



# PENNDOT DISTRICT 9 COMMUNITY OUTREACH

VINCENT S. GREENLAND, P.E.  
DISTRICT EXECUTIVE

# AGENDA

## **Vince Greenland**, District Executive

- Greeting and Introductions/Agenda Summary
- Transportation Update

## **Dave Wolfhope**, Assistant Construction Engineer

- Construction Project Update
- Overview for 2026 Construction Season

## **Rodney Mock**, County Maintenance Manager

- Winter Wrap-up
- County Funded Improvements

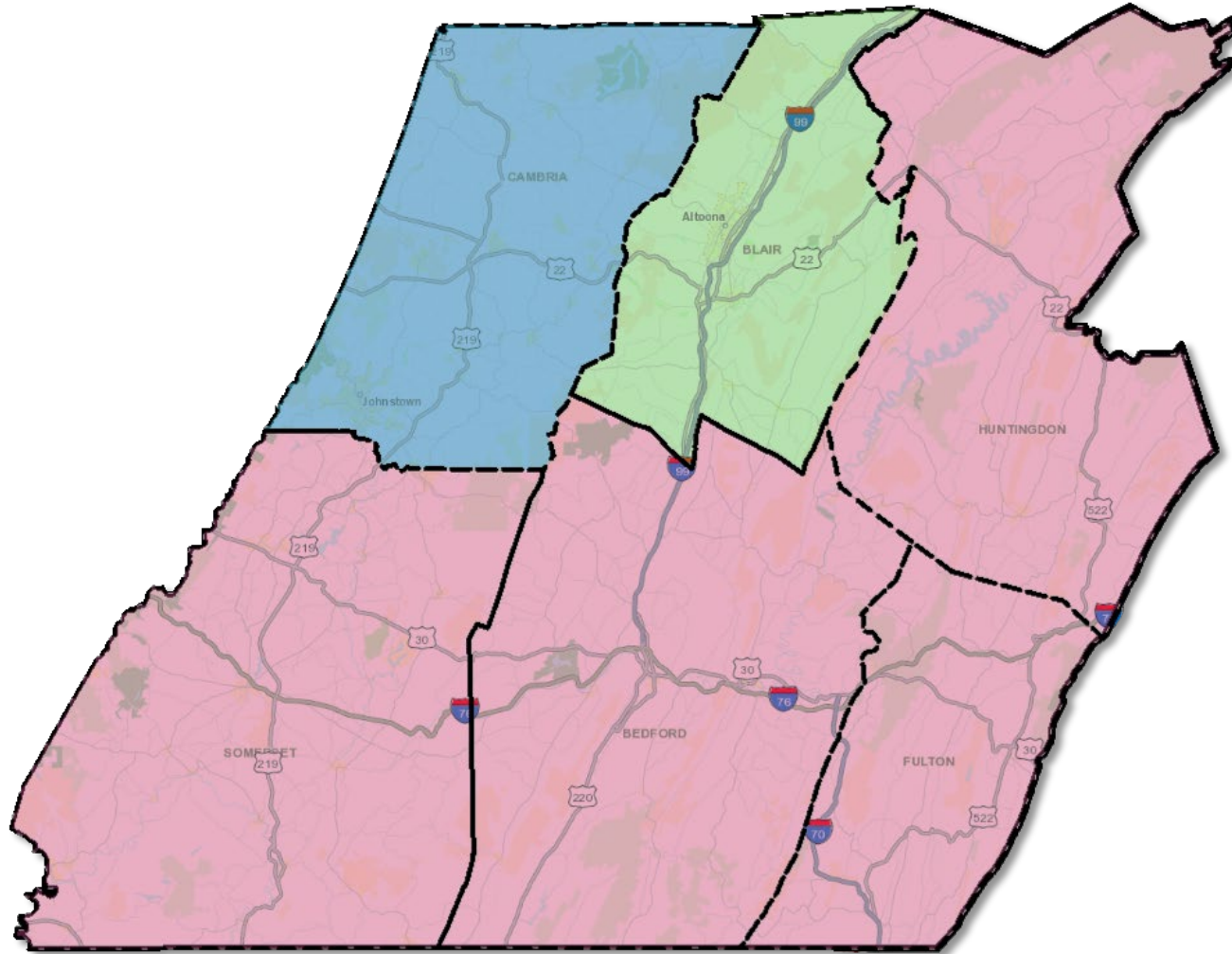
## **James Pruss**, Assistant District Executive, Design

- Bridge Maintenance
- Future Projects

## **Jason Graham**, Recreation Coordinator, BCDA

*Question and Answer Session*

# DISTRICT 9: OVERVIEW



6 Counties

3 Planning Partners

- Altoona MPO
- Johnstown MPO
- Southern Alleghenies RPO

883 Employees

2,565 Bridges

- 2,100 State Bridges
- 465 Local Bridges

4,004 Miles of Roadway

# 2027 PROGRAM OVERVIEW & CHALLENGES

# ASSET CONDITION

## State Route System

	Statewide	Districtwide	Southern Alleghenies	Cambria County	Blair County
Poor IRI, miles (%)	9,637 (22.0%)	604 (15.0%)	466 (17.3%)	104 (14.0%)	34 (6.0%)
Poor Bridge, # (%)	2,057 (8.1%)	107 (5.1%)	96 (6.6%)	6 (1.8%)	5 (1.5%)

## Additional Statistics

### Bridges Districtwide

- Total: 2,100
- Average Age: 50 years

### Roadways Districtwide

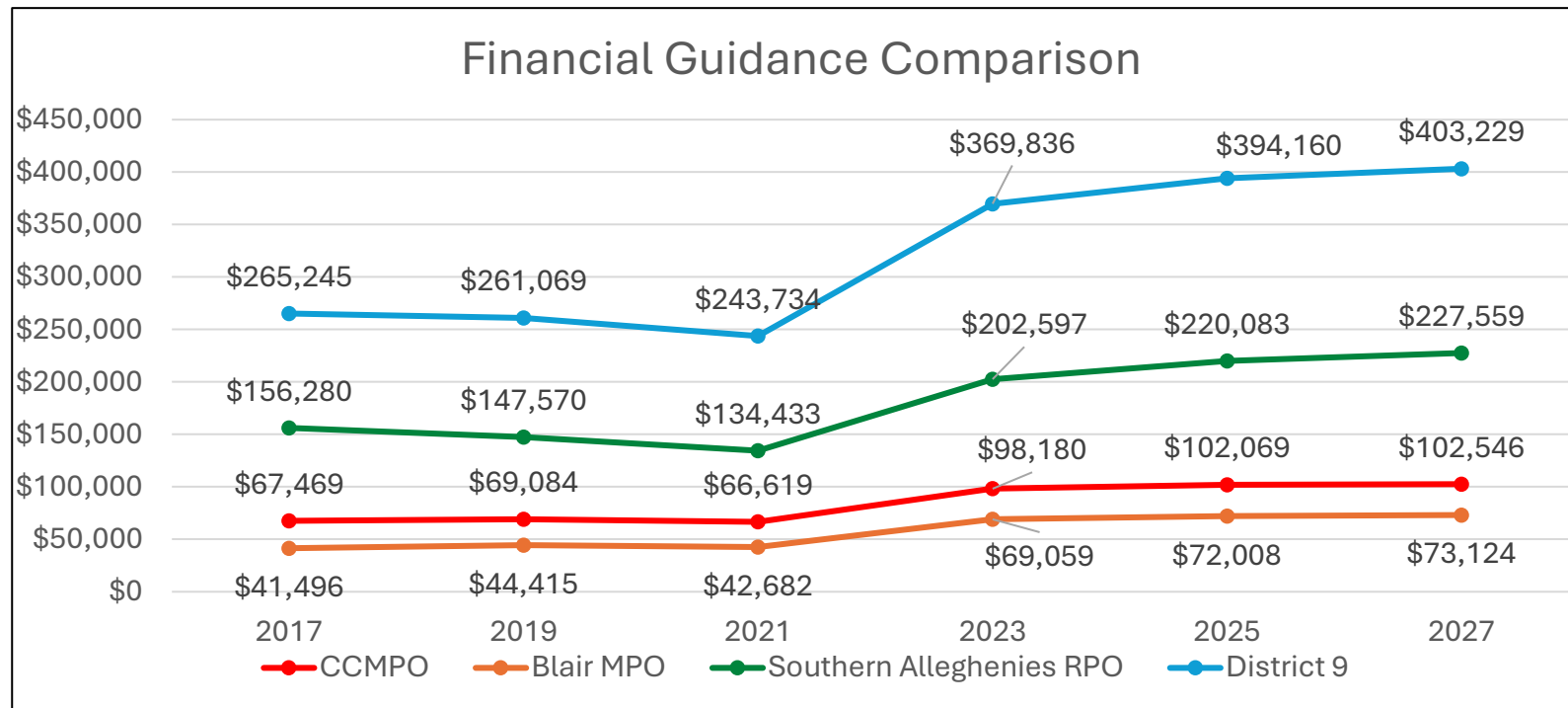
- Total Miles: 4,004
- Average Year Built: 1952
- Average Resurfacing Year: 2014

\*The 2 oldest state bridges in District 9 are masonry stone arches that carry Route 53 in Cambria County. Both were built in 1832 and rehabbed in 2019 and 2020. Neither are in Poor condition.



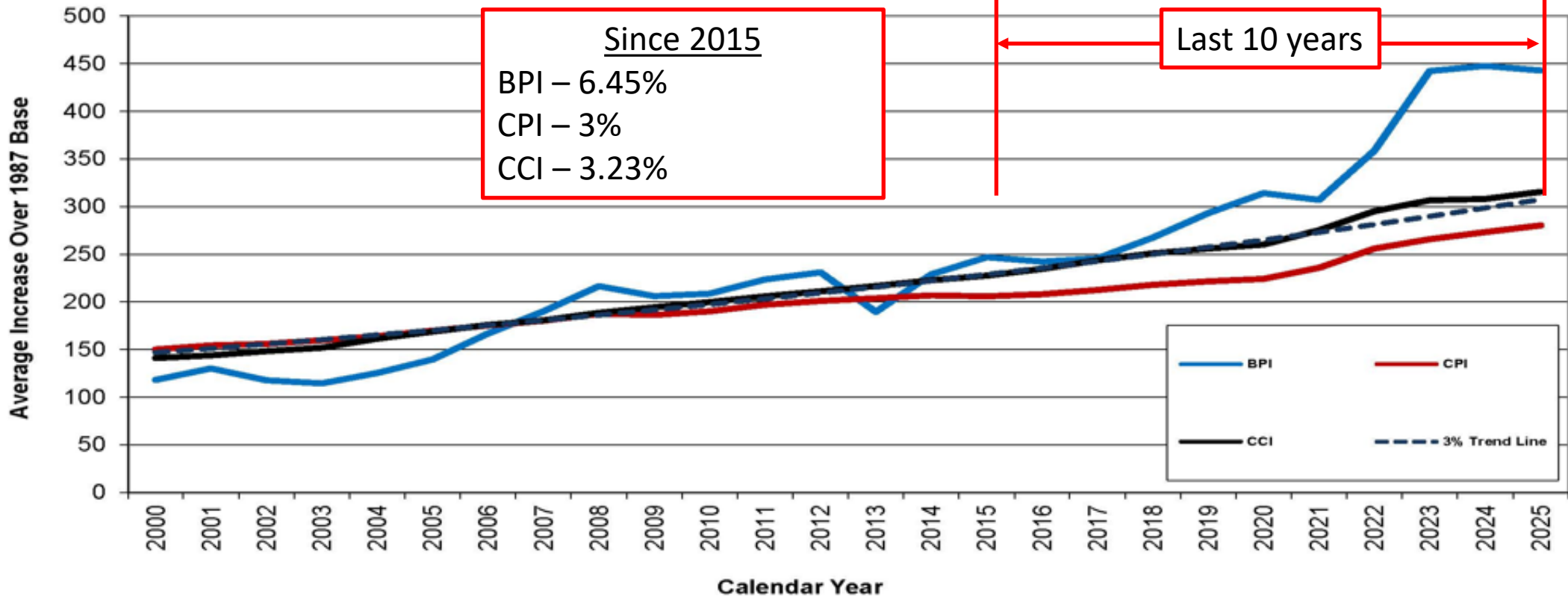
# TIP FINANCIAL GUIDANCE COMPARISON

Planning Region	2017 TIP (000's)	2019 TIP (000's)	2021 TIP (000's)	BIL			2025-2027 TIP Difference	
				2023 TIP (000's)	2025 TIP (000's)	2027 TIP (000's)	\$ (000's)	%
CCMPO	\$ 67,469	\$ 69,084	\$ 66,619	\$ 98,180	\$ 102,069	\$ 102,546	\$ 477	0.5%
Blair MPO	\$ 41,496	\$ 44,415	\$ 42,682	\$ 69,059	\$ 72,008	\$ 73,124	\$ 1,116	1.5%
S Alleghenies RPO	\$ 156,280	\$ 147,570	\$ 134,433	\$ 202,597	\$ 220,083	\$ 227,559	\$ 7,476	3.4%
<b>District 9-0</b>	<b>\$ 265,245</b>	<b>\$ 261,069</b>	<b>\$ 243,734</b>	<b>\$ 369,836</b>	<b>\$ 394,160</b>	<b>\$ 403,229</b>	<b>\$ 9,069</b>	<b>2.3%</b>



# INFLATION INDICIES

Inflation Indices - 2000 to 2025  
thru 12/31/2025



# TYPICAL SMALL BRIDGE PROJECT

The Cost to make a Project Shovel Ready:

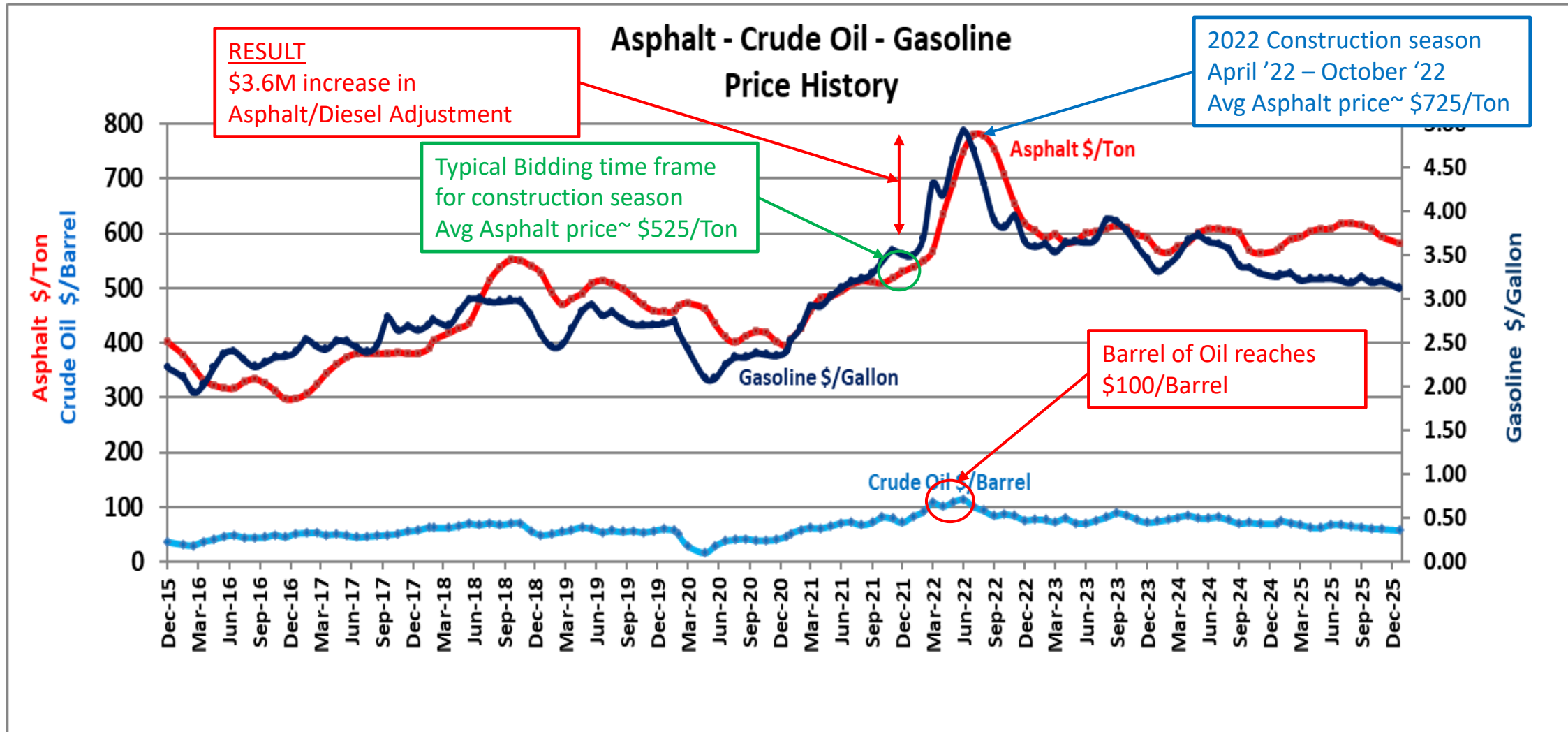
**Avg Construction: \$1,000,000**

**Average Pre-Construction Costs:**

- Preliminary Engineering: \$250k - \$300K
- Final Design: \$170k - \$200K
- Utilities/ROW Acquisition: \$20k - \$50k
- Inspection/WO/Management: \$120k - \$150k
- Average Total: 65% (\$560k - \$700k)



# ASPHALT – CRUDE OIL – GASOLINE

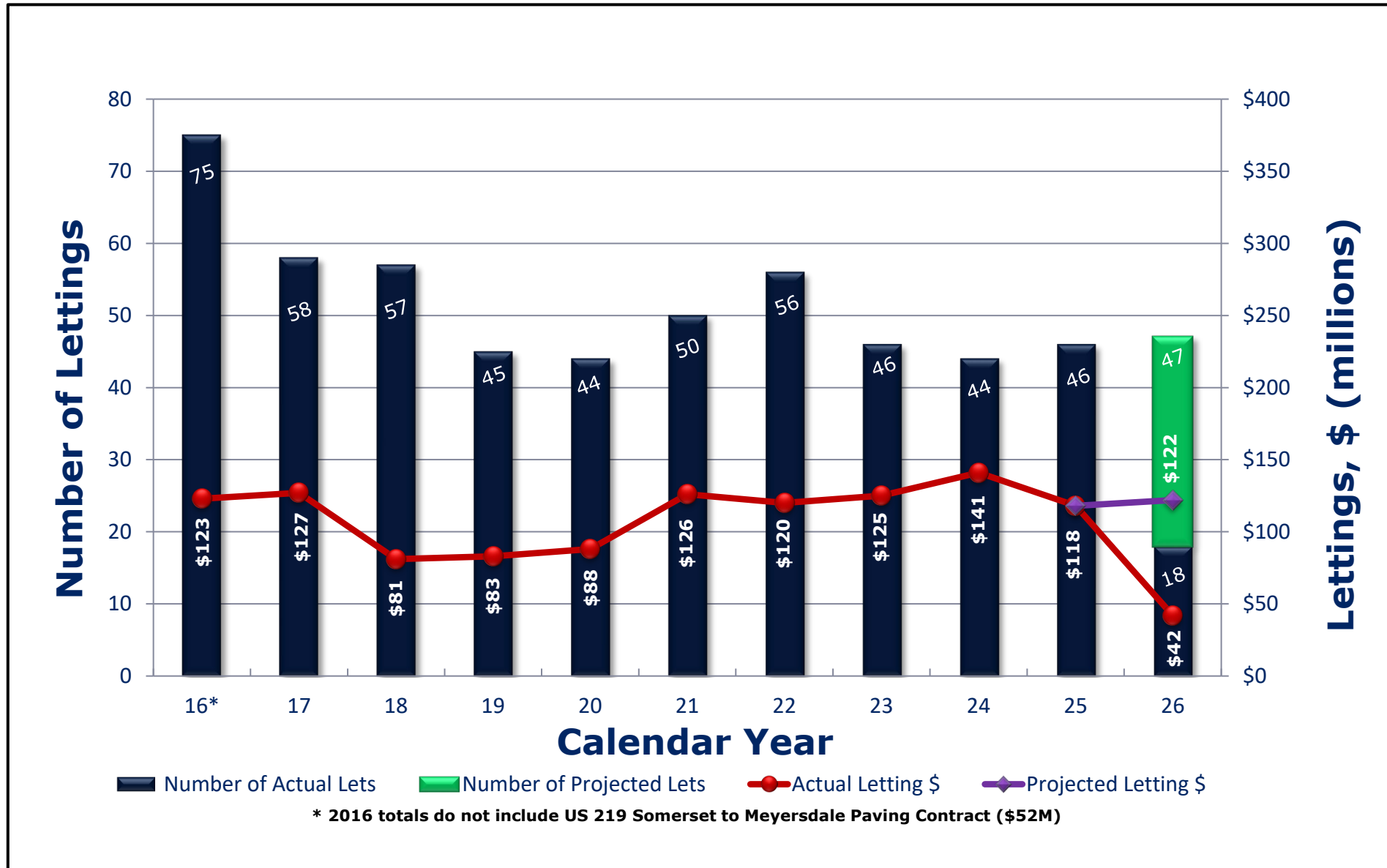


# 2024-2026 CY BID OPENINGS

	2024	2025	2026
Construction Estimate	\$141 million	\$118 million	\$122 million
Bid Count	44	46	47
Miles Resurfaced	147	74	93
Number of Bridges	64	48	63
Safety Projects	7	10	10



# DISTRICT 9-0 PROJECT LETTINGS



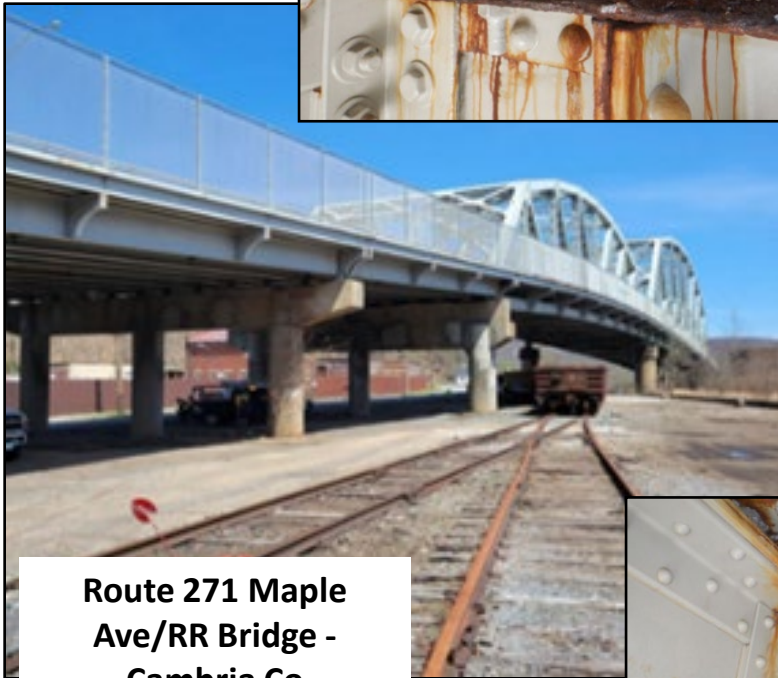
# Bridge Challenges



# LONG TERM PLANNING - MAJOR BRIDGES



- 56 State-owned major bridges
  - 2.67% of State-owned Bridges
  - 28% of Deck Area
- 6 bridges (10.7%) will be reaching the end of useful life within the next 10 years



Route 271 Maple Ave/RR Bridge - Cambria Co

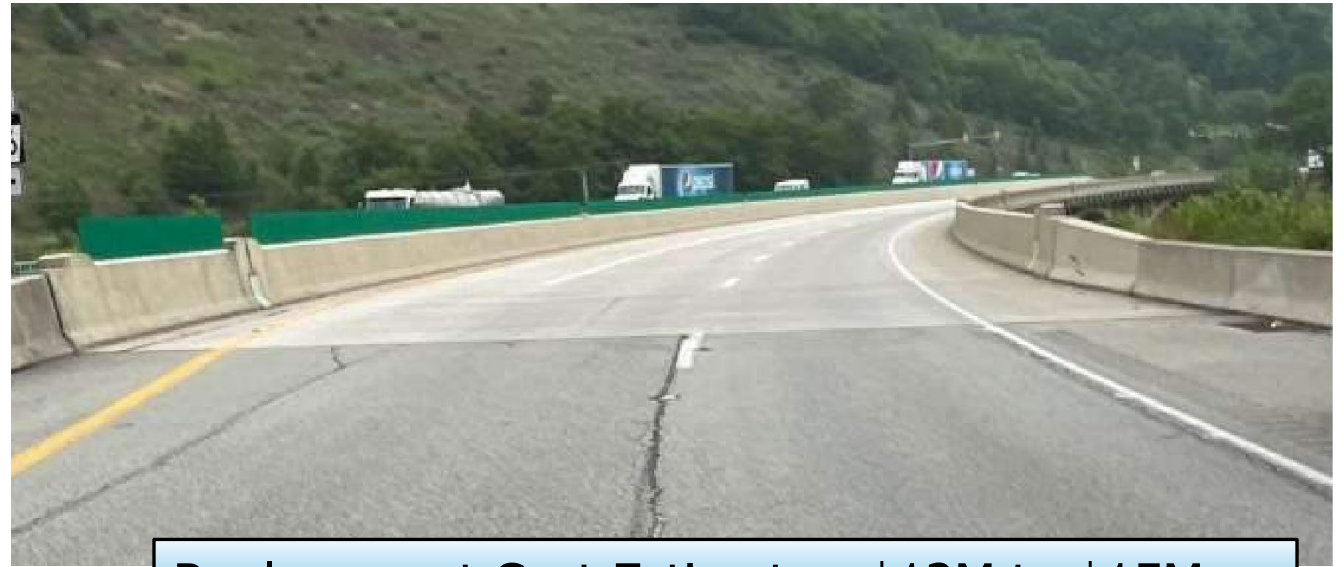
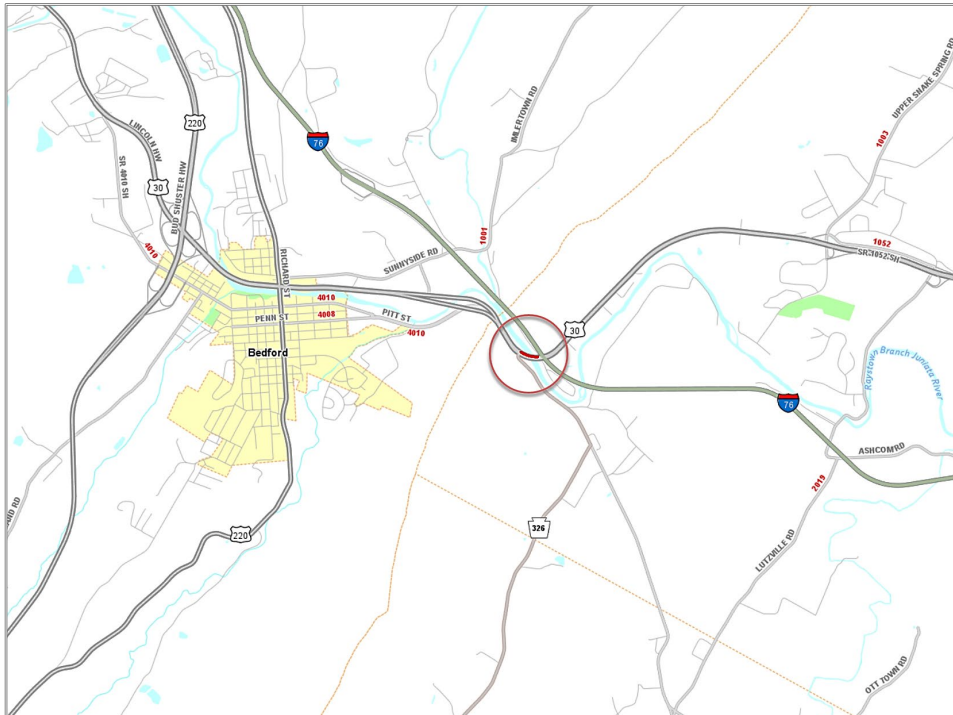


