13/2025 |
| Washington | 121805 | \$3-5M | 4/10/2025 |
| Westmoreland | 181806 | \$8-10M | 4/17/2025 |

SLIDES REPAIRS - PROTECT

| County | Route | Local Name | Municipality |
|--------------|-------|-------------------|----------------------|
| Fayette | 4022 | Labelle Road | Luzerne Twp |
| Fayette | 4028 | Tippecanoe Road | Jefferson Twp |
| Greene | 18 | Browns Creek Road | Morris Twp |
| Washington | 221 | Plumsock Road | Morris Twp |
| Washington | 1001 | Reissing Road | Cecil Twp |
| Westmoreland | 993 | Broadway Avenue | North Huntingdon Twp |
| Westmoreland | 4019 | Leger Road | North Huntingdon Twp |
| Westmoreland | 4031 | Baker School Road | North Huntingdon Twp |
| Westmoreland | 4033 | Trafford Road | Murrysville Boro |
| Westmoreland | 4073 | White Cloud Road | Allegheny Twp |

MPMS#121066
Let Date: August 2025
(potential)
\$10M-\$15M

Project awarded Discretionary PROTECT funds

2025 SLIDE REPAIRS

MPMS #117422

Let Date: January 2026 (\$8M-\$10M)

| County | Route | Local Name | Municipality |
|------------|-------|--------------------|--------------------------|
| Greene | 19 | Browns Creek Rd | Morris Twp |
| Greene | 21 | Route 21 | Gray Twp |
| Greene | 3001 | Day Road | Richhill /Washington Twp |
| Washington | 1010 | Cecil Henderson Rd | Cecil Twp |
| Washington | 40 | National Pike | Donegal Twp |

LV TIP: PLEASANT UNITY TO AIRPORT

This project extends about 2.5 miles along Hill Churches Road / Bell Memorial Church Road (Route 2023), from the Bingham Road intersection in Mount Pleasant Township, northward to Route 981 at Airport Road in Unity Township.



**County
Westmoreland**



**Construction
Estimate
\$50M-60M**



**Let Date
July 2025**



**Estimated
Completion
October 2027**

Improvements include:

- Two twelve-foot travel lanes and eight-foot shoulders on each side of the roadway
- 45-mile-per-hour speed limit
- Improved curves and grades
- Three new roundabout intersections at
 - Bell Memorial Church Road (Route 2023) @ Route 130
 - New Route 981 @ Bell Memorial Church Road (Route 2023) near Green Street
 - Route 981 @ relocated Airport Road

US 119 MCCLURE & KINGVIEW ROAD INTERCHANGE

This project will reconstruct US 119 from the approach to Kingview Road to the Westmoreland County line. The Kingview and McClure Road Intersections will be eliminated by constructing a new bridge to be known as Connector Road over US 119 that will connect Mount Pleasant Road to Kendi Road.

- Kendi Road will be reconstructed and extended on the Western side of US 119 and utilized as an interconnecting road to the eliminated intersections.
 - Kendi Road will remain a locally owned and maintained road
- Mount Pleasant Road on the Eastern side of US 119 will be resurfaced and will adjoin with the new Connector Road via a 3 leg Roundabout.
- The intersection of Mount Pleasant Road and Prittstown Road will be upgraded to improve sight distance.
- Crossroads Road will be rehabilitated and will be converted to a one way right in from US 119N.
- There will be on and off ramps at the interchange of US 119N and Connector Road.
- McClure Road will be a right in right out on both sides of US 119.



