



PENNDOT DISTRICT 9 COMMUNITY OUTREACH

VINCENT S. GREENLAND, P.E.
DISTRICT EXECUTIVE

AGENDA

Vince Greenland, District Executive

- Greeting and Introductions/Agenda Summary
- Transportation Update

Joe Casper, Assistant Construction Engineer

- Construction Project Update
- Overview for 2026 Construction Season

Luke Llewellyn, County Maintenance Manager

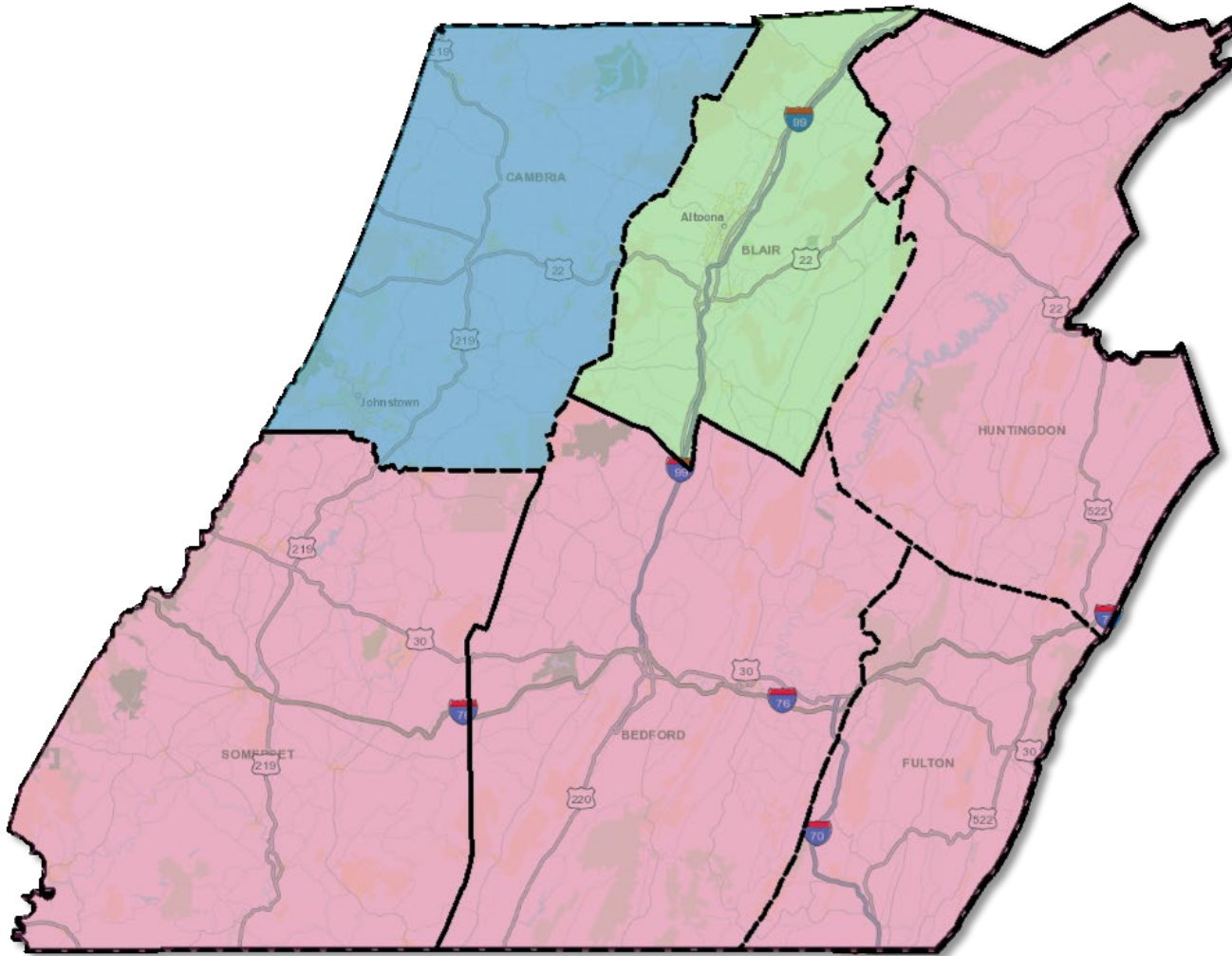
- Winter Wrap-up
- County Funded Improvements

James Pruss, Assistant District Executive, Design

- Bridge Maintenance
- Future Projects

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

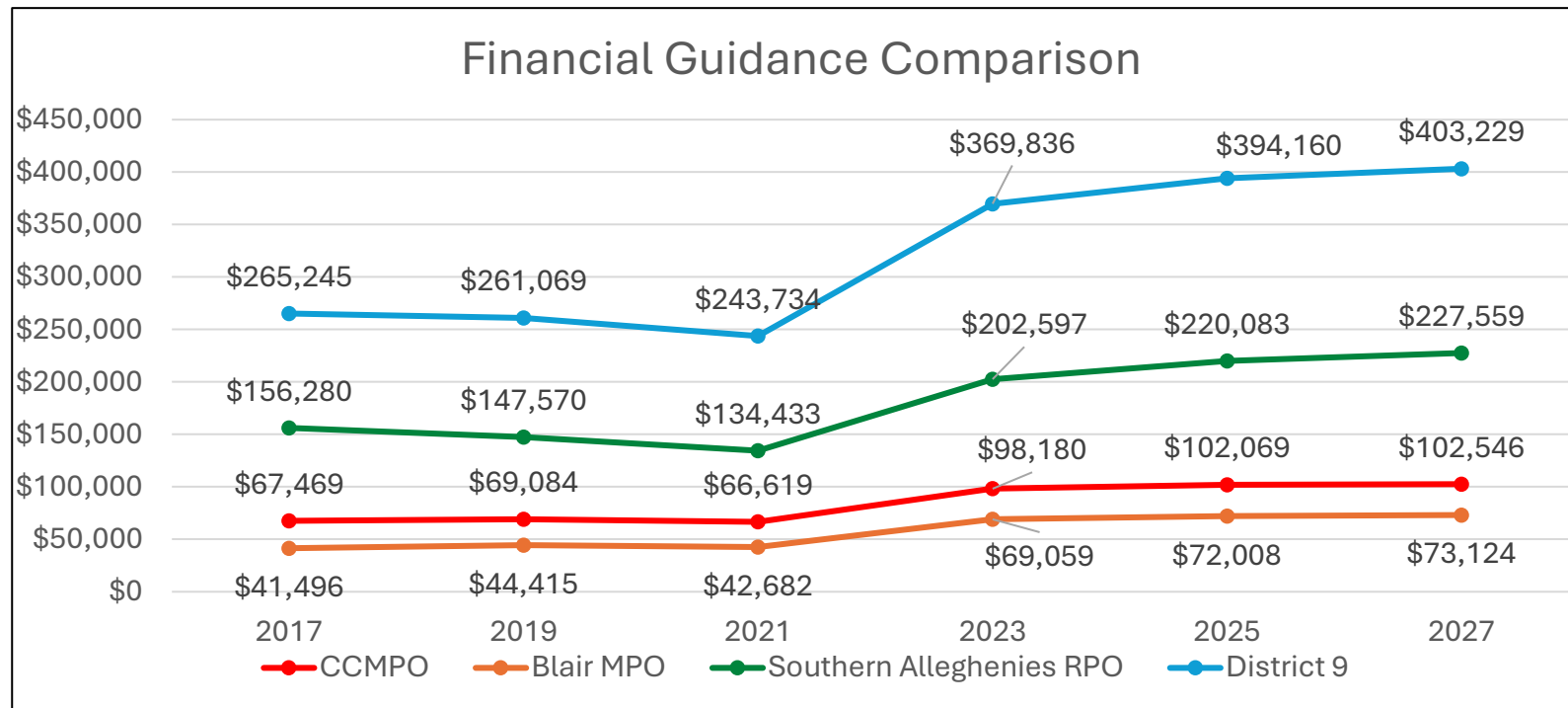
- Total Miles: 4,004
- Average Year Built: 1952
- Average Resurfacing Year: 2014

*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.



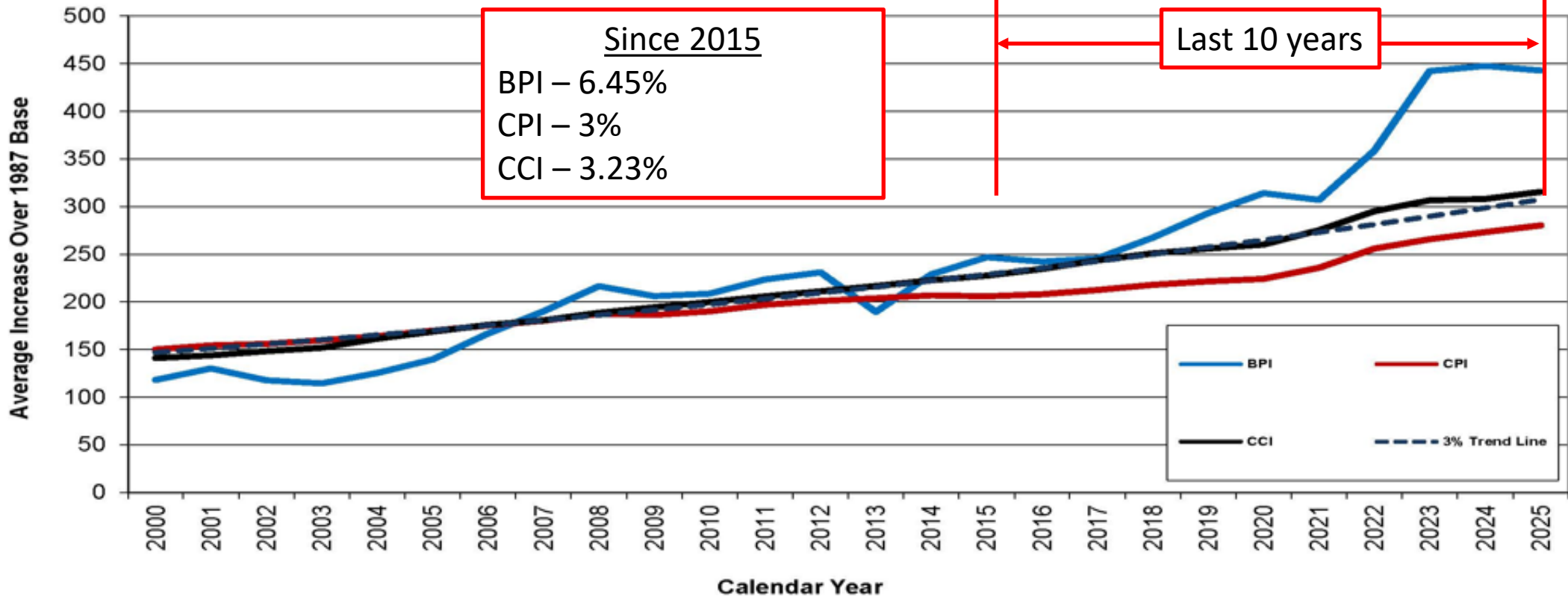
TIP FINANCIAL GUIDANCE COMPARISON

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%
District 9-0	\$ 265,245	\$ 261,069	\$ 243,734	\$ 369,836	\$ 394,160	\$ 403,229	\$ 9,069	2.3%



INFLATION INDICIES

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



TYPICAL SMALL BRIDGE PROJECT

The Cost to make a Project Shovel Ready:

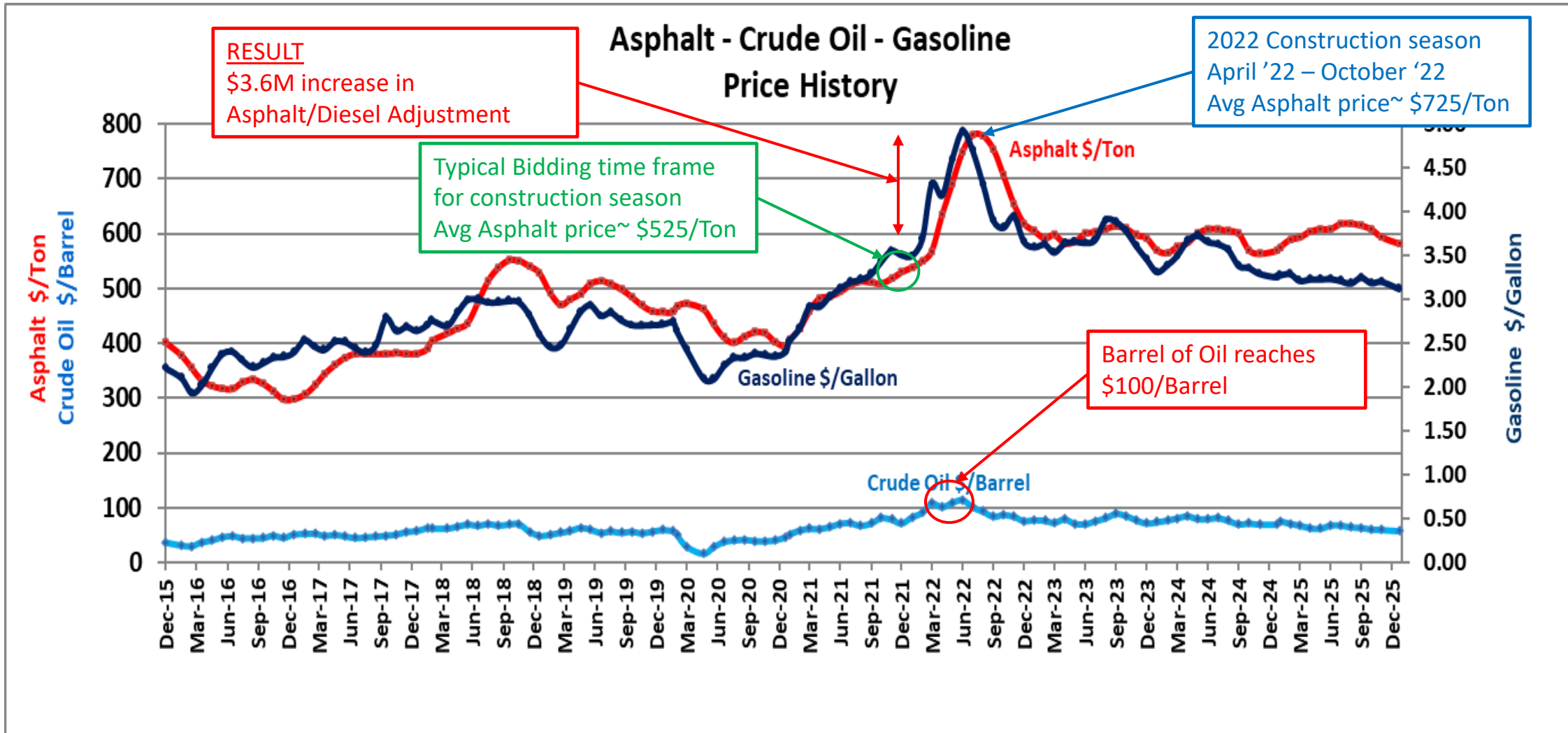
Avg Construction: \$1,000,000

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

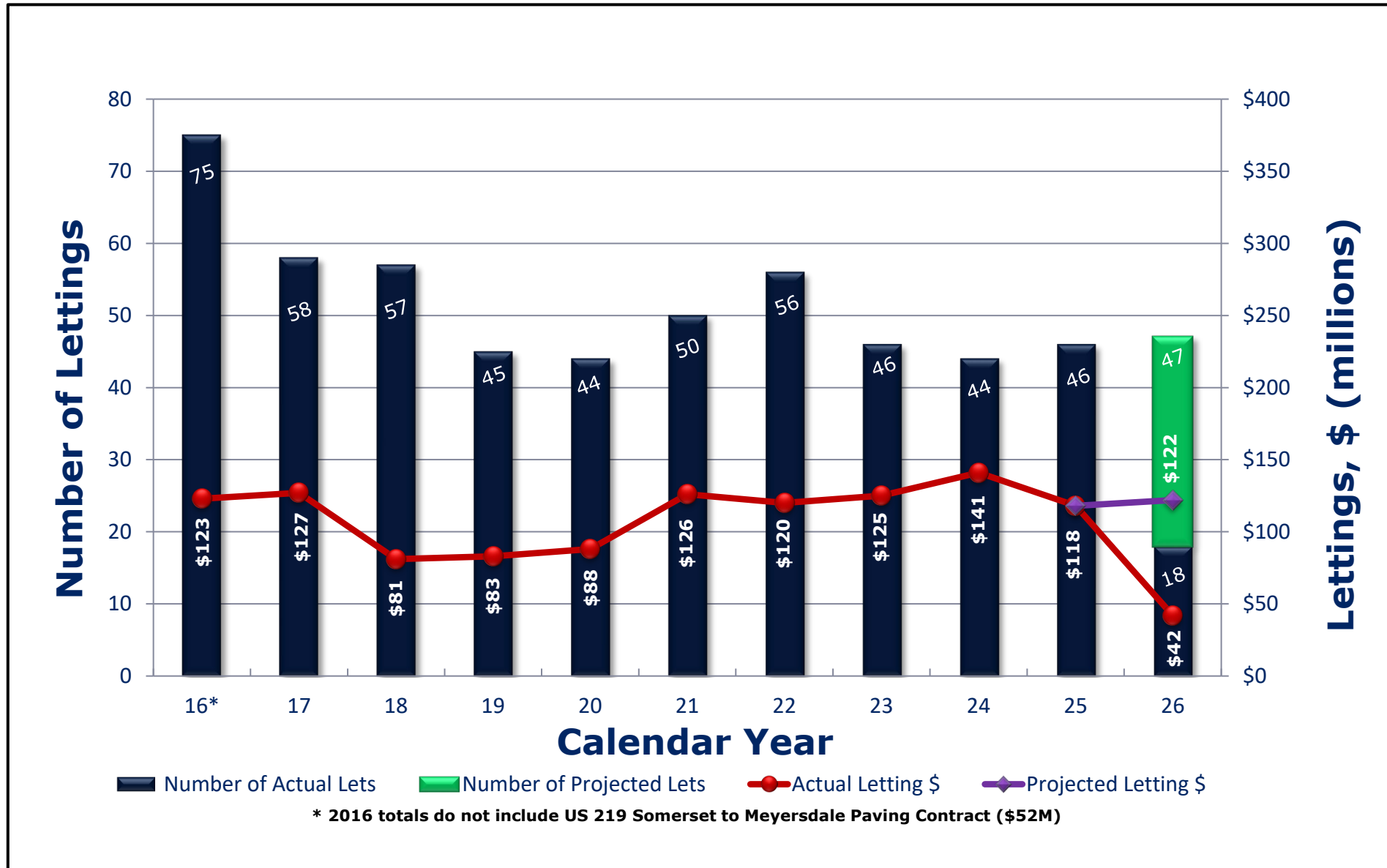


2024-2026 CY BID OPENINGS

	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



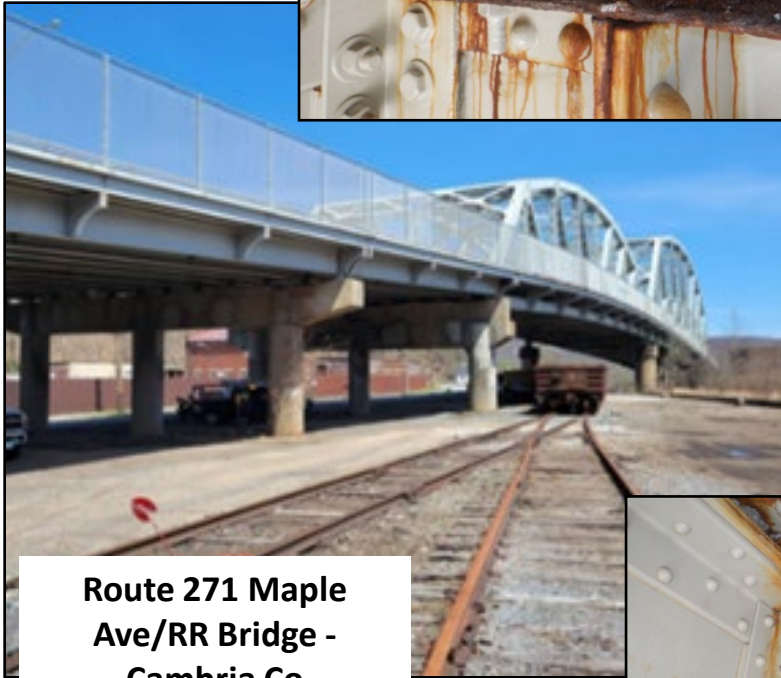
Bridge Challenges



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

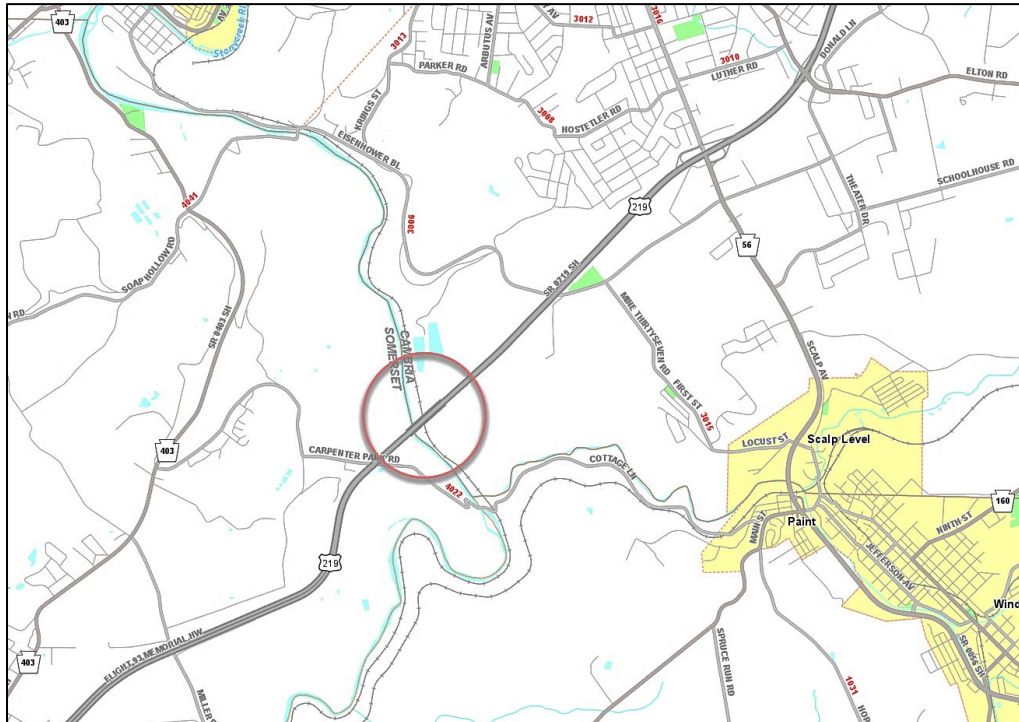


U.S. 22 Alfarata Bridge - Huntingdon Co

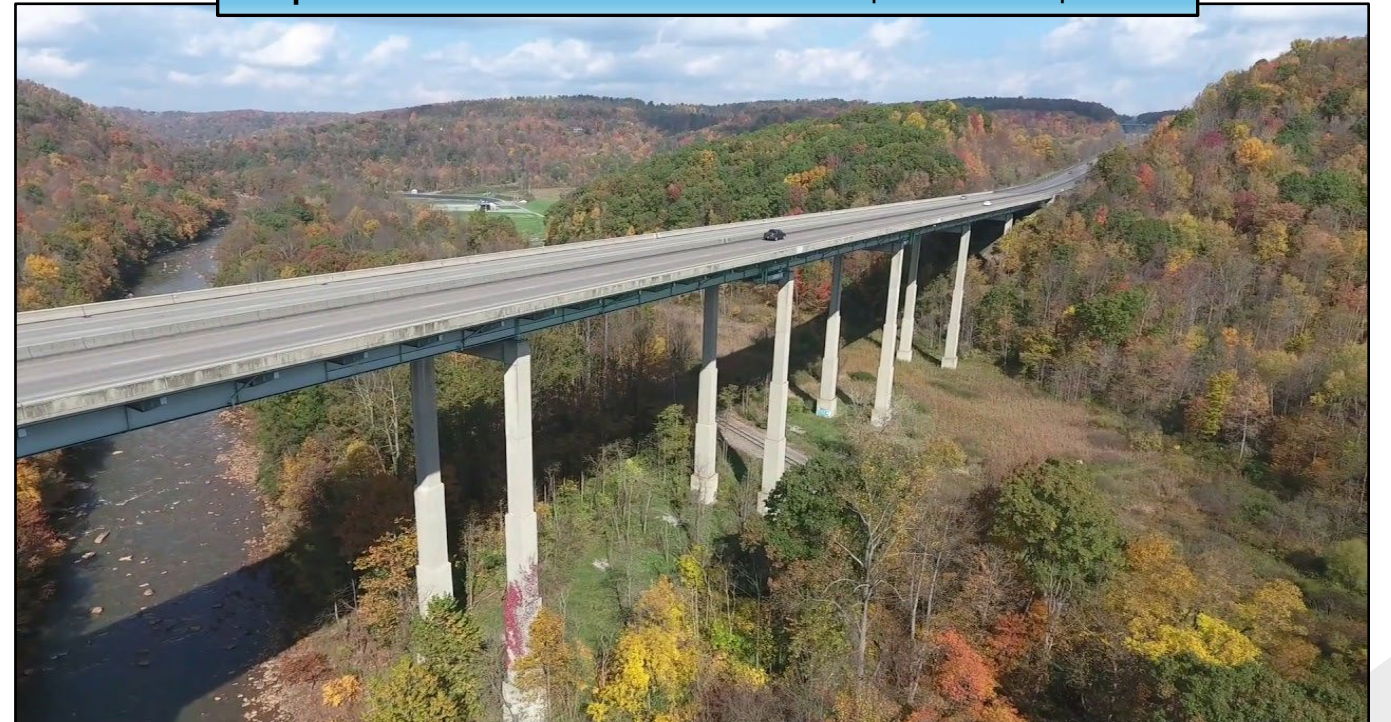
MCNALLY BRDG STUDY – CAMBRIA / SOMERSET COUNTIES

U.S. 219 over CSX Railroad and Stonycreek River

- Conemaugh Township, Somerset County
- Richland Township, Cambria County
- **Estimated Study Cost: \$700,000**
- **Estimated Study Completion: 2026**



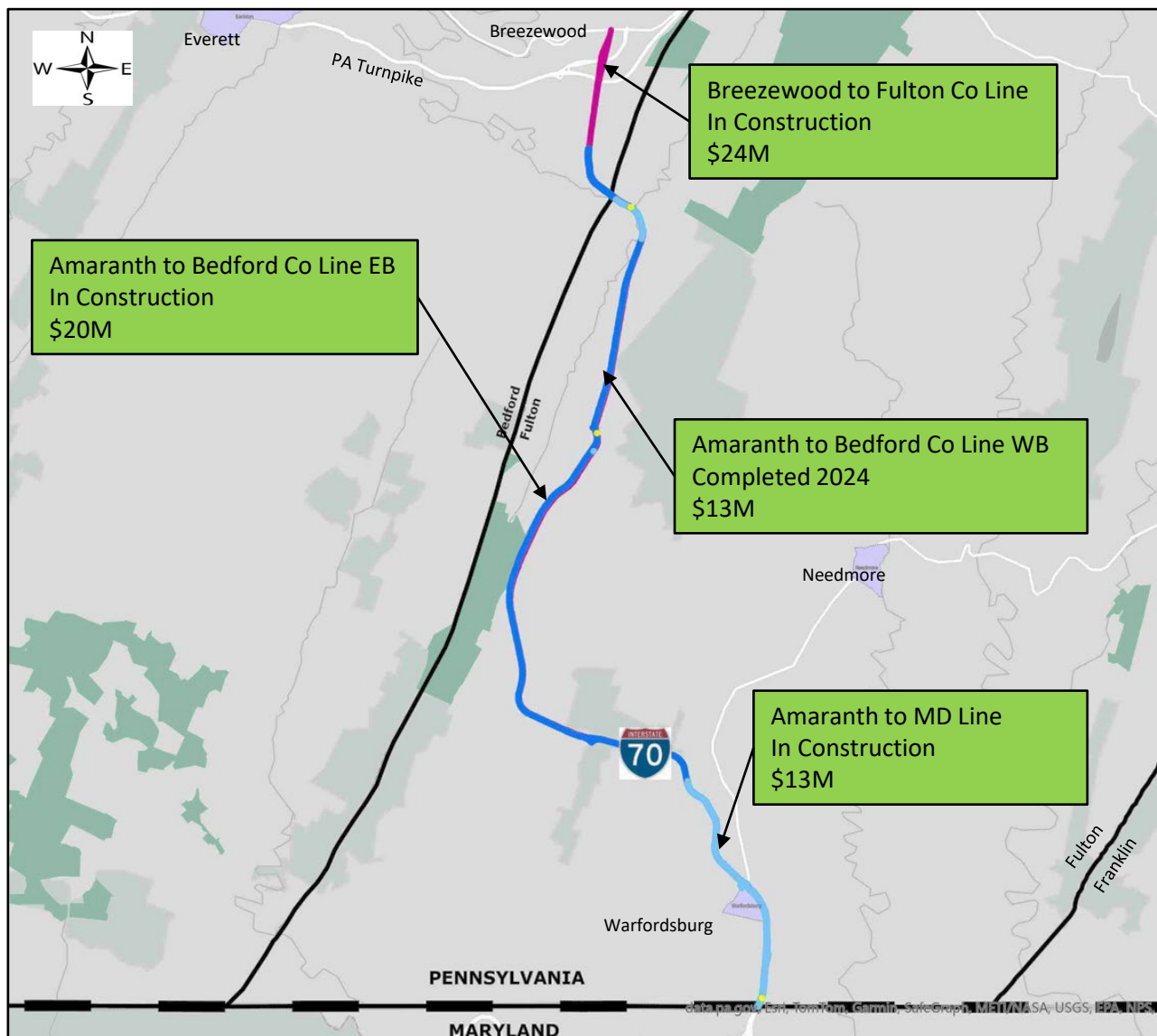
Replacement Cost Estimate: \$70M to \$80M