U.S. 22 Alfarata Bridge - Huntingdon Co

# U.S. 30 NARROWS BRIDGE - BEDFORD COUNTY

## Features:

- Over Raystown Branch of the Juniata River Snake Spring Twp, Bedford Co
- Built: 1935
- Spans / Length: 5 Spans / 599' Long
- Width: 45.3'
- Traffic Volume: 9,370 vehicles per day



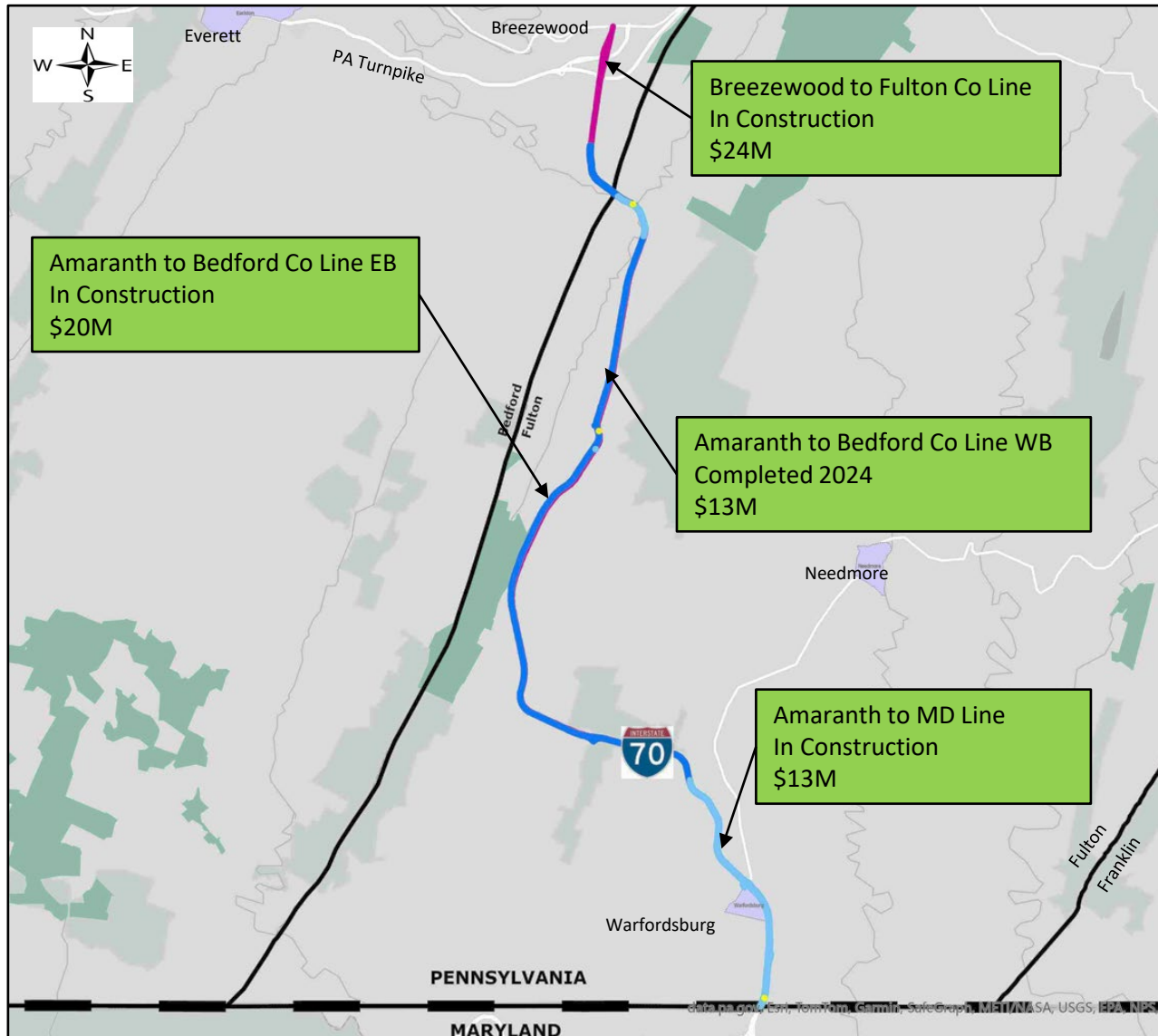
Replacement Cost Estimate: \$12M to \$15M



# Roadway Challenges

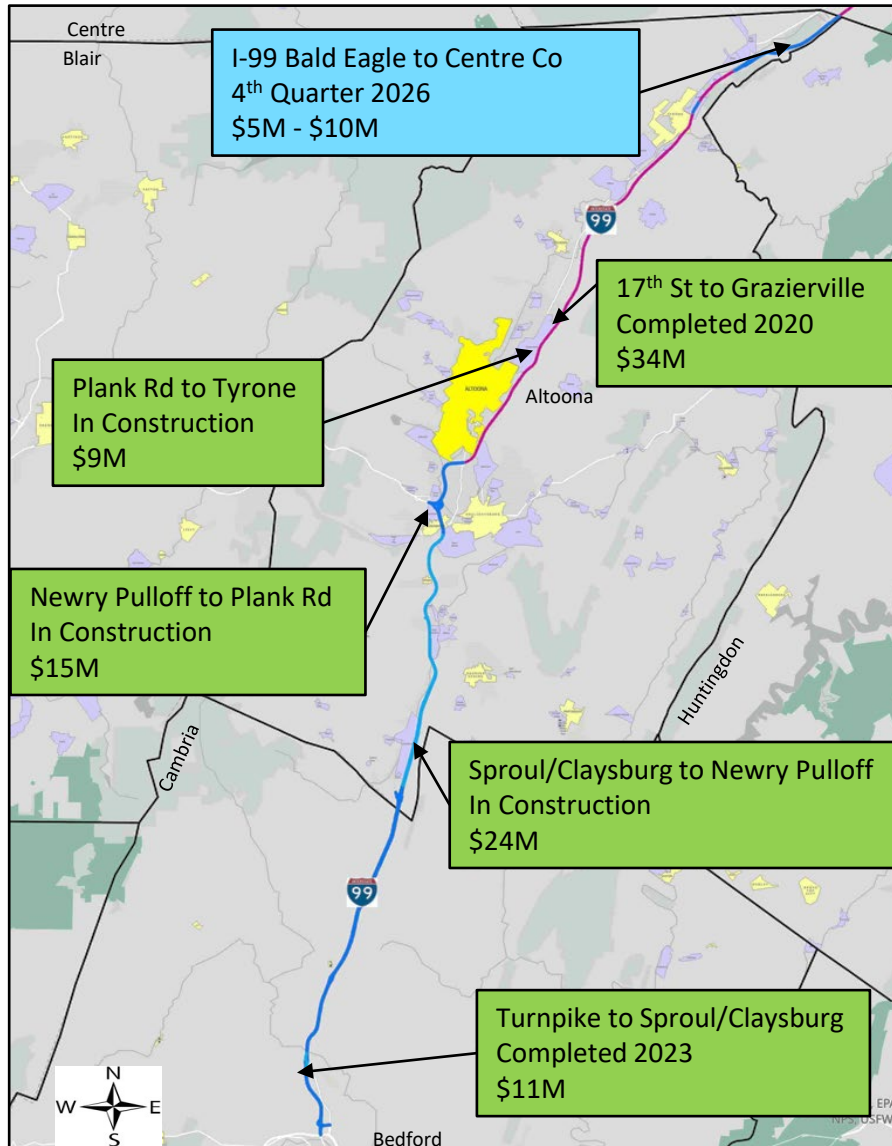


# I-70 CORRIDOR INVESTMENTS



**Total Investments: \$70M**

# I-99 CORRIDOR INVESTMENTS

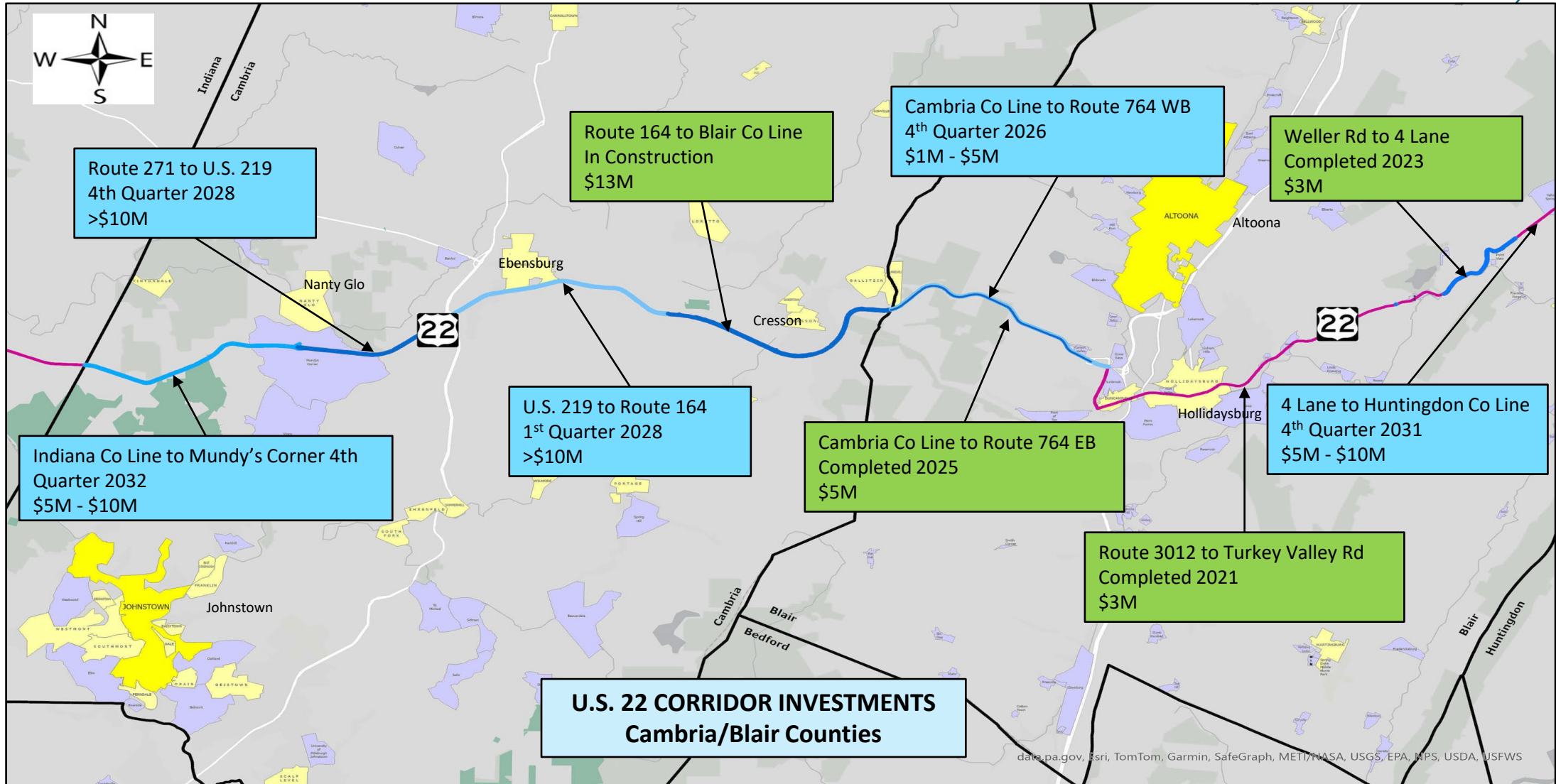


**Previous Investments: \$93M**

**Programmed Investments: \$5M - \$10M**

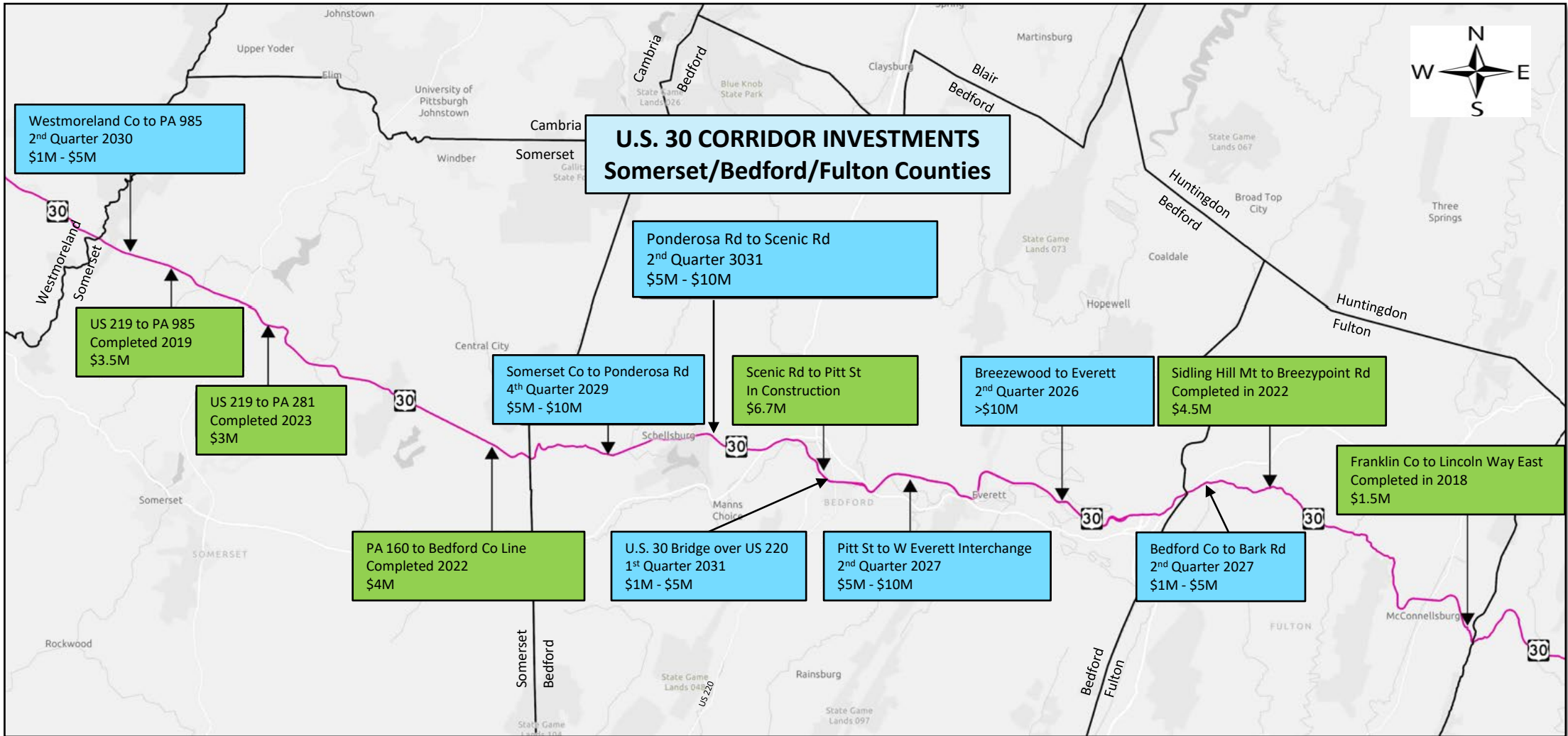
**Total Investments: \$98M - \$103M**

# U.S. 22 CORRIDOR INVESTMENTS



**Previous Investments: \$24M**      **Programmed Investments: \$40M - \$45M**      **Total Investments: \$64M - \$69M**

# U.S. 30 CORRIDOR INVESTMENTS

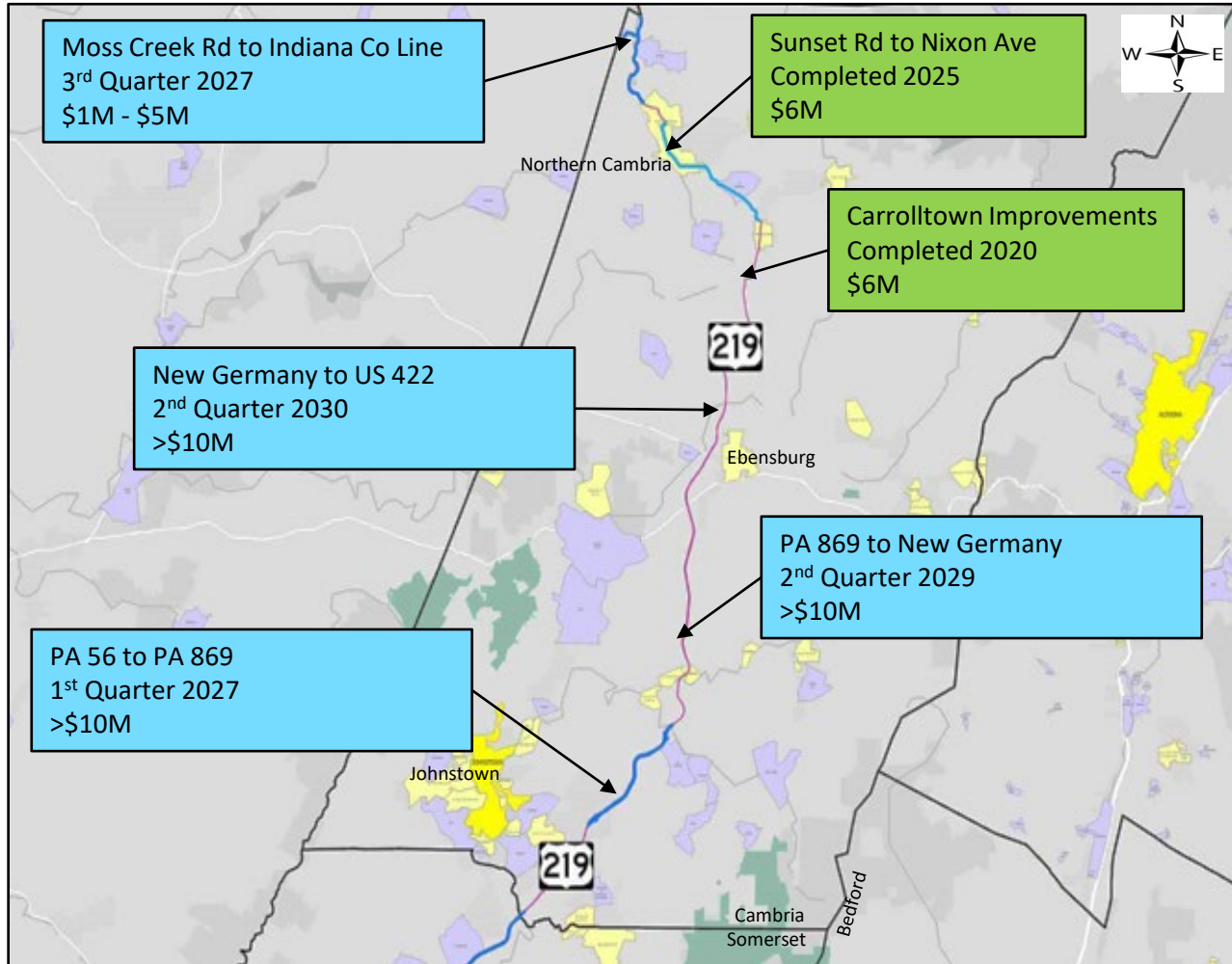


**Previous Investments: \$23M**

**Programmed Investments: \$45M - \$50M**

**Total Investments: \$68M - \$73M**

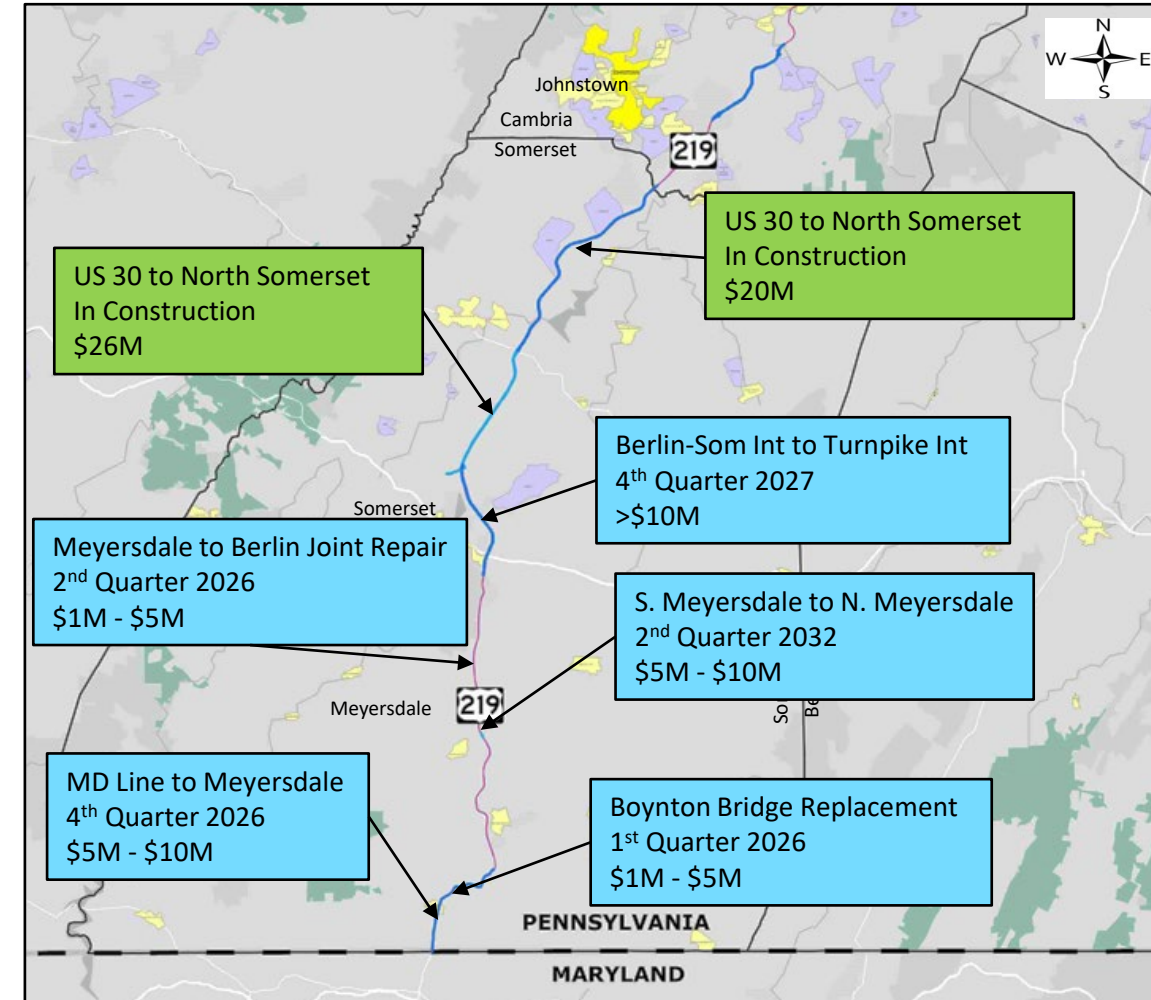
# U.S. 219 CORRIDOR INVESTMENTS



## CAMBRIA COUNTY

Previous Investments: \$52M

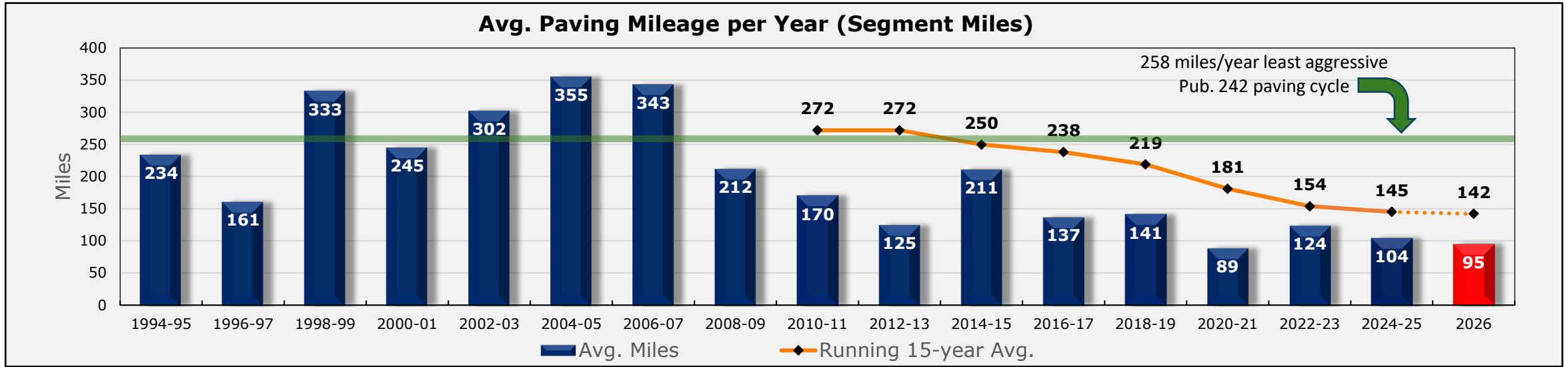
Programmed Investments: \$82M - \$92M



## SOMERSET COUNTY

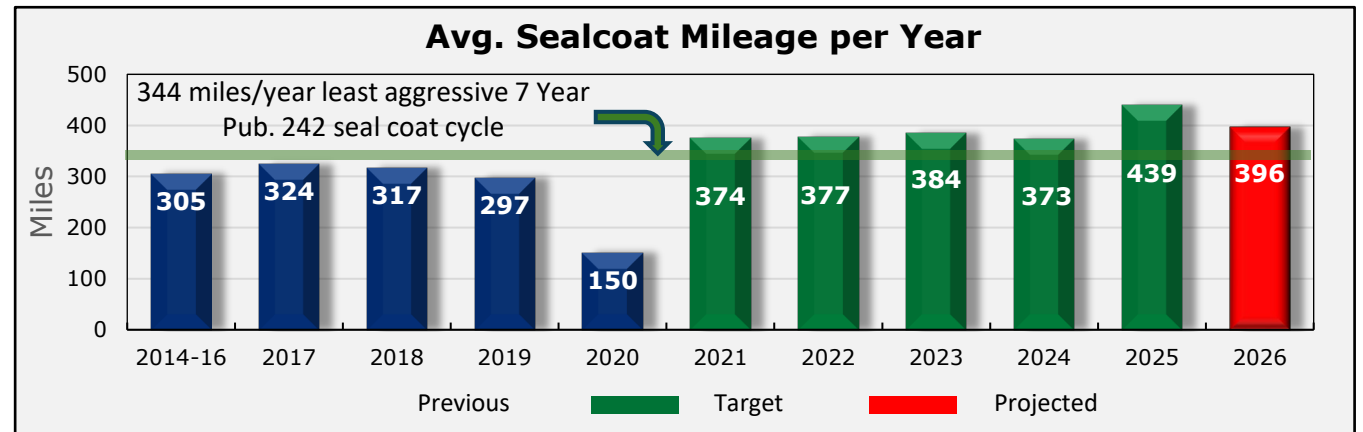
Total Investments: \$134M - \$144M

# ASSET MANAGEMENT UPDATE & FUTURE PLANS - ROADWAY



## CHALLENGES

- 409 funds have traditionally funded much of our asphalt paving
- Higher costs for contracted asphalt paving
- Balancing priorities for drainage, guiderail, ADA, tree trimming, sign updates, safety, geotechnical while still paving as much mileage as practical
  - Early 2000's maintenance funded resurfacing ~ 90% of funds went directly into paving
  - Current maintenance funded resurfacing ~ 60-65% of funds going to paving (35-40% for other priority work)



## FUTURE PLANS

- Continue to pursue more seal coats and other low cost treatments to stretch the dollars and maintain pavement assets
- Perform prep work with maintenance forces on BPN 3 and 4 prior to paving contracts to save costs

# Safety



# DISTRICT 9-0 HIGHWAY SAFETY IMPROVEMENT PROJECTS

Altoona MPO: \$1,241,750/year

Johnstown MPO: \$1,081,750/year

Southern Alleghenies: \$1,553,500/year

Statewide Reserve (Set Aside): \$35,000,000/year

Somerset Route 160 MPMS 123225 has been approved in April '26 for \$ 141,000 Southern Alleghenies Regional Funding. This will replace existing High Friction in '26 through a curve cluster area.

