

PennDOT District 11



Beaver County Community Outreach

April 11, 2019

Agenda

- Budget Update & District Overview
- Customer Service & Roadside Beautification
- 2019 County Maintenance Activities
- Traffic Engineering & Operations Unit
- 2019 Construction Projects
- 2019-2021 Projects in Design & P3 Bridges Update
- PennDOT Connects
- Liquid Fuels Distributions

District 11-0 Engineering Office



Cheryl Moon-Sirianni, P.E.
District Executive
412-429-5001

District 11



PennDOT District 11-0

	Allegheny	Beaver	Lawrence	Totals
Miles of Roadway	1,484	668	417	2,569
Bridges	1,182	338	277	1,797
Tunnels	4	0	0	4
Stockpiles	16	9	6	31
Snow Lane Miles	3668	1,436	911	6,015
Winter Agreements Miles	1533	172	109	1,814

PennDOT District 11-0 Budget

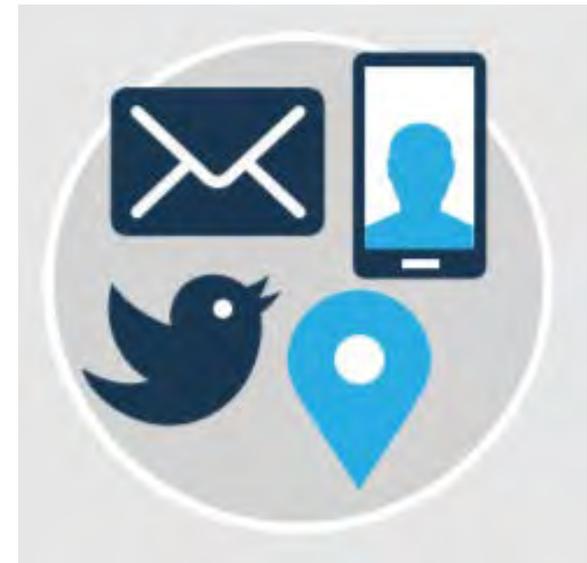
- Budget **\$518 Million** (SFY 18-19)
 - \$211 Million State funds
 - \$307 Million Federal funds
- Budget Breakdown
 - \$132 Million Maintenance
 - \$27 Million Maintenance (Expanded)
 - \$242 Million Capital Highway
 - \$75 Million Capital Bridge
 - \$42 Million Local

Beaver County Maintenance - **\$16.8 Million**

District Office Maintenance - **\$7.4 Million**

Our Strategic Themes

- Open, Proactive Communications
- Sustainable Policy-Based Investments & Infrastructure Investments
- Safety at all levels
- Innovative, Smart and Diverse Organization
- Effective Partnerships



2018 In Review

- 176 projects for construction payouts totaling **\$319.8M**
- Let a total of **8 Group Projects in 2018**: 5 in Allegheny County (including 1 Longitudinal Joint Repair), 1 in Beaver County, and 2 in Lawrence County (including 1 Longitudinal Joint Repair)
- 53 projects finalized

2018 In Review

- **Highlights:**

- Liberty Bridge
- SR 376 Southern Expressway
- SR 28
- SR 376 Emergency Paving and Dam Contract
- Forbes Avenue
- SR 837
- SR 488 Bridge
- Vanport Bridge
- SR 30

ACCOMPLISHMENTS

ACT 89



Road & Bridge Progress >>

Statewide	Total Projects		Total Cost
	9522		\$34,281,883,528
+ Completed	2760	29%	\$6,190,968,393
+ Underway	745	8%	\$6,081,893,155
+ Four Year	1767	19%	\$13,250,484,342
+ Twelve Year	2584	27%	\$4,565,946,765
+ Under Development	1111	12%	\$4,192,590,873
+ Rapid Bridge Replacement	555	5%	

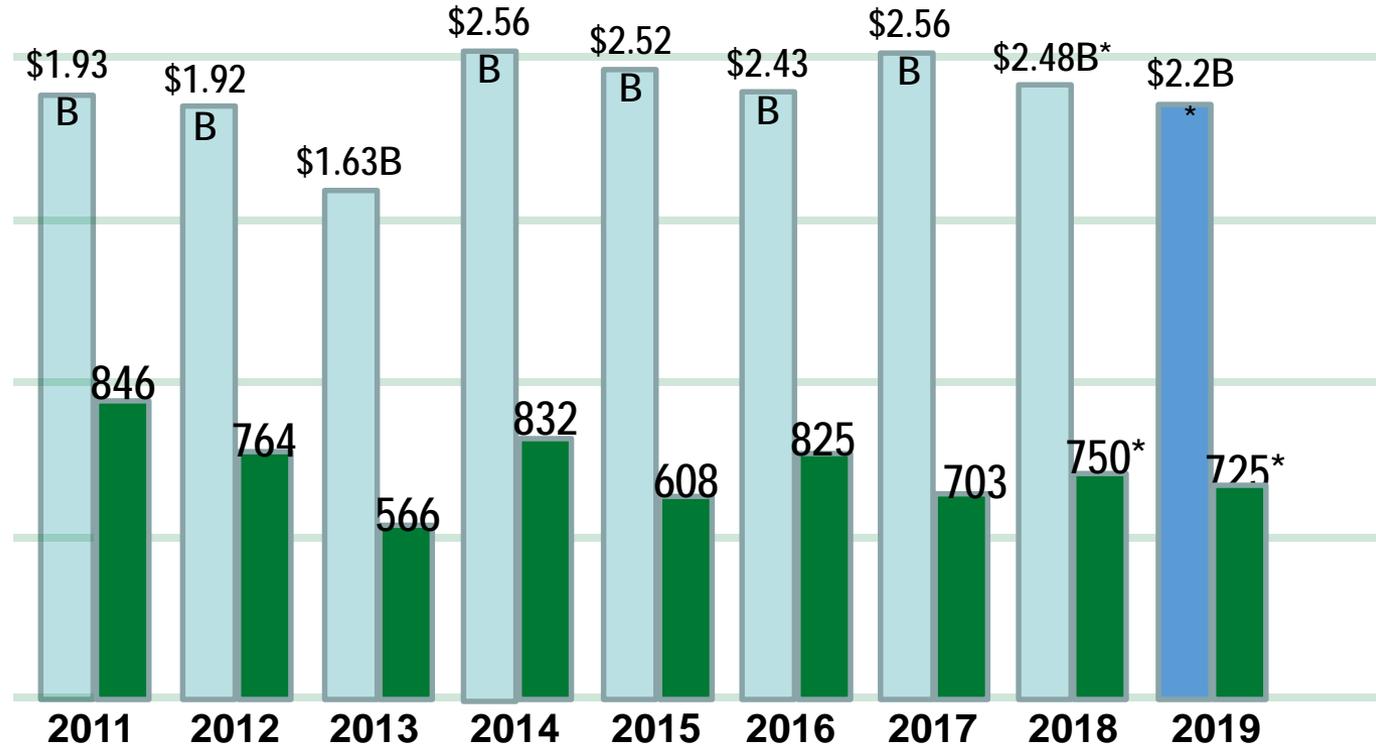
www.projects.penndot.gov

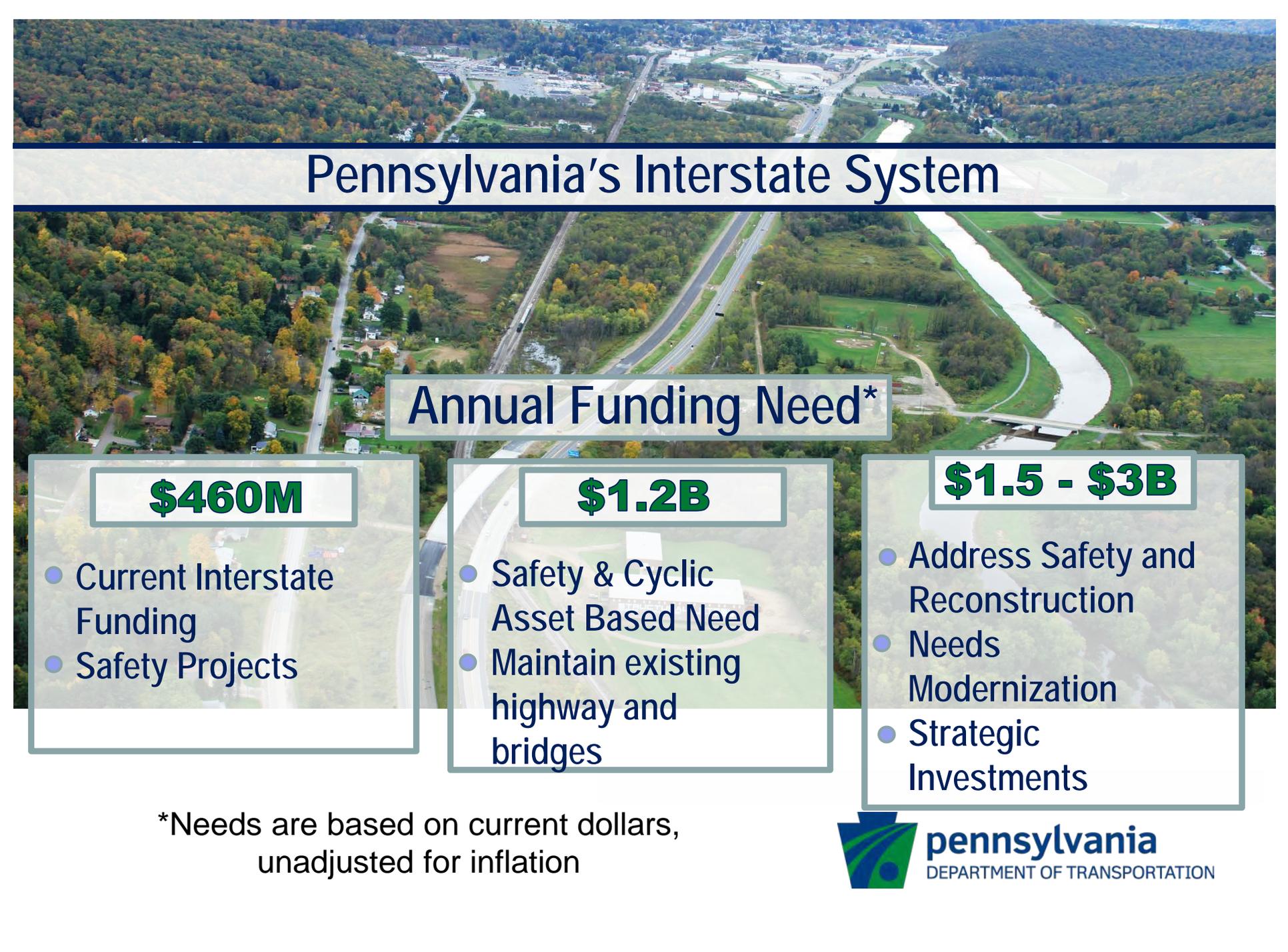


pennsylvania
DEPARTMENT OF TRANSPORTATION

PROJECT LETTING TRENDS

■ Dollars: Billions
■ # of Projects
* Projected





Pennsylvania's Interstate System

Annual Funding Need*

\$460M

- Current Interstate Funding
- Safety Projects

\$1.2B

- Safety & Cyclic Asset Based Need
- Maintain existing highway and bridges

\$1.5 - \$3B

- Address Safety and Reconstruction
- Needs Modernization
- Strategic Investments

*Needs are based on current dollars, unadjusted for inflation

Pennsylvania's National Highway System (non interstate)

Annual Funding Need*

\$742M

- Current NHS Funding
- Safety Projects

\$2.2B

- Safety & Cyclic Asset Based Need
- Maintain existing highway and bridges

\$2.5B

- Strategic Investments
- Safety Projects

*Needs are based on current dollars, unadjusted for inflation

District 11 Road and Bridge Needs

Unfunded Roads and Bridges Needs over next 4 Years (2019-2022)

Interstate		NHS		ADT>2000		ADT<2000		Totals	
Miles	Dollars	Miles	Dollars	Miles	Dollars	Miles	Dollars	Miles	Dollars
222	\$235,536,000	702	\$54,949,105	900	\$68,975,795	740	\$58,924,790	2564	\$418,385,690
Bridges	Dollars	Bridges	Dollars	Bridges	Dollars	Bridges	Dollars	Bridges	Dollars
62	\$197,015,000	33	\$220,412,628	30	\$48,773,115	28	\$29,326,855	153	\$495,527,598



**Deck area of unfunded bridges is 28% of our total NHS deck area. (4.6% of state's total NHS deck area)



Interstate (Roadway and Bridge) Project Costs

TIP Cycle	Project Costs	Maintenance Costs	Total
2019	\$432,551,000	\$10,000,000	\$442,551,000
2023	\$650,000,000	\$30,000,000	\$680,000,000

20/20 Strategic Directives

Top 3 Challenges for 2019 Goal Statements

Recruitment and Retention Strategies

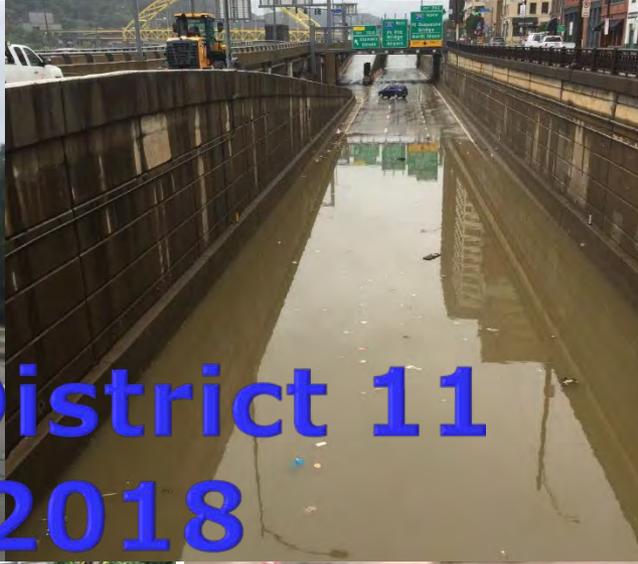
To establish an effective and stable workforce, PennDOT must create a strategy to strengthen our recruitment of new employees (especially in certain job classifications) and focus on methods to retain our current workforce.