Roadway Challenges

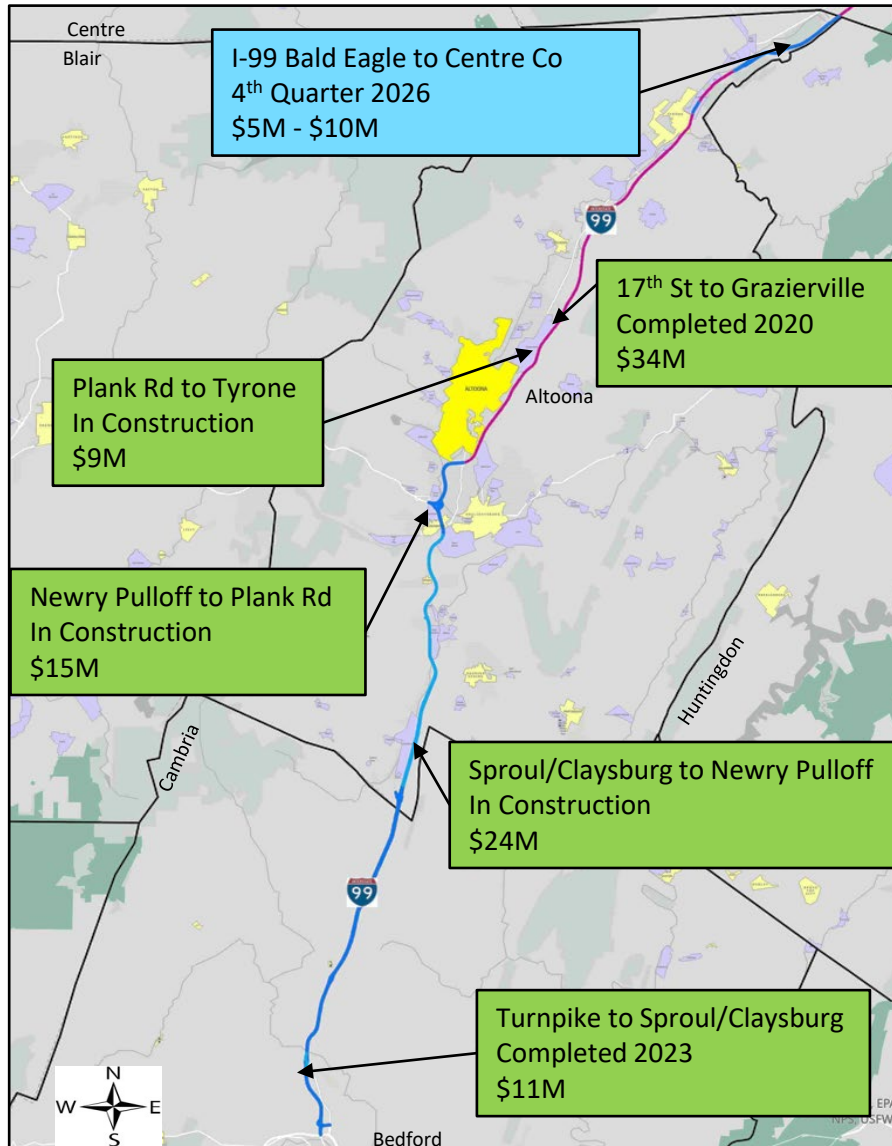


I-70 CORRIDOR INVESTMENTS



Total Investments: \$70M

I-99 CORRIDOR INVESTMENTS

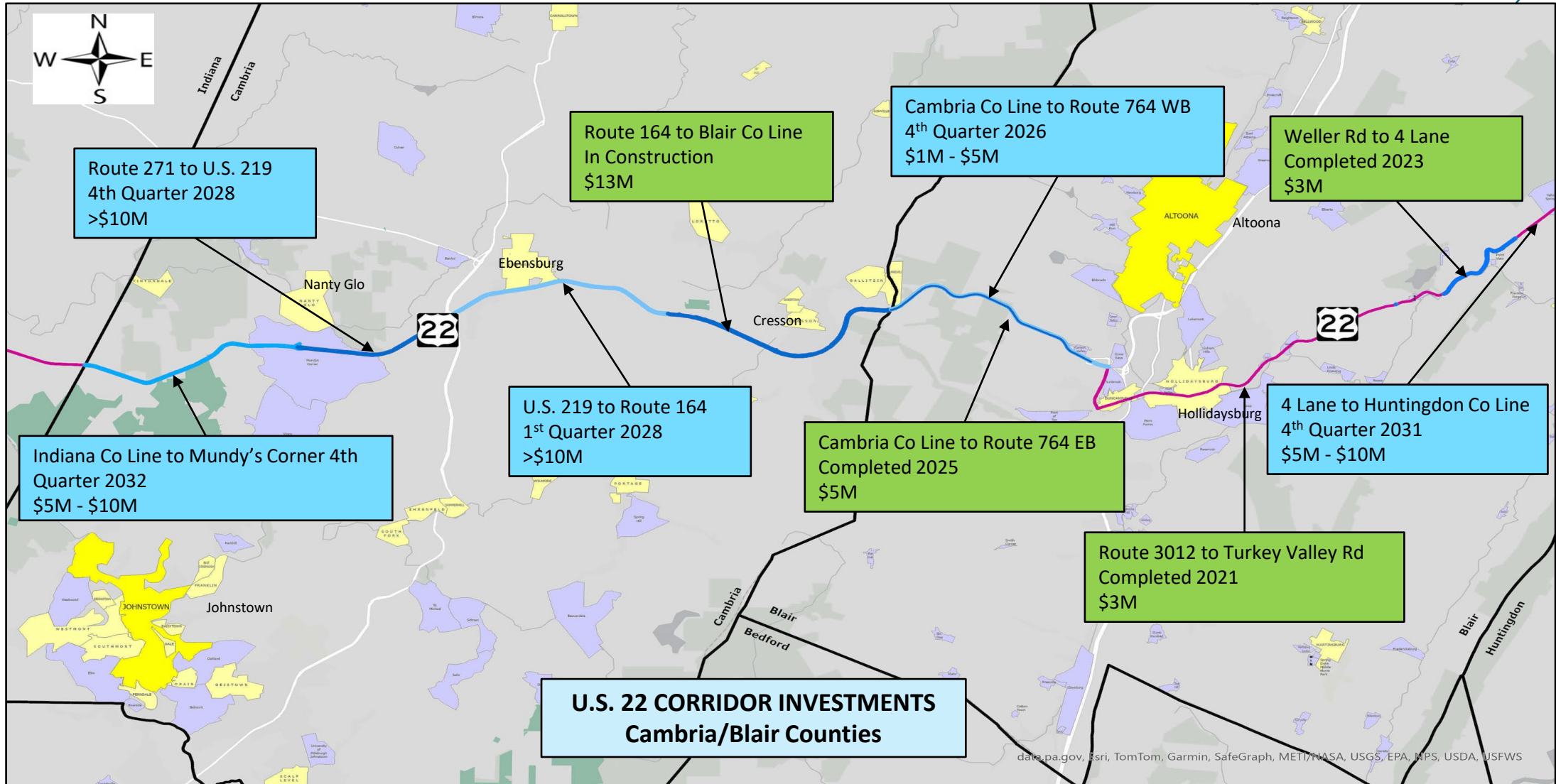


Previous Investments: \$93M

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

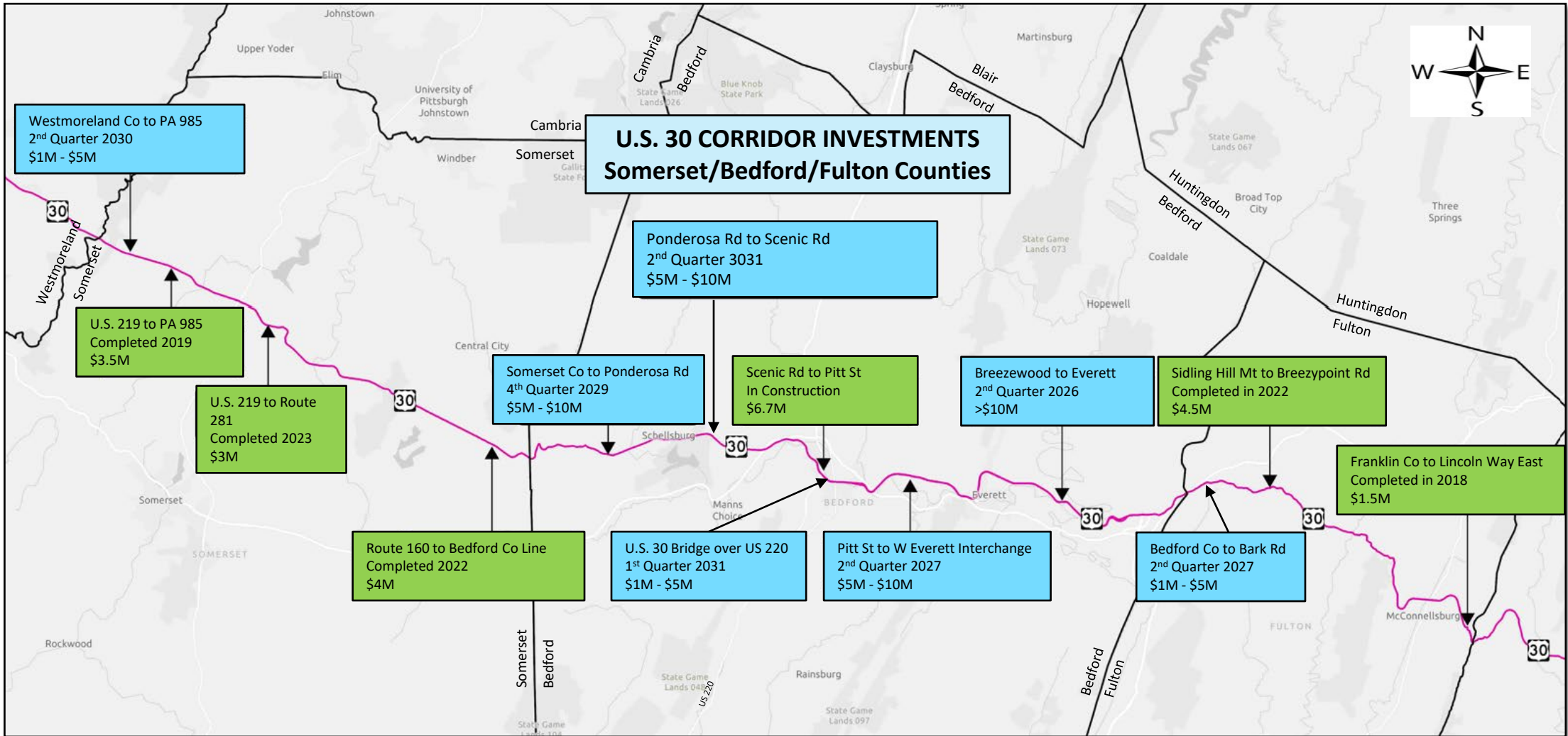
Total Investments: \$98M - \$103M

U.S. 22 CORRIDOR INVESTMENTS



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

U.S. 30 CORRIDOR INVESTMENTS

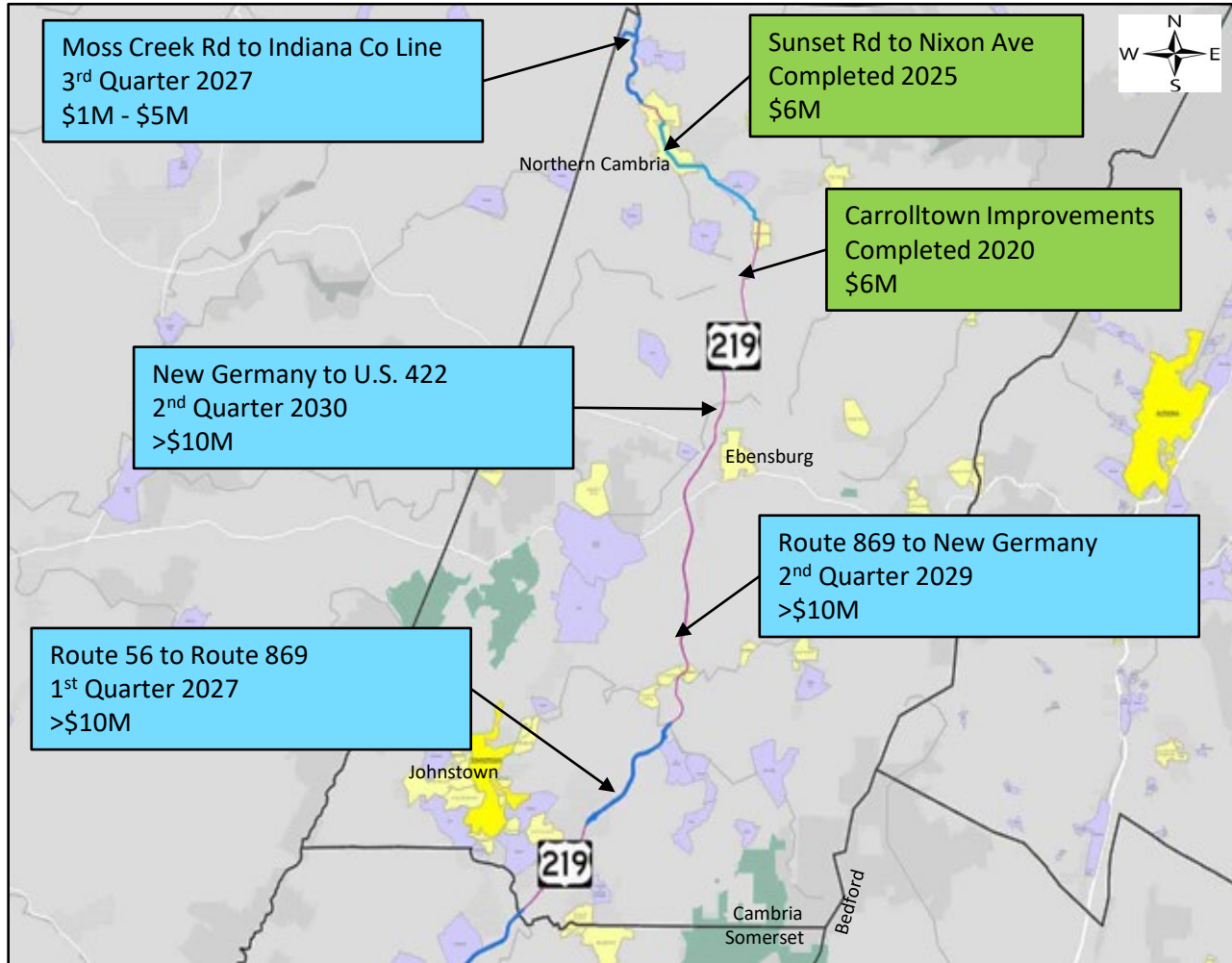


Previous Investments: \$23M

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

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

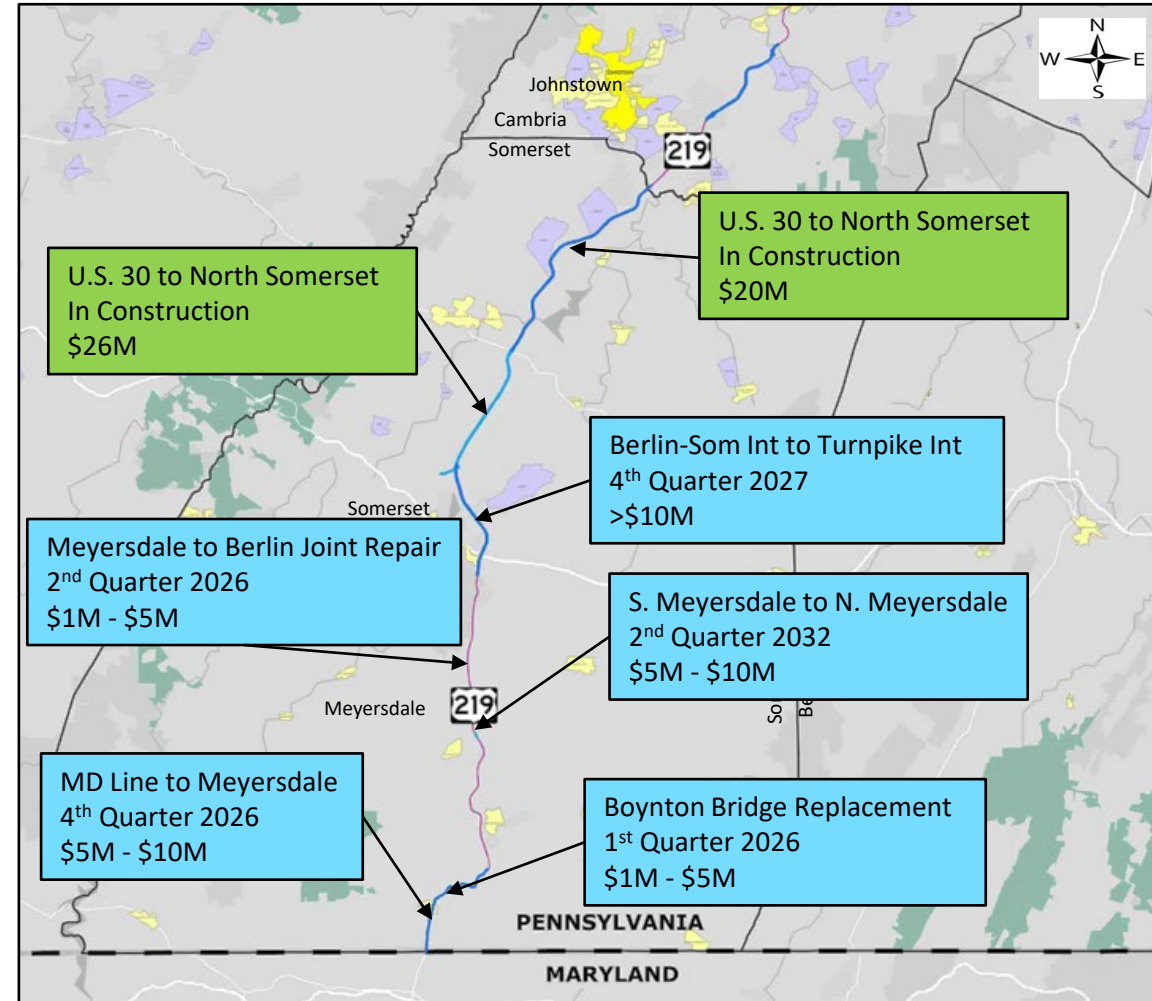
U.S. 219 CORRIDOR INVESTMENTS



CAMBRIA COUNTY

Previous Investments: \$52M

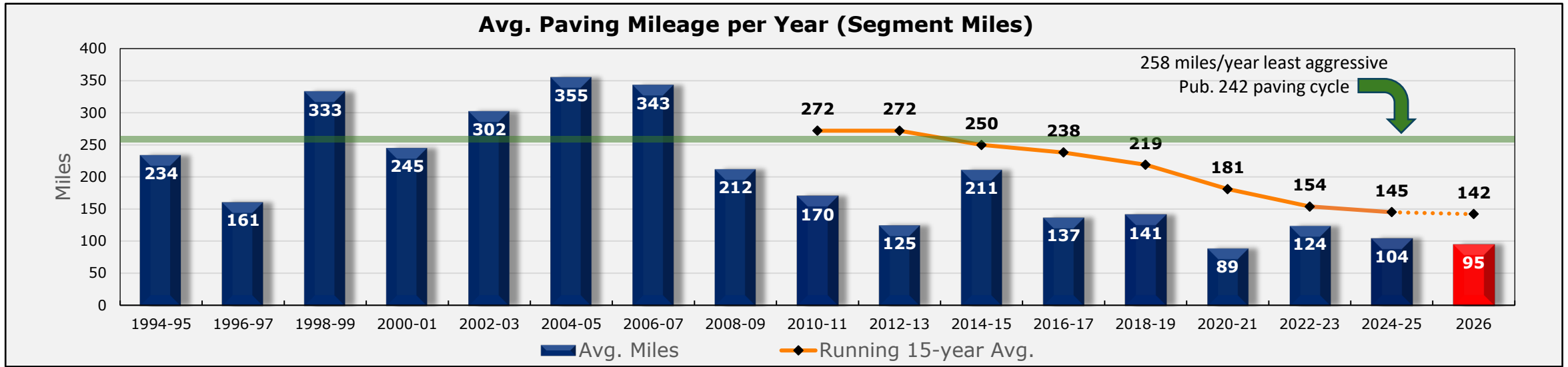
Programmed Investments: \$82M - \$92M



SOMERSET COUNTY

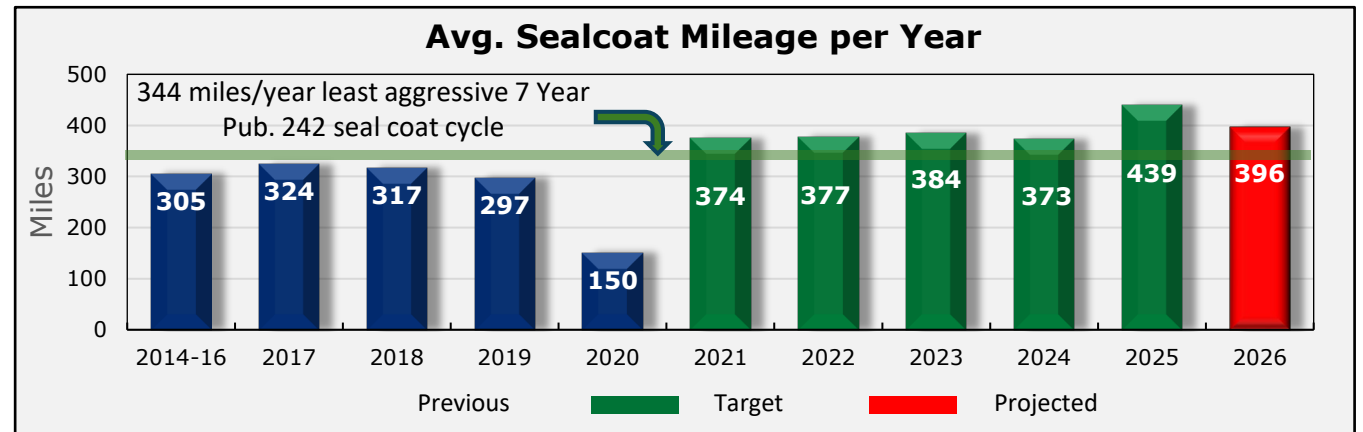
Total Investments: \$134M - \$144M

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



BE SAFE ON OUR ROADWAYS!



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

SPEED LIMIT 35

 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)



CAMBRIA COUNTY CONSTRUCTION PROJECTS

JOSEPH CASPER, ASSISTANT CONSTRUCTION MANAGER



Pennsylvania
Department of Transportation

AWARDED CONTRACTS



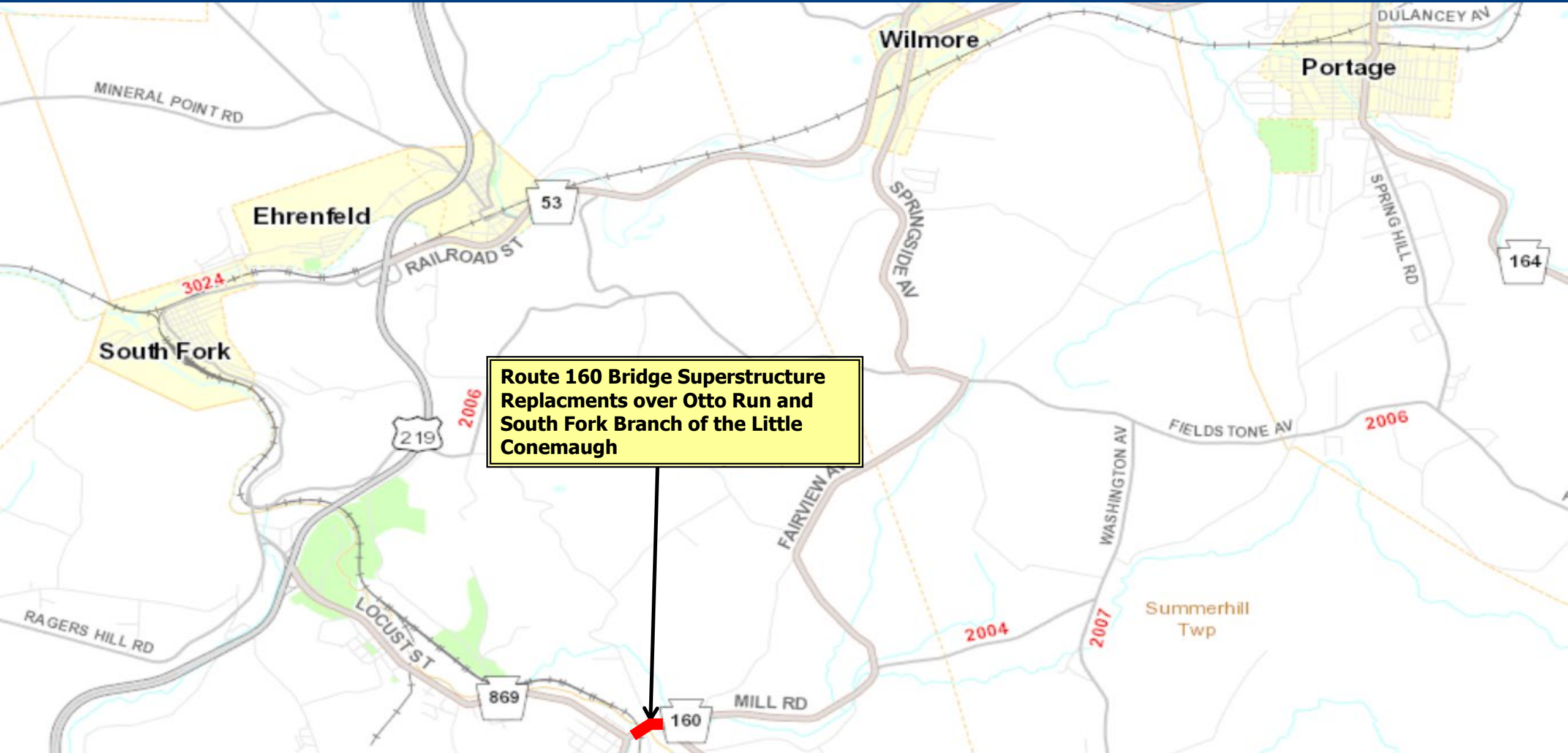
Pennsylvania
Department of Transportation

RT. 160 SIDMAN RT. 160 SUPER REPL.



- Scope:** Two Bridge Superstructure Replacements
- Traffic Control:** Detour of Route 160 (7.9 miles) and weekend detours of T-330 Plummer Road (4.6 miles)
- Construction Timeframe:** June – September 2026
- Anticipated Detour Implementation Date:** June 9, 2026
- Anticipated Date Detour to be Lifted:** August 7, 2026
- Contractor:** Merlo, Inc.
- Current Contract:** \$ 3,453,000

RT. 160 SIDMAN RT. 160 SUPER REPL.

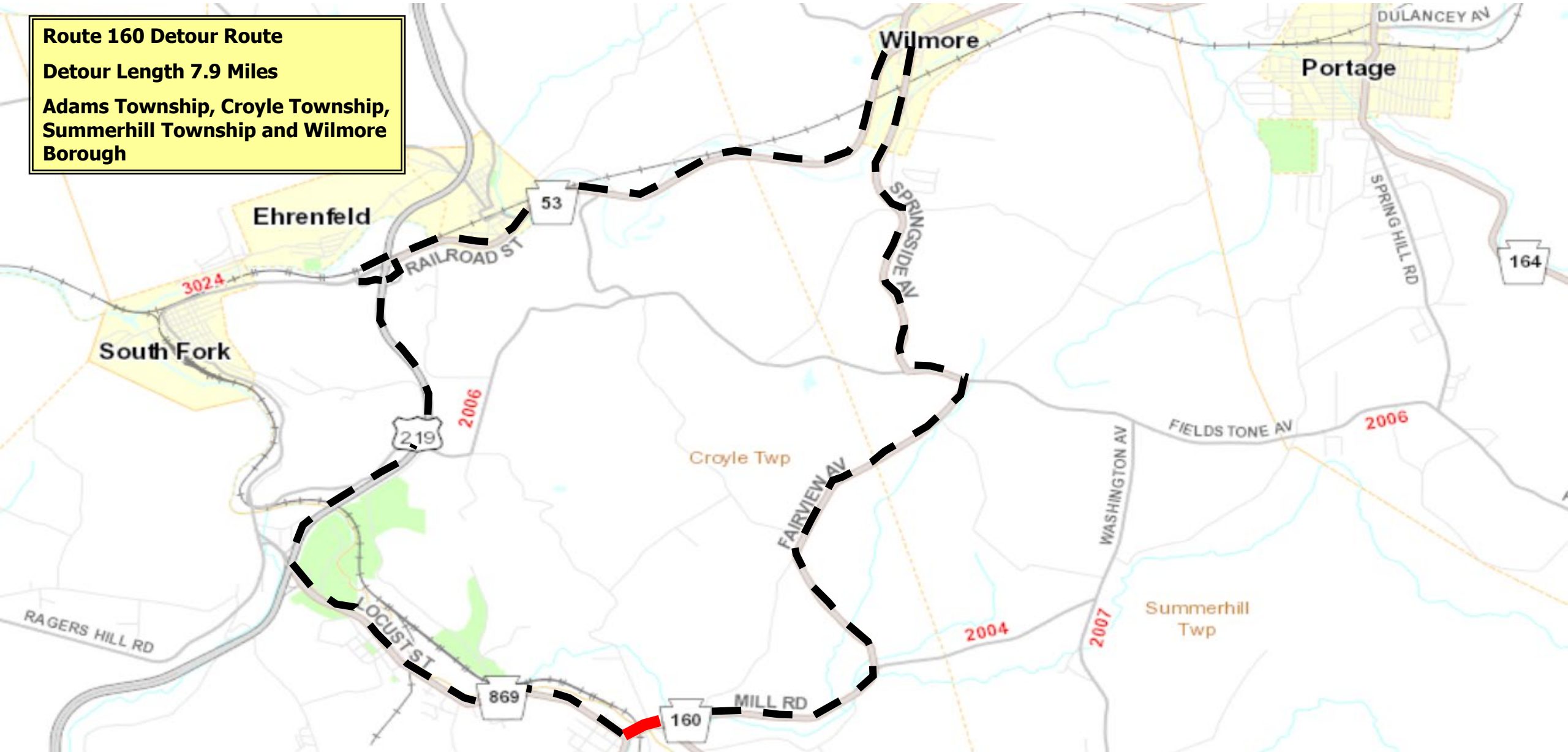


RT. 160 SIDMAN RT. 160 SUPER REPL.

Route 160 Detour Route

Detour Length 7.9 Miles

Adams Township, Croyle Township,
Summerhill Township and Wilmore
Borough



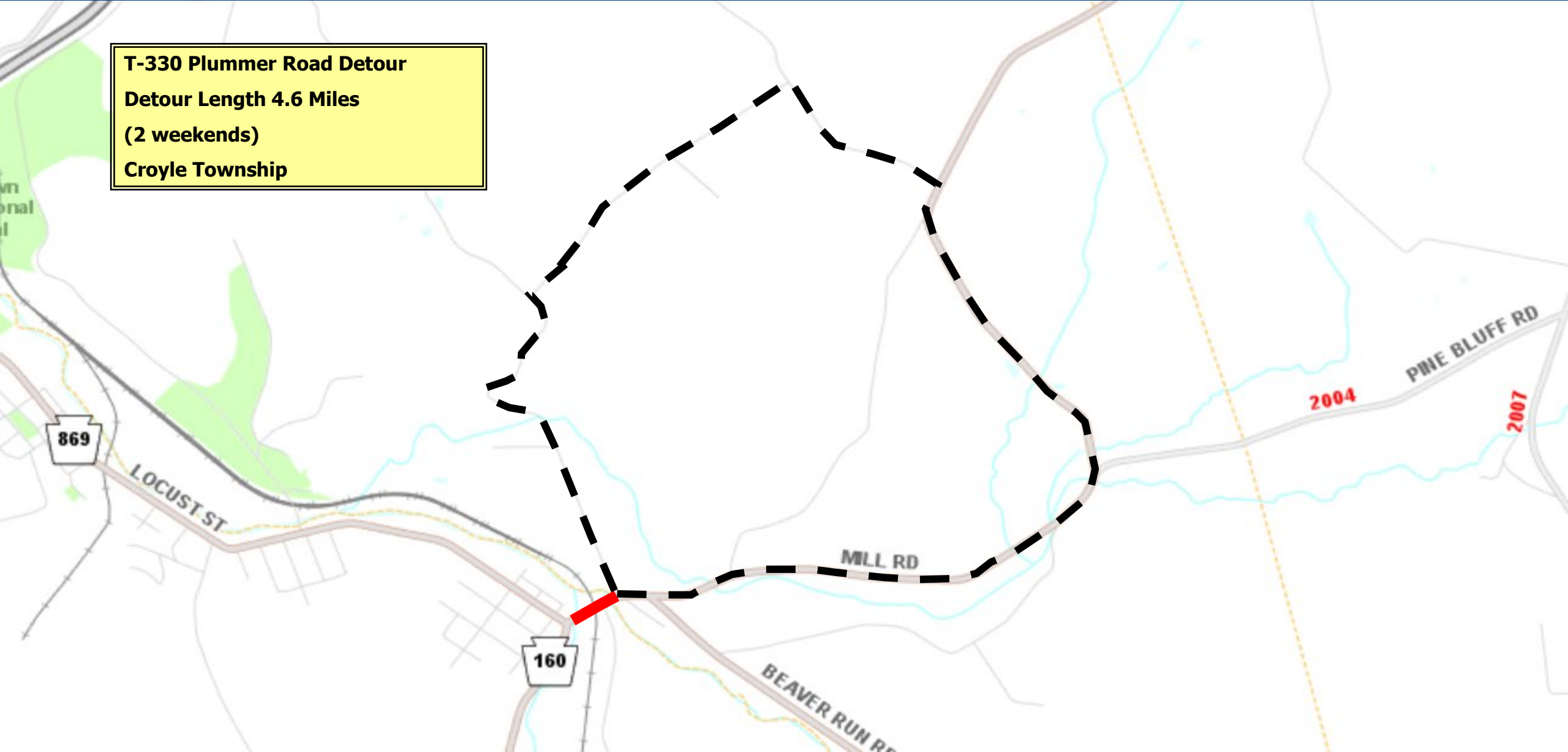
RT. 160 SIDMAN RT. 160 SUPER REPL.