Blair Route 36 & Route 2004 Intersection MPMS 120468 has been approved in March '26 for \$4,432,381 of Blair Regional Funding. This is intended to construct a roundabout in '30 to counter Angle Crash Cluster Location.

Blair Business U.S. 220 & Stadium Drive MPMS 123310 has been approved in Nov '25 for \$389,972. This will construct a traffic signal in '26 to counter Angle Crash Cluster location.

Southern Alleghenies 2025 HFST MPMS 120856 was completed in '25. \$3,353, 629 of Regional funding was used to construct this project in '25.



# BE SAFE ON OUR ROADWAYS!



**Be Safe PA.**  
Speed limits protect everyone.  
Slow Down, Save a Life

**SPEED LIMIT 35**

 [www.PennDOT.gov/Safety](http://www.PennDOT.gov/Safety)  
PA 2019/2020 New Driver's License Series





**Be Safe PA.**

Impaired driving crashes  
are 100% preventable.  
Don't Drive Impaired

**Best Dad Ever**

PA 2019/2020 New Driver's License Series



**Be Safe PA.**

In a moment like this,  
seat belts save lives.  
Don't Drive Unbuckled

PA 2019/2020 New Driver's License Series





**Be Safe PA.**

Distractions are everywhere.  
Don't Drive Distracted

PA 2019/2020 New Driver's License Series

AASHTO TransComm 2020 Award: Marketing/Advertising  
(Print and Electronic Marketing)



# BEDFORD COUNTY CONSTRUCTION PROJECTS

DAVID S. WOLFHOPE, P.E.

ASSISTANT CONSTRUCTION ENGINEER



Pennsylvania  
Department of Transportation

# **AWARDED CONTRACTS**



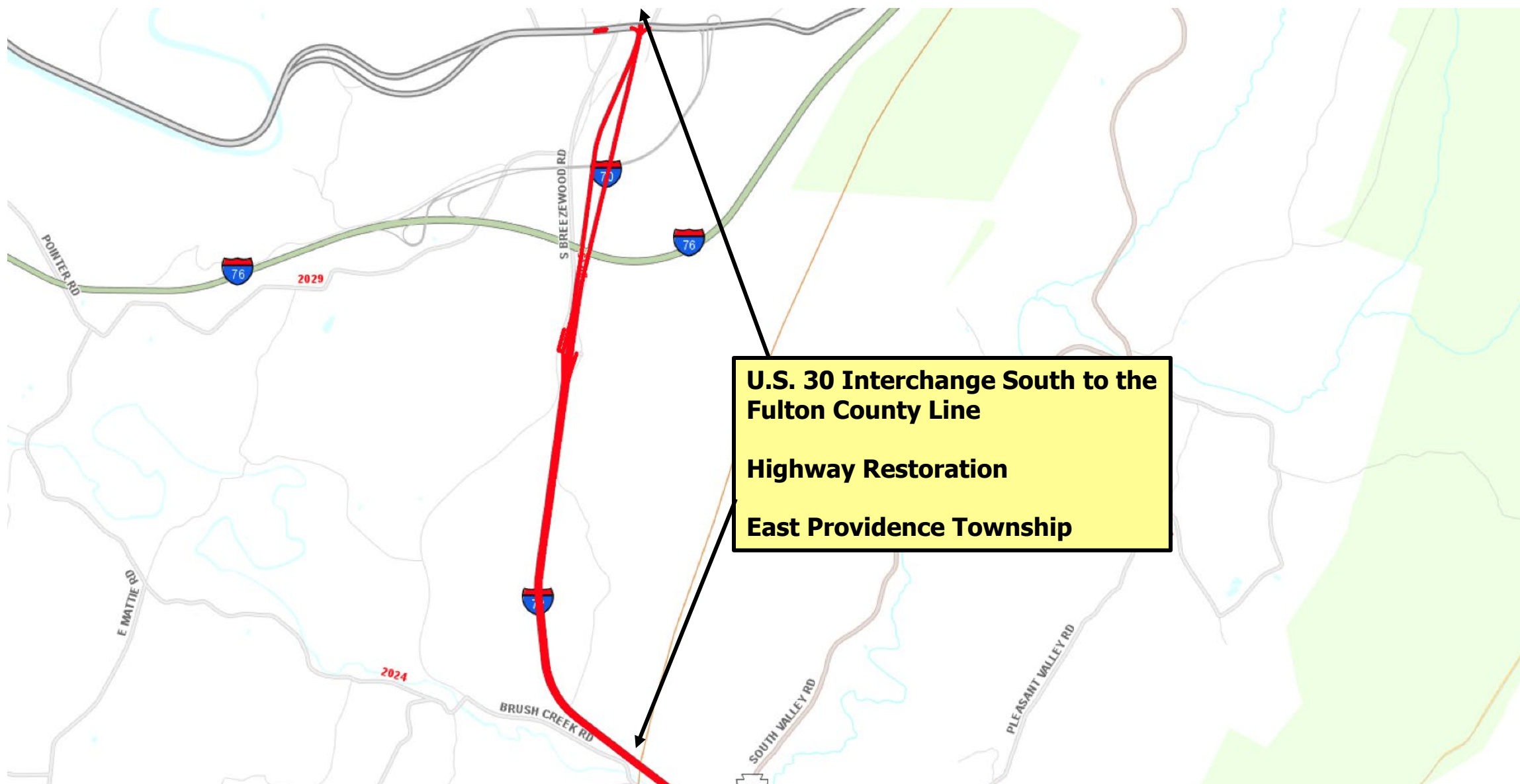
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Department of Transportation

# BREEZEWOOD TO FULTON COUNTY LINE



- Scope:** Pavement Preservation, Intersection Widening & Improvements, Auxiliary Lane Addition, Bridge Preservation, Signing Upgrades incl. 3 Overhead Sign Structures, Guiderail Upgrades, CMP Lining, Truck Traffic Signing Improvements
- Traffic Control:** Long-Term Lane Closure
- Construction Timeframe:** April 2026 – June 2026
- Contractor:** Cottle's Asphalt Maintenance, Inc.
- Current Contract:** \$24,167,967

# BREEZEWOOD TO FULTON COUNTY LINE

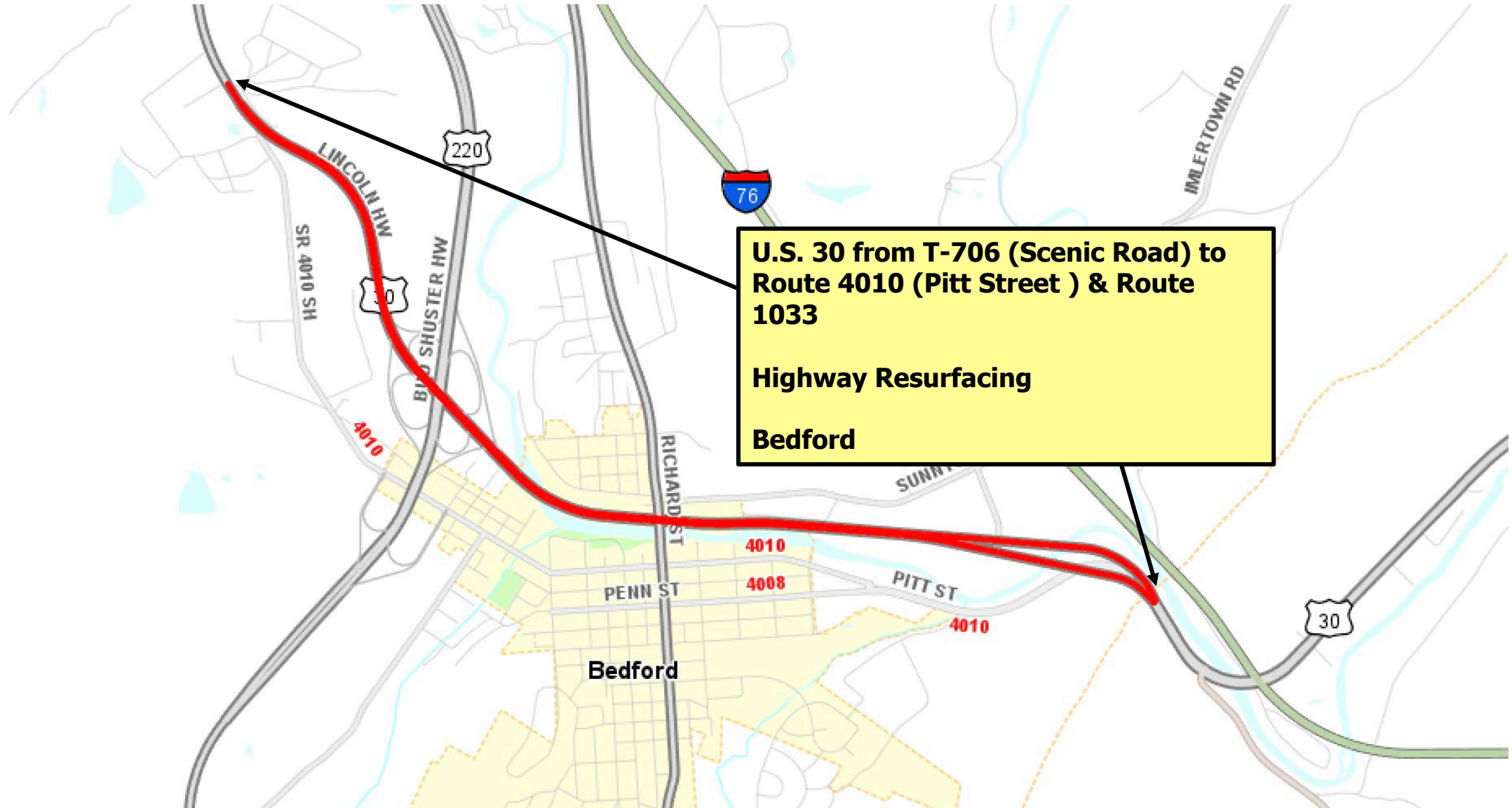


# U.S. 30 – SCENIC RD TO ROUTE 4010

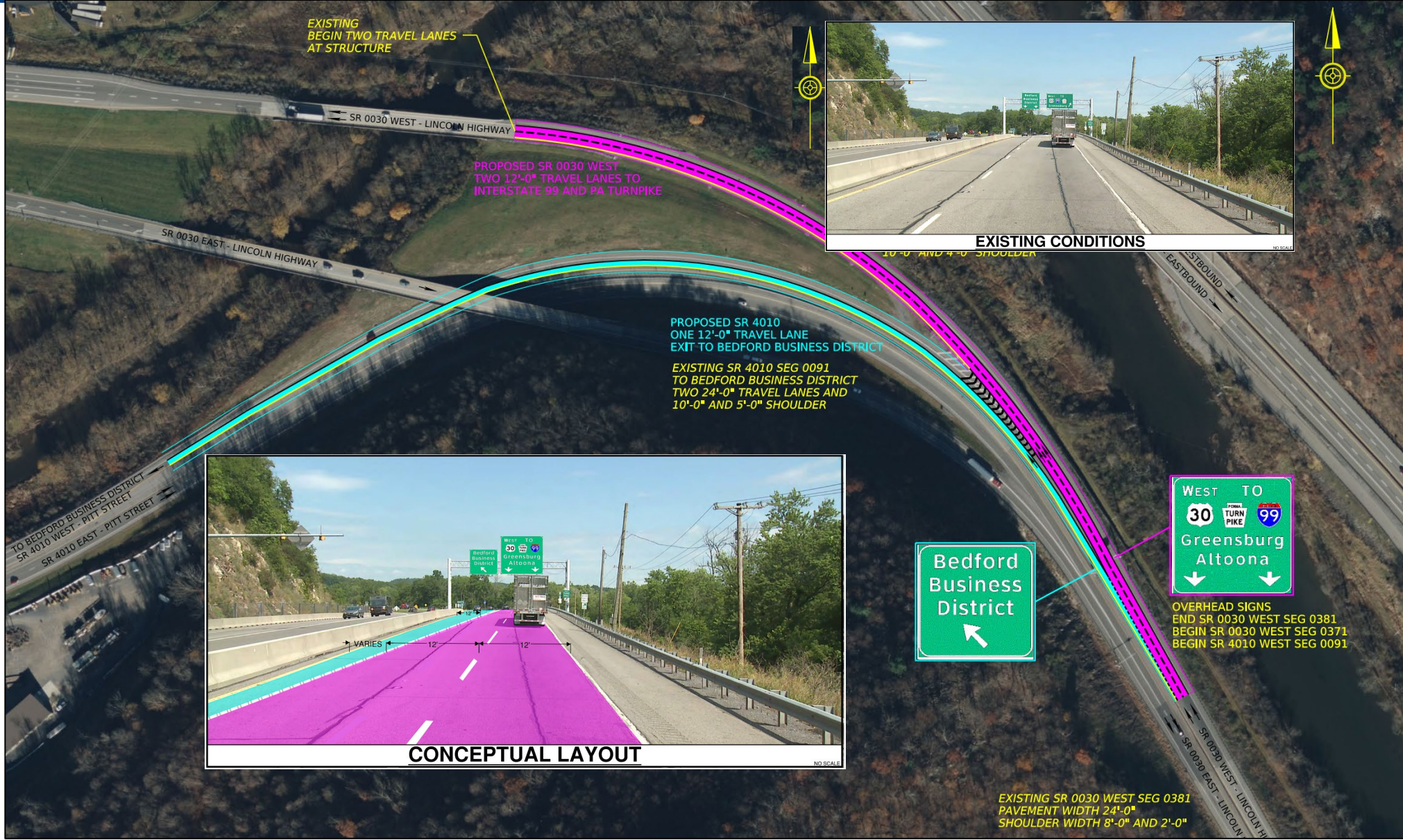


- Scope:** Pavement Resurfacing U.S.-30 (Lincoln Highway), T-706 (Scenic Road) to Route 4010 (Pitt Street), Route 1033 Improvements
- Traffic Control:** Long-Term Lane Closure & Short-Term Ramp Detours
- Construction Timeframe:** April 2026 – October 2026
- Contractor:** New Enterprise Stone & Lime Co., Inc.
- Current Contract:** \$6,059,067

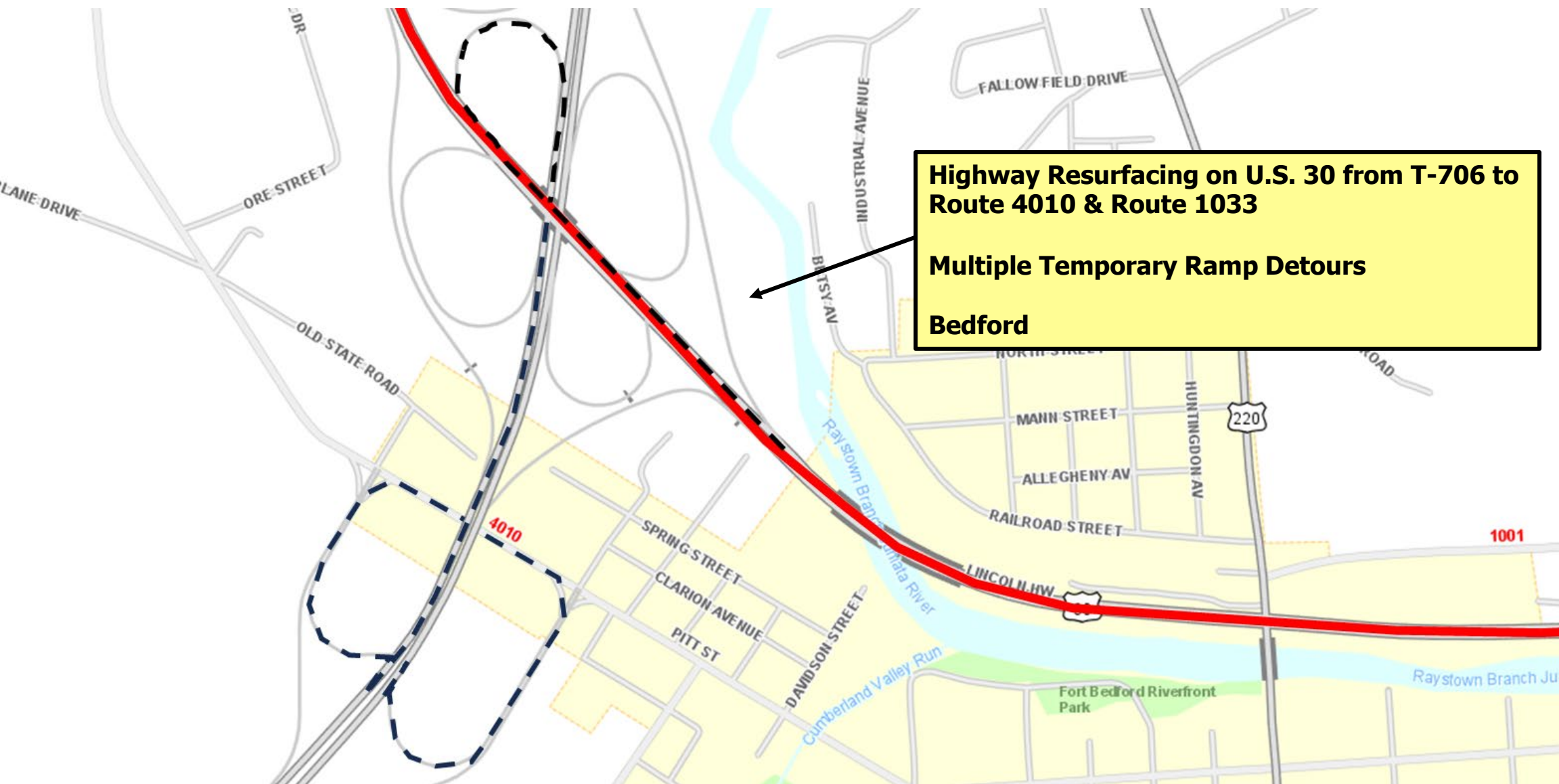
# U.S. 30 – SCENIC RD TO ROUTE 4010



# U.S. 30 - SCENIC DRIVE TO PITT STREET - LANE RECONFIGURATION



# U.S. 30 – SCENIC RD TO ROUTE 4010

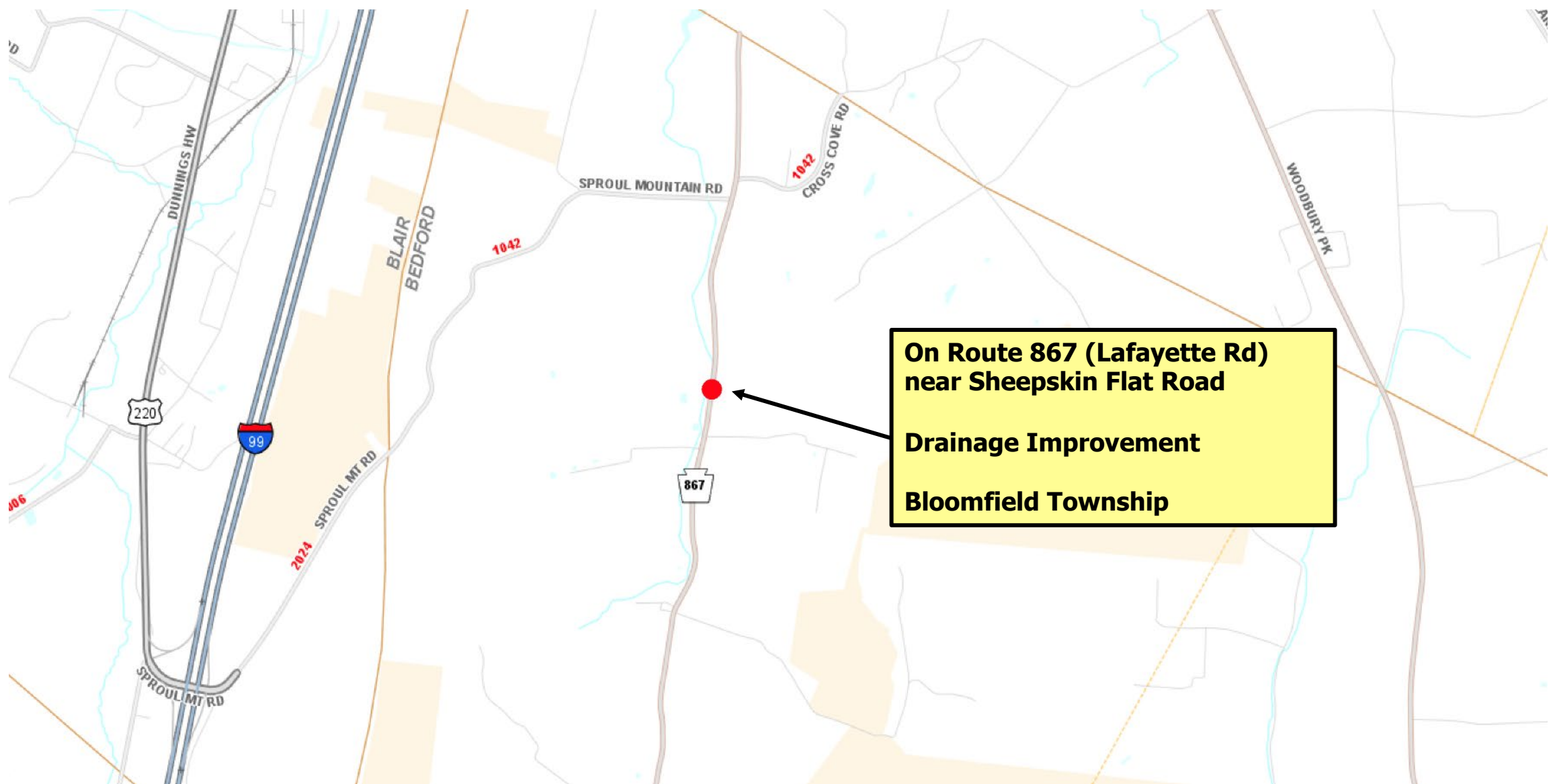


# ROUTE 867 SEG 180 DESIGN BUILD UNDER 8FT CULVERTS

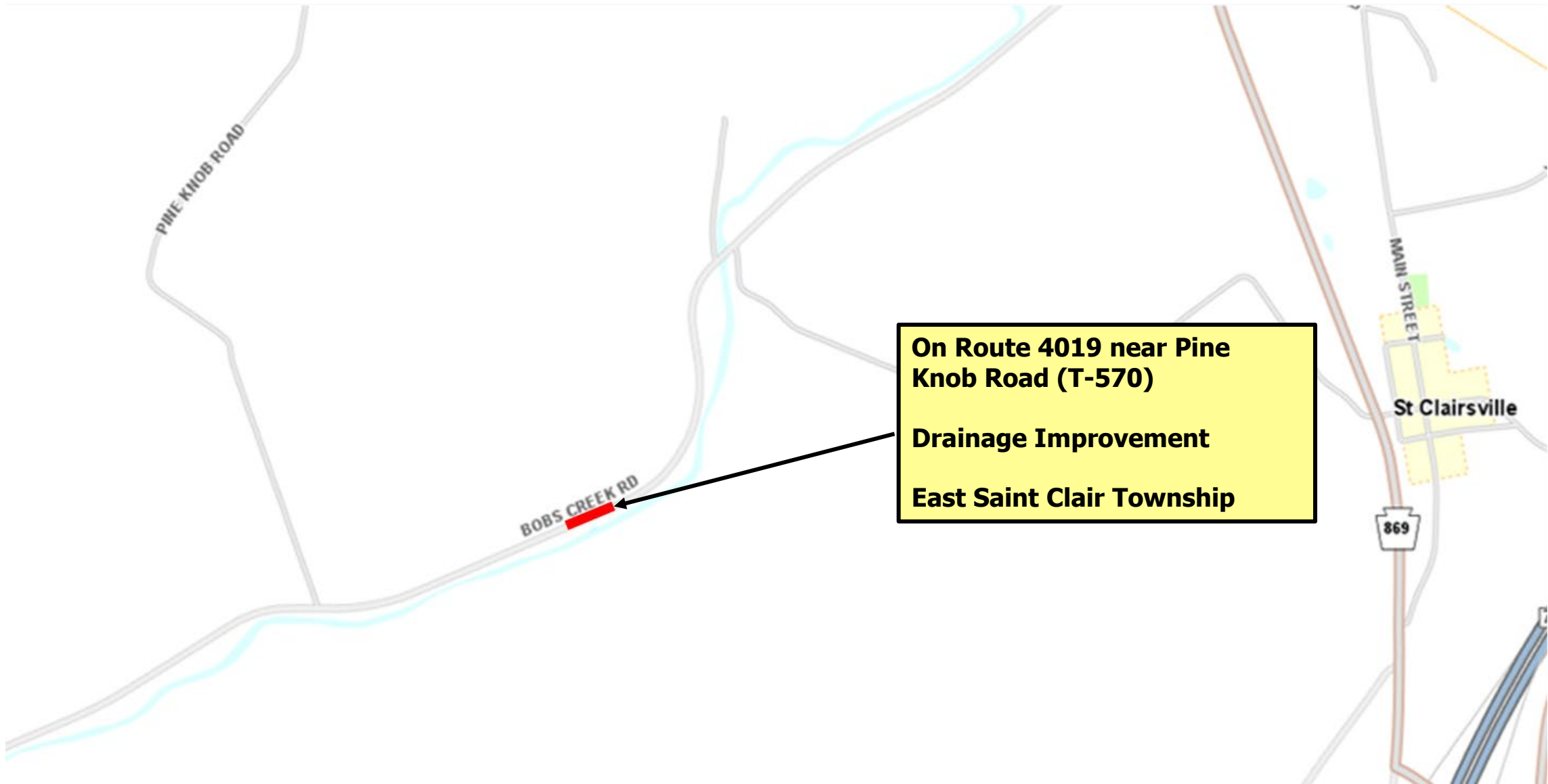


- Scope:** Design Build Drainage Improvements (Route 867, Route 4019, Route 305, Route 3001, Route 4015), Paving, & Guiderail Replacement
- Traffic Control:** Short-Term Flagging
- Construction Timeframe:** July 2026 – September 2027
- Contractor:** Cottle's Asphalt Maintenance, Inc.
- Current Contract:** \$1,531,665

