# PENNDOT DISTRICT 9-0 FULTON COUNTY

VINCE GREENLAND, P.E. ACTING DISTRICT EXECUTIVE



### **DISTRICT 9 – DISTRICT EXECUTIVE CHANGES**

### **Acting District Executive Rotation**

April and May	Vince Greenland, PE, Assistant District Executive - Design vgreenland@pa.gov (o)814-696-7151 (c)814-937-7661
June and July	Brad Brumbaugh, PE, Assistant District Executive - Construction <u>brbrumbaug@pa.gov</u> (o)814-696-7130 (c)814-932-7839
August and September	David Kammerer, PE, Assistant District Executive - Maintenance <u>dakammerer@pa.gov</u> (o)814-696-7176 (c)814-207-2205

#### PENNDOT Engineering District 9-0 OUTREACH 2023 Fulton County AGENDA

#### Vince Greenland, Acting District Executive

- o Greeting and Introductions/Agenda Summary
- o Transportation Update

#### Vince Greenland, Acting District Executive

- Construction Project Update
- Overview for 2023 Construction Season

#### Todd Strait, Assistant County Maintenance Manager

- Winter Wrap-Up
- County Funded Improvements

#### Vince Greenland, Assistant District Executive, Design

- Future Projects
- Federal Local Access Road Projects

#### Southern Alleghenies Planning & Development Commission

#### Brandon Peters, Director of Planning & Community Development

o Local Technical Assistance Program (LTAP)

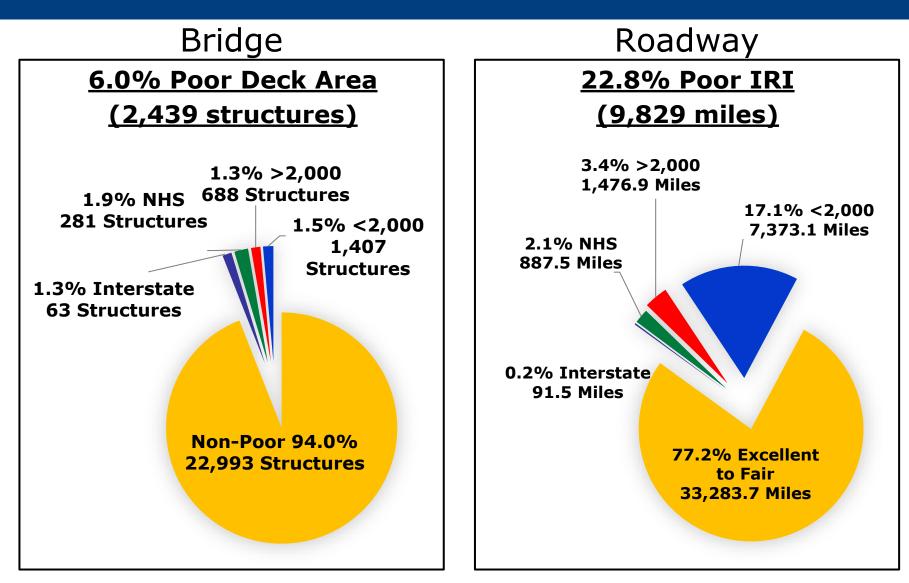
#### Question and Answer Session

### **PENNDOT BY THE NUMBERS**





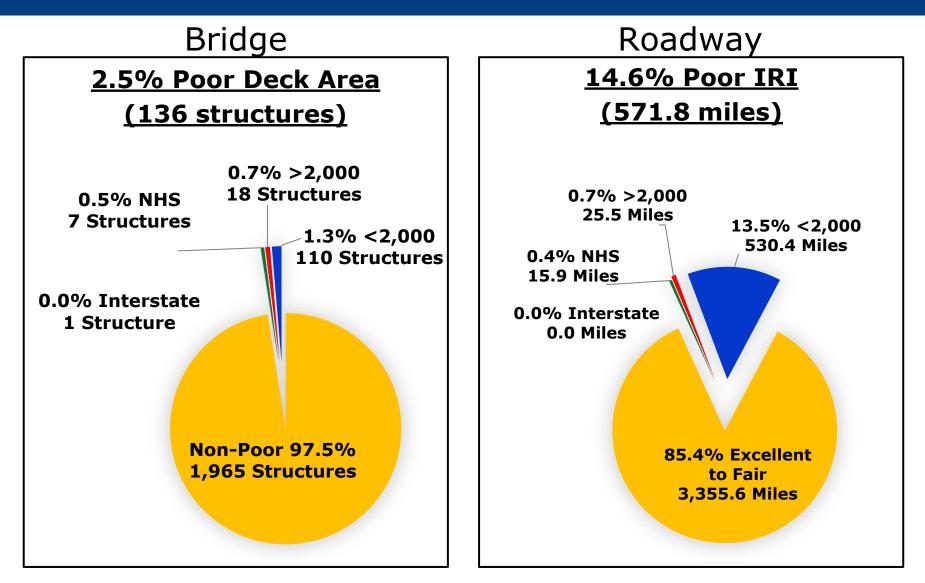
### **BRIDGE AND ROADWAY ASSETS - STATEWIDE**



Data from 2021 Annual Performance Measures Reports



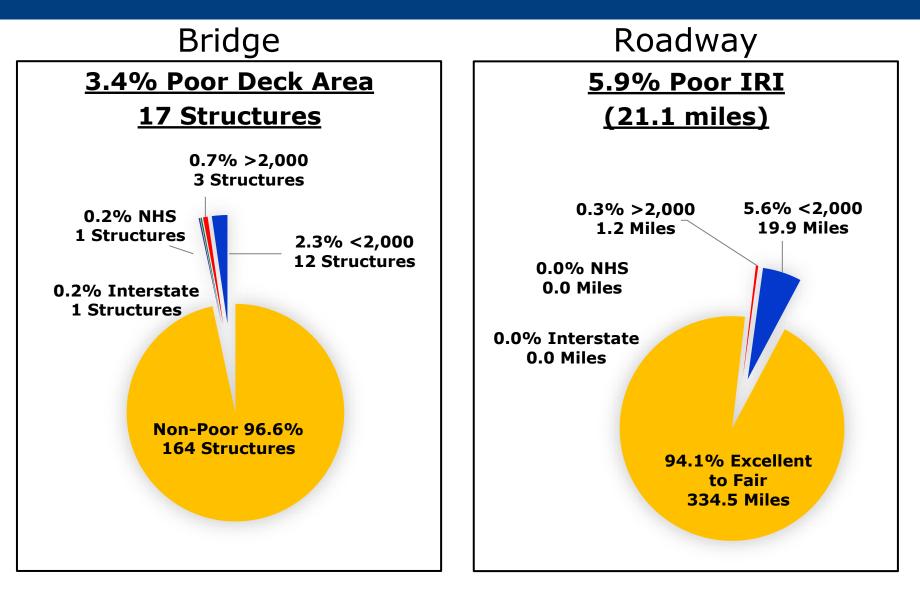
### **BRIDGE AND ROADWAY ASSETS – DISTRICT 9-0**



Data from 2021 Annual Performance Measures Reports



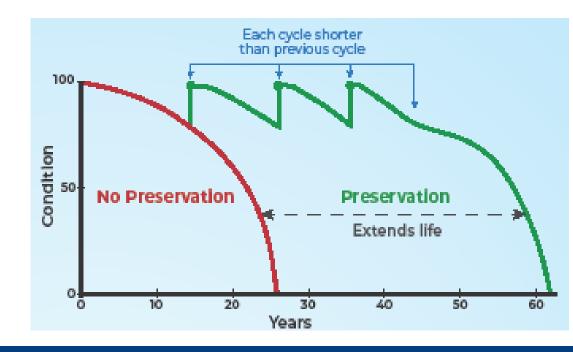
### **BRIDGE AND ROADWAY ASSETS - FULTON**