Resiliency

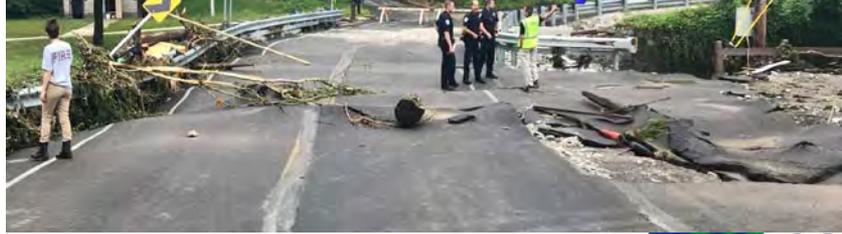
The effects of unforeseen hazardous events and natural disasters on the state transportation system can have significant impact on Pennsylvania communities, budgets, and the commonwealth's overall economy.

The Future Role of PennDOT in Energy and Environmental Issues

Advancing low-carbon transportation solutions in order to avoid dangerous impacts to public health, infrastructure, and the environment.



A Day in the life of District 11 September 10, 2018



▶ Flooding Events of July 2, 2018 & Sept. 10, 2018

Summary of Costs Associated with Events on 7/2 and 9/10		
Department Force		
Various Cleanup Efforts		\$ 65,000
Bathtub - DF		\$ 70,000
Bathtub - Contractor		\$ 80,000
Geotech Contractor		
Glass Run Road	Wall Failure Repair	\$ 55,000
Peoples/Babcock Road	Repair	\$ 180,000
Peoples/Babcock Road	Culvert Replacement	\$ 5,000,000
Stewart Avenue/SR 51	Culvert Replacement	\$ 900,000
SR 51	Erosion Repair	\$ 10,000
Banksville Interchange	Landslide Repair	\$ 35,000
SR 48 Mosside Boulevard	Landslide Repair	\$ 100,000
SR 30 - Beaver County	Landslide Repair	\$ 25,000
Additional Damages		
SR 4011 Achortown Road	Landslide	\$ 1,000,000
	Total	\$ 7,460,000

It costs District 11 approximately \$150,000 in just clean-up costs (Department force & Contractors) each time the Bathtub floods

Landslide Status and Funding Needs

- District 11 gets roughly 30 – 40 significant new slides per year
- 75% of slides are drainage related
- Repair about 20 slides per year
- Current slide funding = \$6M/year
- Funding only keeps the number of active sites at 80-90
- Currently have 93 slides
- Projected Current Need = **\$64.3M**

District Challenges - Landslides



District 11-0 Engineering Office

Joel Morris
Community Relations Coordinator
412-429-5011



Customer Service

The screenshot shows the PennDOT Customer Care Center website. At the top left is the Pennsylvania Department of Transportation logo. The page title is "Customer Care Center" and there is a "Home" button in the top right. The main content area features a welcome message: "Welcome to the PennDOT Customer Care Center". Below this is a grey box with an information icon and text: "Submissions are not monitored outside of normal business hours, which are Monday - Friday, 8 a.m. to 4:30 p.m. For life-threatening emergencies, call 9-1-1. For urgent issues, call the associated [PennDOT County Office](#)." There are two main sections: "New Concerns" with a "Submit New Concern" button, and "Existing Concerns" with a "Reference Number" input field and a "Search" button.

<https://customercare.penndot.gov/>

1-800-FIX-ROAD

Roadside Beautification



Adopt-A-Highway

<https://adoptahighway.penndot.gov/>

Adopt and Beautify

<https://www.penndot.gov/about-us/RoadsideBeautification/Pages/Adopt-and-Beautify.aspx>

Sponsor-A-Highway

<https://pennsylvania-sponsor-a-highway.com/>

Great American Cleanup of PA

(March 1 – May 31st)

<http://www.keppabeautiful.org/>

Maintenance Division

Angelo Pampena
Assistant District Executive
412-429-5002



Drainage

- **Cities and Boroughs** – PennDOT Maintenance responsibility is the area within curblines and includes inlet grates in roadway surface between curblines, **excludes** inlets below grates and crosspipes unless PennDOT has assumed maintenance responsibility by agreement.
- **Townships** –Typically PennDOT Maintenance responsibility is the entire area within right-of-way lines. Includes inlets and crosspipes, excludes storm and sanitary sewers, excludes curbing and sidewalks.

Agility

Agility Agreement

MS-1 (6-13)

 **AGILITY AGREEMENT**

Effective Date: _____ Agreement Number: _____
(Department will insert) Federal ID Number: _____

AGILITY AGREEMENT
(Attachments A, B, C and D)

1) THIS AGREEMENT is made and entered into by and between the Commonwealth of Pennsylvania, acting through the Department of Transportation, ("DEPARTMENT") and the following public procurement unit(s) as defined in the Commonwealth Procurement Code, 62 Pa. C.S. § 101, et seq., ("PARTNER(S)").

Partner: _____ Federal ID Number: _____
City: _____ County: _____

2) NOW, THEREFORE, in accordance with the Terms and Conditions of Attachment A, attached to and made a part of this Agreement, the parties, with the intention of being legally bound, agree to perform those activities to be set forth in the Agility Work Plan which, upon completion by the parties, will be attached to and made a part of this Agreement.

a. Attachment B, which lists the services that may be performed by the parties, is made a part of this Agreement.

b. Modifications to the services to be performed as identified in the Agility Work Plan may be made at any time in writing during the term of this Agreement or the renewal period described in Paragraph 3.

3) This Agreement shall be effective for an initial five- (5-) year period, beginning on the date noted in the upper left hand corner, unless terminated sooner for either cause or convenience upon thirty (30) days' written notice by either party to the other, at which time all obligations shall cease; provided, further, that termination for convenience shall be subject to reconciliation of outstanding balances.

4) By renewal letter, not requiring approval by either the Office of Chief Counsel or Office of Comptroller Operations, the parties can extend the Agreement for one three- (3-) year term beyond the initial five- (5-) year term. The three- (3-) year renewal period shall begin on the termination date of the initial term. The three- (3-) year renewal period shall similarly be subject to termination for either cause or convenience upon thirty (30) days' written notice by either party to the other, at which time all obligations shall cease; and, as during the initial period, termination for convenience shall be subject to reconciliation of outstanding balances. The PARTNER shall return the letter, signed by its duly authorized agent and accompanied by a resolution authorizing the agent to sign on the PARTNER's behalf, to the DEPARTMENT's appropriate county agility coordinator at least sixty (60) days before the end of the initial term. A sample renewal letter is attached to and made a part of this Agreement as Attachment C. In any event, this Agreement shall not be effective after eight (8) years from the date noted in the upper left-hand corner.

5) The Pennsylvania Right-to-Know Law, 65 PS. §§ 67-101-3104, applies to this Agreement. Therefore, the Agreement is subject to, and the PARTNER shall comply with the clause entitled, Contact Provisions – Right to Know Law 8-K-1532, attached as Attachment D and made a part of this Agreement. As used in this Agreement, the term "Contractor" refers to the PARTNER.

1

- Effective for 5 years
- Requires board to pass a resolution
- Outlines potential exchange terms
- Does not lock you into performing anything
- Signed by PennDOT and partner

Agility

MS-2 (11-17)



AGILITY WORK PLAN

Agility Work Plan Number/Letter: _____ Agility Agreement: _____

Partner Name: _____

Agility Agreement Expiration Date: _____

Agility Agreement Renewal Letter Expiration Date: _____

WBS Element: _____ County: (Select One) _____

PARTNER COMPLETES	Services/Resources Received from the Partner	Planned Production Units	Unit	Unit Price	Total	Estimated Date of Completion	Completion Date Initials/Date Work Approved
					\$0.00		
					\$0.00		
					\$0.00		
					\$0.00		
					\$0.00		
					\$0.00		
	TOTALS:				\$0.00		

PennDOT COMPLETES	Services/Resources Received from PennDOT	Planned Production Units	Unit	Unit Price	Total	Estimated Date of Completion	Completion Date Initials/Date Work Approved
					\$0.00		
					\$0.00		
					\$0.00		
					\$0.00		
					\$0.00		
					\$0.00		
	TOTALS:				\$0.00		

Accepting:

Signature, PennDOT _____ Title _____ Date _____

Signature, Partner _____ Title _____ Date _____

Signature, APSCME _____ Title _____ Date _____

Signature, Partner's Union _____ Title _____ Date _____

Use the reverse side of this Agility Work Plan to document the scope of work for the services listed above. If necessary to amend the Work Plan, all parties must sign off on changes.

Agility Work Plan

- List of services being exchanged and the scope of work
- Signed by PennDOT, partner, and workers' collective bargaining units (if applicable)
- Can include attachments to lay out the work in further detail



Beaver County Maintenance

Michael Simmons, P.E.

Beaver County Maintenance Manager

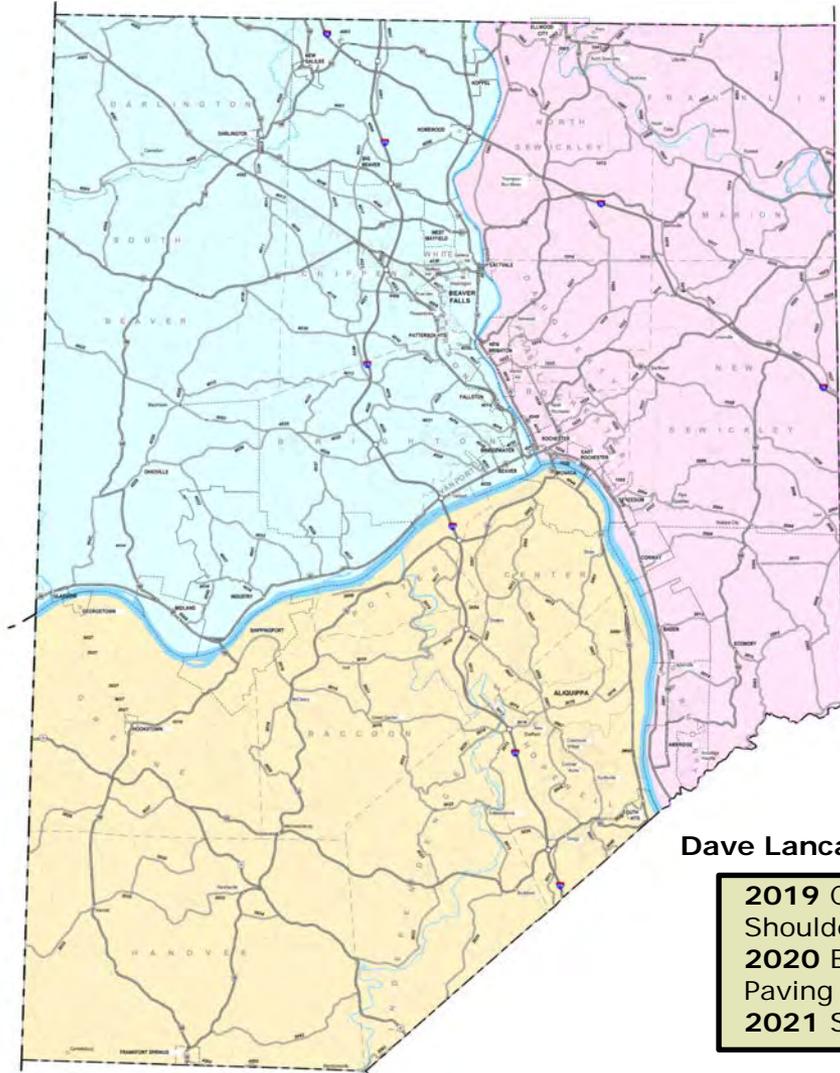
724-774-6610



2019 Beaver County Cycle Maintenance Activities

Michele Yeager Maintenance Section

2019 Base repair, Edge Leveling, Paving
2020 Sealcoat
2021 Cross pipes, Underdrain, Shoulder cutting, Side dozing



George Parks Maintenance Section

2019 Sealcoat
2020 Cross pipes, Underdrain, Shoulder cutting, Side dozing
2021 Base repair, Edge Leveling, Paving

Dave Lancaster Maintenance Section

2019 Cross pipes, Underdrain, Shoulder cutting, Side dozing
2020 Base repair, Edge Leveling, Paving
2021 Sealcoat

2019 Shoulder Cutting Routes

Aliquippa Section Shoulder Cutting

State Route	Road Name	Mileage
3001	Monaca Road	8.6
3007	Brodhead Road	1.1
3009	Kane Road	6.4
3011	Gringo Clinton	3.4
3012	Center Grange	5.5
3013	Independence Road	11.5
3014	Golf Course Road	2.7
3015	Bunker Hill Road	3.1
3016	Franklin Avenue	2.3
3020	Service Creek	6.3

State Route	Road Name	Mileage
3002	Clearview Road	8.5
3036	Gringo Independence	3.7
3038	Heights Road	2.9
3040	Bocktown Road	0.8
8003	Aliquippa Interchange	2.8
8005	Center Interchange	1.6
9101	Indep./Bocktown Ramp	0.1
9102	Pleasant/Broadhead Ramp	0.2
	Total Mileage:	71.5

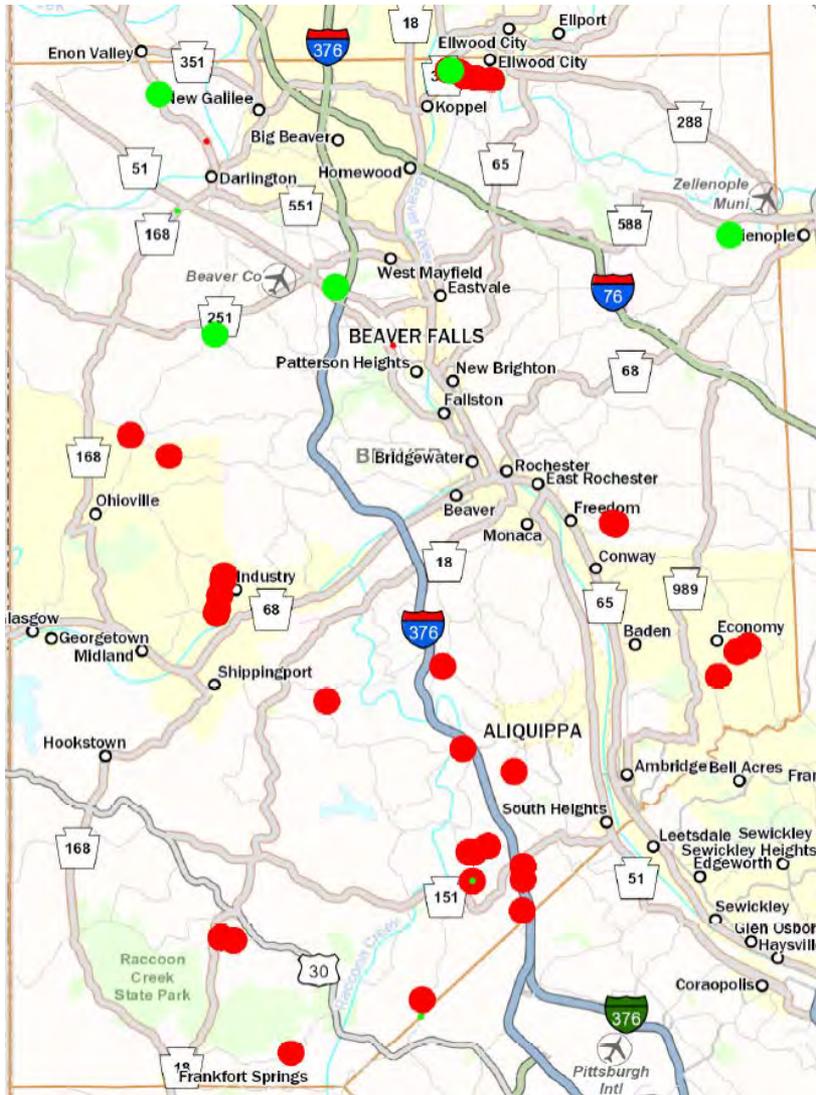
2019 Shoulder Cutting Routes

Chippewa Section Shoulder Cutting

State Route	Road Name	Mileage
18	Big Beaver Boulevard	2.6
51	Constitution Boulevard	12.4
68	Midland Road	17.6
168	Salem Church/Centennial	34.8
251	Blackhawk Road	11.5
551	Wallace Run Road	18.0
4002	Anderson Road	8.5
4003	Kenforest Drive	0.6
4006	Friendship Road	6.4
4008	Braun Road	4.6
4010	Achortown Road	9.0
4012	Brady's Run Road	14.6
4014	Cove Hill Road	0.3

