

# PennDOT District 11



## South Allegheny County Community Outreach

April 12, 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

Allegheny County Maintenance - **\$53 Million**

Tunnel Organization Maintenance - **\$7.6 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 9522		Total Cost \$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](http://www.projects.penndot.gov)

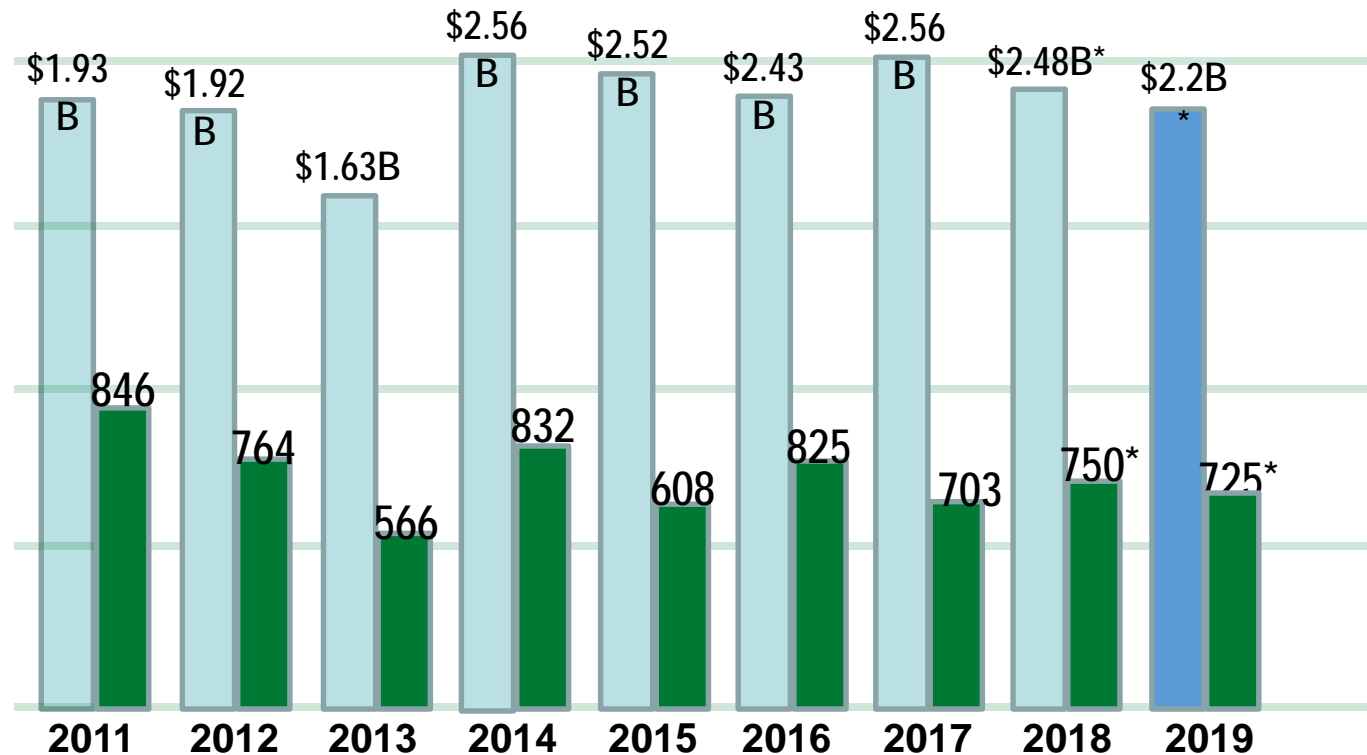


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DEPARTMENT OF TRANSPORTATION



# 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



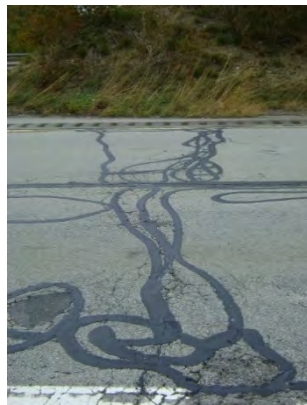
# District 11 Road and Bridge Needs

## 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





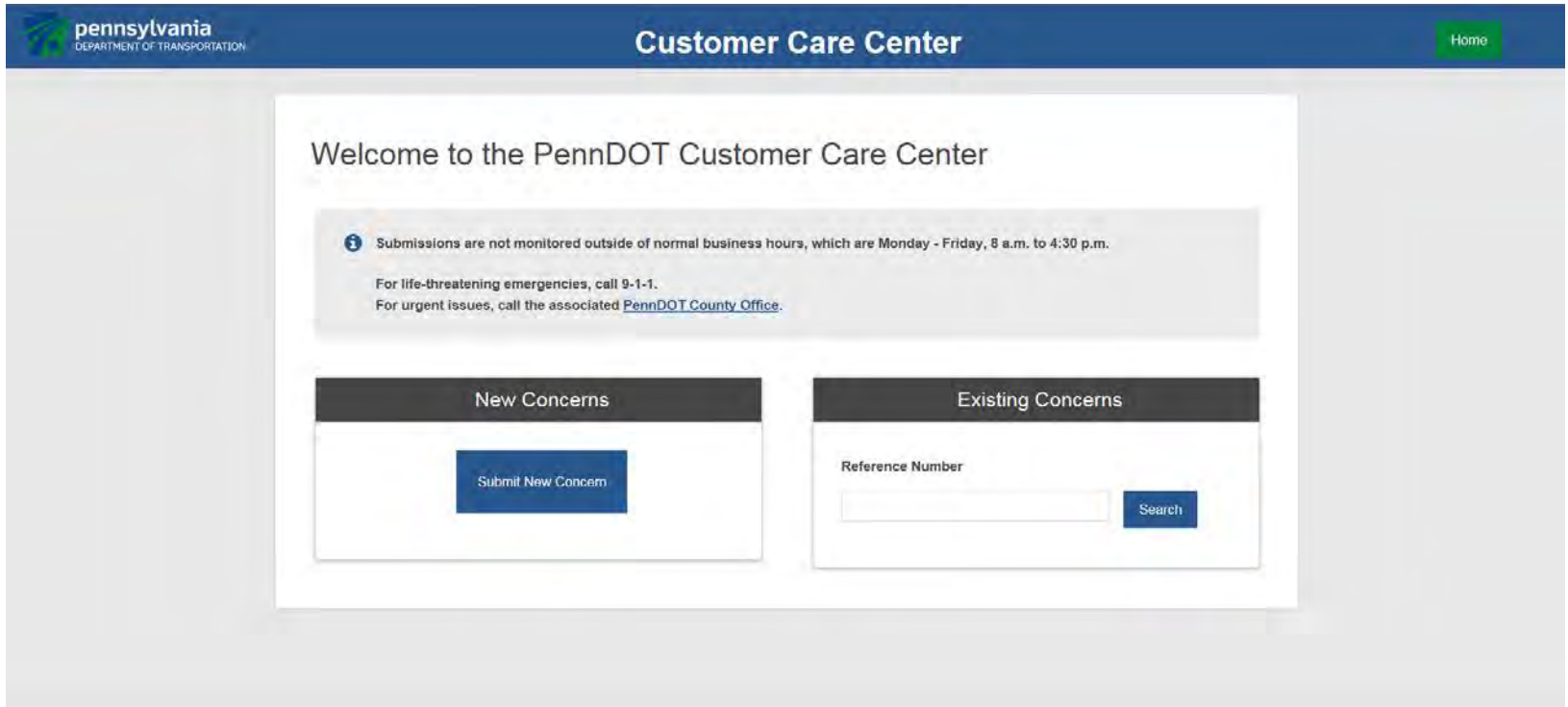
# District 11-0 Engineering Office

**Joel Morris**  
**Community Relations Coordinator**  
412-429-5011





# Customer Service



The screenshot shows the PennDOT Customer Care Center website. At the top, there is a blue header with the Pennsylvania Department of Transportation logo on the left, the text "Customer Care Center" in the center, and a green "Home" button on the right. Below the header, the main content area has a light gray background. A white box in the center contains the text "Welcome to the PennDOT Customer Care Center". Below this, a gray box with an information icon contains the 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](#)." Below the gray box, there are two white boxes with dark gray headers. The left box is titled "New Concerns" and contains a blue button labeled "Submit New Concern". The right box is titled "Existing Concerns" and contains a "Reference Number" label, a text input field, and a blue "Search" button.

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Customer Care Center

Home

Welcome to the PennDOT Customer Care Center

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.  
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New Concerns

Submit New Concern

Existing Concerns

Reference Number

Search

<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 31<sup>st</sup>)

<http://www.keeppabeautiful.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

MS-1 (8-13)

 **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, of 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 P.S. §§ 67.101-67.104, applies to this Agreement. Therefore, the Agreement is subject to, and the PARTNER shall comply with the clause entitled, Contract 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.

## Agility Agreement

- 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





# Allegheny County Maintenance

**Lori Musto**

**Allegheny County Maintenance Manager**

**412-781-3260**





# 2019 County Maintenance Activities

Upcoming activities include:

- Department Force Paving
- Base Repairs
- Mech Patching
- Group Resurfacing
- Seal Coat
- Crack Sealing
- Drainage
- Shoulder Cutting
- Litter/Landscape
- Bridge Cleaning





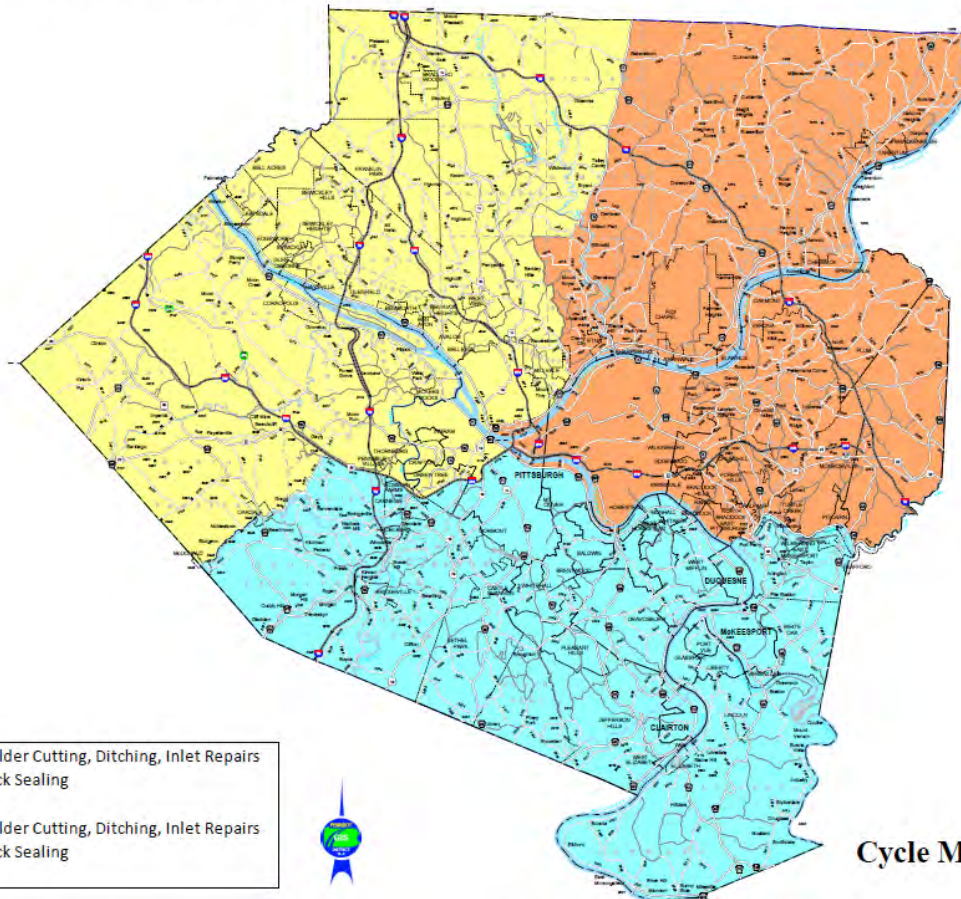
# Cycle Maintenance – 6 Year

## Legend

2018 Paving and Crack Sealing  
2019 Sealcoat  
2020 Drainage, Shoulder Cutting, Ditching, Inlet Repairs  
2021 Paving and Crack Sealing  
2022 Sealcoat  
2023 Drainage, Shoulder Cutting, Ditching, Inlet Repairs

## Legend

2018 Sealcoat  
2019 Drainage, Shoulder Cutting, Ditching, Inlet Repairs  
2020 Paving and Crack Sealing  
2021 Sealcoat  
2022 Drainage, Shoulder Cutting, Ditching, Inlet Repairs  
2023 Paving and Crack Sealing



## Legend

2018 Drainage, Shoulder Cutting, Ditching, Inlet Repairs  
2019 Paving and Crack Sealing  
2020 Sealcoat  
2021 Drainage, Shoulder Cutting, Ditching, Inlet Repairs  
2022 Paving and Crack Sealing  
2023 Sealcoat

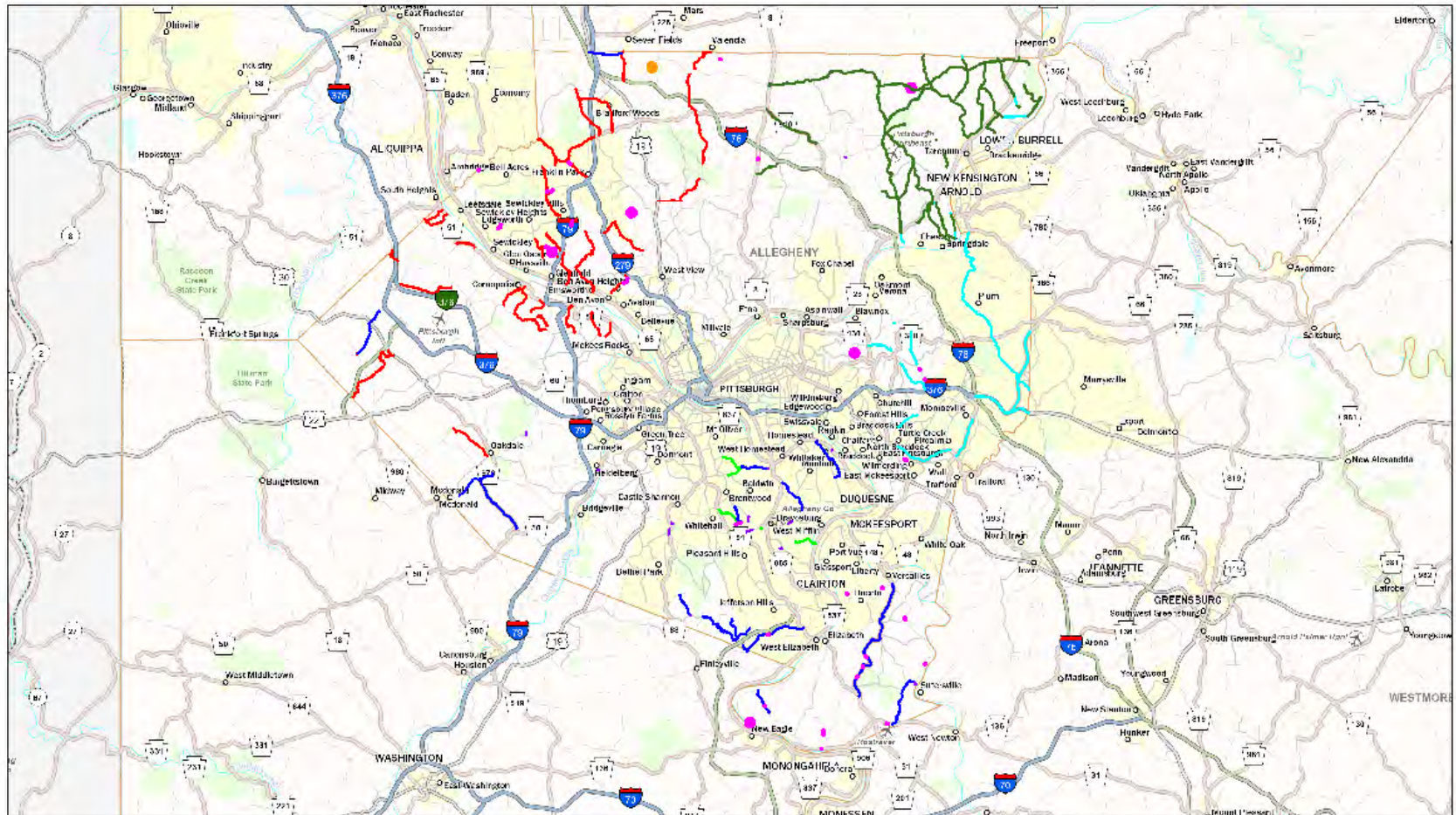
**Allegheny County**  
**Cycle Maintenance 6 Year Plan**



## Overall 2019 Work



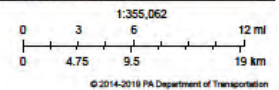
## Countywide Presentation 2019



March 12, 2019

- Blade String
- Blade Caplin
- Shear Pin Out
- Damage Repair
- Edge and Drivings: Goo Crew
- Blade Repair

- White  
● Red Cost



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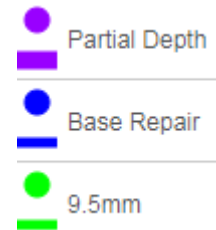
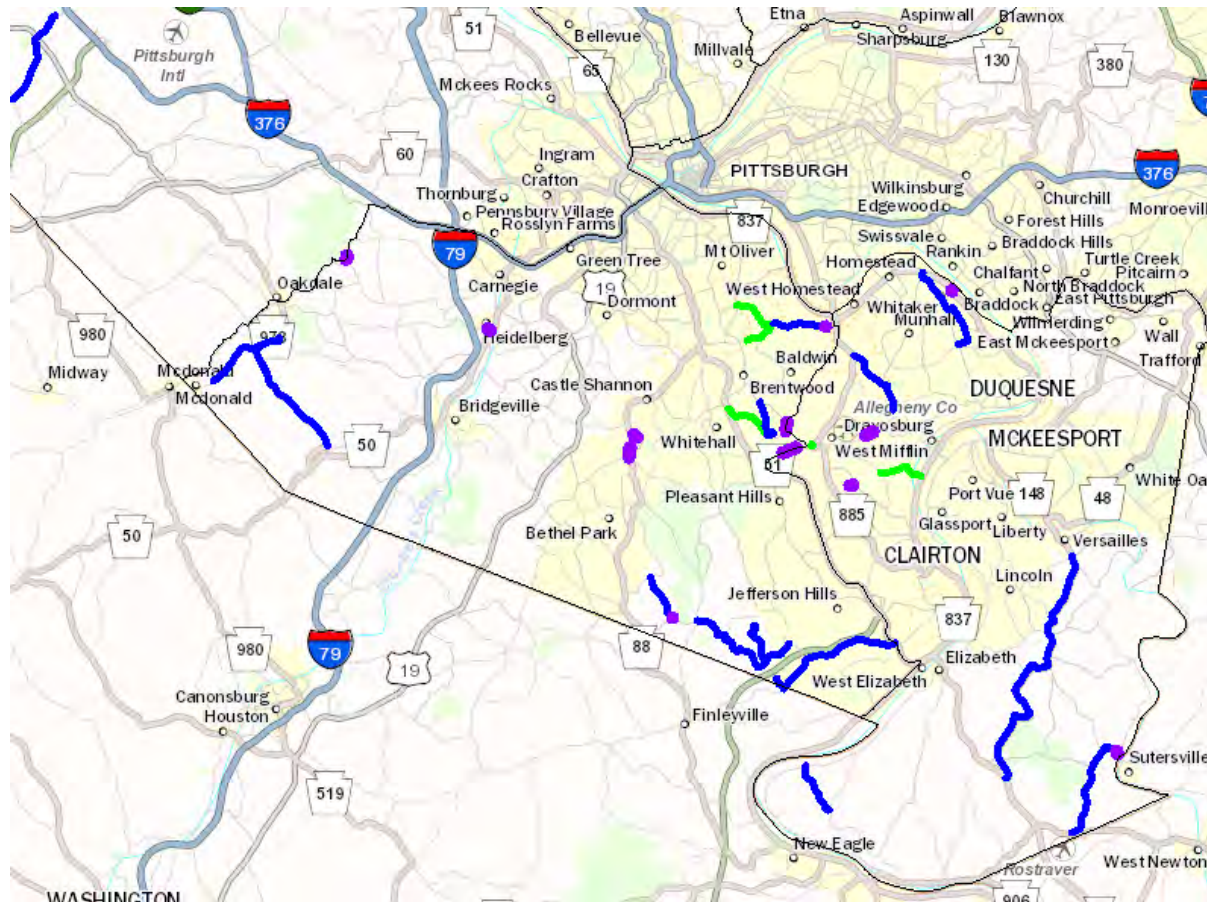
# Paving, Base Repair, Partial Depth Routes

Department Paving	
State Route	Road Name
48	Scenery Drive
51	51 Joints
79	79 Joints
88	Library Road
130	Center Joints
837	Lovedale Section Night Crew 91
885	885 Ramps
978	Battle Ridge Road
1020	Russellton/Doreseyville Road
2003	Church Hollow Road
2017	Long Hollow Road
2020	Douglas Run Road
2028	Ridge Rd
2032	Lewis Run Road
2034	Leb Sch/Phil Mur df pave 2019
2040	Lebanon Church Road
2041	E. Wilock Road
2045	Mifflin Road
2046	Streets Run Road
2047	Delwar Road

Department Paving	
State Route	Road Name
2049	Eliza/Eastman Road
3011	Stewart Road
3014	Piney Fork Road
3015	Snowden Road
3017	Gill Hall Road
3024	Robinson Run Road
3046	Doyle Road
3052	Hill Top Ellsworth Avenue
3054	Baldwin Road
3089	Washington Road
3089	Washington Road
3098	Glass Run Road
3098	Glass Run Road
3098	Agnew/Joseph Road
3100	Glass Run Road
4054	Freeport Road
8040	Route 8/Bakerstown Rap



# 2019 Paving, Base Repair, Mech Patch



Paving Total Tonnage

2019-53,774  
2018-49,298  
(Completed)



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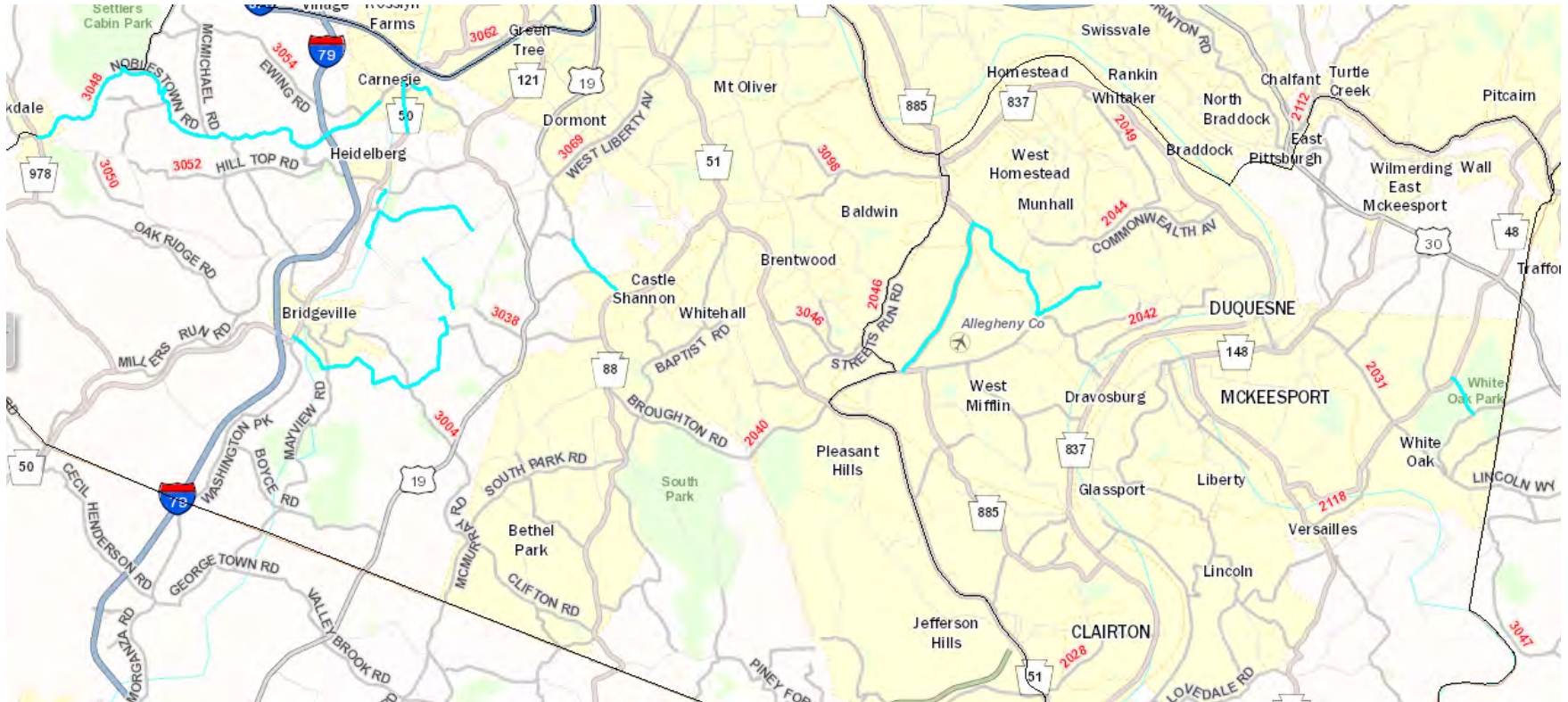