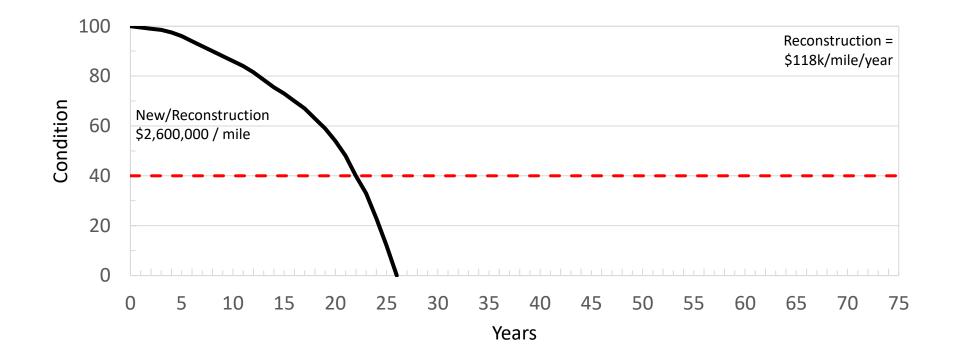
Data from 2021 Bridge Management System and Roadway Management System



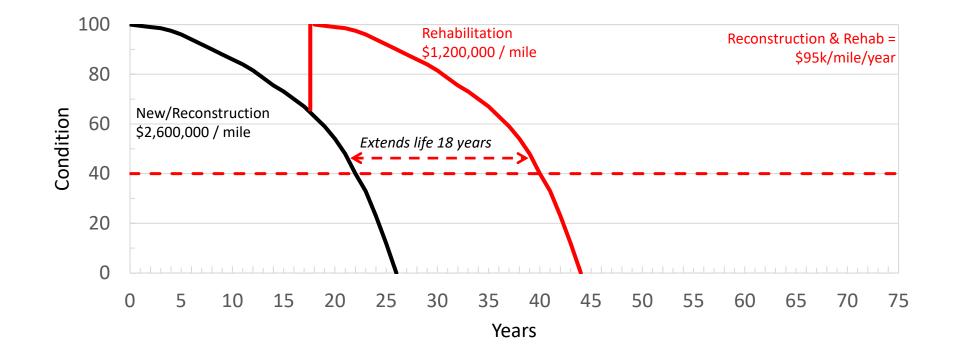
- Federal requirement
- Manage assets over their entire life
- The right treatment to the right asset at the right time to extend the life for lowest practicable cost
- Maximize life, minimize costs
- LLCC ≠ worst first (at the network level)



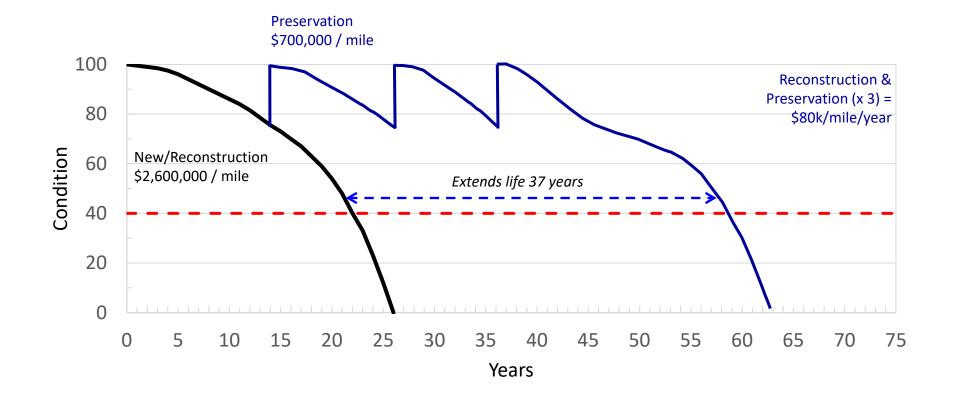




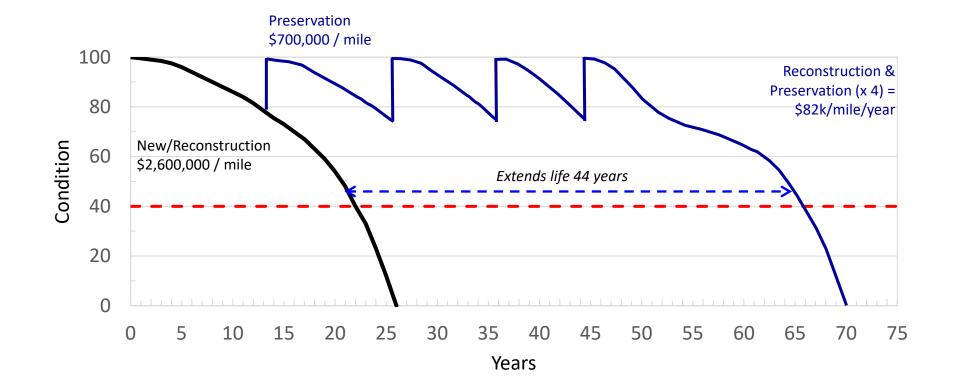














### **2023 TIP FINANCIAL GUIDANCE**

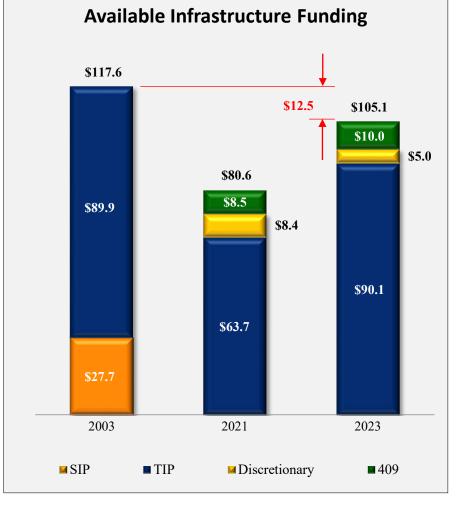
	Original Guidance FFY 2023-2026 (\$000's)	BIL Estimates FFY 2023-2026 (\$000's)*	lncrease (\$000's)	Increase (%)
Blair MPO	\$44,750	\$66,492	\$21,742	48.59%
Cambria MPO	\$65,669	\$95,500	\$29,831	45.43%
S Alleghenies RPO	\$134,284	\$198,598	\$64,314	47.89%
District 9	\$244,703	\$360,590	\$115,887	47.36%

\* Does not include Carbon Reduction Program (CRP) Funds



### **INFLATION IMPACTS**

- Inflation impacts in 2022:
  - Bid Prices
    - 9.3% increase
  - 2022 vs 2021 Construction Season Prices (Based on average prices April – October)
    - Asphalt Index adjustments 45.5% increase
    - Diesel Index prices 95.5% increase
  - 2022 vs 2021 Maintenance costs
    - Sealcoat Oil 16% increase
    - Sealcoat Stone 25% increase
    - Salt prices 15% increase
- Available funding in 2023
  - TIP funds increased 41.4% between 2023 and 2021 TIPs due to Bipartisan Infrastructure Law (BIL)



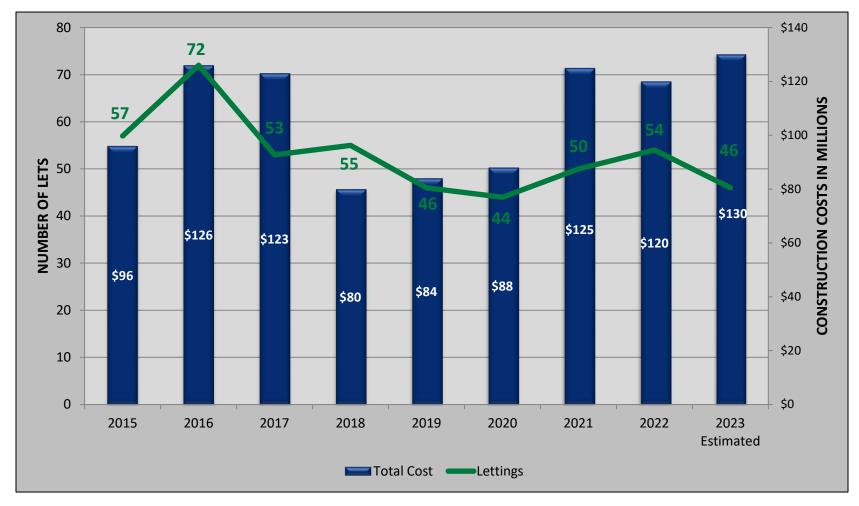
### **DISTRICT 9 2023 TIP PROGRAM SUMMARY**