State Route	Road Name	Mileage
4015	McKinley Road	3.0
4016	Beaner Hollow Road	2.8
4018	Dutch Ridge Road	8.0
4019	Park Road	10.3
4022	Lisbon Road	13.8
4023	Braden School Road	1.0
4025	Braden School Road	0.5
4029	Ridgemont Drive	5.0
4040	Thirty Seventh Street Ext.	5.8
4041	Paradise Road	2.5
9401	Brady's Run Jughandle	0.2
	Total Mileage:	196.2

2019 Drainage Routes



2019 Drainage Routes

State Route	Road Name	Linear Feet
989	Ridge Road Ext.	60
1002	Cherryhill Road	310
1008	Hoening Road	140
1011	Ninth Street	80
3009	Raccoon Creek Road	30
3011	Independence Road	120
3015	Bunker Hill Road	40
3021	Patterson Road	40
3025	Bocktown Cork Road	60
3034	Century Farm Road	80
3036	Gringo Independence	120
168	Salem Church Road	360
351	Fairlane Boulevard	75

State Route	Road Name	Linear Feet
3036	Gringo Independence	120
168	Salem Church Road	360
351	Fairlane Boulevard	75
551	Hollow Road	400
588	Briarcliff Road	20
4008	Eighth Street	50
4022	Lisbon Road	80
4041	Paradise Road	280
	Total Linear Feet:	2900

2019 Crack Sealing Routes – Dept. Force

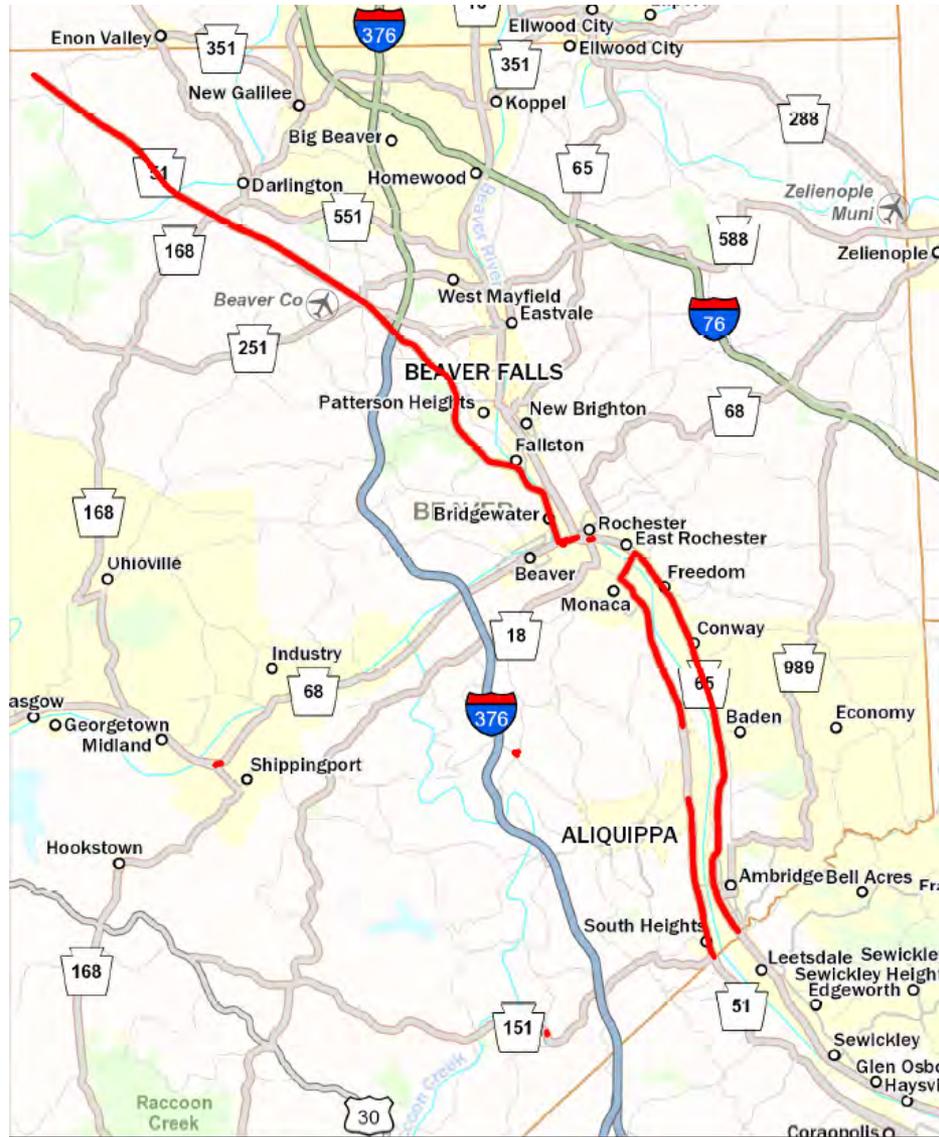


2019 Crack Sealing Routes – Dept. Force

State Route	Road Name	Mileage
18	Main Street	13.6
18	Frankfort Road	9.5
30	Lincoln Highway	27.0
588	Steffin Hill Road	23.2
989	Eighth Street	5.4
1028	Big Knob Road	6.7
1030	Rochester Road	4.9

State Route	Road Name	Mileage
1061	Massachusetts Avenue	0.4
2001	Phillips Street	7.2
2005	Conway Walrose Road	9.8
2008	Conway Walrose Road	6.0
2018	Ninth Street	0.2
3027	Pine Street	0.3
	Total Dept. Mileage:	114.2

2019 Crack Sealing Routes – Contract



2019 Crack Sealing Routes – Contract

State Route	Road Name	Mileage
51	Constitution Boulevard	68.0
51	Pennsylvania Avenue	14.5
65	Ohio River Boulevard	35.2
9101	Bocktown/Independence Ramp	0.1
9102	Brodhead/Pleasant Ramps	0.1
8023	SR 51/Aliquippa Ambridge Ramp	0.4
8004	Shippingport Bridge Ramps	0.5
8039	Bridgewater Ramps	0.6
	Total Contract Mileage:	119.4

2019 Seal Coat Routes



2019 Seal Coat Routes

State Route	Road Name	Mileage
288	Zelienople Road	1.3
989	River Road Ext.	4.9
1001	River Road	4.9
1003	Brighton Road	2.5
1005	Chapel Drive	2.2
1006	Mercer Road	1.8
1008	Shadyrest Road	5.1
1009	Old Furnace Road	4.2
1010	Lake Road	0.4
1011	North Camp Run	2.2
1012	Harpers Ferry Road	2.8
1013	North Tower Road	1.1
1014	Wises Grove Road	3.1
1015	Hartzell School Road	3.8

State Route	Road Name	Mileage
1017	Ridge Road	2.0
1019	Brush Creek Road	3.5
1021	Pine Run Road	2.0
1022	Sunflower Road	1.8
1024	Deer Lane Ext.	2.9
1031	Block House Run	2.4
1033	Tulip Drive	1.2
1066	Chapel/Riverview	1.8
2004	Freedom Crider Road	1.9
2006	Lovi Road	3.0
2018	Ninth Street Ext.	1.6
Total Sealcoat Mileage:		64.4

2019 Beaver Base Repair Group Project



2019 Beaver Base Repair Group Project

State Route	Road Name	Tonnage
251	Blackhawk Road	660
3013	Independence Road	800
3020	Service Creek Road	400
3022	Clearview/Tank Farm Road	400
4006	Friendship/Shenango Road	1050
4010	Achortown Road	1940
4017	Shenango Road	1945
4022	Lisbon Road	3060
4029	Ridgemont Road	6800
4041	Paradise Road	1695
	Total Tonnage:	18750

2019 Beaver County Maintenance Summary

Planned Work Includes:

Sealcoat	284,000 gals. (64.4 miles)
Shoulder Cutting	196 miles
Base Repair	18,750 tons
Crack sealing	234 miles
Pipe	2,900 feet
Bridge Washing	205 bridges

2018 Paint the Plow Contest

- Three Beaver County high schools participated in the District's "Paint the Plow" contest and competed against three Lawrence County Schools.
- The six competing schools were asked to paint the plows based on the winter safety theme, "When it's Zero Be a Hero"
- The judging categories:
 - The Judges' Pick category was decided by a panel of judges, constructed of PennDOT supervisors and community leaders.
 - The Facebook Fan Favorite category consisted of posting the photos of each plow on the PennDOT Facebook page, and allowing the public to "vote". The school with the most "Likes" on their photo won.
- The program built great morale among employees and the communities we serve.

Paint the Plow

Facebook Fan
Favorite
Winner



Judges' Pick
Winner



Beaver County Contact Information

County Office Number 724-774-6610

Michael Simmons, P.E.

County Maintenance Manager

George Parks - Rochester Section

Assistant County Maintenance Manager

Michele Yeager – Chippewa Section

Assistant County Maintenance Manager

Dave Lancaster – Aliquippa Section

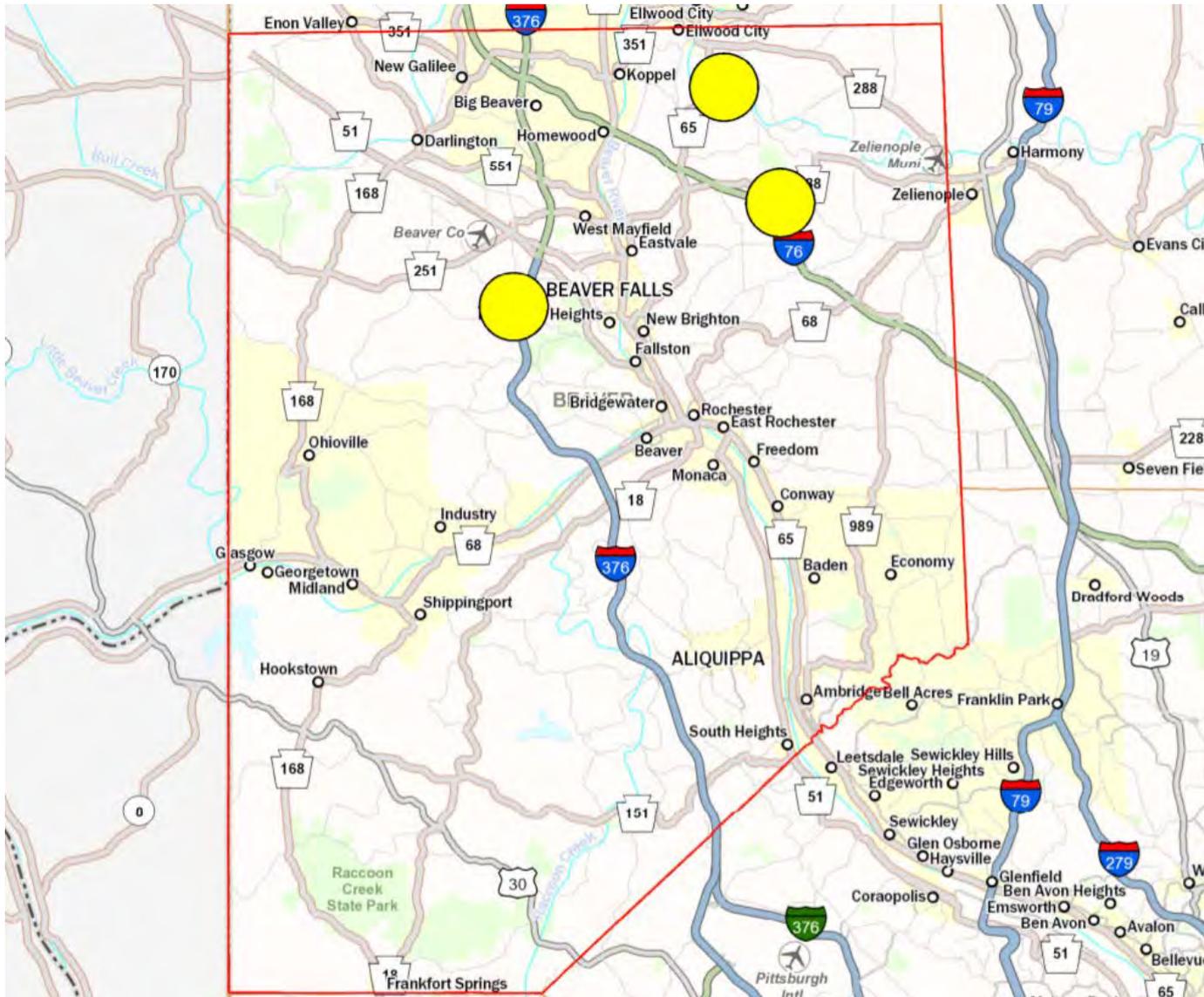
Assistant County Maintenance Manager

Bridge Maintenance Crews

Michael Adams, P.E.
Maintenance Operations Engineer
412-429-3813



2019-2020 Bridge Work Locations



Bridge Work Planned Sites

- **North Sewickley/Marion Township** – Concord Church Road (SR588) over Barris Creek
 - Wingwall Replacement and Fascia Work
 - Long-term Single Lane Restriction
- **Chippewa Township** – Shenango Road (SR4021) over North Branch of Brady's Run
 - Pipe Replacement
 - Short-term Closure

Bridge Work Planned Sites

North Sewickley Twp.