# 2019 Group Paving Routes

Group Job Paving	
State Route	Route Name
50	Washington Avenue
885	Lebanon Road
2033	McClintock Road
2045	Mifflin Road
2052	Thompson Run Road
3025	Old Washington Pike
3033	Scrubgrass Road
3034	Chartier/Lesnet/McMillan
3037	Castle Shannon Boulevard
3048	Noblestown Road
3048	Noblestown Road
3048	West Main Street
3048	West Main Street
3056	Chestnut/Forsythe Road
3119	McFarland Road



# 2019 Group Job Paving





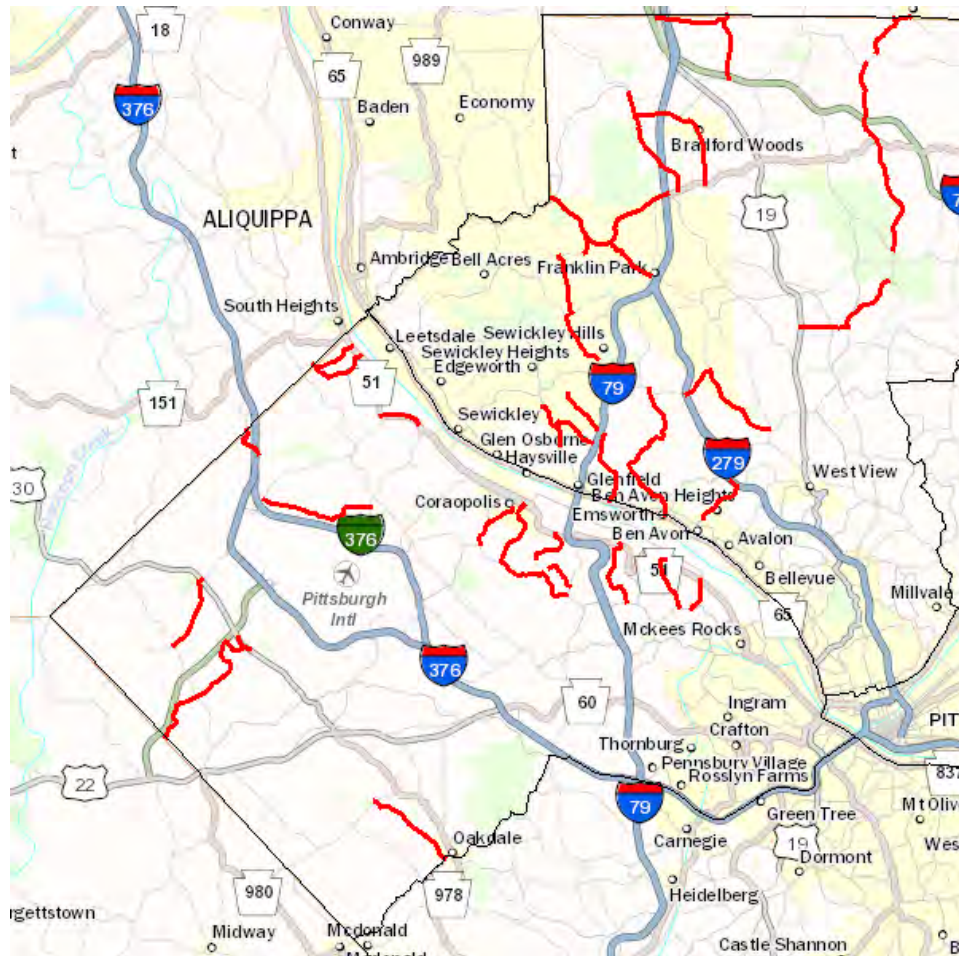
# 2019 Seal Coat Routes

Seal Coat	
State Route	Road Name
51	Route 51
3057	Whittengale Road
3074	Hassam Road
3078	Burgettstown Road
3079	Maple Street
3080	Burgettstown Road
3081	Montour Street
3083	South Petrie Road
3084	Economy Grade Road
3088	Hookstown Grade Road
3089	Washington Road
3090	Moon Clinton Road
3091	Herbst Road
3093	Ewing Road
3094	Bocktown Road
3095	Neville Road
3096	Harper Road
4011	Rochester Road
4021	Ben Avon Hts Road
4022	Mt Nebo Rd to Reis Run Road
4024	Cumberland Road
4030	Ferry Road
4031	Babcock Blvd

SealCoat	
State Route	Road Name
4033	Merriman / Center
4035	Long / Hartle Road
4039	Audubon / Henry Road
4043	Camp Meeting Road
4051	Mingo Road
4052	Pleasant Hill / Warrendale Bayne Road
4054	Freeport Road
4057	Locust / Roosevelt Road
4059	Mars Valencia Road
4061	Franklin Road
4080	Duff / Toms Run Road
Agility	Hart Drive (Crescent Township)
Agility	Anderson Street (Crescent Township)
Agility	Florence Drive (Crescent Township)
Agility	Locust Street (Crescent Township)
Agility	Shady Drive (Crescent Township)
Agility	Margaret Drive (Crescent Township)
Agility	Valleyview Drive (Crescent Township)




2019 Seal Coat



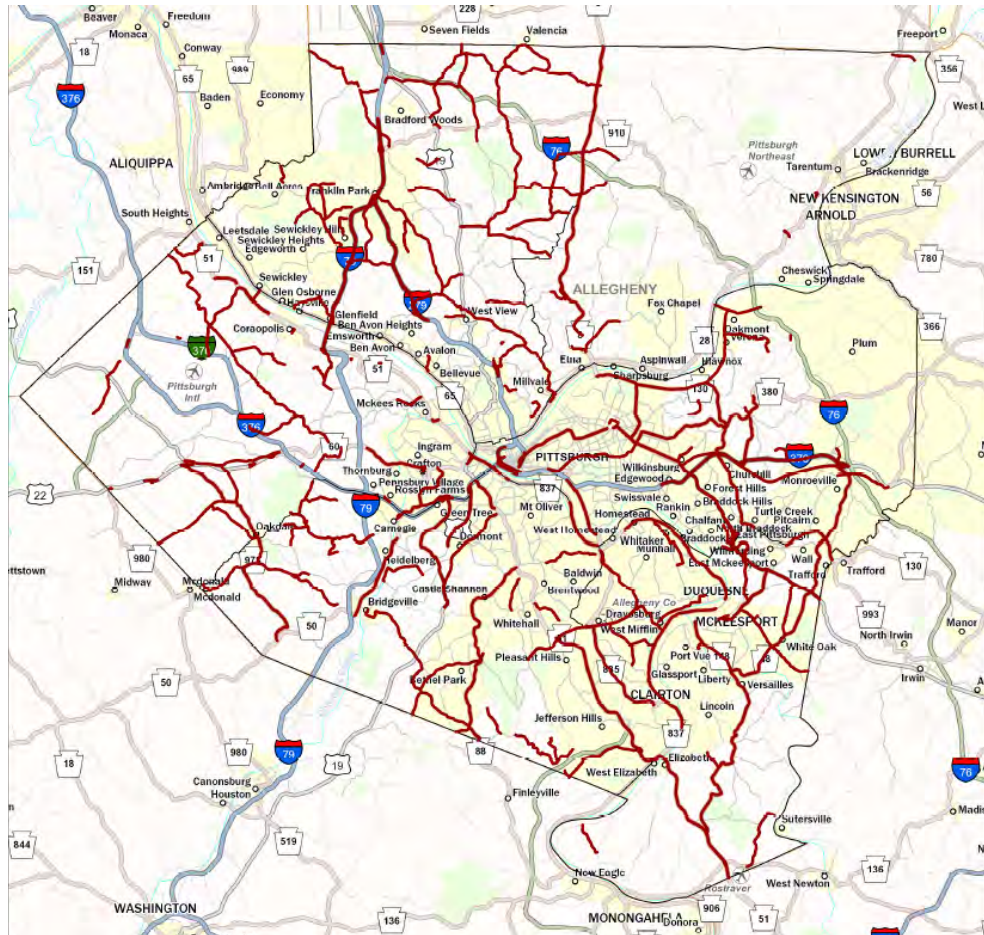
## 2019:

- 276,650 Gallons of oil
- 9,740 tons of stone

 Seal Coat

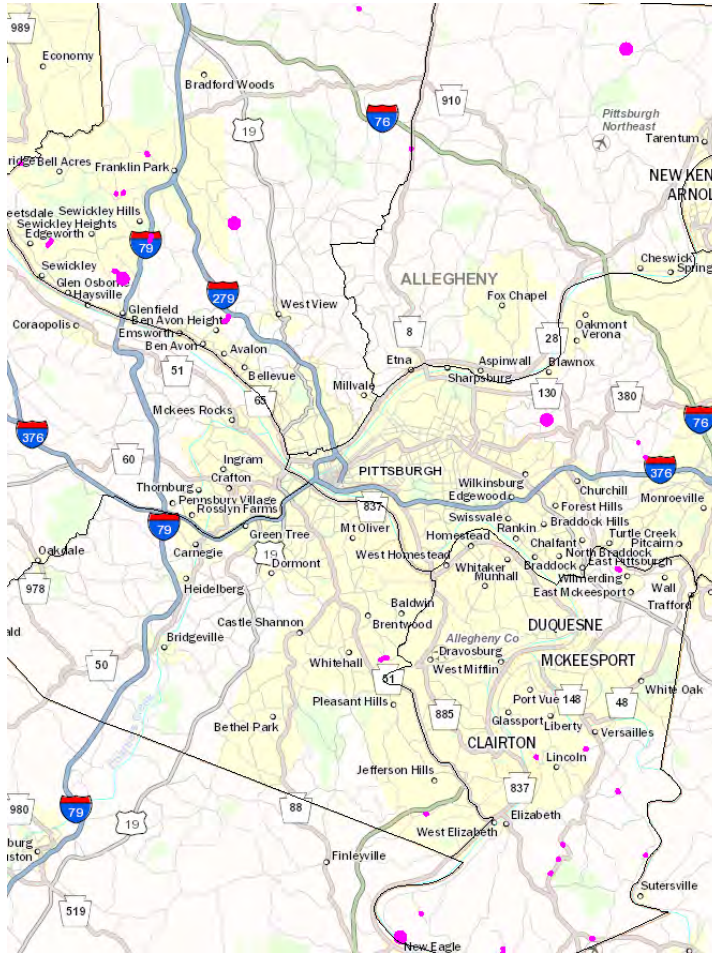


# 2019 Crack Sealing





# 2019 Geotech Crew Slides





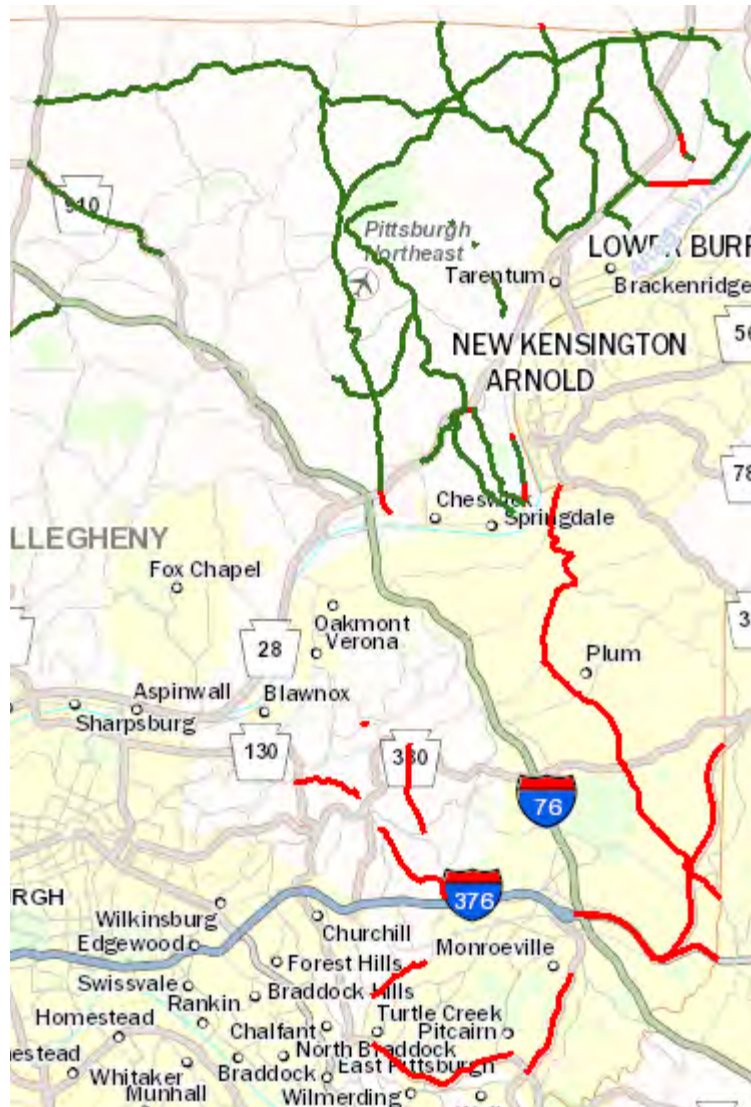
# 2019 Geotech Locations

State Route	Road Name
8	Rt 8 between McNeal & Turnpike
48	Scenery Drive Segment 20
48	Scenery Drive Segment 30
48	Washout near Happy Hollow
136	Rainbow Run Road
136	West Newton Road
1028	Bakerstown Road
1028	Bakerstown Road
2001	Bunola River Road
2001	Lincoln Boulevard
2003	Church Hollow Road
2009	Sunnyside Hollow
2017	Slide near horseshoe on Blysthe Dale
2017	Blythedale Road
2018	West Smithfield Street (Wall Reset)

State Route	Road Name
2026	Kline Avenue
2028	Ridge Road
2041	East Willock Road
2046	Street Run Road
2058	Verona Road
2063	Frey Road
4011	Rochester Road
4021	Ben Avon Heights Road
4030	Ferry Road
4034	Little Sewickley Road
4036	Big Sewickley Creek Road
4037	Way Hollow Road
4039	Henry Road
4043	Red Mud Hollow
4076	Valencia Road



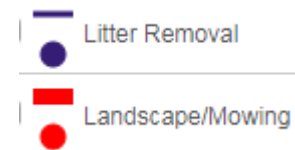
# 2019 Shoulder Cut/Side Dozing



- Side Dozing
- Shoulder Cut



# 2019 Litter/Landscape Crew





# Historical Litter Cleanups

## Department Force Yearly Cost

Year	Hours Completed	Total Cost with Crew/Equipment/Material
2016	44,235	\$ 2,235,344.00
2017	30,031	\$ 1,537,446.00
2018	10,865	\$ 535,743.00

- Department Force: Year Round Cleanups
- Specialty Crew: April-October
- Sponsor-A-Highway (Contractor): March-November
- Adopt-A-Highway (Volunteer): Twice yearly, primarily April-October



# Allegheny County Contact Information

County Office Phone Number: 412-781-3260

**Lori Musto**

County Maintenance Manager

**Dean Schmitt**

Principal Assistant County Maintenance Manager



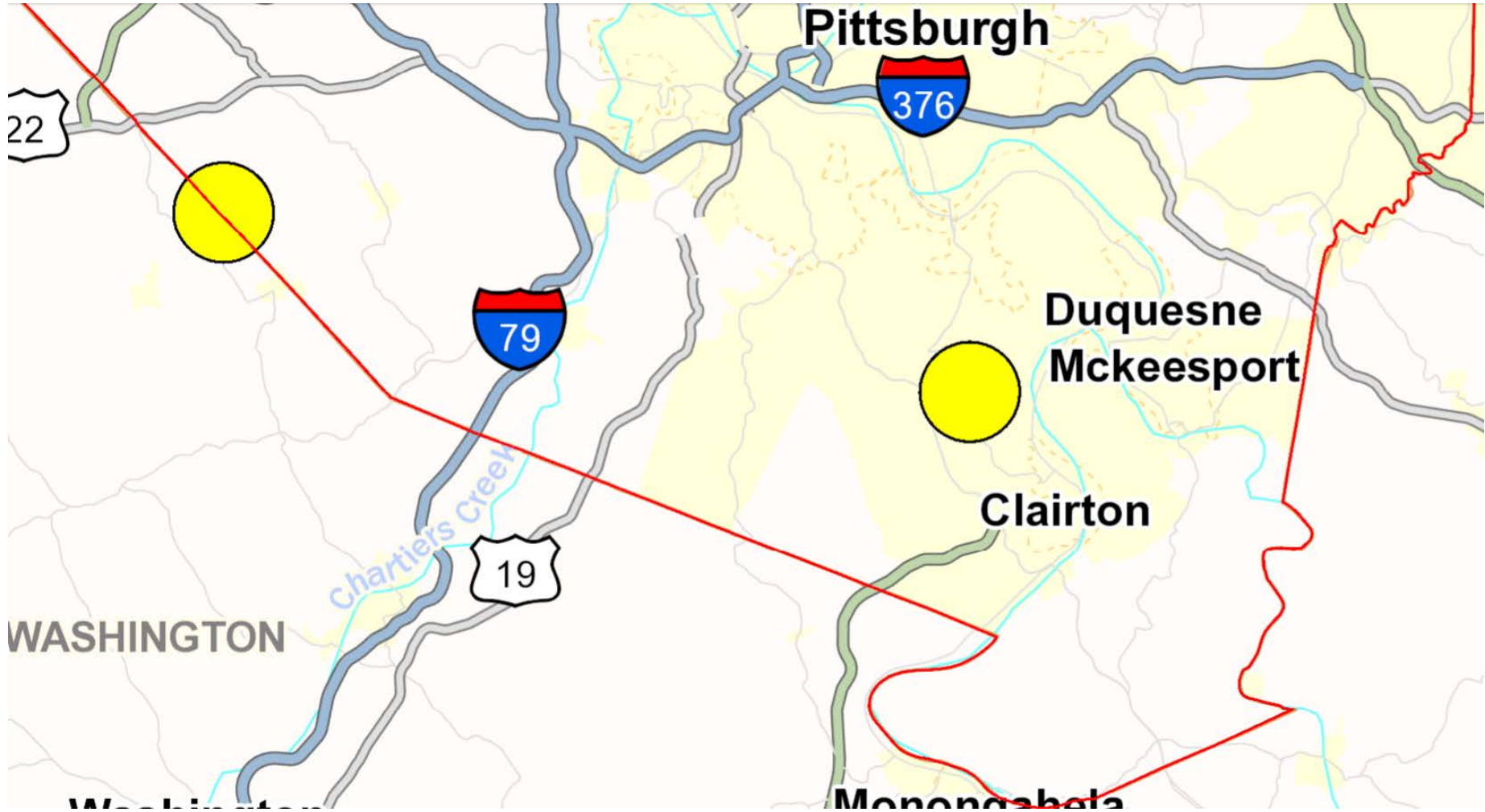
# Bridge Maintenance Crews

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





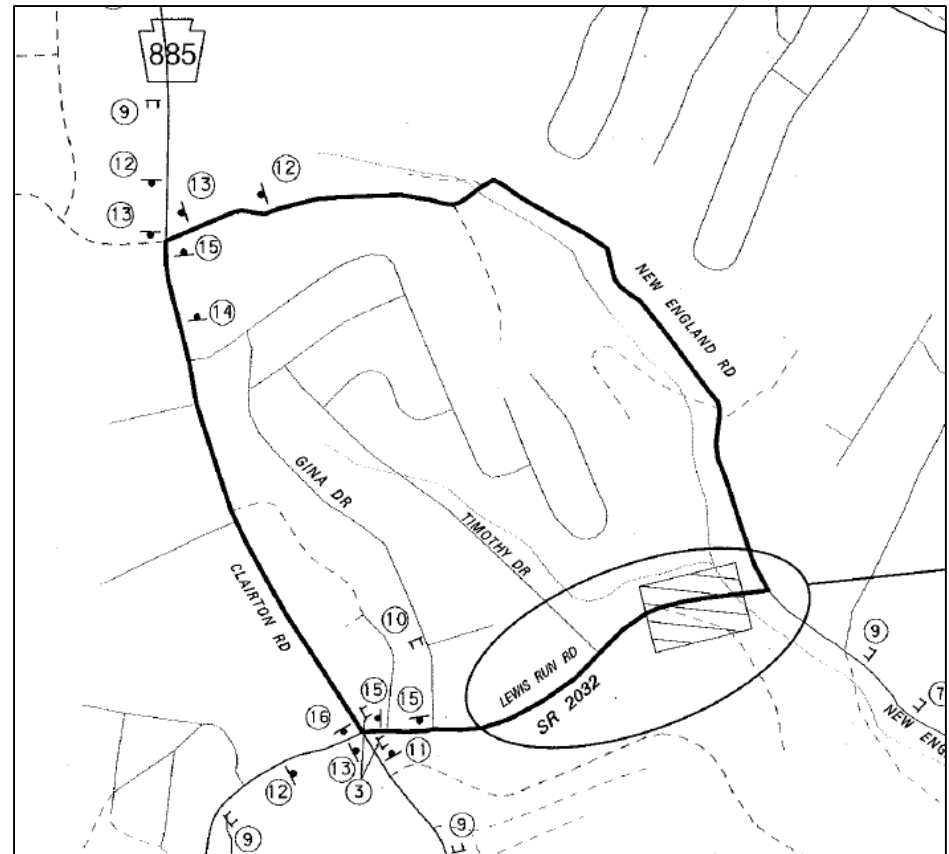
# 2019-2020 Bridge Work Locations





# SR 2032 Lewis Run Road

- **West Mifflin Borough –**  
Lewis Run Road (SR2032)  
over Pine Run Creek
  - Two Culvert Replacements
  - Long-term Closure





# Bridge Work Planned Sites

- **North Fayette Township** – Valley Road (SR3049) over North Branch of Robinson Run
  - Wingwall Replacement
  - Long-term Single Lane Restriction