	Total		Roadway			Bridge		
	\$000s	#	\$000s	#	%	\$000s	#	%
Blair MPO	\$ 66,492	62	\$ 36,679	22	55.2%	\$ 29,813	40	44.8%
ССМРО	\$ 95,500	58	\$ 60,645	28	63.5%	\$ 34,855	30	36.5%
S Alleghenies	\$ 198,598	121	\$ 104,605	35	52.7%	\$ 93,993	86	47.3%
District 9-0	\$ 360,590	241	\$ 201,929	85	56.0%	\$ 158,661	156	44.0%

Does not include Carbon Reduction Program (CRP) Funds



### **STATE ROADS AND BRIDGES – DISTRICT 9**



Note: US 219 projects are not included



### **2025 TIP UPDATE**

### 2025 Transportation Improvement Program Update



### **TRANSPORTATION IMPROVEMENT PROGRAM**

- Federal Requirement
- Detail of every project over the next 4 years
- 1<sup>st</sup> 4-years of Twelve-Year Program
- Developed and managed by Metropolitan and Rural Planning Organizations
- Fiscally constrained by year
- Public Involvement requirements
- Updated every 2 years

### **2025 TIP UPDATE DISTRICT 9-0**

- Carryover projects
- Transportation Investment Plan
- MPO/RPO and PENNDOT review the candidate list for possible inclusion in the program
  - Asset Management
    - Bridge
    - Roadway
    - Geotech
  - Safety
  - Long Range Transportation Plan
  - Other studies
- Planning Partners and PENNDOT review project information and establish project priorities
- PennDOT Connects: Every Project

### **2025 PROGRAM UPDATE**

### Public Input

- TYP input is solicited bi-annually through the State Transportation Commission in odd years
  - Comments being accepted through April 30, 2023
  - Online Public Forum April 12, 2023
- TIP project needs are solicited via County Planning Commission every other year

### • FFY 2025 TIP

- Spring of 2023: Local priorities are submitted via Planning Partners for consideration on the Draft TIP
- December 2023: Draft TIPs developed
- Summer of 2024: Public Comment Period
- October 1, 2024: TIP takes effect



For additional information on TIP Priorities:

### Justin Evans

Planning and Mapping Director Fulton County Planning Commission 814-485-3717 planning@co.fulton.pa.us



FULTON COUNTY CONSTRUCTION PROJECTS

VINCENT S. GREENLAND, P.E. ACTING DISTRICT EXECUTIVE



AWARDED CONTRACTS



### **ROUTE 1001: ROUTE 522 TO ROUTE 16**

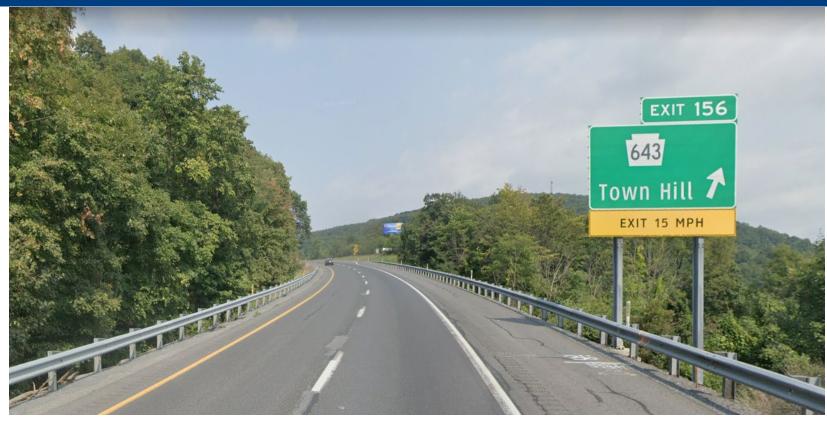


- **Scope:** Resurfacing and Safety Improvements (7.6 Miles)
- Traffic Control: Daylight Flagging
- **Construction Timeframe:** May 2023 Oct 2023
- **Contractor:** P&W Excavating, Inc.
- Current Contract: \$2,783,992

### **ROUTE 1001: ROUTE 522 TO ROUTE 16**

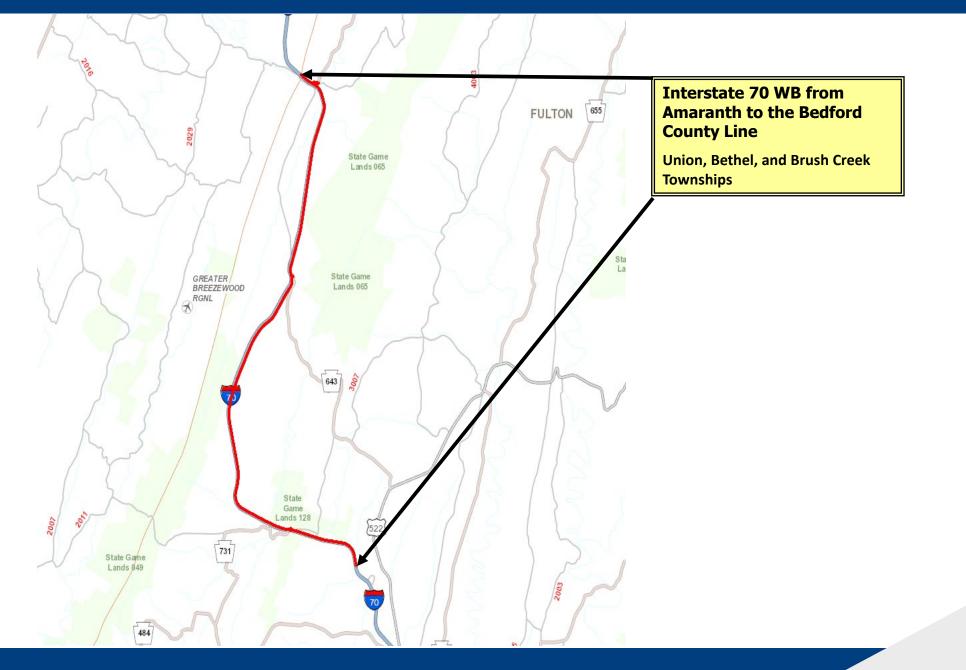


### **I-70: WB AMARANTH TO BEDFORD COUNTY LINE**



- **Scope:** Resurfacing, Structure Rehabilitation and Replacement, Drainage and Guiderail Upgrades (14.8 miles)
- Traffic Control: Long Term Traffic Control Phased
- Construction Timeframe: Apr 2022 Nov 2023
- Contractor: New Enterprise Stone & Lime Co., Inc.
- Current Contract: \$12,103,368