T-330 Plummer Road Detour

Detour Length 4.6 Miles

(2 weekends)

Croyle Township



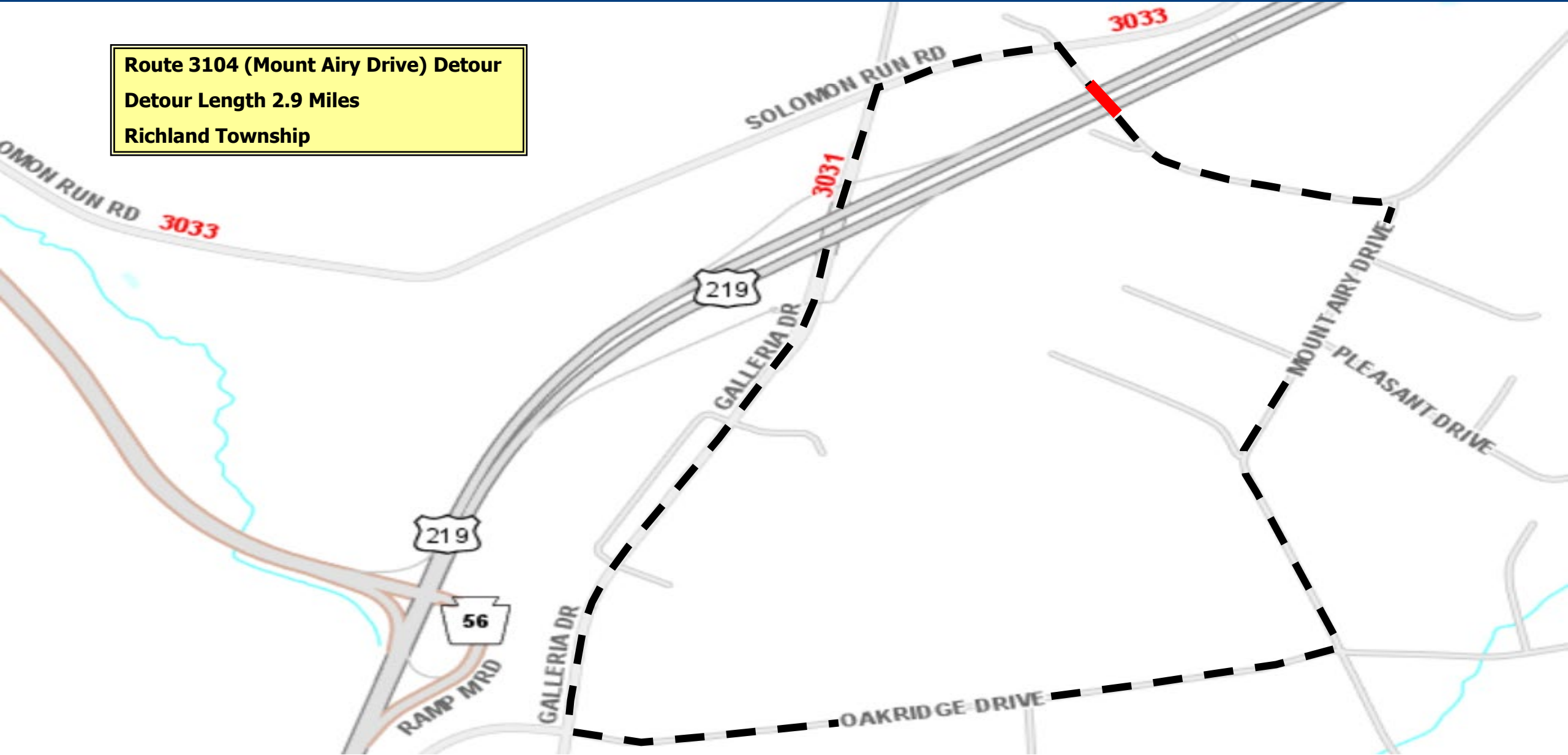
ROUTE 3104 – MOUNT AIRY DRIVE OVER U.S. 219



- Scope:** Superstructure replacement
- Traffic Control:** Detour Route 3104 (2.9 miles) and Long-term lane closure and nighttime detours of U.S. 219
- Construction Timeframe:** April – November 2026
- Anticipated Detour Implementation Date:** March 30, 2026
- Anticipated Date Detour to be Lifted:** October 30, 2026
- Contractor:** J. F. Shea Construction, Inc.
- Current Contract:** \$ 2,259,170

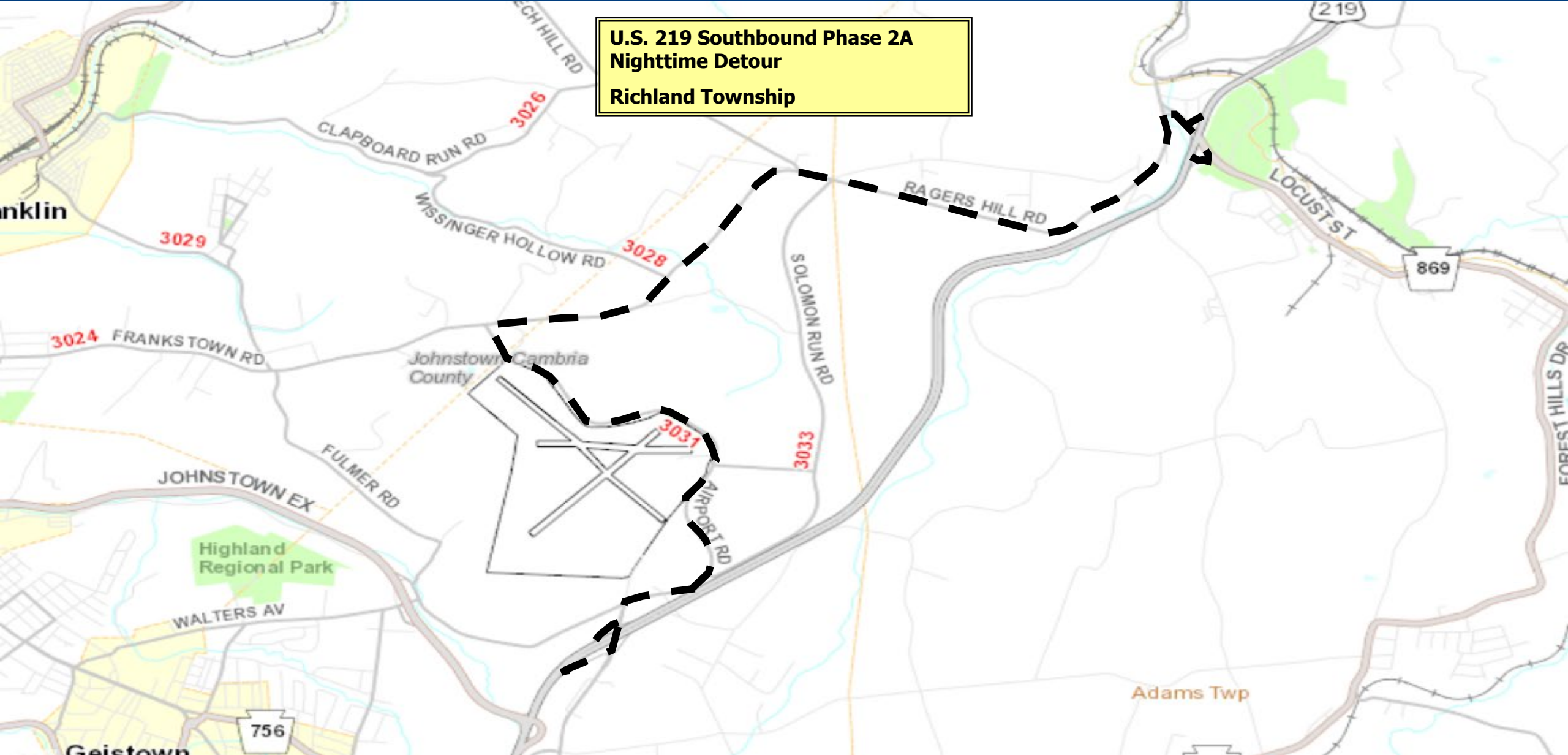
ROUTE 3104 – MOUNT AIRY DRIVE OVER U.S. 219

Route 3104 (Mount Airy Drive) Detour
Detour Length 2.9 Miles
Richland Township



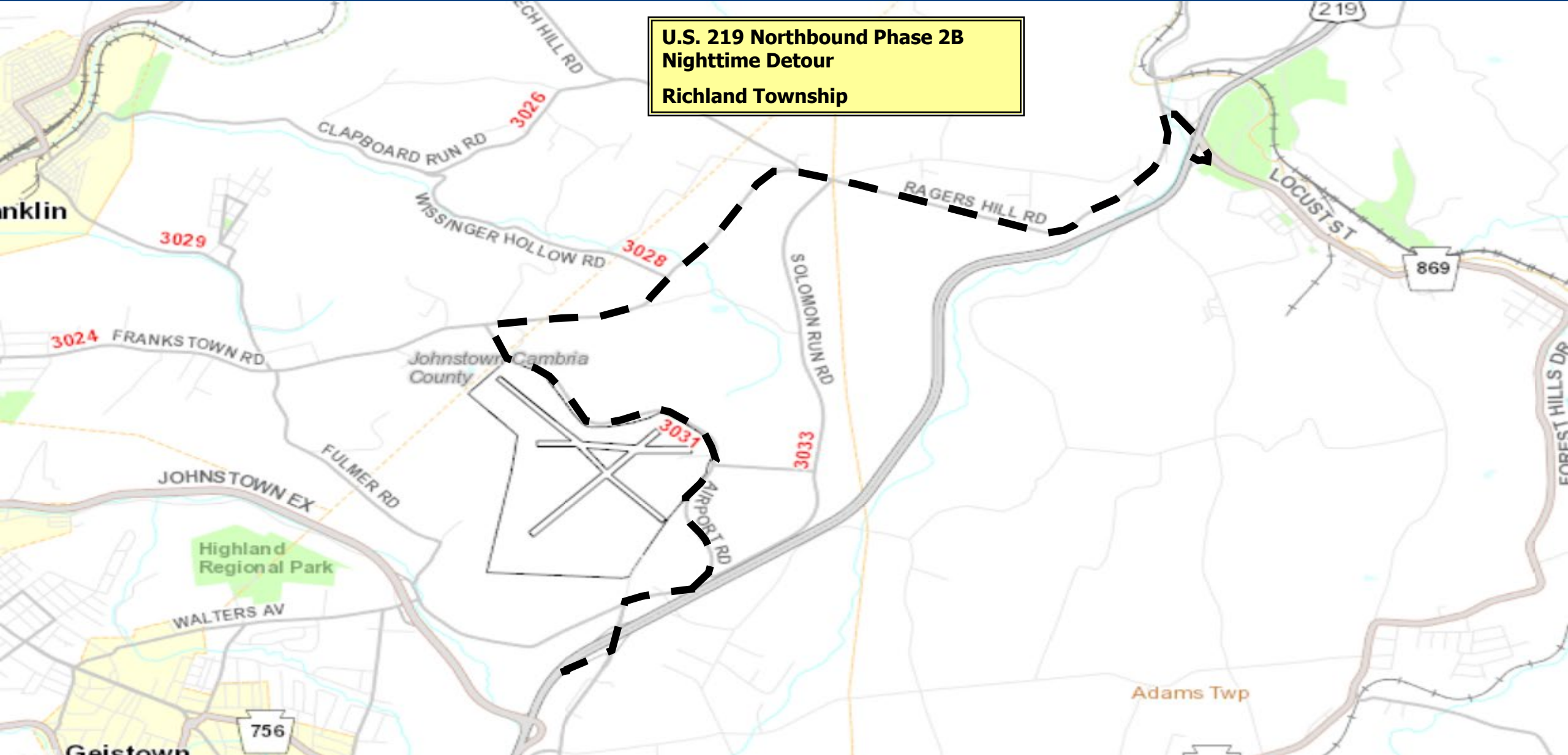
ROUTE 3104 – MOUNT AIRY DRIVE OVER U.S. 219

**U.S. 219 Southbound Phase 2A
Nighttime Detour
Richland Township**



ROUTE 3104 – MOUNT AIRY DRIVE OVER U.S. 219

**U.S. 219 Northbound Phase 2B
Nighttime Detour
Richland Township**

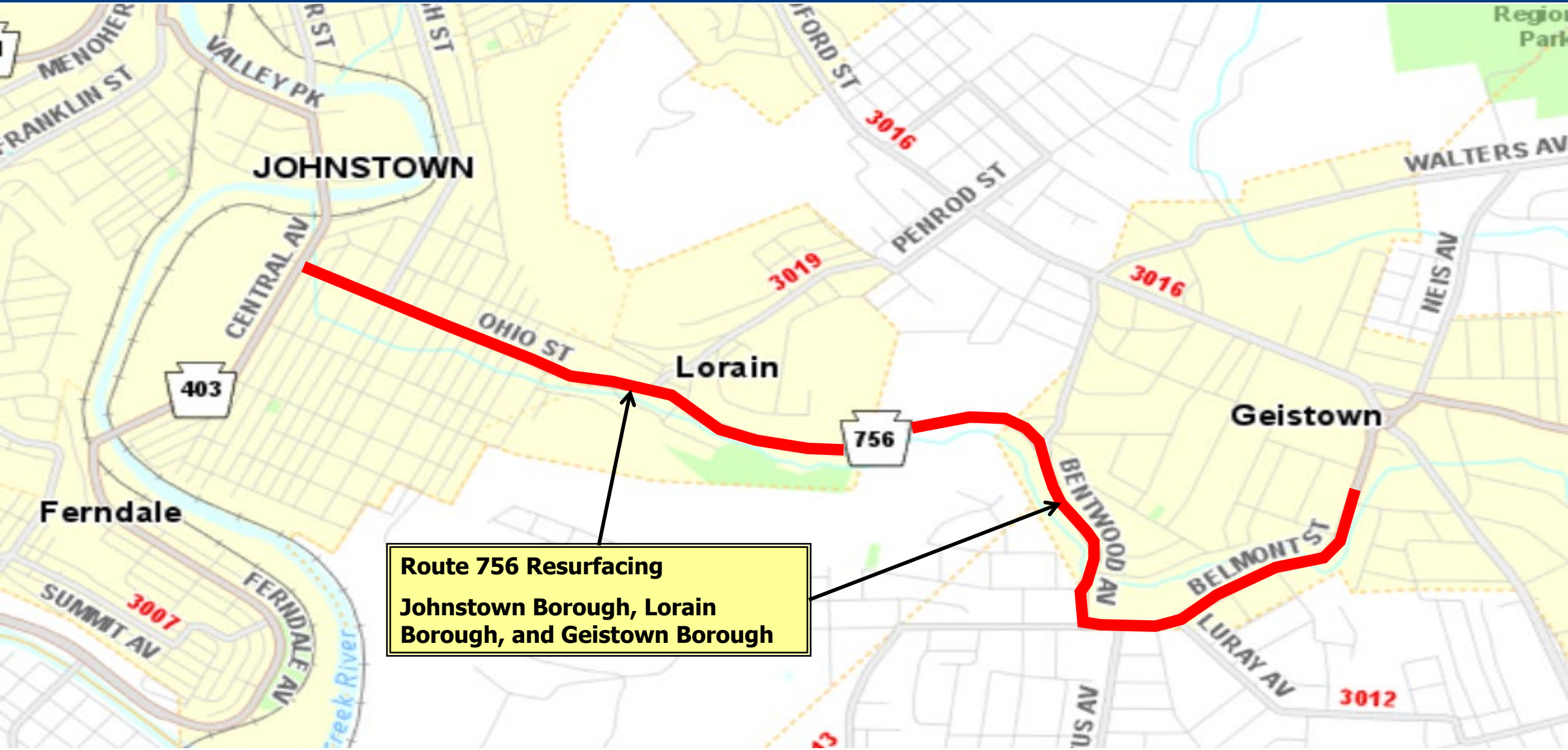


ROUTE 756 – T- 403 TO ROUTE 3016



- Scope:** Resurfacing (2.8 miles), drainage and guide rail upgrades
- Traffic Control:** Short Term Flagging
- Construction Timeframe:** April 2026 – June 2026
- Contractor:** Quaker Sales Corporation
- Current Contract:** \$ 1,361,957

ROUTE 756 – T-403 TO ROUTE 3016



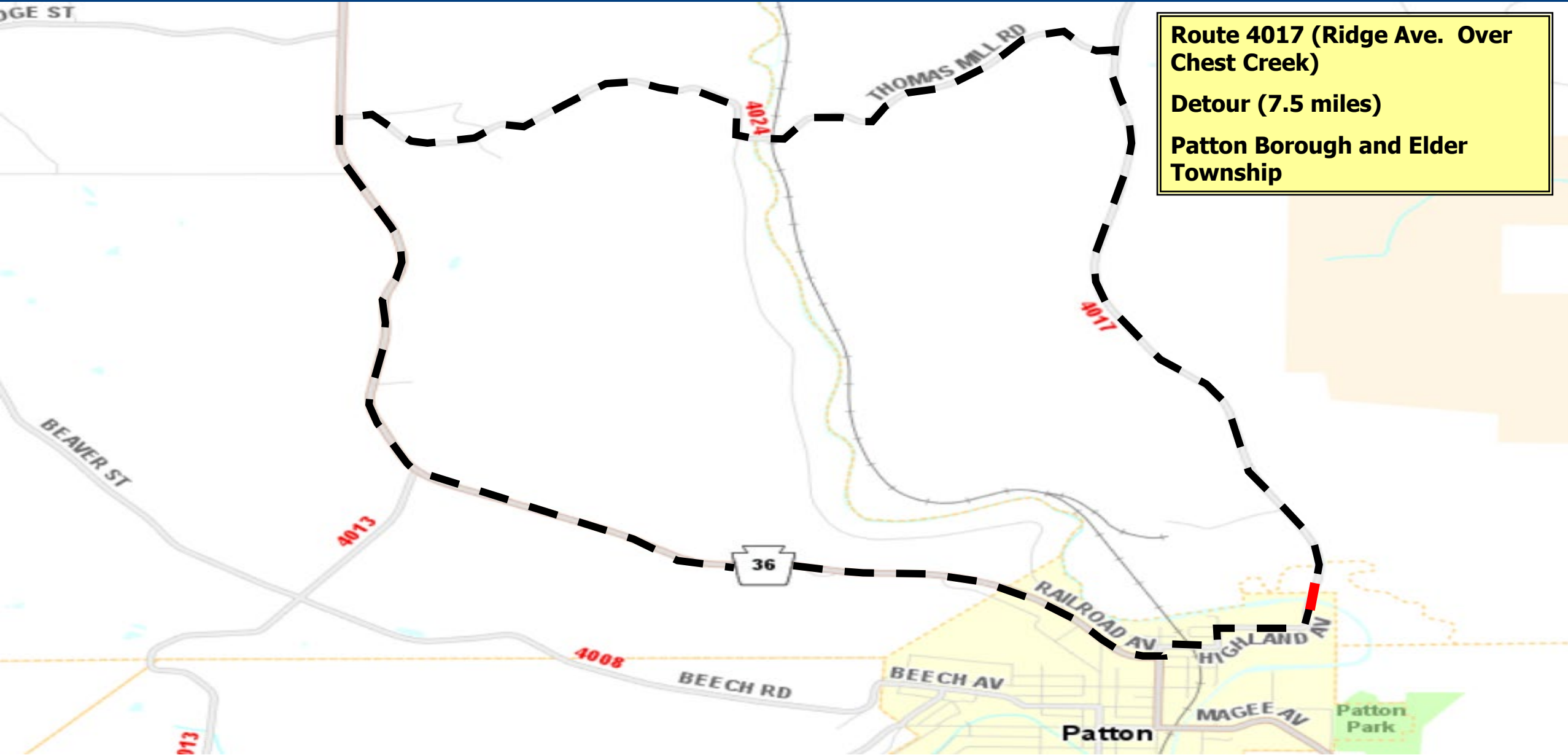
**Route 756 Resurfacing
Johnstown Borough, Lorain
Borough, and Geistown Borough**

ROUTE 4017 – N. PATTON CHEST CREEK BRIDGE



- **Scope:** Superstructure Replacement
- **Traffic Control:** Detour (7.5 miles)
- **Construction Timeframe:** May – August 2026
- **Anticipated Detour Implementation Date:** June 1, 2026
- **Anticipated Date Detour to be Lifted:** August 3, 2026
- **Contractor:** Kukurin Contracting, Inc.
- **Current Contract:** \$ 1,284,482

ROUTE 4017 – N. PATTON CHEST CREEK BRIDGE



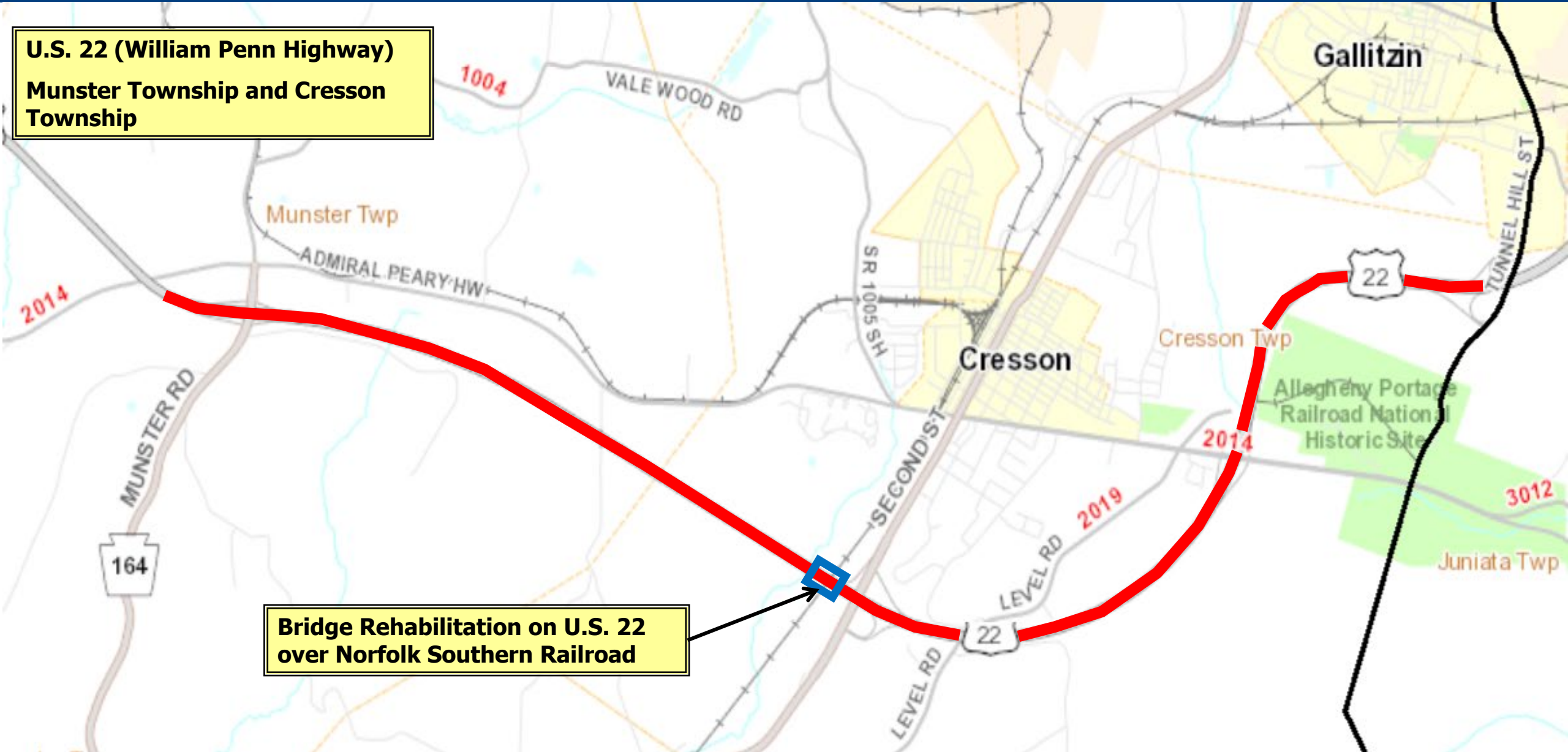
U.S. 22 – ROUTE 164 TO BLAIR COUNTY LINE



- Scope:** Resurfacing (7 miles), guiderail upgrades, drainage maintenance, and bridge rehabilitation over Norfolk Southern Railroad
- Traffic Control:** Long-term lane closure
- Construction Timeframe:** April 2026 – November 2026
- Contractor:** Grannas Bros. Stone & Asphalt Co., Inc.
- Current Contract:** \$ 11,564,159

U.S. 22 – ROUTE 164 TO BLAIR COUNTY LINE

**U.S. 22 (William Penn Highway)
Munster Township and Cresson
Township**



**Bridge Rehabilitation on U.S. 22
over Norfolk Southern Railroad**

JACKSON TWP. BUSINESS PARK ACCESS



- **Scope:** Signal installation at the intersection of U.S. 22, Route 3045 (Chickaree Hill Road), and T-428 (Mile Hill Road)
- **Construction Timeframe:** April – May 2026
- **Contractor:** Plum Contracting, Inc.
- **Current Contract:** \$1,098,582

JACKSON TWP. BUSINESS PARK ACCESS

**U.S. 22 (Admiral Peary Highway)
Jackson Township**

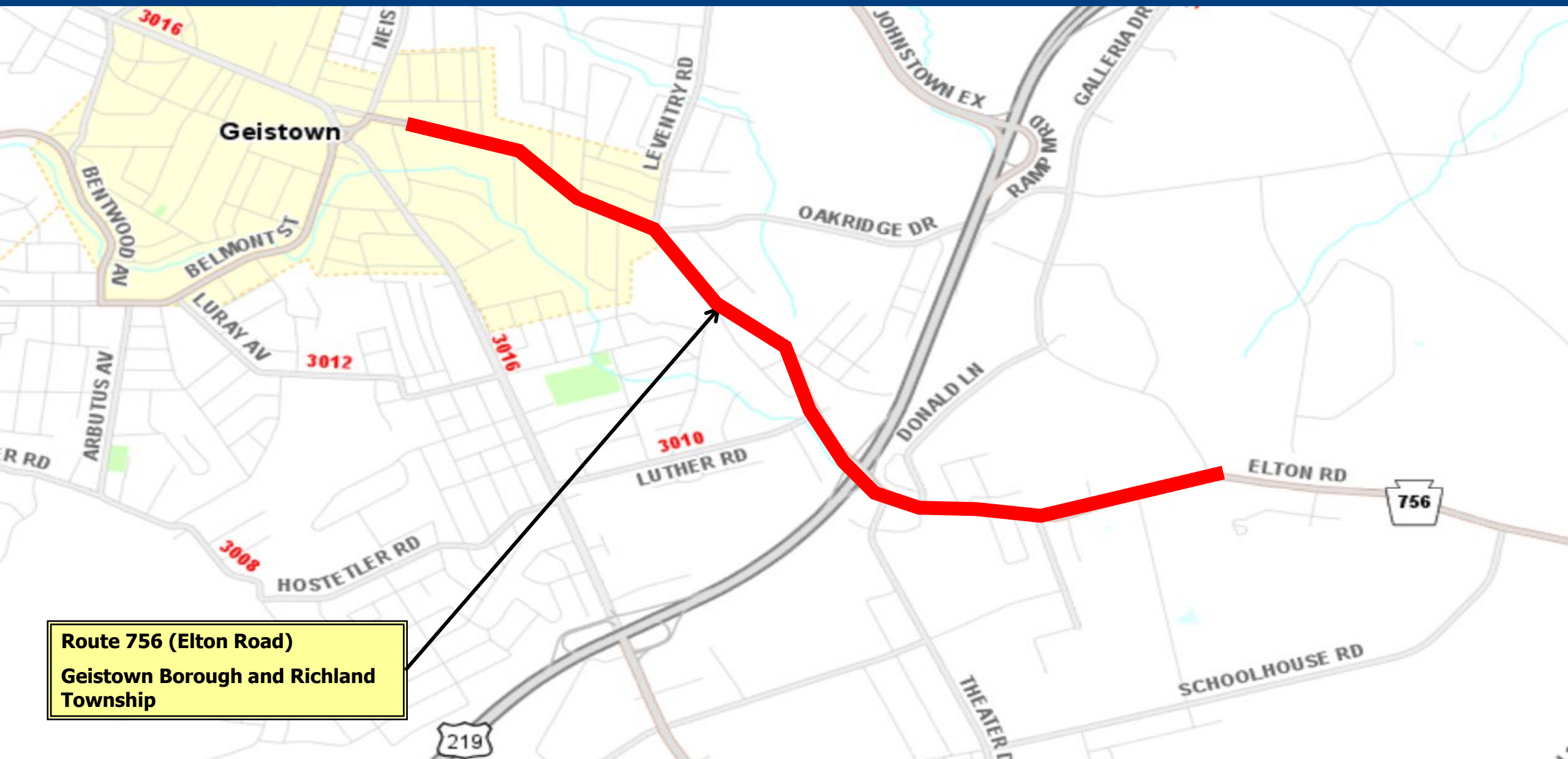


RT 756 – LAMBERD AVE. TO INDUSTRIAL PARK RD.



- **Scope:** Resurfacing (2.4 miles), drainage upgrades, sight distance improvements, turn lanes, traffic signal upgrades, and pedestrian accommodations
- **Traffic Control:** Daylight & Nighttime Flagging, 219 ramps and 756 nighttime detours, Various Sideroad Detours during certain Construction Phases
- **Construction Timeframe:** April 2026 – October 2027
- **Contractor:** A. Liberoni, Inc.
- **Current Contract:** \$ 9,473,117

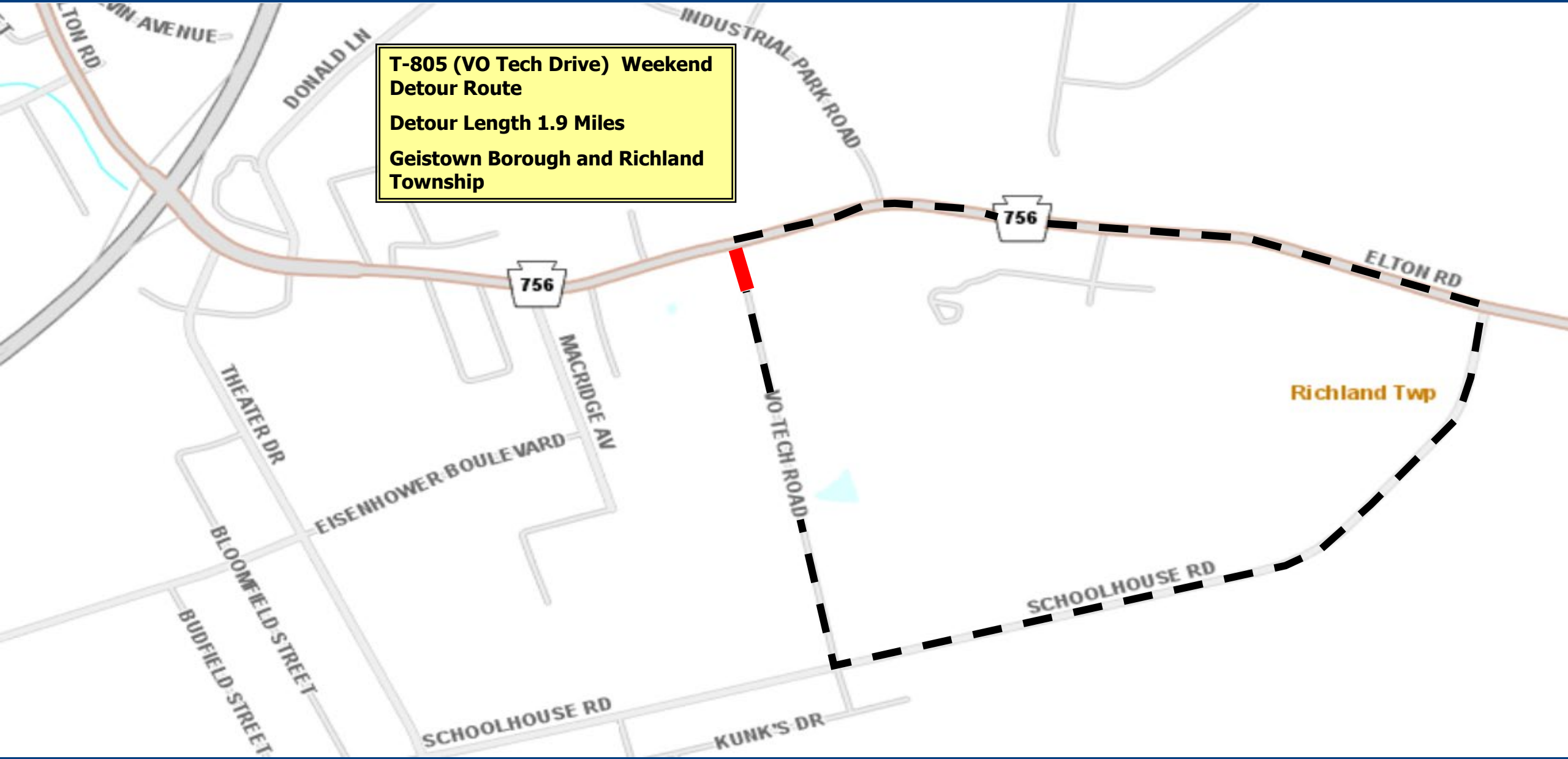
RT 756 – LAMBERD AVE. TO INDUSTRIAL PARK RD.