# ROUTE 867 SEG 180 DESIGN BUILD UNDER 8FT CULVERTS



# ROUTE 867 SEG 180 DESIGN BUILD UNDER 8FT CULVERTS



# CONTRACTS TO BE BID



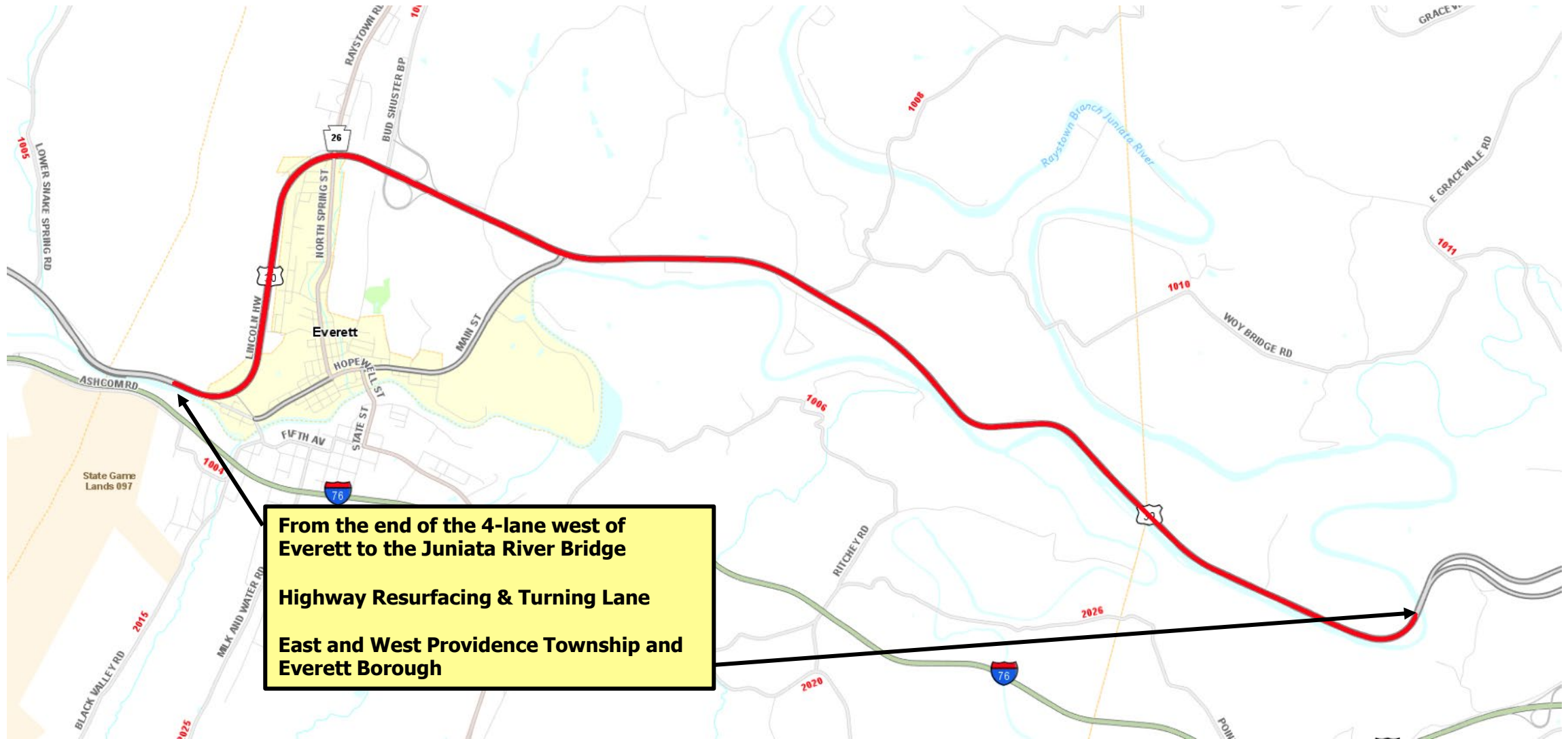
Pennsylvania  
Department of Transportation

# U.S. 30 – BREEZEWOOD TO EVERETT



- **Scope:** Patching, Widening for Turning Lane Addition, Resurfacing
- **Traffic Control:** Long-Term Lane Closure
- **Construction Estimate:** \$12 – 14 Million
- **Anticipated Bid Opening:** 2nd Quarter of 2026

# U.S. 30 – BREEZEWOOD TO EVERETT

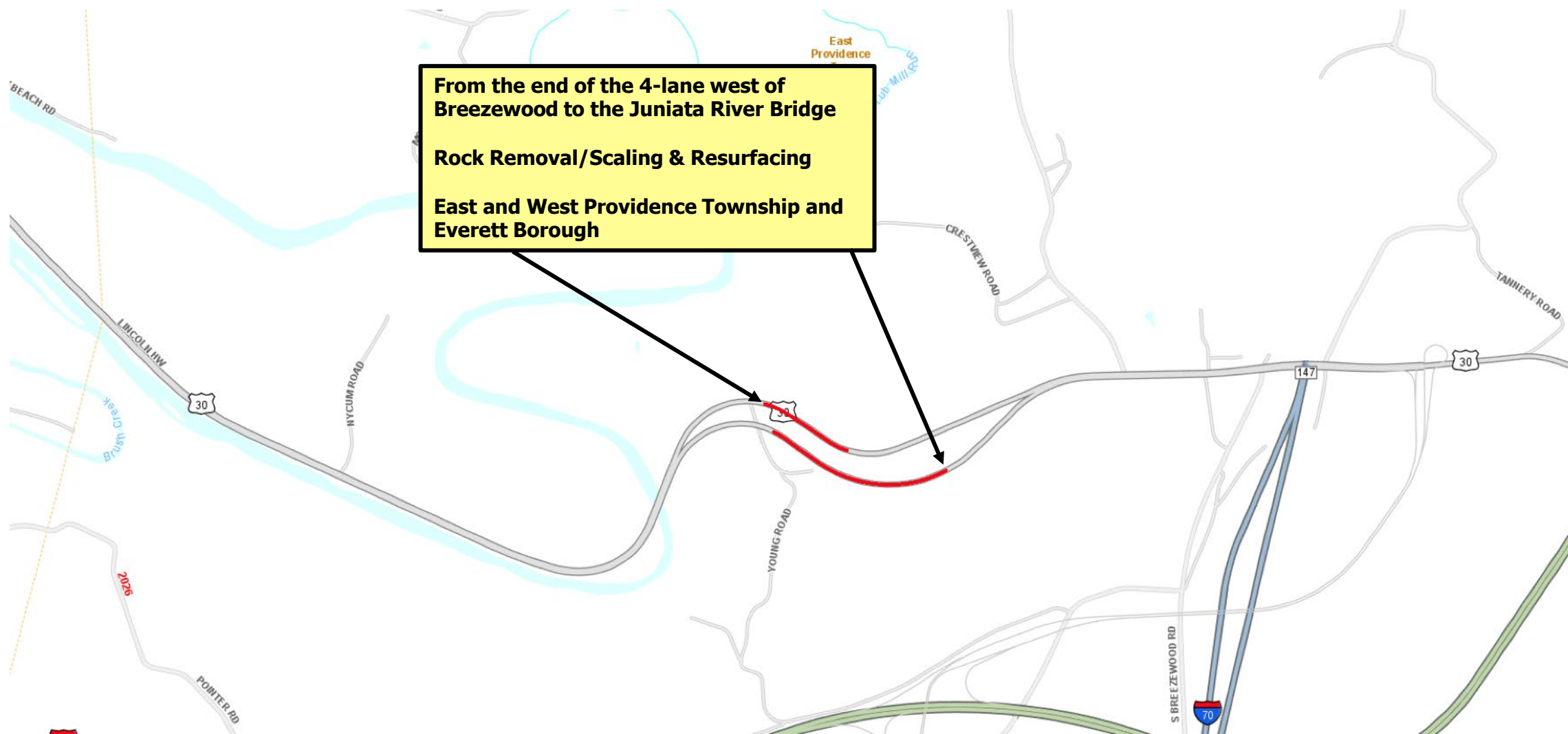


# U.S. 30 WEST OF BREEZEWOOD ROCK FALL



- **Scope:** Rock Scaling, Resurfacing
- **Traffic Control:** Long-Term Lane Closure
- **Construction Estimate:** \$1 - 3 Million
- **Anticipated Bid Opening:** 2nd Quarter of 2026

# U.S. 30 WEST OF BREEZEWOOD ROCK FALL

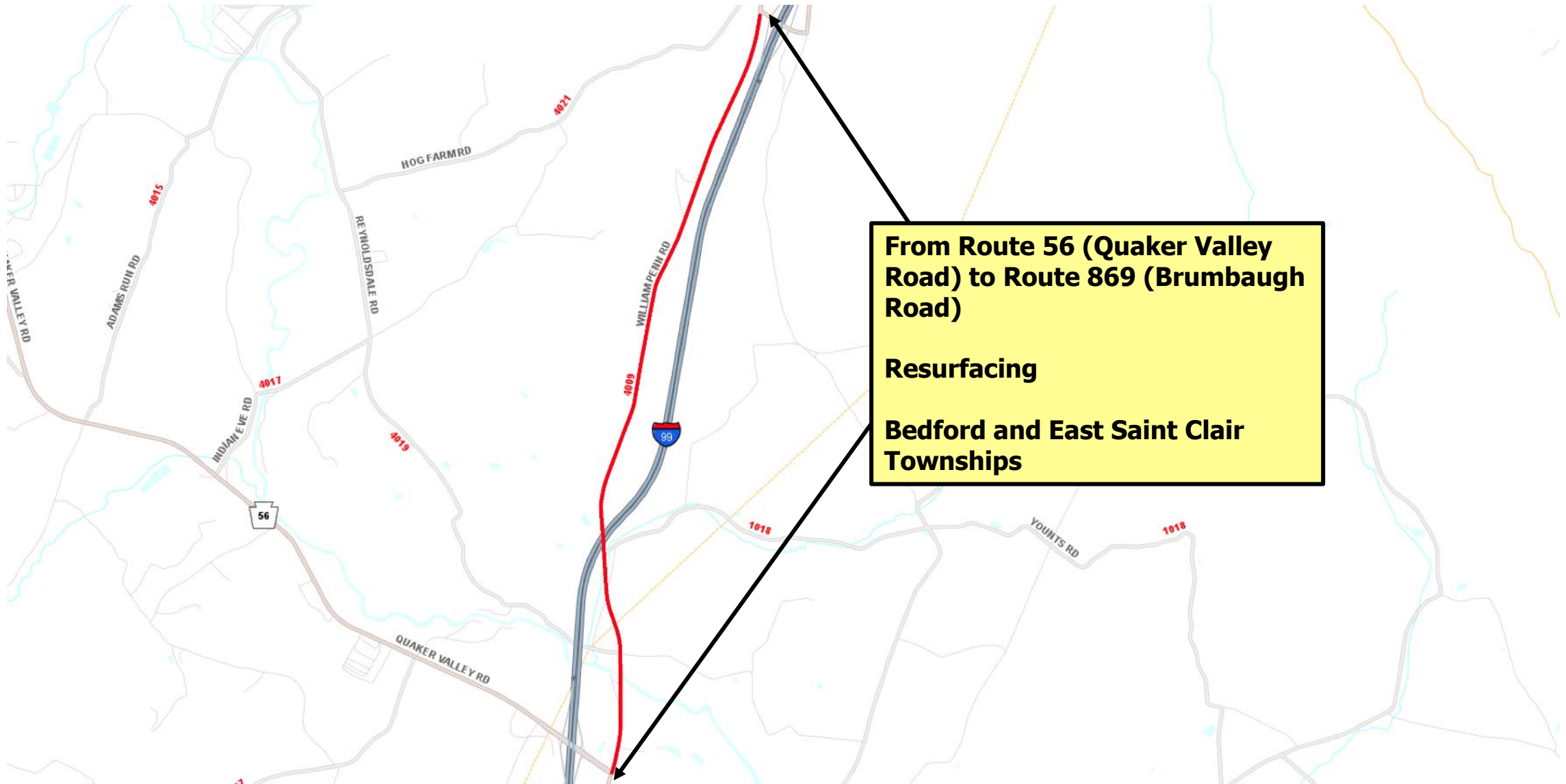


# ROUTE 4009 – ROUTE 56 TO ROUTE 869



- Scope:** Resurfacing
- Traffic Control:** Short-Term Flagging
- Construction Estimate:** \$2 - 3 Million
- Anticipated Bid Opening:** 2nd Quarter of 2026

# ROUTE 4009 – ROUTE 56 TO ROUTE 869



# ROUTE 4019 OPPENHEIMER RUN BRIDGE



- Scope:** Bridge Restoration
- Traffic Control:** Long-Term Lane Closure (Phased with Signals)
- Construction Estimate:** \$750,000 – 1 Million
- Anticipated Bid Opening:** 2nd Quarter of 2026

# ROUTE 4019 OPPENHEIMER RUN BRIDGE

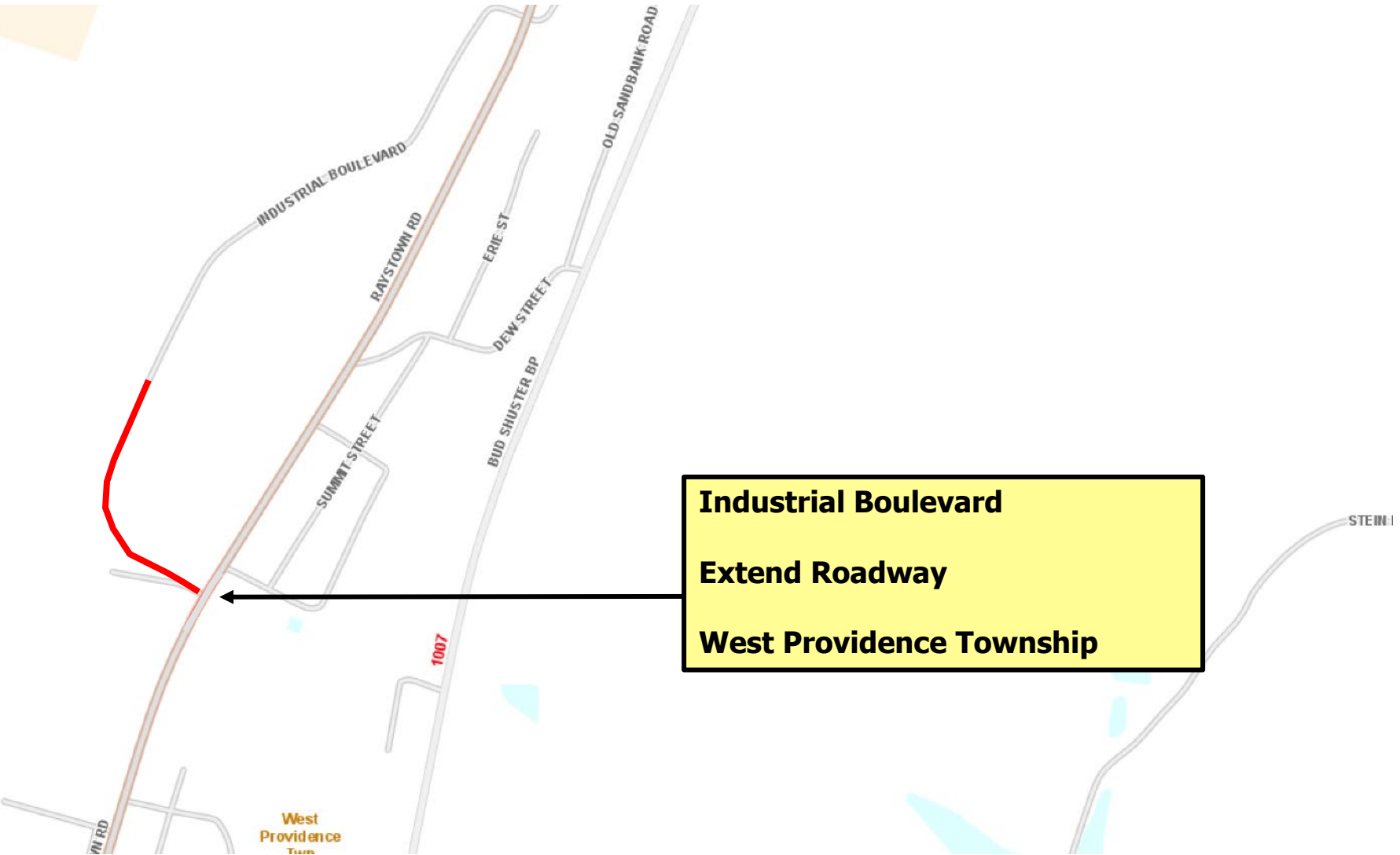


# EVERETT BUS. PARK - INDUSTRIAL BLVD EXT.



- **Scope:** Roadway Extension
- **Traffic Control:** Short-Term Flagging
- **Construction Estimate:** \$1 – 2 Million
- **Anticipated Bid Opening:** 2nd Quarter of 2026

# EVERETT BUS. PARK - INDUSTRIAL BLVD EXT.



# *Thank You*

Questions?



# BEDFORD COUNTY MAINTENANCE ACTIVITIES

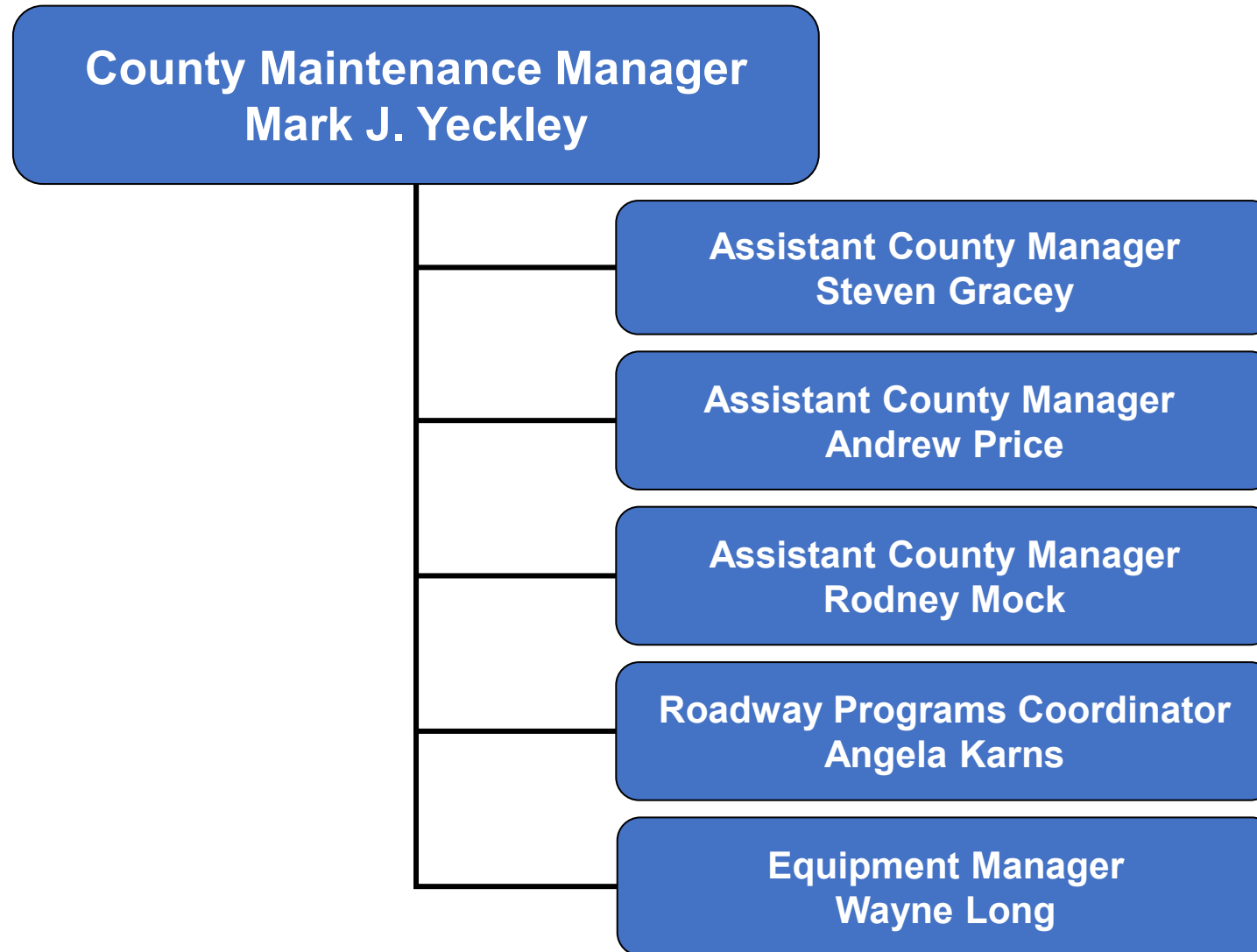
DAVID KAMMERER, P.E. ADE – MAINTENANCE

MARK J. YECKLEY, COUNTY MANAGER



Pennsylvania  
Department of Transportation

# BEDFORD COUNTY STAFF

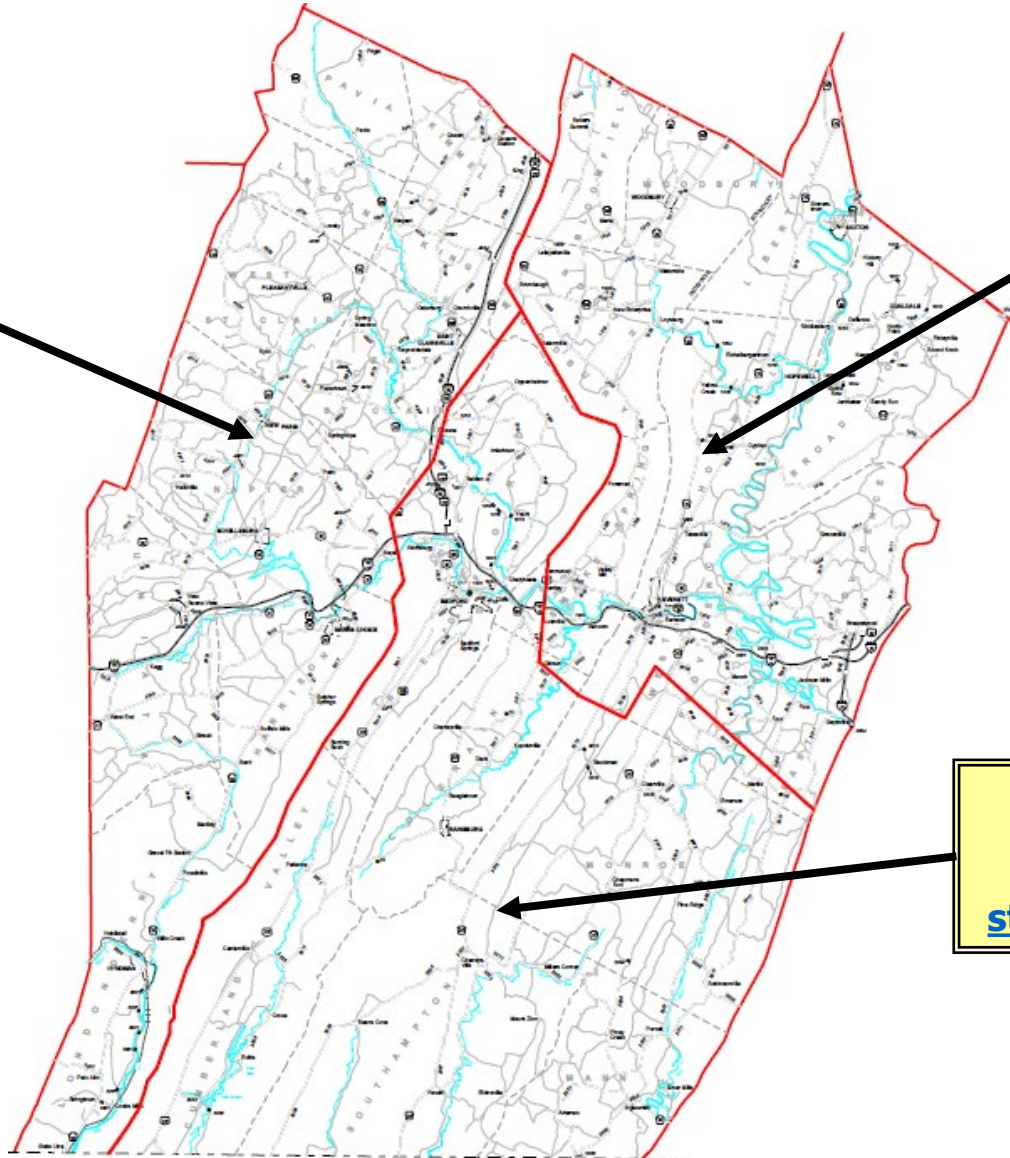


# WHO TO CONTACT IN YOUR AREA

**Rodney Mock**  
**814-285-2830**  
[rmock@pa.gov](mailto:rmock@pa.gov)

**Andrew Price**  
**814-285-2821**  
[andprice@pa.gov](mailto:andprice@pa.gov)

**Steve Gracey**  
**814-285-2562**  
[stgracey@pa.gov](mailto:stgracey@pa.gov)



# WINTER TRAFFIC SERVICES AGREEMENTS

- Municipality enters into an agreement with PENNDOT to be responsible for complete snow and ice control operations on a section of state highway.
- WTSA are for five years in length; however, the municipality retains the right to terminate the agreement prior to each winter.
- A municipality must have the necessary equipment, materials and personnel to satisfactorily perform the required snow and ice control operations.
- Basis of payment is based on MFC (Maintenance Functional Classification) rates per snow lane mile.
- MFC B – high volume arterials/major collector roads
- MFC C – minor collector roads
- MFC D/E – local roads and streets

# WINTER TRAFFIC SERVICES AGREEMENTS

## ATTACHMENT "A"

### Municipal Winter Services Agreement Rate Schedule For Use During the 2026 - 27 Winter Season

District	County	MFC RATES Per Snow Lane Mile		
		B	C	D/E
9	Bedford		\$1,349.93	\$1,128.62
	Blair		\$1,349.93	\$1,128.62
	Cambria		\$2,217.67	\$2,012.47
	Fulton		\$1,219.50	\$1,034.83
	Huntingdon		\$1,349.93	\$1,127.16
	Somerset		\$2,217.67	\$2,012.47

## Severe Weather Adjustments

- During a severe winter, if the Department spends over our 5-year average for winter costs, the municipality will receive a winter adjustment.
- The winter adjustment is based on percentages and can be significant.
- For example:
  - Bedford County 2024-2025 Severe Winter Adjustment was 44%.
  - A municipality with an existing winter services agreement for \$15,000 would have received an additional \$6,600.