#### I-70: WB AMARANTH TO BEDFORD COUNTY LINE



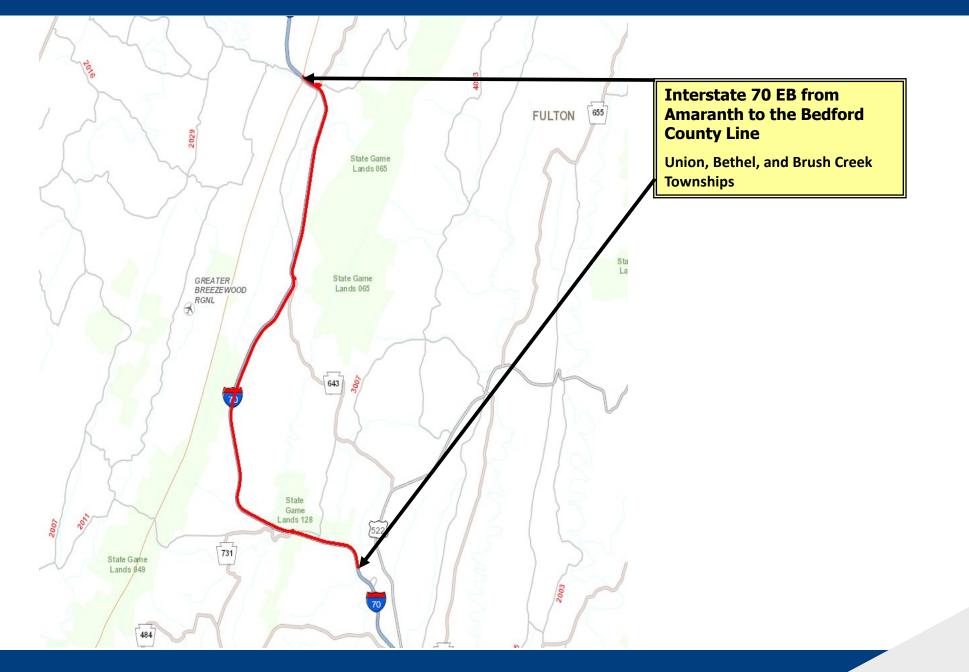
#### **I-70: EB AMARANTH TO BEDFORD COUNTY LINE**



- Scope: Resurfacing, Structure Rehabilitation and Replacement, Drainage and Guiderail Upgrades (14.8 miles)
   Let with I-70 Amaranth to MD Line
- Traffic Control: Long Term Traffic Control Phased
- Construction Timeframe: May 2023 Aug 2027
- **Contractor:** New Enterprise Stone & Lime Co., Inc.
- Current Contract: \$ 30,900,000



### I-70: EB AMARANTH TO BEDFORD COUNTY LINE



#### **I-70: AMARANTH INTERCHANGE-MARYLAND STATE LINE**



- Scope: Resurfacing, Structure Rehabilitation and Replacement, Drainage and Guiderail Upgrades (5.0 miles)
   Let with I-70 EB Amaranth to Bedford Line
- Traffic Control: Long Term Traffic Control Phased
- Construction Timeframe: May 2023 Aug 2027
- **Contractor:** New Enterprise Stone & Lime Co., Inc.
- Current Contract: \$ 30,900,000

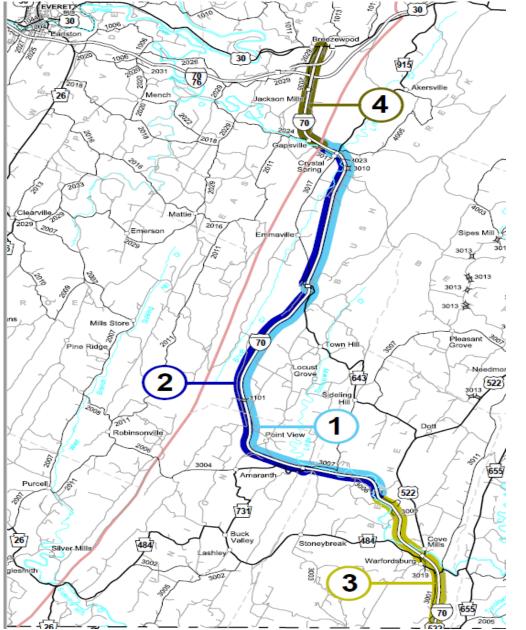


### **I-70: AMARANTH INTERCHANGE-MARYLAND STATE LINE**





# **I-70 PROJECTS**



- WB Amaranth to Bedford County Line, Completion in Fall 2023 -\$12.1 million
- EB Amaranth to Bedford County Line, Summer 2023 to Fall 2027 -\$19.4 million
- 3. Amaranth to MD Line, Summer 2023 to Fall 2027 \$11.5 million
- Breezewood to Fulton County Line, Completion in Fall 2023 -\$20.8 million

# **CONTRACTS TO BE BID**



### **ROUTE 522: ROUTE 30 TO PA TURNPIKE**



- **Scope:** Resurfacing and Safety Improvements (8.8 miles)
- **Traffic Control:** Daylight Flagging
- Construction Estimate: 5 to 10 Million
- Anticipated Bid Opening: 3<sup>rd</sup> Quarter of 2023

### **ROUTE 522: ROUTE 30 TO PA TURNPIKE**



# Thank You

**Questions?** 



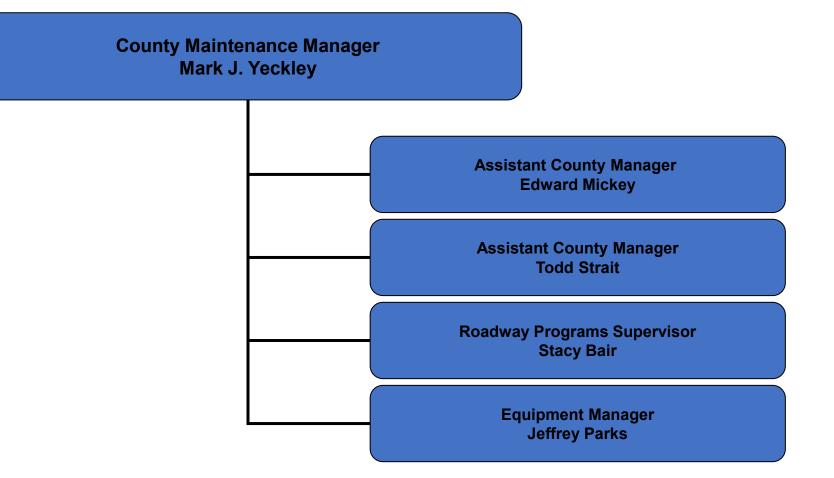


# FULTON COUNTY MAINTENANCE ACTIVITIES

DAVID KAMMERER, P.E., ADE - MAINTENANCE MARK J. YECKLEY, COUNTY MANAGER

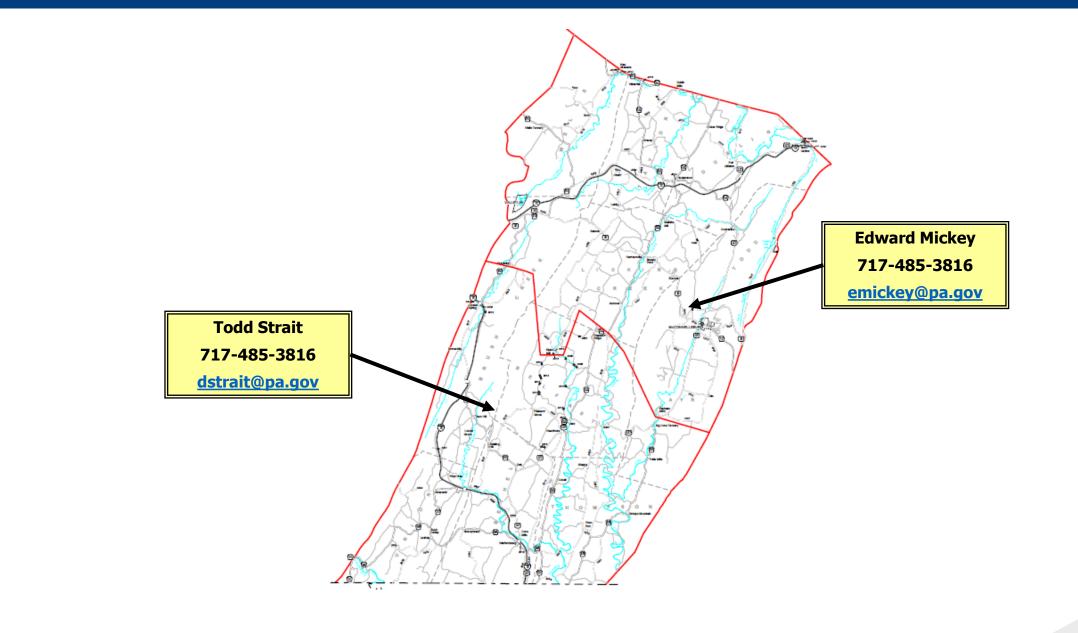


# **FULTON COUNTY STAFF**





# WHO TO CONTACT IN YOUR AREA





#### **2022 WINTER AGREEMENTS & 5 YEAR DEPARTMENT HISTORY**

No Winter Municipal Service Agreements at this time.