**County
Fayette**



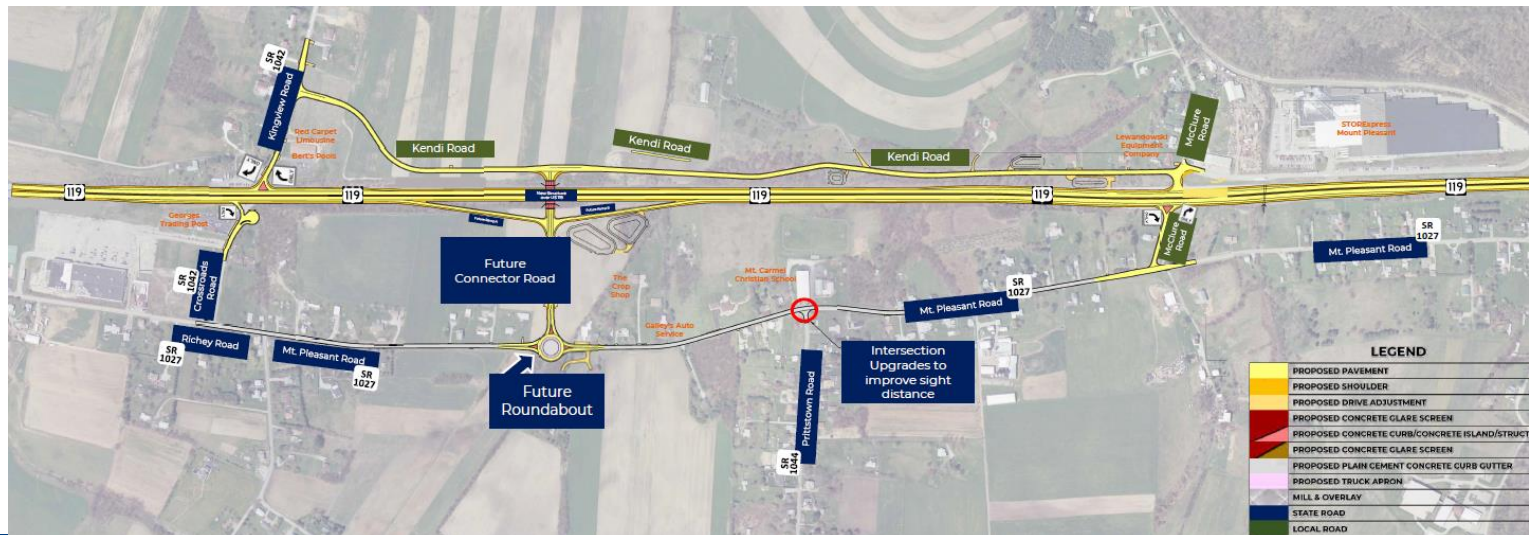
**Construction
Estimate
\$55m-\$65m**



**Let Date
July 2025**



**Estimated
Completion
2028**



LAYTON BRIDGE



**County
Fayette**



**Construction
Estimate
\$40M to \$50M**



**Let Date
Fall 2025**



**Estimated
Completion
Late 2028**

The Layton Bridge project includes the structure carrying Route 4038 (Layton Road) over the Youghiogheny River and River Trail, a smaller structure over Washington Run, a small bridge preservation, roadway realignment, and overlay from Route 51 to the tracks in Layton.

The District is working aggressively to let this project this year while continuing to perform significant work to keep the current structure open.

UPCOMING DESIGN AGREEMENTS

| Project Title | Expected Advertisement | Estimated Agreement Amount |
|---|------------------------|----------------------------|
| PA 130 Corridor Review and Improvements | In Selection | \$1M |
| Jefferson Street Bridge | In Selection | \$1M |
| District 12 Bridge Group - 1 | Q1 | \$3M |
| District 12 Slide Projects | Q1 | \$1M-\$3M |
| District 12 Bridge Group - 2 | Q2 | \$3M |
| General Open End | Q2 | \$500K-\$1M |

Later in 2025

Additional Local Bridge Projects
Additional Open-End Agreements

ACEC PRESENTATION “LESSONS LEARNED”

WILLIAM L. BEAUMARIAGE, P.E., ADE-C

APRIL 4, 2025



Pennsylvania
Department of Transportation

RECOGNIZING SIGNS OF MENTAL HEALTH ISSUES IN THE CONSTRUCTION INDUSTRY

Signs to Look Out For:

1. Mood Swings
2. Decreased Productivity
3. Isolation from Coworkers
4. Increased Conflict with Peers
5. Risk-Taking Behaviors
6. Showing Up Late
7. Difficulty Concentrating
8. Excessive Use of Alcohol or Drugs