# 2025 WINTER AGREEMENTS & 5-YEAR DEPARTMENT HISTORY

6 Winter Municipal Service Agreement Routes  
between

**Broad Top, Lincoln, Southampton,  
West St. Clair, South Woodbury & Woodbury Townships**

Totaling 38.7 Miles

Avg. Rate - \$ 1,106 / mile



## 5 Year Department Winter Material Usage & Cost\*

	2021	2022	2023	2024	2025
<b>SALT</b> (tons)	6,941	6,181	5,354	11,750	7,399
<b>SKID</b> (tons)	7,934	6,946	6,940	14,352	8,772
<b>BRINE</b> (gals)	134,409	98,881	89,920	132,032	112,575
<b>COST</b> (000's)	\$3,699	\$3,731	\$3,991	\$5,750	\$5,015

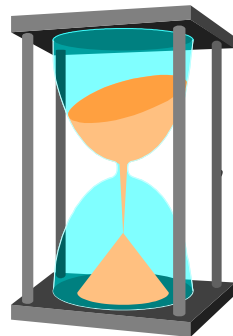
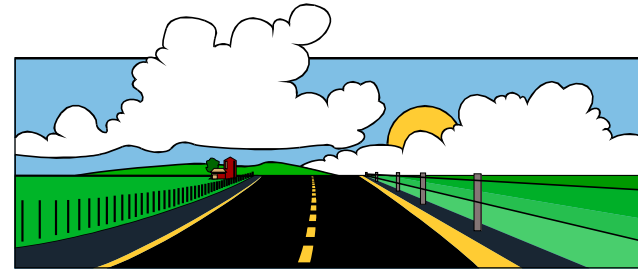
\*as of 3/25/26

# PHILOSOPHY OF PREVENTIVE MAINTENANCE



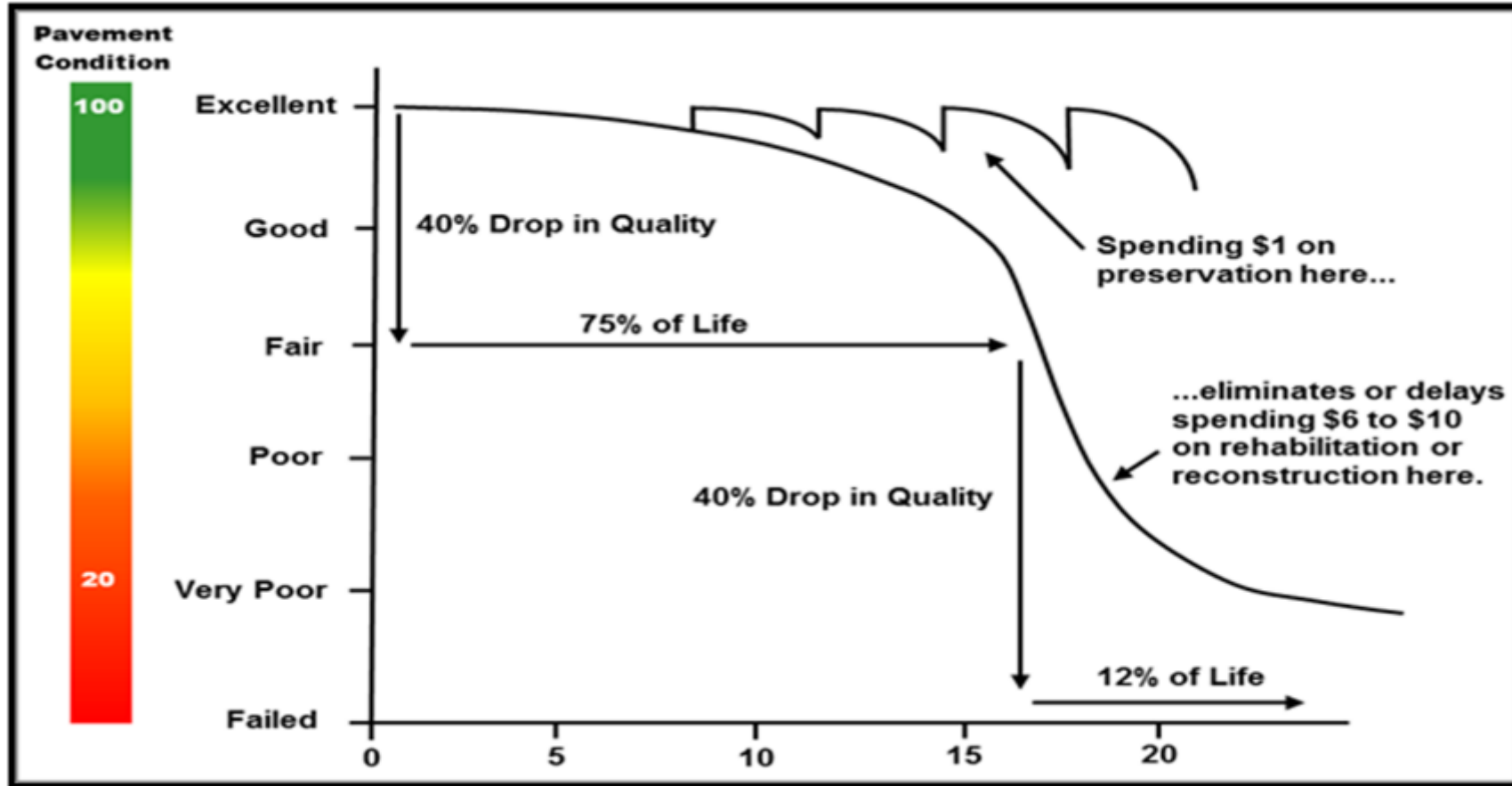
*Apply the right treatment*

*... to the right pavement*



*... at the right time.*

# PHILOSOPHY OF PREVENTIVE MAINTENANCE



## **Bituminous Surface Treatment**

- Economical approach to preserve and extend pavement life
- Enrich the asphalt content of dry/worn pavements
- Seals the roadway surface to prevent the intrusion of moisture into underlying courses
- Restore pavement skid resistance level
- Create a more uniform appearance

## Stretching Maintenance Dollars

- Seal coat cost is about \$20,000/mile and lasts between 5 and 7 years.
- Seal coating is an extremely cost-effective way to preserve paved roadways and is critical to PennDOT's roadway preservation program.
- In comparison, a 1.5" resurfacing project on a similar low volume road costs approximately \$175,000/mile.

# SEAL COAT OPERATION

## Prep Work

- Test Aggregate
- Review Existing Pavement Condition
- Prepare Seal Coat Design
- Calibrate Equipment

## Day of Operation

- Weather
- Pre-Sweep
- Apply Emulsion
- Place Aggregate
- Make Adjustments
- Roll Aggregate
- Cure
- Sweep

# SEAL COAT OPERATION

- Oil Distributor
- Chip spreader
- Pneumatic (Rubber) tire roller
- Power broom



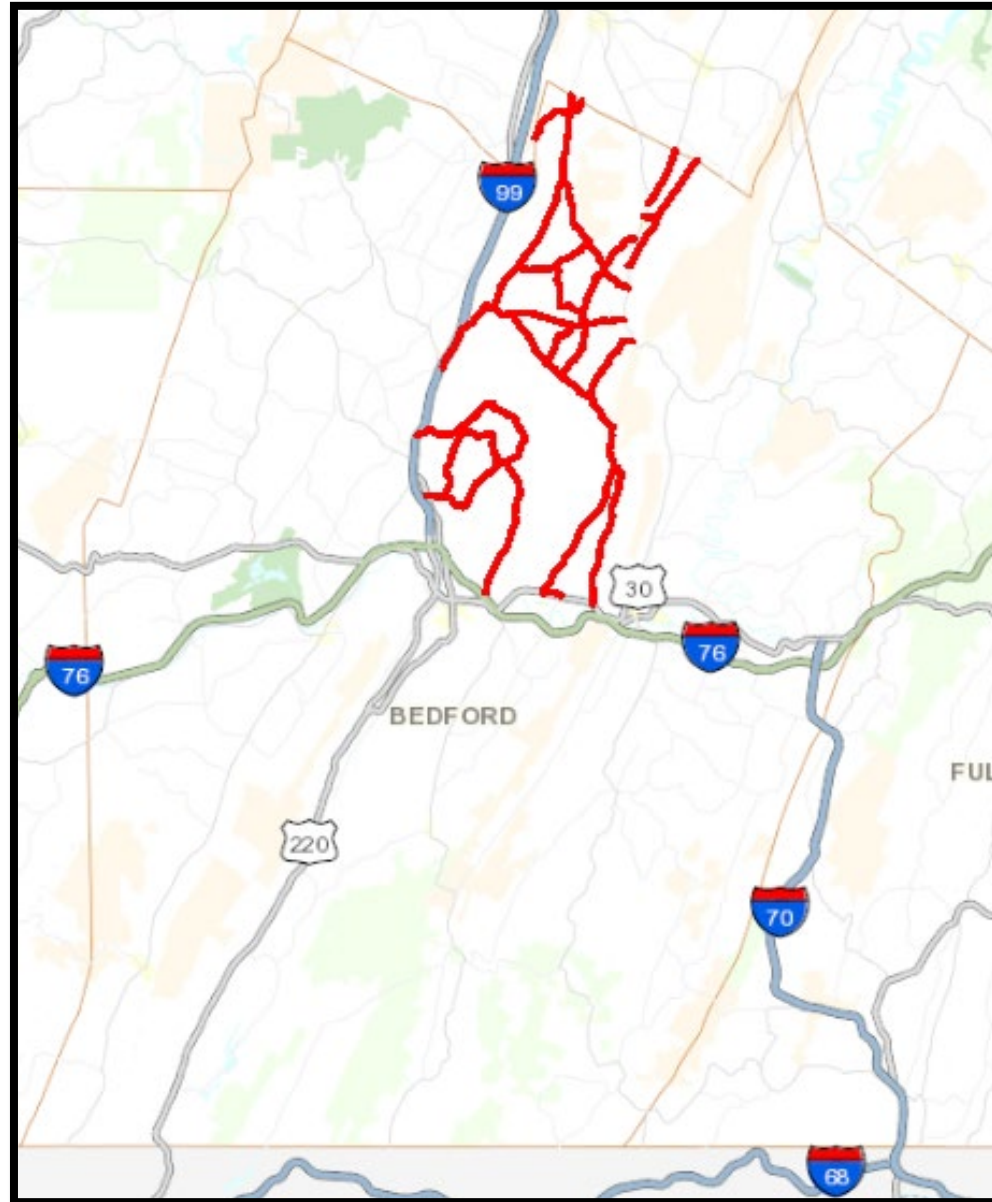
# PUTTING MONEY ON THE ROAD

## 2026 Department Force Work Summary

### Seal Coating

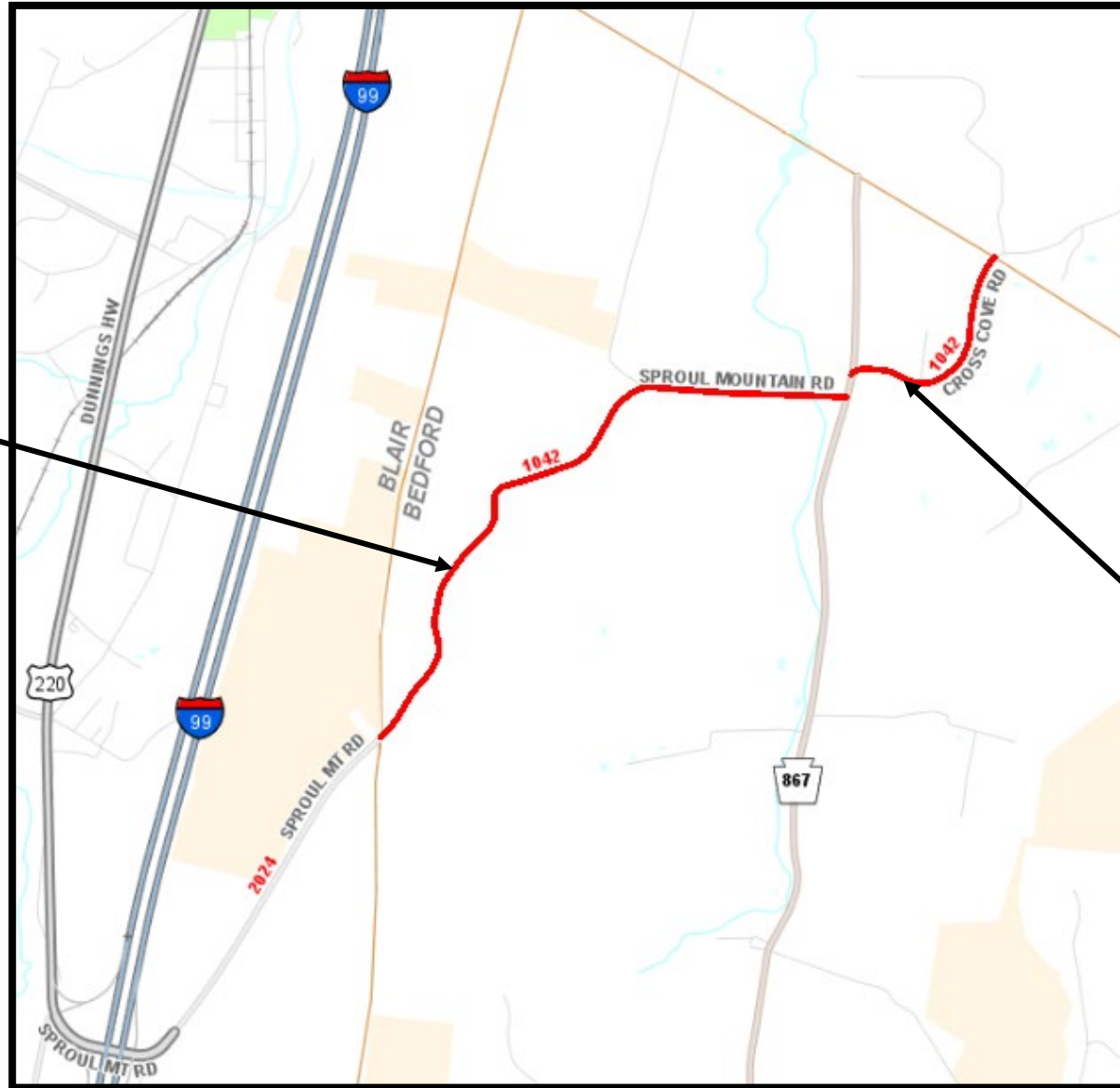
- 91.51 miles on 19 routes
- 394,831 Gallons
- Estimated Cost = \$1,634,600

# 2026 DEPARTMENT FORCE SEAL COATING



# 2026 DEPARTMENT FORCE SEAL COATING

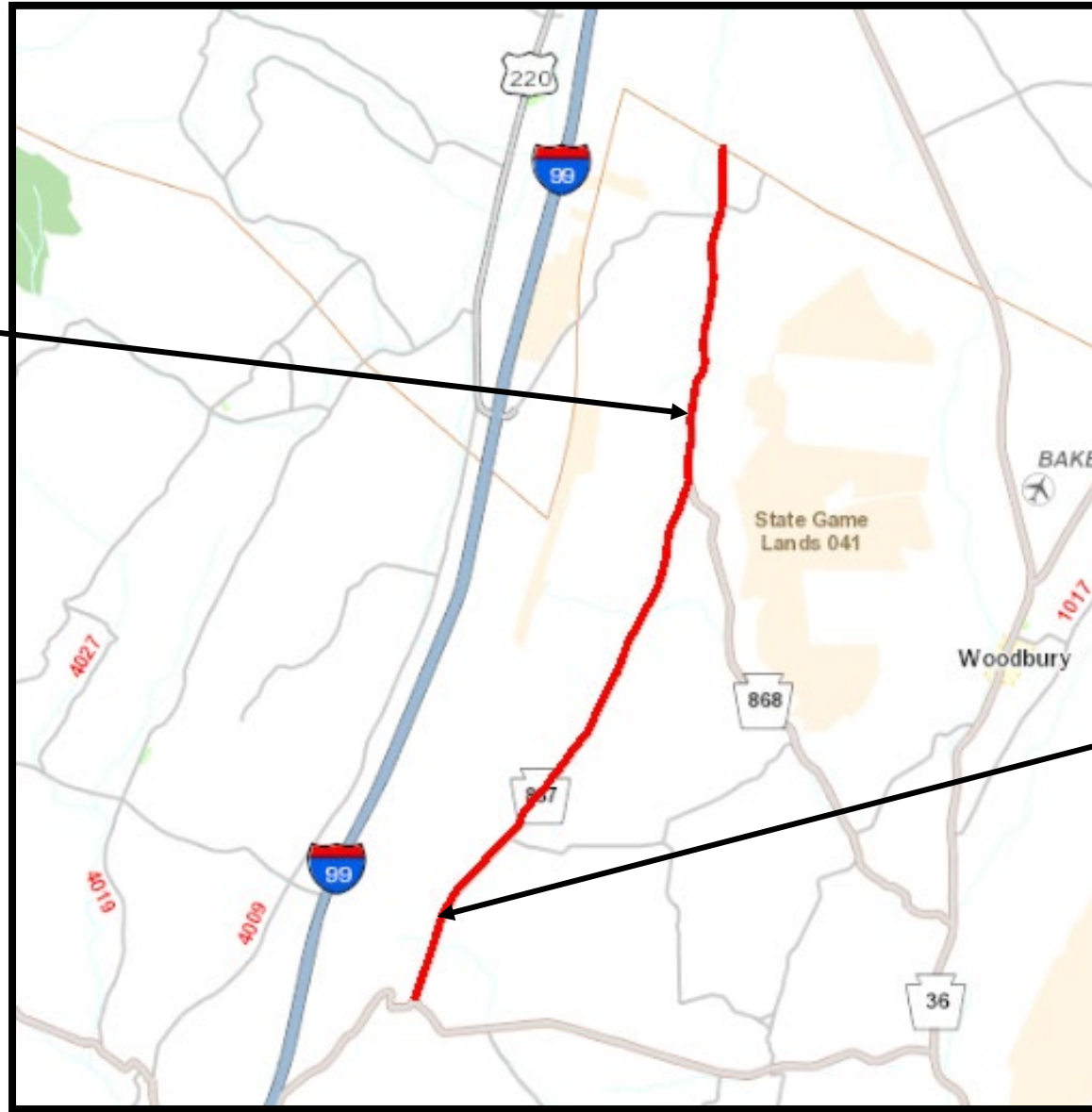
**Bloomfield Twp**  
**Route 1042**  
**Sproul Mountain Road**  
**1.95 miles**



**Bloomfield Twp**  
**Route 1042**  
**Cross Cove Road**  
**0.66 miles**

# 2026 DEPARTMENT FORCE SEAL COATING

**Bloomfield Twp**  
**Route 867**  
**Lafayette Road**  
**2.07 miles**

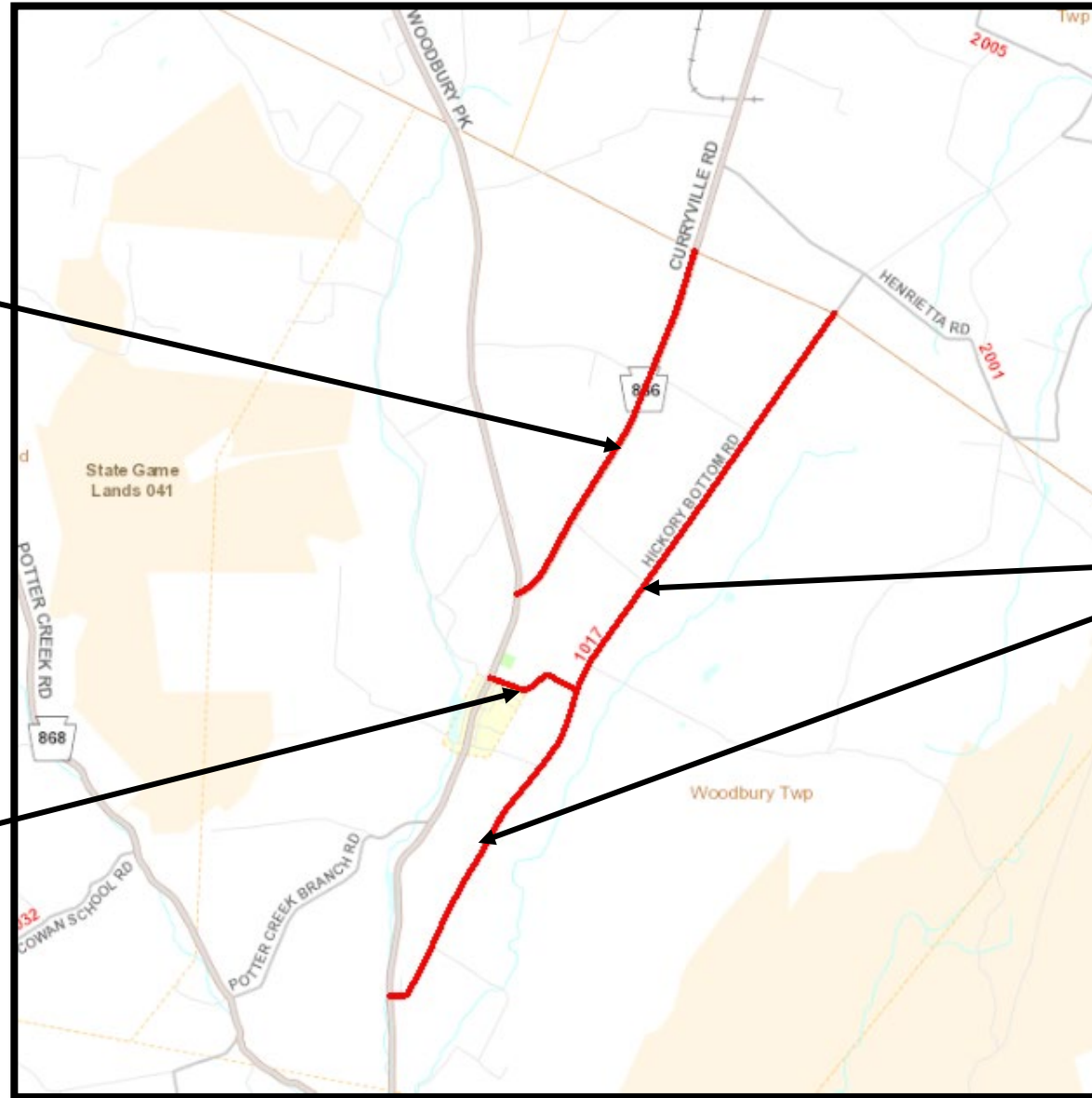


**South Woodbury Twp**  
**Route 867**  
**Lafayette Road**  
**6.65 miles**

# 2026 DEPARTMENT FORCE SEAL COATING

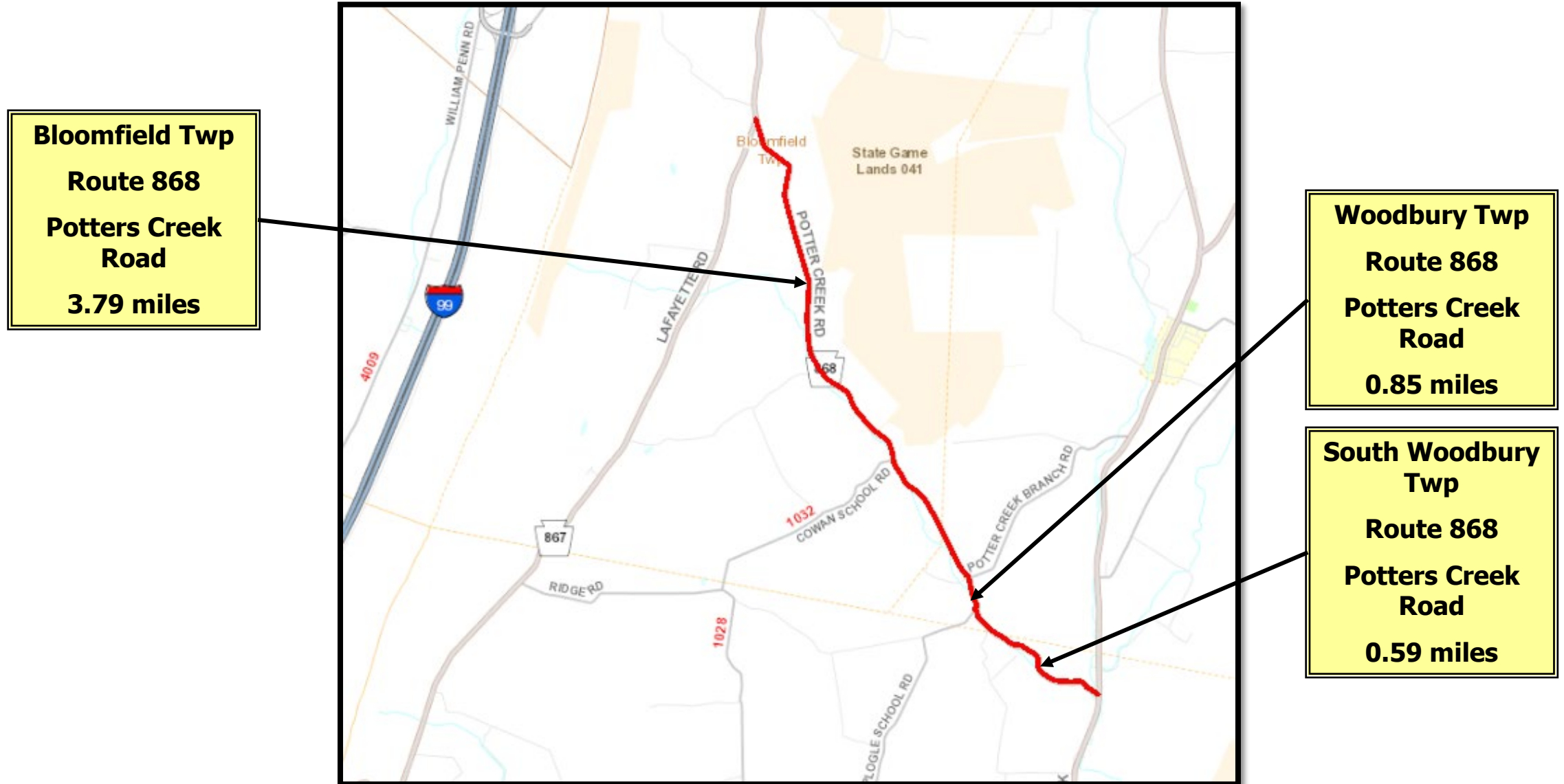
**Woodbury Twp**  
**Route 866**  
**Curryville Road**  
**2.26 miles**