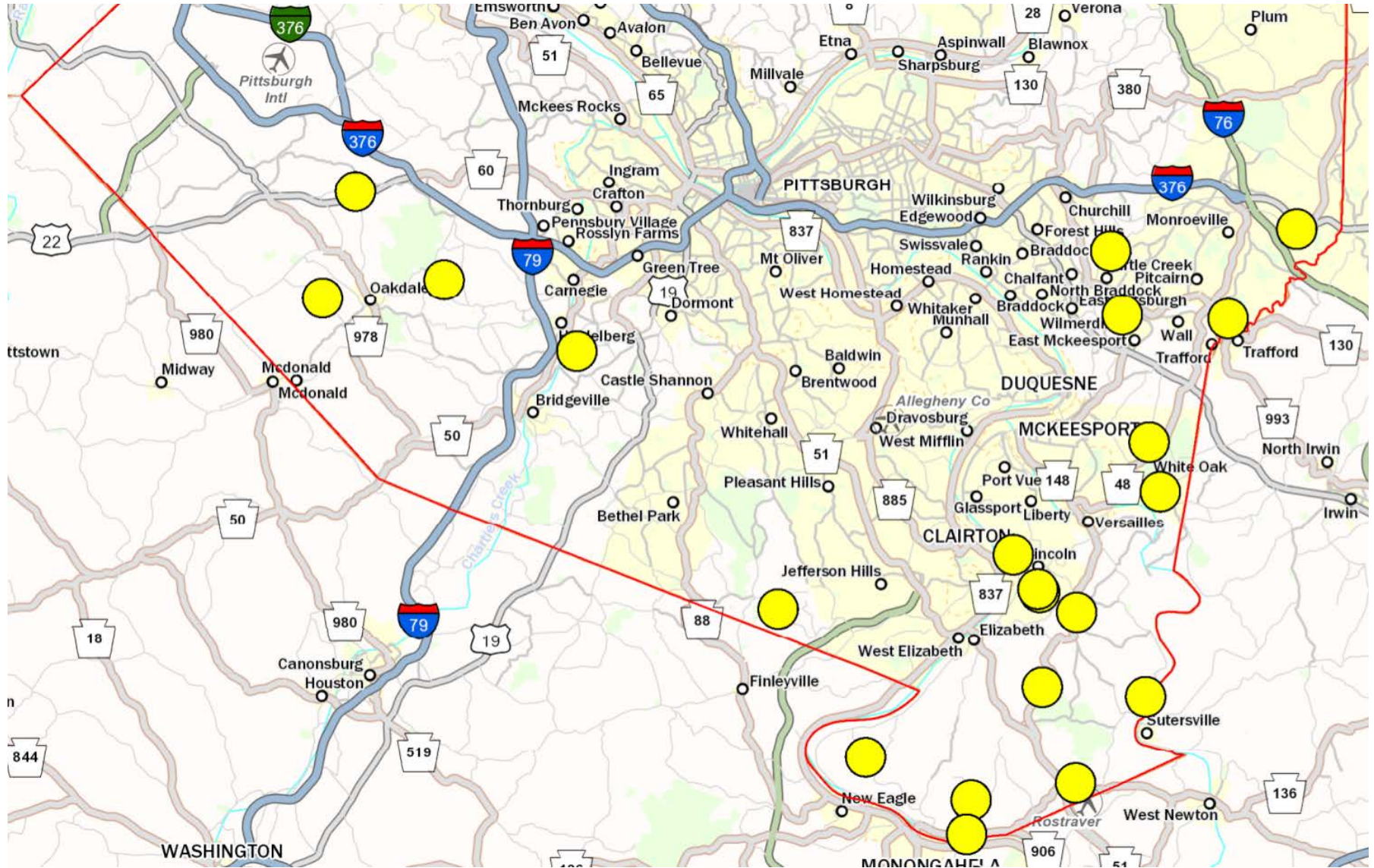


# Landslide Repairs



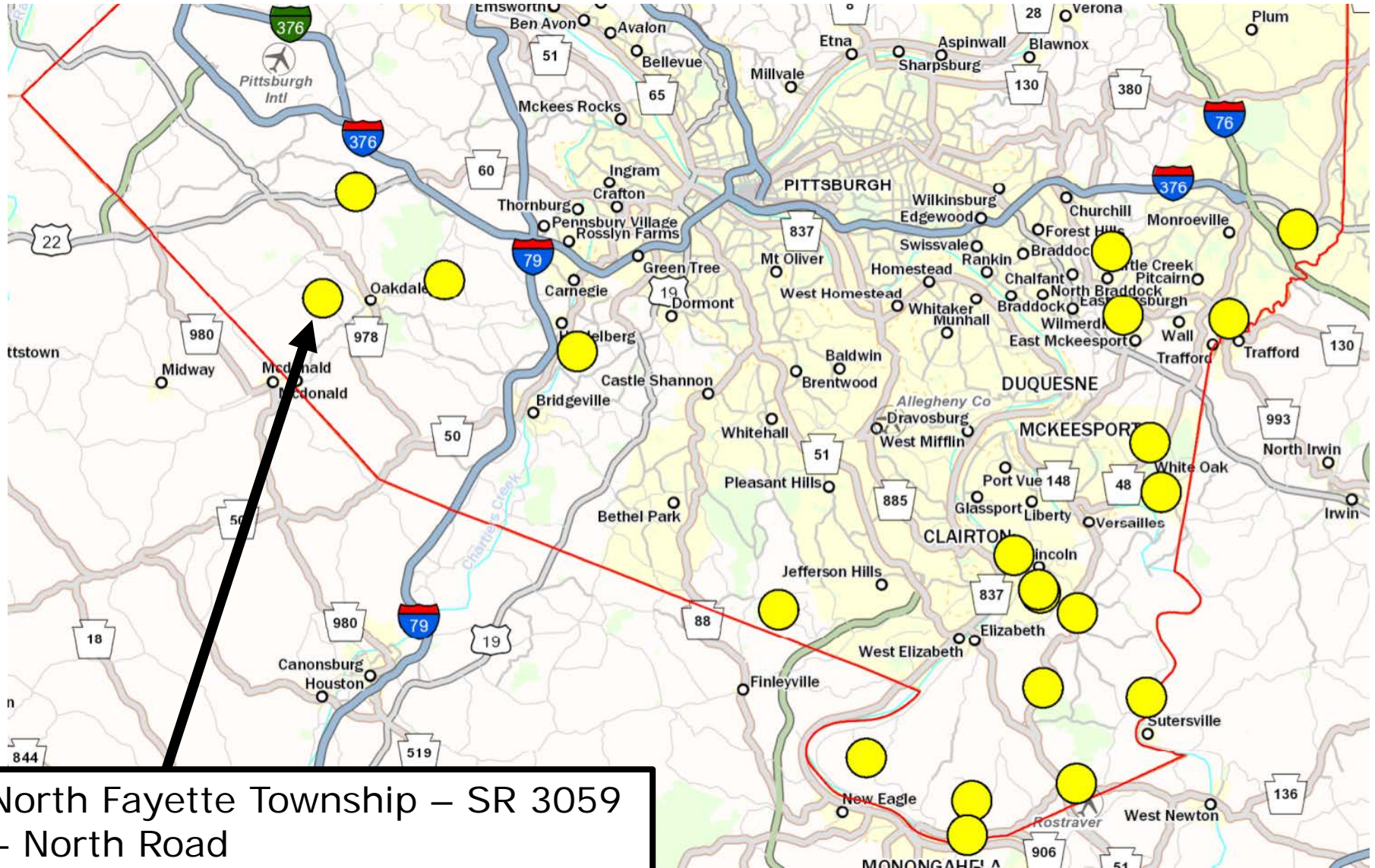


# 2019-2020 Landslide Repair Locations



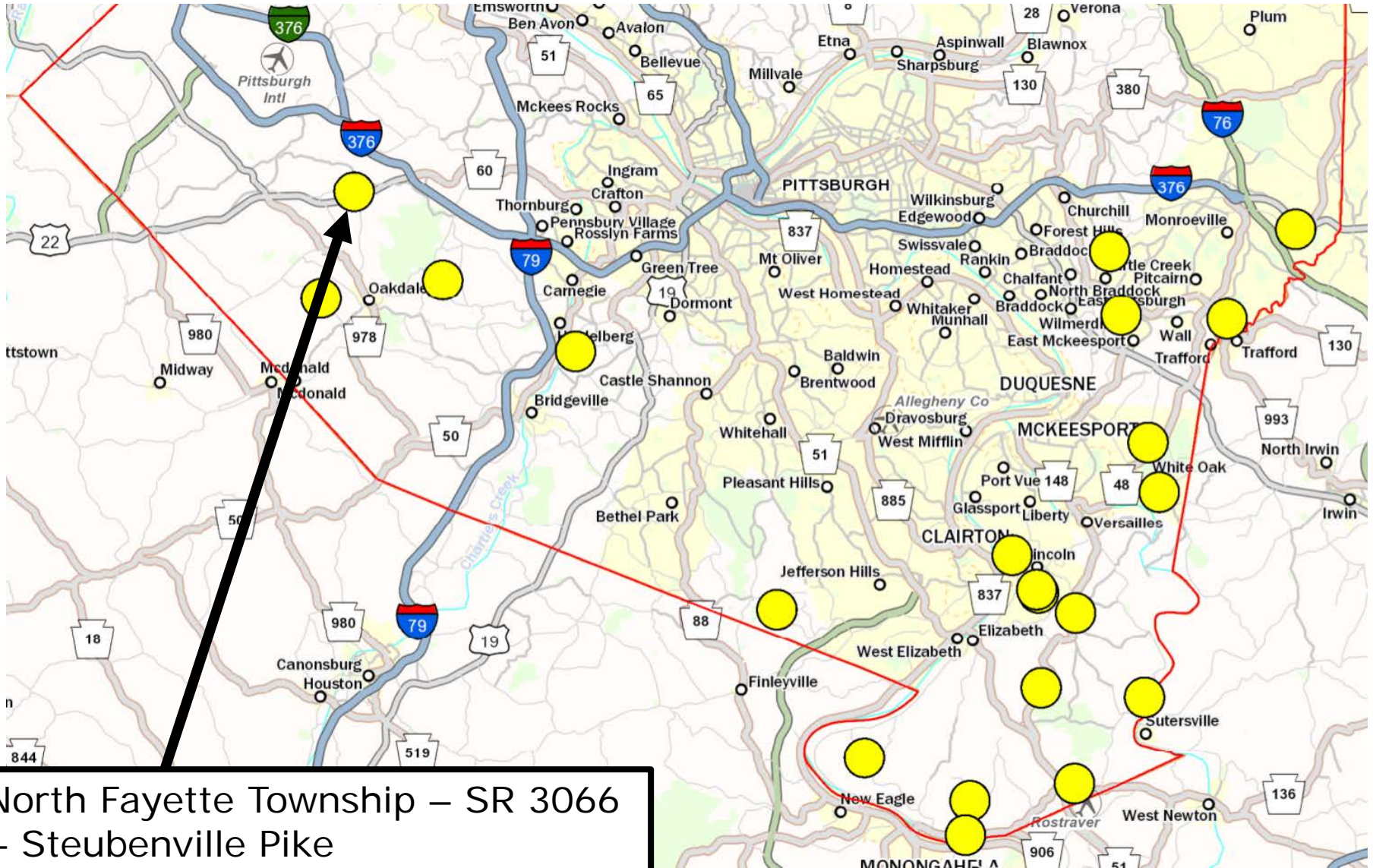


# 2019-2020 Landslide Repair Locations



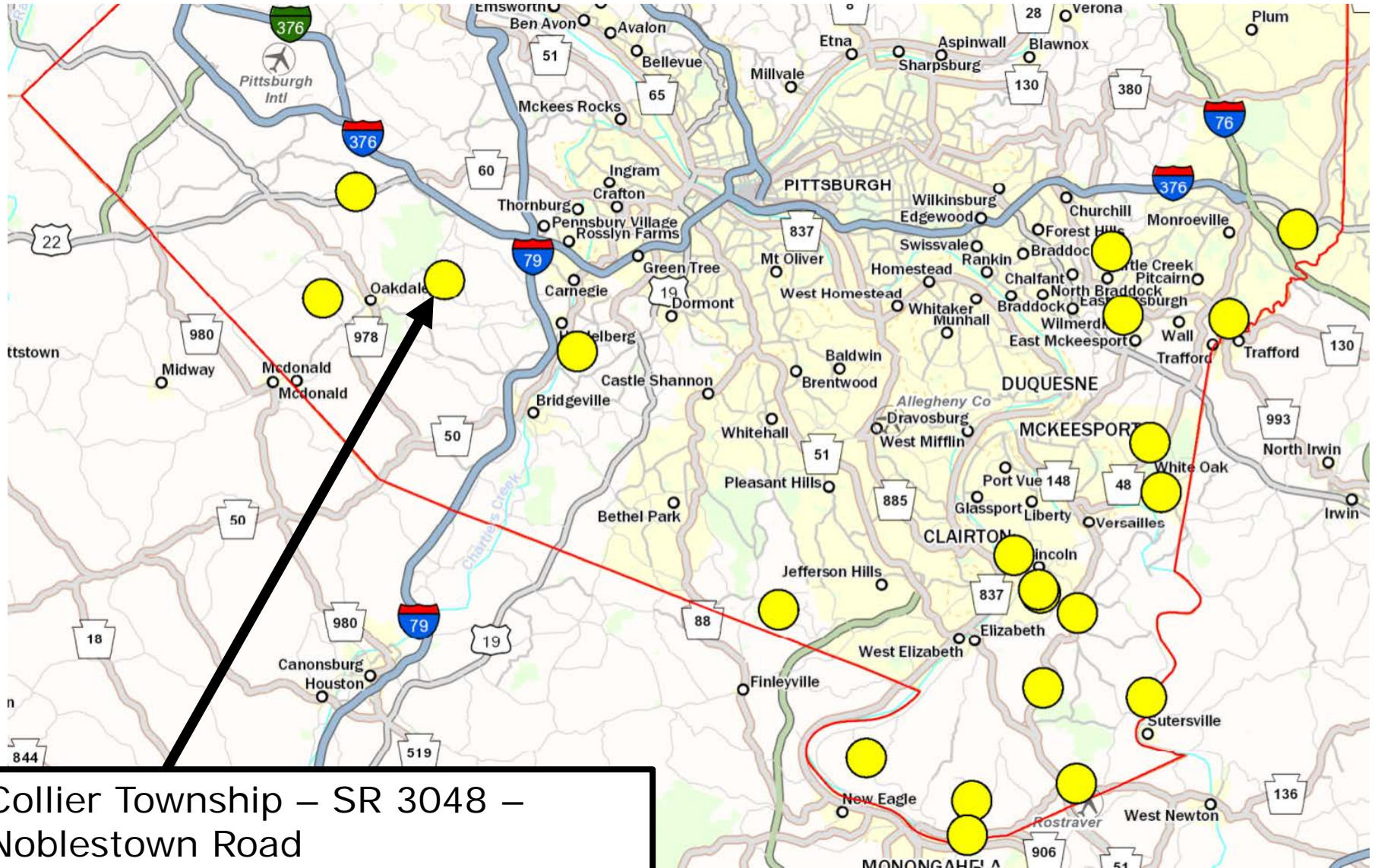


# 2019-2020 Landslide Repair Locations



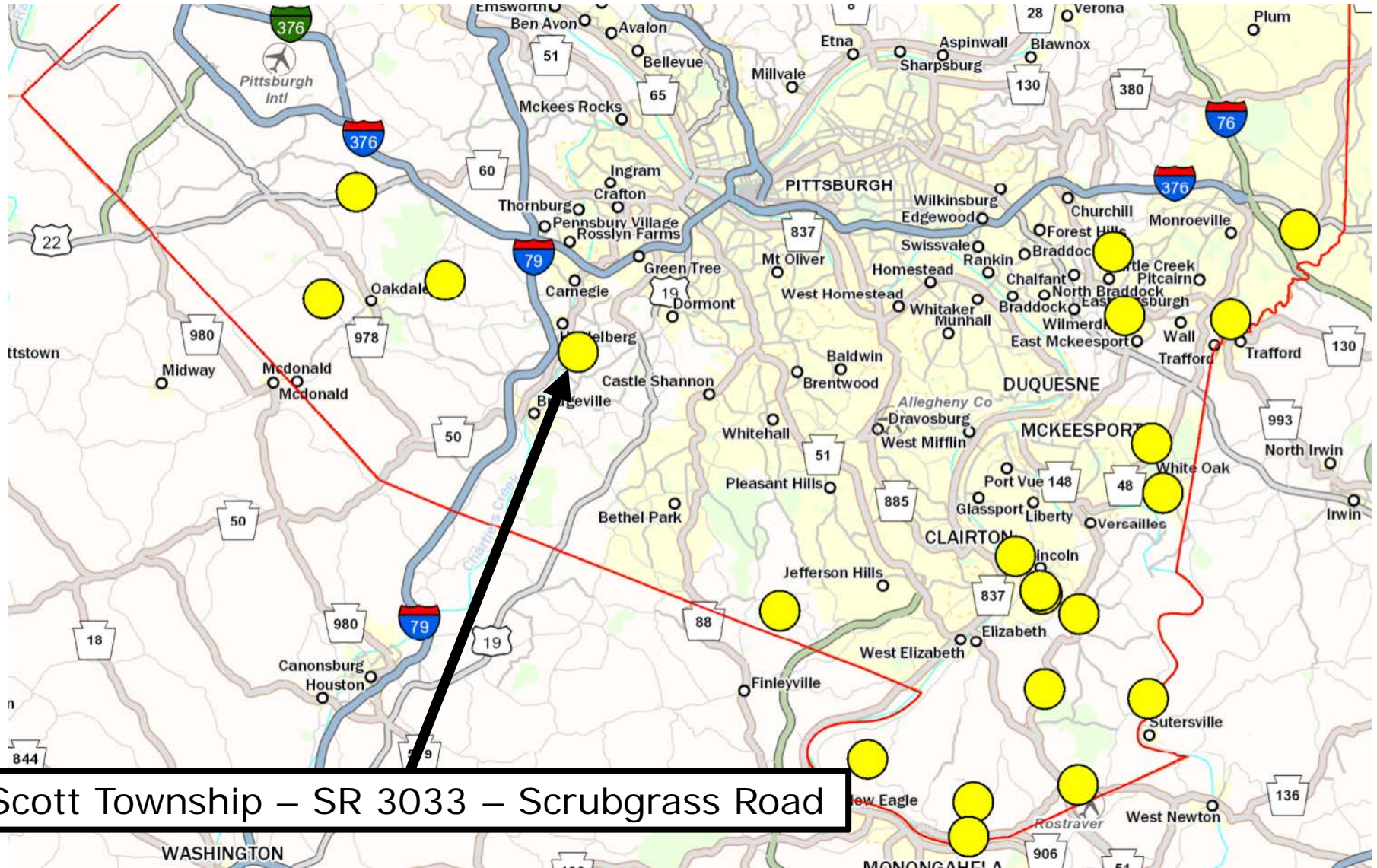


# 2019-2020 Landslide Repair Locations



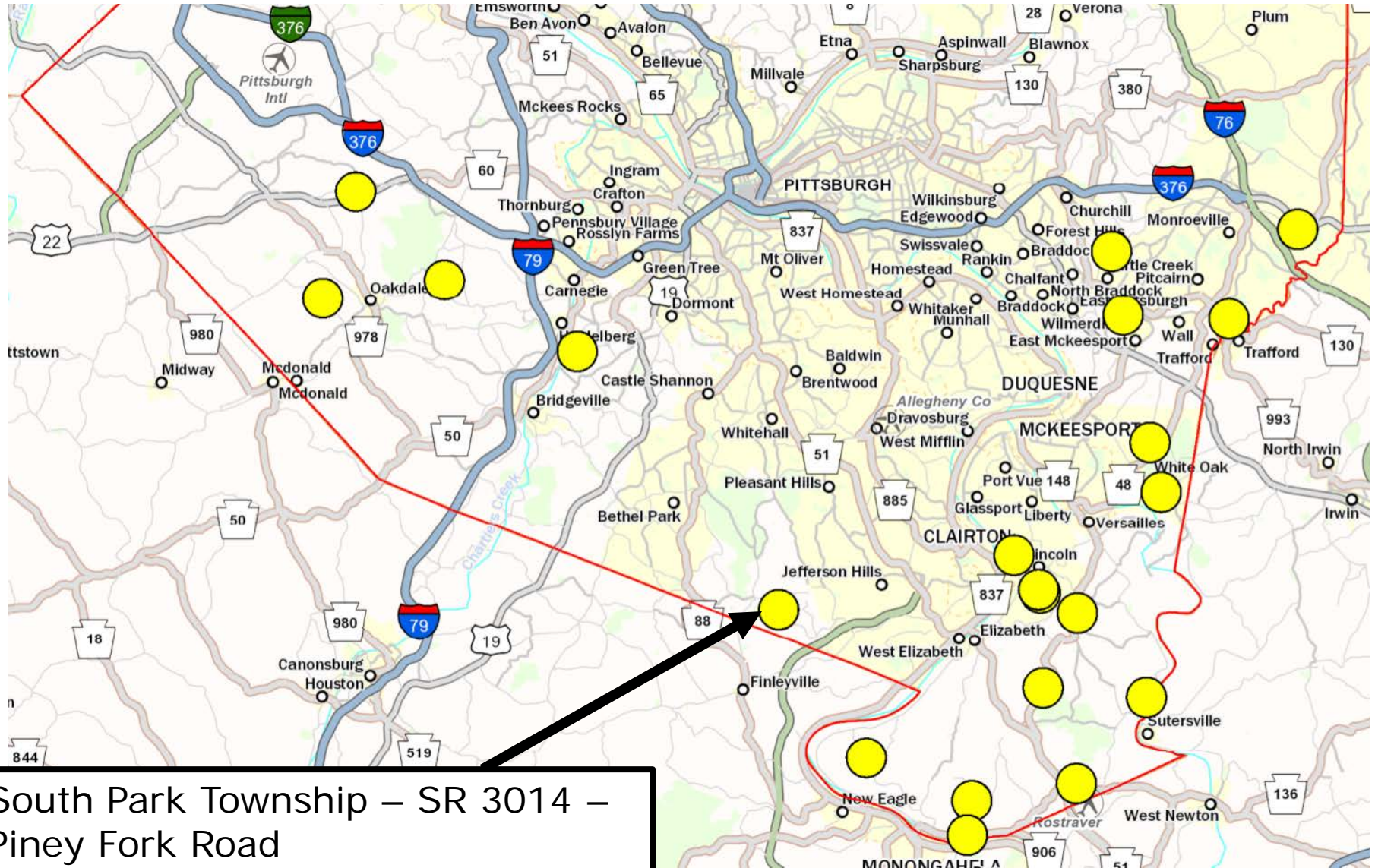


# 2019-2020 Landslide Repair Locations



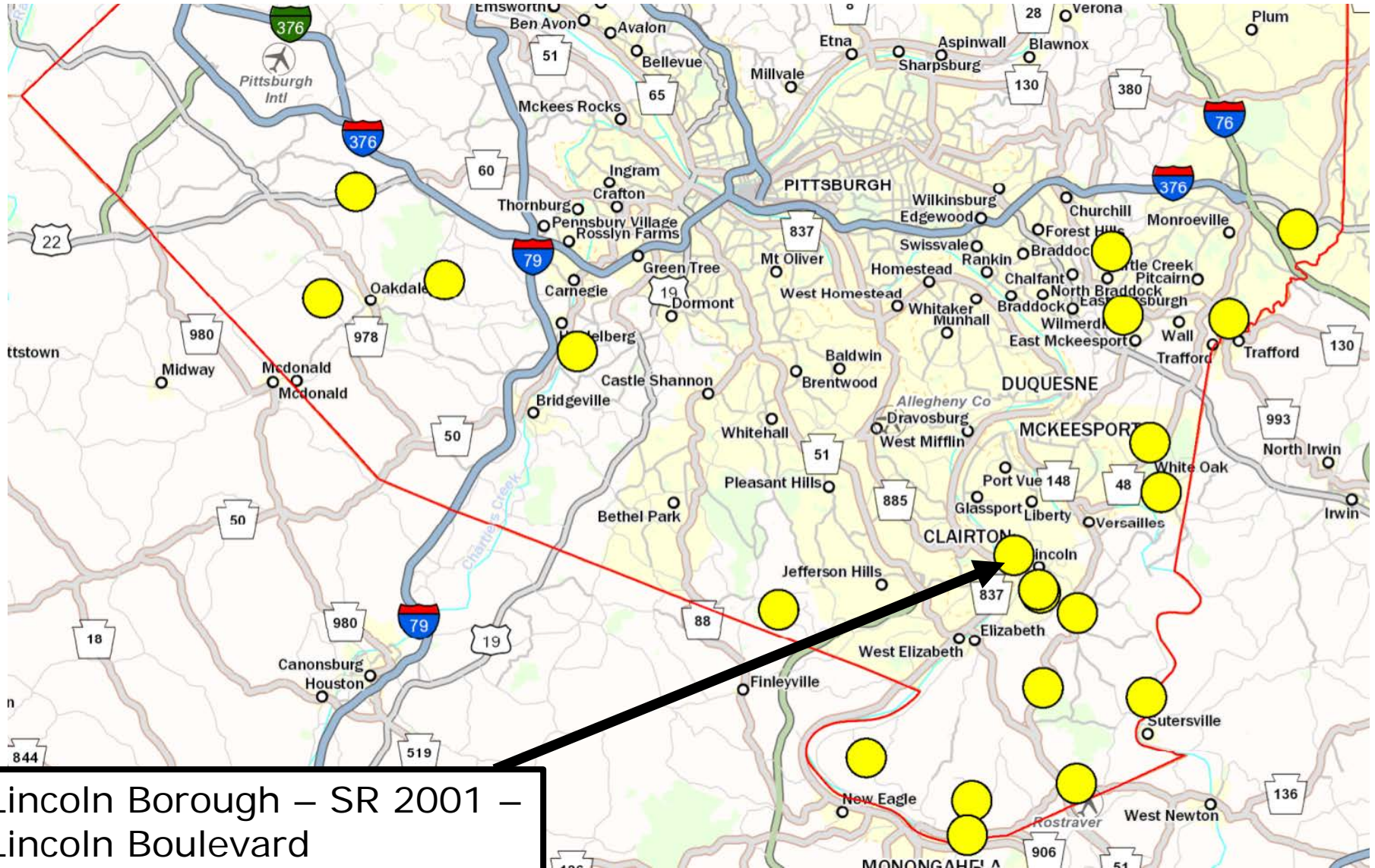


# 2019-2020 Landslide Repair Locations



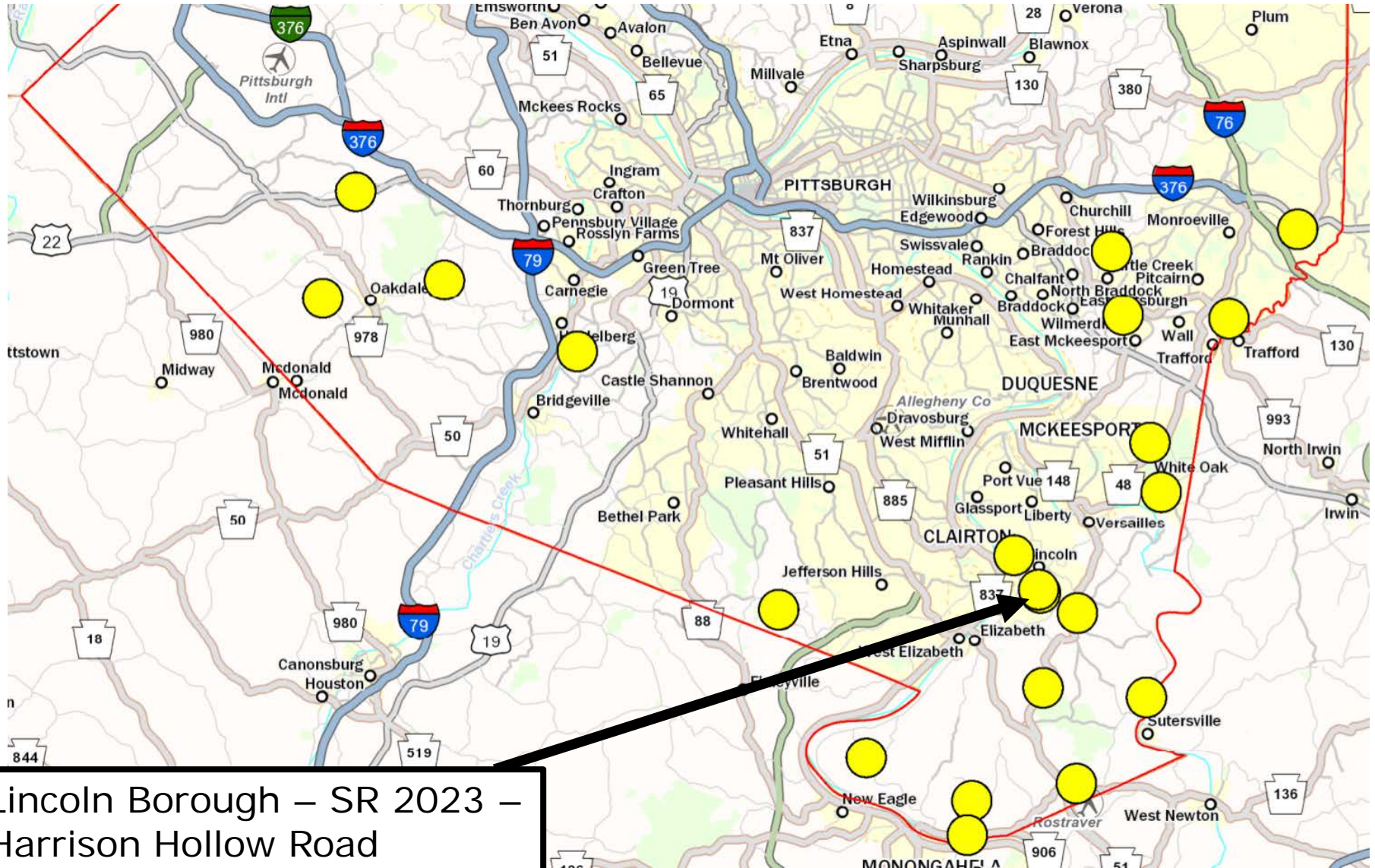


# 2019-2020 Landslide Repair Locations



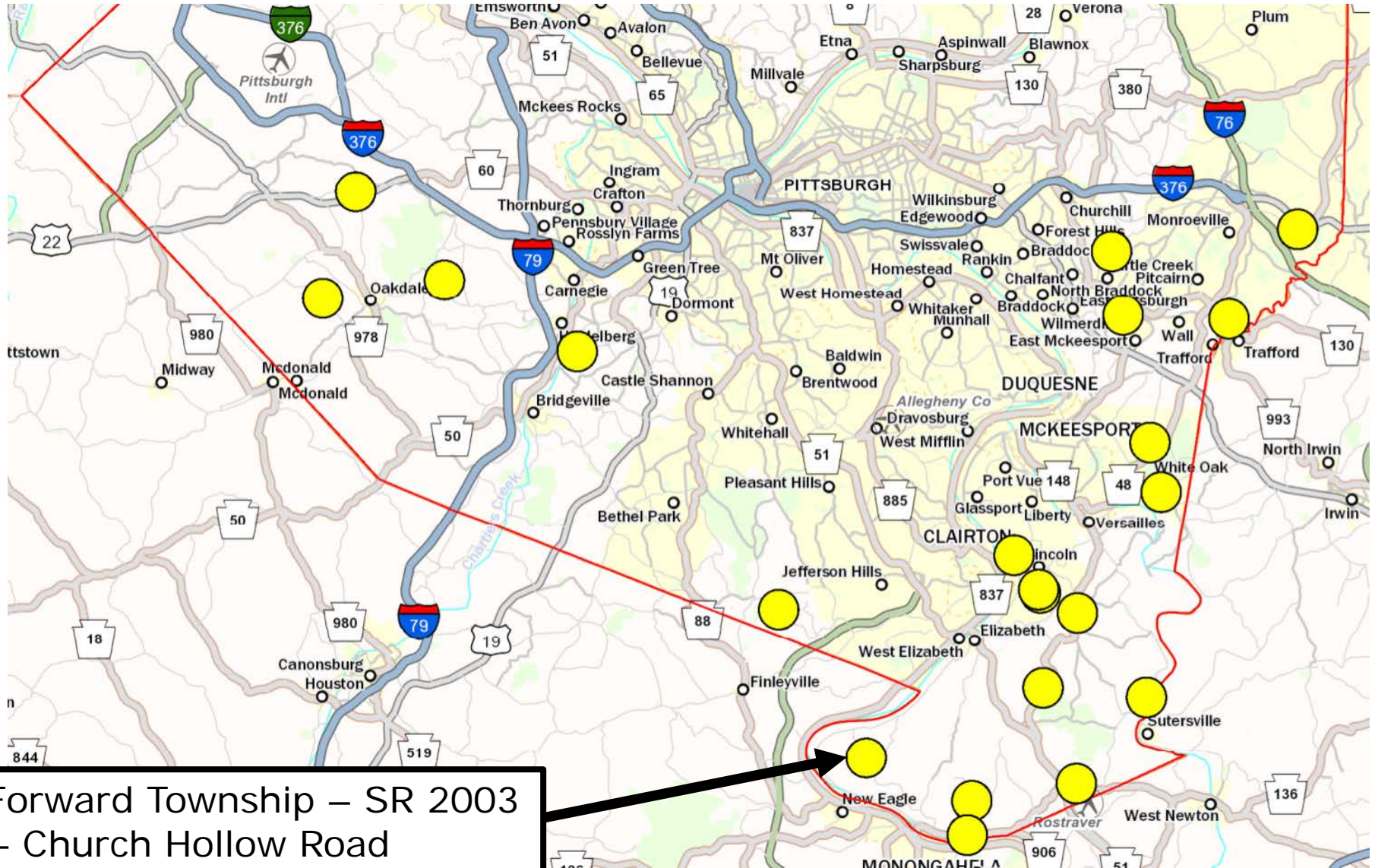


# 2019-2020 Landslide Repair Locations



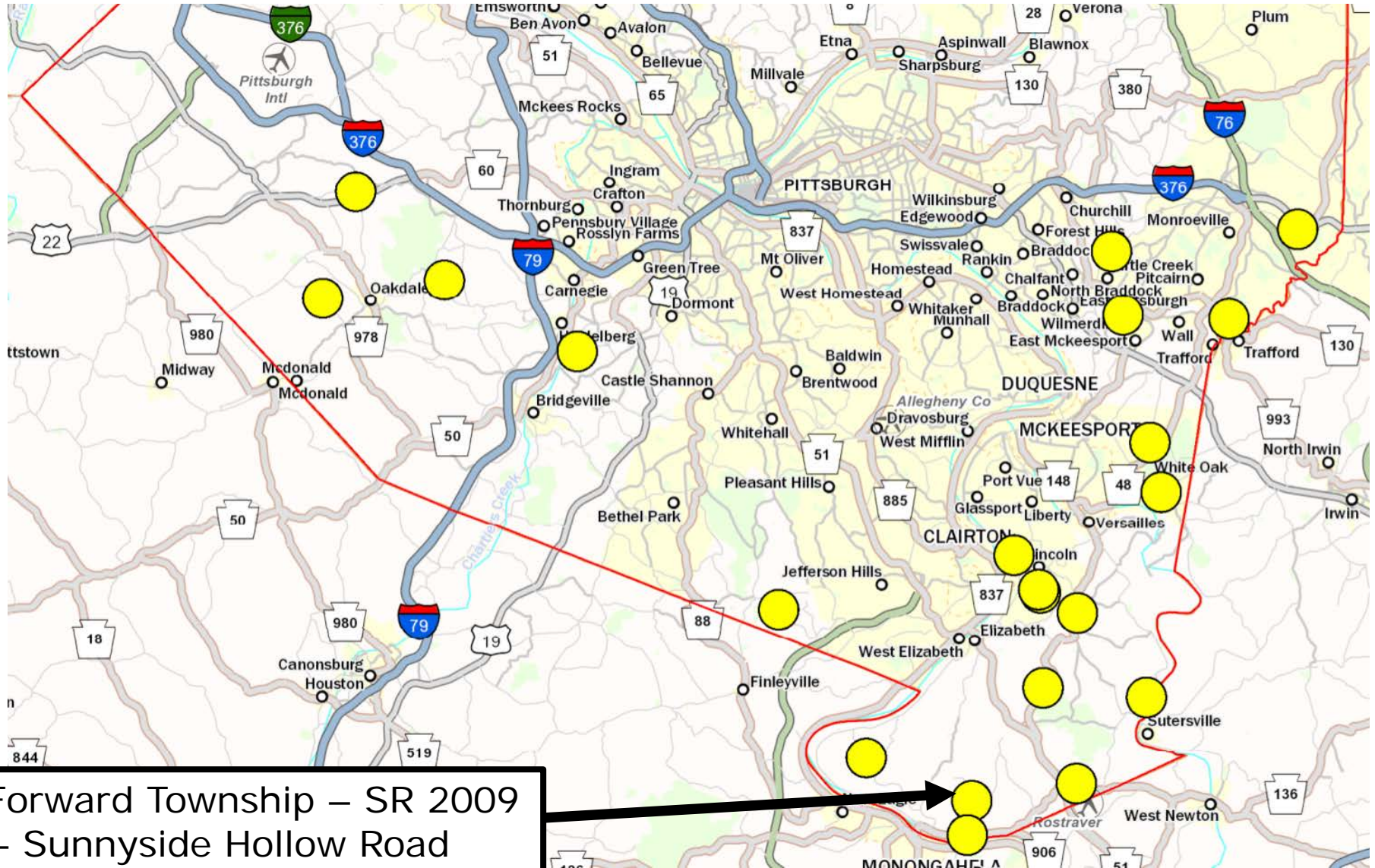


# 2019-2020 Landslide Repair Locations



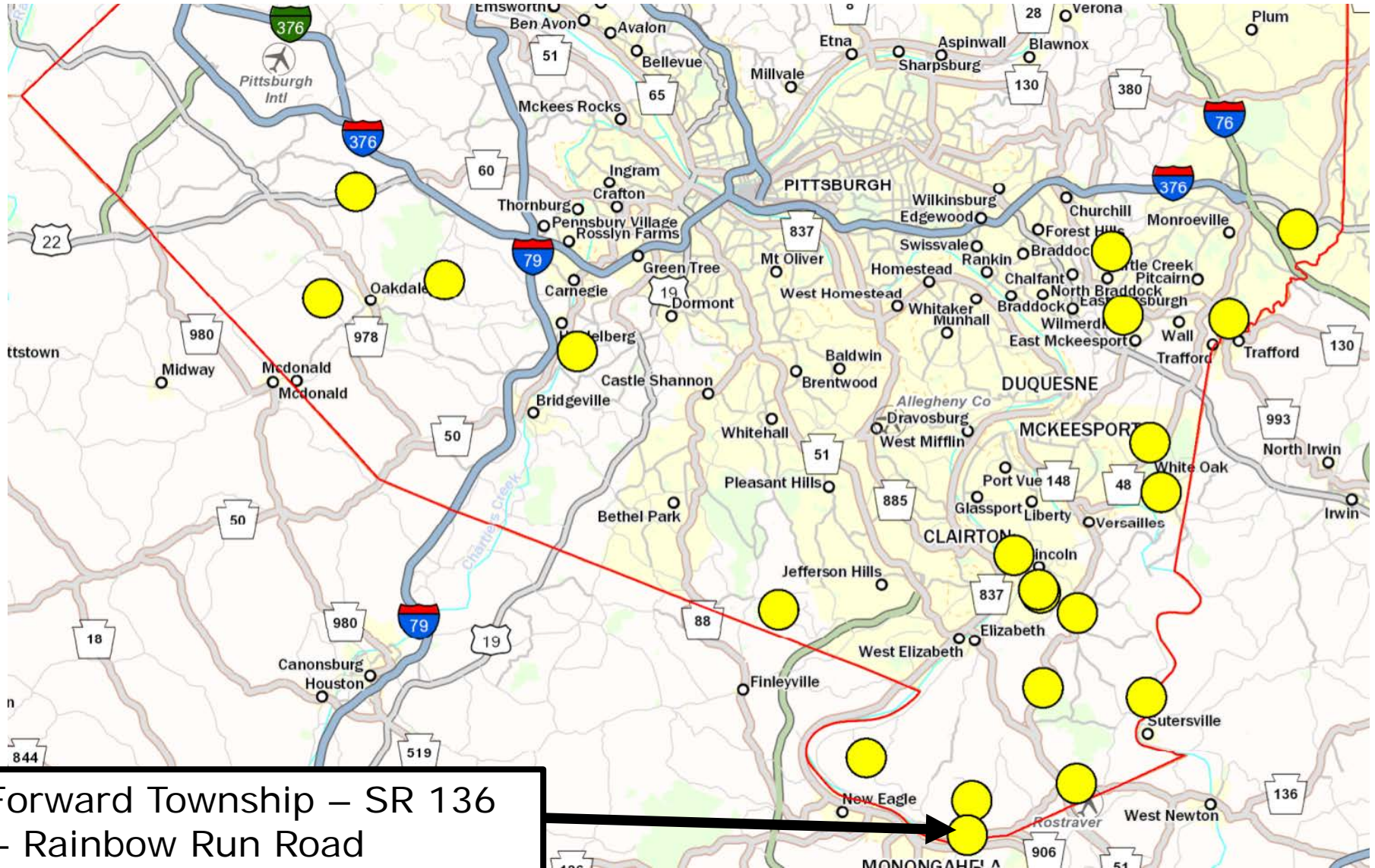


# 2019-2020 Landslide Repair Locations



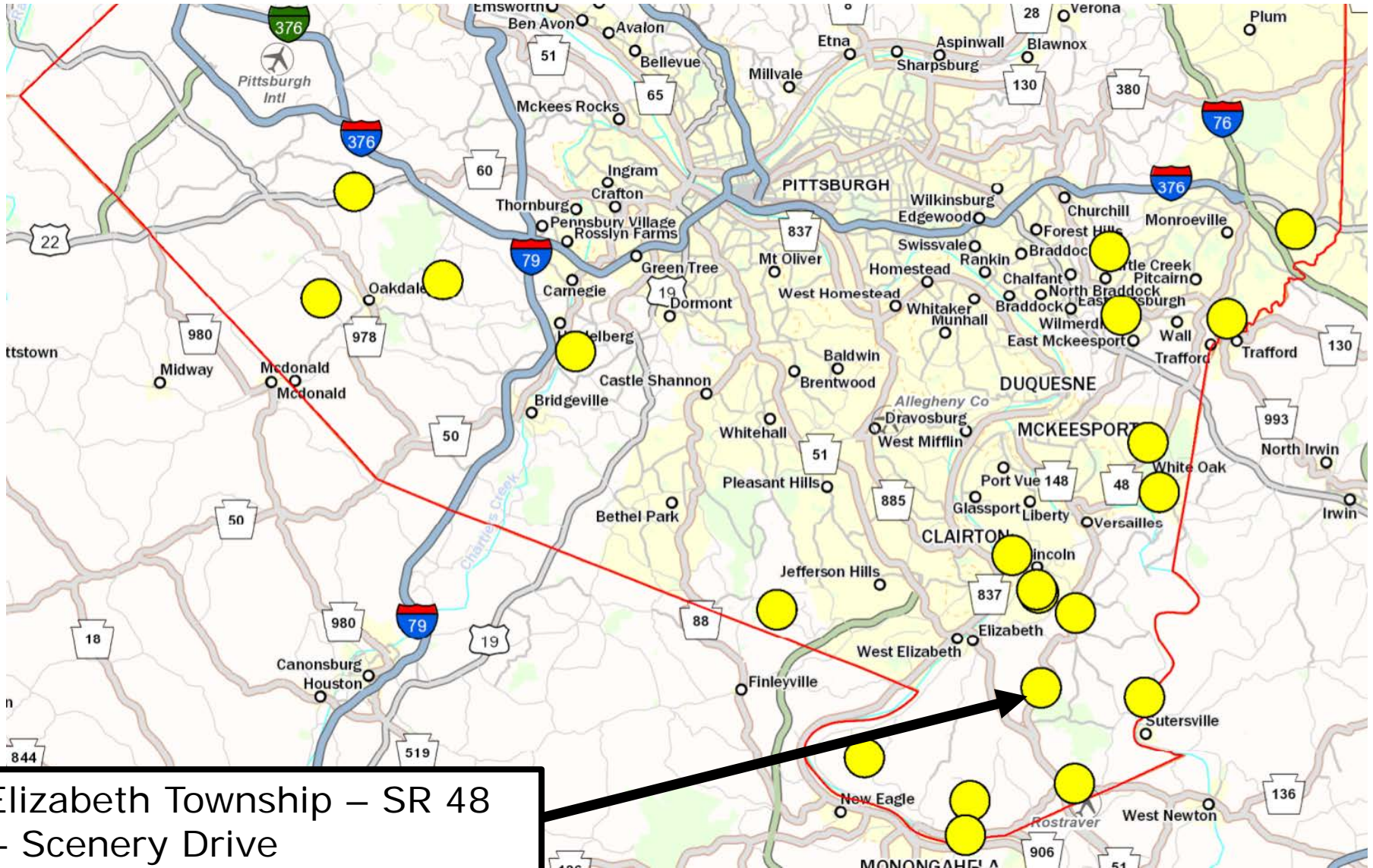


# 2019-2020 Landslide Repair Locations



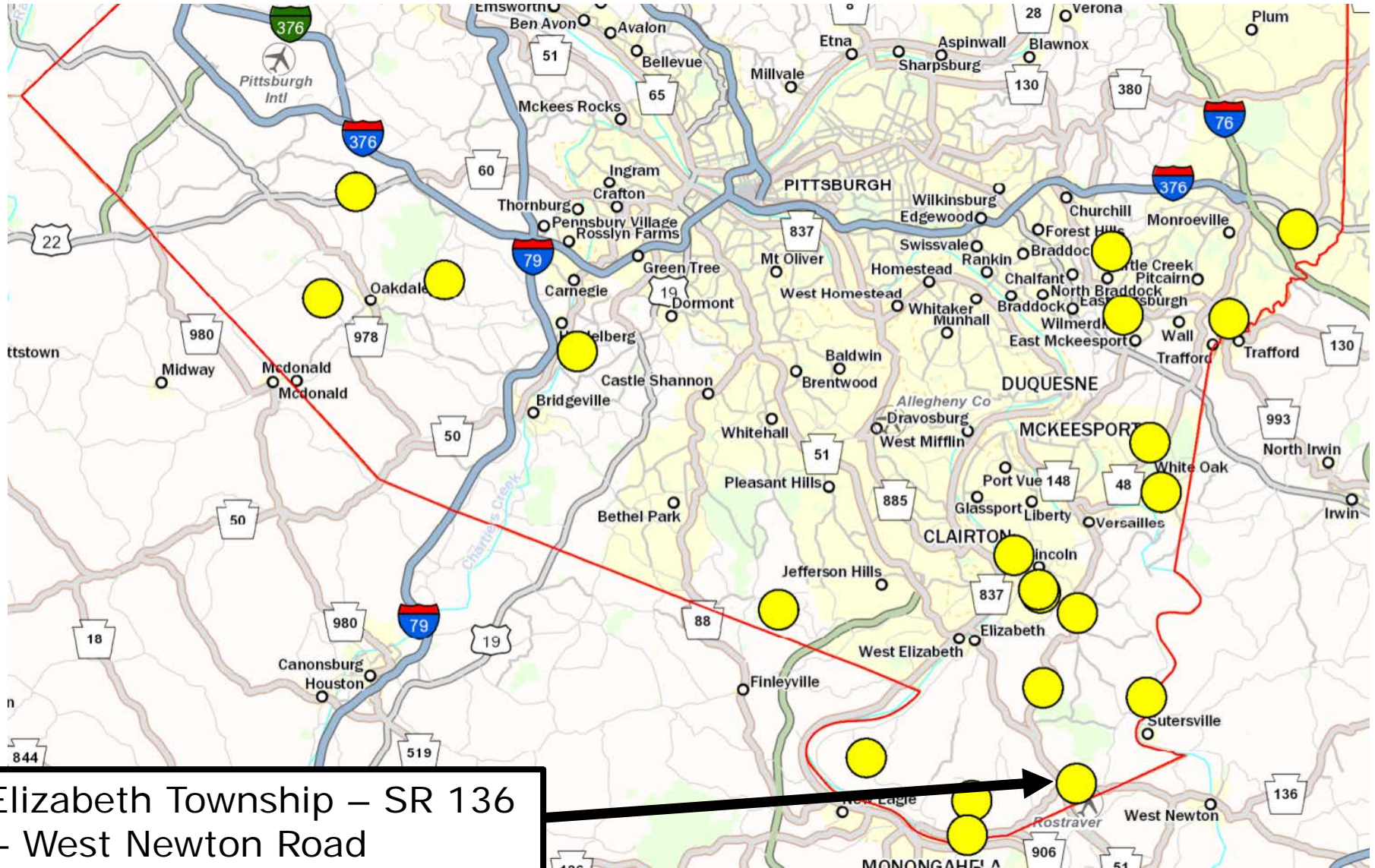


# 2019-2020 Landslide Repair Locations



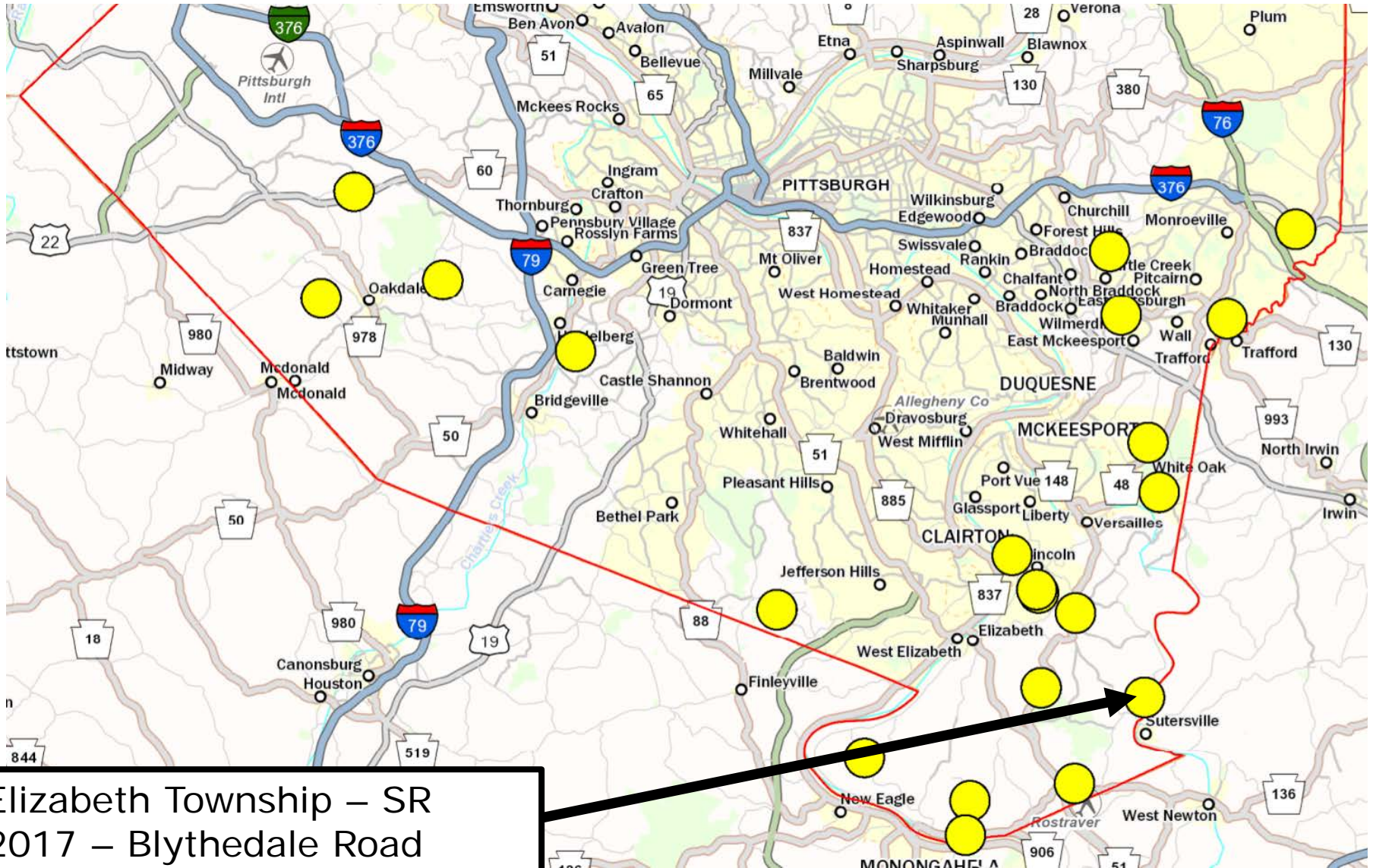


# 2019-2020 Landslide Repair Locations



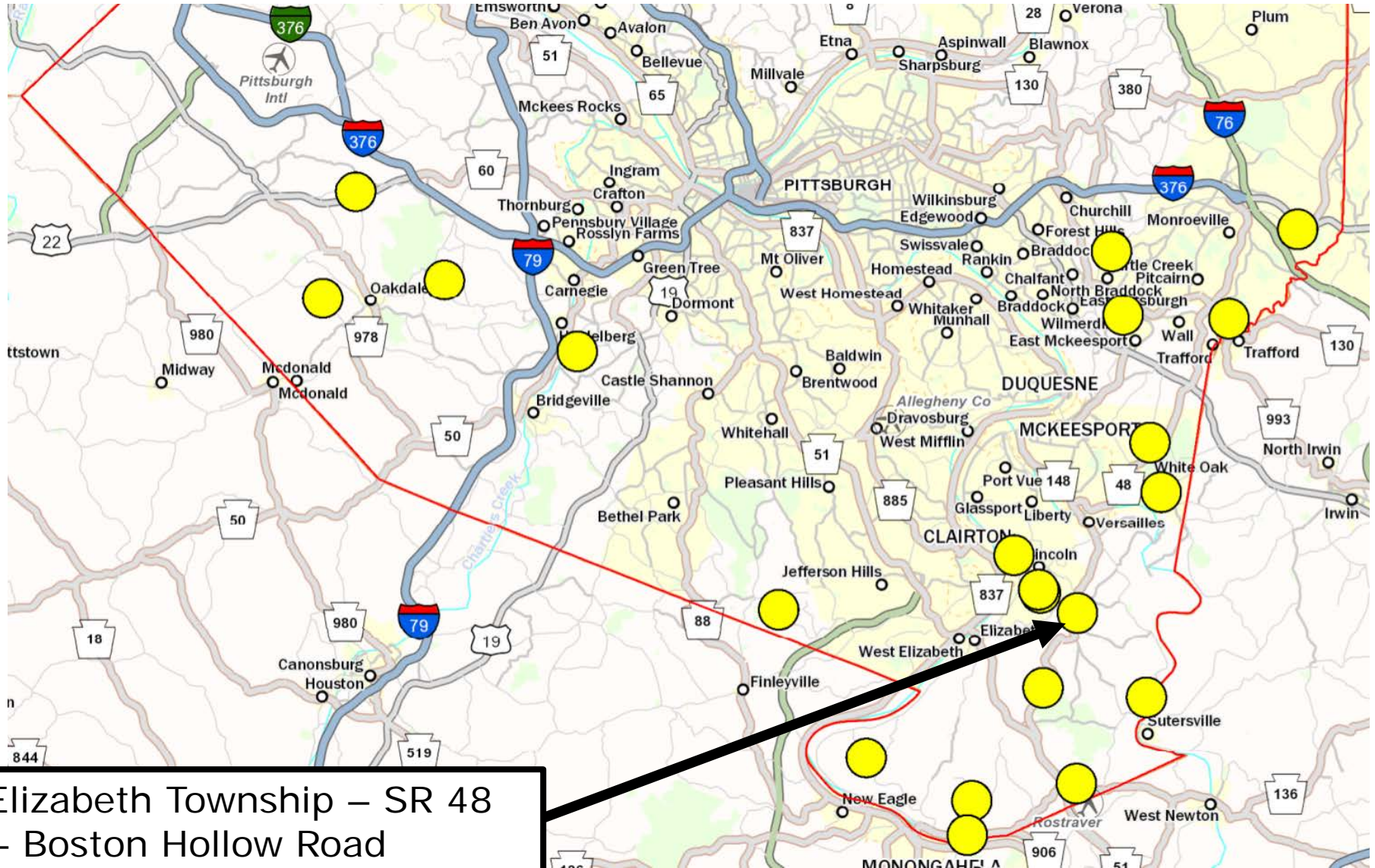


# 2019-2020 Landslide Repair Locations



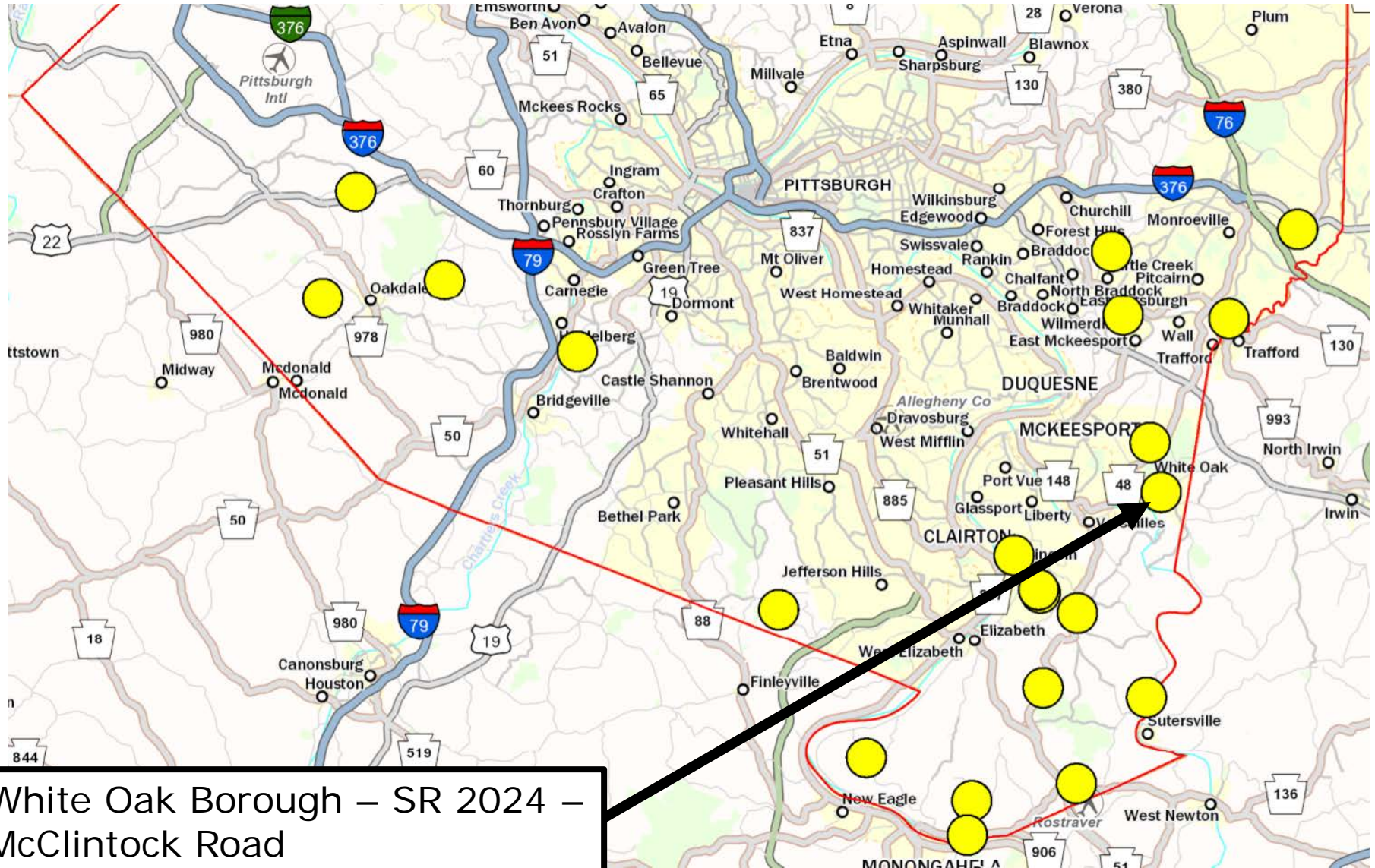


# 2019-2020 Landslide Repair Locations



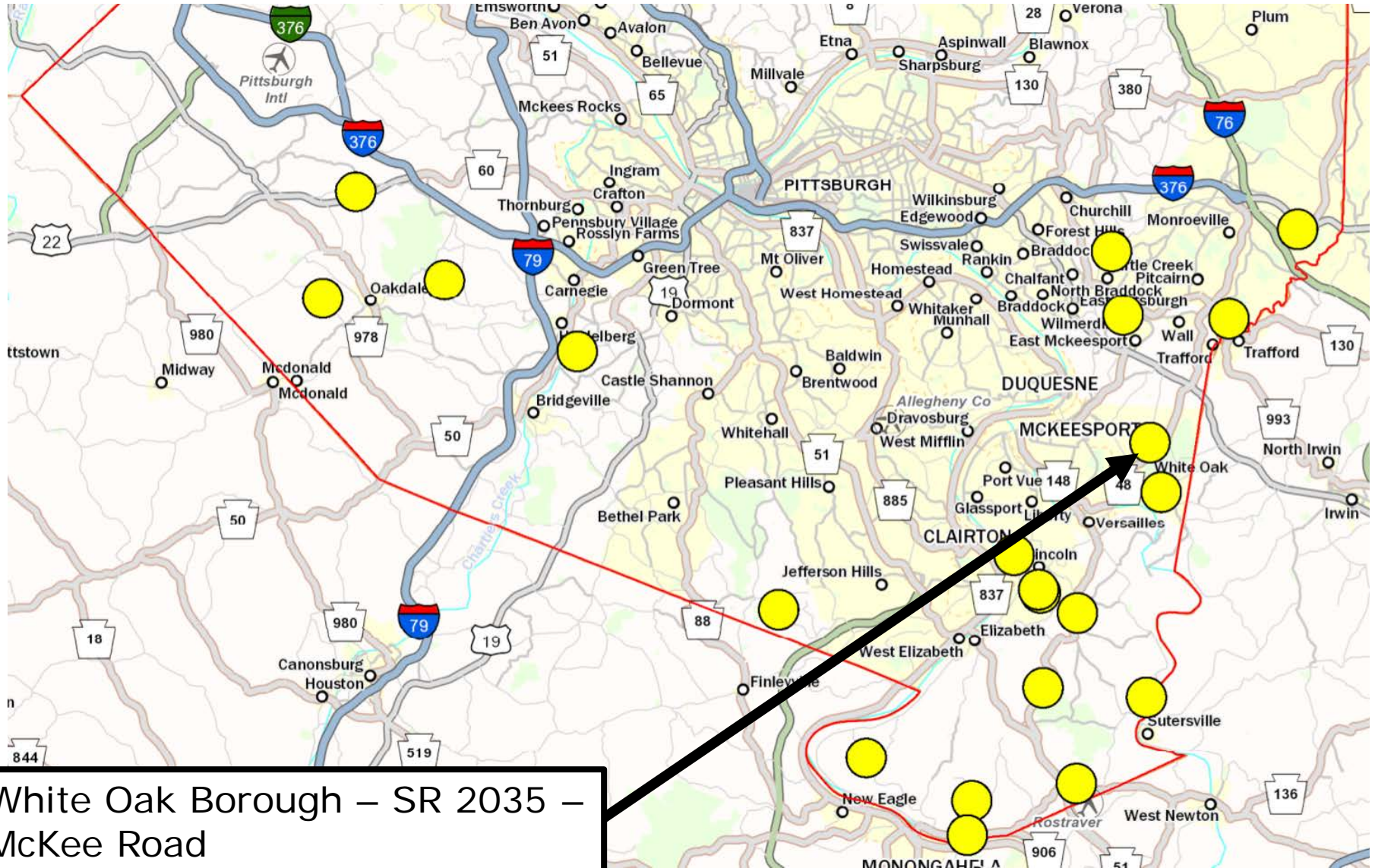


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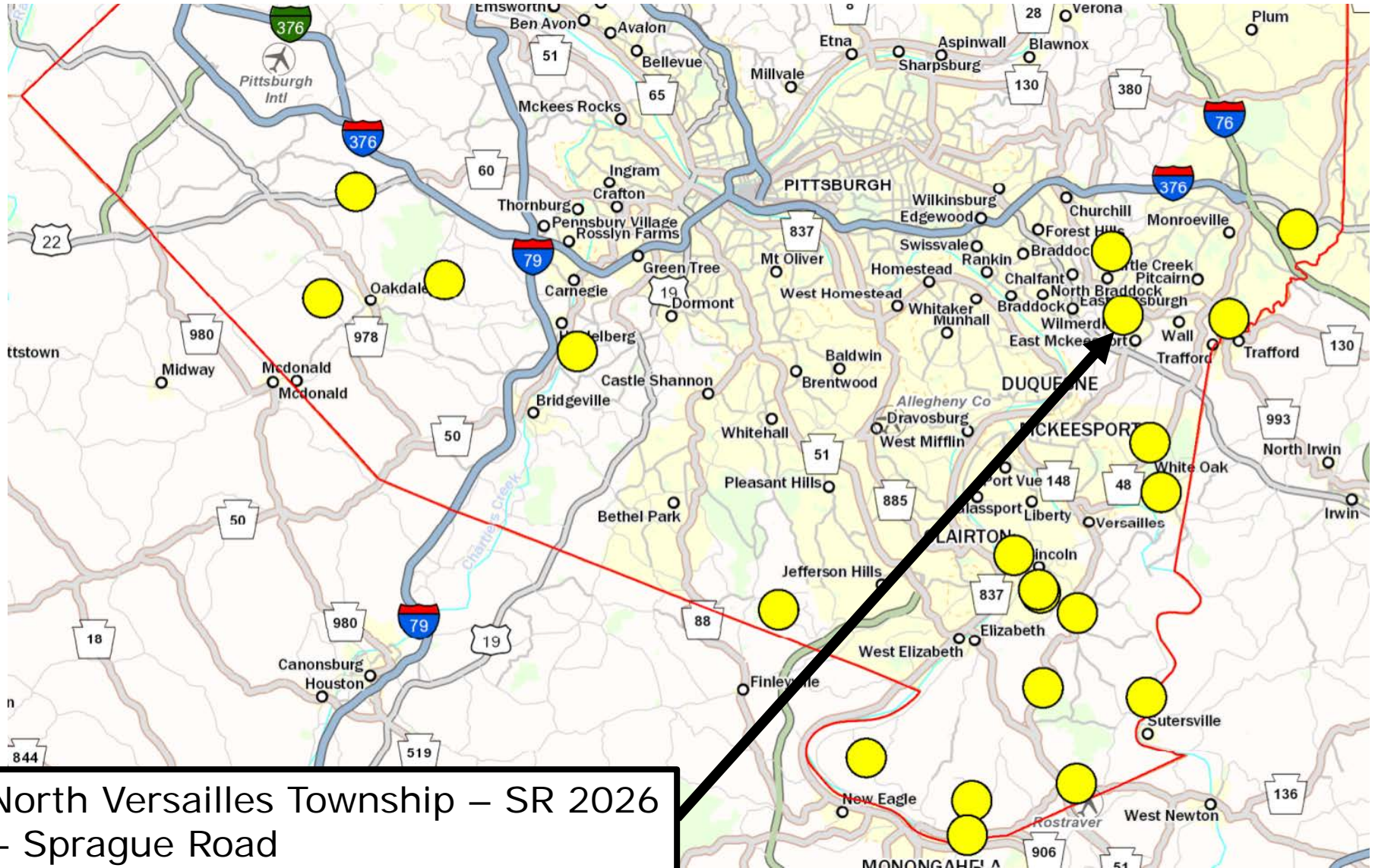


# 2019-2020 Landslide Repair Locations





# 2019-2020 Landslide Repair Locations





## 2019-2020 Landslide Repair Locations



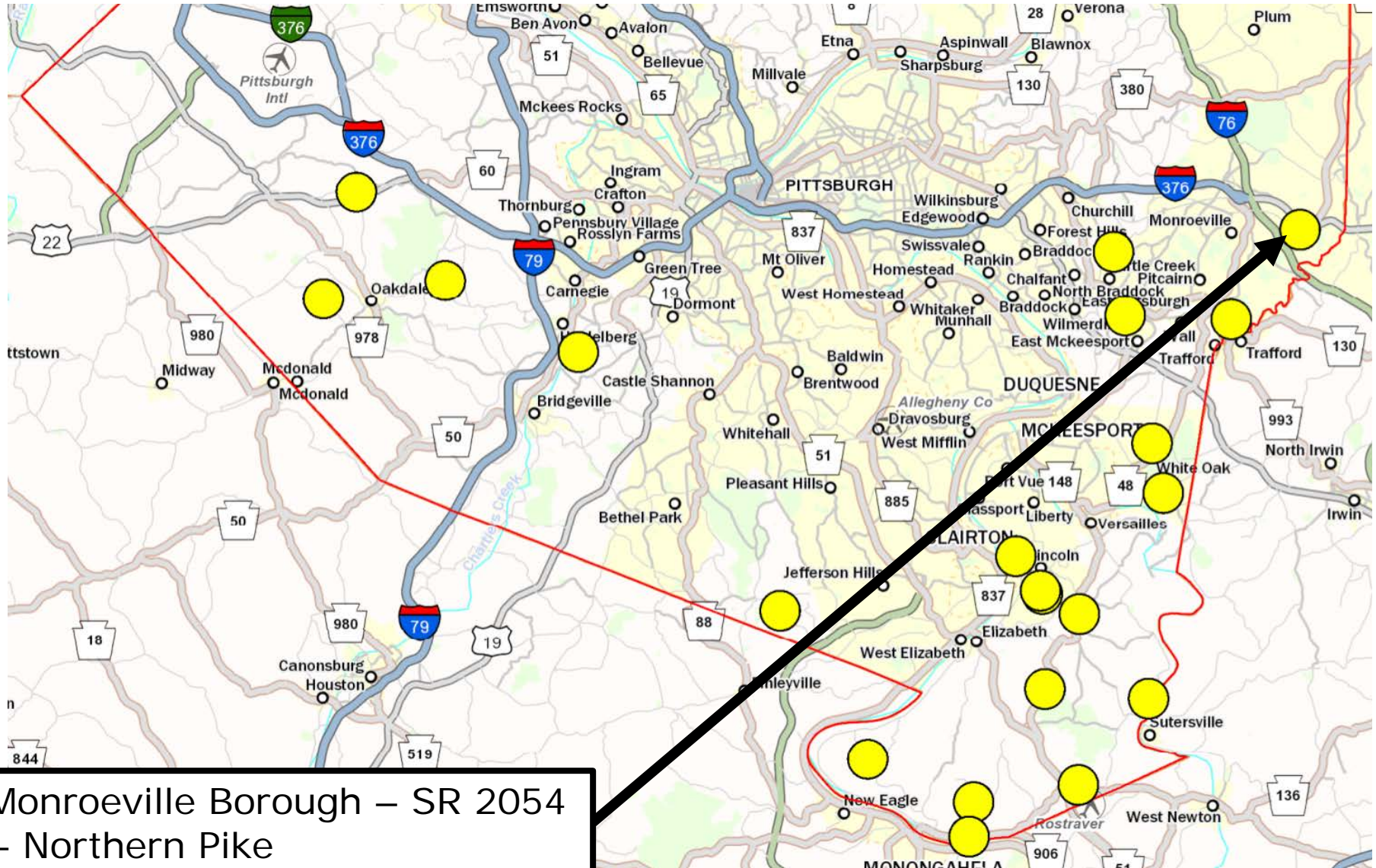