Chapel Road (SR1005) over
Branch of Conoquenensing
Creek

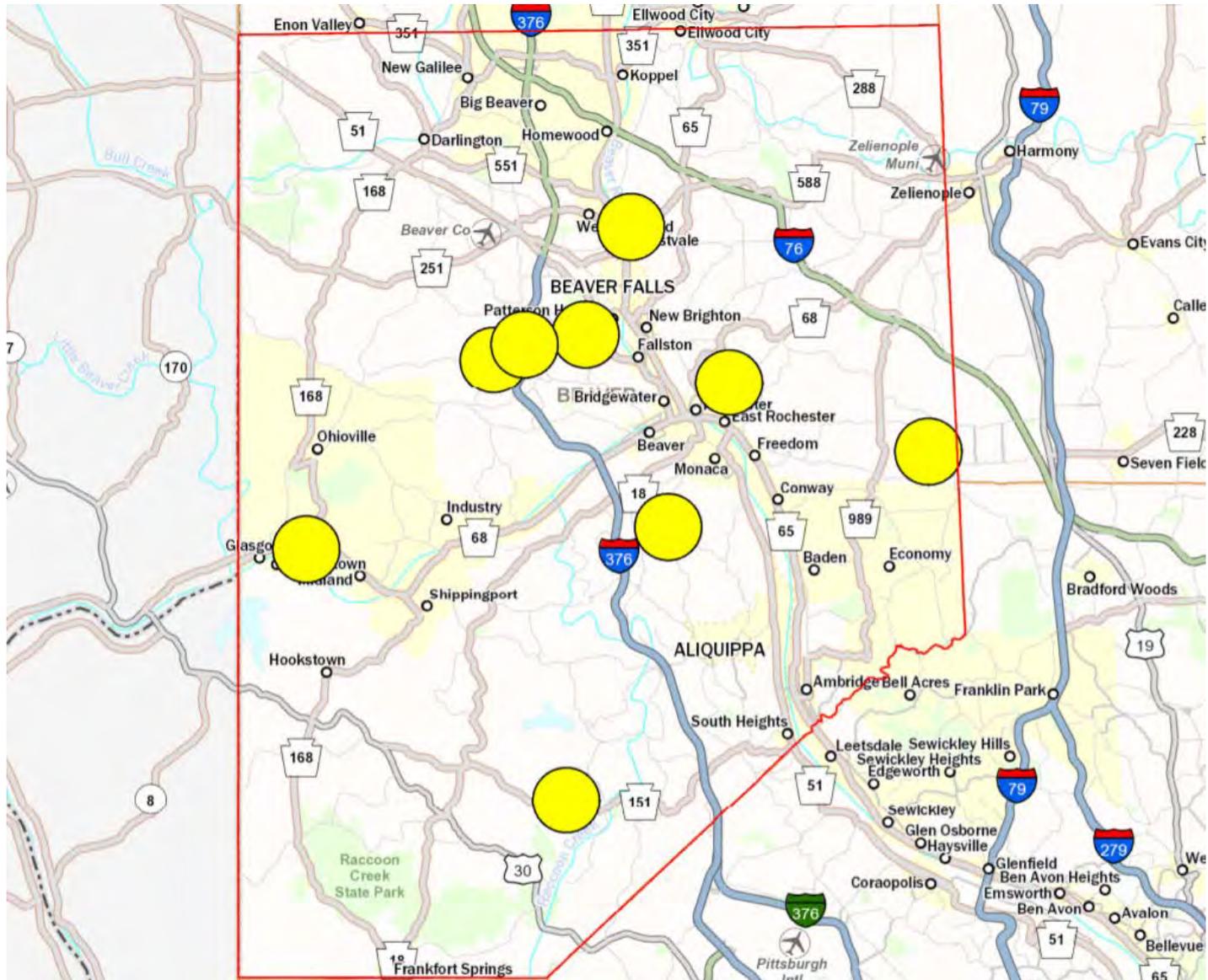
- Full Culvert Replacement
- Long-term Closure



Landslide Repairs

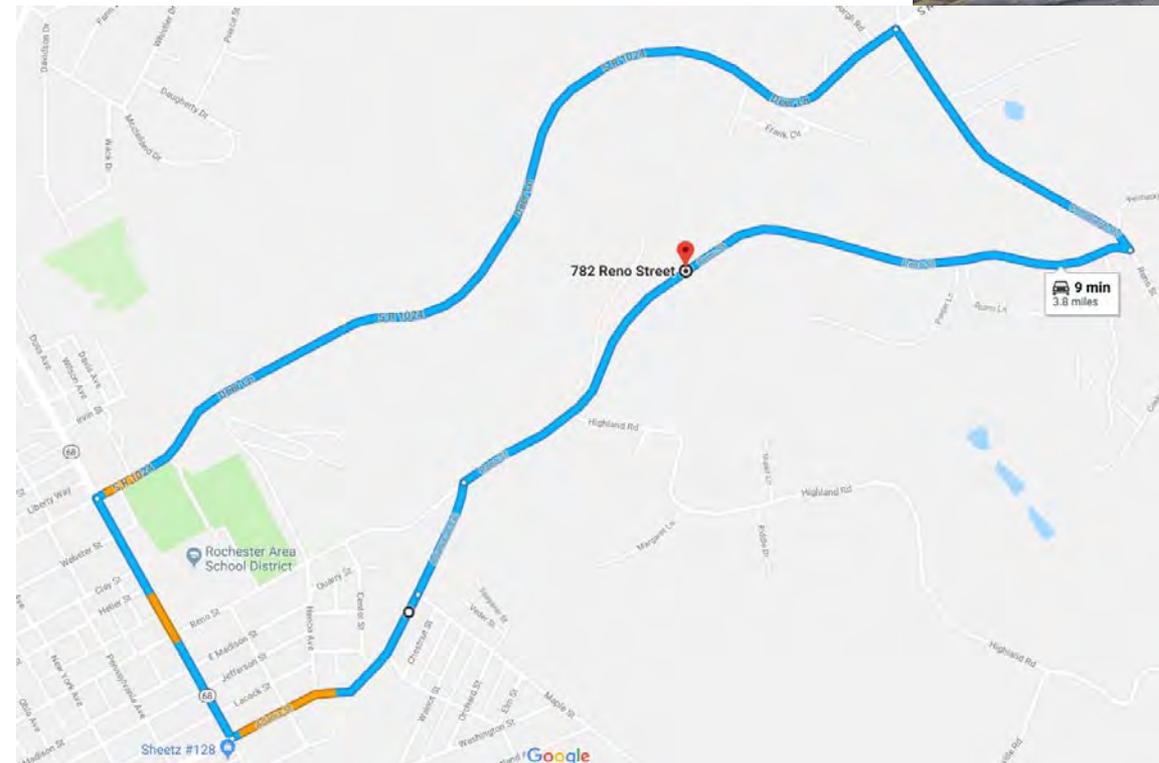


2019-2020 Landslide Repair Locations



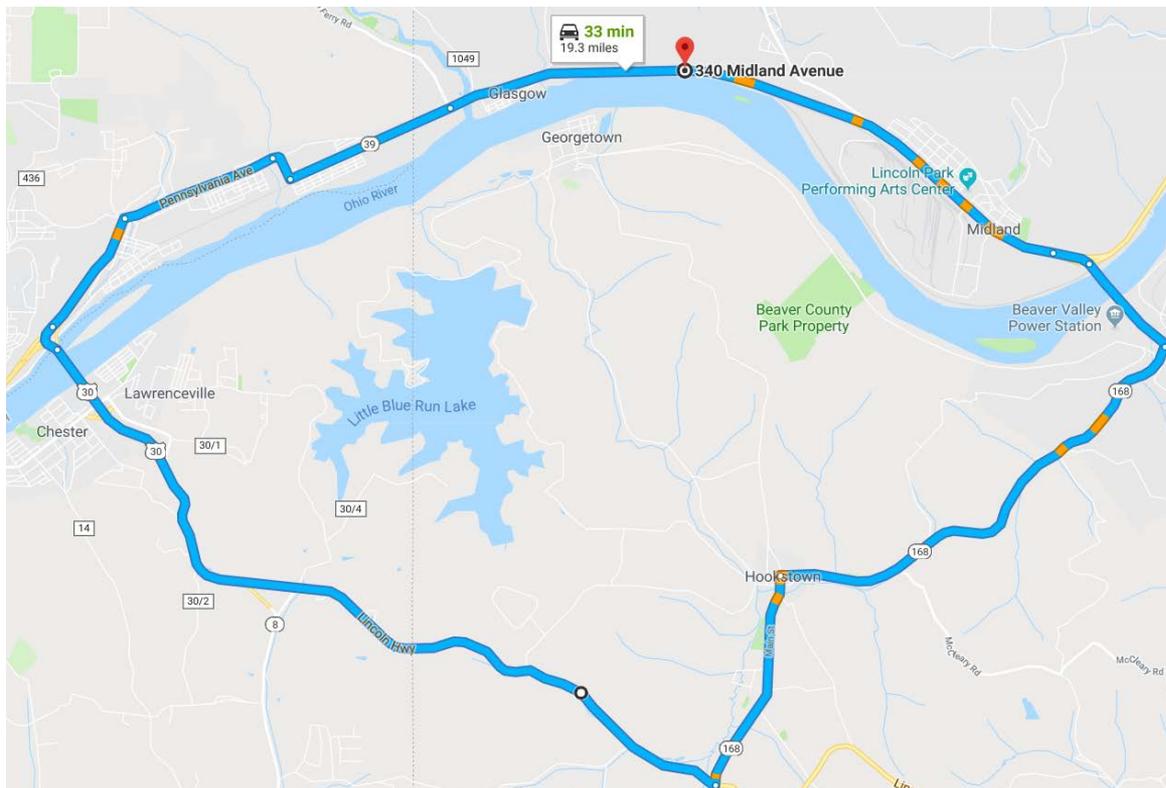
SR 1026 Reno Street - Landslide

- SR 1026
- **Rochester Township**
- Closure after 7/2019
- Repair: Rock Slope



SR 68 Midland Beaver Road - Landslide

- SR 68 B41
- **Ohioville Borough**
- Let: 4/2019
- Long-Term Full Closure



Additional Landslide Repairs

- **Independence Township**
 - SR 151 – Bocktown Road – Let: 9/2019
- **Center Township**
 - SR 3005 – Chapel Road – Let: 9/2019
- **Brighton Township**
 - SR 4012 Segment 0140 – Brady's Run Road – Let: 9/2019
- **Brighton Township**
 - SR 4012 Segment 0070 – Brady's Run Road – Let: 6/2019
- **North Sewickley Township**
 - SR 588 – Bennet Run Road – Let: 4/2020
- **Brighton Township**
 - SR 4019 – Park Road – Let: 4/2020
- **New Sewickley Township**
 - SR 2006 – Lovi Road – Let: 4/2020

Traffic Engineering & Operations Unit

Todd Kravits, P.E.
District Traffic Engineer
412-429-4975



**Traffic
Signals**



**Western
Regional
Traffic
Management
Center**



**Safety
Management**



Operations



**Work Zone
Traffic
Control**



**Highway
Occupancy
Permits**

Traffic Engineering and Operations

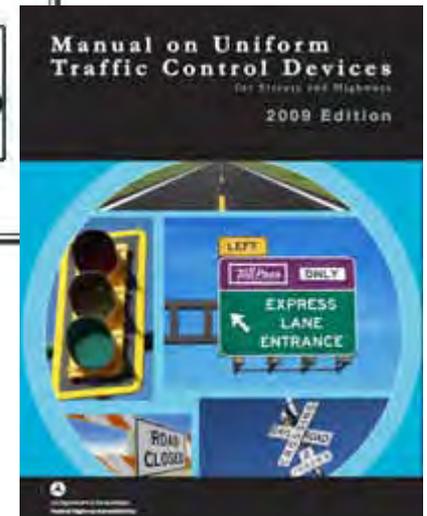
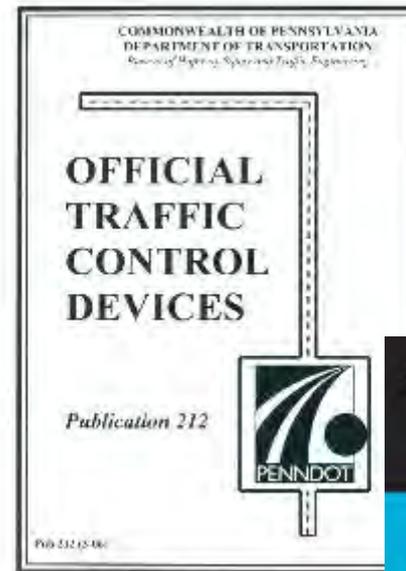
What You Need to Know

We provide the following services at no cost to our municipal partners when state roads are involved:

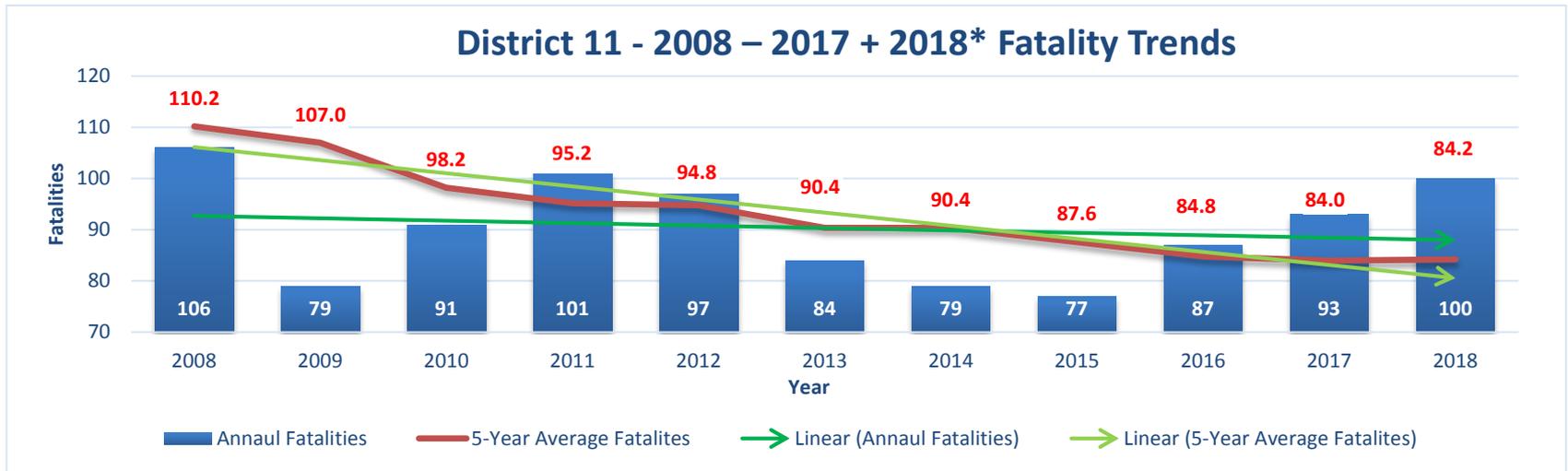
- Traffic Signal Design and Operation Reviews
- Traffic Engineering and Safety Studies
 - Speed, Signal, Stop and Yield Sign, Turn Restriction, Weight Limit, School Zone and Engine Brake Retarder Studies
- Other Services
 - Special Event (Races/Parades) Permits
 - Banner Agreements
 - Mid-Block Crosswalks Reviews
 - Hazardous Walking Route Reviews
 - Traffic Counts
 - Crash Data Analysis

Why Do We Do This?