**Woodbury Twp**  
**Route 1038**  
**State Street**  
**0.57 miles**



**Woodbury Twp**  
**Route 1017**  
**Hickory Bottom Road**  
**4.78 miles**

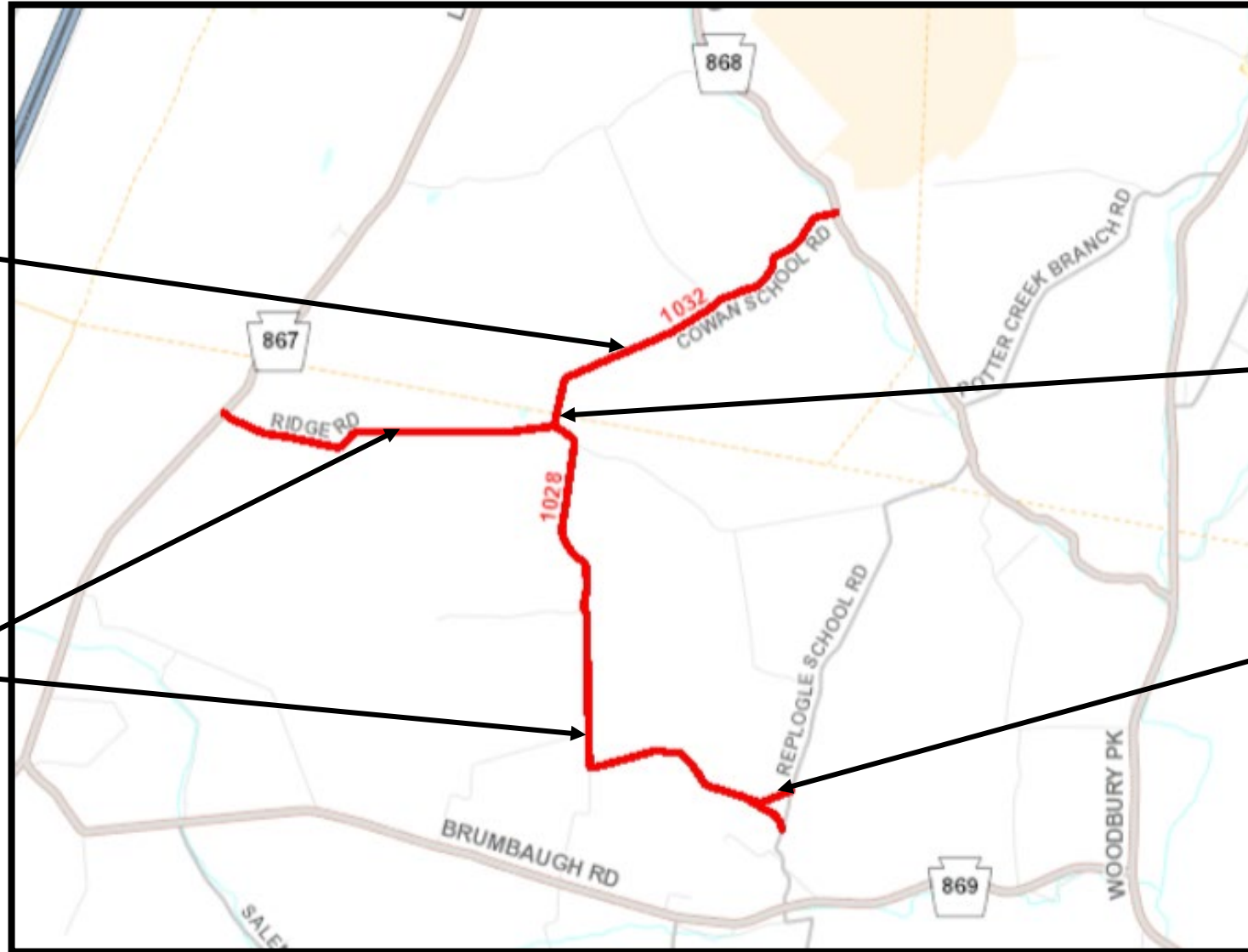
# 2026 DEPARTMENT FORCE SEAL COATING



# 2026 DEPARTMENT FORCE SEAL COATING

**Bloomfield Twp**  
**Route 1032**  
**Cowan School Road**  
**1.61 miles**

**South Woodbury Twp**  
**Route 1028**  
**Ridge Road**  
**4.08 miles**



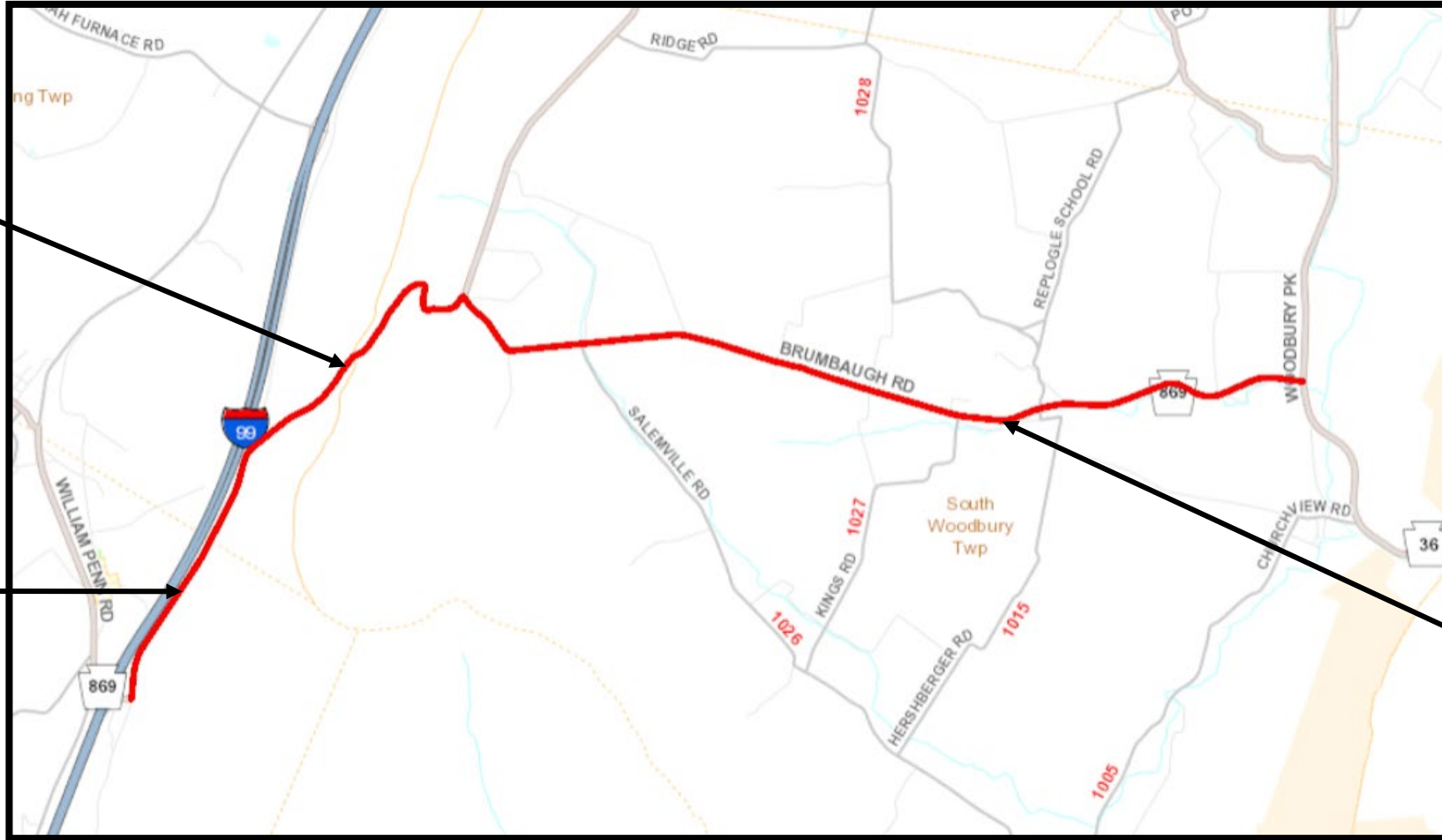
**South Woodbury Twp**  
**Route 1032**  
**Cowan School Road**  
**0.05 miles**

**South Woodbury Twp**  
**Route 1030**  
**0.21 miles**

# 2026 DEPARTMENT FORCE SEAL COATING

**King Twp**  
**Route 869**  
**Brumbaugh Road**  
**1.38 miles**

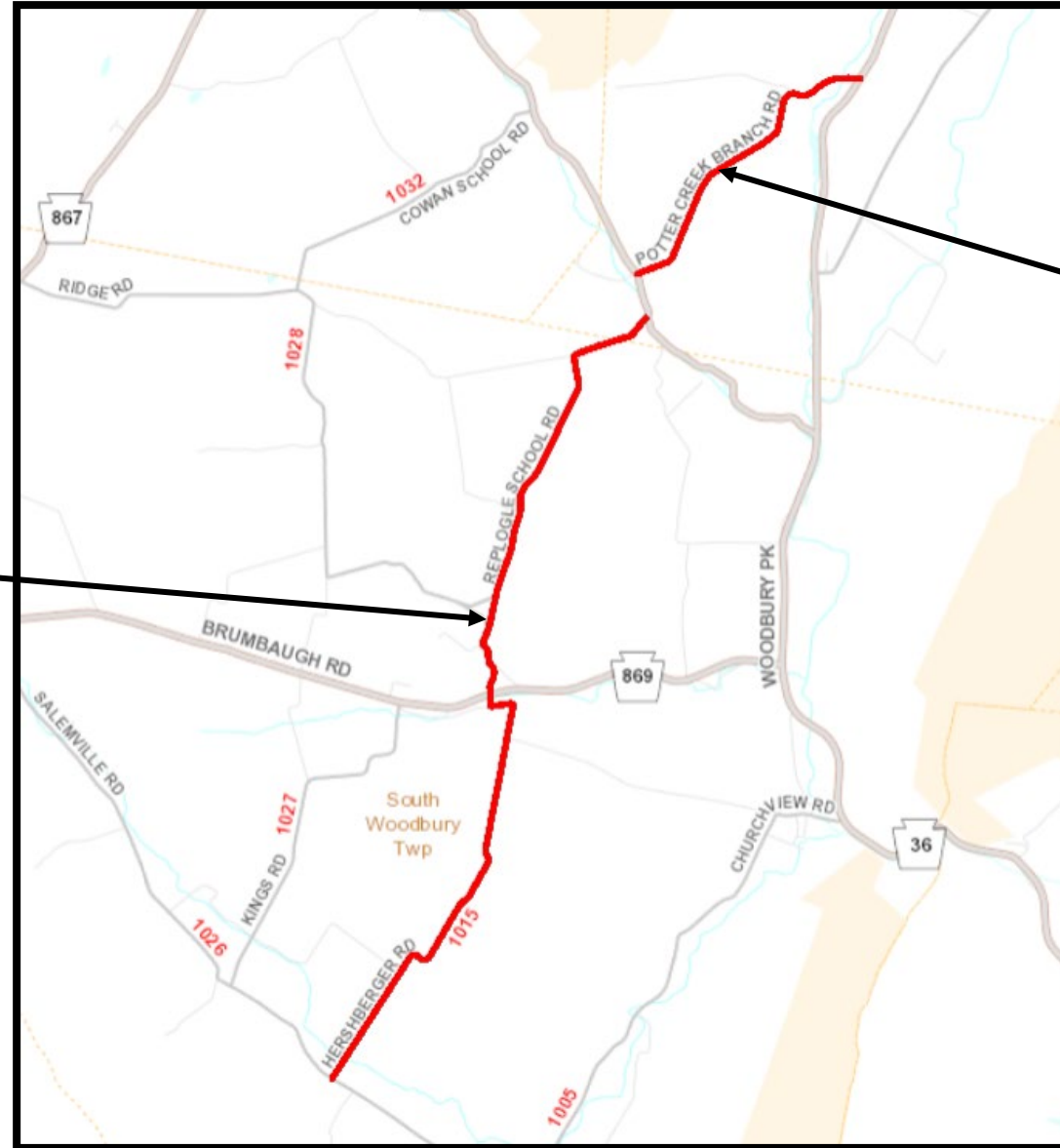
**East Saint Clair Twp**  
**Route 869**  
**Brumbaugh Road**  
**1.04 miles**



**South Woodbury Twp**  
**Route 869**  
**Brumbaugh Road**  
**6.18 miles**

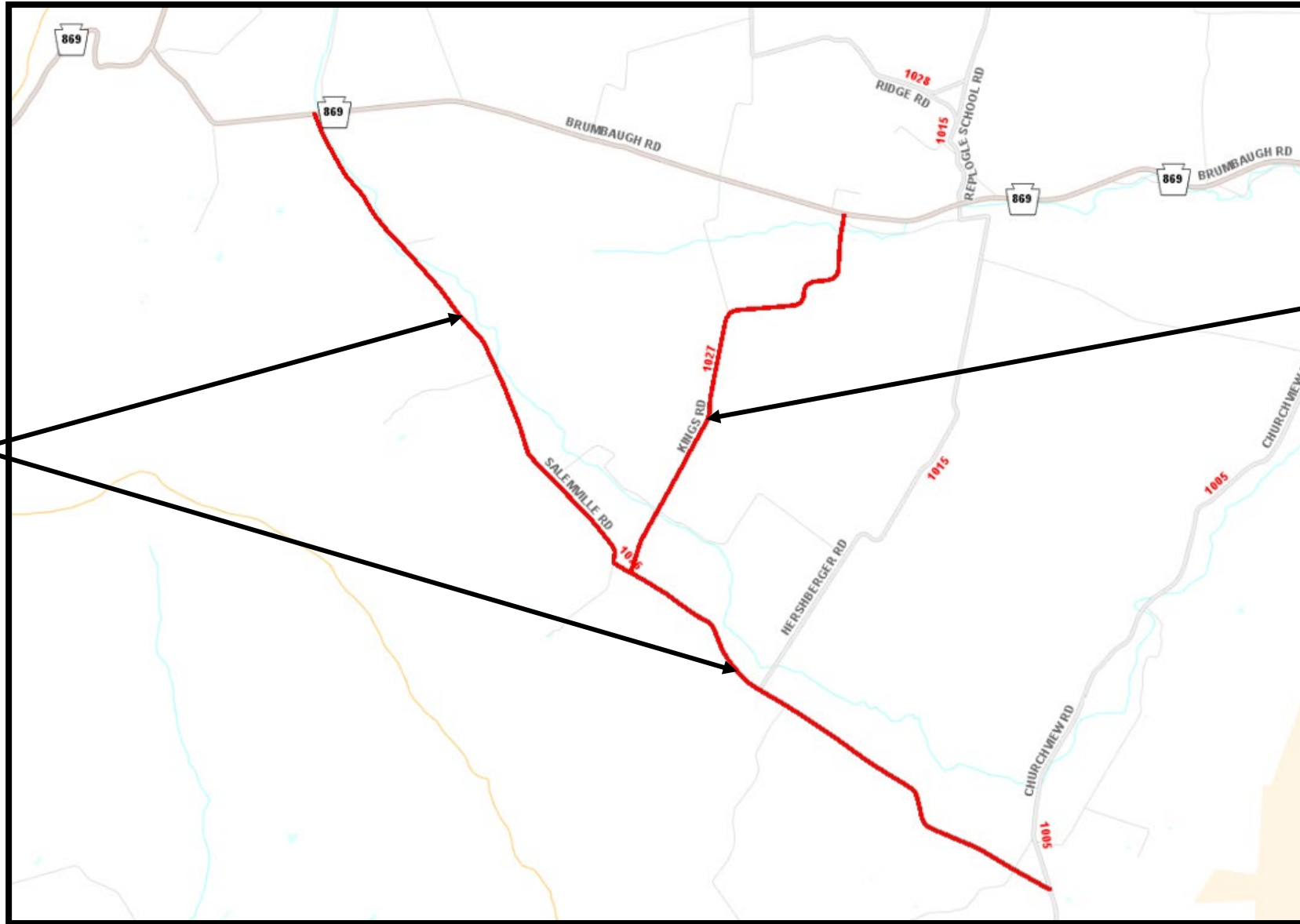
# 2026 DEPARTMENT FORCE SEAL COATING

**South Woodbury  
Twp  
Route 1015  
Replogle School  
Road  
4.82 miles**



**Woodbury Twp  
Route 1015  
Potter Creek  
Branch Road  
1.68 miles**

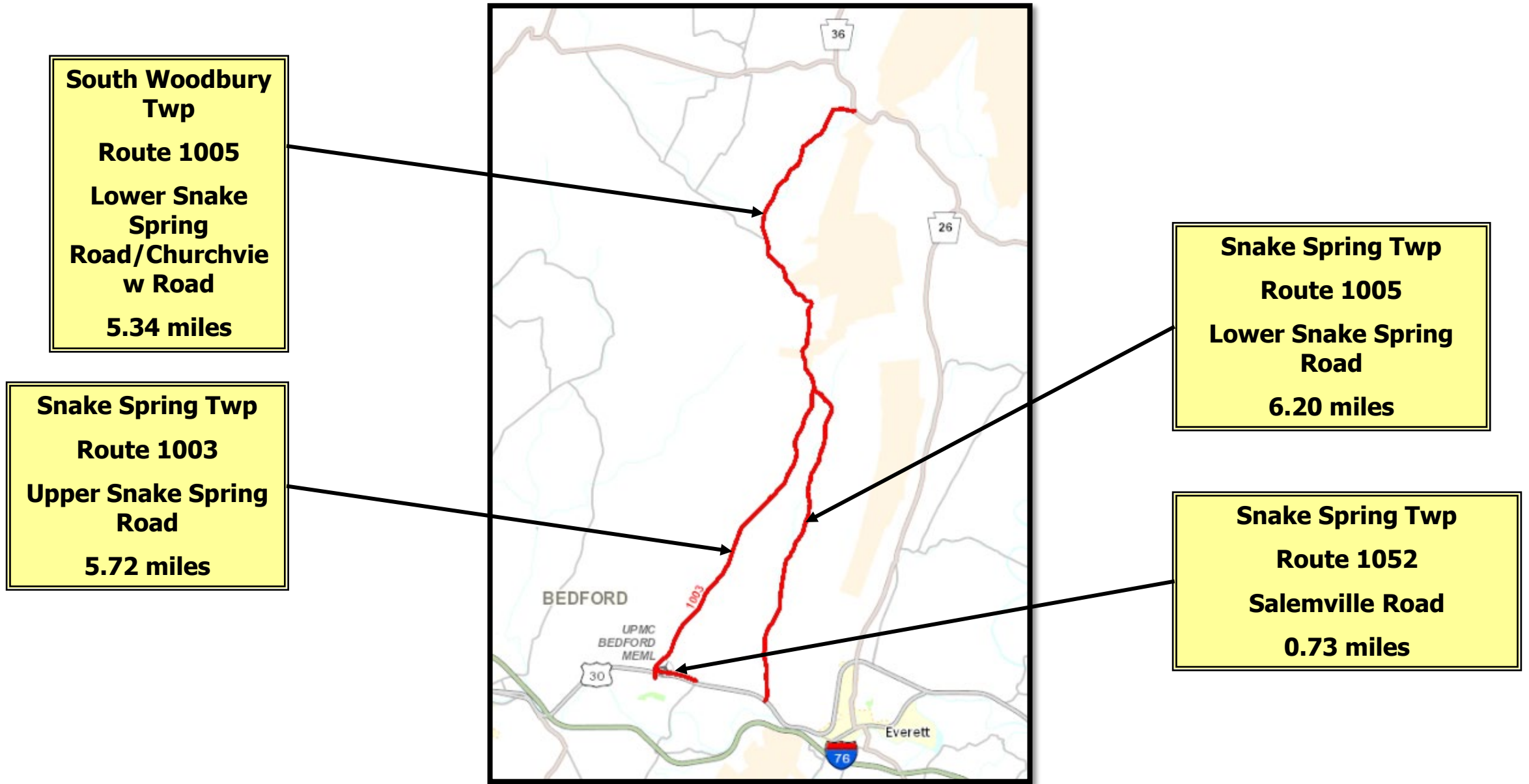
# 2026 DEPARTMENT FORCE SEAL COATING



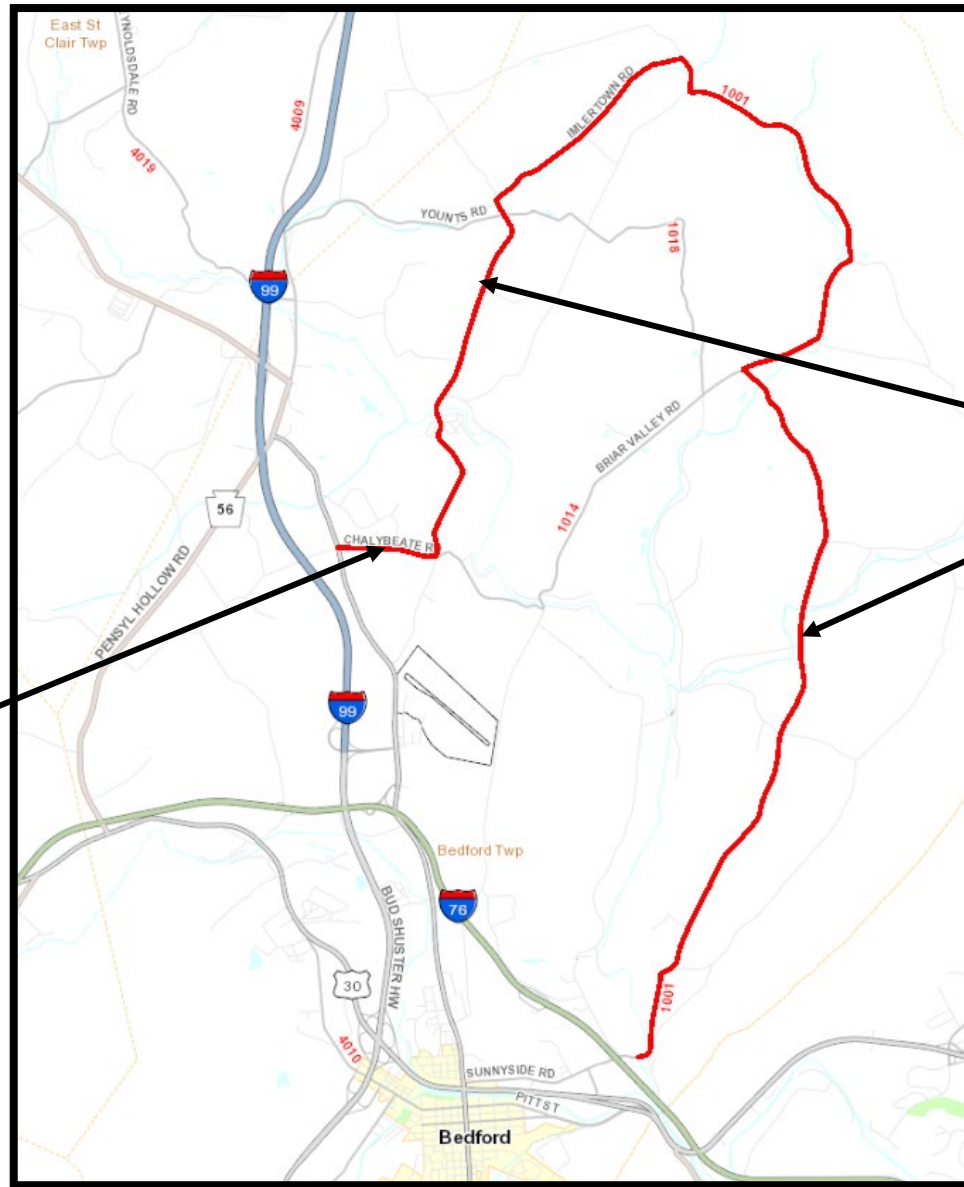
**South Woodbury  
Twp  
Route 1026  
Salemville Road  
4.56 miles**