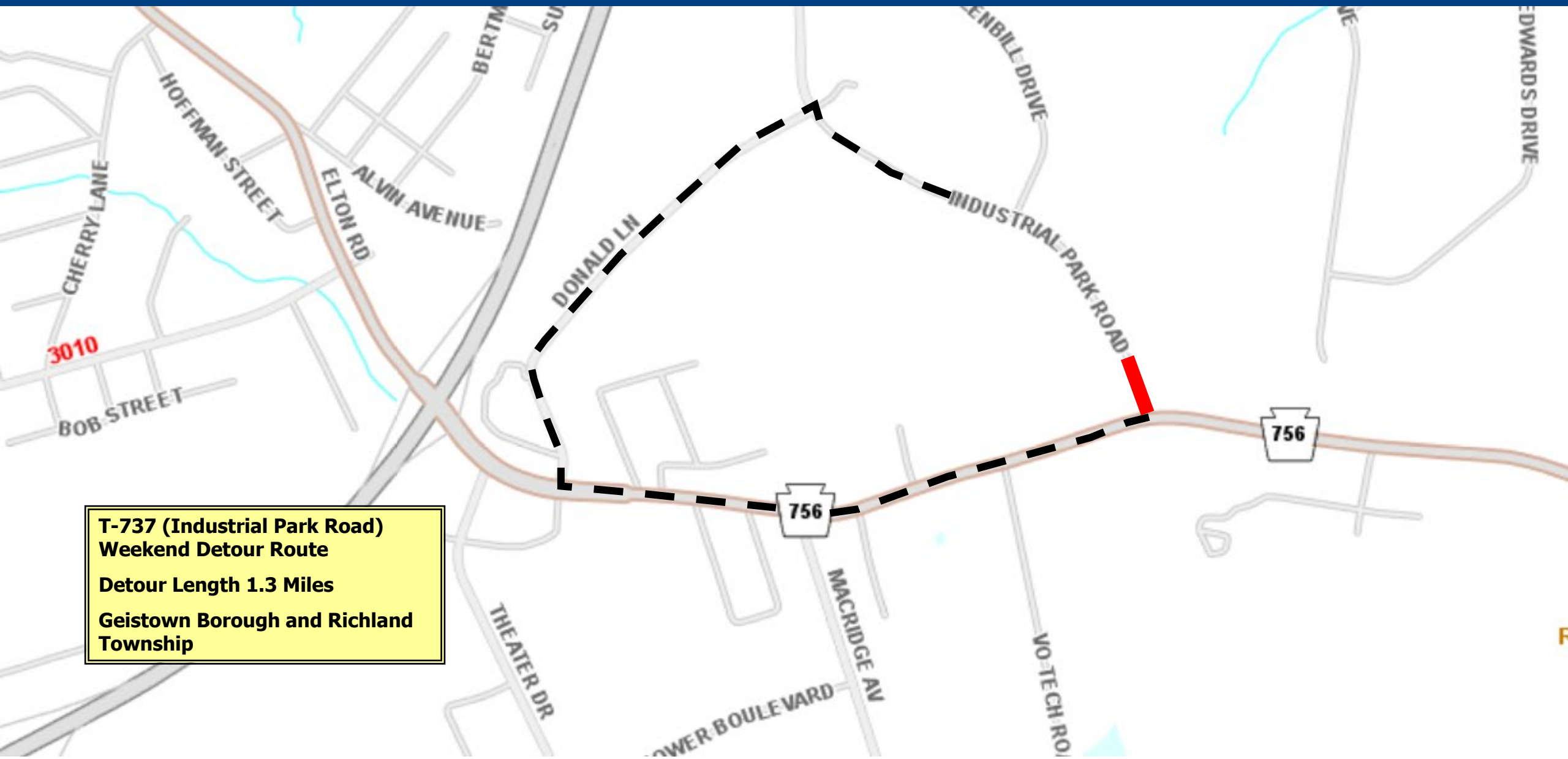
Route 756 (Elton Road)
Geistown Borough and Richland
Township

RT 756 – LAMBERD AVE. TO INDUSTRIAL PARK RD.

T-805 (VO Tech Drive) Weekend Detour Route
Detour Length 1.9 Miles
Geistown Borough and Richland Township

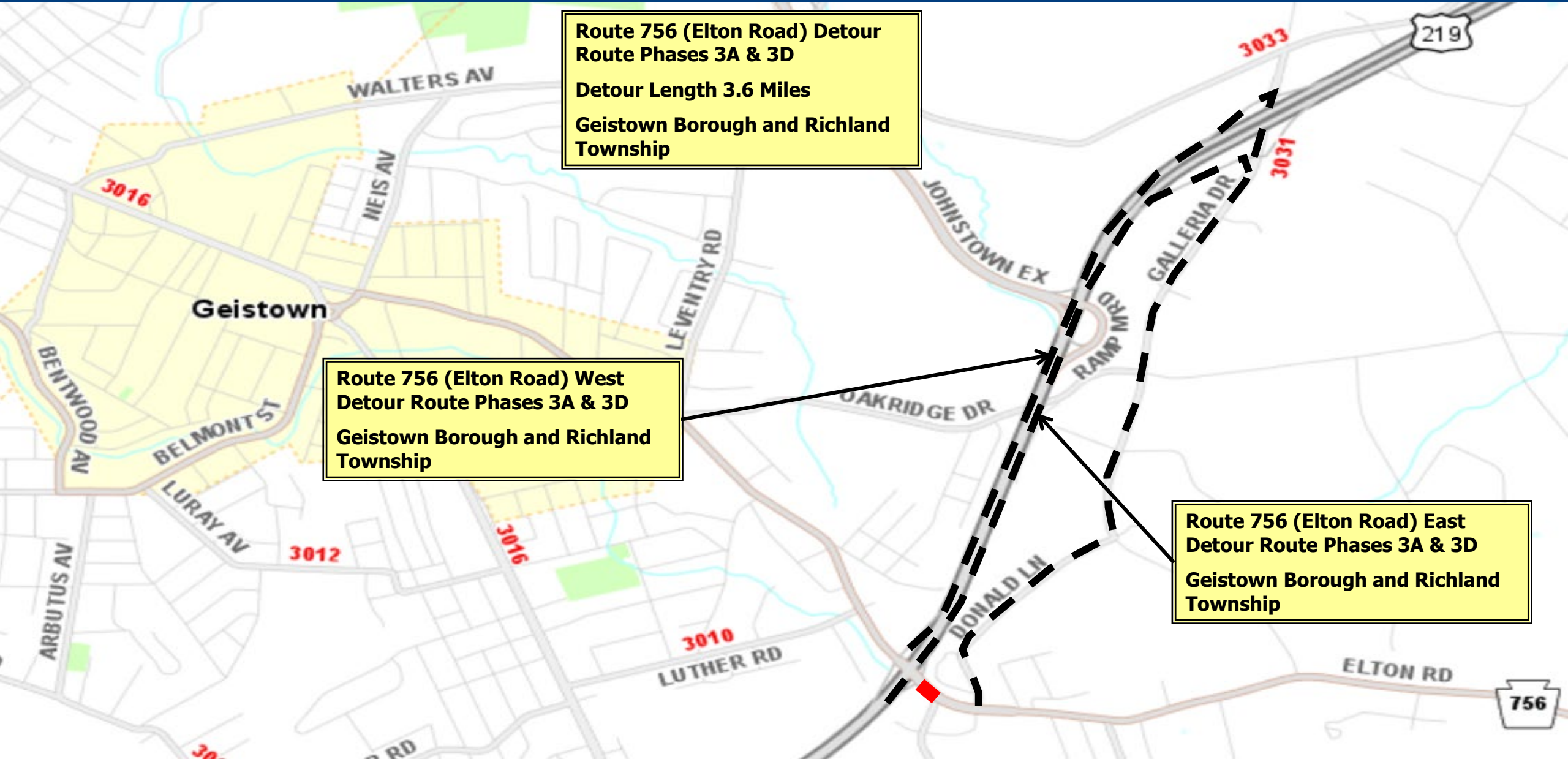


RT 756 – LAMBERD AVE. TO INDUSTRIAL PARK RD.



**T-737 (Industrial Park Road)
Weekend Detour Route
Detour Length 1.3 Miles
Geistown Borough and Richland
Township**

RT 756 – LAMBERD AVE. TO INDUSTRIAL PARK RD.



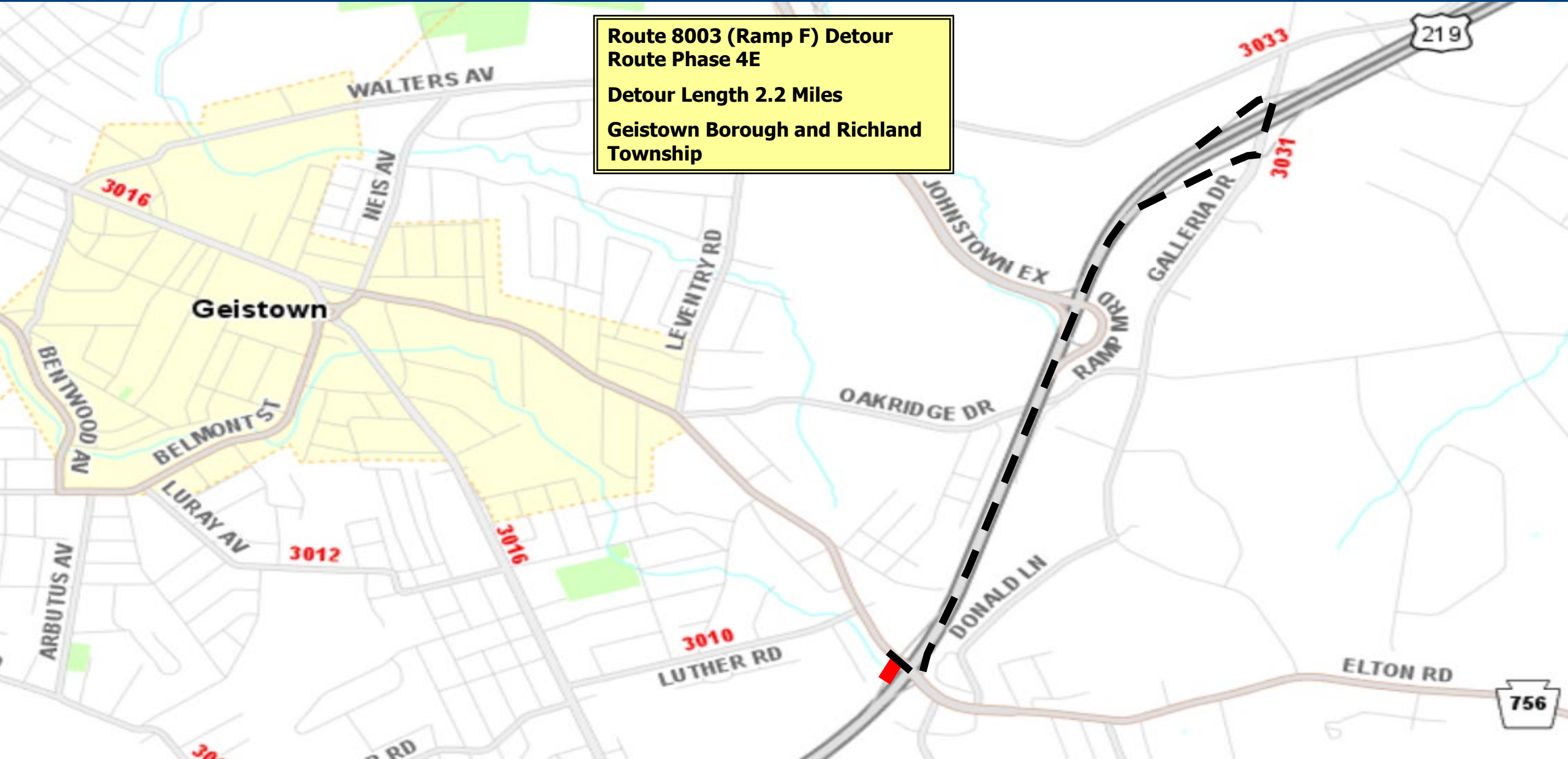
**Route 756 (Elton Road) Detour
Route Phases 3A & 3D
Detour Length 3.6 Miles
Geistown Borough and Richland
Township**

**Route 756 (Elton Road) West
Detour Route Phases 3A & 3D
Geistown Borough and Richland
Township**

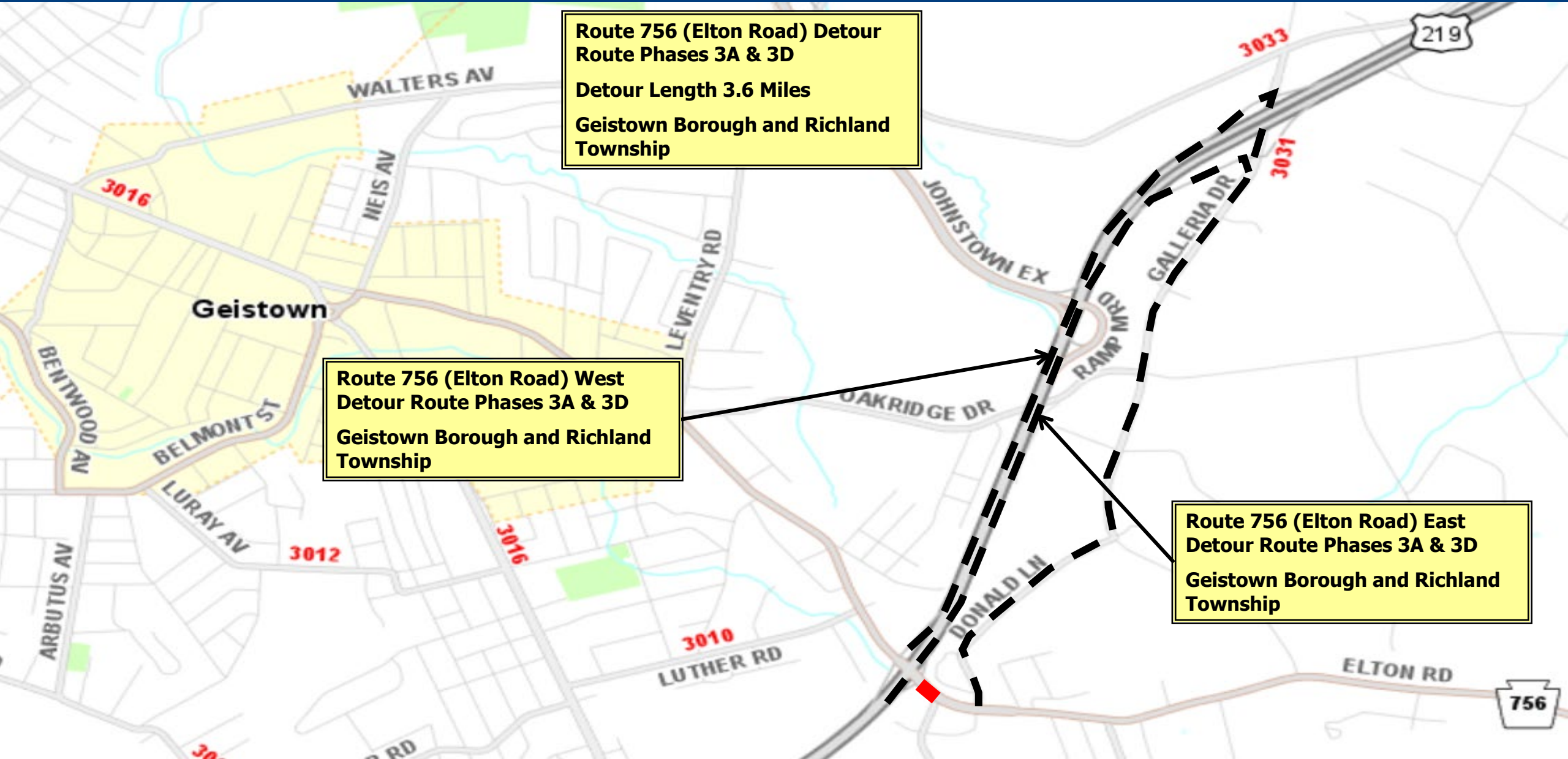
**Route 756 (Elton Road) East
Detour Route Phases 3A & 3D
Geistown Borough and Richland
Township**

RT 756 – LAMBERD AVE. TO INDUSTRIAL PARK RD.

**Route 8003 (Ramp F) Detour
Route Phase 4E**
Detour Length 2.2 Miles
Geistown Borough and Richland
Township



RT 756 – LAMBERD AVE. TO INDUSTRIAL PARK RD.



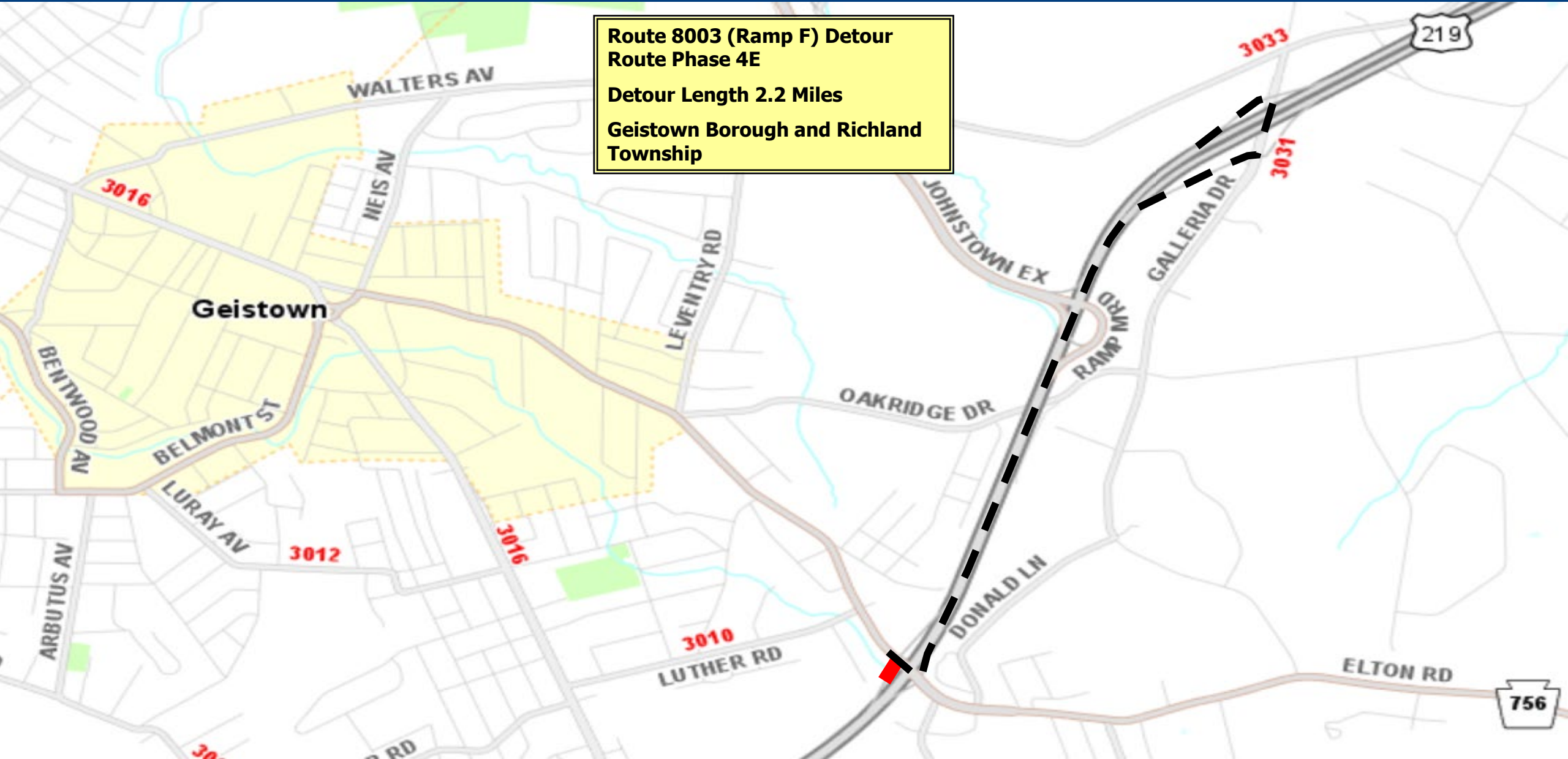
**Route 756 (Elton Road) Detour
Route Phases 3A & 3D**
Detour Length 3.6 Miles
Geistown Borough and Richland
Township

**Route 756 (Elton Road) West
Detour Route Phases 3A & 3D**
Geistown Borough and Richland
Township

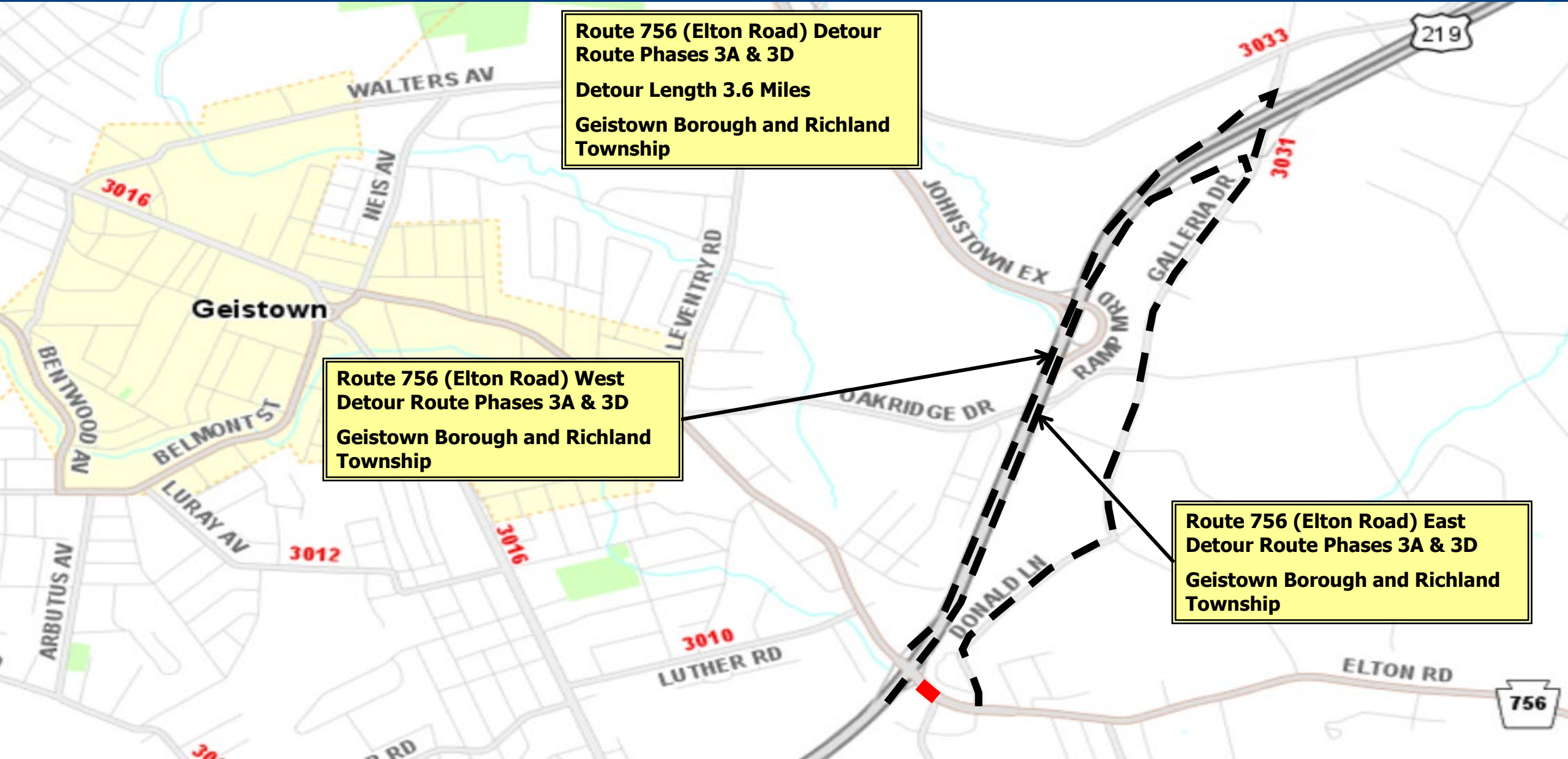
**Route 756 (Elton Road) East
Detour Route Phases 3A & 3D**
Geistown Borough and Richland
Township

RT 756 – LAMBERD AVE. TO INDUSTRIAL PARK RD.

Route 8003 (Ramp F) Detour
Route Phase 4E
Detour Length 2.2 Miles
Geistown Borough and Richland
Township



RT 756 – LAMBERD AVE. TO INDUSTRIAL PARK RD.



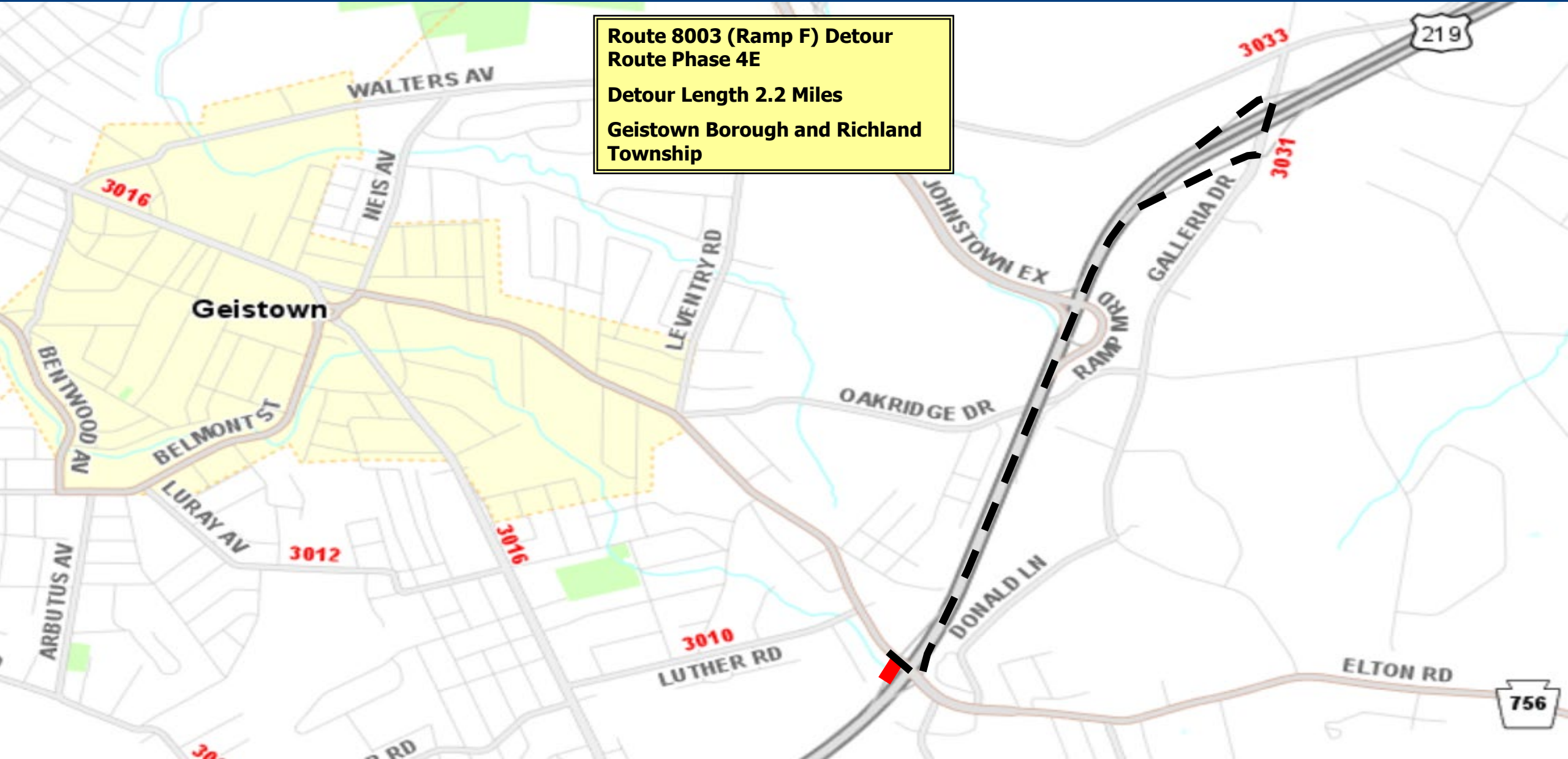
**Route 756 (Elton Road) Detour
Route Phases 3A & 3D
Detour Length 3.6 Miles
Geistown Borough and Richland
Township**

**Route 756 (Elton Road) West
Detour Route Phases 3A & 3D
Geistown Borough and Richland
Township**

**Route 756 (Elton Road) East
Detour Route Phases 3A & 3D
Geistown Borough and Richland
Township**

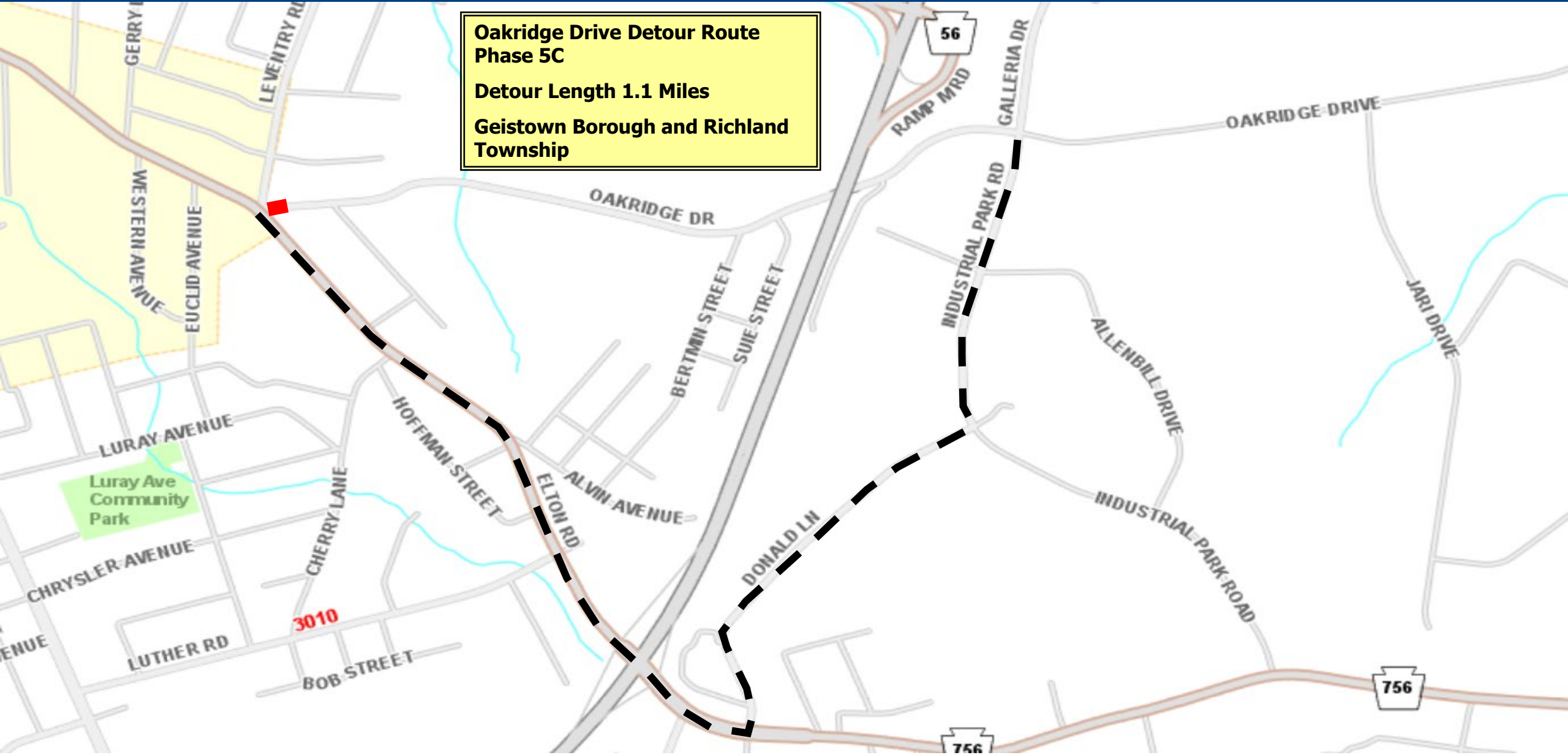
RT 756 – LAMBERD AVE. TO INDUSTRIAL PARK RD.