#### Avg. Rate - \$ 1,427 / mile





5 Year Department Winter Material Usage & Cost\*

	2018	2019	2020	2021	2022
SALT (tons)	6,639	2,434	4,954	3,850	3,085
SKID (tons)	9,125	2,913	6,773	4,079	2,869
BRINE (gals)	111,043	39,483	105,201	89,383	94,754
<b>COST</b> (000's)	\$ 2,132	\$1,896	\$2,481	\$2,175	\$2,256

\*as of 3/23/23



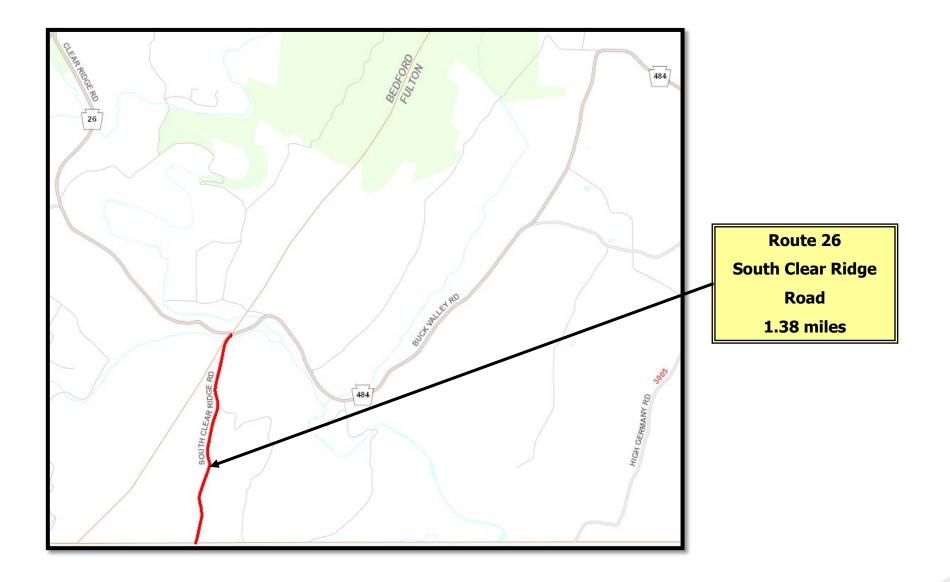
# PUTTING MONEY ON THE ROAD

### **2023 Department Force Work Summary**

- Seal Coating
  - 20.03 miles on 5 routes
  - Estimated Cost \$ 449,044

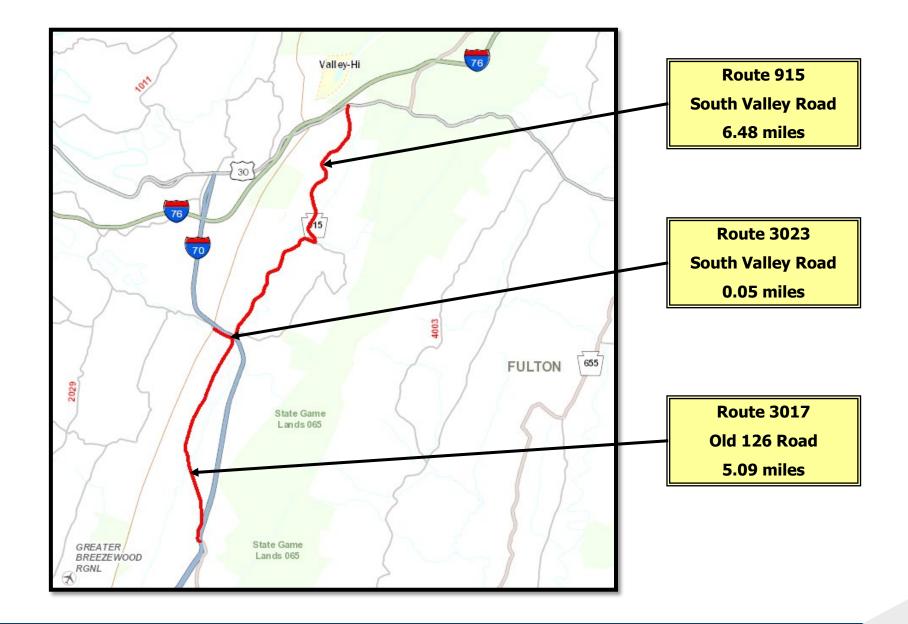


## **2023 DEPARTMENT FORCE SEAL COATING**

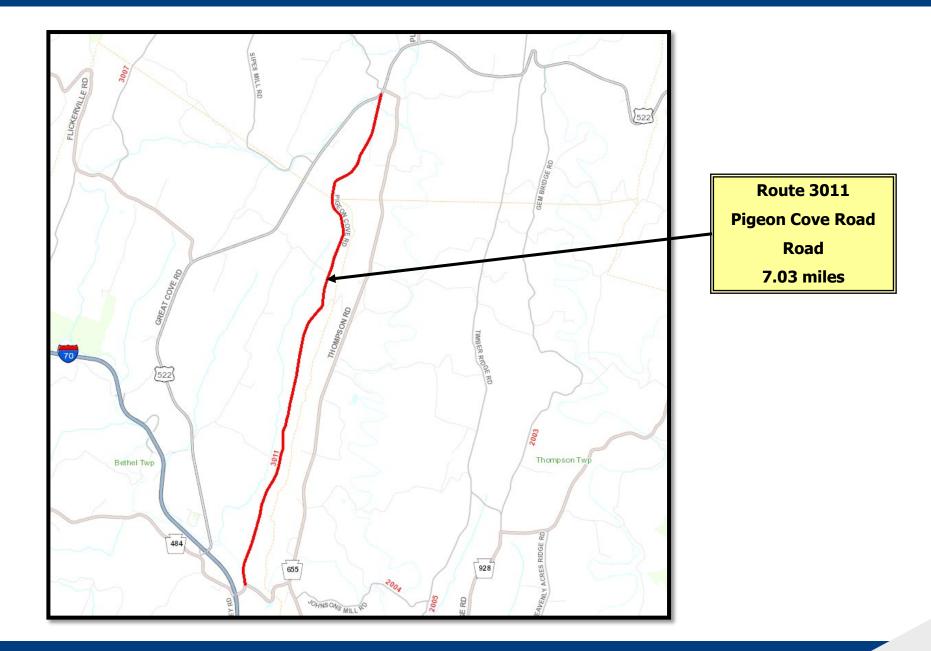




## **2023 DEPARTMENT FORCE SEAL COATING**



## **2023 DEPARTMENT FORCE SEAL COATING**





# **AGILITY AGREEMENTS**

No active work plans are in place at this time





#### **Possible Activities**

- Line Painting
- Salt Brine
- Sign Replacements
- Crack Sealing
- Shoulder Cutting
- Pipe Replacement