**South Woodbury  
Twp  
Route 1027  
Kings Road  
1.91 miles**

# 2026 DEPARTMENT FORCE SEAL COATING



# 2026 DEPARTMENT FORCE SEAL COATING

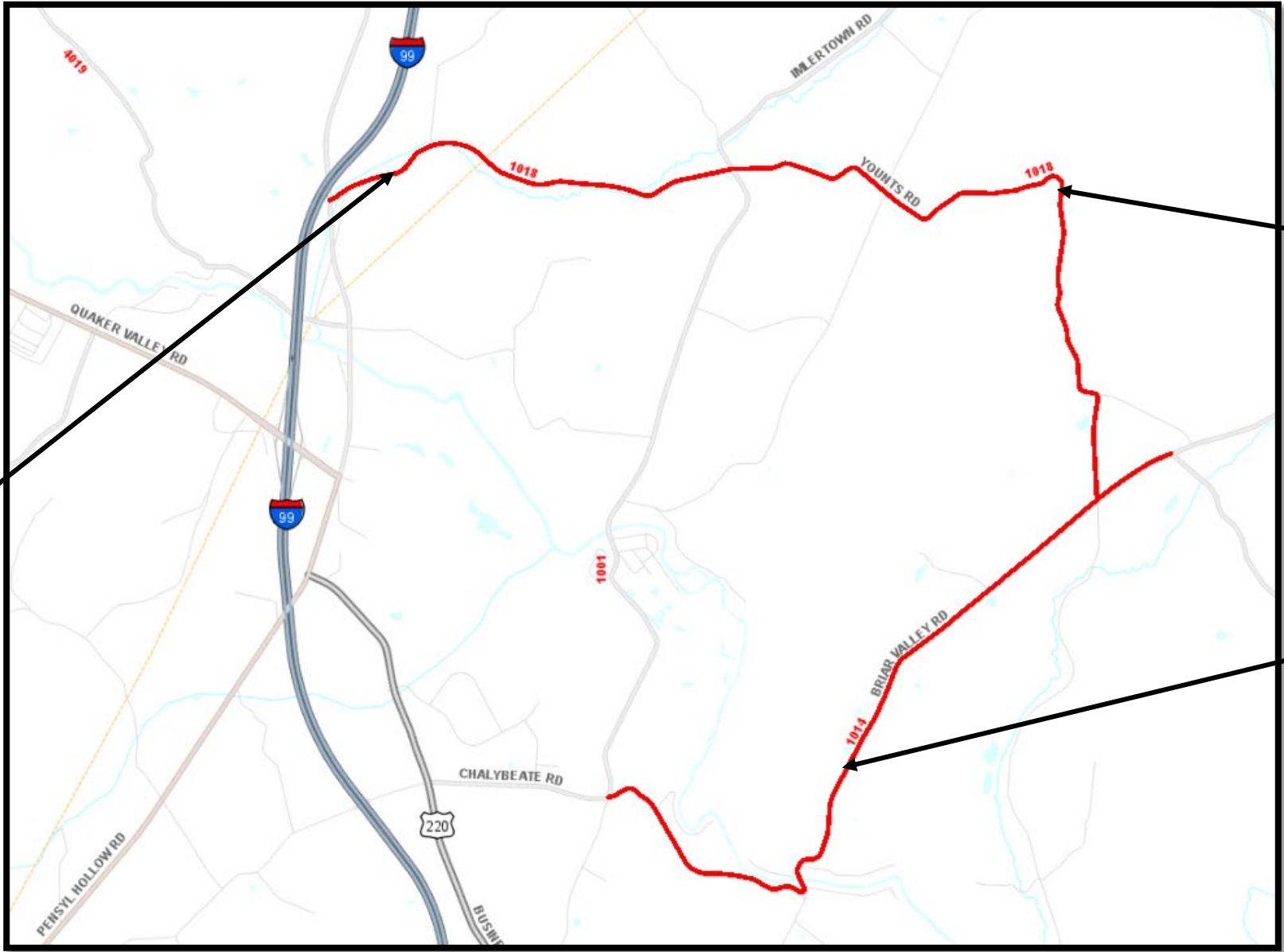


**Bedford Twp**  
**Route 1001**  
**Chalybeate Road**  
**0.70 miles**

**Bedford Twp**  
**Route 1001**  
**Imlertown/Belden Road**  
**13.36 miles**

# 2026 DEPARTMENT FORCE SEAL COATING

**East St Clair Twp**  
**Route 1018**  
**Younts Road**  
**0.68 miles**



**Bedford Twp**  
**Route 1018**  
**Younts Road**  
**3.76 miles**

**Bedford Twp**  
**Route 1014**  
**Briar Valley Road**  
**3.33 miles**

# AGILITY AGREEMENTS

## 4 Agreements with Broad Top, Cumberland Valley & Londonderry Townships and Bedford County Fairgrounds

Mowing for  
Line Painting, Salt Brine and Guide Rail Installation

Use of Facility/Jordan Hall and Grounds for  
Sweeping, bituminous and drainage repair



### Other Possible Activities

- Sign Replacements
- Crack Sealing
- Pipe Replacement
- Pipe Flushing

# ADDITIONAL COUNTY ACTIVITIES

Patching

Guiderail Repairs and Upgrades

Sign Replacements

Crack Sealing

Shoulder Cutting

Bridge Maintenance

Pipe Replacement & Flushing

Mowing

# QUESTIONS?

**THANK YOU  
FOR YOUR ATTENTION!**

# BEDFORD COUNTY DESIGN OVERVIEW

JAMES T. PRUSS, JR., P.E.  
ASSISTANT DISTRICT EXECUTIVE - DESIGN



Pennsylvania  
Department of Transportation

# Bridge Maintenance: A Strategic Approach for Municipalities

## Using PennDOT Pub 55 to Extend Structure Life



JAMES T. PRUSS, JR., P.E.  
ASSISTANT DISTRICT EXECUTIVE - DESIGN



Pennsylvania  
Department of Transportation

# DIFFERENT CHALLENGES: LOCAL VS STATE BRIDGES

- Local bridges are, on average, in **poorer** condition than state-owned bridges
- Limited funding + fewer resources = **more reactive maintenance**
- Small issues are being **missed or delayed**
- Result: **faster deterioration and higher long-term costs**



# WHY THIS MATTERS TO YOU

- Budgets are tight – **they're not getting better**
- Replacement projects are expensive and limited
- The only lever you control is:
  - **Maintenance**
- Goal:
  - Stretch every dollar
  - Avoid emergency repairs
  - Delay replacement as long as possible



*"Maintenance is the cheapest project you will ever do."*

# YOUR PLAYBOOK: PENNDOT PUB 55

- PennDOT's guide for bridge maintenance
  - **Easy Access:** You do not need a login to access this
    - **Action:** Go to Google
    - **Search:** "PennDOT Pub 55"
    - **Result:** The first result is the PDF of the manual
- **Why Use It:** Built for real-world use
  - Preventative maintenance
  - Repairs
  - Planning



## Bridge Maintenance Manual

# THE PHILOSOPHY: PREVENTIVE VS. CORRECTIVE

- The Goal: **"Keep good bridges good"**
- **Preventive Maintenance:** Planned, cost-effective treatments (like cleaning and sealing) to resist future deterioration
- **Corrective Maintenance:** Fixing deficiencies after they occur (structural repairs). This is often significantly more expensive
- **Key Takeaway:** A small investment in a schedule now prevents a large investment in replacement later.




# STRATEGIC PLANNING: THE “CYCLE OF CYCLES”

- **Concept:** Successful maintenance isn't just one-off repairs; it is a "cycle of cycles"
- **Two Types of Plans:**
  - **Annual Plan:** Immediate needs (cleaning, minor repairs)
  - **Strategic Plan:** Looking forward 3–10 years for larger preservation items (overlays, painting, joint replacement)
- **Recommendation:** Prioritize your bridges based on traffic and condition. Focus on the "trunk of the tree" (busiest routes) first

# THE FOUNDATION: ANNUAL MAINTENANCE (1-YR CYCLE)

- **Frequency:** Annually (Best performed in Spring after winter operations)

 **Task 1: Cleaning Decks & Splash Zones:** Remove salt, antiskid, and debris that trap moisture and chlorides

 **Task 2: Drainage Systems:** Clean scuppers and downspouts. Clogged drains force water onto steel and concrete, accelerating rot and rust

 **Task 3: Bearings:** Clean and lubricate expansion bearings to ensure they can move freely

# MEDIUM-TERM CYCLE: SEALING & JOINTS (3-10 YRS)

- **Why:** Leaking joints are a primary cause of beam end and substructure deterioration
- **Deck Joint Resealing:**
  - **Silicone/Maintenance Schedule:** Every 3–5 years
  - **Strip Seals:** Every 10+ years
- **Scour Countermeasures:** Inspect and repair stream beds and rock protection every 10 years (or as required by inspection)



*Most deterioration starts here.*



# LONG-TERM CYCLE: PRESERVATION (10-25 YRS)

- **Deck Protection:**

- **Epoxy Overlays:** Every 10 years
- **Latex Modified Concrete Overlays:** Every 20 years

- **Steel Protection:**

- **Spot Painting:** Every 10 years (cleaning surfaces with power tools and spot priming)
- **Full Painting:** As needed based on spot deterioration



# FROM INSPECTION TO MAINTENANCE

- Bridge inspections identify conditions and deficiencies
- Inspection reports include maintenance recommendations
- Use inspection results to plan and prioritize work

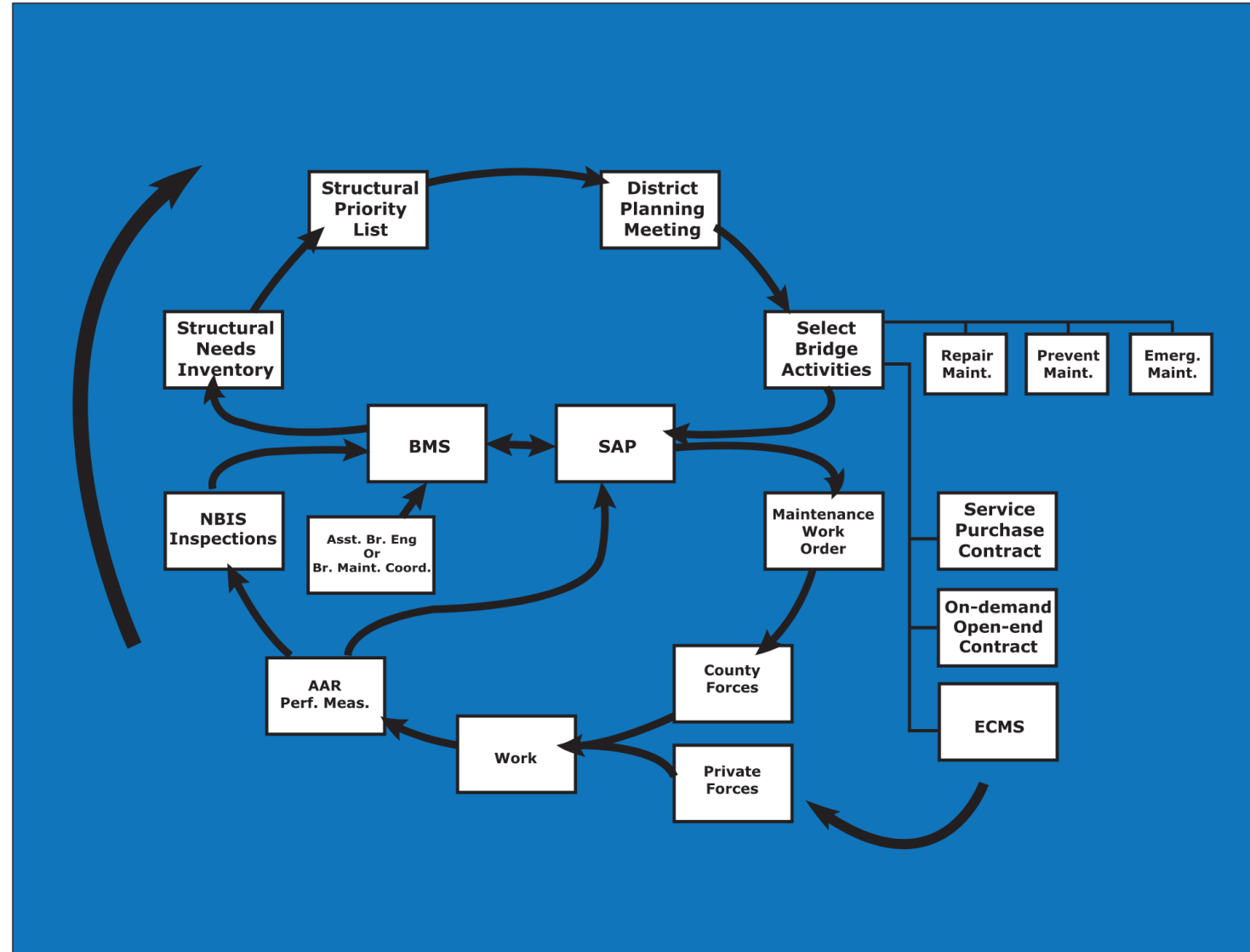


Figure 1-1 - Process Map

# WHAT THE PRIORITY CODES ACTUALLY MEAN

- Pub 100A (Coding Manual) – IM05 – Maintenance Priority
  - PR 0 – CRITICAL: Immediate response required, within 7 days
  - PR 1 – HIGH PRIORITY: As soon as work can be scheduled, within 6 months
  - PR 2 – PRIORITY: Review work plan and re-prioritize schedule, within 2 years
  - PR 3 – SCHEDULE: Add to scheduled work
  - PR 4 – PROGRAM: Add to programmed work
  - PR 5 – ROUTINE: Non-structural
- PR 0 and PR 1 Maintenance Items
  - Reserved for activities that threaten the structural integrity of the bridge or public safety
  - Require a Plan of Action (POA) to document actions to repair and/or mitigate deficiencies

Fix now (Safety)

Plan it

Don't ignore it

# REVIEW INSPECTION REPORT FINDINGS

- **Proposed Candidates:** Included in every inspection report

Proposed Candidates					
3A02 Candidate ID	IM03 Action	IM04 Est Qty	UOM	IM05 Priority	IM06 Initial Recom'd Date
A-PADOT-17997-9	17 - RLGSTRM-RPR/RPL.STR.MTD.G.R.	46	LF	2	03/11/2001
IM07 Status:	0 - Work not planned	IM09 Location:			
IM08 Target Year:	0	1			
IM11 Work Assign:	IM15a Work Candidate Notes: Install current standard structure mounted guide rail.				
A-PADOT-17997-7	27 - RDGDERL-CONNECT GDERAIL TO BR	4	EA	2	03/11/2001
IM07 Status:	0 - Work not planned	IM09 Location:			
IM08 Target Year:	0	LNRLFR			
IM11 Work Assign:	IM15a Work Candidate Notes: Install current standard approach guide rail.				
IFORMS-2008-16-GMRC-OJ-WM-1133	51 - RDCLSGN-RPL.CLEARANCE SIGN	6	EA	2	11/11/2008
IM07 Status:	0 - Work not planned	IM09 Location:			
IM08 Target Year:	0	LNRLFR			
IM11 Work Assign:	IM15a Work Candidate Notes: #1- 2022 Changed from PC3 to PC2 in 2022 based on the damaged ONE LANE BRIDGE signs. #2 - Replace the damaged ONE LANE BRIDGE signs. Replace the damaged/substandard hazard clearance markers. Markers should be placed on a separate post and located at the most restrictive point at each corner of the bridge.				
IFORMS-2015-1-9MYU-HZ-EP-25523	70 - RDLDGSGN-RPL.LOAD LIMIT SIGN	3	EA	2	11/18/2015
IM07 Status:	0 - Work not planned	IM09 Location:			
IM08 Target Year:	0	NF			
IM11 Work Assign:	IM15a Work Candidate Notes: 1. N/A 2. Install Bridge Load Postings for Bridge Weight Limit 25 Tons at all required locations. 3. Replace the damaged near approach, far approach, and far advance BRIDGE signs and the far approach weight limit sign. 4. Also remove graffiti from the near approach weight limit sign. 5. Relocate near advance and far advance weight limit signing posts to within 25' of the intersections.				

## Current Recommendations:

### Immediate Improvements: (Requires Prompt Action)

There are no immediate improvements required at this time.

### Short Term Improvements: (Within the Next 2 Years)

#### Priority Code 2 (PRIORITY – RE-PRIORITIZE SCHEDULE)

1. Install Bridge Load Postings for Bridge Weight Limit 25 Tons at all required locations.
2. Install current standard structure mounted guide rail.
3. Repair the section loss to the web of Beams 2 and 3.
4. Install current standard approach guide rail.
5. Replace the damaged One Lane Bridge signs. Replace the damaged Hazard Clearance Markers. Relocate the Hazard Clearance Markers to a separate post and locate them at the most restrictive point at each corner of the bridge.
6. Replace the damaged near approach, far approach, and far advance Bridge signs and the far approach Weight Limit sign. Also remove graffiti from the near approach Weight Limit sign. Relocate near advance and far advance Weight Limit signing posts to within 25' of the intersections.
7. Install designed rock protection along the and far abutments to protect the exposed footing from additional scour. Also repair the areas of lateral scour at the near left and far right with rock protection.

#### Priority Code 3 (SCHEDULE – ADD TO SCHEDULED WORK)

1. Clean and paint the entire superstructure.

#### Priority Code 4 (PROGRAM – ROUTINE STRUCTURAL)

1. Repair the spall on the underside in Bay 7 at the near end of the deck. Also, remove the timber forms and braces along the underside of the deck in order to facilitate proper inspection

#### Priority Code 5 (ROUTINE – ROUTINE NON-STRUCTURAL)

1. Flush the dirt and gravel from the edges of the deck.

# BUDGETING & RESOURCES

- **Review Inspection Recommendations:** Use priorities to assist with importance
- **Identify Capabilities:** Determine what your municipal crew can do vs. what requires a contractor
  - **Crew:** Cleaning, flushing, vegetation removal, minor asphalt patching, missing or damaged signs
  - **Contractor:** Joint replacement, large concrete repairs, overlays
- **Funding:** Use your "Strategic Plan" to apply for County/State aid

# SUMMARY & RECOMMENDATIONS

- **Download Pub 55:** It is your free specialized guide
- **Start with Cleaning:** If you do nothing else, flush decks and clean drains annually
- **Plan the Cycle:** Map your bridges into a 5-year joint sealing cycle
- **Inspect to Plan:** Use your bi-annual inspections to feed your work



# ADDITIONAL RESOURCES

## FUNDING OPPORTUNITIES

### Transportation Improvement Program (TIP)

#### Overview

Fiscally constrained program of transportation improvements

- Partners include Metropolitan & Rural Planning Organizations
- 1st four years of the Twelve-Year Program (TYP)
- Updated every other year
- Multimodal – includes all modes – highways, bridges, public transit, aviation, rail & bike/ped

More Info: [www.talkpatransportation.com](http://www.talkpatransportation.com)

### Transportation Infrastructure & Investment Fund (TIIF)

A reserve of \$25 million per year in state funds set aside for transportation improvements aimed at improving Pennsylvania's transportation system related to economic development opportunities. Decisions on how to utilize this funding are at the discretion of the Governor and/or the Secretary of Transportation.

### Marcellus Legacy Fund-Act 13

- Impact fee to the Highway Bridge Improvement Restricted Account in the Motor License Fund
- Used to fund replacement or repair of locally owned (county; municipal), at-risk deteriorated infrastructure
- Fund distributed based on county population (minimum \$40,000)

More Info: [Google Penndot Act 13](#)  
Contact: [ra-Act13@pa.gov](mailto:ra-Act13@pa.gov)

### Multimodal Transportation Fund (MTF)

- \$40 million to PennDOT annually, with \$35 million allocated to highway and bridge-related projects and \$5 million available for projects that propose improvements to any mode.
- Awards must be matched by eligible local funding of at least 30% of the amount awarded
- Awards are time limited. Sponsors have one year after accepting award to execute reimbursement agreement, which expires three years after execution
- Applicants should coordinate project scope, purpose, & need with local authorities, planning region, and PennDOT Engineering District prior to application development and submission
- Grants are available for projects with total cost of \$100,000 not to exceed \$3,000,000

#### Eligibility

- Municipality
- Council of Governments
- Business/Non-profit
- Economic Development Organization
- Public Transportation Agency
- Ports or Rail/Freight Entity

#### Qualifying Activities

Funds may be used for the development, rehabilitation & enhancement of transportation assets including:

- Streetscapes lighting
- Sidewalk enhancement
- Pedestrian safety
- Connectivity of transportation assets
- Transit oriented development

Please note that PennDOT's multimodal program is separate from the Multimodal Transportation Fund administered by the Commonwealth Financing Authority.

More Info: [Google Penndot MTF Success Manual](#)  
Contact: [RA-PDMultimodalFund@pa.gov](mailto:RA-PDMultimodalFund@pa.gov)

### Transportation Alternatives Set-Aside (TASA)

#### Categories of Eligibility

- Bicycle & Pedestrian Facilities
- Bicycle & Pedestrian Education
- Rails to Trails
- Construction of Turnouts, Overlooks and Viewing Areas
- Outdoor Advertising
- Preservation & Rehab of Historic Transportation Facilities
- Vegetation Management
- Archaeological Activities
- Storm Water Management
- Wildlife Mortality Mitigation
- Vulnerable Road User Assessment Activity

#### Sponsor Eligibility

- Local Governments
- Regional Transportation Authorities
- Transit Agencies
- Natural Resource or public land agencies, including federal agencies
- School districts, local education agencies, or schools
- Tribal Governments
- MPOs with <200,000 population
- Non-profit entities

#### Funding

- Federal cost share program, not a grant program
- Projects funded at 100% of the construction cost
- Minimum of \$50,000, maximum of \$1,500,000
- Project sponsor is responsible for pre-construction costs

More Info: [Google Penndot TASA](#)  
Contact: [RA-pdTASA@pa.gov](mailto:RA-pdTASA@pa.gov)



Pennsylvania  
Department of Transportation

### Green Light Go Program (GLG)

Pennsylvania's Municipal Signal Partnership Program

#### Eligible Projects

- LED Replacement
- Traffic Signal Retiming
- Study & Removal of Unwarranted signals
- Monitoring
- Innovative Technologies
- Communications
- Connections to TMC
- Detection & Controller Upgrades
- Modernization Upgrades
- Intelligent Transportation System (ITS)

#### Eligible Use of Funds

Grants may be used for planning, pre-construction and construction activities

#### Match Requirements

Municipal application & 20% match

#### Application

Applications accepted annually between March 1 & March 31

#### Funding

Total amount of funding available in 2026 is approximately \$40 million

More Info: [Google Penndot Green Light-Go](#)

Contact: [RA-PDSignalFunding@pa.gov](mailto:RA-PDSignalFunding@pa.gov)

### PA Infrastructure Bank (PIB)

#### Overview

The Pennsylvania Infrastructure Bank (PIB) is a PennDOT program that provides low-interest loans to help fund transportation projects within the Commonwealth.

More Info: [Google PA Infrastructure Bank](#)

Contact: [ra-Act13@pa.gov](mailto:ra-Act13@pa.gov)

### Automatic Red-Light Enforcement (ARLE)

#### Overview

Transportation enhancement grants to local, regional & Commonwealth agencies for projects that improve highway safety, mobility & reduce congestion

#### Eligibility

- Local Governments
- Metropolitan Planning Organization
- Rural Planning Organization
- County Planning Organization
- Commonwealth Agencies

#### Categories

- Roadway Safety, Mobility and Capacity
- Bicycle and Pedestrian Improvements
- LTAP Projects
- Traffic Signal Improvements

#### Match Requirements

ARLE funds do not require a match. Cost Sharing is encouraged.

#### Application

Applications are accepted annually.

#### Anticipated Funding

Between \$3 – \$18 million available each year.

More Info: [Google Penndot ARLE](#)

Contact: [ARLE@pa.gov](mailto:ARLE@pa.gov)

### Municipal Service Payments to County & Local Governments

#### Municipal Liquid Fuels Program

- Funds a range of projects to support municipalities in construction & maintenance of public roads
- Allocation based on population & miles of road on the approved Liquid Fuels Inventory

#### County Liquid Fuels Program

- Funds a range of projects to support construction & maintenance of county roads & bridges
- Allocation based on historical gas consumption rates
- Annual Report submission required

#### County Fee for Local Use Fund

- Established under Act 89
- \$5 fee for local use on nonexempt vehicles registered to an address in the county
- Used for transportation purposes

All Subject to Eligibility Requirements

More Info: [Google Penndot Local Government](#)

### Redevelopment Assistance Capital Program (RACP)

The RACP is a Commonwealth grant program administered by the Office of the Budget for the design, acquisition and construction of regional economic, cultural, civic, recreational, and historical improvement projects. Projects should have a regional or multi-jurisdictional impact and generate substantial increases or maintain current levels of employment, tax revenues, or other measures of economic activity. RACP projects are state-funded projects that cannot obtain primary funding under other state programs.