Route 8003 (Ramp F) Detour
Route Phase 4E
Detour Length 2.2 Miles
Geistown Borough and Richland
Township



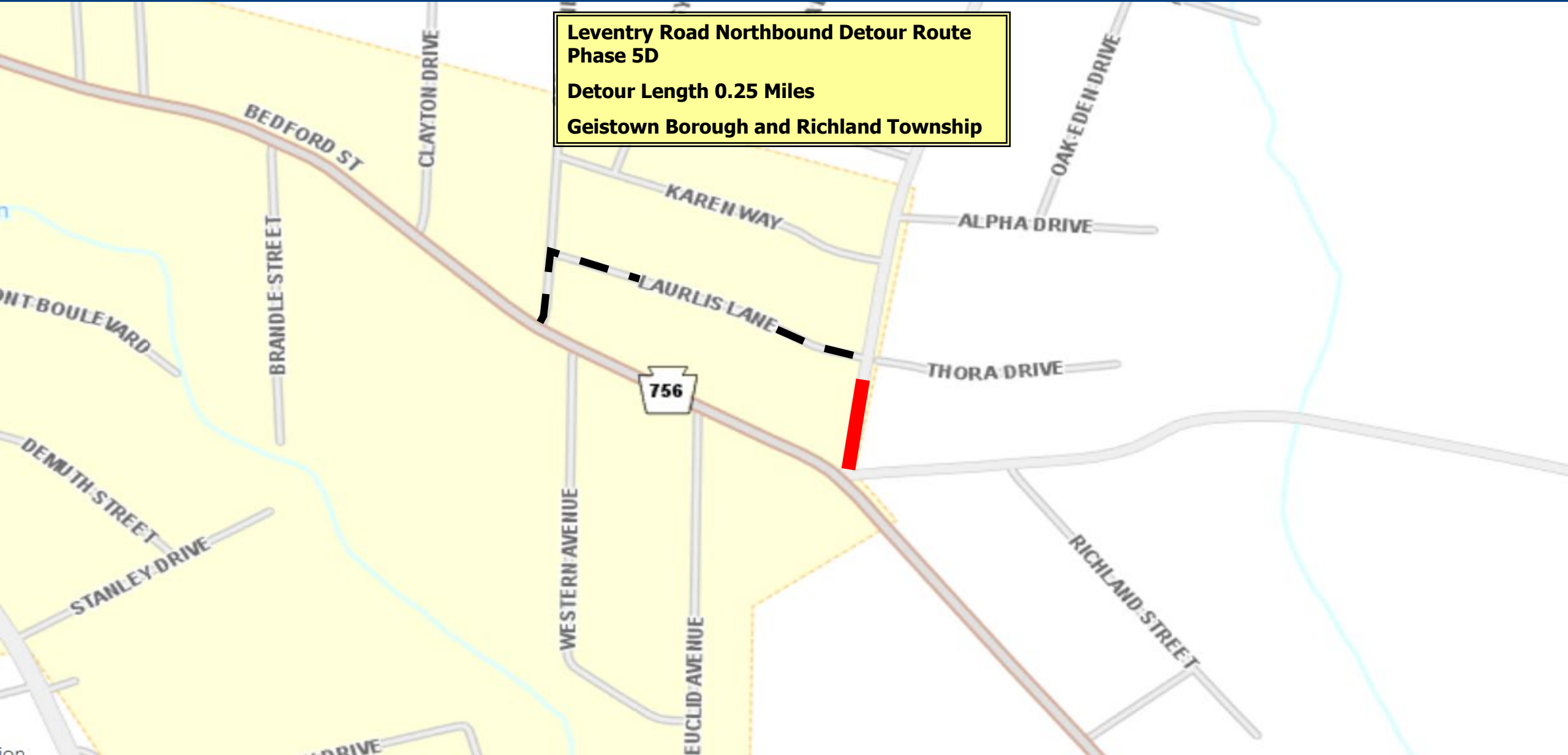
RT 756 – LAMBERD AVE. TO INDUSTRIAL PARK RD.

**Oakridge Drive Detour Route
Phase 5C**
Detour Length 1.1 Miles
Geistown Borough and Richland Township



RT 756 – LAMBERD AVE. TO INDUSTRIAL PARK RD.

**Leventry Road Northbound Detour Route
Phase 5D**
Detour Length 0.25 Miles
Geistown Borough and Richland Township



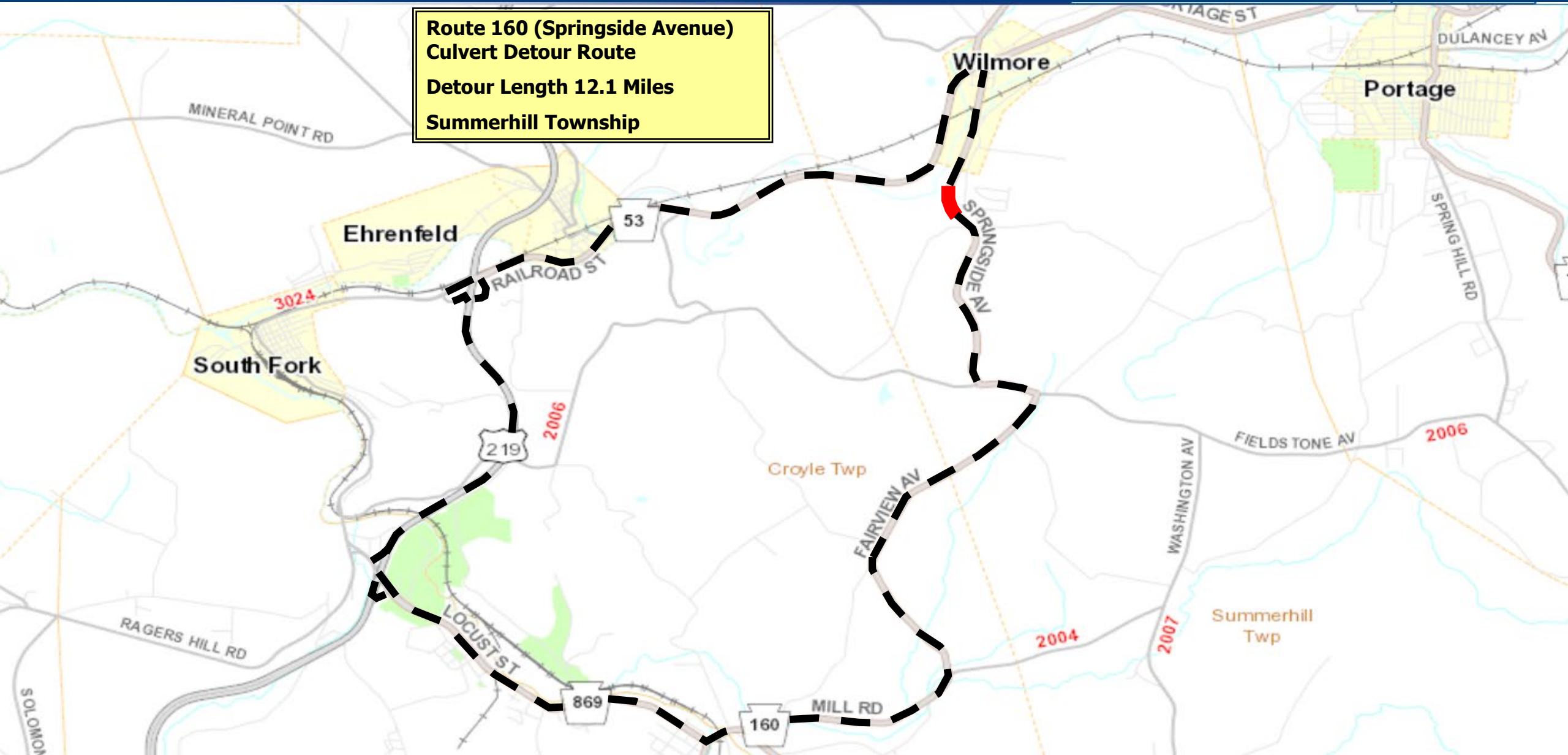
ROUTE 160 – CONEMAUGH RIVER CULVERT



- **Scope:** Bridge Replacement
- **Traffic Control:** Detour (12.1 miles)
- **Construction Timeframe:** March - July 2027
- **Anticipated Detour Implementation Date:** June 6, 2027
- **Anticipated Date Detour to be Lifted:** June 23, 2027
- **Contractor:** Cottle's Asphalt Maintenance, Inc.
- **Current Contract:** \$ 1,358,370

ROUTE 160 – CONEMAUGH RIVER CULVERT

Route 160 (Springside Avenue)
Culvert Detour Route
Detour Length 12.1 Miles
Summerhill Township



CONTRACTS TO BE BID



Pennsylvania
Department of Transportation

ROUTE 53 – RT. 3024 TO RT. 164

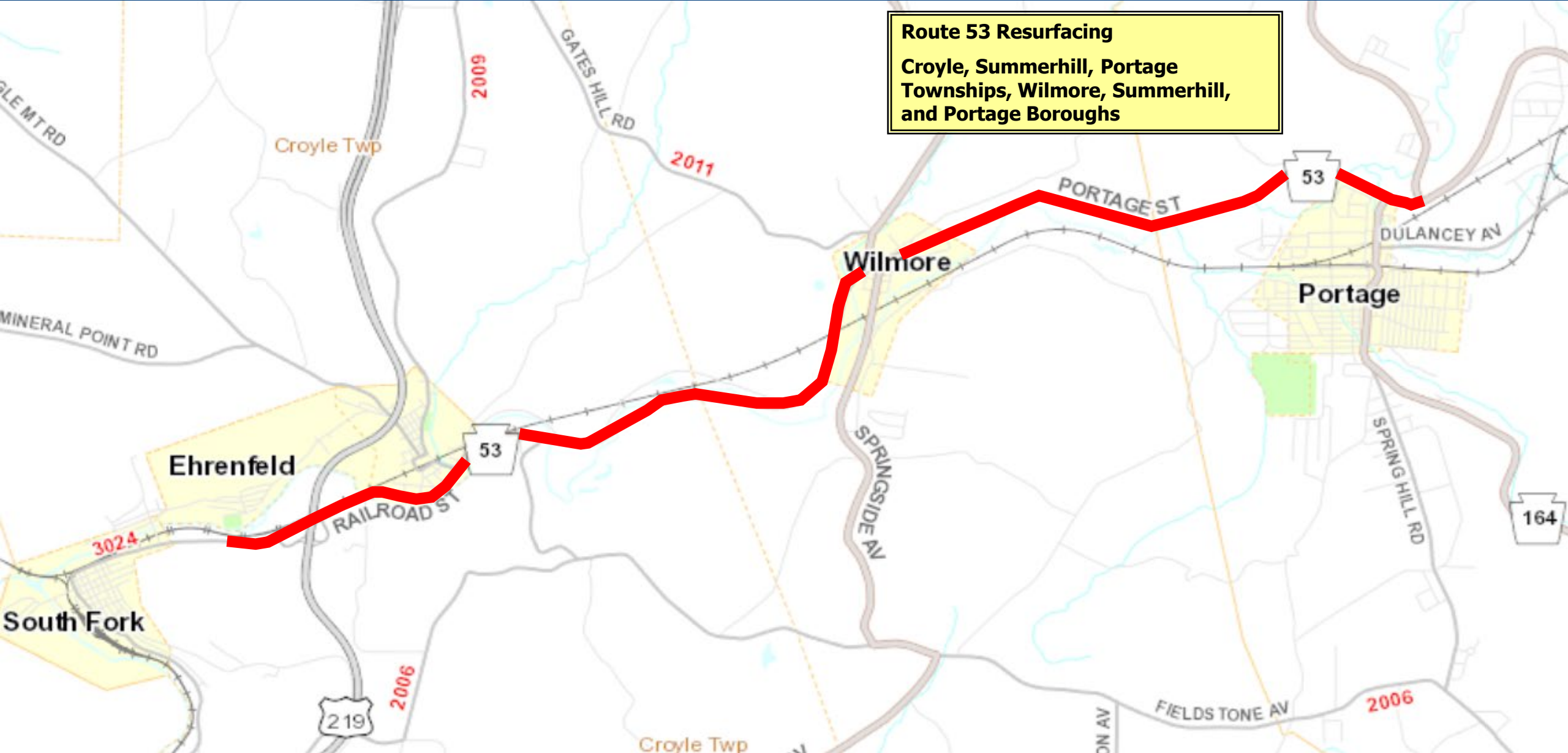


- **Scope:** Resurfacing (6 miles), drainage maintenance, and guide rail upgrades
- **Traffic Control:** Detour (5-day duration), short-term flagging, long-term lane closure
- **Construction Estimate:** \$5 - 7 Million
- **Anticipated Bid Opening:** 2nd Quarter 2026

ROUTE 53 – RT. 3024 TO RT. 164

Route 53 Resurfacing

Croyle, Summerhill, Portage Townships, Wilmore, Summerhill, and Portage Boroughs



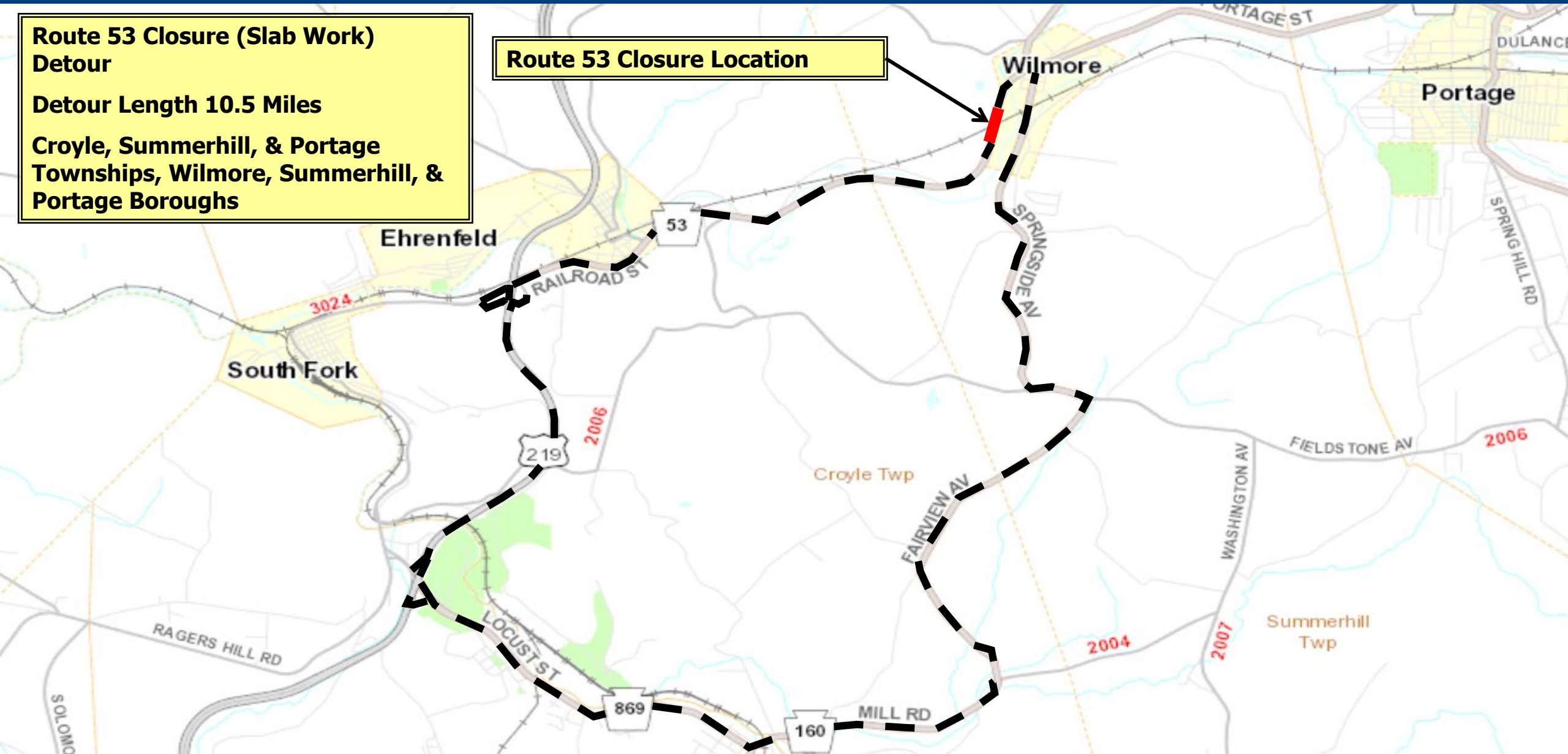
ROUTE 53 – RT. 3024 TO RT. 164

**Route 53 Closure (Slab Work)
Detour**

Detour Length 10.5 Miles

**Croyle, Summerhill, & Portage
Townships, Wilmore, Summerhill, &
Portage Boroughs**

Route 53 Closure Location

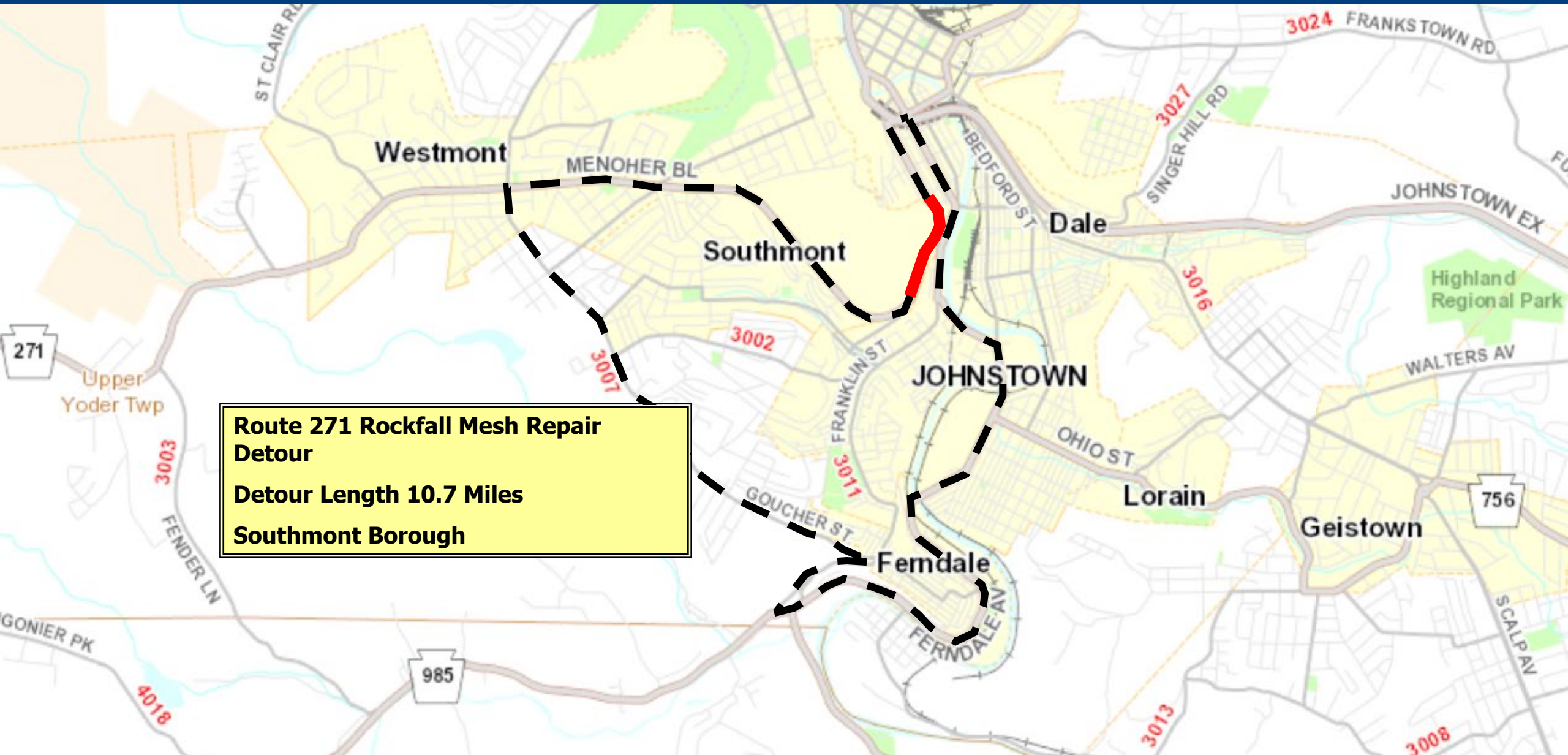


ROUTE 271 MENOHER BLVD. ROCKFALL MESH

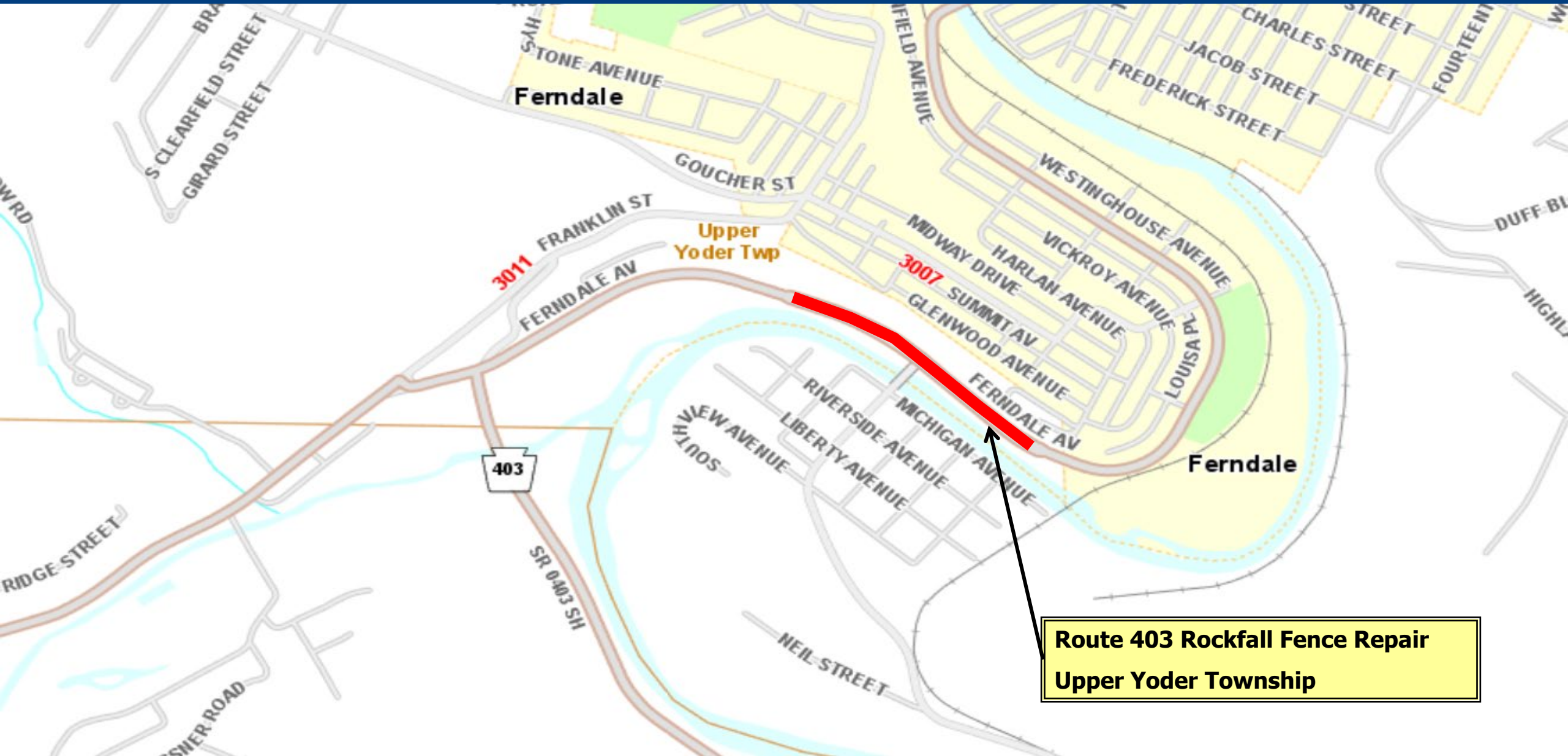


- **Scope:** Route 271 rockfall mesh repair and Route 403 rockfall fence maintenance
- **Traffic Control:** Route 271 detour (10.7 miles)
- **Construction Estimate:** \$1 - 2.5 Million
- **Anticipated Bid Opening:** 2nd Quarter 2026

ROUTE 271 MENOHER BLVD. ROCKFALL MESH



ROUTE 403 ROCKFALL FENCE REPAIR



Route 403 Rockfall Fence Repair
Upper Yoder Township



CAMBRIA COUNTY MAINTENANCE ACTIVITIES

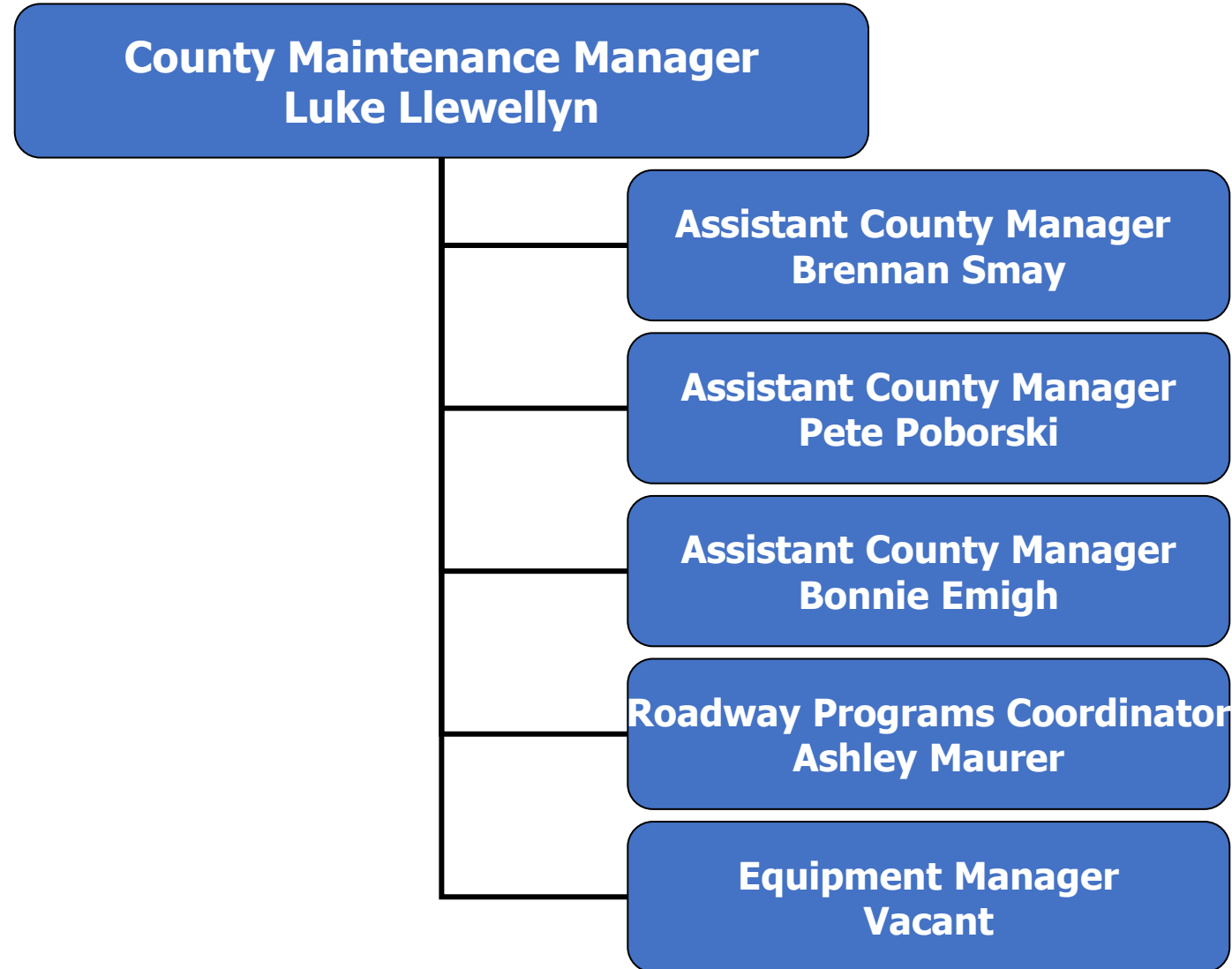
DAVID KAMMERER, P.E., ADE – MAINTENANCE

LUKE LLEWELLYN, COUNTY MANAGER

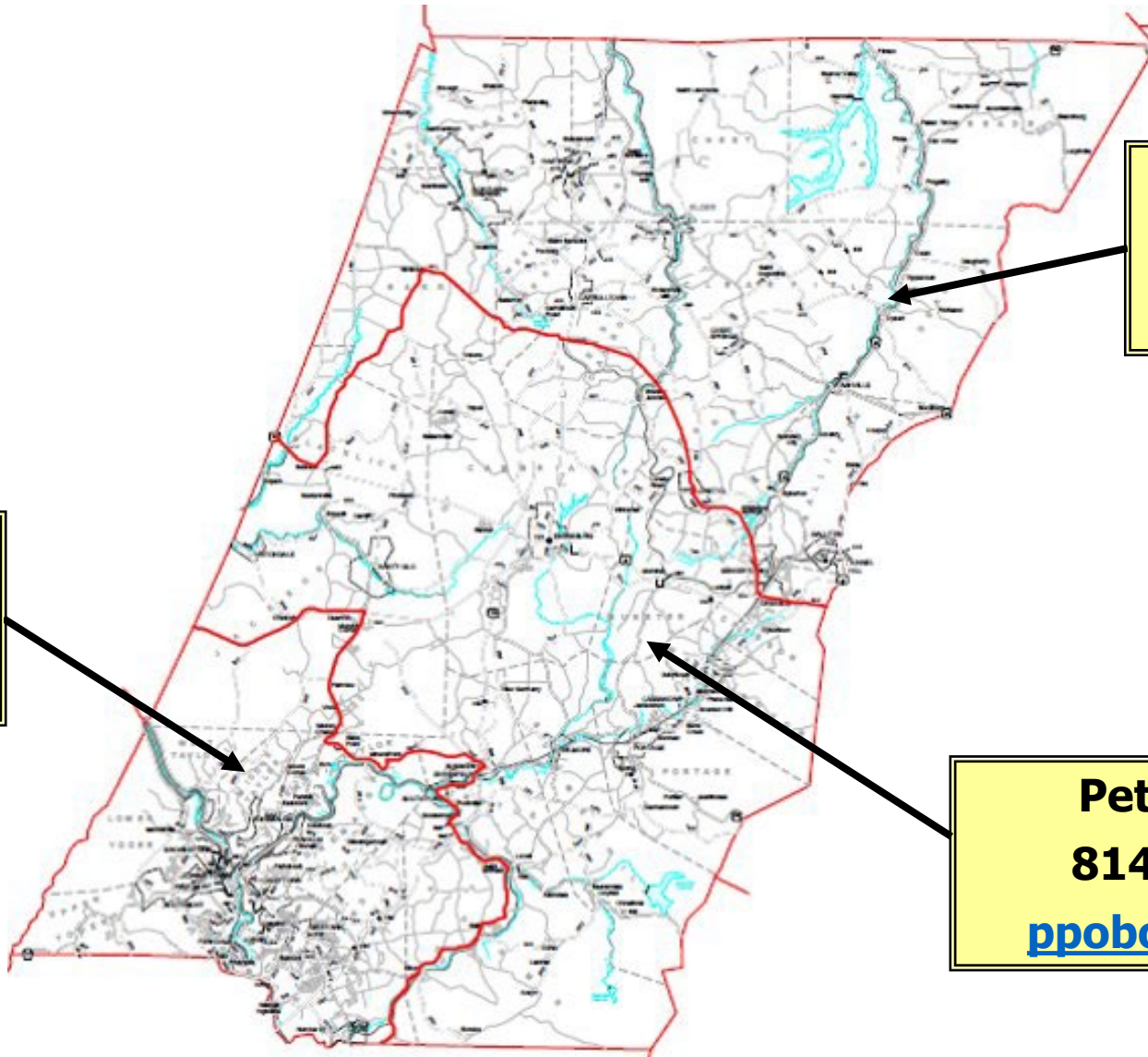


Pennsylvania
Department of Transportation

CAMBRIA COUNTY STAFF



WHO TO CONTACT IN YOUR AREA



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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:
 - Cambria County 2024-2025 Severe Winter Adjustment was 72%.
 - A municipality with an existing winter services agreement for \$12,000 would have received an additional \$8,640.