A Traffic Engineering and Safety Study is required for approval, location, installation, revision, operation, maintenance, and removal of all traffic signs, signals, markings, and other traffic control devices on all streets and highways in the Commonwealth.



Safety Management



Over the last decade (2008-2017) , we have reduced our 5-year average fatalities and serious injuries by 25%, How?

Through an aggressive program of:

- Systematic Low Cost Safety Improvements
- Site Specific Safety Projects
- Construction Work Zone Enhancements
- Pedestrian/Bicycle Improvements
- Safety and Enforcement Programs

* 2018 final data not final and shown for informational purposes only

Safety Management



Pedestrian

- Signing upgrades to fluorescent yellow-green instead of the old yellow and black
- Using higher visibility crosswalks (piano keys)
- Yield to Pedestrian Channelizer Program



Bicycle

- Comprehensive plans establishing a network
- Municipalities responsible for owning and maintaining these facilities
- Legislation changes required for greater flexibility (parking protected)

Signing & Pavement Markings

Although PennDOT is responsible for installing and maintaining most of the signs and pavement markings on state owned roads, we are not responsible for:

- Speed limit postings less than 40 MPH
- Stop signs on local roads
- Crosswalks, Stop Bars, and Legends
- Entrance and crossing related warning signs
 - School, Pedestrian, etc. crossings
 - Plant, Park, School, etc. entrances

Certain businesses may qualify for signing under PA Tourism Signing Trust. Call us for more information.

Traffic Signals

PennDOT does not own, operate or maintain traffic signals. However, we:

- Issue permits for traffic signals and flashing devices
- Provide design assistance for local municipalities
- Respond to complaints/ operational issues
 - Signal timing



Traffic Signals

There are 1,705 traffic signals and 392 flashing devices throughout the District. This includes 614 signals and 110 flashing devices in the City of Pittsburgh

- Improper signal timing contributes to delay, traffic congestion, pollution and excessive fuel consumption

Available programs

- Green Light Go: Pennsylvania's Municipal Signal Partnership Program
 - Application period begins in January
 - 20% Required Match
- Automated Red Light Enforcement (ARLE)
 - Application period begins in June
 - No Match Required

Highway Occupancy Permits

Permitting storm water facilities on state roads

- Outside of a few exceptions, local government must be sole applicant or co-applicant with property owner looking to make subsurface drainage connections to highway drainage system.

E-permitting

- Online permitting system includes “Local Government Partner” role that can allow for local agencies to receive email notifications when driveway permit applications located within their jurisdictions are received or responded to by PennDOT.

Construction Division

Jason Zang, P.E.
Assistant District Executive
412-429-5007



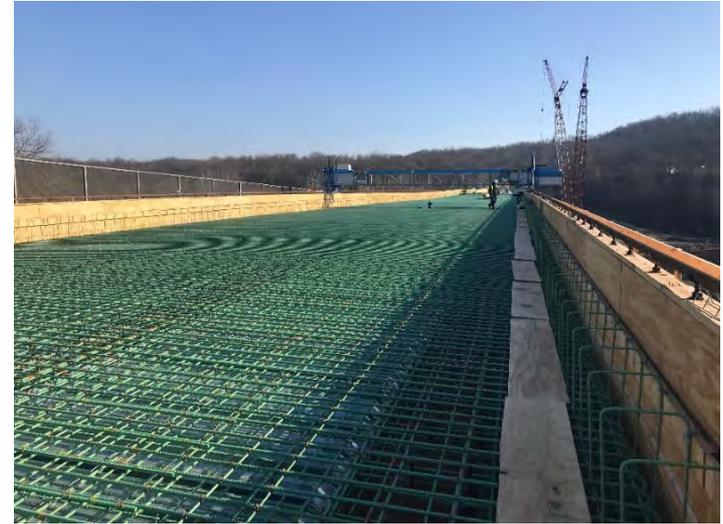
Doug Thompson, P.E.
Principal Assistant Construction Engineer
412-429-5060

Beaver County Construction Overview

- 45 miles of state roads paved or resurfaced in 2019
- Approximately 12 projects will be let in 2019 worth \$38 million
- 20 projects in construction in 2019
- 3 bridges improved or replaced (2 in poor condition)
- \$53 million in 2019 construction expenditures (estimated)

SR 351 Koppel Bridge Replacement

- \$27.5 million
- Over the Beaver River in Koppel Borough and New Sewickley Township
- Traffic continues to be maintained on existing bridge
- A 72-day detour in the bridge area will occur in the fall of 2019 to connect the new bridge with the existing highway



SR 18-B59 7th Avenue (Beaver Falls/New Brighton)

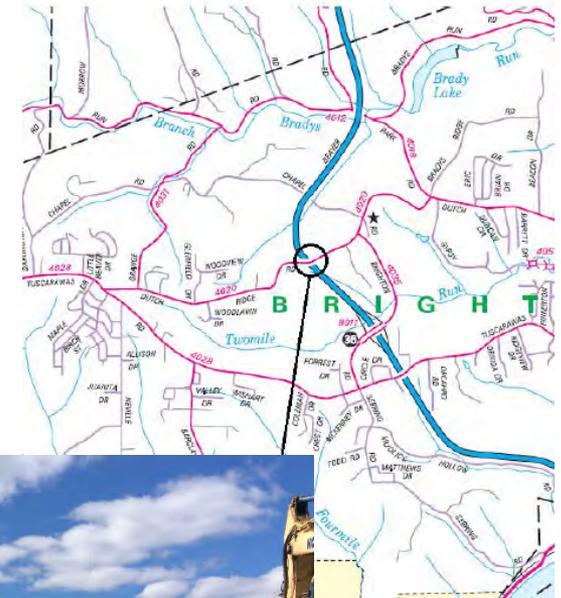


Betterment Project

- Patch/Overlay & Mill/Resurfacing
- Signal Upgrades
- "Road Diet"
- Estimated \$7 Million

SR 4020 Dutch Ridge Road Bridge / I-376

- \$5.9 million
- Located on SR 4020, Dutch Ridge Rd over I-376 in Brighton Twp.
- Traffic will be detoured
- End of 2019 completion date



Crows Run/Freedom Road Upgrade

- \$19.6 Million
- Phase A finishing up July 2019



SR 68 Midland Road Slide

- Estimated value of \$3 million
- Located on SR 68, Midland Road in Midland Borough, Beaver County
- Possible start date of June 2019
- Slide correction
- End of 2019 completion date – finalizing railroad co-ordination may push project later



SR 30 Upgrade

- Estimated value \$11 million
- Located on SR 30 (Lincoln Highway), WVA state line and to 1.0 mile west of SR 168 intersection, Greene Township, Beaver County
- Realignment and reconstruction to upgrade a portion of this roadway to meet current design standards
- Late 2019 Bid
- End of 2021 completion



CB #24 Brickyard Bridge

- Estimated value of \$1 - \$2 million
- Brick Yard Bridge Road (a.k.a. Brady St.) over Brady's Run in Fallston Borough, Beaver County
- The existing bridge will be kept to maintain access while the replacement bridge is being constructed
- Summer 2019 start with a Fall 2020 completion



CB-52-McHenry Bridge #1

- \$2 million
- Located over Service Creek on Upper Service Road in Raccoon Township, Beaver County
- Bridge replacement with minor realignment
- A posted detour is 4.0 miles
- Start summer 2019, completion at end of 2019



Beaver County Group Paving Projects

- Let Date: 3/14/2019
- Estimated Cost: \$3 million
- For the milling, resurfacing, etc.
- **Shenango Road-Darlington Road (Route 4021)** from Braun Road (Route 4008) to Constitution Blvd (Route 51) in Chippewa Township
- **Tuscarawas Road (Route 4028)** from Brighton Road (Route 4035) in Brighton Township to Georgetown Lane (Borough) in Vanport Township
- **Wildwood Road (Route 4033)** from Dutch Ridge Road (Route 4018) in Brighton Township to Constitution Blvd (Route 51) in Patterson Township

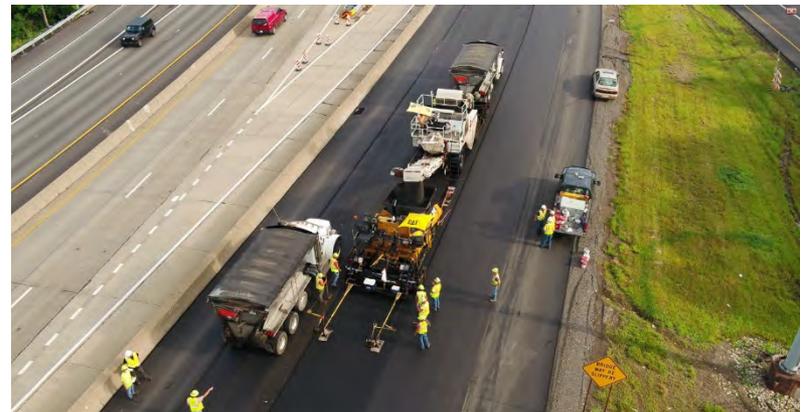
Additional Beaver County Projects

- **SR 151 Bocktown Road slide remediation** in Independence Township
- **SR 1009 Fombell Road over Camp Run** in Franklin Township
- **SR 1026 Reno Street slide remediation** in Rochester Township
- **SR 4005 New Galilee over North Fork of Beaver Creek bridge rehabilitation** in Darlington Township near the intersection of New Galilee Rd and Haney Rd
- **SR 4012 Brady's Run Road Bridge II replacement** in Chippewa Township between Darlington Rd and May Rd
- **SR 4012 Brady's Run Road #1 slide remediation** from South Beaver Township line to 3.44 miles from Patterson Township line
- **SR 6018 pavement project in Rochester** Borough from Monaca Rochester Bridge to SR 8041

I-279

\$87.94 million

- HOV closed, April 2, 2019 – reopen mid June
- Concrete patching, inlet rebuild and asphalt overlay from approx. Venture Street area up to the Park N Ride
- Bridge Expansion Dam work, HOV structure for the McKnight Road Exit
- Anti-Icing System
- 650' of reconstruction on SR 28 NB from Anderson Street to just past River Avenue (started, complete end of May)
- One lane outbound will be maintained
- River Avenue will be closed and detoured



I-279

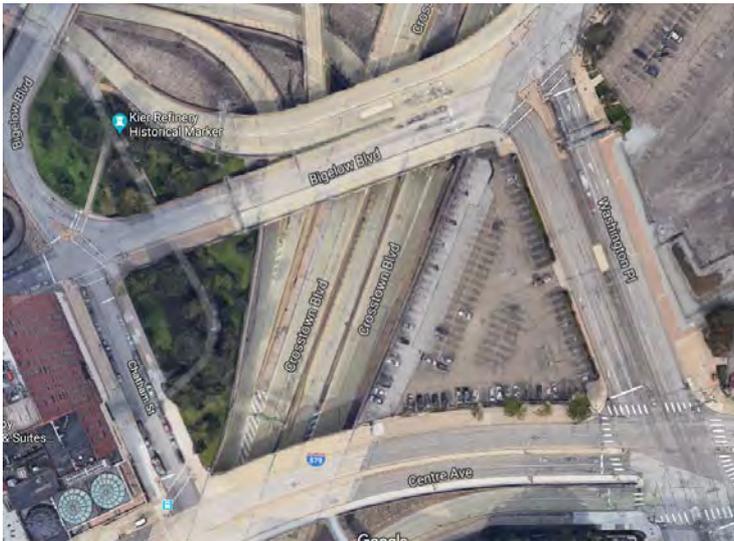


- Two weekend long mainline Northbound restrictions for paving
- Various off-peak lane restriction NB and SB for various work
- Completion Fall 2019



SR 579 "CAP"

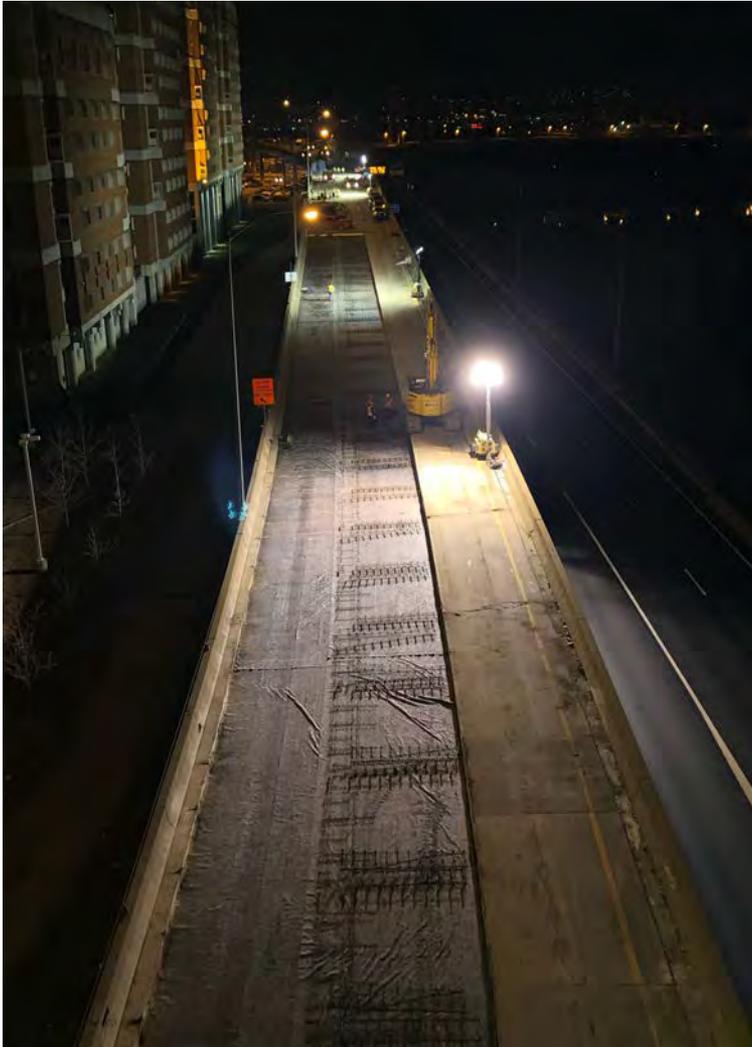
- Estimated \$29 million
- Anticipated start of end of June 2019
- End of 2021 completion