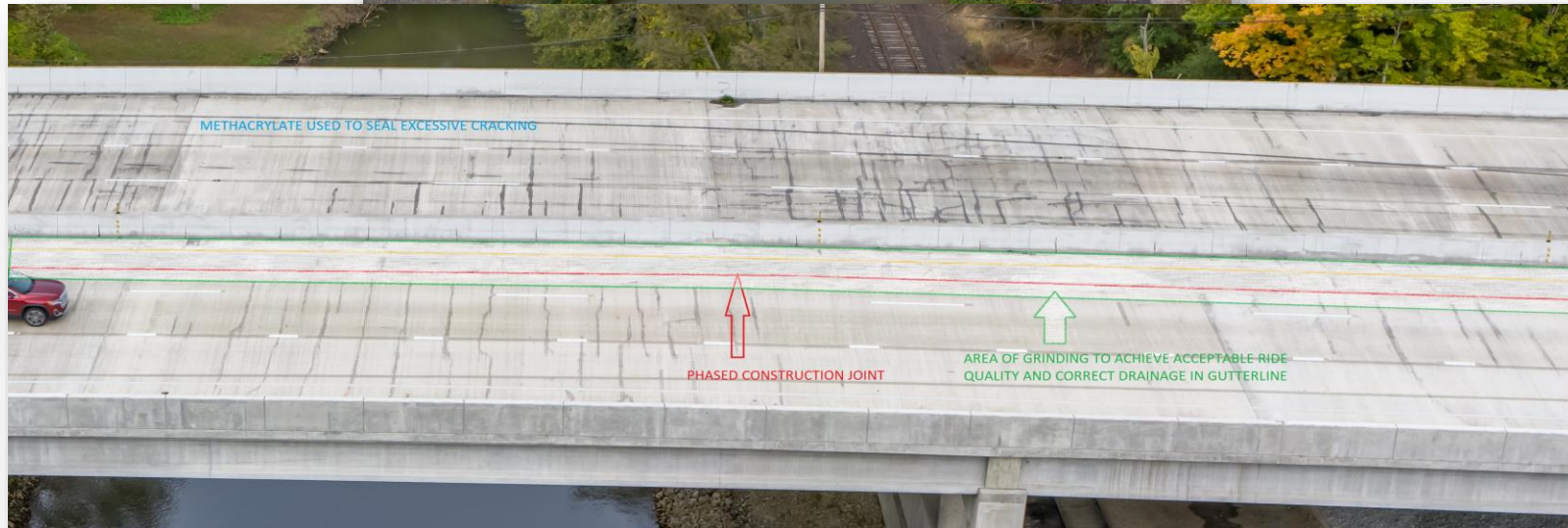
Resources for Support:

- Construction Working Minds: This website provides training on mental health and suicide prevention.
- Construction Industry Alliance for Suicide Prevention (CIASP): CIASP offers suicide-prevention resources specifically tailored to construction professionals.
- Crisis Text Line: Text "HEAL" to 741741 for immediate support
- Suicide Prevention Lifeline: Call 1-800-273-TALK (8255) for assistance. Call or texting 988 is also a new option!

PREVIOUSLY OVERCOATED STRUCTURES (CARUSO – E10)



DECK PLACEMENT FOR HALF WIDTH CONSTRUCTION (CARUSO – L10)



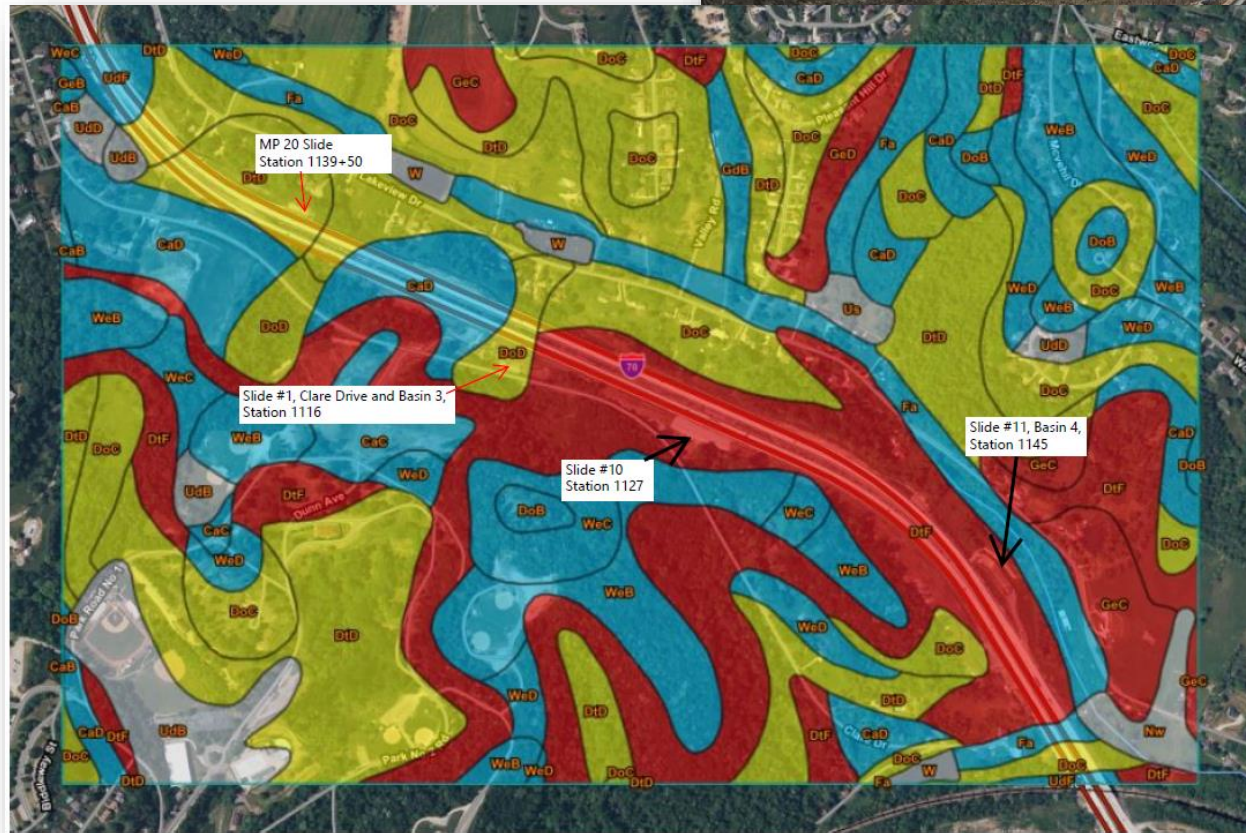
DECK PLACEMENT FOR HALF WIDTH CONSTRUCTION (CARUSO – L10)