2025 WINTER AGREEMENTS & 5 YEAR DEPARTMENT HISTORY

14 Winter Municipal Service Agreements

with

Johnstown, Dale, Ferndale, Lilly, Northern Cambria, Patton, Scalp Level & South Fork Boroughs, along with Adams, Blacklick, Conemaugh, Croyle, Jackson & Munster Townships

Totaling 78.95 Miles

Avg. Rate - \$2,137 / mile



5 Year Department Winter Material Usage & Cost*

	2021	2022	2023	2024	2025
SALT (tons)	15,186	12,647	10,780	23,117	19,829
SKID (tons)	12,480	12,712	10,411	22,122	19,467
BRINE (gals)	174,653	174,653	119,177	124,544	95,857
COST (000's)	\$4,795	\$4,611	\$4,518	\$8,853	\$7,962

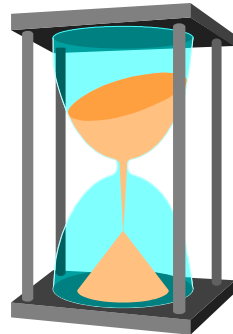
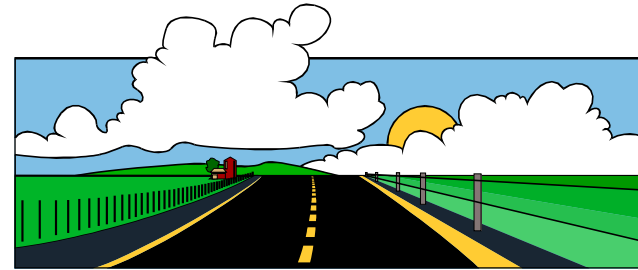
*as of 3/25/26

PHILOSOPHY OF PREVENTIVE MAINTENANCE



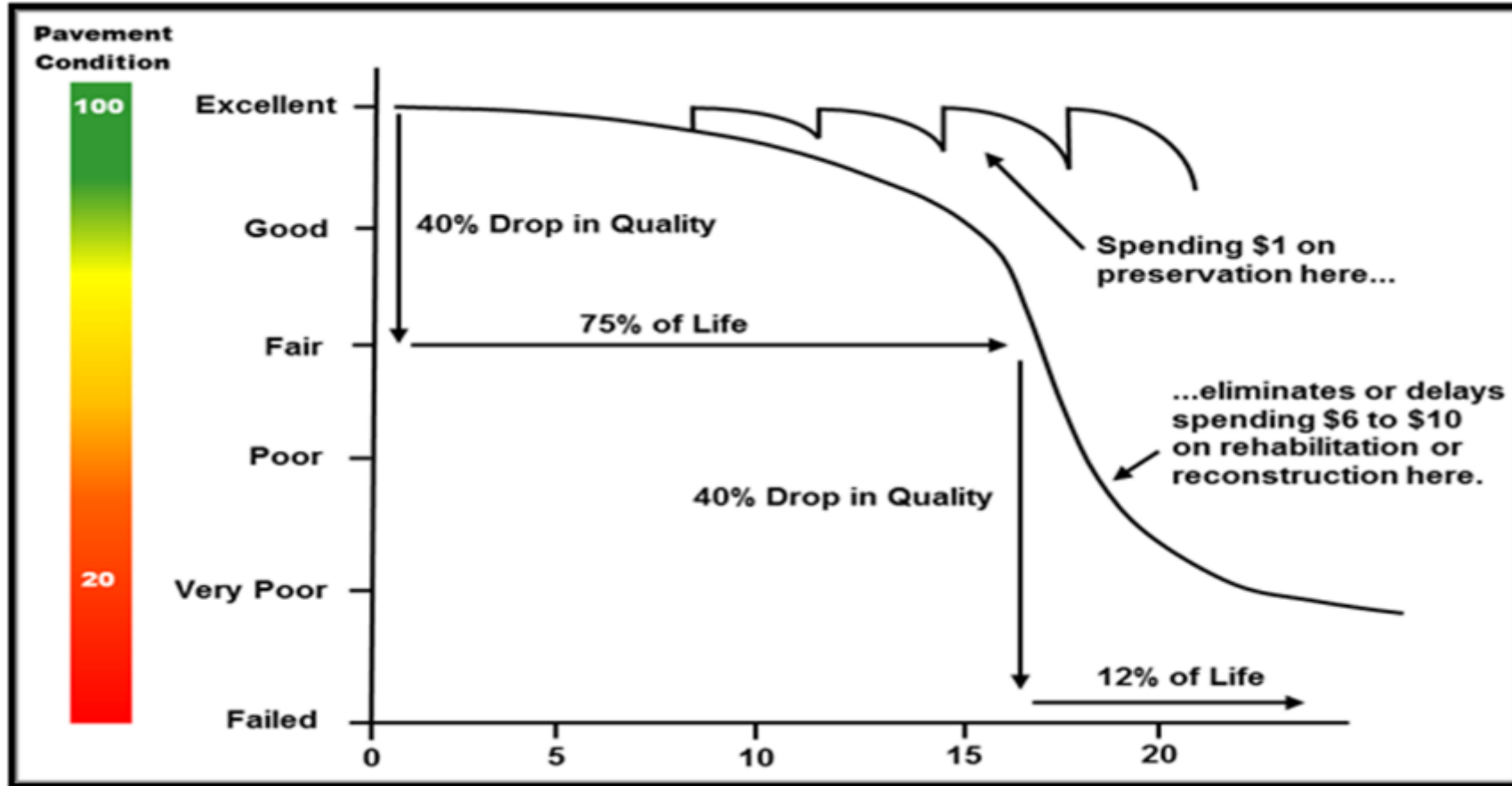
Apply the right treatment

. . . 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

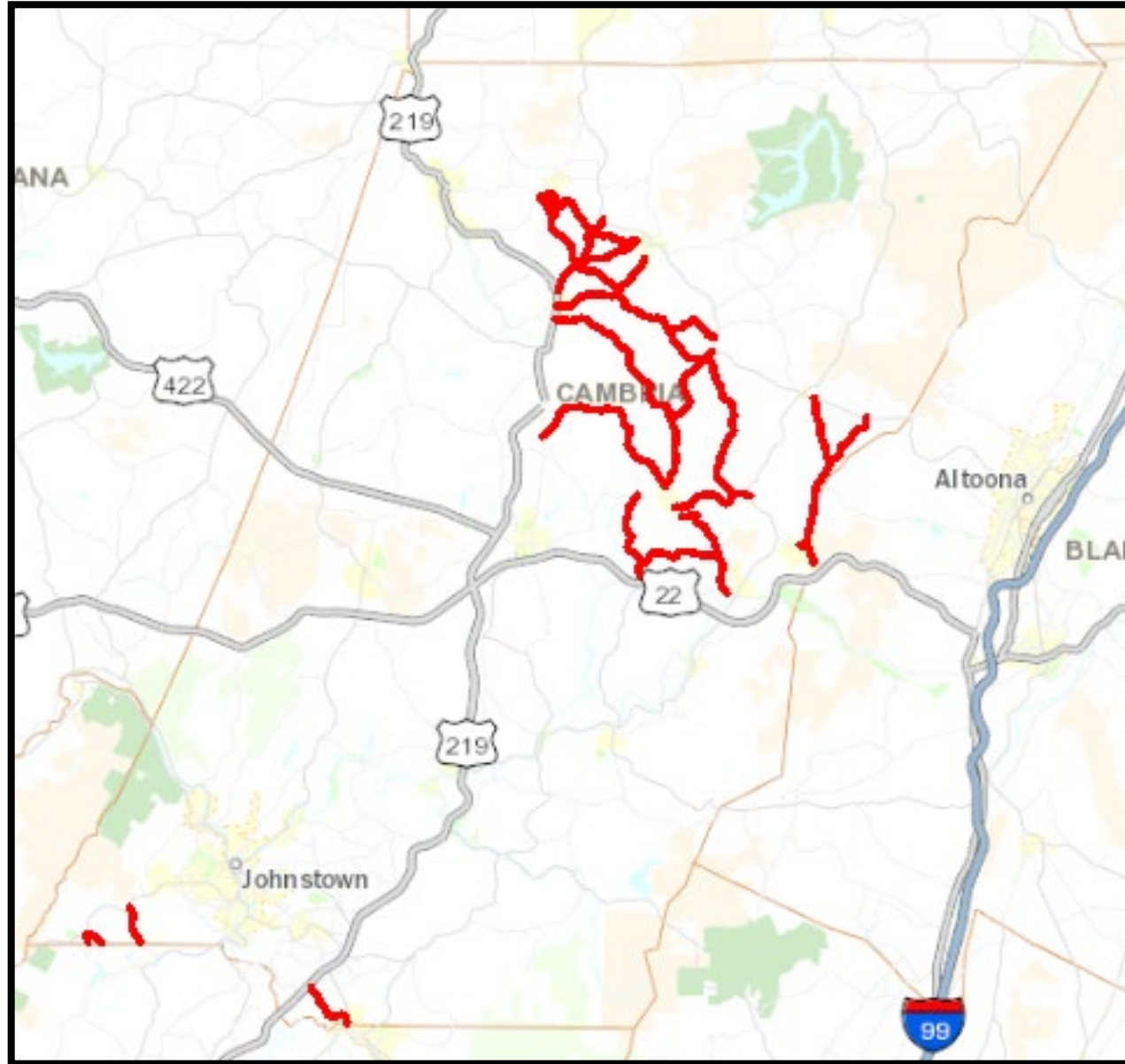
- Oil Distributor
- Chip spreader
- Pneumatic (Rubber) tire roller
- Power broom



2026 Department Force Work Summary

- **Seal Coating**
 - 76.09 miles on 23 routes
 - 376,029 Gallons
 - Estimated Cost - \$1,789,898

2026 DEPARTMENT FORCE SEAL COATING

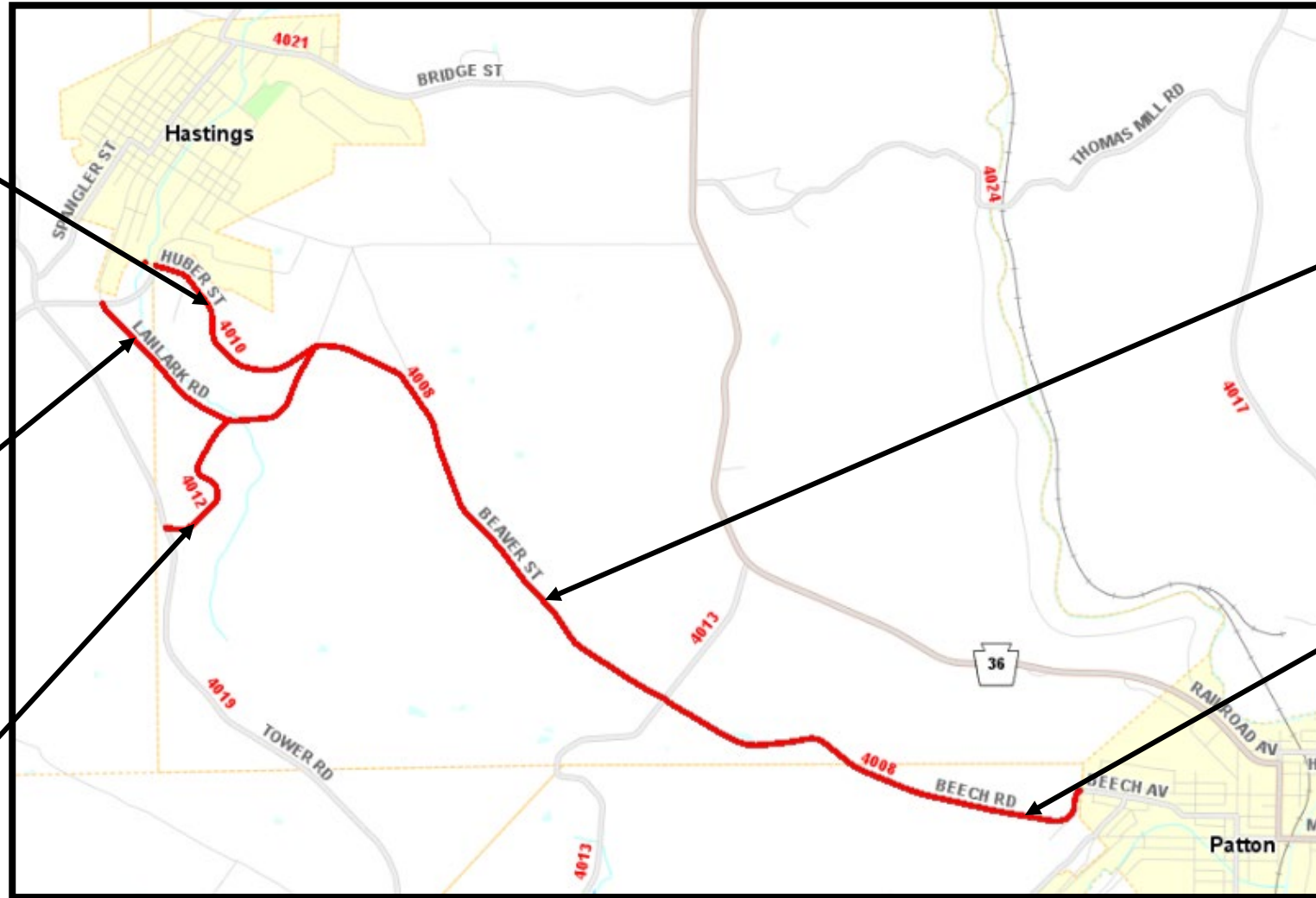


2026 DEPARTMENT FORCE SEAL COATING

**Elder Twp.
Route 4010
Hubert Street
0.69 miles**

**Susquehanna Twp.
Route 4008
Lanlark Road
0.16 miles**

**Elder Twp.
Route 4012
Snake Hill Road
0.5 miles**



**Elder Twp.
Route 4008
Lanlark
Road/Beaver
Street
3.04 miles**

**East Carroll Twp.
Route 4008
Beech Road
0.78 miles**

2026 DEPARTMENT FORCE SEAL COATING

Susquehanna Twp.

Route 4019

**Tower
Road/Number Nine
Road**

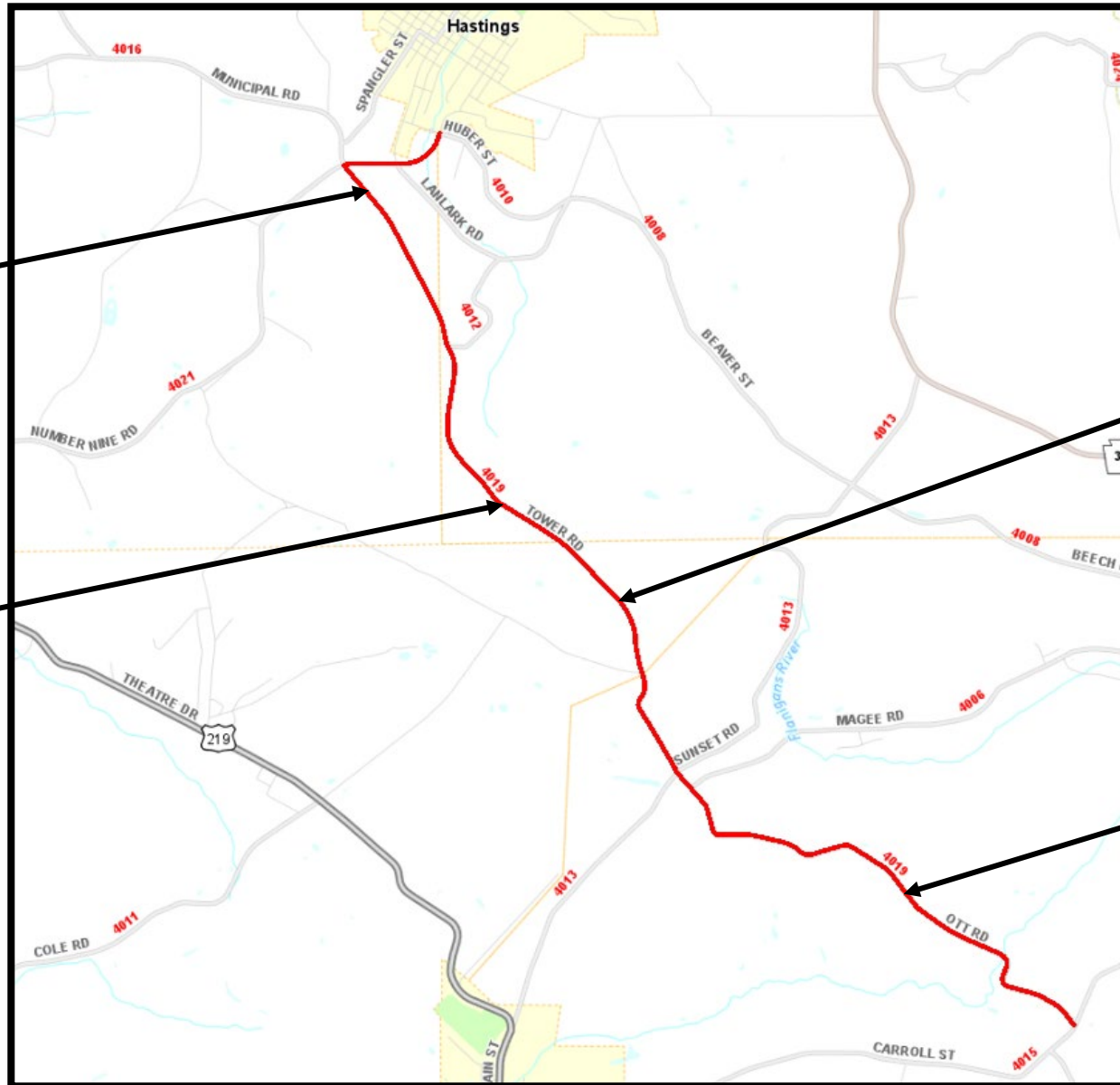
1.09 miles

Elder Twp.

Route 4019

Tower Road

1.05 miles



West Carroll Twp.

Route 4019

Tower Road

0.61 miles

East Carroll Twp.

Route 4019

Ott Road

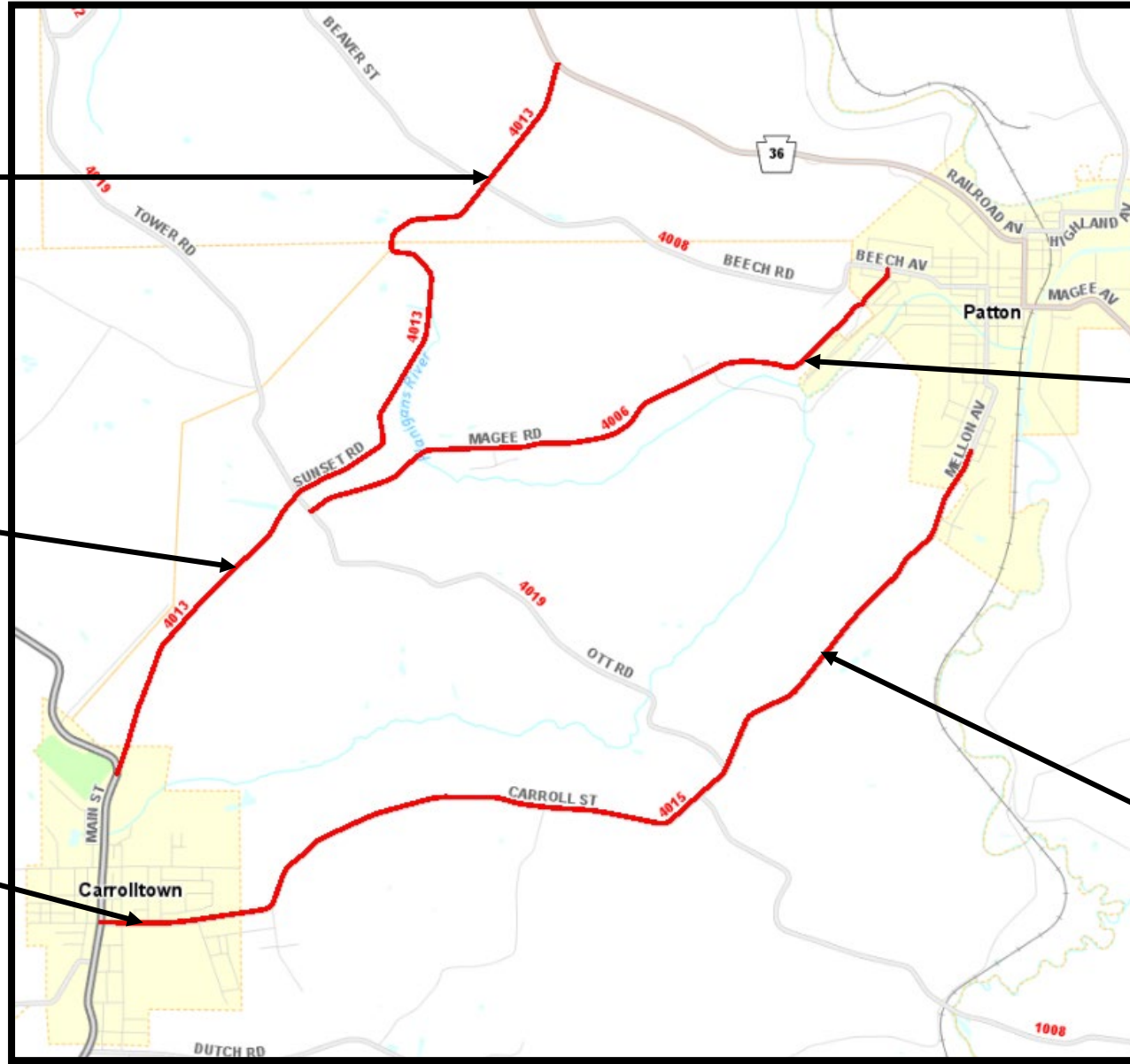
2.39 miles

2026 DEPARTMENT FORCE SEAL COATING

Elder Twp.
Route 4013
Sunset Road
0.93 miles

East Carroll Twp.
Route 4013
Sunset Road
2.35 miles

**Carrolltown
Borough**
Route 4015
Carroll Street
0.48 miles



East Carroll Twp.
Route 4006
Magee Road
2.31 miles

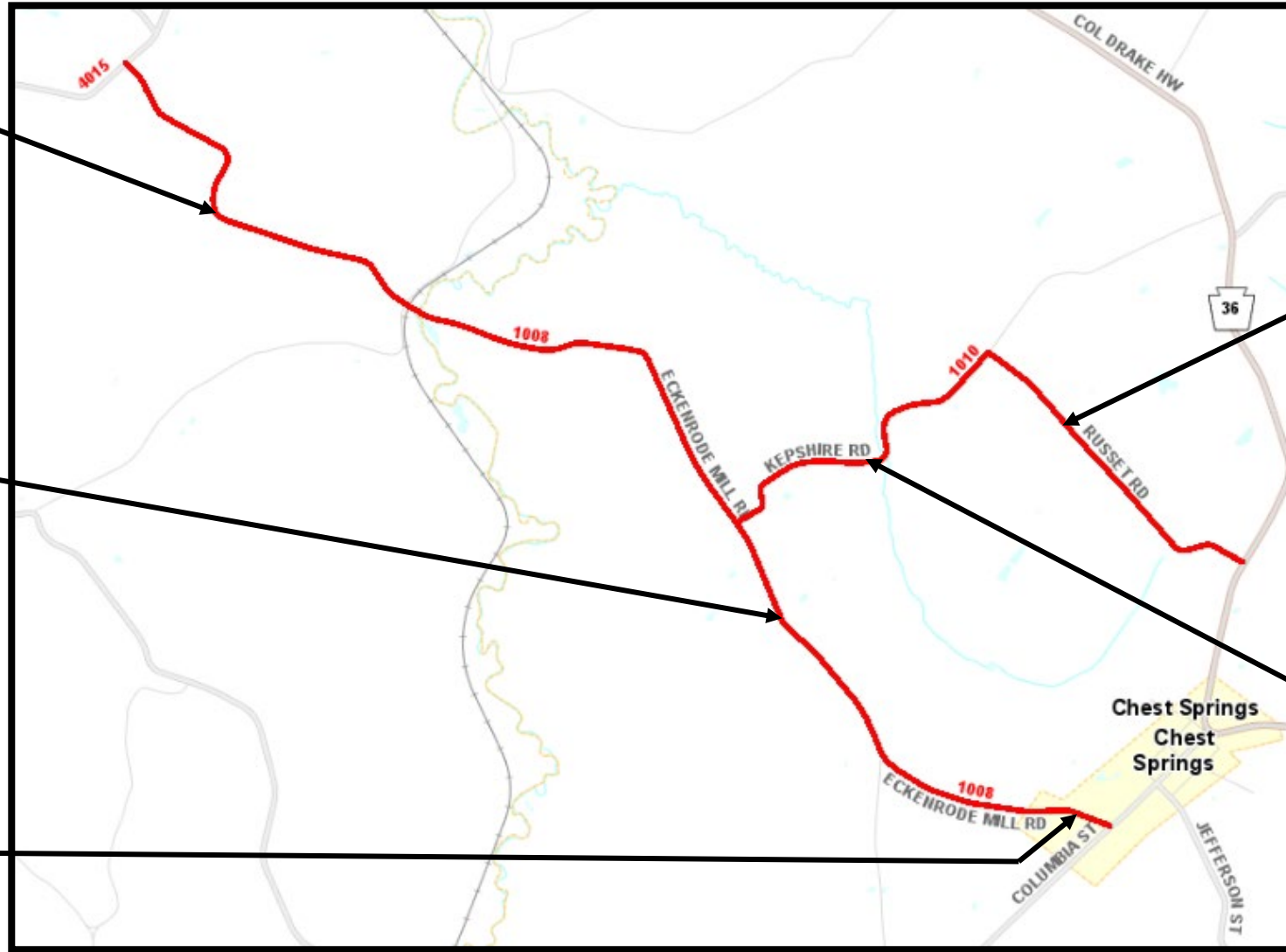
East Carroll Twp.
Route 4015
Carroll Street/Mellon Avenue
3.38 miles

2026 DEPARTMENT FORCE SEAL COATING

East Carroll Twp.
Route 1008
Eckenrode Mill Rd
1.30 miles

Allegheny Twp./Clearfield Twp.
Route 1008
Eckenrode Mill Rd
2.63 miles

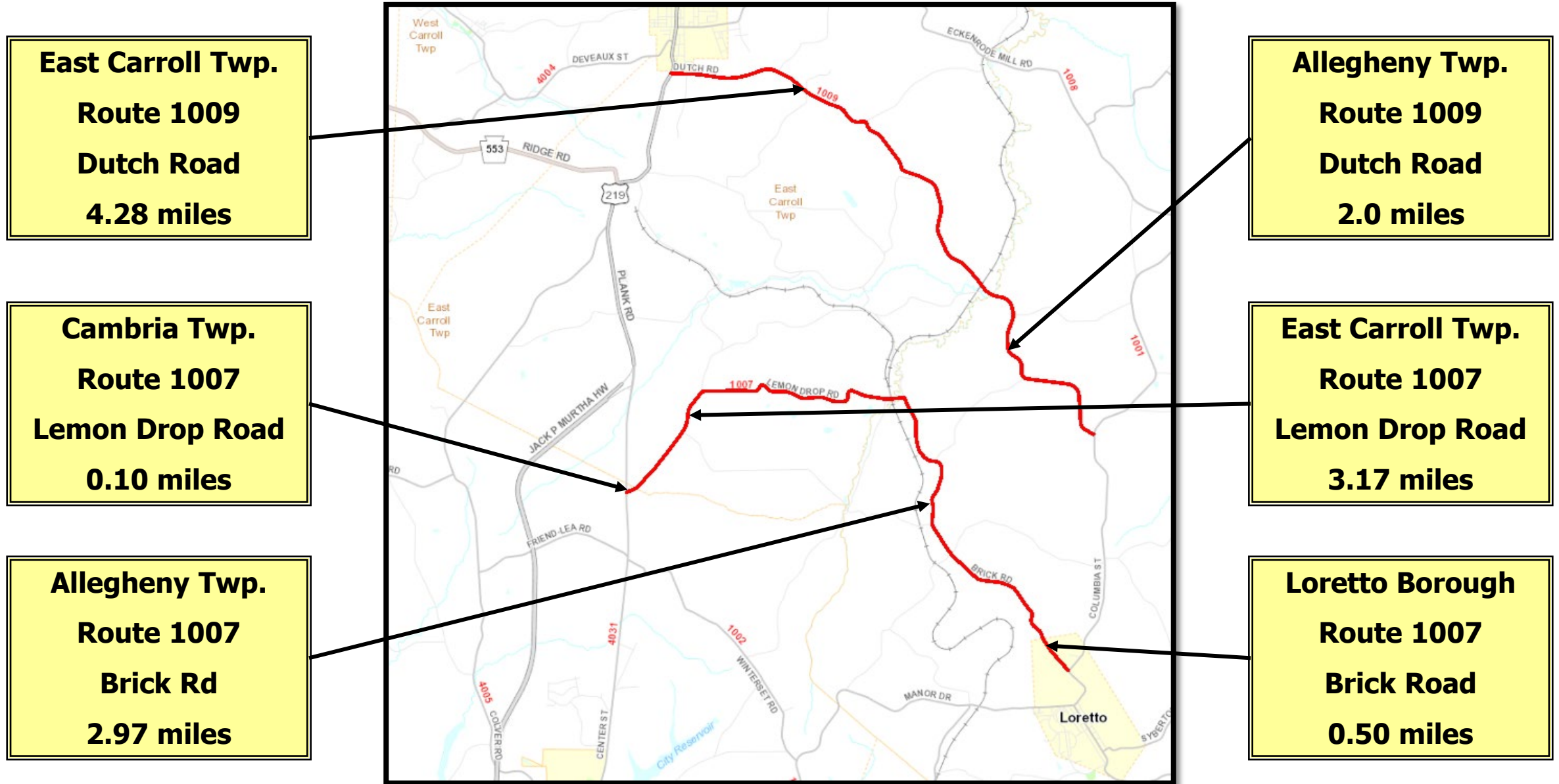
Chest Springs Borough
Route 1008
Eckenrode Mill Rd
0.26 miles