# **ADDITIONAL COUNTY ACTIVITIES**

Patching

**Guiderail Repairs and Upgrades** 

Sign Replacements

**Crack Sealing** 

**Shoulder Cutting** 

**Bridge Maintenance** 

Pipe Replacement & Flushing

Mowing



# **MUNICIPAL LIQUID FUELS (MLF)**

### **Municipal Liquid Fuels Allocation – Fulton County**

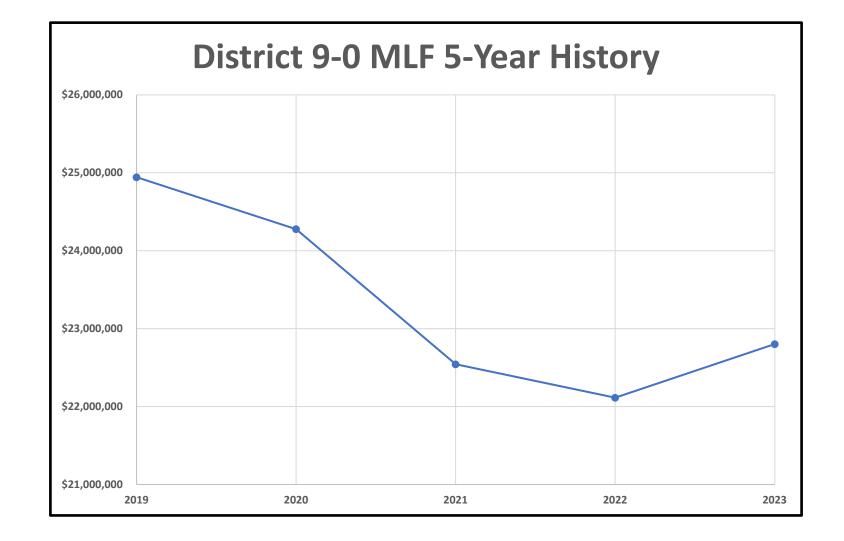
- 2022 = \$1,188,775.04
- 2023 = \$1,225,148.46
- 3% increase in MLF between 2022 and 2023

### **Statewide Municipal Liquid Fuels Allocation**

- 2022 = \$455,884,953
- 2023 = \$470,202,637



# MUNICIPAL LIQUID FUELS (MLF)





# THANK YOU FOR YOUR ATTENTION!



# FULTON COUNTY DESIGN OVERVIEW

VINCE GREENLAND, P.E. ACTING DISTRICT EXECUTIVE



### Appalachian Regional Commission (ARC) Local Access Road (LAR) Program Purpose:

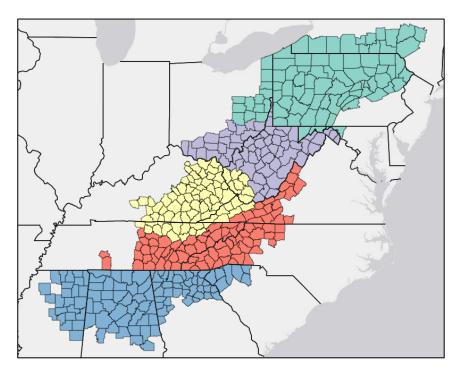
• Federal funding program that links the region's businesses, communities, and residents to the Appalachian Development Highway System as well as to other key parts of the region's transportation network

#### LAR Benefits:

- Offers a flexible approach
- Provides a financing mechanism
- Meets local needs
- Supports economic development
- Links communities, businesses, and residents of the transportation network

#### Eligible LAR Project Types:

- Industrial areas
- Commercial areas
- Residential developments
- Recreational areas
- Educational areas



Appalachian Region 5 Regions, 423 Counties, 13 States PA – 52 Counties



Funds may be used for the following phases:

- Preliminary engineering
- Right-of-way
- Construction (Initial)

However, specific items in the aforementioned phases may or may not be eligible

Funds may not be used on roadways previously built with LAR funds to:

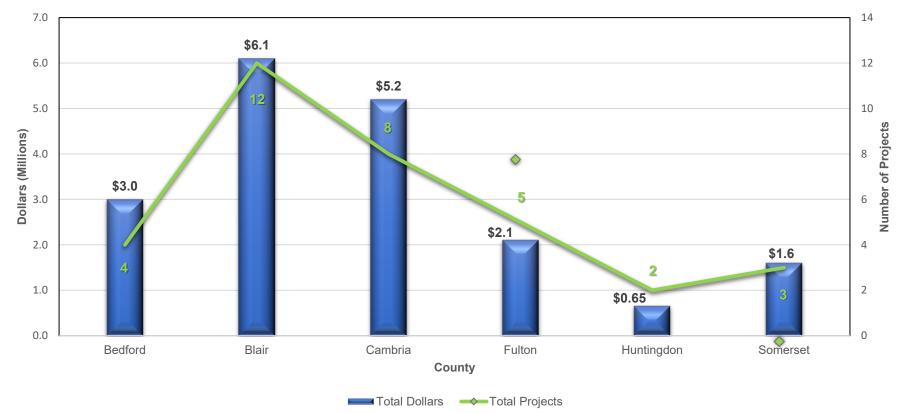
- Resurface
- Rehabilitate
- Upgrade
- Improve Safety

- Eligible sponsors:
  - State/Local agencies and government entities
  - Local governing boards
  - Nonprofit organizations
  - Indian tribes
  - Higher education institutes
- Ineligible Sponsors:
  - Individuals
  - For-profit entities
- There are no match requirements in Pennsylvania
- More Information:

Southern Alleghenies Planning Development Commission (SAP&DC) Mr. Brandon Peters (814) 949-6500

sapdc.org





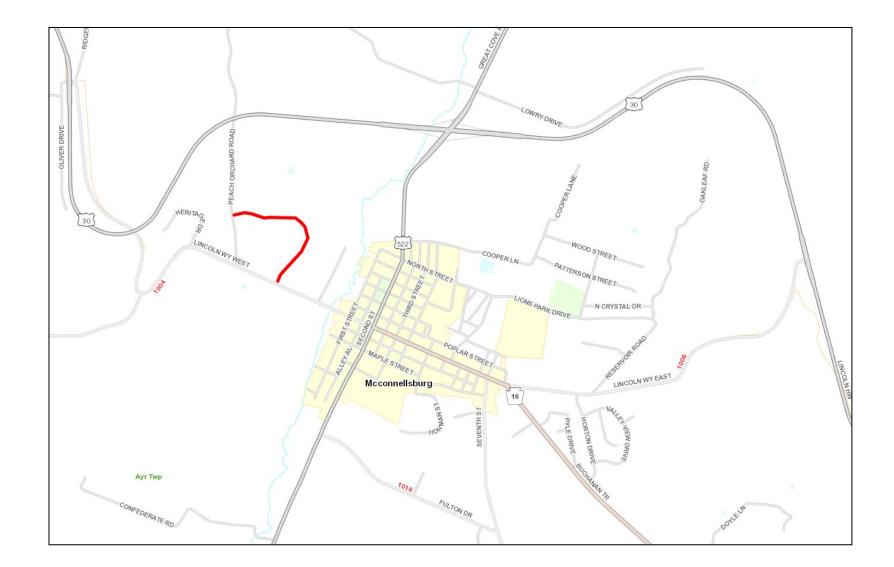
ARC LAR Total Investment 1994-2023

District 9-0 Total Investment: \$18.7 Million on 34 projects

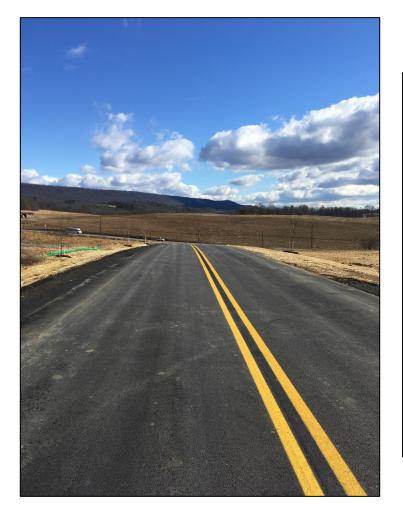




- Scope: Construct new local access and road
- Location: At the intersection of Washabaugh Drive (T-517) and Lincoln Way West (SR 1004) in Todd Township, Fulton County
- Award: \$1,052,673
- **Sponsor:** Todd Township
- Construction Complete: Fall 2018