SITE IMPROVEMENTS PLAN - RENDERING

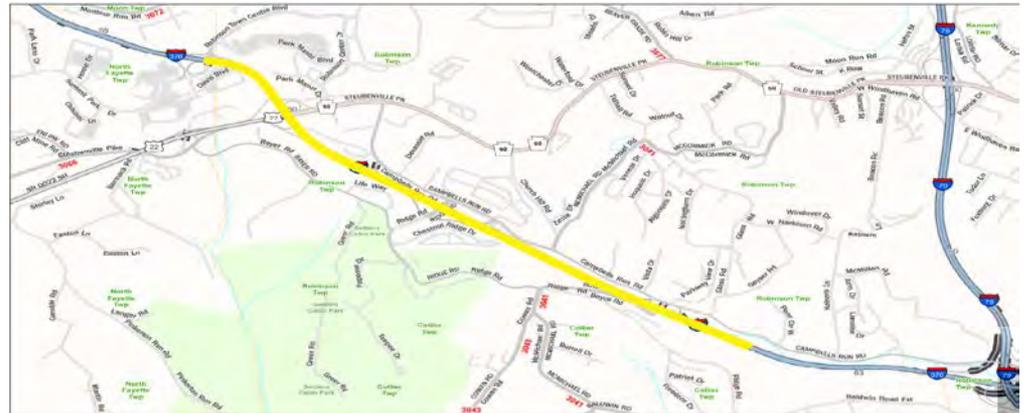


SR 376 Parkway East



- \$26.4 million
- For the milling and resurfacing, bridge dam replacement, and misc.
- 6.49 miles
- 4800' bridge expansion dams replaced
- Ft. Pitt to Swissvale/Edgewood Boroughs
- November 2019 completion

SR 376 Parkway West



- Milling and resurfacing, etc.
- I-376 from Tonidale Road to Boyce Road in Robinson, North Fayette and Collier Townships
- Work to start late mid-summer, 2019
- Estimated value of \$5.5 million

RT 28 A55

Wrapping up, completed mid-2019



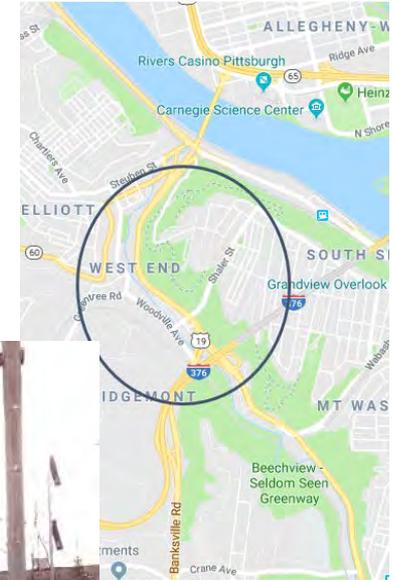
SR 885 Blvd of Allies/Bates St to I-376

- \$7.4 million located on SR 885 (Blvd of the Allies) from Bates Street to Interchange Ramp
- Mostly mill/repave, ITS signs. (10% RAP Pilot)
- Overnight and weekend lane restrictions will be implemented
- A mid-2019 start and an early 2020 completion date



SR 19 West End Bypass

- Contract value of \$14.6 million
- The project consists of reconstruction of four lanes of highway.
- Replacement of Shaler Street Bridge with SPMT
- Completion date by June 2020



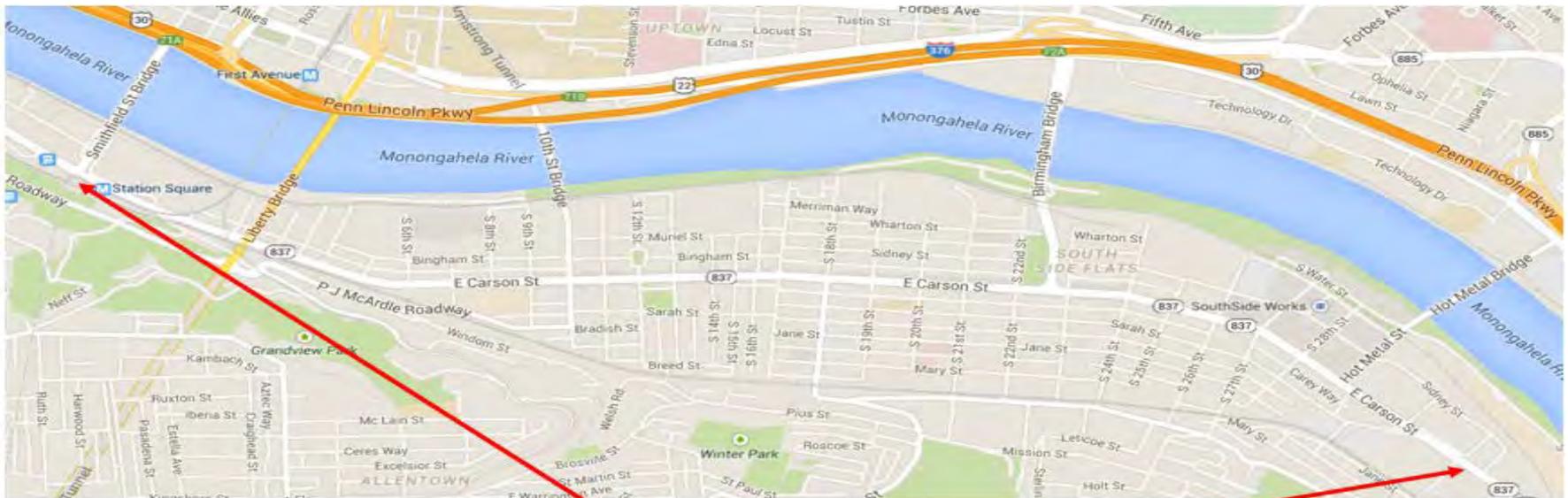
SR 837 West Carson Street

- \$6.4 million
- Mid-2019 start and end early 2020
- Milling and resurfacing, etc.



SR 837 East Carson Street

- \$18 million
- South Side, Business District
- Safety improvements, cross-walk length reductions
- Milling and Paving, etc.
- Letting ASAP, pending legal agreements with City of Pittsburgh

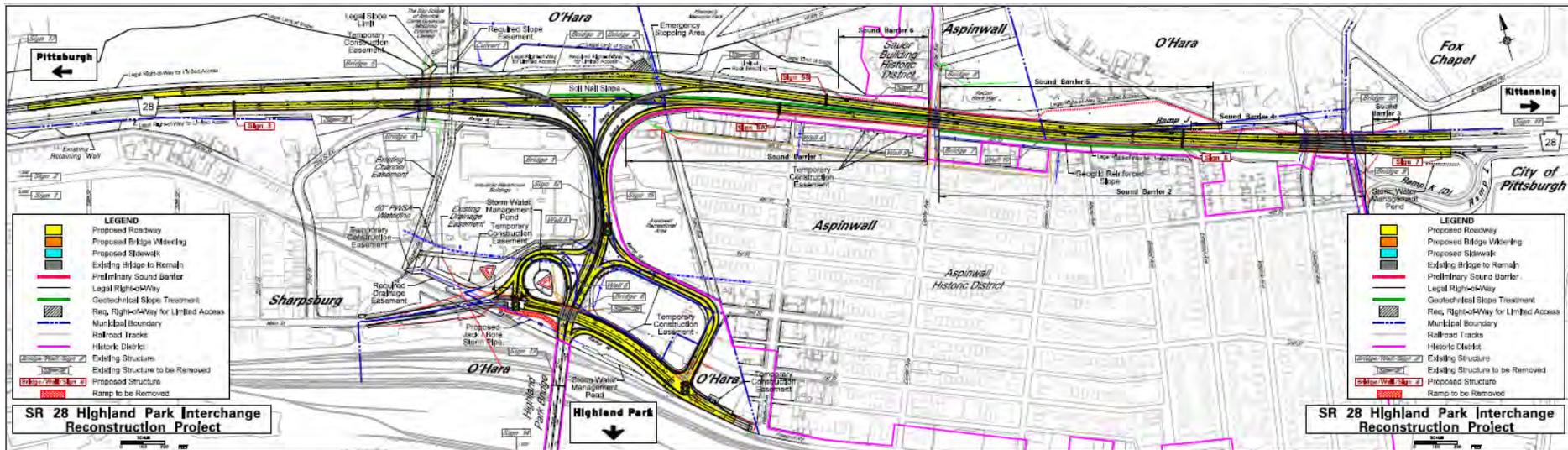


Project Limits

Design Division



Douglas M. Seeley, P.E.
Assistant District Executive
412-429-5005



S.R. 0051 Section B51

Chippewa and Patterson Townships and Fallston and Bridgewater Boroughs



- **Anticipated Let Date:** January 30, 2020
- **Total length:** 6.47 miles **ADT:** 20,005 (2020)
- **Scope:** Milling and resurfacing or bituminous overlay, base repairs, drainage and guide rail updates, bridge preservation, signal updates, curb ramps, signing, pavement markings, delineation, and other miscellaneous work

S.R. 0051 Section B51

Chippewa and Patterson Townships and Fallston and Bridgewater Boroughs



SR 0065-B34 Mercer Road Bridge

- Anticipated Let Date: June 9, 2022 (North Sewickley Twp.)
- Bridge replacement of the existing masonry arch culvert. Additional work includes approach roadway reconstruction, guiderail updates, inlet repairs, utility adjustments. Construction is anticipated to begin in August 2022 and be completed in the Spring of 2024



SR 0065-B34 Mercer Road Bridge



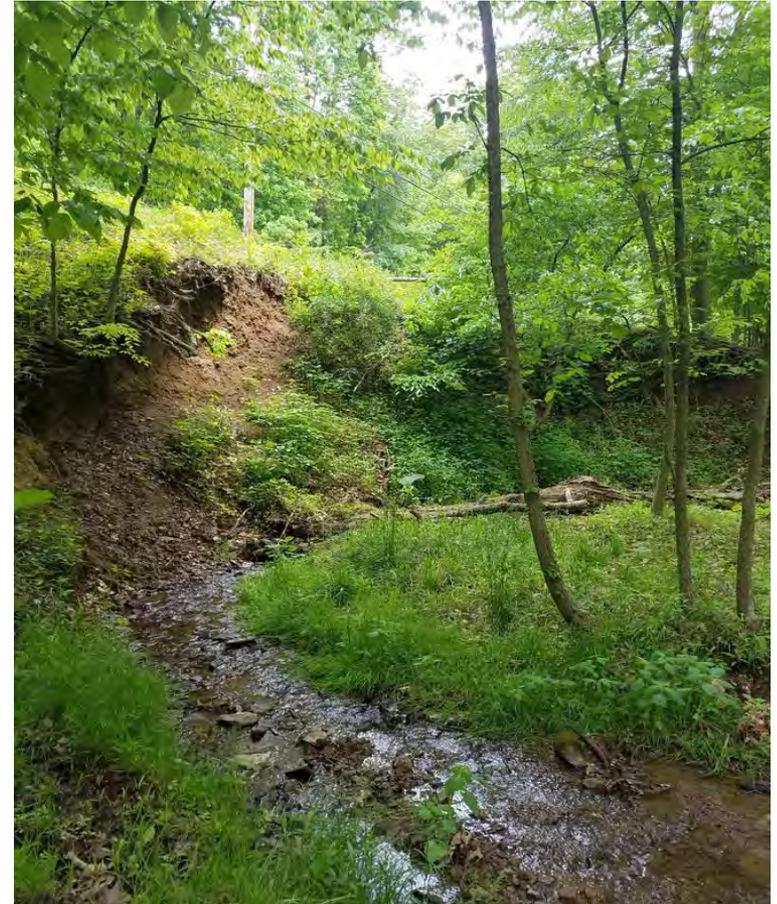
S.R. 151 Section B09 Bocktown Road

- Anticipated Let Date: September 12, 2019 (Independence Twp)
- Landslide Repair with rock slope, drainage updates



S.R. 151 Section B09

Bocktown Road landslide repair



SR 2006 Section B05 Lovi Road

- Anticipated Let Date: April 23, 2020 (New Sewickley Twp)
- Landslide repair with rock slope, drainage, and pavement reconstruction



S.R. 3007 Section B06 - Brodhead Road

- **Anticipated Let Date:** February 17, 2022
- **Total Length:** 9.54 miles **ADT:** 12,202 (2022)
- **Scope:** Milling and resurfacing, base repairs, shoulder resurfacing and upgrades, drainage and guide rail upgrades, culvert repairs, signal updates, curb ramps, signing, pavement markings, delineation.
- Project includes installation of a new traffic signal at Center-Grange Road. Evaluating possible installation of left turn lanes at and adjacent to this intersection.