## 2019-2020 Landslide Repair Locations





# 2019-2020 Landslide Repair Locations





# Landslide Repair Locations

- North Fayette Township – SR 3059 – North Road
- North Fayette Township – SR 3066 – Steubenville Pike
- Collier Township – SR 3048 – Noblestown Road
- Scott Township – SR 3033 – Scrubgrass Road
- South Park Township – SR 3014 – Piney Fork Road
- Lincoln Borough – SR 2001 – Lincoln Boulevard
- Lincoln Borough – SR 2023 – Harrison Hollow Road
- Forward Township – SR 2003 – Church Hollow Road
- Forward Township – SR 2009 – Sunnyside Hollow Road
- Forward Township – SR 136 – Rainbow Run Road
- Elizabeth Township – SR 48 – Scenery Drive
- Elizabeth Township – SR 136 – West Newton Road
- Elizabeth Township – SR 2017 – Blythedale Road
- Elizabeth Township – SR 48 – Boston Hollow Road
- White Oak Borough – SR 2024 – McClintock Road
- White Oak Borough – SR 2035 – McKee Road
- North Versailles Township – SR 2026 – Sprague Road
- Wilkins Township – SR 2065 – Thompson Run Road
- Monroeville Borough – SR 2102 – Forbes Avenue
- Monroeville Borough – SR 2054 – Northern Pike



# Tunnel Maintenance

**Benjamin DeVore, P.E.**  
**Tunnel Maintenance Manager**  
412-381-1815





# Tunnel Maintenance

- County Maintenance Organization
- Budget comes from Allegheny County
- 24/7/365
- 67 employees
- 5 tow trucks + 2 flatbeds
- 4 crash trucks
- 1 wash truck

Maintenance – but different!

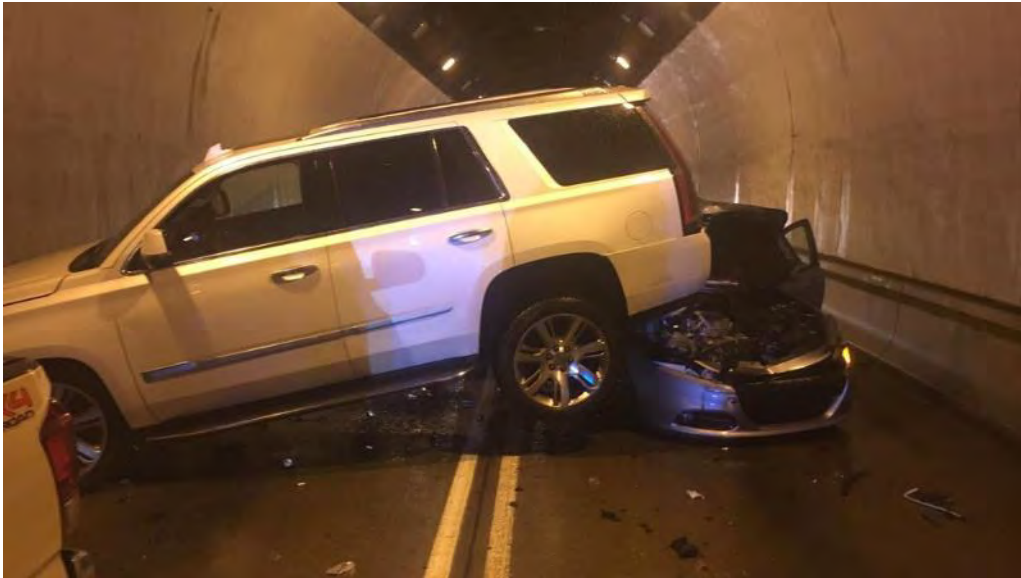