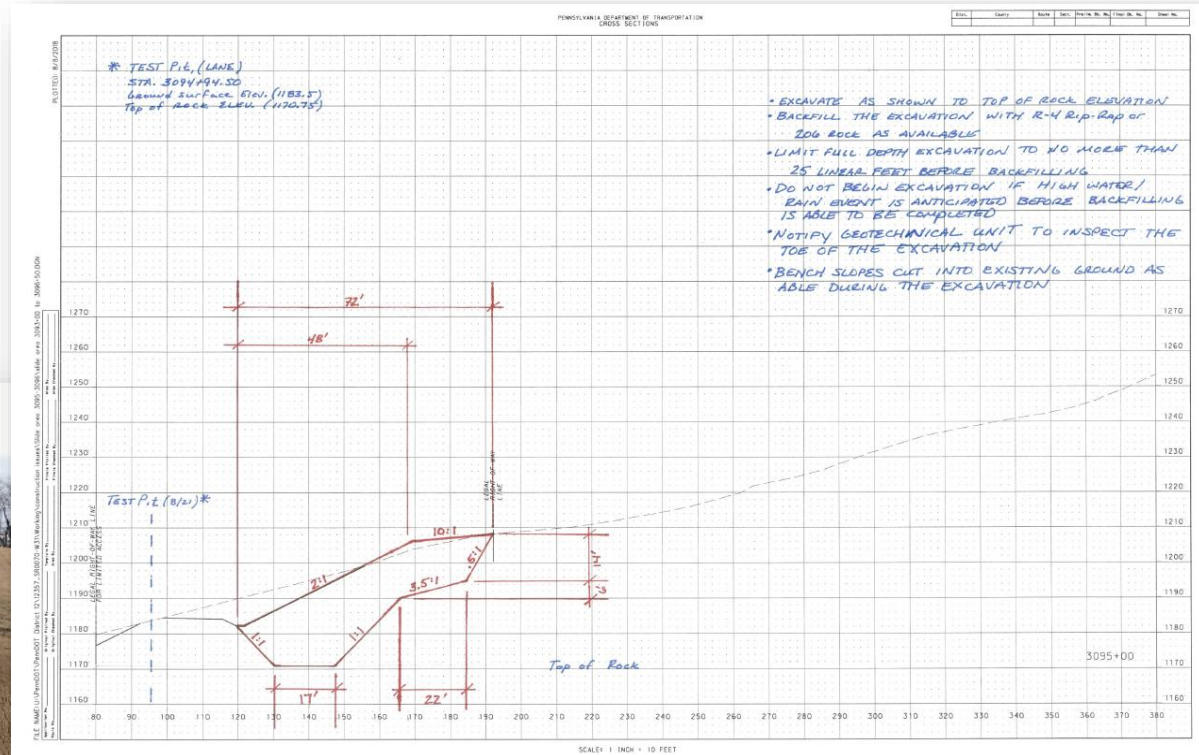
JOINT CRACKING WITH INLAY PAVEMENT MARKERS (CARUSO – L10)



GEOTECHNICAL EXPLORATION IN SLIDE PRONE AREAS (PAINTER – T10)



LIMIT OVERSTEEPING OF SLOPES (PAINTER)



STORMWATER POND LAYOUT AND GEOTECHNICAL WORK (FAIETA)