Clearfield Twp.
Route 1010
Russet Road
1.03 miles

Clearfield Twp.
Route 1010
Kepshire Road
1.06 miles

2026 DEPARTMENT FORCE SEAL COATING

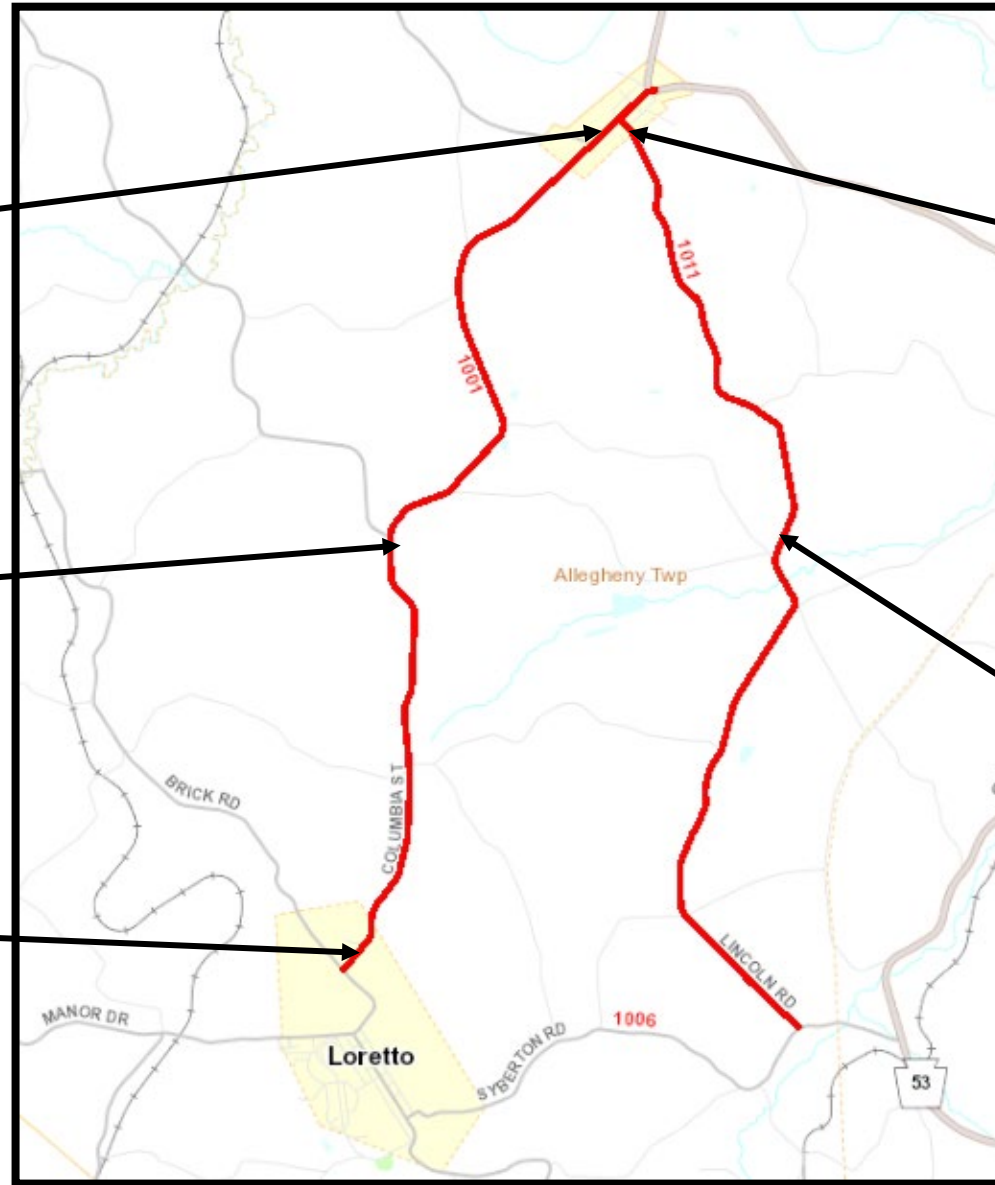


2026 DEPARTMENT FORCE SEAL COATING

**Chest Springs
Borough**
Route 1001
Columbia Street
0.59 miles

Allegheny Twp.
Route 1001
Columbia Street
4.66 miles

Loretto Borough
Route 1001
Columbia Street
0.30 miles



**Chest Springs
Borough**
Route 1011
Jefferson Street
0.10 miles

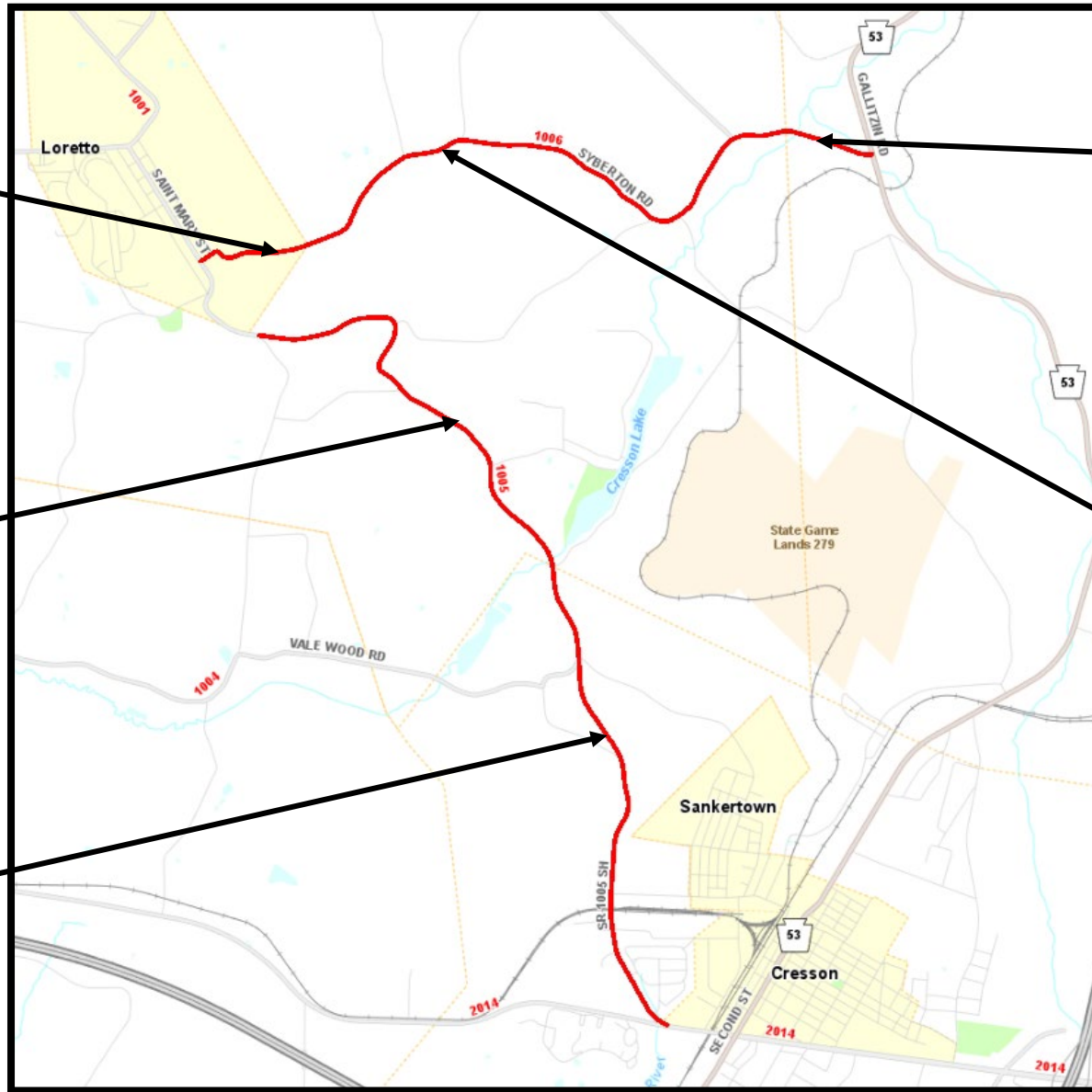
Allegheny Twp.
Route 1011
Lincoln
Road/Jefferson
Street
5.42 miles

2026 DEPARTMENT FORCE SEAL COATING

Loretto Borough
Route 1006
Syberton Road
0.44 miles

Allegheny Twp.
Route 1005
SH 1005
1.84 miles

Cresson Twp.
Route 1005
SH 1005
1.88 miles



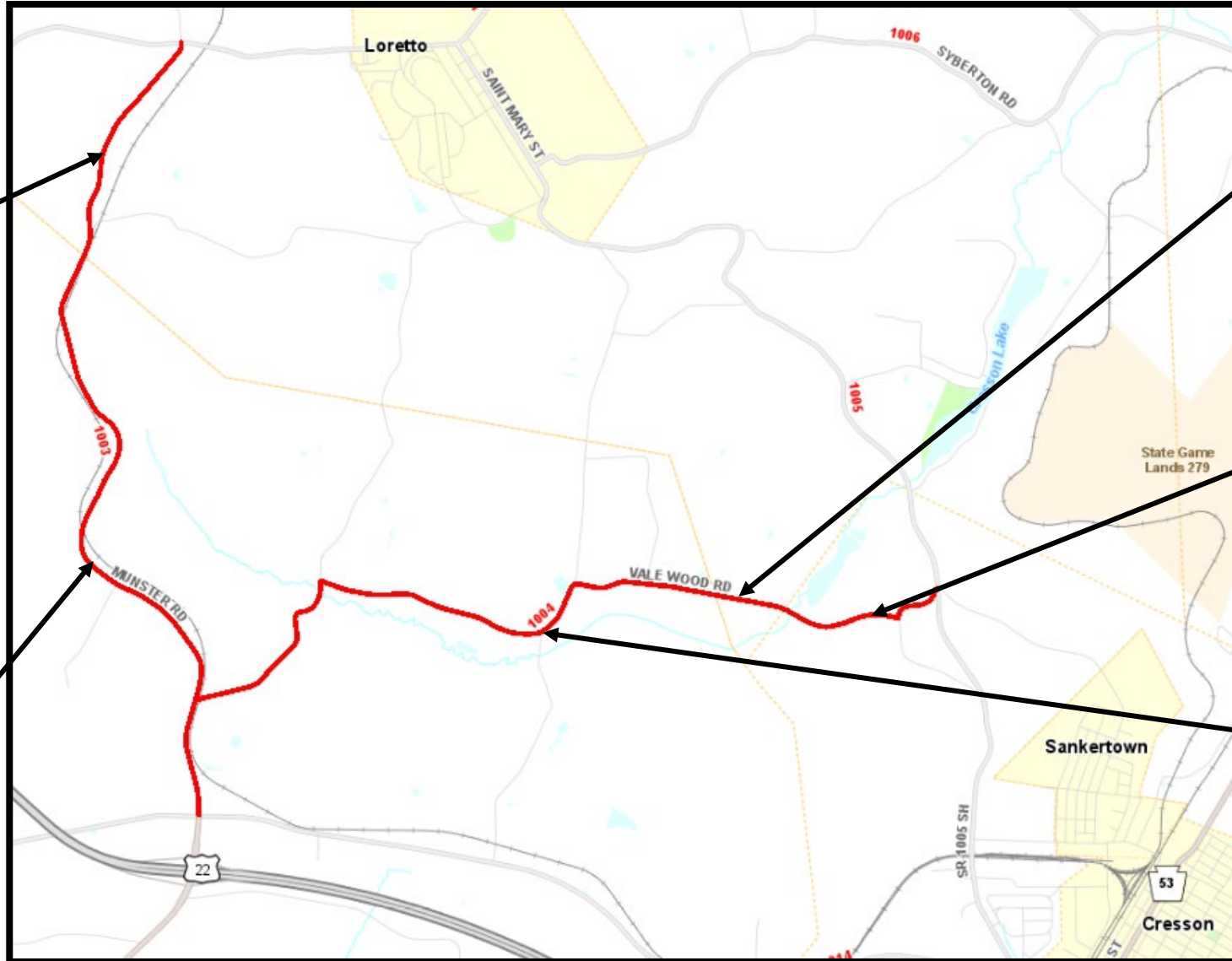
Gallitzin Twp.
Route 1006
Syberton Road
0.34 miles

Allegheny Twp.
Route 1006
Syberton Road
2.27 miles

2026 DEPARTMENT FORCE SEAL COATING

Allegheny Twp.
Route 1003
Munster Road
0.87 miles

Munster Twp.
Route 1003
Munster Road
2.35 miles

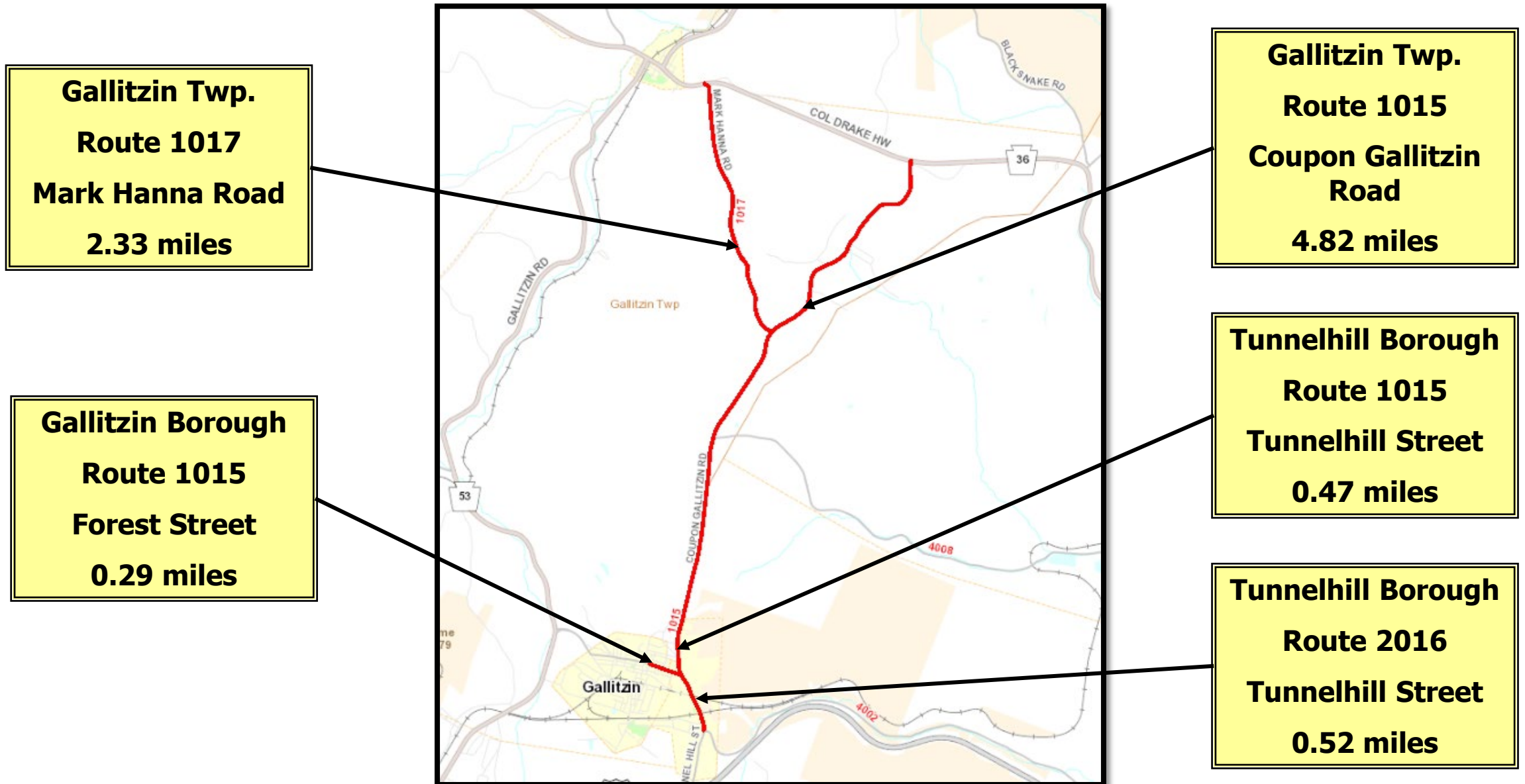


Allegheny Twp.
Route 1004
Valewood Road
0.25 miles

Cresson Twp.
Route 1004
Valewood Road
0.61 miles

Munster Twp.
Route 1004
Valewood Road
2.32 miles

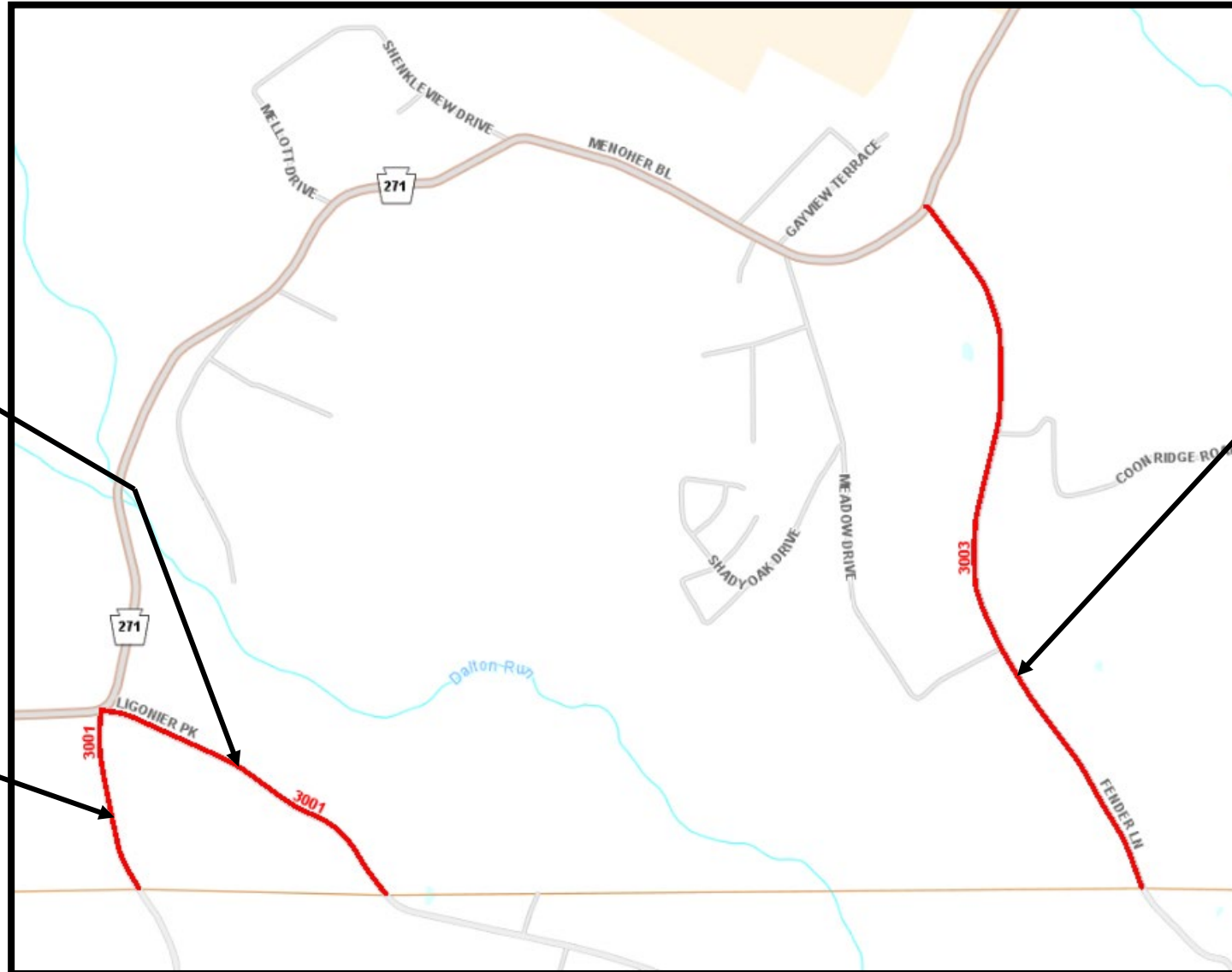
2026 DEPARTMENT FORCE SEAL COATING



2026 DEPARTMENT FORCE SEAL COATING

**Upper Yoder Twp.
Route 3001
Ligonier Pike
0.61 miles**

**Upper Yoder Twp.
Route 3001
North Fork Road
0.34 miles**



**Upper Yoder Twp.
Route 3003
Fender Lane
1.35 miles**

2026 DEPARTMENT FORCE SEAL COATING

**Richland Twp.
Route 3015
First Street/Mine
Thirtyseven Road
1.32 miles**



**Scalp Level
Borough
Route 3015
Main Street/Locust
Street
0.74 miles**

AGILITY AGREEMENTS

5 Agreements with **City of Johnstown, Adams, Reade & Cresson Townships, and GJCTC.**

Mowing, Snow Removal & Vacuuming For
Line Painting, Drainage & Crack Sealing



Other Possible Activities

- Sign Replacements
- Shoulder Cutting

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!**

CAMBRIA 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

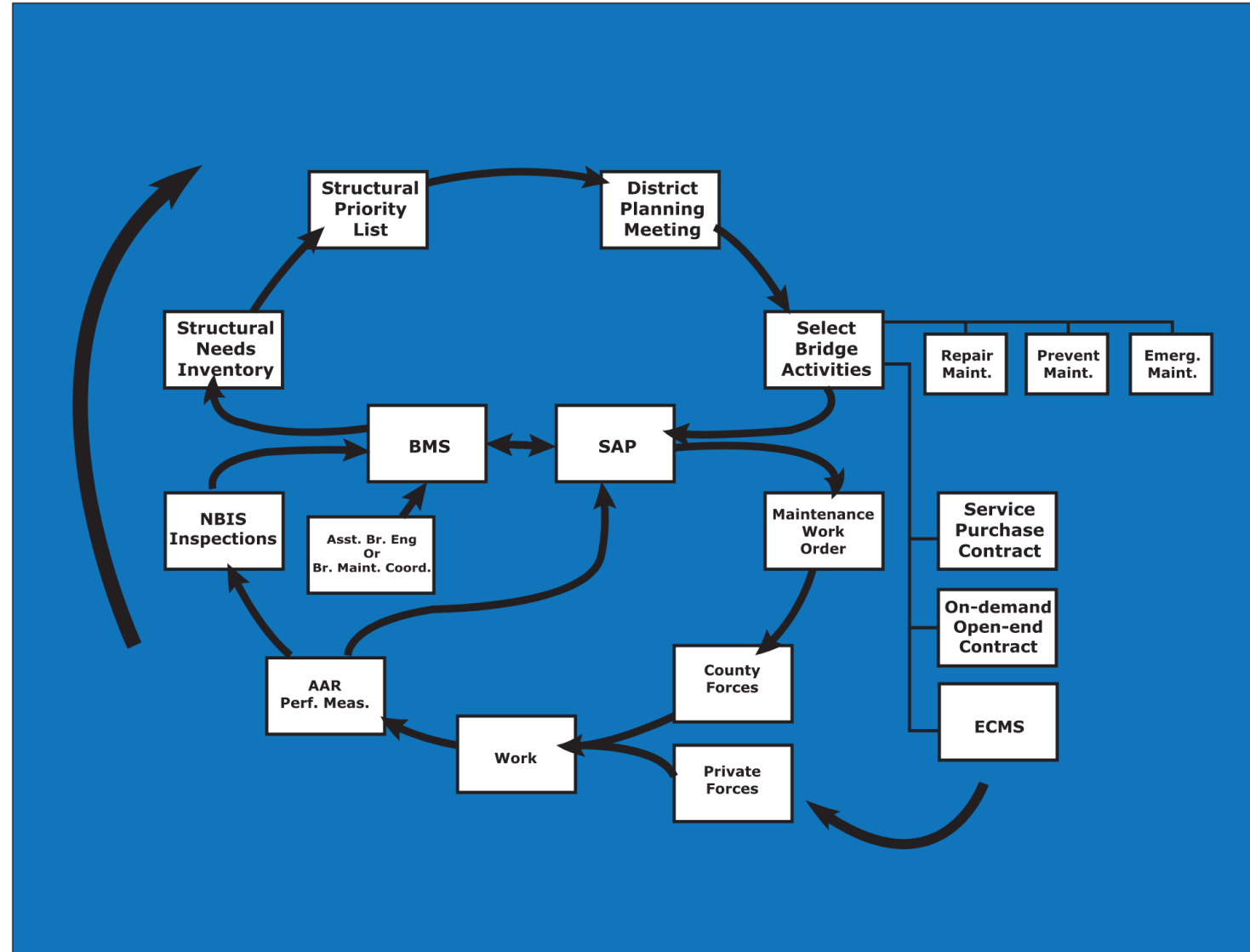


Figure 1-1 - Process Map

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

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

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

FUNDING OPPORTUNITIES

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

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

 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

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

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

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](#)

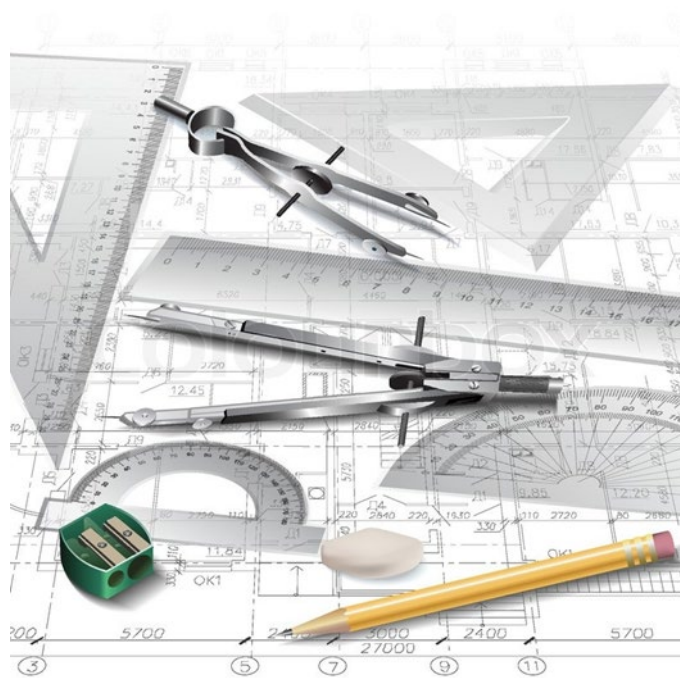
Redevelopment Assistance Capital Program (RACP)

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.

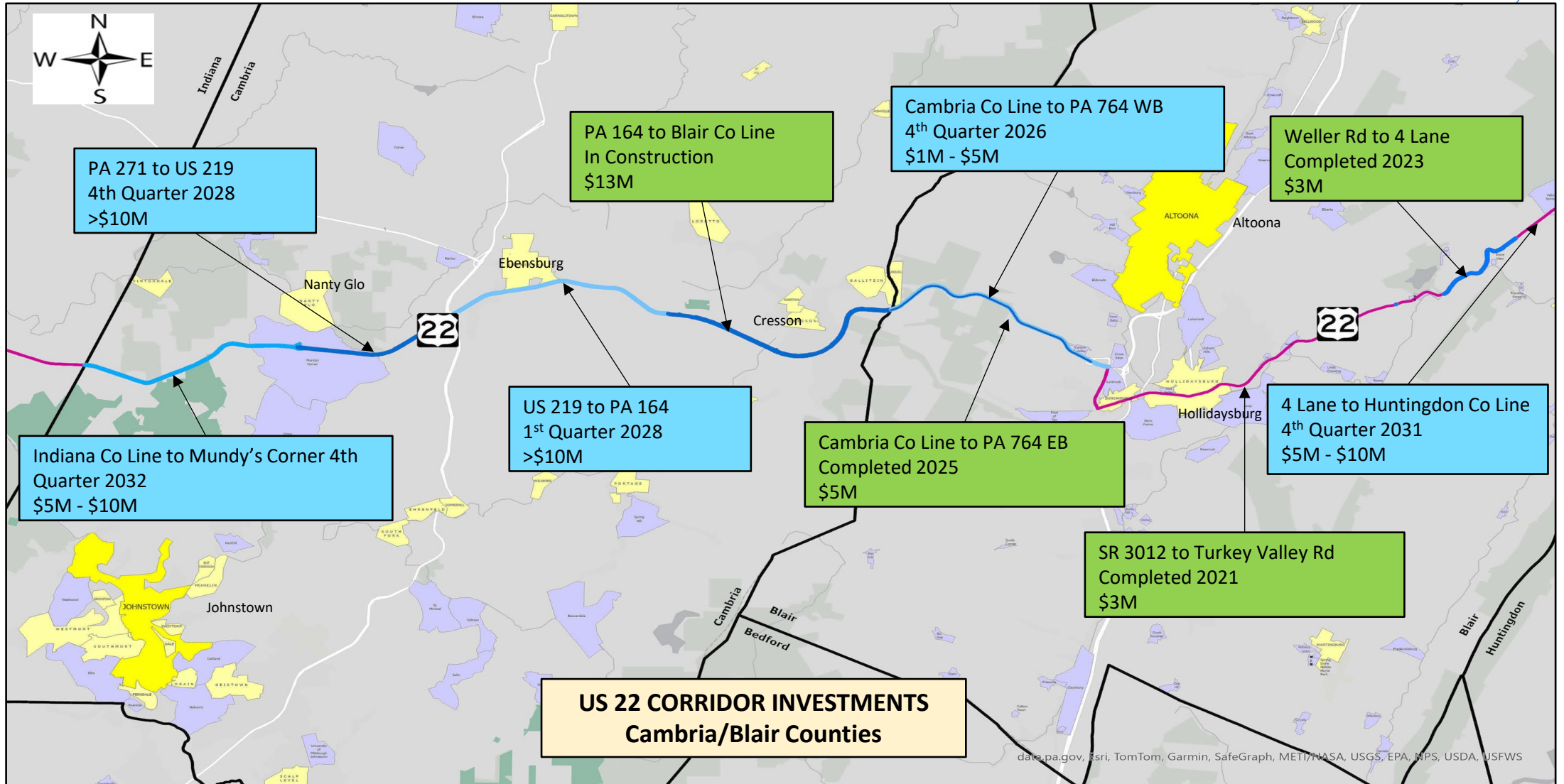
More Info: [Google PA RACP](#)

 Pennsylvania Department of Transportation

Current Design Projects



US 22 CORRIDOR INVESTMENTS

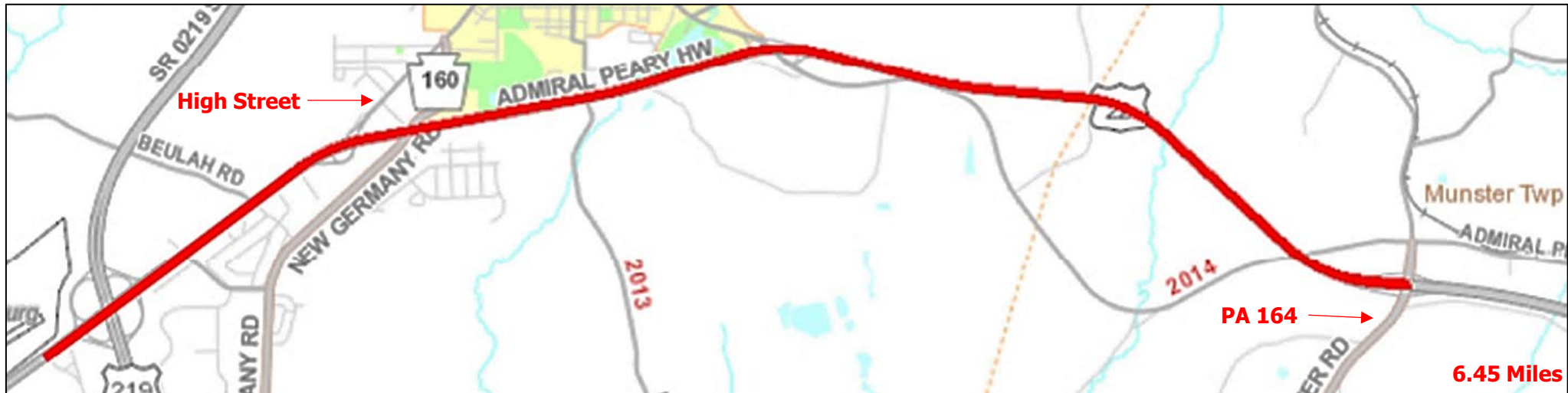


Previous Investments: \$24M **Programmed Investments: \$40M - \$45M** **Total Investments: \$64M - \$69M**

US 22 – US 219 TO PA 164



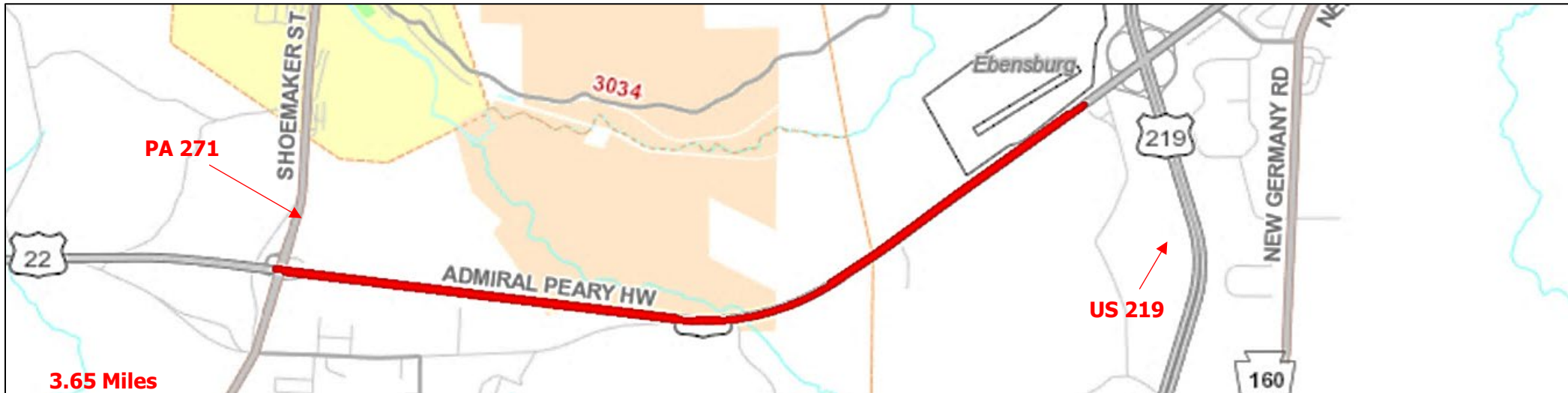
- **Project Type:** Resurfacing, intersection improvements throughout corridor, and Drainage & Guide Rail updates as required
- **Location:** US 22 from US 219 to PA 164 in Cambria Township and Munster Township
- **Construction Estimate:** Greater than \$10.0 Million
- **Anticipated Bid Opening:** 1st Quarter of 2028



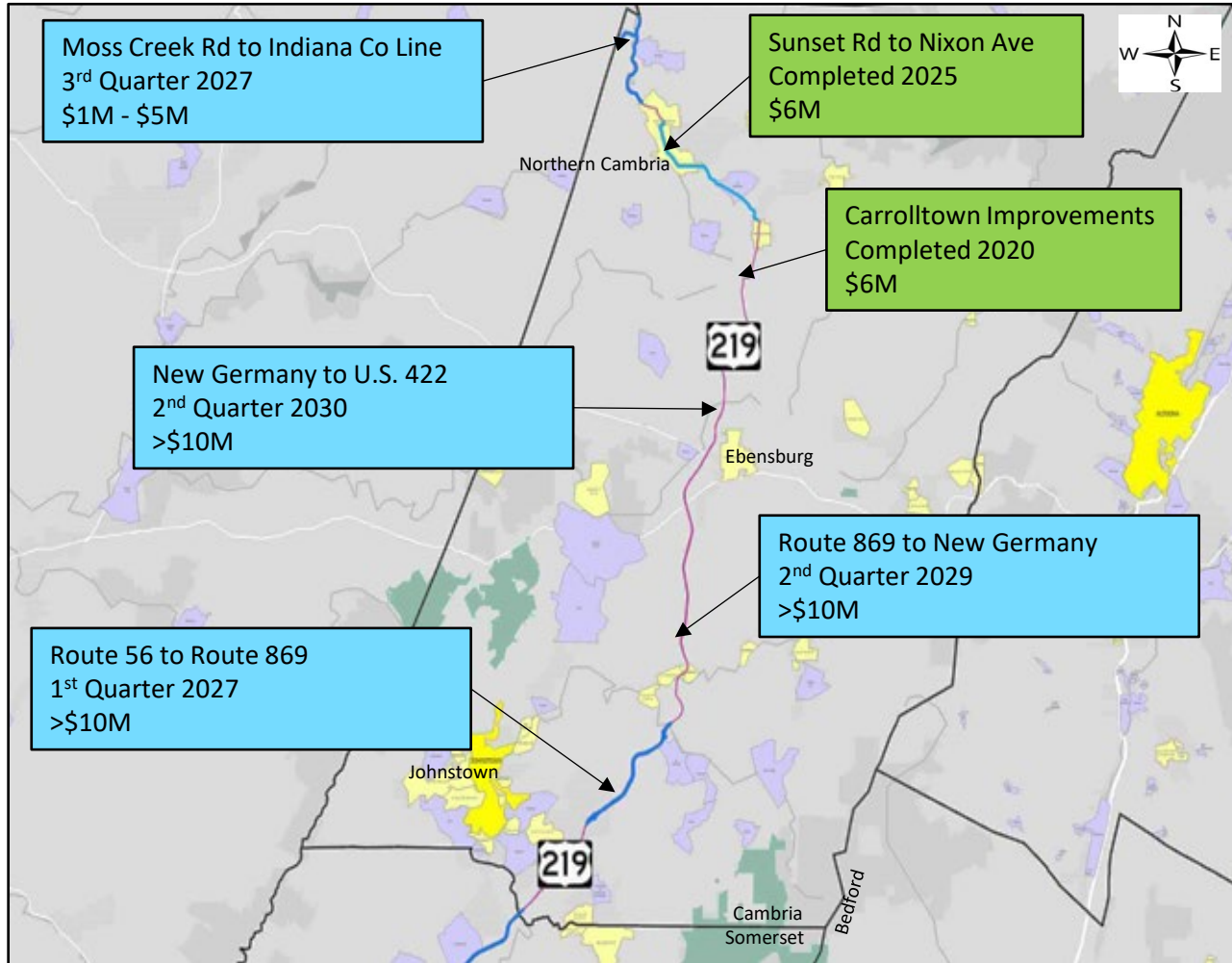
US 22 – PA 271 TO US 219



- **Project Type:** Resurfacing
- **Location:** US 22 from PA 271 to US 219 in Cambria and Jackson Township
- **Construction Estimate:** Greater than \$10.0 Million
- **Anticipated Bid Opening:** 4th Quarter 2028