# Tunnel Maintenance





# Tunnel Maintenance





# Traffic Incident Management

- TIM consists of a planned and coordinated multidisciplinary process to detect, respond to, and clear traffic incidents so that traffic flow may be restored as safely and quickly as possible
- Effective TIM:
  - Improves the safety of emergency responders, crash victims, and motorists
  - Reduces the duration and impacts of traffic incidents





# Traffic Incident Management

In a typical year, the following number of responders are struck and killed:

- 10 Law Enforcement Officers
- 4 Fire and Rescue Personnel
- 40-60 Towing and Recovery Professionals
- Several transportation professionals from DOTs, Public Works, and Safety Service Patrol Programs





# Traffic Incident Management



- January 6, 2019
- PA Turnpike near Fort Washington
- Tow truck operator clearing single vehicle crash
- 14 First Responders and tow operators struck and killed in 2019



# Traffic Incident Management

- Pittsburgh Tunnels Traffic Incident Management (TIM) Team
  - Multi-disciplinary team of 1<sup>st</sup> responders, PennDOT, local municipalities, tow companies, PSP, utilities, and other stakeholders
  - Focus on Responder Safety, Quick Clearance, and Prompt, reliable, interoperable communications
  - Learn how to work together better
  - Joint Training
  - Conduct After Action Reviews
  - 3-4 Meetings/year

**GET INVOLVED!**





# 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

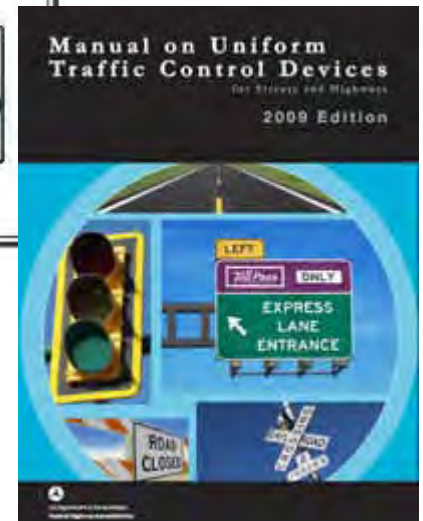
We provide the following services at no cost to our municipal partners when state roads are involved:

- 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



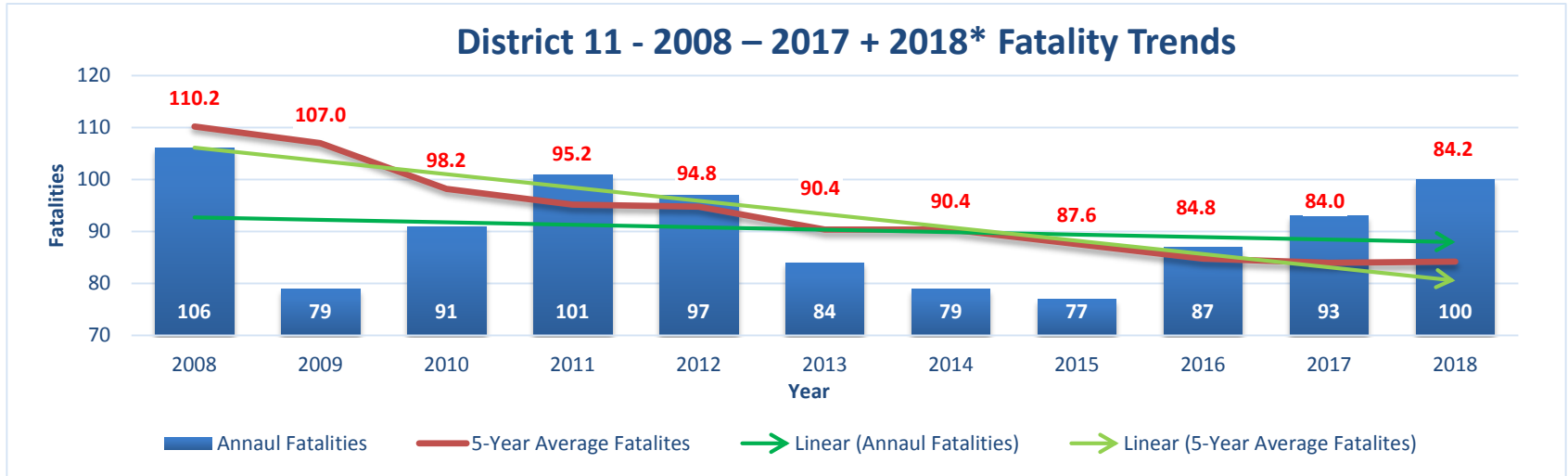
# Why Do We Do This?