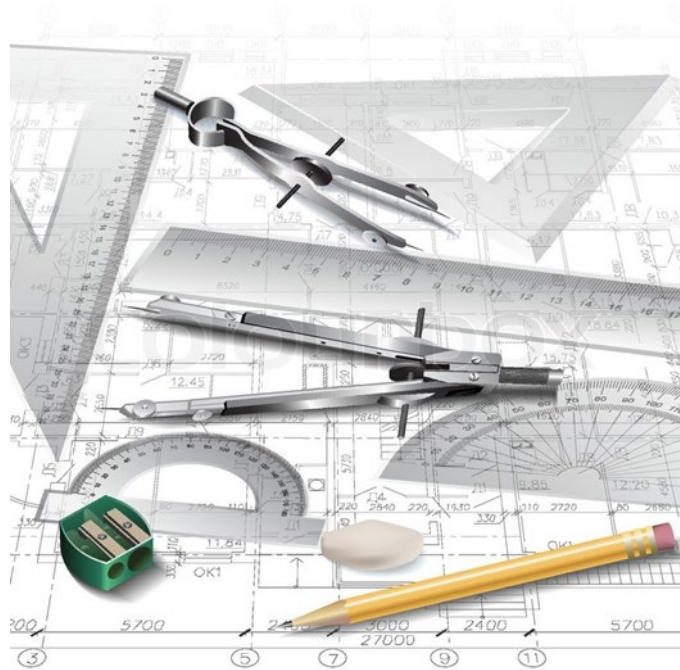
More Info: [Google PA RACP](#)



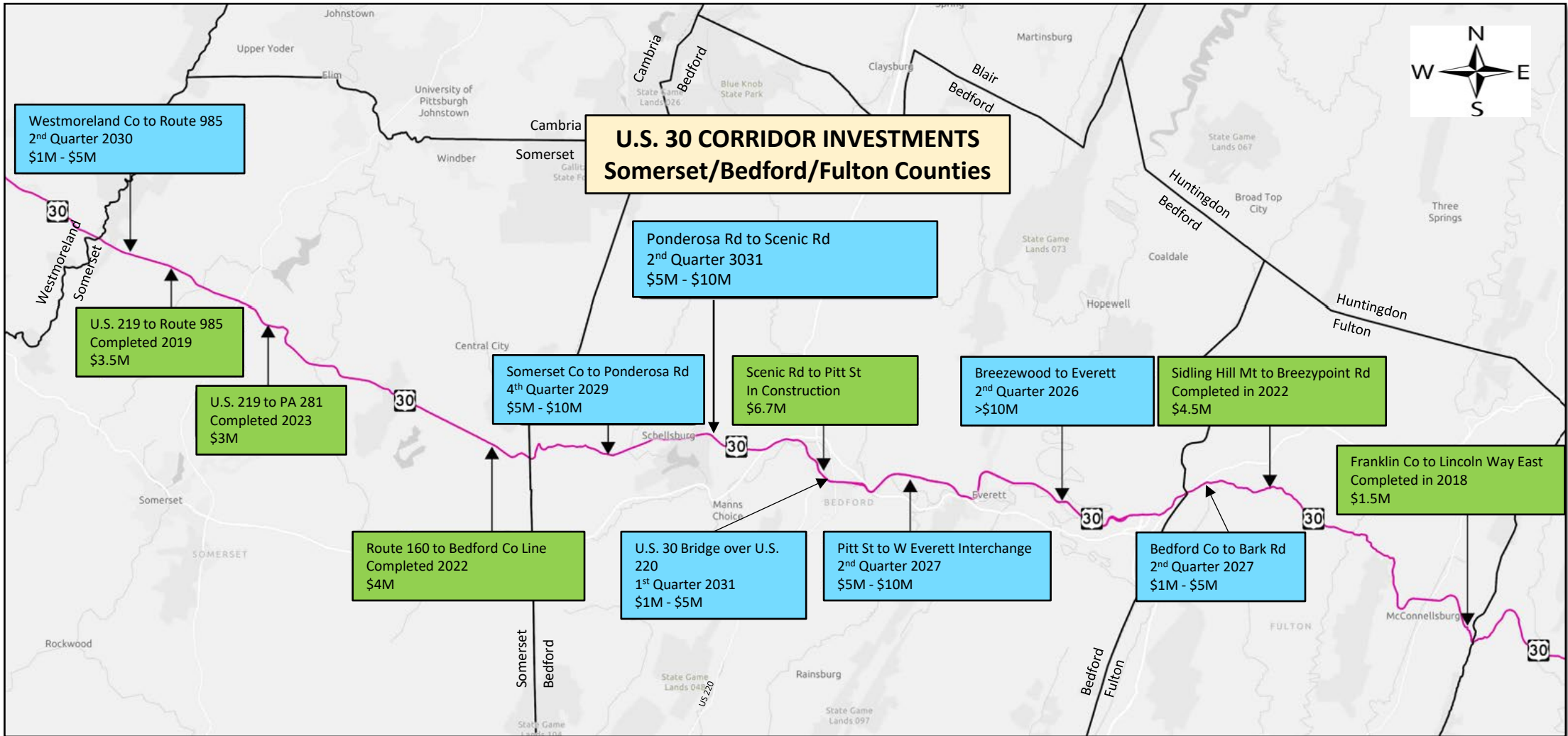
Pennsylvania  
Department of Transportation



# Current Design Projects



# U.S. 30 CORRIDOR INVESTMENTS

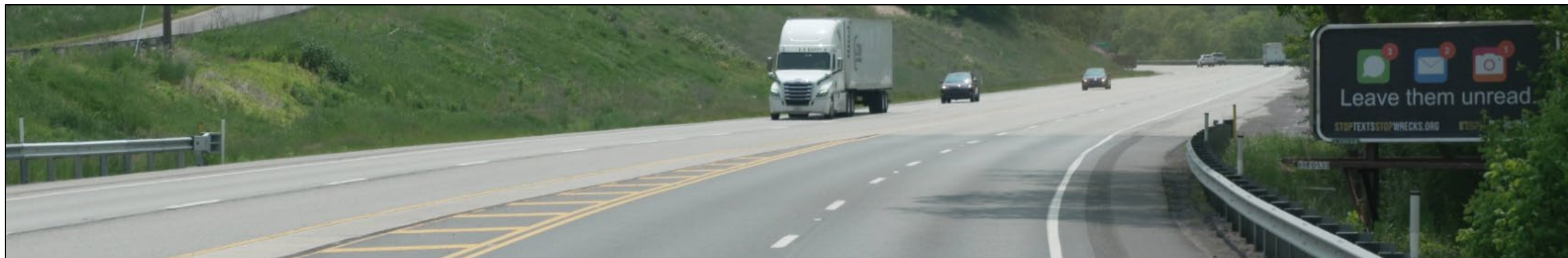


**Previous Investments: \$23M**

**Programmed Investments: \$45M - \$50M**

**Total Investments: \$68M - \$73M**

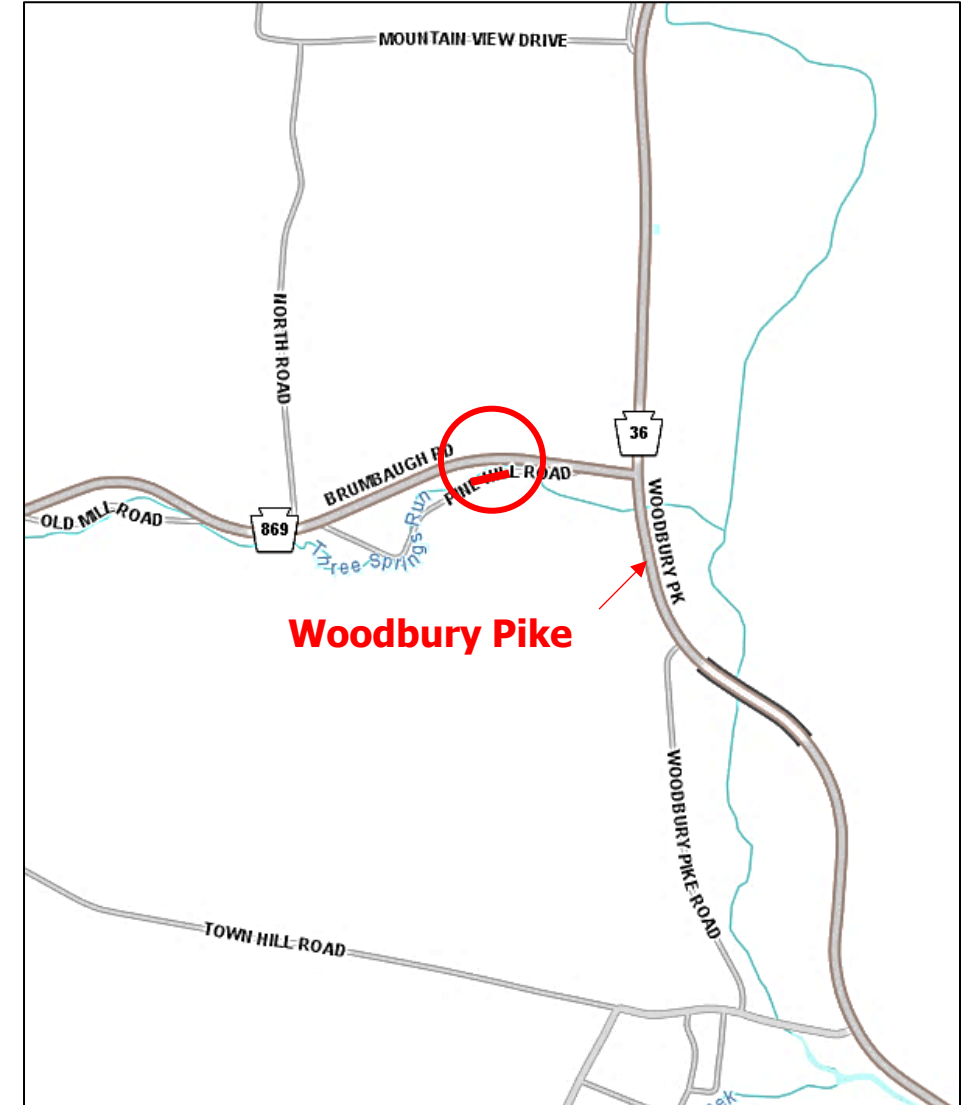
# U.S. 30 – PITT ST (RT 4010) TO EVERETT (RT 8014)



- **Project Type:** Resurfacing
- **Location:** On U.S. 30 (Lincoln Highway) from Route 4010 (Pitt Street) to Route 8014 (Everett) in Snake Spring and West Providence Townships and Everett Borough
- **Construction Estimate:** \$5.0 - \$10.0 Million
- **Anticipated Bid Opening:** 2<sup>nd</sup> Quarter 2027



# T-705 PINE HILL ROAD OVER THREE SPRINGS RUN (BRIDGE 2)

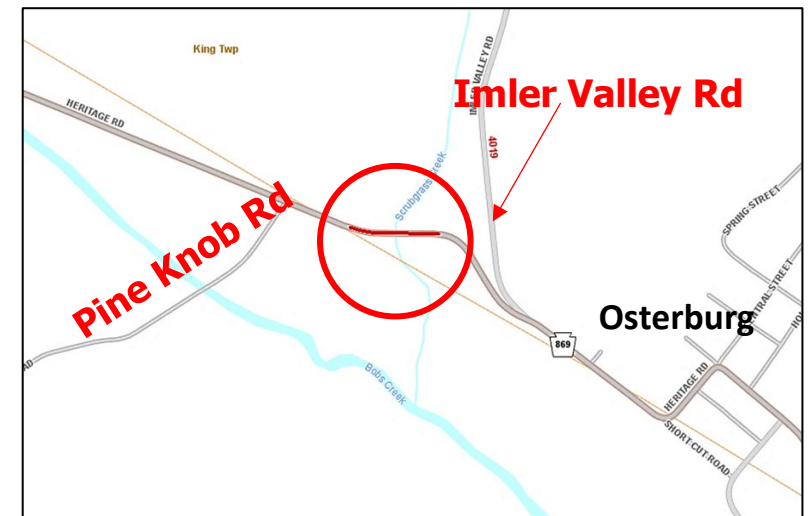


- **Project Type:** Bridge Replacement
- **Location:** On T-705 (Pine Hill Road) over Three Springs Run in South Woodbury Township
- **Construction Estimate:** \$1.0 - \$5.0 Million
- **Anticipated Bid Opening:** 3<sup>rd</sup> Quarter 2026

# ROUTE 869 OVER SCRUBGRASS CREEK



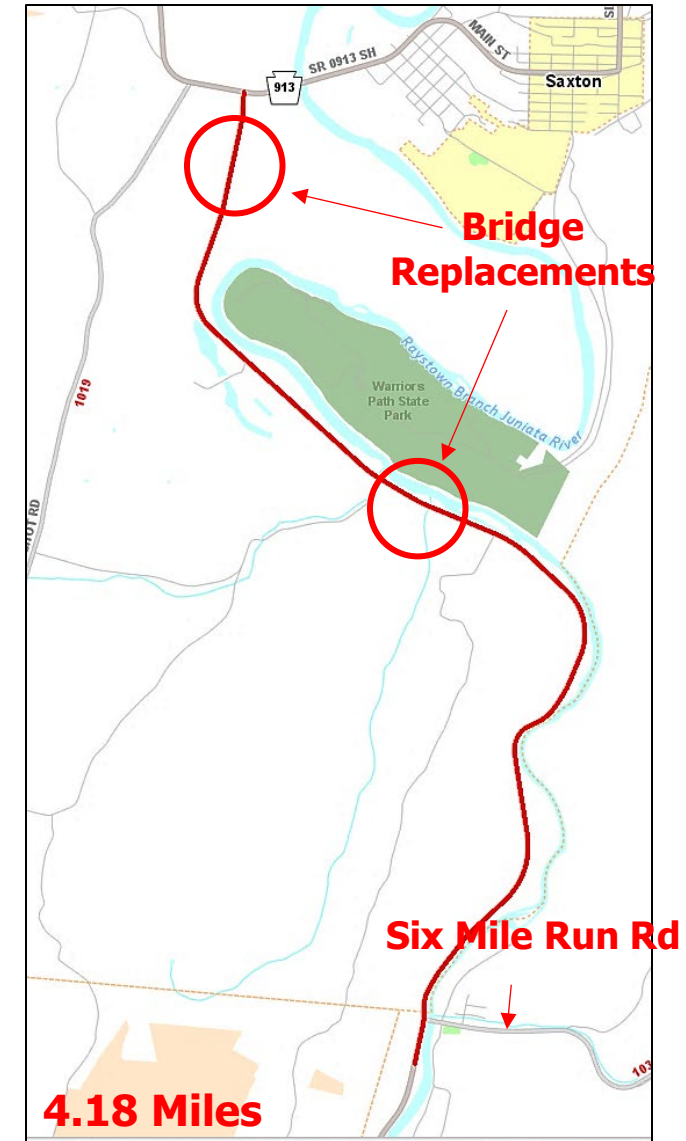
- **Project Type:** Bridge Replacement
- **Location:** On Route 869 (Heritage Road) over Scrubgrass Creek in King Township
- **Construction Estimate:** \$1.0 - \$5.0 Million
- **Anticipated Bid Opening:** 3<sup>rd</sup> Quarter 2027



# ROUTE 26 - RIDDLESBURG TO SAXTON



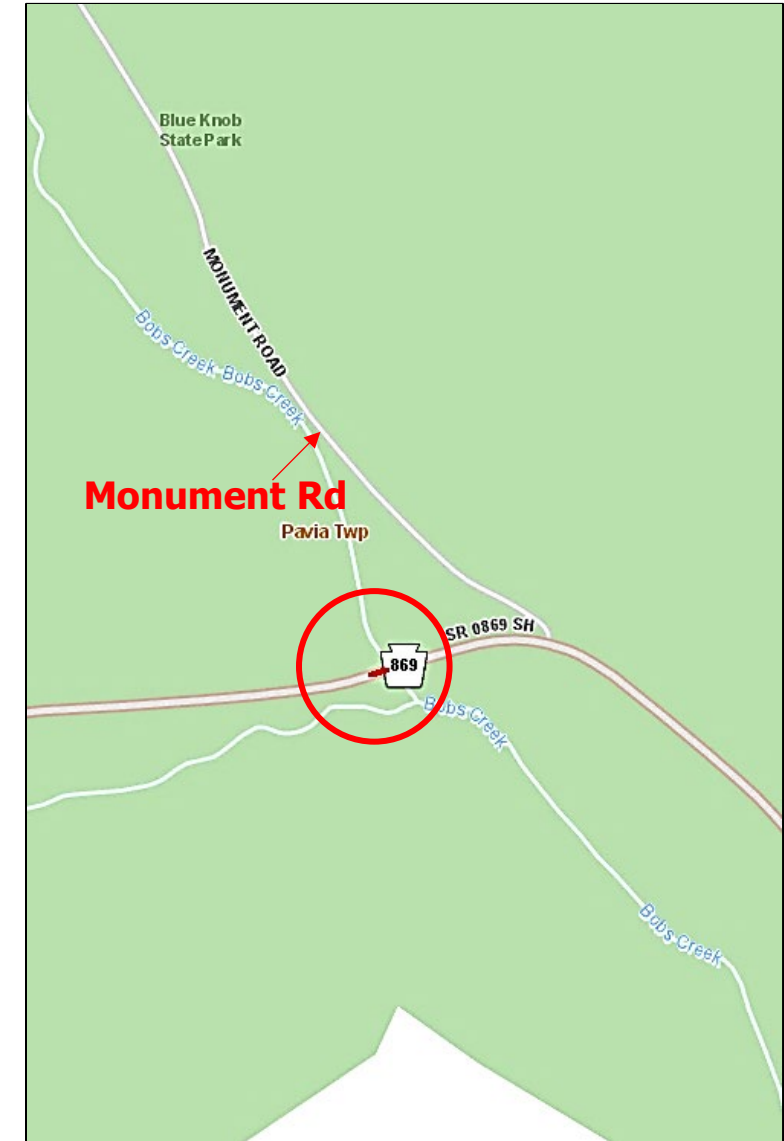
- **Project Type:** Resurfacing and Bridge Replacements
- **Location:** On Route 26 (Raystown Road) from Route 1036 (Six Mile Run Road) to Route 913 in Liberty and Broad Top Townships
- **Construction Estimate:** \$1.0 - \$5.0 Million
- **Anticipated Bid Opening:** 4<sup>th</sup> Quarter 2027



# ROUTE 869 OVER BOBS CREEK BRIDGE



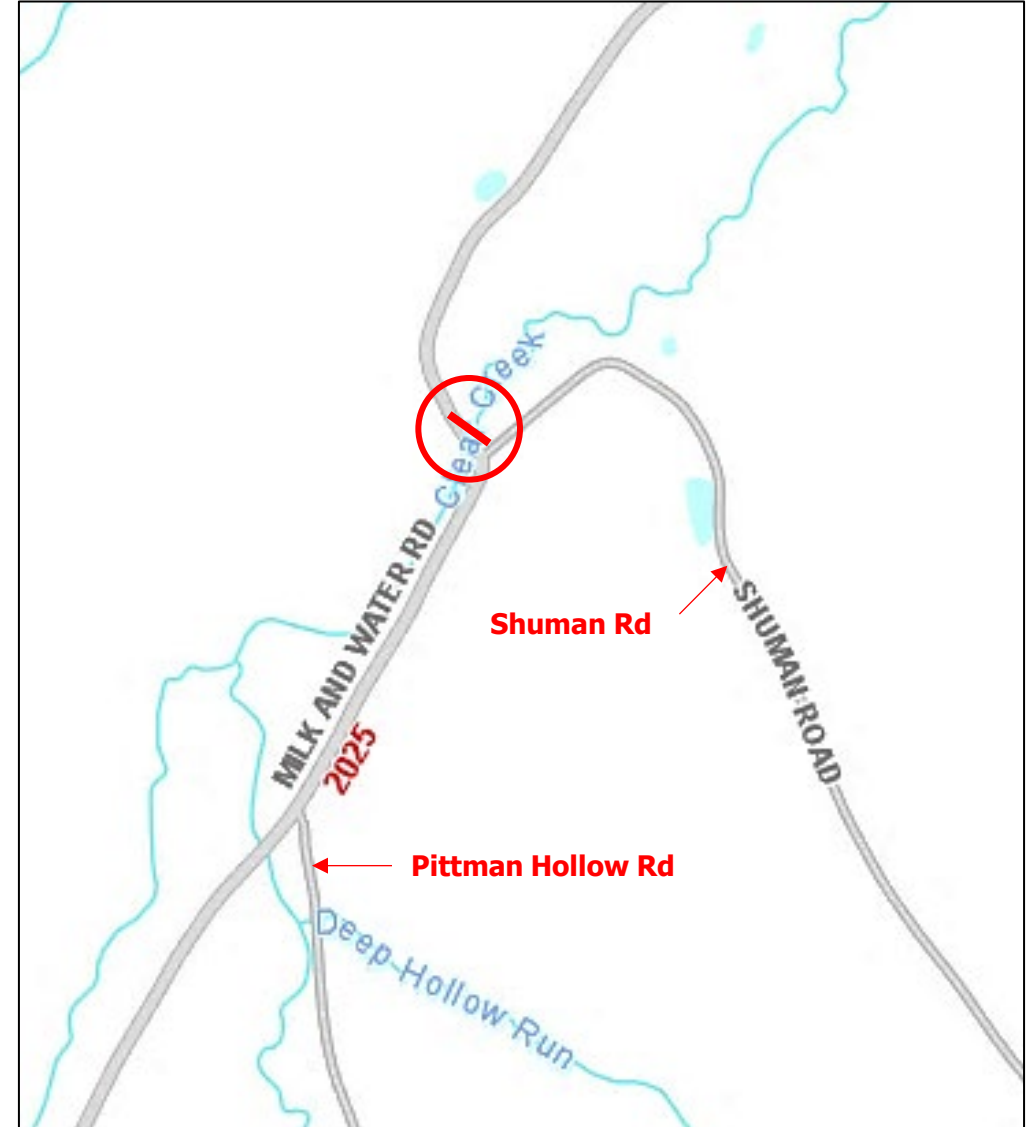
- **Project Type:** Bridge Replacement
- **Location:** On Route 869 (Burnt House Road) over Bobs Creek in Pavia Township
- **Construction Estimate:** \$1.0 - \$5.0 Million
- **Anticipated Bid Opening:** 4<sup>th</sup> Quarter 2027



# MILK AND WATER RD (RT 2025) OVER CLEAR CREEK



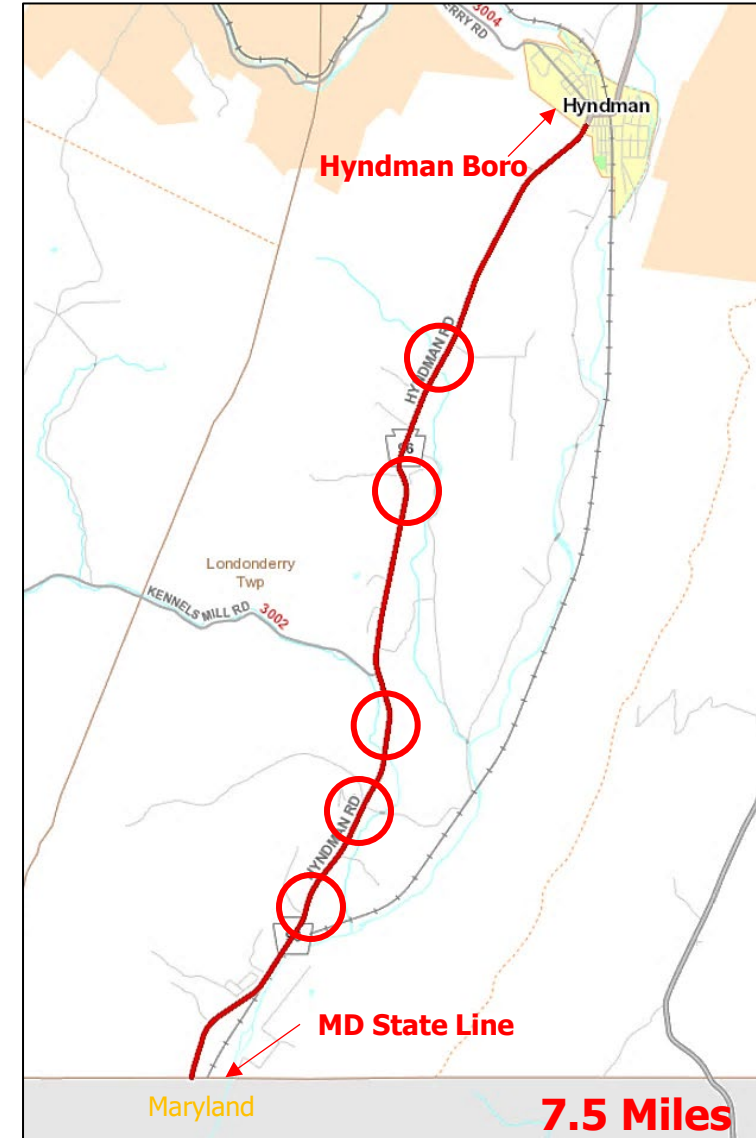
- **Project Type:** Bridge Replacement
- **Location:** State Route 2025 (Milk and Water Road) over Clear Water Creek, West Providence Township
- **Construction Estimate:** \$1.0 Million - \$5.0 Million
- **Anticipated Bid Opening:** 1<sup>st</sup> Quarter 2028



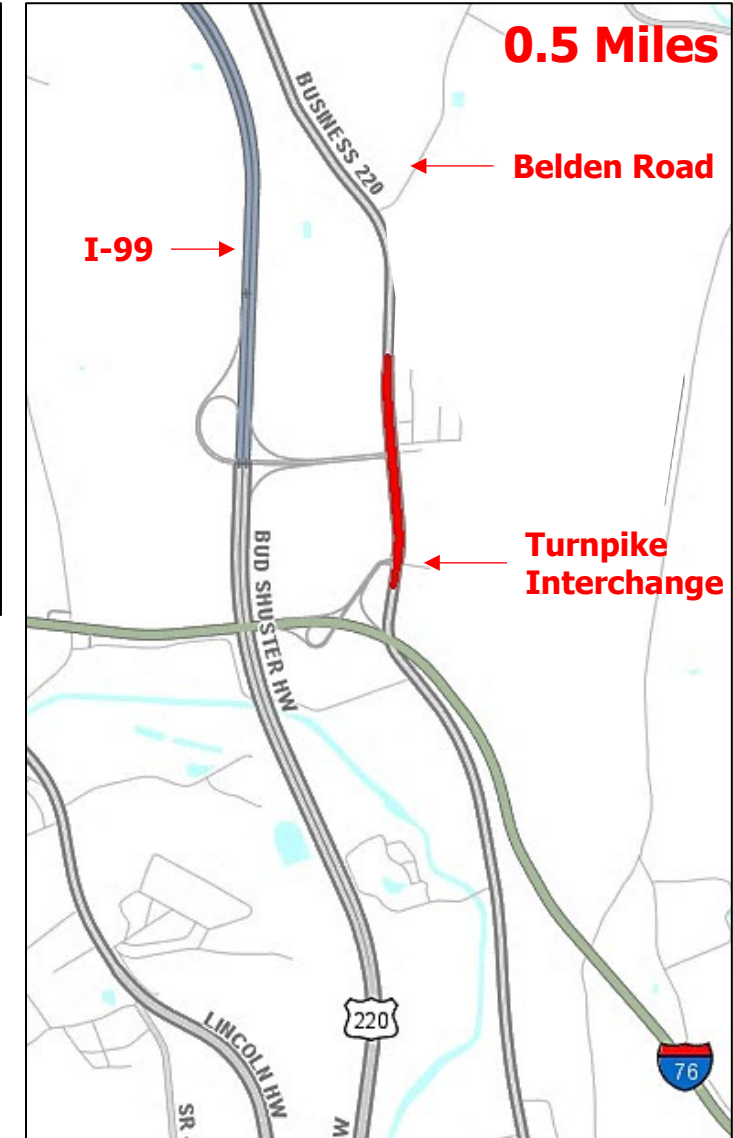
# PA 96 - MARYLAND LINE TO WASHINGTON STREET



- **Project Type:** Resurfacing and Bridge Preservation
- **Location:** On PA 96 (Hyndman Road/Schellsburg Street) from Maryland State Line to Center Street in Hyndman Borough and Londonderry Township
- **Construction Estimate:** \$5.0 - \$10.0 Million
- **Anticipated Bid Opening:** 1<sup>st</sup> Quarter 2028



# BUSINESS 220 (RT 4009) – CONCRETE TO CONCRETE



- **Project Type:** Roadway Reconstruction
- **Location:** State Route 4009 (Business 220) from end of concrete to end of concrete in Bedford Township
- **Construction Estimate:** Greater than \$10.0 Million
- **Anticipated Bid Opening:** 1<sup>st</sup> Quarter 2029

# Questions