GEOTECHNICAL EXPLORATION IN SLIDE PRONE AREAS (PAINTER – T10)



VEGETATION GROWTH ISSUES



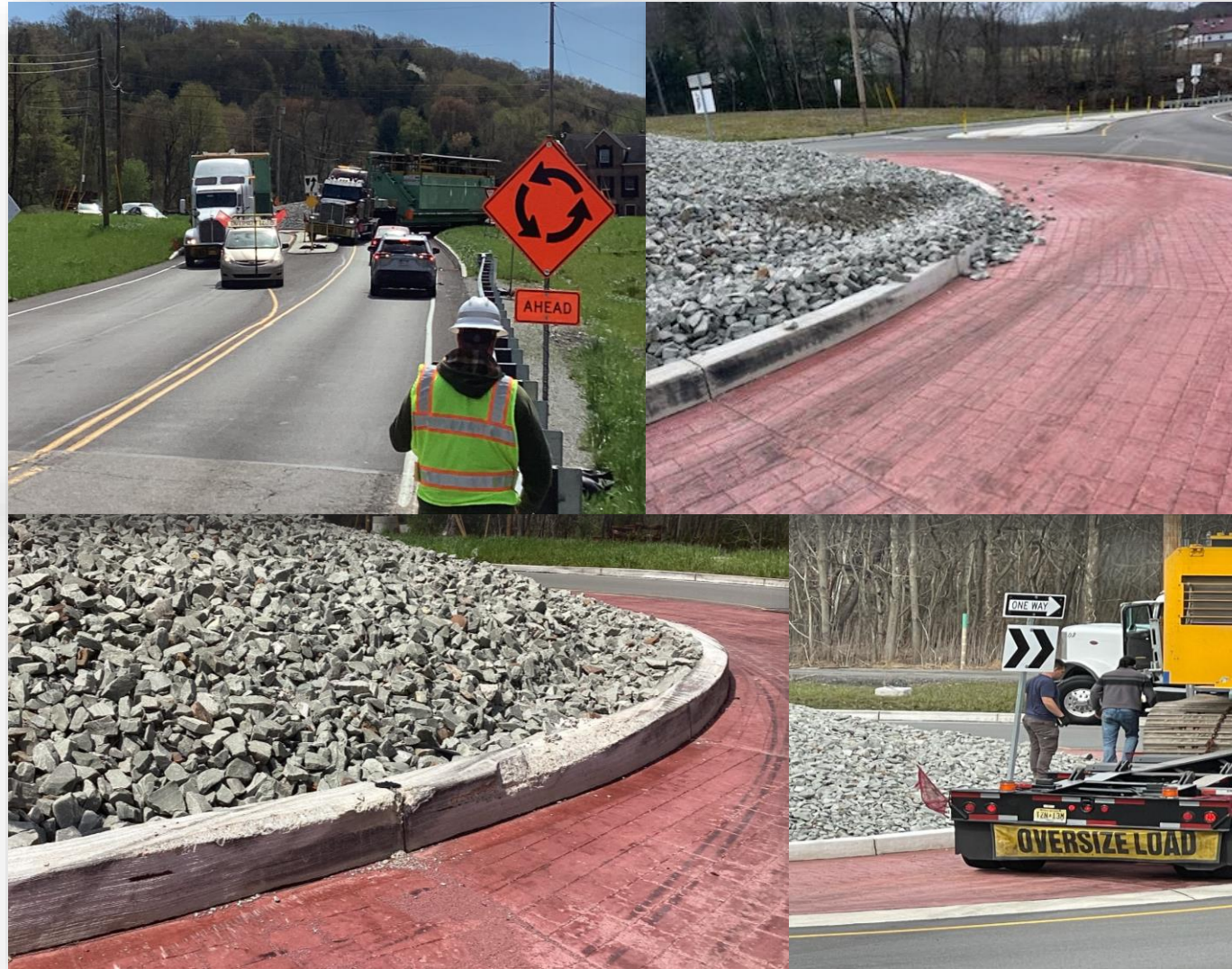
SUBGRADE STABILIZATION (CARUSO – E10)



GEOTECHNICAL EXPLORATION AND UNSUITABLE MATERIAL (CARUSO NEW STANTON / E10)



ROUNDAABOUTS & PERMIT VEHICLES (KMETZ – 356)



ROUNDBABOUTS & PERMIT VEHICLES (KMETZ – 356)



ROUNDBABOUTS & STAMPED CONCRETE (KMETZ/CARUSO)



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Pennsylvania
Department of Transportation

THANK YOU

**We consider our Business Partners to be
part of our team!**

Thank
You!