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



# ➤ Allegheny County Construction Overview

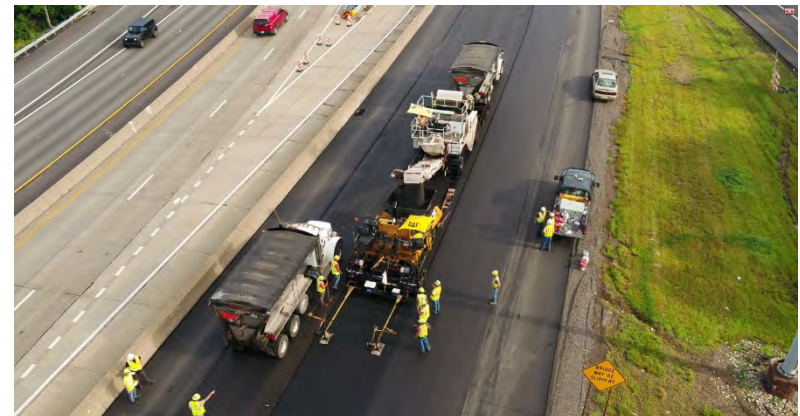
- 202 miles of state roads paved or resurfaced
- 59 projects will be bid for \$219 million
- 97 projects in construction
- 43 bridges improved or replaced
- \$208 million in 2019 construction expenditures



# 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



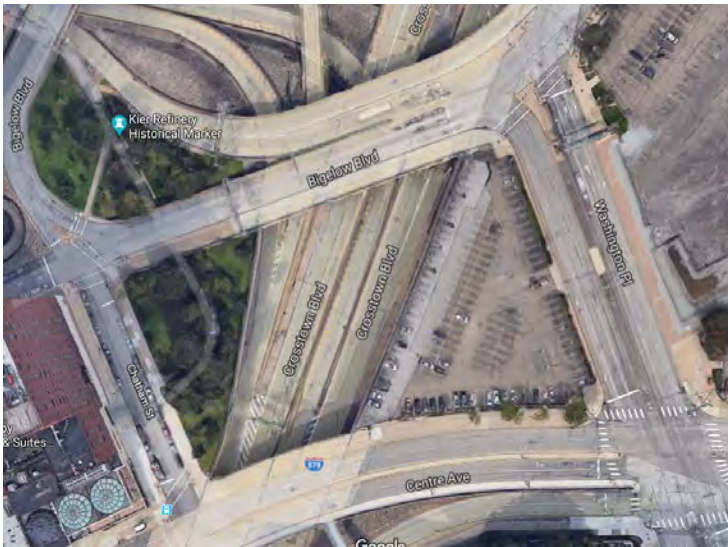
- Two weekend long mainline Northbound restrictions for paving
- Various off-peak lane restriction NB and SB for various work
- Completion Fall 2019





# SR 579 "CAP"

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

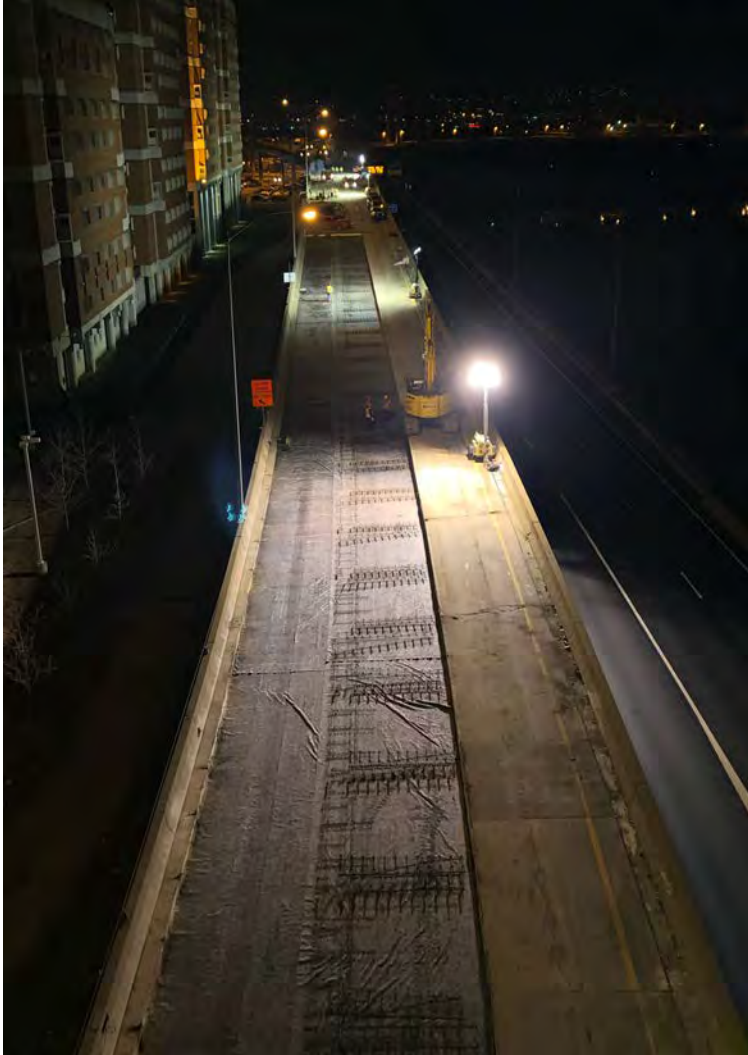


SITE IMPROVEMENTS PLAN - RENDERING





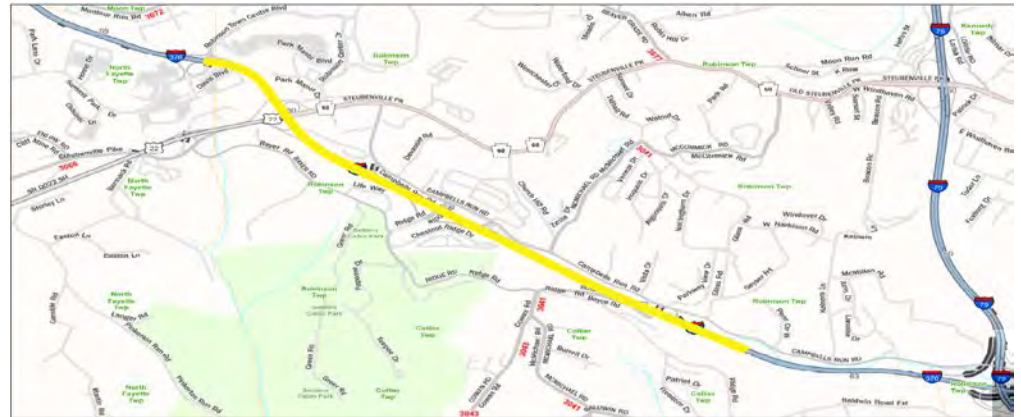
# SR 376 Parkway East



- \$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

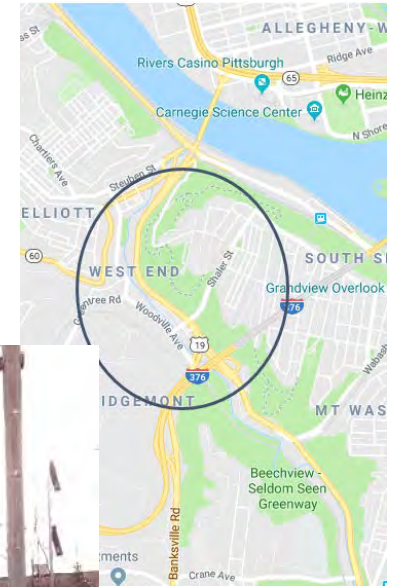
- \$7.4 million located on SR 885 (Blvd of the Allies) from Bates Street to Interchange Ramp
- Mostly mill/repave, ITS signs (10% RAP Pilot)
- Overnight and weekend lane restrictions will be implemented
- A mid-2019 start and an early 2020 completion date





# 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

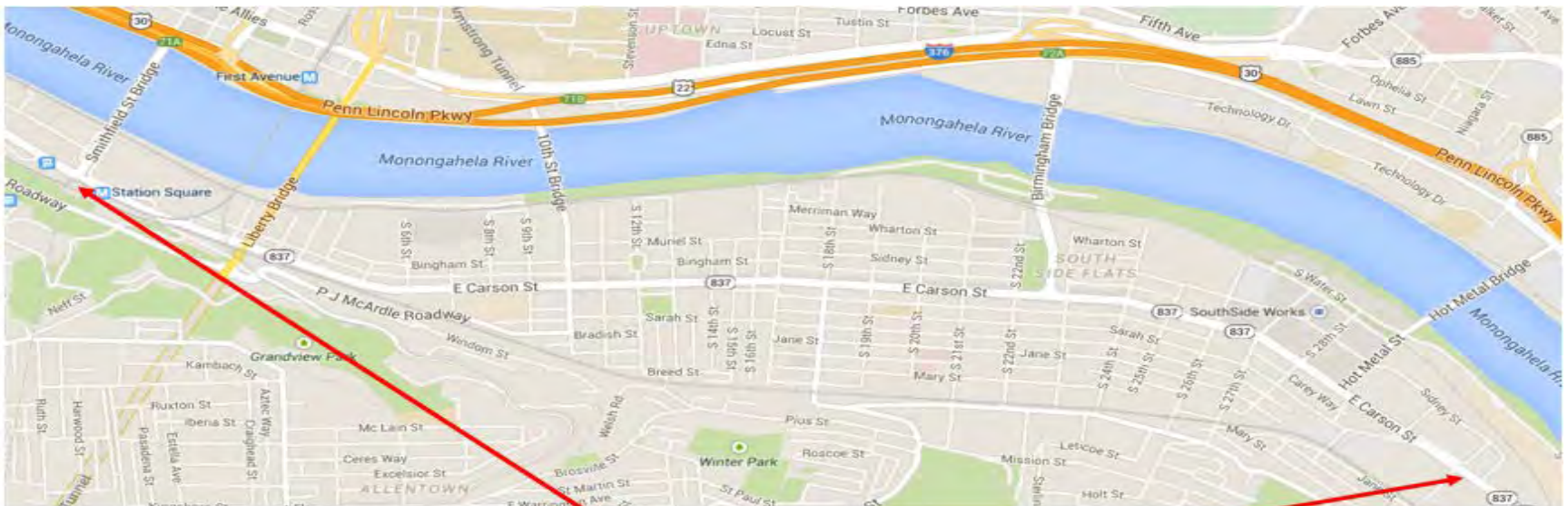
- \$6.4 million
- Mid-2019 start and end early 2020
- Milling and resurfacing, etc.





# 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

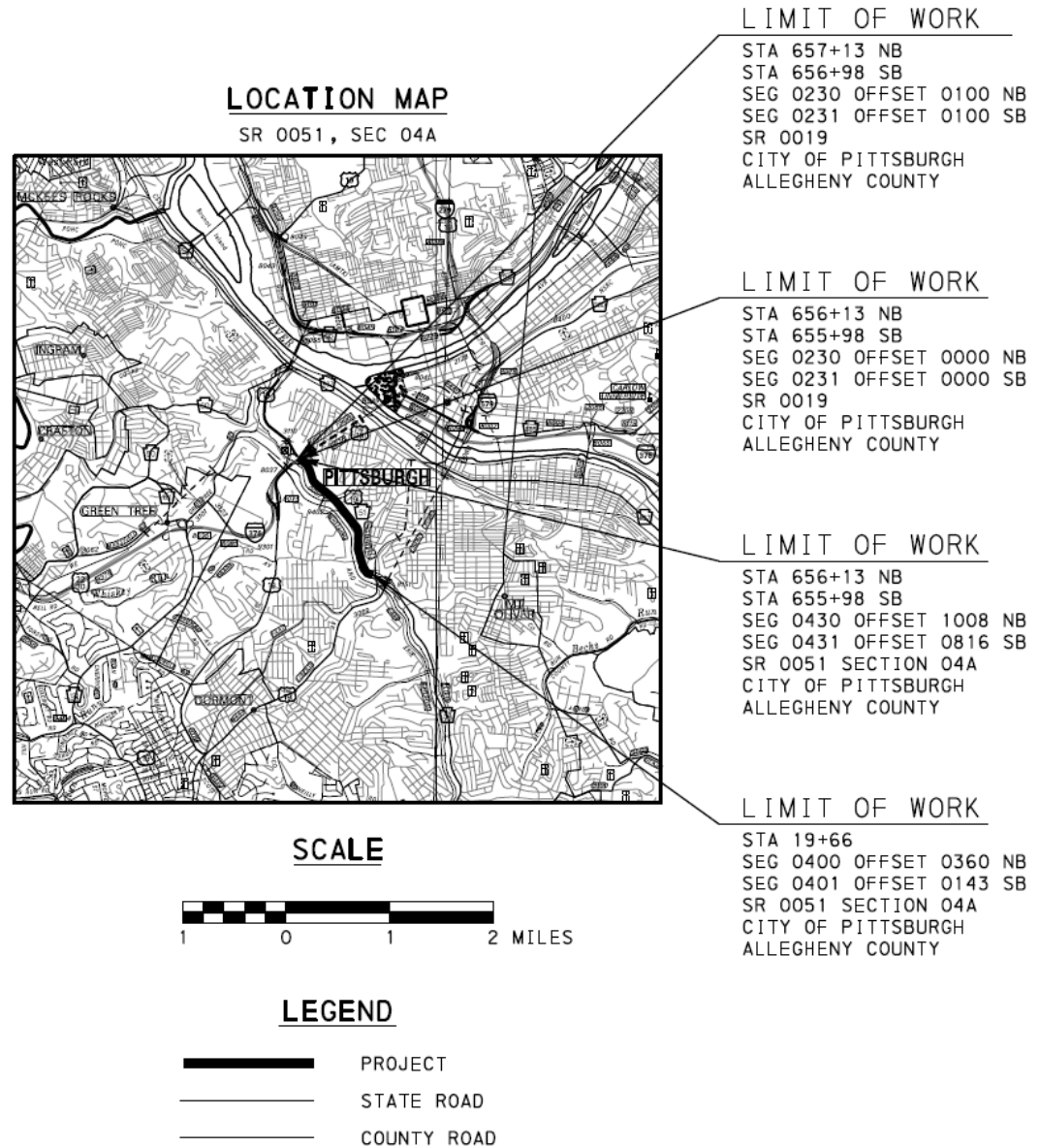


Project Limits



# SR 51 Saw Mill Run

- \$2.3 million
- The project consists of milling and resurfacing, etc.
- Late 2019 completion





# SR 50 Elizabeth Bridge

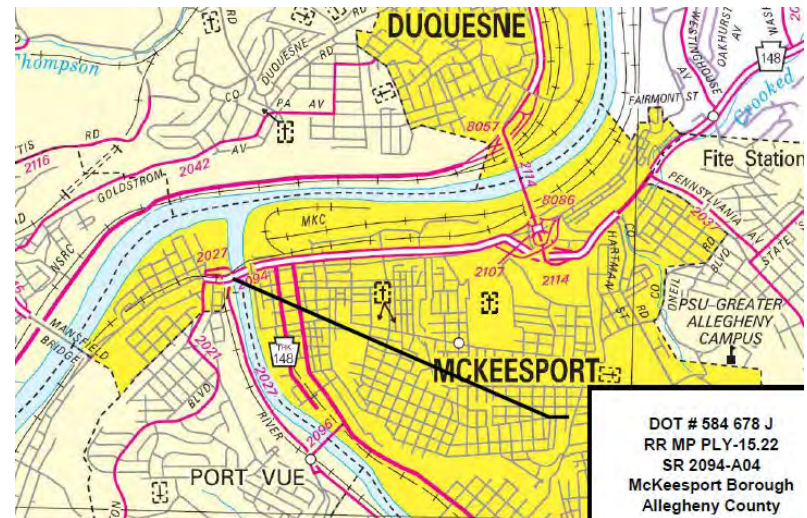
- \$32 million
- Bridge rehabilitation
- 2<sup>nd</sup> Season
- Work will complete in the Fall of 2019





# Jerome Street Bridge

- Bridge rehabilitation
- SR 2094 over Youghiogheny River, McKeesport
- \$17 million
- Late 2019 let date



DOT # 584 678 J  
RR MP PLY-15.22  
SR 2094-A04  
McKeesport Borough  
Allegheny County



## ➤ US 22 / SR 48 to Westmoreland County

- \$8.4 Million
- SR 22, William Penn Highway
- SR 48 to the Westmoreland County line, Monroeville, Allegheny County
- Mill and overlay and minor bridge preservation
- Mid April-2019 start, complete in mid-2020



# Kenmawr Bridge over NS RR

- Estimated as \$11 – \$13 million
- Located on S. Braddock Avenue over Norfolk Southern RR in Swissvale and Rankin Boroughs, Allegheny County.
- Bridge Replacement
- A late summer 2019 start with a mid-2021 completion date





# ➤ SR 19-A74 Washington Road (Upper St. Clair)



## Betterment Project

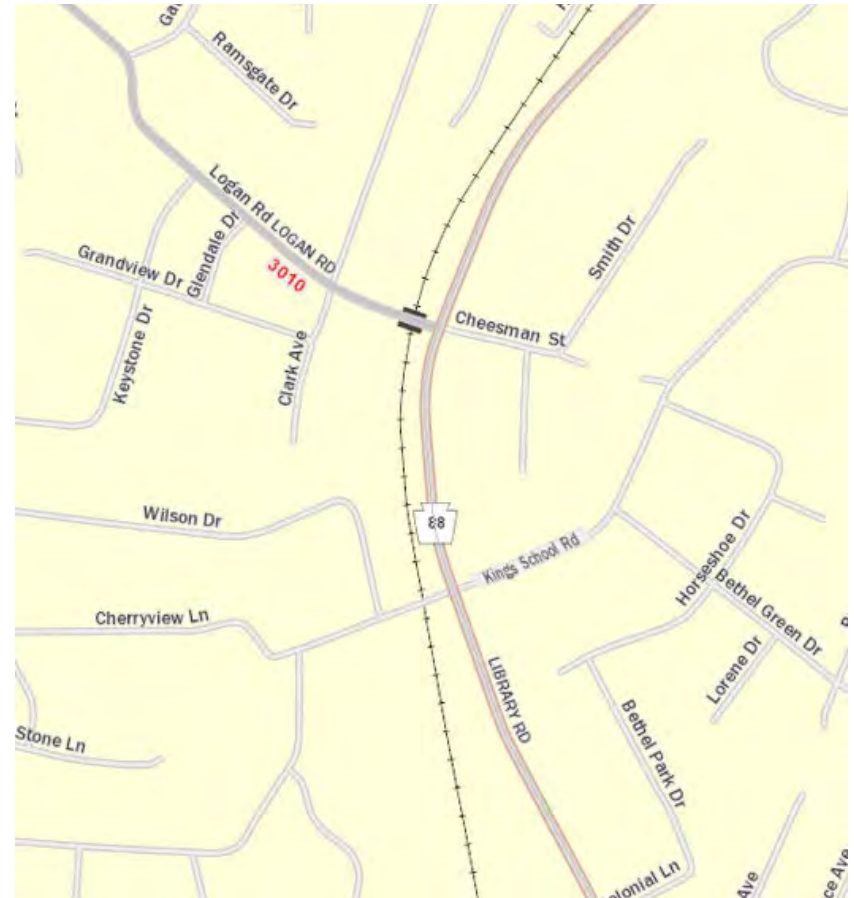
- Milling/Resurfacing
- Shoulder Repairs
- Slide Repairs
- Estimated \$8 Million





# SR 88 / King School and Logan

- Contract value of \$1.6 million
- SR 0088 between Logan Road and Kings School Road in Bethel Park
- Construction of a center turn lane between the intersections.
- Overall project will conclude in fall 2019





# SR 88-A23 Library Road at Clifton



- Add Turn Lanes
- Two Culvert replacements
- Signal upgrades
- Estimated \$4 million
- Bethel Park



# Adaptive Traffic Signal System



- \$1.9 million
- Safety Improvement project
- SR 88 from SR 51 to South Park (5 point intersection)
- Project has started and will conclude in 2020



# Allegheny Group Paving Projects

- Let Date: 3/28/2019
- Estimated Cost: \$4-\$5 million
- Milling, resurfacing, etc.
- **Old Washington Pike (Route 3025)** from Church Street to Route 3025 (Greentree Road) in Collier Township
- **Main Street-Scrubgrass Road (Route 3033)** from Vanadium Road (CNTY) in Scott Township to Bower Hill Road (CNTY) in Mount Lebanon Township
- **Chartiers Street-Lesnett Road-McMillan Road-Rob Hollow Road-Kelso Road (Route 3034)** from Washington Ave to Bower Hill Road (CNTY) in Bridgeville Borough, Upper St. Clair and Mount Lebanon Townships



# ➤ Allegheny Group Concrete Pavement Patching

- Let Date: 3/28/2019
- Estimated Cost: \$7 million
- Concrete pavement patching and preservation
- **Washington Avenue (Route 0050)** from Boden Avenue (Twp) to Main Street in Carnegie Borough
- **Castle Shannon Blvd (Route 3037)** from Willow Street (Boro) to Sunset Drive (Twp) to Bower Hill Road (CNTY) in Mount Lebanon Township
- **West Main Street (Route 3048)** from Camp Hill Road (Twp) in Collier Township to Second Street (Boro) in Carnegie Borough
- **Chestnut-Forsythe (Route 3056)** from Academy Street (Route 3097) to Wasbash Avenue (Boro) in Carnegie Borough
- **McFarland Road (Route 3119)** from Washington Road (Route 3069) to Banksville Road (Route 0019) in Mount Lebanon Township



# Allegheny Group Paving Projects

- Let Date: 4/25/2019
- Estimated Cost: \$6-\$7 million
- Milling, resurfacing, etc.
- **Lebanon Road (Route 0885)** from Lebanon Church Road in the Borough of West Mifflin to Mifflin Road in the City of Pittsburgh
- **McClintock Road (Route 2033)** from Muse Lane to Jacks Run Road in the Borough of White Oak
- **Mifflin Road (Route 2045)** from Thompson Run Road in the City of Pittsburgh to Mooney Road in the Borough of West Mifflin
- **Thompson Run Road (Route 2052)** from Mifflin Road to Homestead Duquesne Road in Borough of West Mifflin



# Allegheny Group Drainage Projects

- Let Date: 4/11/2019
- Estimated Cost: \$3-\$4 million
- Drainage improvement and other miscellaneous construction
- **Scenery Drive/Boston Hollow Road (Route 0048)** from Cowan Drive to Smithfield Street in Elizabeth Township
- **Rainbow Run Road (Route 0136)** from Bunola River Road (Route 2001) to Westmoreland County line in Forward Township
- **North State Street/Washington Street/Dravosburg Road/Duquesne Road (Route 0837)** from Coal Valley Road in City of Clairton to Grant Avenue in City of Duquesne
- **Duquesne Boulevard (Route 2114)** from Duquesne Bridge to SR 0837 in City of Duquesne



# Wenzell Avenue / Carnahan Road Bridge

## Wenzell Avenue / Carnahan Road Bridge

Replacement of Carnahan Rd Bridge over a stream with a new wider bridge carrying three lanes of traffic and two sidewalks.