City of Aliquippa,
Hopewell and Center
Townships

S.R. 3007 Section B06 - Brodhead Road

City of Aliquippa, Hopewell and Center Townships

Betterment Project



S.R. 4018 Section B02 Park Road

- Anticipated Let Date: April 23, 2020 (Brighton Twp)
- Landslide repair with rock slope, shoulder repair, drainage, pavement reconstruction



➤ SR 588-B21 Darlington / Steffin Hill Road

- Let Date: February 11, 2021 (Chippewa and White Townships)
- Milling and resurfacing, base repairs, minor structure and drainage improvements, update Department signs and pavement markings

District: 11 County: 04 Route: 0588 Road Name: BRIARCLIFF RD Segment: 0010 Offset (ft): 01964 Date: 2017/08/06



District: 11 County: 04 Route: 0588 Road Name: BRIARCLIFF RD Segment: 0030 Offset (ft): 01774 Date: 2017/08/06

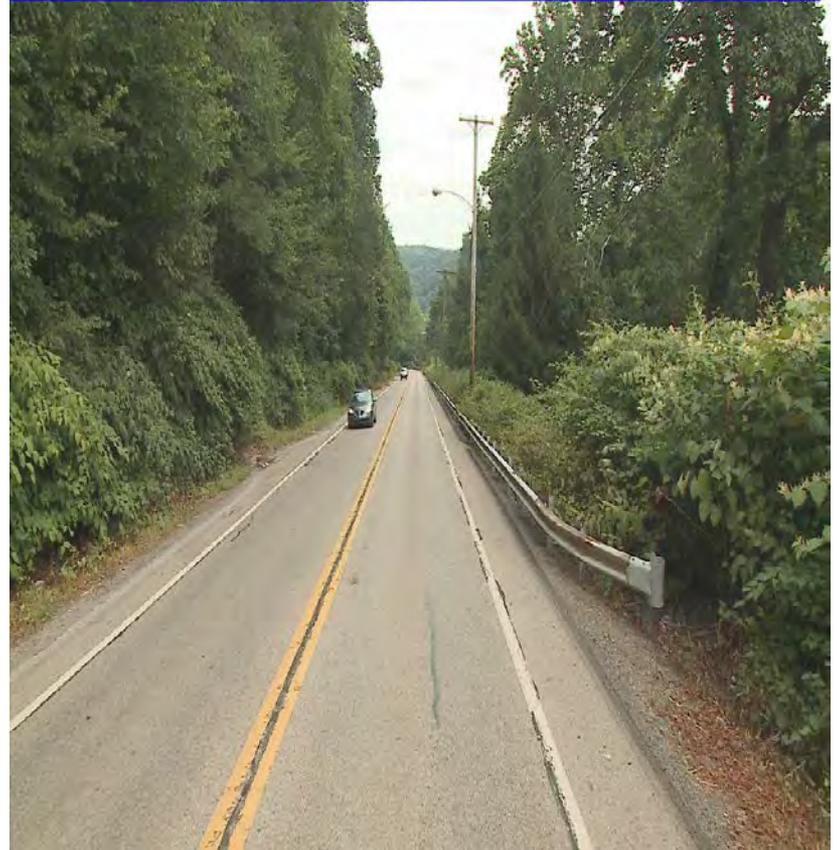


S.R. 588-B21 Darlington / Steffin Hill Road

District: 11 County: 04 Route: 0588 Road Name: BRIARCLIFF RD Segment: 0030 Offset (ft): 03273 Date: 2017/08/06



District: 11 County: 04 Route: 0588 Road Name: STEFFIN HILL RD Segment: 0050 Offset (ft): 00549 Date: 2017/08/06



S.R. 0065 Section B33

Mercer Road over Connoquenessing Creek (North Sewickley & Franklin Twps.)
Anticipated Let June 9th, 2022 – Construction in Spring of 2023



Scope of Work:

Full Replacement of the existing 202 linear foot – 3 Span Non-Composite Steel Multi-Girder Structure which was built in 1976. The project will also include minor approach roadway work, stream bank stabilization, and guiderail updates.

S.R. 1005 Section B04

Chapel Drive over Brush Creek (North Sewickley Twp.)
Anticipated Let March 17th, 2022 – Construction in Summer of 2022



Scope of Work:

Full structure replacement of the existing two span prestressed spread box beam structure. The project will also include minor approach roadway work and guiderail/end treatments will be updated to be MASH compliant.

S.R. 4012 Section B11

Groscost Road over McElroy Run (South Beaver Township)
Anticipated Let May 12th, 2022 – Construction in Spring of 2023



Scope of Work:

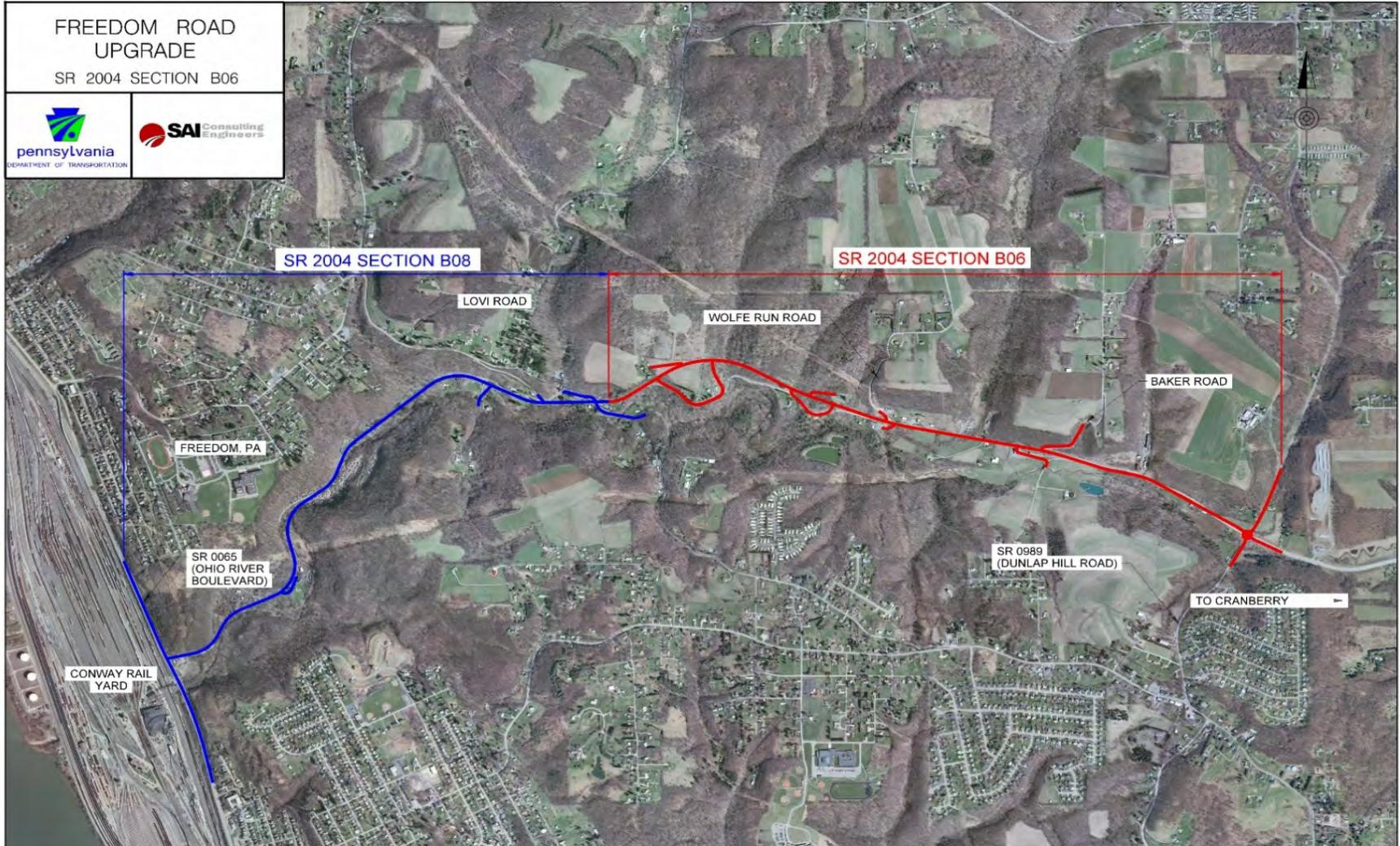
Superstructure replacement of the existing single span steel multi-girder superstructure and reconstruction of the existing concrete abutments. The project will also include minor approach roadway work and guiderail/end treatments will be updated to be MASH compliant.

S.R. 2004 Section B06

Freedom Road Upgrade

- **Anticipated Let Date:** Early Spring 2020
- **Total Length:** 1.75 miles
- **Limits:** Park Quarry Road to SR 989
- **Scope:** Roadway construction, earthwork, storm drainage features, signing, pavement marking, guide rail, adjacent driveway adjustments, and adjacent intersecting road adjustments.
- Construction of a Roundabout at the intersection of SR 2004 and SR 989.

S.R. 2004 Section B06



S.R. 2004 Section B06

Existing SR 2004 – Freedom Crider Road



Proposed Roadway

- Typical Section:
 - Two 11' lanes
 - 8' shoulders
- Earthwork
- Vertical and Horizontal adjustments

S.R. 2004 Section B06

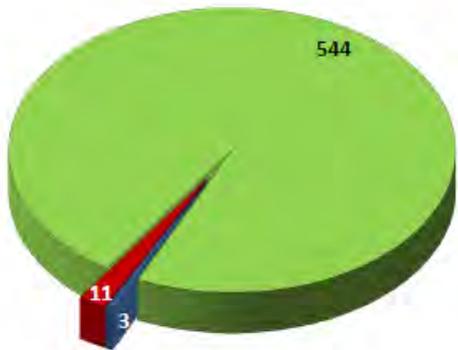


▶ 2020 Beaver County Group Paving Project

- SR 0018 (Frankfort Rd.) – Hanover Township and Raccoon Township
- SR 0168 (Hookstown Frankstown Rd./Shippingport Hill Rd.) – Greene Township, Hookstown Borough, and Shippingport Borough
- SR 0251 (Shenango Rd./Oakville Rd./Thirty Seventh St.) – Chippewa Township and West Mayfield Borough
- SR 3016 (Green Garden Rd.) - Raccoon Township

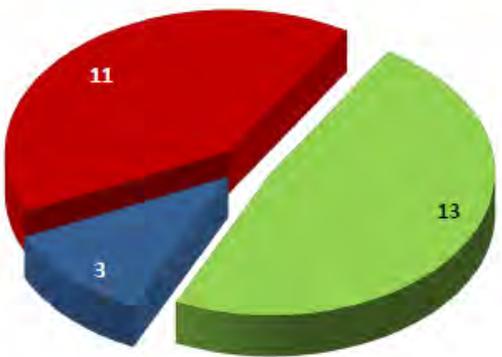
Rapid Bridge Replacement Project Update

Total Program - Construction



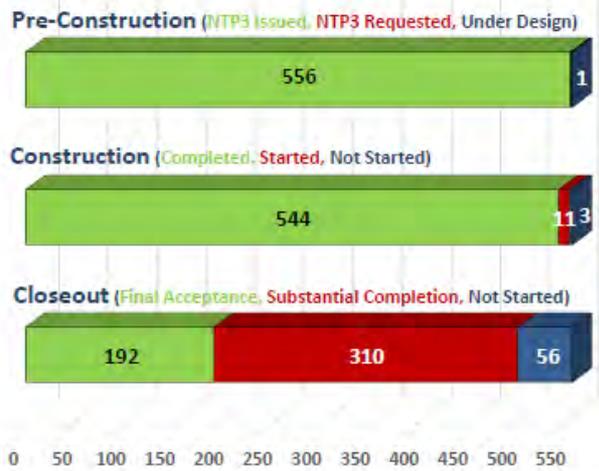
■ Bridges Remaining ■ Under Construction ■ Open to Traffic

**2019 Construction Season (5 Planned Starts)
Includes 22 - 2018 Started/2019 Completed**

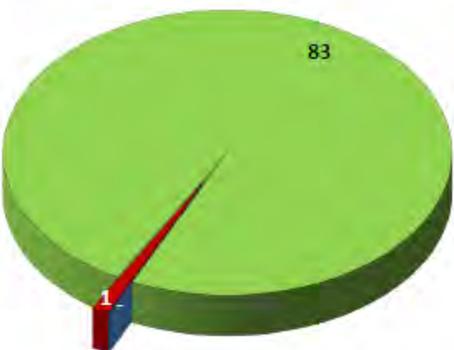


■ Bridges Remaining ■ Under Construction ■ Open to Traffic

Status by Phase - Total Program

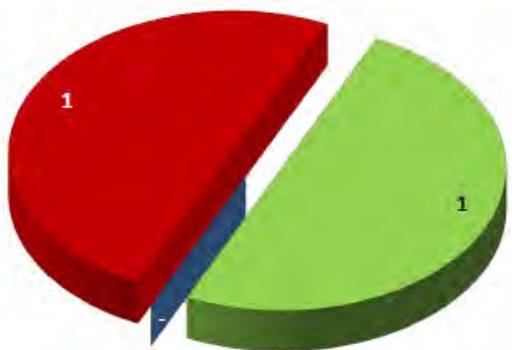


Total Construction Program - District 11-0



■ Bridges Remaining ■ Under Construction ■ Open to Traffic

2019 Construction Season - District 11-0



■ Bridges Remaining ■ Under Construction ■ Open to Traffic

Status by Phase - District 11-0



Municipal Services / Planning & Programming

Rob Miskanic
Transportation Planning Manager
412-429-4822



What are Liquid Fuels?

- The Commonwealth provides dedicated funding to Local Governments for eligible expenditures that results in improvement to the local roadways and bridges that they are legally responsible to maintain.
- Municipal funding is dedicated through a portion of the Oil Franchise Tax collected, and is based on 50% population and 50% municipal roadway mileage.
- County funding is dedicated through 4.17% of a millage rate as set by Act 89 of 2013.