# **Current Design Projects**







- **Project Type:** Corridor Study
- Location: US 522 (Croghan Pike/Great Cove Road) from PA 35 (Shade Valley Road to the Pennsylvania Turnpike in Dublin Township, Huntingdon and Fulton Counties.
- **Cost Estimate:** \$250,000
- Anticipated Completion Date: 2<sup>nd</sup> Quarter 2023





#### **Evaluate Safety and Congestion/Mobility Improvements:**

- Limits of Work between PA Turnpike and PA 35 Shade Gap
- Project goal is to identify fundable, prioritized list of projects for consideration on future TIPs

#### Timeline

- Study began spring of 2021
- Scope of work discussed with planning organizations
- Cost of study estimated at \$250,000
- 1st Public meeting held June 2021
- Received a draft corridor safety study September 2021
- 2nd public meeting held March 2023
- Final report anticipated Spring 2023

#### **Issues Identified from PennDOT Connects & Planning Organizations**

- Intersection configuration of PA 35, US 522 and PA 641
- Speeding through Shade Gap Elementary School zone
- Horizontal curve alignment at Route 1012 Fort Littleton intersection
- Upgrade lane widths to accommodate freight traffic traveling from the PA Turnpike into Huntingdon County

# Site 1: SR 522 at Pennsylvania Turnpike Intersection







### **Current Concerns**

- Truck Traffic
  - Largest truck percentage in corridor.
- Large number of left turns from SR 522 South onto PA Turnpike
- Intersection visibility
  - Signing visibility
  - Intersection lighting
- Signs of rapid braking (skid marks)

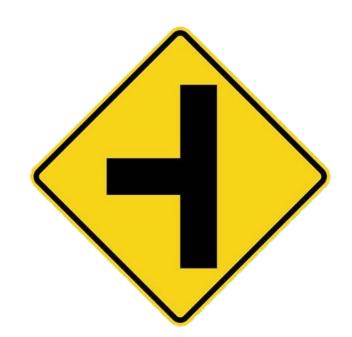






### Possible short-term projects

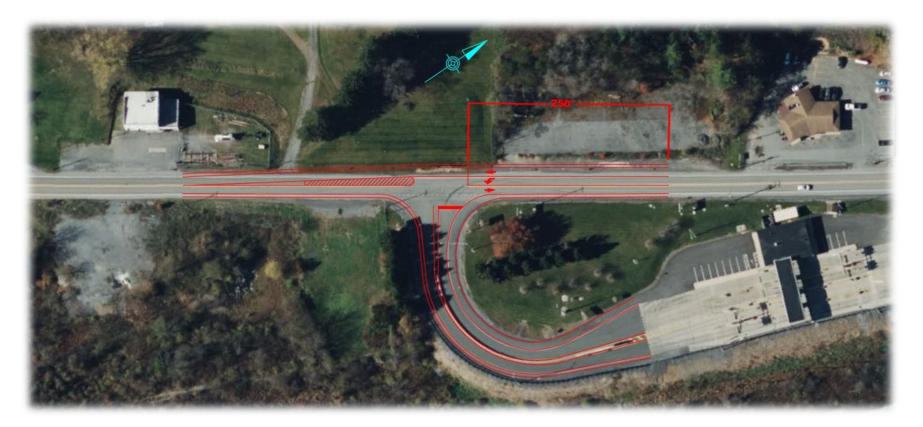
- Adjust sign placement or improve sign visibility signifying intersection
- Add advance intersection signs to improve driver awareness
- Intersection lighting on SR 522 (Lighting exists on the ramp but a light closer to the intersection could improve visibility)





### Long-term project

• Left-turn lane on SB SR 522 to PA Turnpike Toll 76 to reduce queuing.



Estimated Construction Cost: \$1,500,000



# Site 2: Curve North of Pennsylvania Turnpike Intersection

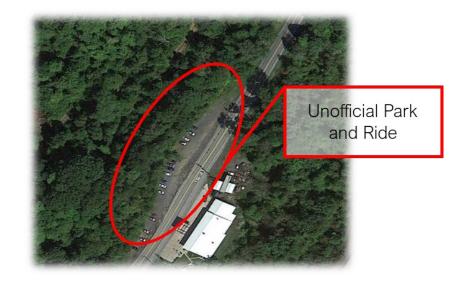






### **Current Concerns**

- Lack of guide rail
- Roadside vegetation
- Roadside hazards
  - Utility pole
  - Inlets
- Unofficial park and ride
  - Concerns with various entry points for vehicles entering the traveled way





### Possible short-term projects

- Tree and shrub trimming to "open up" or allow more daylight into the curve
- Grade adjustments for existing drainage features
- Include signage or pavement markings to warn vehicles of entering or crossing traffic from unofficial park and ride on SR 522
- Increase shoulder width to four feet and add edge line rumble strips





- Mid-term project
  - Reconfiguration of SR 1012 (Plum Hollow Road) to a T-intersection.
    - Would reduce rolling stops and speeding through Fort Littleton
    - Improve turning movements and sight distance at intersection
    - Could be combined with Fort Littleton long-term project



Existing Pavement to be Removed Estimated Construction Cost: \$1,500,000

- Long-term project
  - Remove structure, close portion of T-433 (Brown Road), and improve intersection geometry of SR 1011 (Sinoquipe Road)
    - Improve sight distance and turning movements at intersection
    - Better define intersection to reduce confusion of SR 1011
    - Could be combined with Fort Littleton mid-term project





Existing Pavement to be Removed Estimated Construction Cost: \$1,750,000

## Site 4: Standing Stone Curves and Trail



- - Standing Stone Trail



Potential for Safety Benefit (PSB) = 0.34



- Mid-term project
  - Improve SR 522 left shoulder to accommodate pedestrians and to develop a crosswalk at the Sheepskin Hollow Road intersection.
    - Stream impact studies would be needed to determine the feasibility of wider shoulder



Estimated Construction Cost: \$750,000



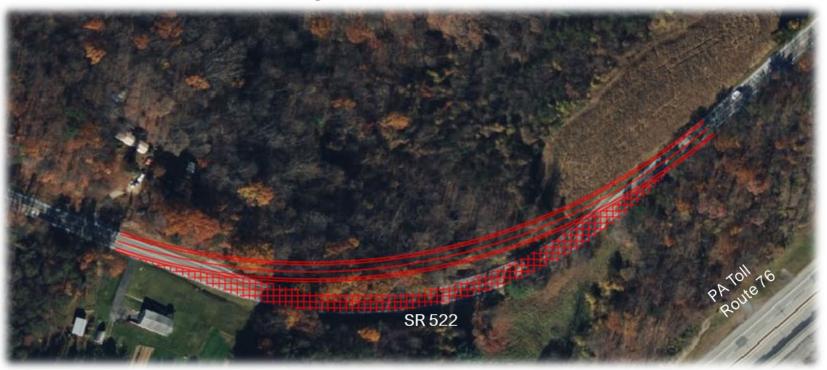
#### Site 5: Curve North of Ninemile Run Crossing







- Long-term project
  - Reconstruct SR 522 to flatten the existing geometry and improve superelevation through the curve



Existing Pavement to be Removed

Estimated Construction Cost: \$2,000,000



## Site 6: Burnt Cabins







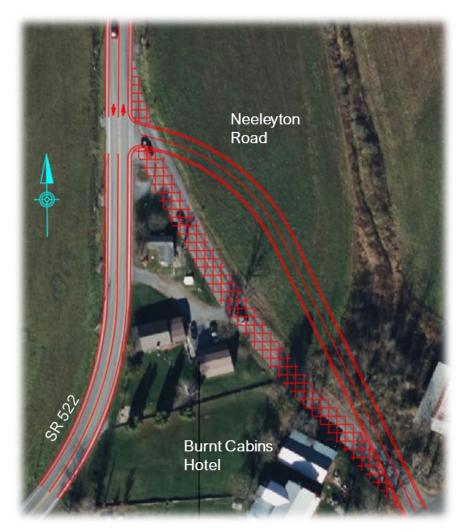
- Mid-term project
  - Realign SR 1010 (Grist Mill Road) to improve turning movements, increase sight distance, and reduce speed onto SR 1010 (Grist Mill Road)