- \$3 million
- Bridge Replacement
- June 2019 start
- Conclude in early 2021



# S. 10<sup>th</sup> Street Bridge Rehabilitation

- \$20 million
- Bridge Rehabilitation
- Late September 2019 completion date





## 9<sup>th</sup> Street Bridge (Rachel Carson)

- \$23.3 million
- Complete concrete deck replacement
- Steel and concrete repairs
- Paint
- August 2020 completion date





## ➤ Additional Southern Allegheny County Projects

- **Route 48 Boston Hollow Road over Wylie Run bridge** replacement and slide repair in Elizabeth Twp and Lincoln Borough
- **Route 48 Boston Hollow Road over Boston Hollow Run bridge** replacement and slide repair in Elizabeth Twp and Lincoln Borough
- **Route 48 Scenery Drive Slide Remediation** in Elizabeth Twp
- **Route 51 West End Sign Improvement** in City of Pittsburgh
- **Route 885 Glenwood Bridge** MA08 bridge preservation in City of Pittsburgh



## ➤ Additional Southern Allegheny County Projects

- **Route 2001 McKeesport Road Bridge replacement** over Fallen Timber Run in Elizabeth Township
- **Route 2010 Lovedale Road Bridge replacement** over Wylie Run in Elizabeth Township
- **Route 2023 Harrison Hollow Road Slide** remediation in Lincoln Borough
- **Route 2065 Larimer Avenue Slide** remediation in Wilkins Township
- **Route 2152 Ramp to Rodi Road bridge rehabilitation** over Chalfont Road in Wilkins Township
- **Route 3004 Roundabout construction** at intersection of McLaughlin Run Road and Lesnett/McMillan Road in Upper St. Clair Township



## ➤ Additional Southern Allegheny County Projects

- **Route 3014 Piney Fork Road Slide** remediation at segment 20 in South Park Township
- **Route 3017 Gill Hall Road bridge rehabilitation** over Peters Creek in Jefferson Hills Borough
- **Route 3035 Weyman Road Bridge replacement** over Saw Mill Run in Whitehall Borough
- **Route 3035 Stewart Ave Emergency Culvert Replacement** near Route 51 in Whitehall Borough
- **Route 3037 Scott Road resurfacing** from Castle Shannon Blvd to Washington Road in Mt. Lebanon Township
- **Route 3048 Noblestown Road Slide remediation** in Collier Township
- **Route 3048 Noblestown Road bridge preservation** over Robinson Run at I79 interchange and Noblestown Road in Collier Township



## ➤ Additional Southern Allegheny County Projects

- **Route 3066 Steubenville Pike Slide remediation** in North Fayette Township
- **Route 4084 West Ohio Street bridge replacement** and road widening from Merchant Avenue to Ridge Avenue
- **Route 4084 Allegheny Circle Phase 2** intersection modification in City of Pittsburgh
- **Robinson Run RS04 bridge rehabilitation** on Station Street in South Fayette Township
- **Homestead Grays and West Drive Ramp bridge** preservation in Homestead Borough
- **Armstrong Tunnel improvements** in City of Pittsburgh
- **16<sup>th</sup> Street Bridge preservation** over Smallman Street and River Avenue in City of Pittsburgh
- **Dooker's Hollow Bridge replacement** in Borough of North Braddock



## ➤ Additional Southern Allegheny County Projects

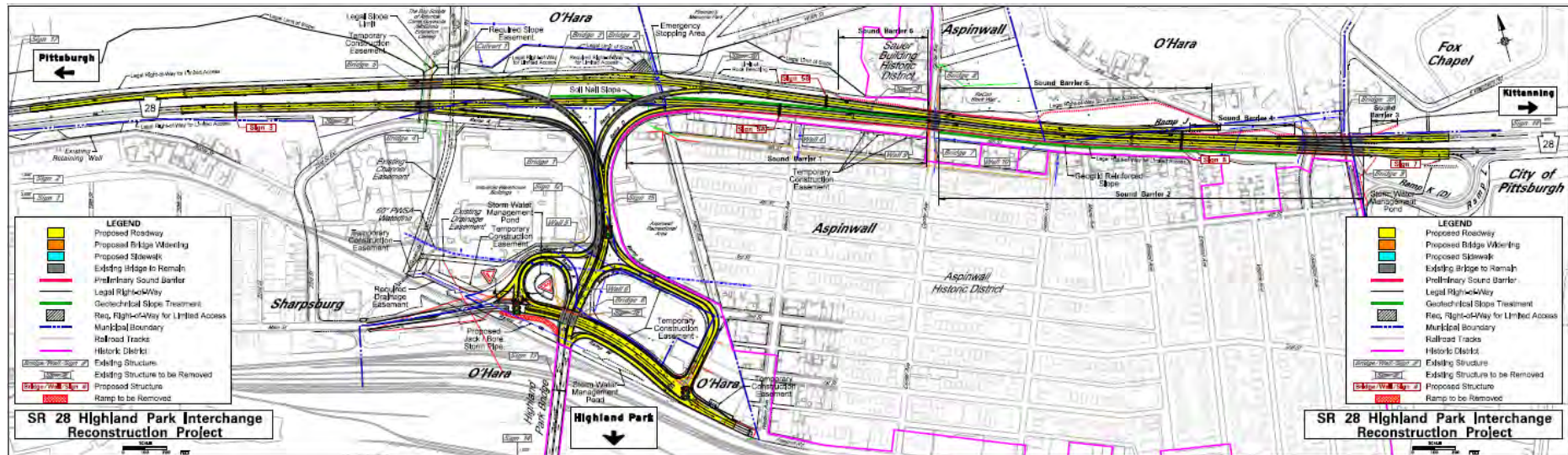
- **Route 8057 McKeesport-Duquesne Bridge ramp** preservation in City of Duquesne
- **Monroeville Blvd Safety Improvement** from Pitcairn Road to James Street in Municipality of Monroeville
- **Homestead-Duquesne Road improvement** between Homeville Road and Grant Ave Extension in West Mifflin Borough
- **Gap to the Point bicycle circulation** route in City of Pittsburgh
- **Homewood Pedestrian, Student and Transit Connective** near the East Busway Homewood station in City of Pittsburgh
- **South Side Neighborhood Street enhancement** from 10<sup>th</sup> Street Bridge to Hot Metal Bridge in City of Pittsburgh
- **MTF Wilksburg Complete Street Imp.** Phase 1 2 way conversion and bicycle lane in Wilksburg
- **SINC – City of Pittsburgh Regional Traffic Signal Program** to maintain safety of traffic



# Design Division



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





# ➤ SR 3005-A05 Mayview Road at Boyce Road

- **Anticipated Let Date:** December 2019 (South Fayette)
- The project is the replacement and relocation of the culvert carrying an unnamed tributary to Chartiers Creek
- Intersection Realignment and signal upgrades





# SR 0030-A35 Lincoln Highway

- **Let Date:** January 2020
- Mill and resurface, signal, drainage and guiderail upgrades, bridge preservation



I-376 to SR 48



# SR 0030-A35 Lincoln Highway





# SR 30-A31 Bridge over Falls Run

- **Anticipated Let Date:** November 7, 2019
- Design-build replacement of the structure carrying US 30 over Falls Run 1000 feet southeast of Braddock Road



Forest Hills Borough





## ➤ SR 30-A31: Ardmore Blvd Bridge over Falls Run



Condition of existing structure – Looking upstream near middle of structure



# ➤ SR 30-A32 Ardmore Blvd Bridge over Falls Run

- **Anticipated Let Date:** November 7, 2019
- Design-build replacement of the structure carrying US 30 over Falls Run 125 feet northwest of Marion Avenue





## ➤ SR 30-A32 Ardmore Blvd Bridge over Falls Run



Looking upstream into existing structure from downstream private structure.



Condition of existing structure with scour – Looking upstream near middle of structure



## SR 0030-A30 – US 30 over Falls Run

- **Anticipated Let Date:** August 2021 (possible let on November 7, 2019 with A31/A32)
- Design-build replacement of the structure carrying US 30 over Falls Run 100 feet northwest of Newport Road in Forest Hills Borough, Allegheny County



Approximate location of existing structure projected to surface – Facing east on SR 30



Downstream elevation view of existing structure



## SR 0030-A30 – US 30 over Falls Run



Condition of existing structure – Looking upstream near middle of structure



## SR 48-A38

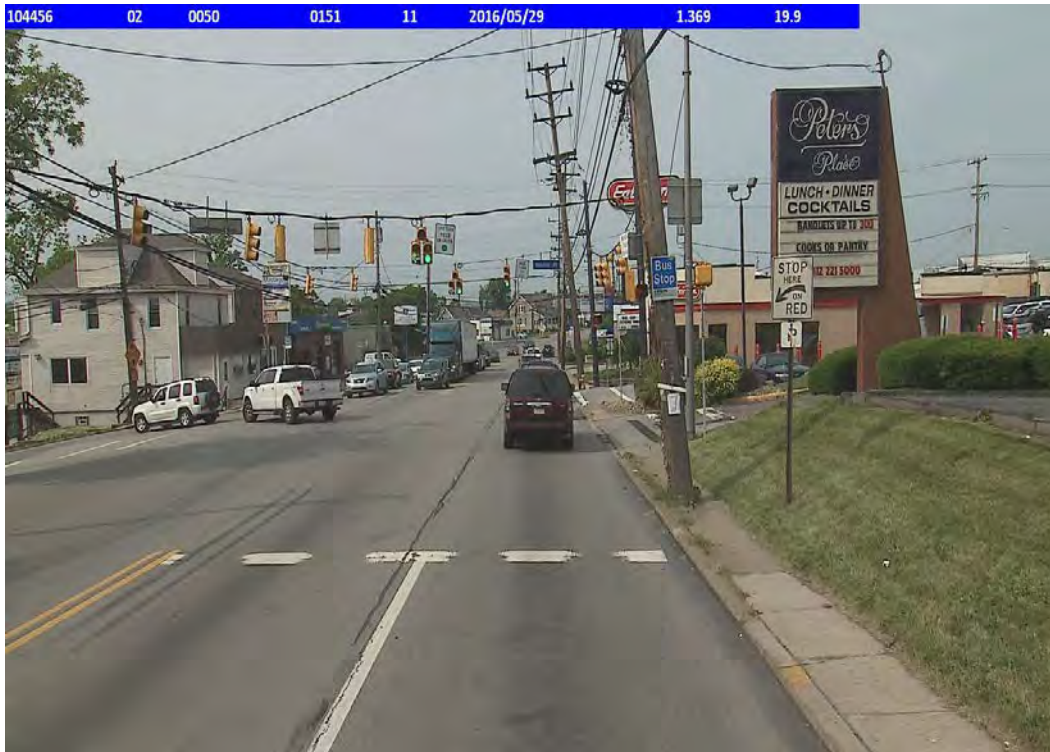
- **Anticipated Let Date:** September 2019 but may be as early as June 2019
- Repair of a landslide caused by mine subsidence on Scenery Drive





# SR 0050-A26 Washington Pike

- **Project Let Date:** October 2019
- Widening of SR 50 (Washington Pike) on the westbound side to add a dedicated turn lane at the Vanadium Road intersection, signal upgrades, re-alignment of Peter's Place/Eat'n Park drives at the intersection





# SR 0050-A28

- **Project Let Date:** July 2020 (Bridgeville Boro & S. Fayette Twp)
- Widening of the bridge over Chartiers Creek and intersection improvements





# SR 0050-A28





# SR 0050-A28





# SR 0060-A55 Thornburg Bridge

- **Anticipated Let Date:** March 2022 (Robinson Twp)
- Bridge Preservation includes painting, latex deck overlay, bearing and dam repairs, minimal approach roadway work





## ➤ SR 0837-A46 Eighth Avenue over Homestead Run

- **Anticipated Let Date:** March 2020 (Munhall Borough)
- Design-build installation of a structural metal arch liner that will be able to carry the full load of the crossing



Approximate location of existing structure projected to surface – Facing north on SR 837



Upstream elevation view of existing structure



## ➤ SR 0837-A46 Eighth Avenue over Homestead Run





# SR 19-A75 Washington Road

- **Let Date:** February 13, 2020
- Milling and paving with ADA curb Ramp updates. Replace/Repair concrete mountable curb as needed, Signal Upgrades, Guiderail Updates and sideroad adjustments, New signing and pavement markings



McMurray Rd. to Connor Rd.



# SR 2017-A11 Blythedale Road

- **Anticipated Let Date:** April 23, 2020 (Elizabeth Twp)
- Landslide repair, pavement reconstruction





# SR 2035-A03 McKee Road

- **Anticipated Let Date:** April 23, 2020 (White Oak Borough)
- Landslide repair, pavement reconstruction





# SR 2040-A22 Lebanon Church Road

- **Anticipated Let Date:** February 2020
- Work includes bituminous resurfacing and widening near Rodeo Drive to accommodate a new left turn lane and signal into the western side of Rodeo Drive from Lebanon Church Road upgrades to drainage facilities, signals, median, signing, and ADA facilities as well as concrete patching and other miscellaneous work



Buttermilk Hollow Rd to Ceco Drive



# ➤ SR 2040-A22 Buttermilk Hollow Rd to Ceco Drive





## ➤ SR 2040-A22 Buttermilk Hollow Rd to Ceco Drive





## ➤ SR 2040-A22 Buttermilk Hollow Rd to Ceco Drive





# ➤ SR 2040-A23 Lebanon Church/Curry Hollow Rd

- **Anticipated Let Date:** February 25, 2021
- Scope includes resurfacing, upgrades to drainage facilities, signals, median, signing, structure repair (Cloverleaf structure) and ADA facilities as well as concrete patching and other miscellaneous work





## ➤ SR 2040-A23 Lebanon Church/Curry Hollow Rd





## ➤ SR 2114-A05 McKeesport-Duquesne Bridge Preservation

- **Anticipated Let Date:** April 8, 2021
- Bridge preservation of the McKeesport-Duquesne Bridge, which consists of 9 spans (1 riveted steel built-up girder/floorbeam/stringer span and 8 riveted steel thru-truss/floorbeam/stringer spans) – Final Scope still TBD





## ➤ SR 3004-A03 McLaughlin Run Roundabout

- **Anticipated Let Date:** Fall of 2019 with construction starting in spring of 2020 (pending ROW clearance)
- Construct a roundabout at the intersection of SR 3004, McLaughlin Run Road, and SR 3034, Lesnett/McMillian Road

Upper Saint Clair



# SR 3009-A20 South Park Road

- **Project Let Date:** October 24, 2019 (Bethel Park)
- The intersection will be redesigned and widened, matching existing pavement structure to allow for left turn lanes from South Park Road onto Logan Road from both direction on South Park Road



SR 3009 South park Rd Approaching Logan Rd



SR 3010 Logan Rd Intersection approach



## SR 3015-A03 Cochran Mill Road Bridge Replacement

- **Anticipated Let Date:** 2022
- Replace the bridge that carries SR 3015 (Cochran Mill Road) over Lick Run





# ➤ SR 3027-A05 Smithfield Street Bridge Pres.

- **Let Date:** July 23, 2020
- Various steel repairs with associated spot painting, concrete spall and crack repairs, repair cracked masonry stones, replacement of orthotropic wearing surface on sidewalks in Lenticular Truss spans 3 and 4, bearing repairs, deck joint repairs, bearing replacement, epoxy surface deck overlay, replacement of ADA curb ramps





# SR 3035-A03 Weyman Road Bridge

- **Anticipated Let Date:** November 7, 2019 (Whitehall Boro)
- Replacement of existing structure with cast-in-place concrete box culvert





# SR 3039-A05 Nike Site Road Bridge

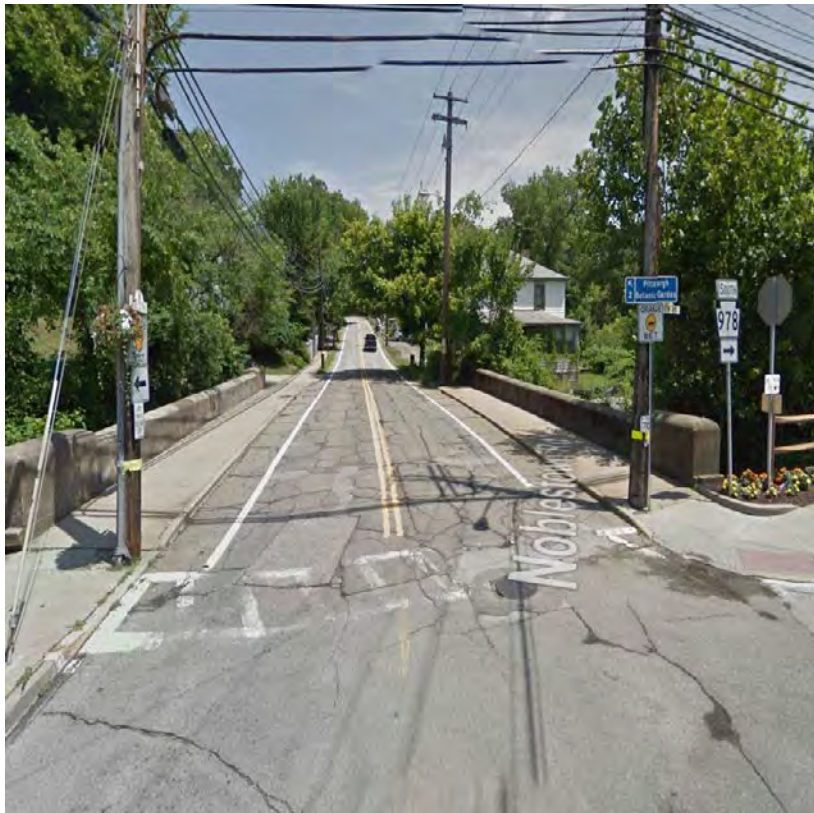
- **Anticipate Let Date:** June 18, 2020 (Collier Twp)
- Rehabilitation of the four span steel I-beam bridge including full painting of the superstructure and a deck replacement





# SR 3048-A24 Noblestown Road

- **Anticipated Let Date:** December 12, 2019
- Mill and overlay, base repairs, guide rail repairs/updates, drainage repairs/improvements, utility adjustments, and pavement markings (Oakdale Boro, N. Fayette & Collier Twp)





# SR 3048-A24 Noblestown Road





# SR 3052-A06 Greentree Road

- **Anticipated Let Date:** February 11, 2021 (Scott Twp)
- The proposed work includes Mill & Overlay, concrete patching, ADA facilities, minimal drainage work, and other miscellaneous work



Cochran Rd. to Old Washington Pike



# SR 3059-A02 North Road

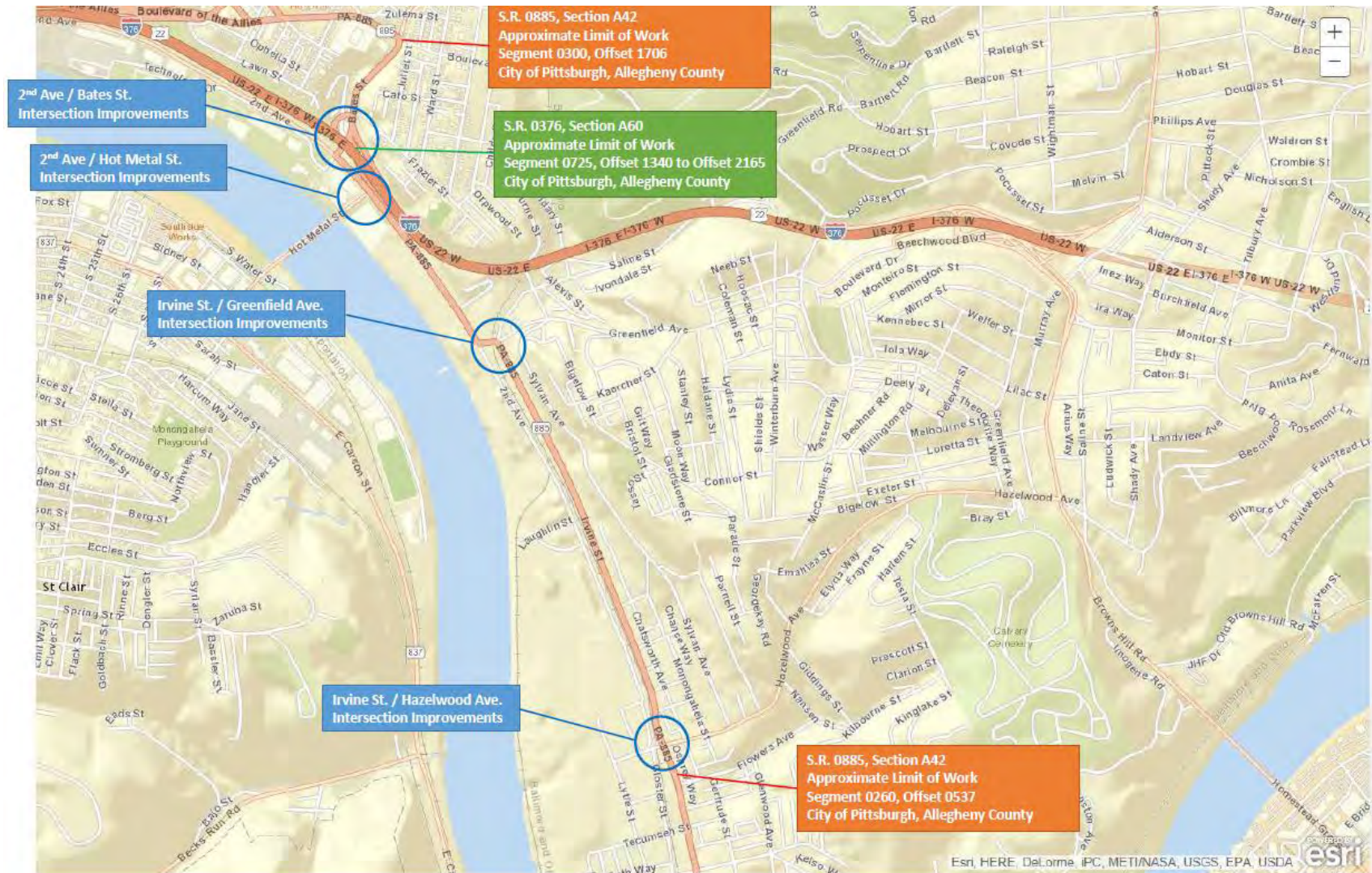
- **Anticipated Let Date:** April 23, 2020 (North Fayette Twp)
- Landslide repair





# SR 376-A60 Almono Phase 1

- Anticipated Let Date: November 7, 2019





# SR 376-A60 Almono Phase 1

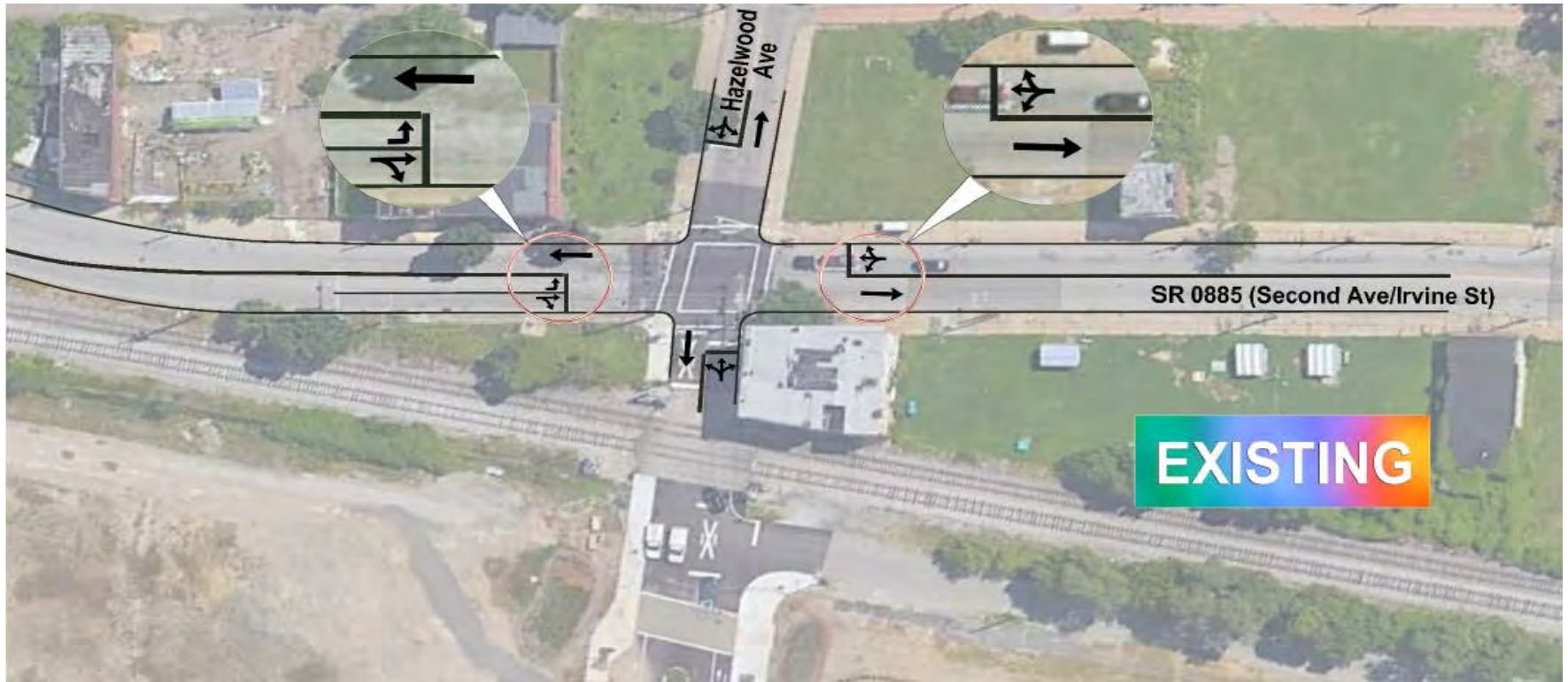
- Mitigation Locations





# SR 376-A60 Almono

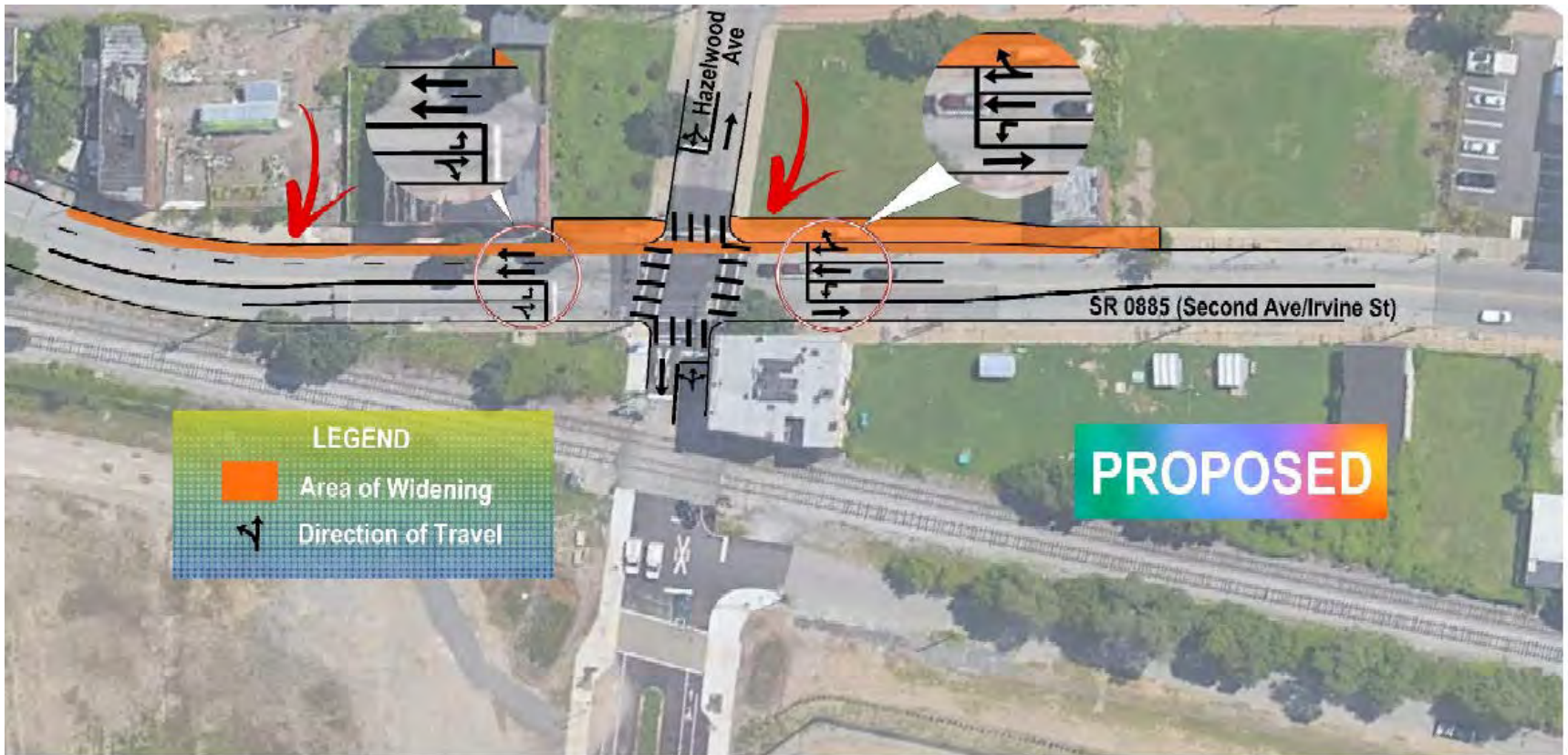
- Example of the types of improvements being made at the intersections
- Second Ave./Irvine St. at Hazelwood Ave.