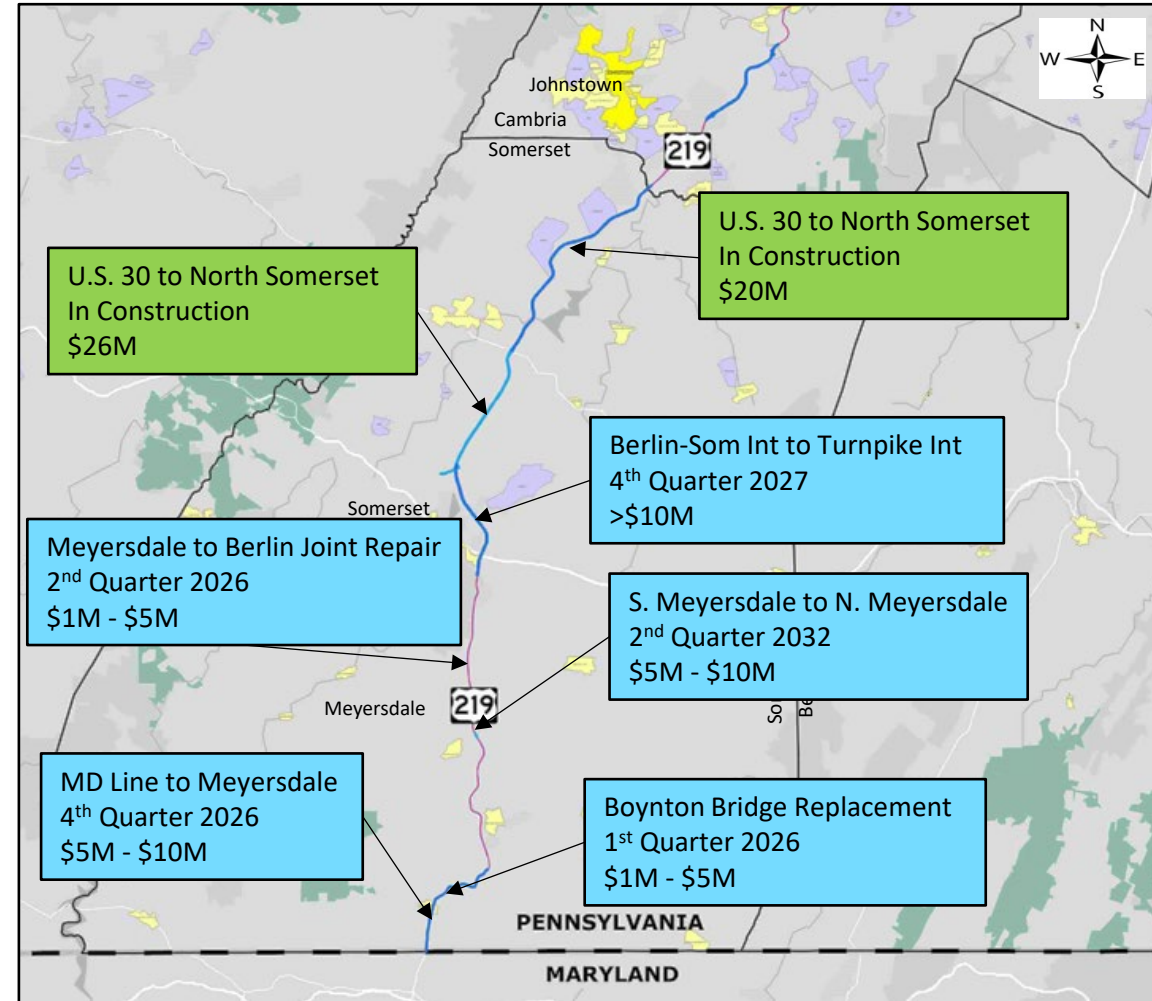
U.S. 219 CORRIDOR INVESTMENTS



CAMBRIA COUNTY

Previous Investments: \$52M

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



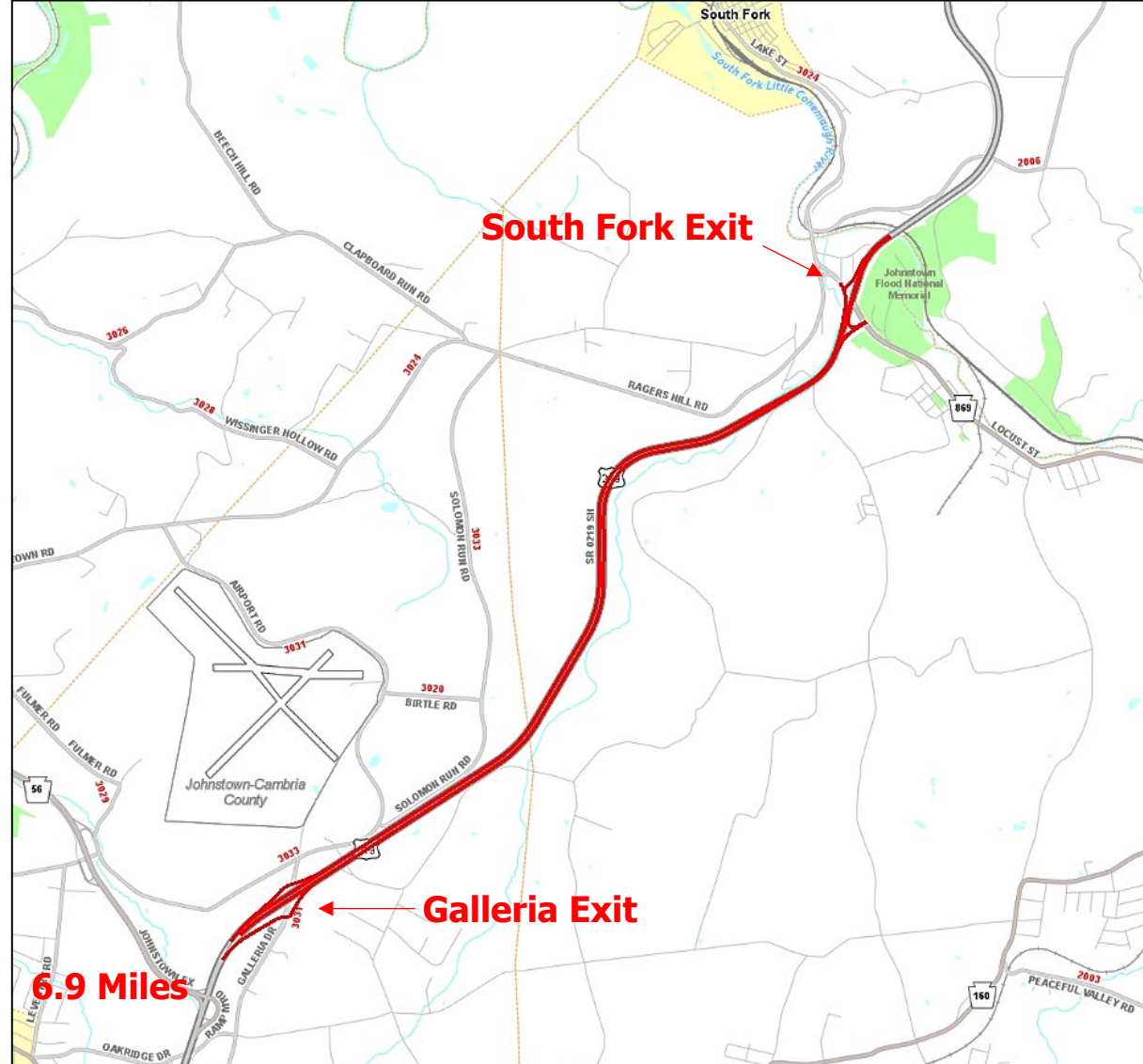
SOMERSET COUNTY

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

U.S. 219 – ROUTE 56 TO ROUTE 869



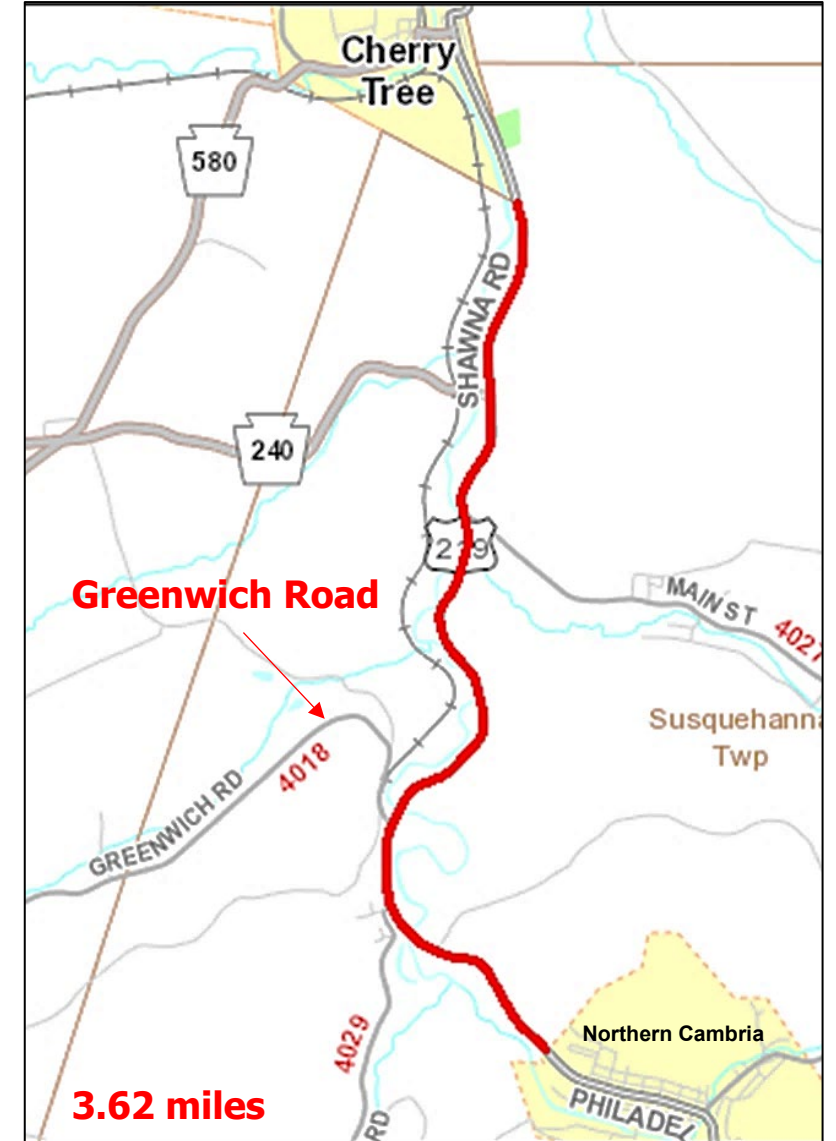
- **Project Type:** Resurfacing
- **Location:** On U.S. 219 from Route 56 to Route 869 in Richland, Adams, and Croyle Townships
- **Construction Estimate:** Greater than \$10.0 Million
- **Anticipated Bid Opening:** 1st Quarter 2027



U.S. 219 - MOSS CREEK ROAD TO INDIANA COUNTY LINE



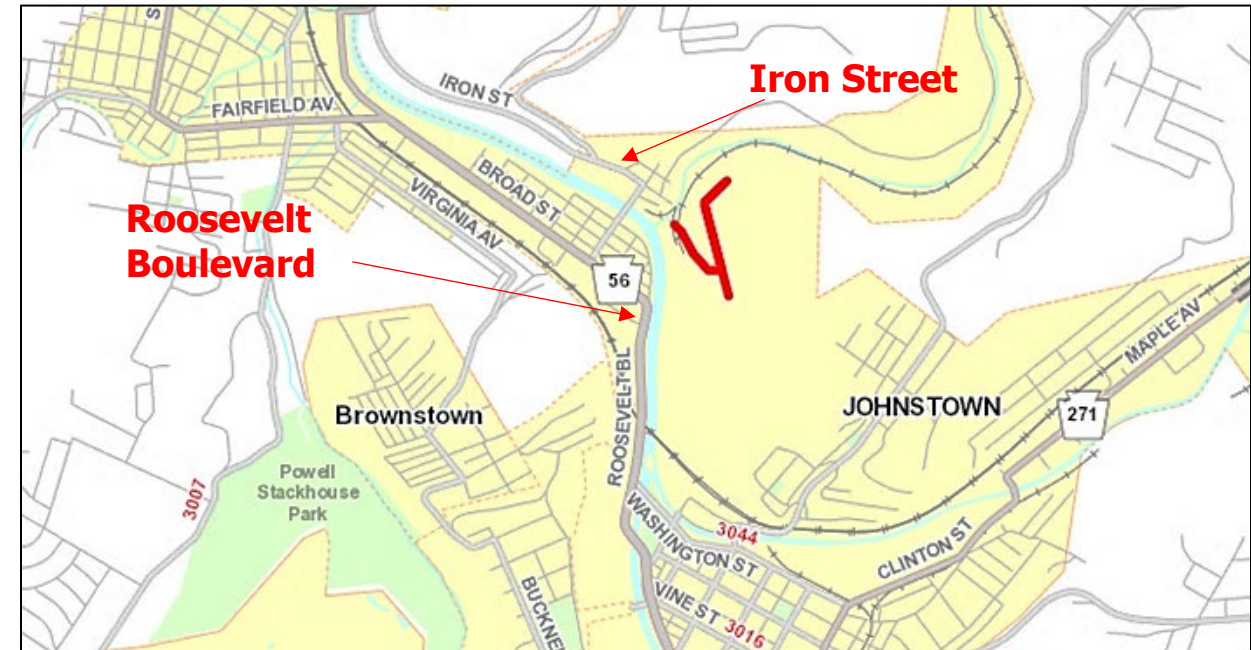
- **Project Type:** Resurfacing
- **Location:** U.S. 219 from the Northern Cambria Borough line to the Indiana County Line in Susquehanna Township
- **Construction Estimate:** \$1.0 - \$5.0 Million
- **Anticipated Bid Opening:** 3rd Quarter 2027



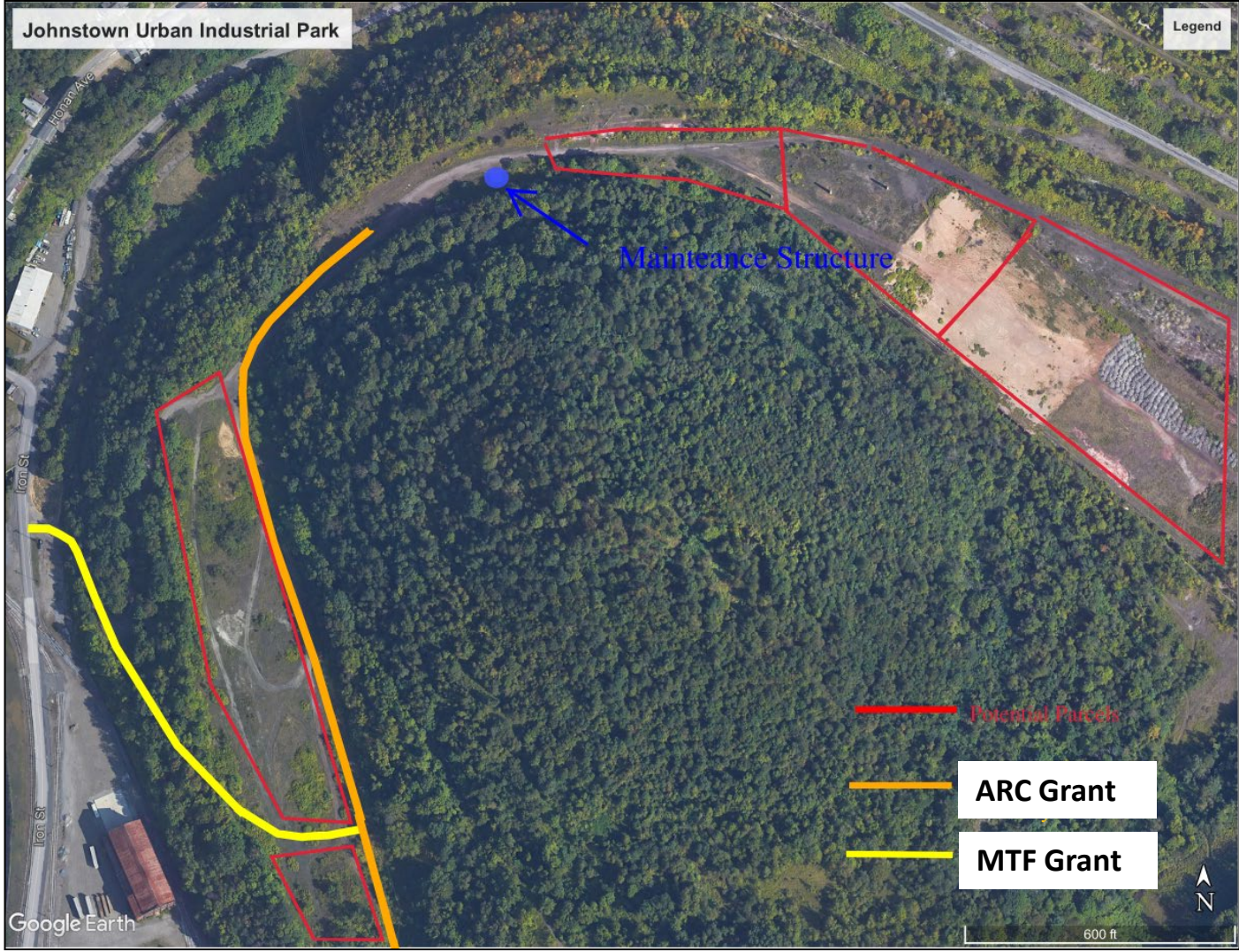
JOHNSTOWN URBAN INDUSTRIAL PARK CONNECTOR STREET



- **Project Type:** New Roadway
- **Location:** Off-alignment from Iron Street to Johnstown Urban Industrial Park in the City of Johnstown
- **Construction Estimate:** \$1.0 Million - \$5.0 Million
- **Anticipated Bid Opening:** 4th Quarter 2026



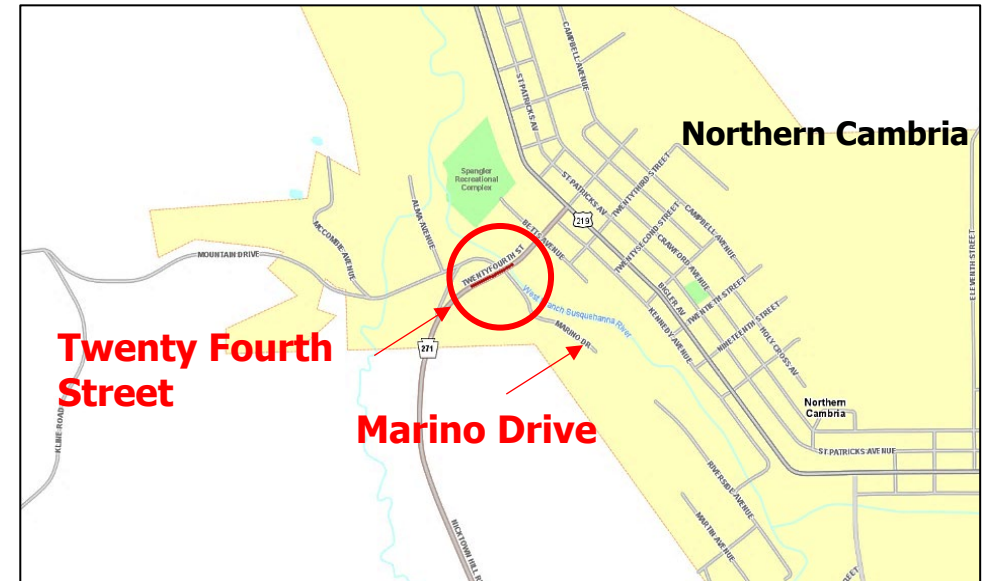
JOHNSTOWN URBAN INDUSTRIAL PARK CONNECTOR STREET



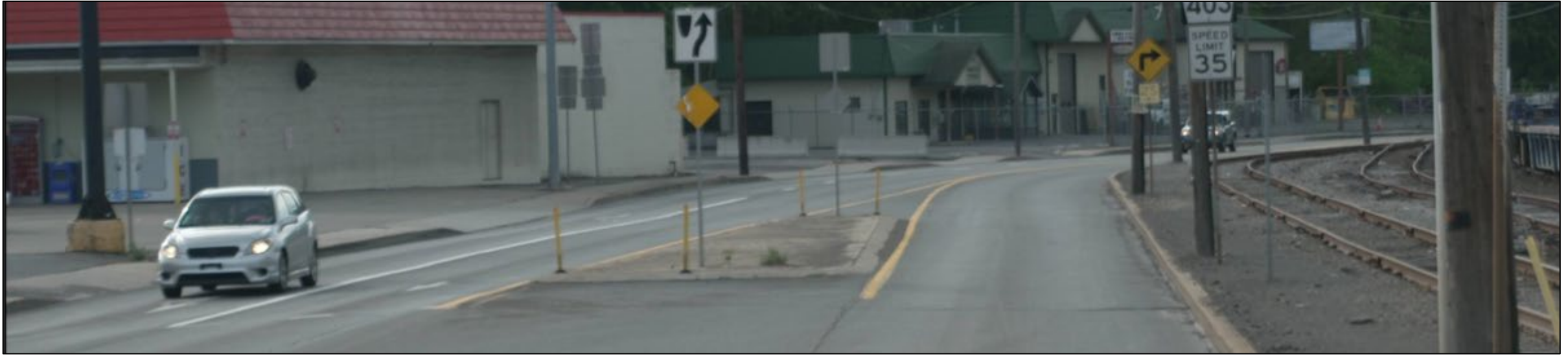
ROUTE 271 SUSQUEHANNA RIVER BRIDGE



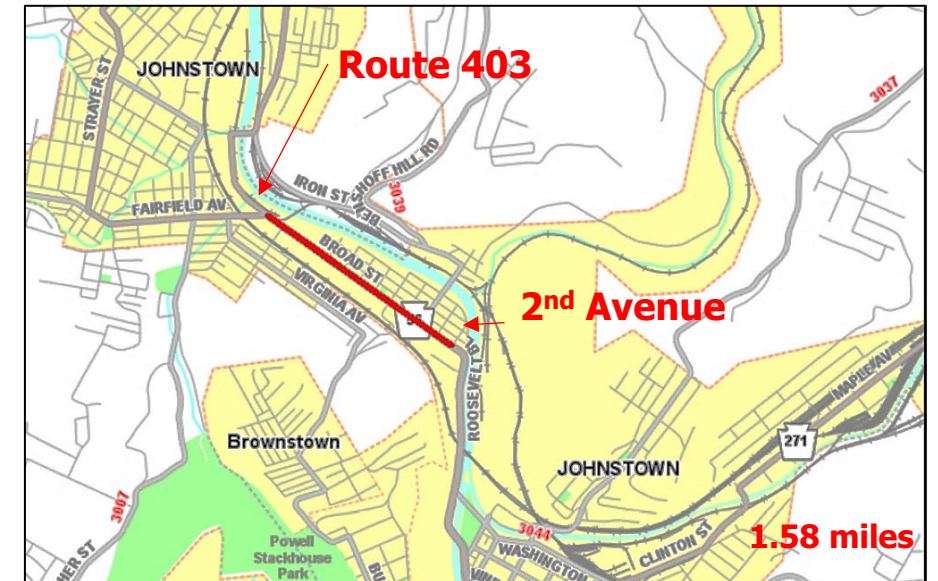
- **Project Type:** Bridge Replacement
- **Location:** Route 271 over West Branch of Susquehanna River in Northern Cambria Borough
- **Construction Estimate:** \$1.0 - \$5.0 Million
- **Anticipated Bid Opening:** 1st Quarter 2027



ROUTE 56 - ROUTE 403 TO 2ND AVENUE



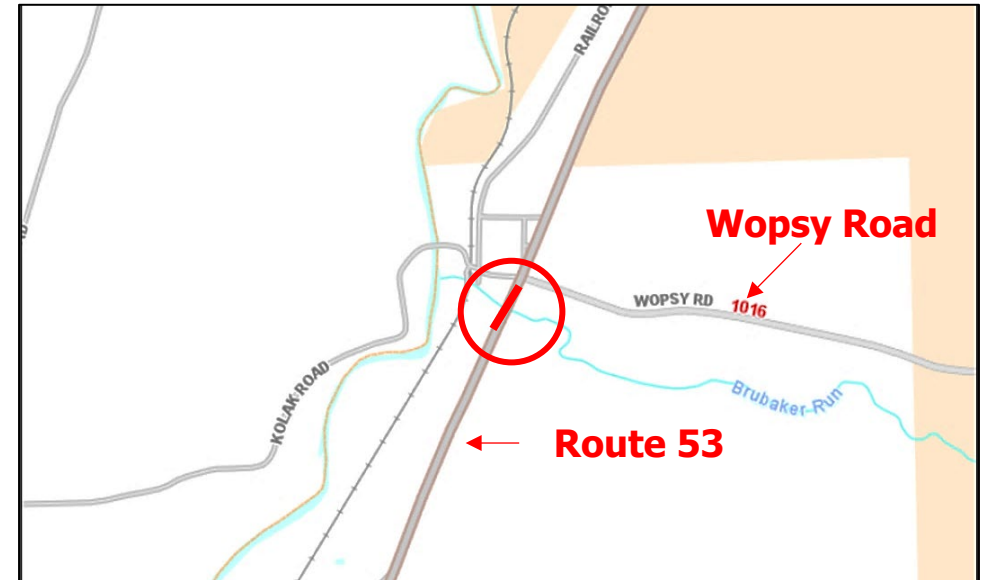
- **Project Type:** Resurfacing
- **Location:** On Route 56 from Route 403 to 2nd Avenue in City of Johnstown
- **Construction Estimate:** \$1.0 - \$5.0 Million
- **Anticipated Bid Opening:** 2nd Quarter 2027



BRUBAKER RUN BRIDGE



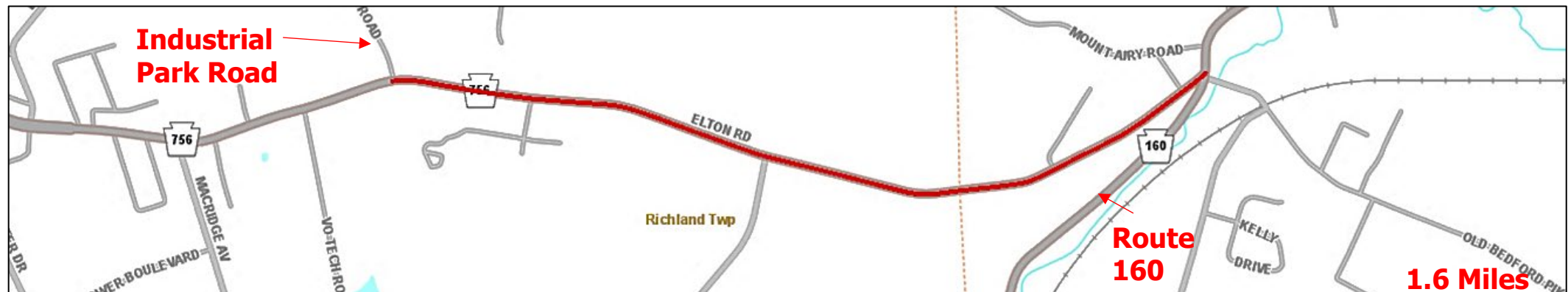
- **Project Type:** Bridge Replacement
- **Location:** On Route 53 over Brubaker Run in Dean Township
- **Construction Estimate:** \$1.0 - \$5.0 Million
- **Anticipated Bid Opening:** 4th Quarter 2027



ROUTE 756 – ROUTE 160 TO INDUSTRIAL PARK ROAD



- **Project Type:** Resurfacing
- **Location:** On Route 756 from Route 160 to Industrial Park Road in Adams and Richland Townships
- **Construction Estimate:** \$1.0 – \$5.0 Million
- **Anticipated Bid Opening:** 4th Quarter 2027



ROUTE 53 PATTYS RUN BRIDGE



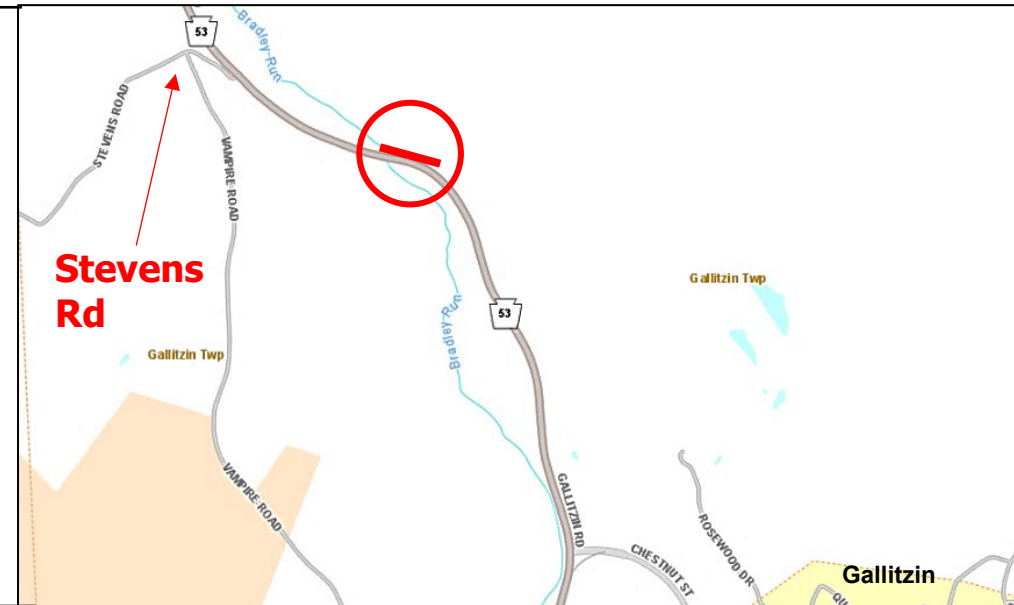
- **Project Type:** Bridge Replacement
- **Location:** Route 53 over Pattys Run near the intersection of South Spruce Street in Ashville Borough and Gallitzin Township, Cambria County
- **Construction Estimate:** \$1.0 - \$5.0 Million
- **Anticipated Bid Year:** 1st Quarter 2028



BRADLEY RUN BRIDGE



- **Project Type:** Bridge Replacement
- **Location:** Route 53 over Bradley Run near the intersection of Stevens Road (T-457) in Gallitzin Township **Construction Estimate:** \$1.0 - \$5.0 Million
- **Anticipated Bid Opening** 1st Quarter 2028



ROUTE 53 LOST CREEK BRIDGE



- **Project Type:** Bridge Replacement
- **Location:** Route 53 over Lost Creek near the intersection of Black Snake Road (Route 1014) in Dean Township
- **Construction Estimate:** \$1.0 - \$5.0 Million
- **Anticipated Bid Year:** 1st Quarter 2028

Questions