Funding and Partnership

- District 11-0 has 208 Municipalities and 3 Counties which are responsible for approximately 6,000 miles of local roadways and 560 local bridges.
- Payment for Municipalities is once a year, on or about March 1. Over \$49M in 2019.
- Payment for Counties is twice per year. June and December. Over \$4.9M Est. for 2019

Liquid Fuels Allocations

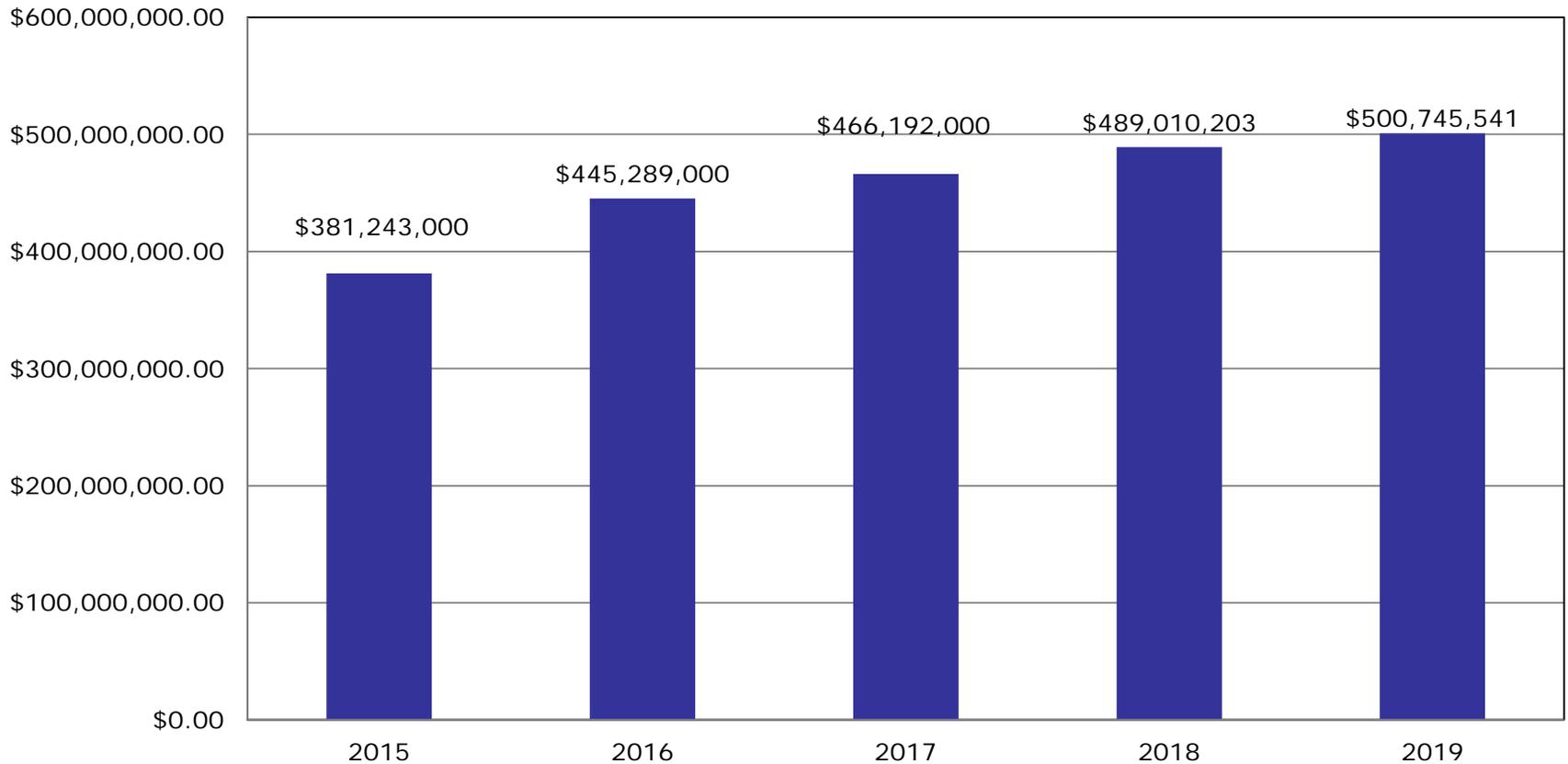
FUNDING TYPE	FUNDING BENEFICIARIES		PAYMENT	REQUIRED REPORT(S)	ADDITIONAL INFORMATION
	NAME	MUNICIPAL	COUNTY	DATES	DUE
County Liquid Fuels			June 1 and December 1	MS-991 January 31	PennDOT PUB 9
Municipal Liquid Fuels			March 1	MS-965 January 31	PennDOT PUB 9
				Report of Elected Officials January 31	
				Survey of Financial Conditions March 15	

Municipal Liquid Fuels Tax Fund Allocation

- 2019 MLF allocation - \$500,745,541
 - 2018 MLF allocation - \$489,010,204
 - \$11,735,337 (2.4%) increase
- Payments will begin March 1, 2019 to certified municipalities

Municipal Liquid Fuel History

Municipal Liquid Fuels: 5-Year History



Stay Compliant – Remain Certified!

- It is extremely important that the County and Local Governments handle this funding source properly as they are subject to audit by the Department of the Auditor General.
- The District's Municipal Services Unit Can provide Local Officials with the information necessary for the proper administration of their Liquid Fuels Tax Funding. If you have a question...please ask!

Assistance in the areas of:

- Road Inventory – Certification for Payment
- Project Delivery – Technical Assistance
- Project Approvals
- County Aid Projects
- Approved Materials
- Additional Mileage
- Eligible Expenditures of Funding
- Point of Contact for PennDOT Questions - Programs
- Resolution of Audit Issues
- Interpretation of Codes, Standards and Specifications
- Troubleshooting State/Local Roadway Issues
- Mediation and Problem-solving

Municipal Services Unit Contacts

- **Dan Woodall- Municipal Services Supervisor**
Phone: 412-429-4809 Email: dwoodall@pa.gov
- **Barry DeAngelis- Municipal Services Specialist**
Phone: 412-429-4813 Email: badeangeli@pa.gov
- **Tony Ryan- Municipal Services Specialist**
Phone: 412-429-4812 Email: antryan@pa.gov

Grants and Reimbursement Programs

PennDOT Administers **Grants and Reimbursement Programs** that are available to Pennsylvania municipalities. ***During FY 2017-18, over \$150 million were awarded to local governments*** from programs such as Automated Red Light Enforcement (ARLE), Green Light-Go, Multimodal Transportation Fund, and the Transportation Alternatives Set-Aside.



Financial Questions?

PennDOT provides counties and municipalities with a network of strategically placed **Financial Consultants** throughout the Commonwealth to assist with the preparation of year-end reports and other forms, interpret policy and regulations, identify opportunities for cooperative purchasing agreements and alternative funding services, provide one-on-one remedial training for local government employees on the completion of Liquid Fuels Forms, and ensure compliance on the use of Liquid Fuels Funding.

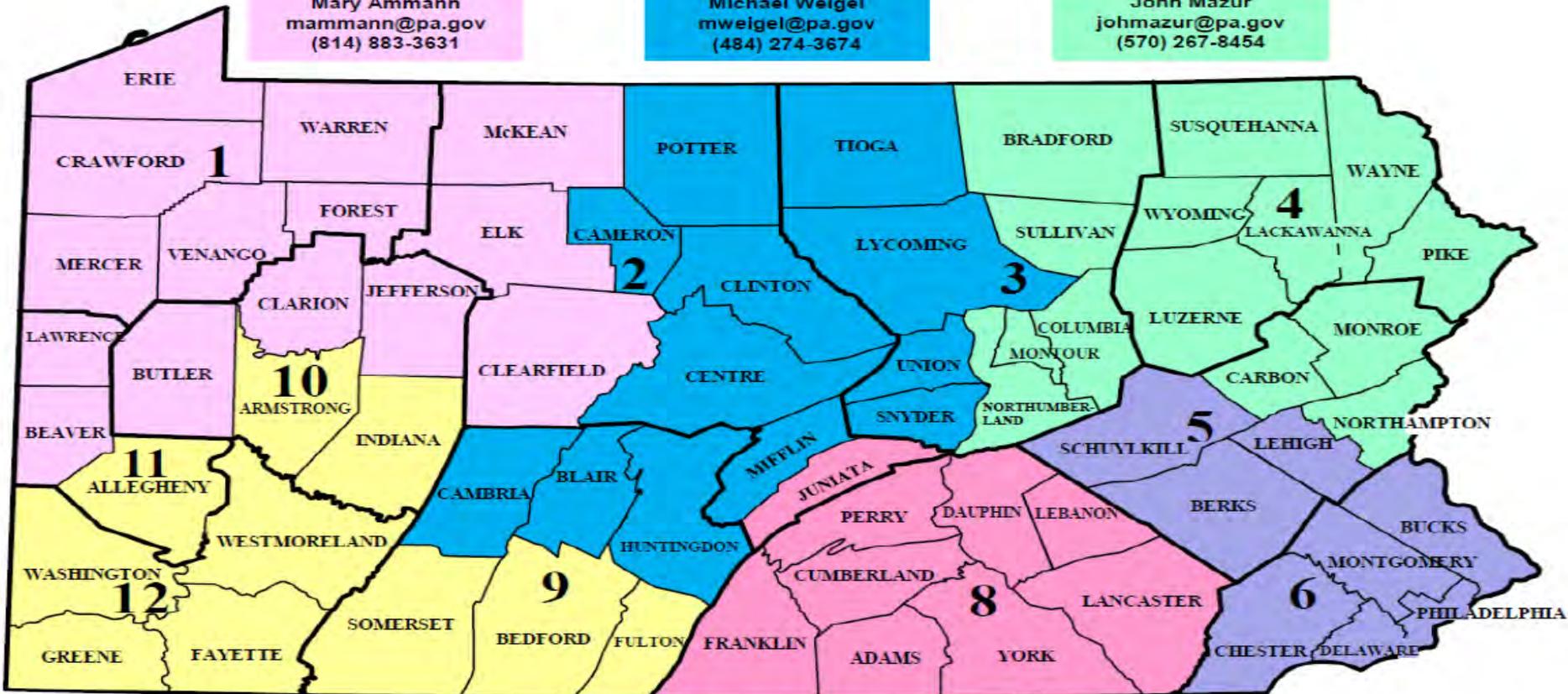
SERVICES FOR LOCAL GOVERNMENTS

FINANCIAL CONSULTANT COVERAGE AREAS

Mary Ammann
mammann@pa.gov
(814) 883-3631

Michael Weigel
mweigel@pa.gov
(484) 274-3674

John Mazur
johmazur@pa.gov
(570) 267-8454



John Weaver
johnweav@pa.gov
(724) 989-8110

Michael Carmel
mcarmel@pa.gov
(717) 425-7071

Earl Helbing
ehelbing@pa.gov
(610) 533-8908



IT ALL BEGINS WITH PLANNING.

Policy Approved December 2016



A road is more than the line between 2 points



Consider all users



Community Collaboration

MPO Planners

Municipal
Representatives

RPO Staff

Local Planners

RPO

Representatives
Rural Planning Organization

MPO

Representatives
Metropolitan Planning
Organization

County Planners

County
Representatives



District Planner

District Traffic

PennDOT
Representatives

Other local government staff

District
Environmental



GOAL: Better Communities and Mobility Powered through Collaboration

PennDOT Connects:

- builds **partnerships** that invest in sustainable transportation.
- leverages **resources** to improve communities.
- leads and innovates **for a more livable Pennsylvania.**
- delivers **projects that improve economic competitiveness, access to work, and overall quality of life.**



How It Works

- PennDOT and our planning partners meet with local governments to discuss details for each project prior to developing project scopes and cost estimates.
- All mobility needs are considered.
 - Bicycle
 - Pedestrian
 - Transit
 - Freight
 - Operations and ITS
 - Utilities
 - Community health
 - Stormwater management
 - Green infrastructure



Opportunities for Communities

Planning Funding Multimodal Planning Corridor Studies



Opportunities for Communities

Stormwater Management Green Infrastructure



Opportunities for Communities

Pedestrian/Bicycle Access Multi-Use Trails



Collaborating With Communities

Connecting With Communities First

PennDOT is:

- **Investing in a community with each project.**
- **Involving communities at the beginning of the planning process.**
- **Learning what elements may be important to include in the project to support a community's vision.**

SR 837-A42 – East Carson Street, Allegheny County

Between January 1, 2007 and December 31, 2014 there were 593 reported crashes or an average of 74 crashes per year at this project location.

Goals:

- IMPROVE SAFETY THROUGHOUT CORRIDOR, SECOND HIGHEST PEDESTRIAN CRASH LOCATION IN THE REGION
- IMPROVE MULTIMODAL MOBILITY
- IMPROVE PEDESTRIAN AND BICYCLE MOVEMENTS
- IMPROVE TRANSIT ACCOMMODATIONS
- REHABILITATE AND IMPROVE THE EXISTING PAVEMENT SURFACE CONDITIONS
- REDUCE CONGESTION
- OPTIMIZE SIGNAL OPERATIONS ALONG THE CORRIDOR

S.R. 837-A42 Connects Work Items Continued

MULTIMODAL CONNECTIONS OVERVIEW



SR 837-A42 PennDOT Connects Related Work Additions

- District 11-0 has added an additional \$8 million of regional, CMAQ and Safety funding for work incorporated into the 837-A42 project related to PennDOT Connects:
 - Adding intersection lighting
 - Completing the sidewalk network between Arlington Avenue and 7th Street which improves the safety of bus stops along a railroad retaining wall
 - Completing the sidewalk and bicycle connections between the Birmingham Bridge and Carson Street
 - Replacing and updating pavement markings throughout the corridor, including high visibility crosswalks
 - Adding additional bump outs to further improve safety and making the bump outs physical rather than painted

Project Example-SR 168-L16

Project Name: SR 168-L16, Galilee Rd to Moravia St

- **Project Location:** Located on SR 168 from Galilee Road to Moravia Street in North Beaver and Taylor Townships, Lawrence County.
- **Project Purpose:** To address roadway deficiencies to provide safe and efficient access for the travelling public.
- **Project Need:** To provide full betterment consisting of rebuilding of curbs, ADA compliance and drainage improvements.
- **Short Project Description and Scope:** Highway restoration, bridge rehabilitation on one structurally deficient bridge and preservation work on two structures.
- **Municipal Collaboration Effort:** Local request for additional sidewalk on the SB side of the road. Presently it has deteriorated curb and grass with some sidewalk.

SR 168-L16 Sidewalk



SR 168-L16 Sidewalk



PennDOT Connects HUB



<https://paconnects.org/>

▶ PennDOT Connects – Powered by Communities

- Planning
- Program Development
- Project Delivery

- **Session will be held in May of 2019 at District 11 Office**
- **Sign-up sheet available to receive email invitation. Space is limited.**

Press Office Contacts

- **Steve Cowan – Press Officer**
Phone: 412-429-5010
- **Yasmeen Manyisha – Safety Press Officer**
Phone: 412-429-5044
- **Joel Morris – Community Relations Coordinator**
Phone: 412-429-5011

511PA

- At any time, motorists can check conditions on more than 40,000 roadway miles by visiting www.511PA.com. 511PA, which is free and available 24 hours a day, provides traffic delay warnings, weather forecasts, traffic speed information, and access to more than 860 traffic cameras.
- 511PA is also available through a smartphone application for iPhone and Android devices, by calling 5-1-1, or by following regional Twitter alerts accessible on the 511PA website.
- Twitter - [@511PAPittsburgh](https://twitter.com/511PAPittsburgh)

2019 PennDOT Winter Services Survey

Accepting feedback through May 7th, 2019

<https://www.surveymonkey.com/r/PennDOTWinter>

- 10-question survey
- Asks how often respondents travel during poor weather, how they rate PennDOT's winter service, and how they rank snow-removal priorities.
- Respondents are also asked how they receive PennDOT roadway information, and whether or how they use the state's 511PA traveler information services.
- During the winter, www.511PA.com offers its standard traffic and incident information while adding PennDOT plow-truck locations, winter roadway conditions, and other services.

Additional Resources

- As construction season begins, information on projects occurring or being bid this year is viewable at www.projects.penndot.gov.
- Visit the PennDOT District 11 website at: <https://www.penndot.gov/RegionalOffices/district-11/Pages/default.aspx>
- Sign up to receive press releases by emailing Steve Cowan at stcowan@pa.gov

Questions?