Existing Pavement to be Removed

Estimated Construction Cost: \$1,500,000

- Long-term project
- Relocate SR 1009 (Neelyton Road) to improve turning movements and increase sight distance
  - Connect existing drives to **Neelyton Road**





Existing Pavement to be Removed

Estimated Construction Cost: \$1,750,000

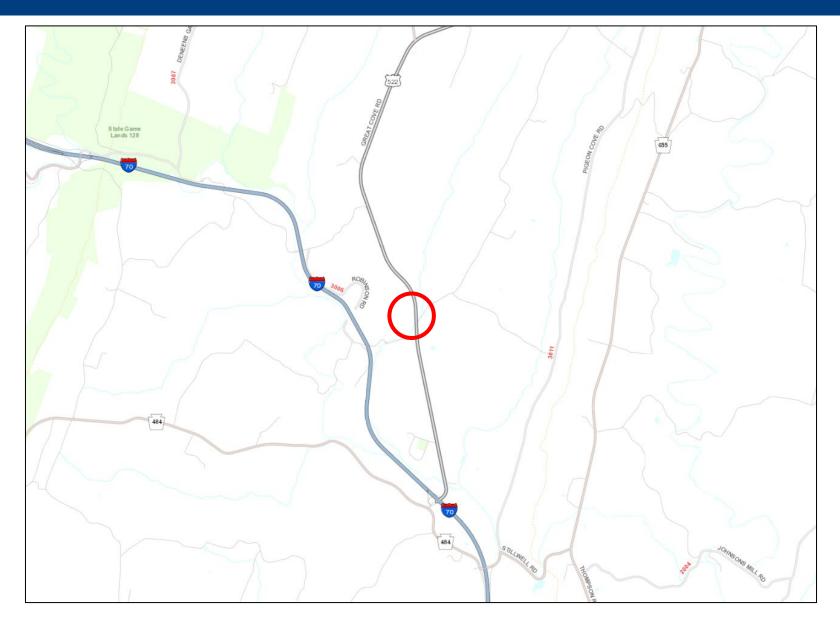


#### **US 522 WHITE OAK RUN**



- Project Type: Bridge Replacement w/ T-328 (Bethel Church Rd) & US 522 Intersection Improvements
- Location: US 522 over White Oak Run near the intersection of T-328 (Bethel Church Road) in Bethel Township
- **Construction Estimate:** \$1.0 \$5.0 Million
- Anticipated Bid Opening: 4<sup>th</sup> Quarter 2023

# **US 522 WHITE OAK RUN BRIDGE**



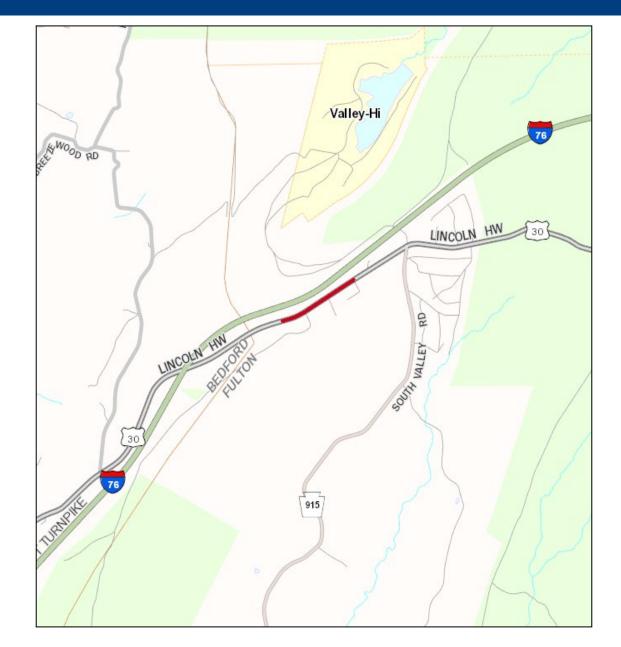


#### **US 30 TRUCK STUDY TURNAROUND**



- **Project Type:** Safety improvement
- Location: US 30 (Lincoln Highway) near the intersection of Thunder Rock Rock Road in Brush Creek Township
- **Construction Estimate:** Less than \$1.0 Million
- Anticipated Bid Opening: 1<sup>st</sup> Quarter 2025

## **US 30 TRUCK TURNAROUND**





# **US 30 TRUCK TURNAROUND**





# SOUTHERN ALLEGHENIES PLANNING AND DEVELOPMENT COMMISSION



# 2023 Training Courses

- Asphalt Roads Common Maintenance Problems
  - April 26<sup>th</sup>- 8:00AM to 12:00 PM
    Everett Borough Municipal Building
    100 Mechanic Street, Everett, PA 15537
- Seal Coat
  - **June 8<sup>th</sup>-** 8:00AM to 12:00PM SAP&DC Office 3 Sheraton Drive, Altoona, PA 16601
- Public Works Safety
  - **June 22<sup>nd</sup>-** 8:00AM to 12:00PM Logan Township Municipal Building 100 Chief Logan Circle, Altoona, PA 16602
- Principle of Paving
  - July 13<sup>th</sup>- 8:00AM to 3:00PM
    Conemaugh Township Municipal Building
    1120 Tire Hill Road, Johnstown, PA 15905





- Unpaved & Gravel Roads Common Maintenance Practices
  - September 11<sup>th</sup>- 8:00AM to 12:00PM
  - Warriors Mark-Franklin Vol. Fire Company
  - 4571 Fire House Lane, Warriors Mark, PA 16877
- Public Works Safety
  - September 26<sup>th</sup>- 8:30AM to 12:30PM Penn Highlands Community College 881 Hills Plaza, Ebensburg, PA 15931 Winter Maintenance Planning
    - October 12<sup>th</sup>- 8:00AM to 12:00PM
    - SAP&DC Office
    - 3 Sheraton Drive, Altoona, PA 16601

# LTAP Technical Assistance

- LTAP provides free tech assists to municipalities to trouble shoot specific roadway issues.
- PennDOT LTAP technical experts are available by phone, by e-mail, and in person to help you troubleshoot your specific maintenance and safety problems.
  - Highway Safety:
    - Guiderails/Roadside safety.
    - Speed control, stop signs, and traffic calming.
    - Traffic studies.
    - Signs.
    - Pedestrian safety
  - Infrastructure Management:
    - Pavement management.
    - Drainage
    - Winter management.
    - Posting and bonding.
    - Bridge and culvert.

County	# of Tech Assists	Hours Spent	Average Hours
Bedford	2	20	10
Blair	13	109	8.38
Cambria	5	27	5.4
Fulton	1	1	1
Huntingdon	4	25	6.25
Somerset	10	49	4.9
Total	35	231	6.6

# Registering for LTAP

				A Home	LTAP Tools 🚽	🕤 Help	Sign In 🖕
TAP Tools	User Account						* = Required Value
A Home	First Name: *				dle Initial:		
III Current Courses	First Name.			IVIIG			
Course Info	Last Name: *				Suffix:		
A Roads Scholar Program	Address: *						
Create Account	Address 2						
o News Items	Address2:						
Public Resources and Documents	City: *						
About LTAP	State: *				Zip: *		
	Job Title:						
	Company:						
	Company.						
	County:	ADAMS, PA	*	Phone: *			
	Municipality: *	(23) - ABBOTTSTOWN BORO [ABBOTTSTOWN (ADAMS COUNTY)]					)
	Mobile:			Fax:			
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		address					
	Re-enter Email: *	xx@xx.xxx					
	UserName: *		Mother's Maide	n Name: *			
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For any help creating an account or registering contact me: Email: mbjorkman@sapdc.org Phone: (814) 949-6553

# **THANK YOU!**