# SR 376-A60 Almono

- Example of the types of improvements being made at the intersections





# ➤ SR 376-A61 Parkway East Retaining Wall Rehab

- **Anticipated Let Date:** July 25, 2019 (City of Pittsburgh)
- Retaining wall rehabilitation of two sections of wall that hold up the Parkway East over 2<sup>nd</sup> Avenue and the Eliza Furnace Trail





# SR 8004-A03/SR 885-A46

- **Anticipated Let Date:** April 2022 (City of Pittsburgh)
- Interchange will consist of the bridge preservation work, which includes decks repairs and overlays, steel repairs to the superstructures and steel substructure elements, bearing replacements, pin and hanger retrofits, full painting of the superstructures and steel substructure elements, deteriorated concrete repairs, and drainage repairs





# SR 837-A39 Seventh Avenue

- **Project Let Date:** March 2021 (Homestead & Baldwin Boros)
- Pavement reconstruction, update signals and ADA curb ramps (design build) and new signing and pavement marking will be included along with drainage upgrades and adjustment for manholes and valves





# SR 837-A39 Seventh Avenue





# ➤ SR 837-A43 Glenwood Pedestrian Bridge

- **Anticipated Let Date:** May 21, 2020 (City of Pittsburgh)
- Constructing a pedestrian structure and walkway near the SR 837/SR 885 interchange while removing the existing deteriorating staircases





# SR 0837-A47 Kennywood Park Bridge

- **Anticipated Let Date:** June 4, 2020
- Rehabilitation of 4 span bridge consisting of concrete repairs to substructure, bearing and expansion joint replacement, repair and paint steel girders, repair downspouts, overlay deck with latex modified concrete, stabilize slopes under bridge with rock lined channels, place rock protection at existing wingwalls, and other miscellaneous construction





# S.R. 0376 Section A62 Commercial St. Bridge

- **Anticipated Let:** August 2022
- Construction in 2023 & 2024



## Scope of Work:

The existing Commercial Street Bridge will be rehabilitated or replaced pending results of the Feasibility Study which is currently in progress. The Feasibility Study is anticipated to conclude near the end of 2019.



## ➤ SR 3001-A02 Millers Run over Branch of Millers Run

- **Anticipated Let Date:** April 2022 (South Fayette)
- Bridge Replacement





## ➤ SR 978-A17 Millers Run over Dolphin Run

- **Anticipated Let Date:** March 2022 (South Fayette)
- Bridge Replacement





# SR 376-A59 Banksville Interchange

- **Anticipated Let Date:** October 2021
- Interchange ramp reconfigurations to improve traffic flow and address safety issues
- Construct a new exit ramp from SR 376 EB to Banksville Rd. (SR 19) and the SR 19/51 exit ramps
- Construct an additional lane along the ramp from SR 19/51 at Woodville Avenue to SR 376 WB
- Construct an auxiliary lane from Ramp M (entrance ramp from SR 19/51 to SR 376 WB) to Ramp B (exit ramp from SR 376 WB to Parkway Center)
- Possibly construct an auxiliary lane from Ramp A (entrance ramp from Parkway Center to SR 376 EB) to the proposed exit ramp at Banksville
- Update overhead signing to accommodate new ramp and lanes. Signing limits will extend to Greentree Interchange
- Full depth widening and paving as required along SR 376, Banksville Road (SR 19), and SR 19/51 Ramps



# SR 376-A59 Banksville Interchange

- **Anticipated Let Date:** October 2021





# ➤ 2020 Allegheny County Group Paving Projects

- **Group Project #1:**

- SR 1001 (Pittsburgh St./Freeport Rd.) – Cheswick Borough, Springdale Borough, and Springdale Township
- SR 1014 (Hite Rd.) – Harmar Township and Springdale Township
- SR 1015 (Pearl Ave./Russellton Rd./Little Deer Creek Rd.) – Harmar Township and Indiana Township
- SR 1028 (Bakerstown Rd.) – Fawn Township and Harrison Township



# ➤ 2020 Allegheny County Group Paving Projects

- **Group Project #2:**

- SR 0008 (Ardmore Blvd./Penn Ave.) – Wilkinsburg Borough
- SR 0008 (Butler St.) – City of Pittsburgh
- SR 0400 (Baum Blvd./Penn Ave.) – City of Pittsburgh
- SR 1003 (North Canal St.) – Sharpsburg Borough
- SR 2108 (Beeler St./Wilkins Ave./S. Dallas Ave.) – City of Pittsburgh
- SR 2110 (Penn Ave.) – Wilkinsburg Borough and Churchill Borough
- SR 4004 (Seavey Rd./Parker St.) – Shaler Township
- SR 4024 (Elfinwild Rd.) – Shaler Township



# ➤ 2020 Allegheny County Group Paving Projects

- **Group Project #3:**

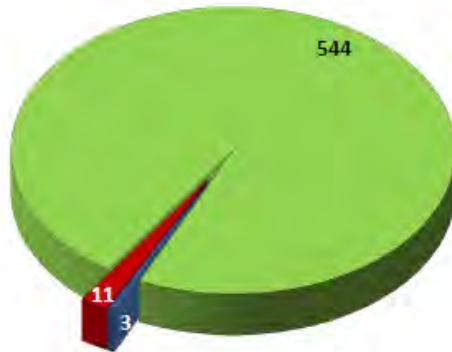
- SR 0130 (Broadway Blvd./Fifth St.) – Monroeville Borough, Pitcairn Borough, and Trafford Borough
- SR 0286 (Golden Mile Highway) – Plum Borough
- SR 2066 (Lott Rd./Old Frankstown Rd.) – Penn Hills Township, Plum Borough, and Monroeville Borough





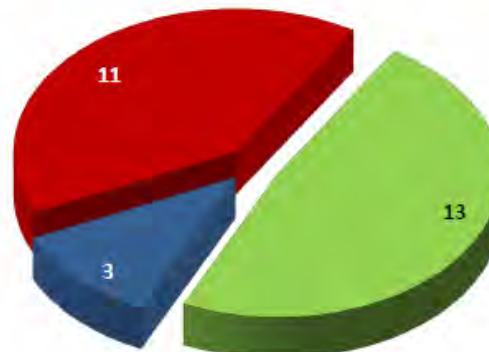
# Rapid Bridge Replacement Project Update

Total Program - Construction



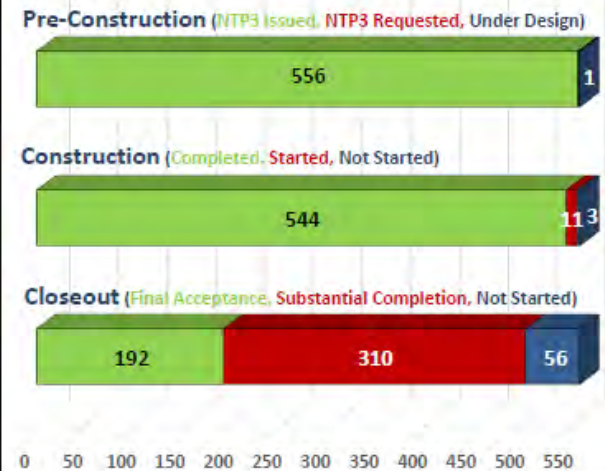
■ Bridges Remaining ■ Under Construction ■ Open to Traffic

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

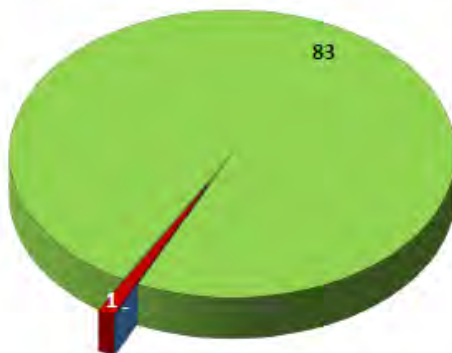


■ Bridges Remaining ■ Under Construction ■ Open to Traffic

Status by Phase - Total Program



Total Construction Program - District 11-0



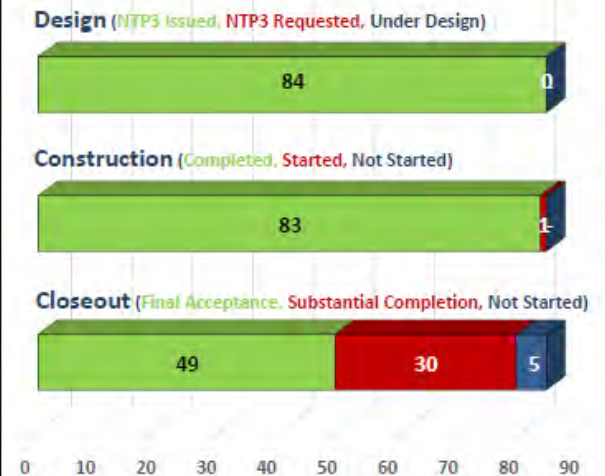
■ Bridges Remaining ■ Under Construction ■ Open to Traffic

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	LINKS
County Liquid Fuels			June 1 and December 1	<a href="#">MS-991</a> January 31	<a href="#">PennDOT PUB 9</a>
Municipal Liquid Fuels			March 1	<a href="#">MS-965</a> January 31	<a href="#">PennDOT PUB 9</a>
				<a href="#">Report of Elected Officials</a> January 31	
				<a href="#">Survey of Financial Conditions</a> March 15	



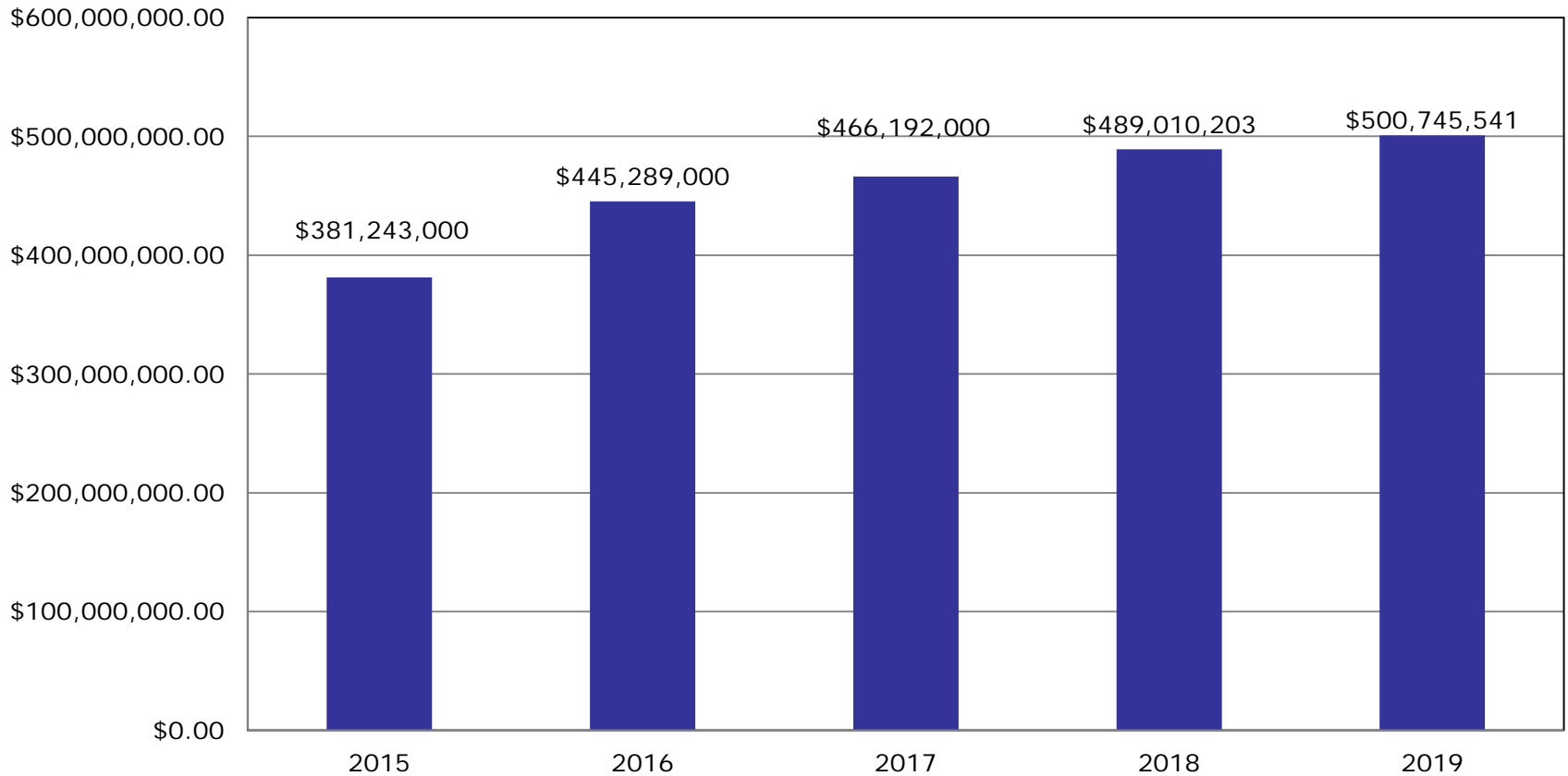
# ➤ Municipal Liquid Fuels Tax Fund Allocation

- 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](mailto:dwoodall@pa.gov)
- **Barry DeAngelis- Municipal Services Specialist**  
Phone: 412-429-4813 Email: [badeangeli@pa.gov](mailto:badeangeli@pa.gov)
- **Tony Ryan- Municipal Services Specialist**  
Phone: 412-429-4812 Email: [antryan@pa.gov](mailto: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.



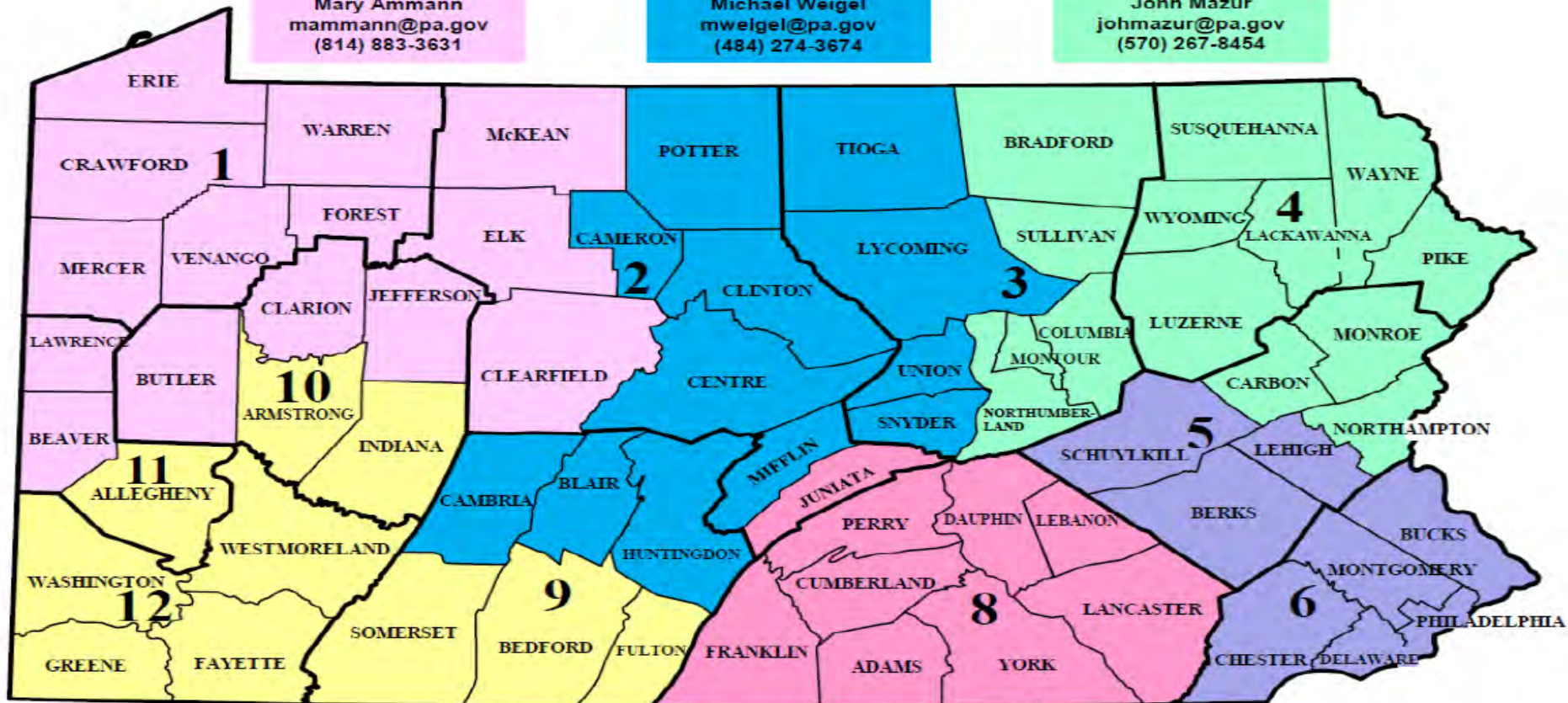
# SERVICES FOR LOCAL GOVERNMENTS

## FINANCIAL CONSULTANT COVERAGE AREAS

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

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

John Mazur  
johnmazur@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.**



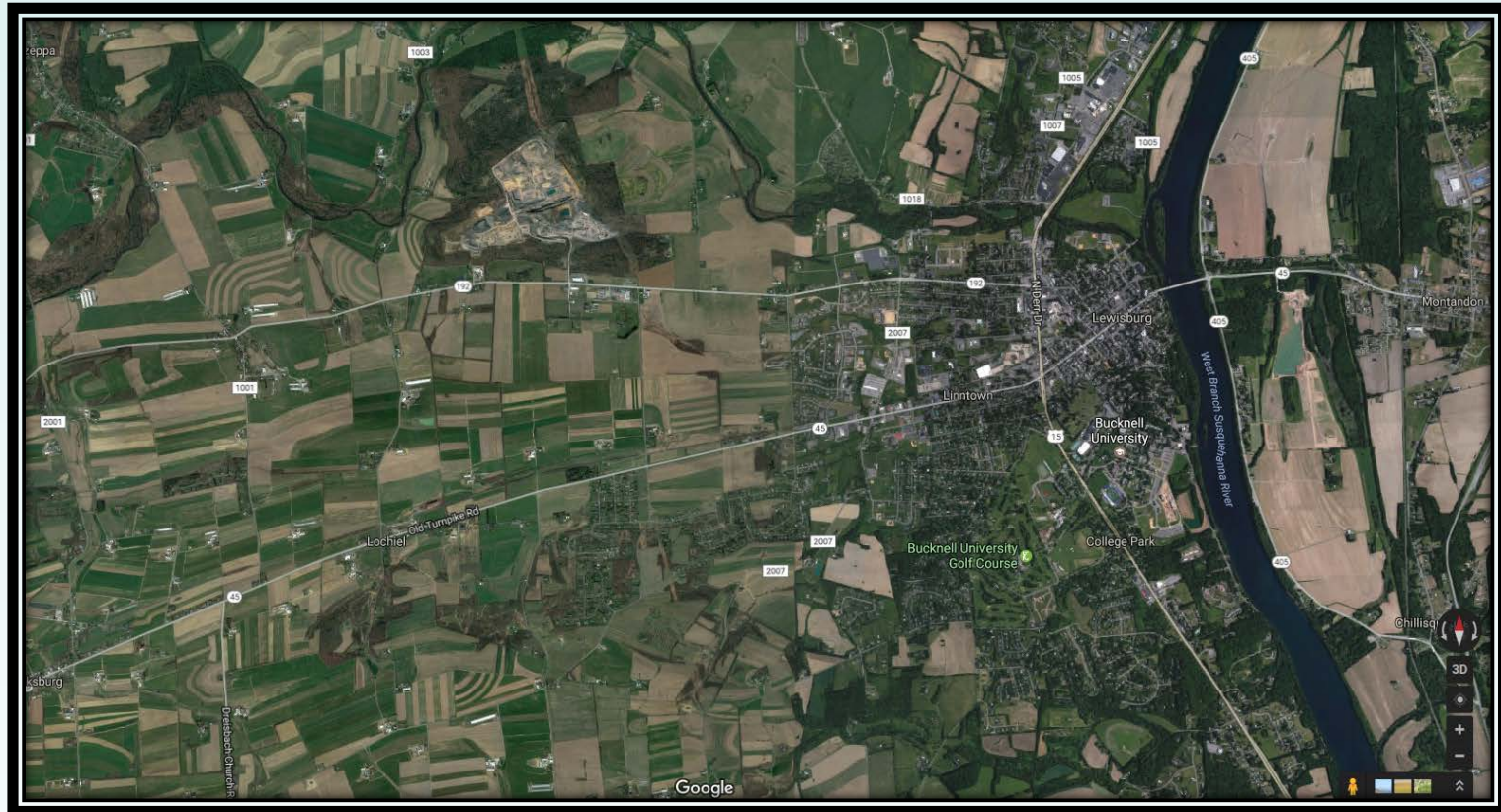
# Policy Approved December 2016



PennDOT  
DEPARTMENT OF TRANSPORTATION

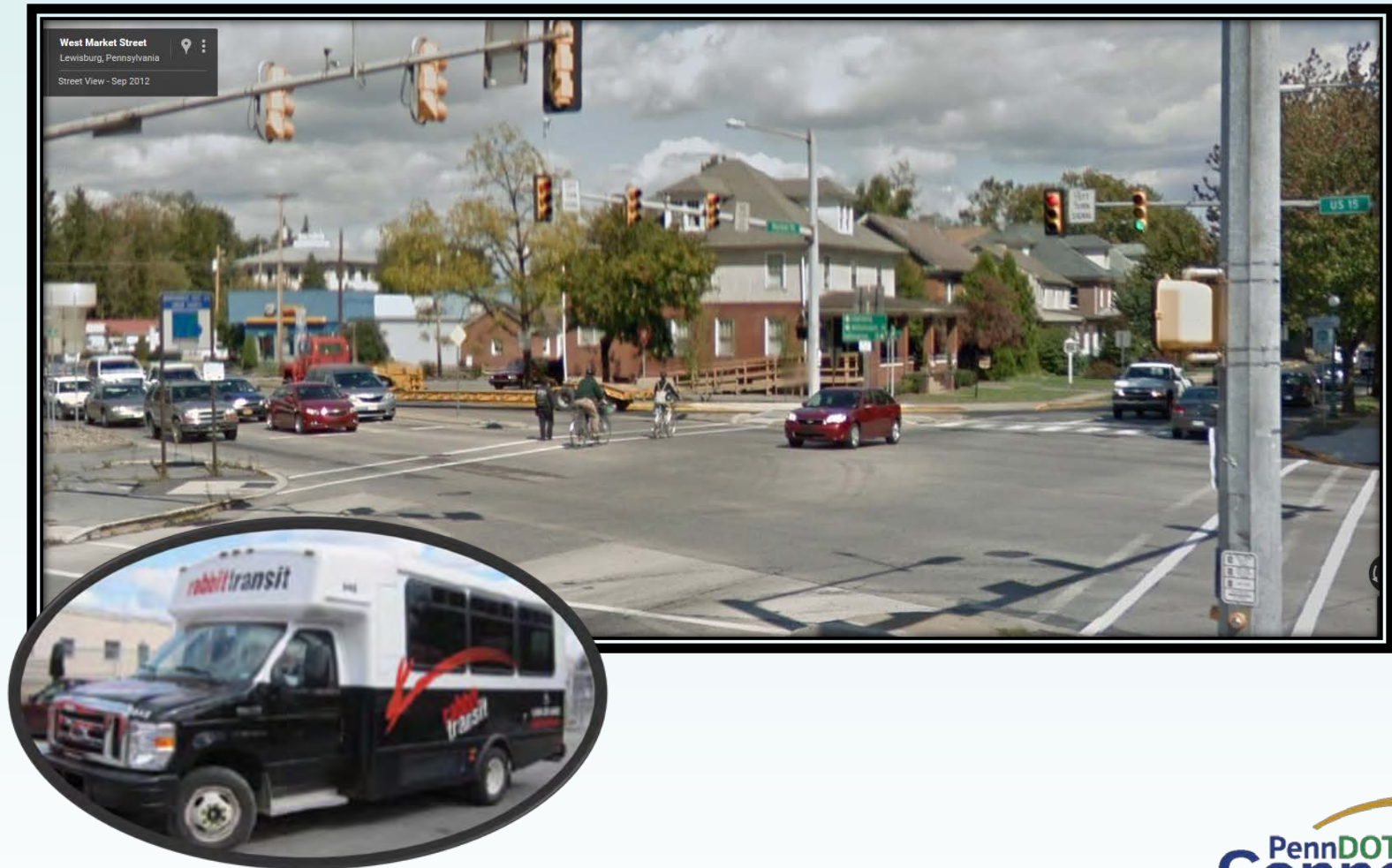


# A road is more than the line between 2 points





# Consider all users





# Community Collaboration





# 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

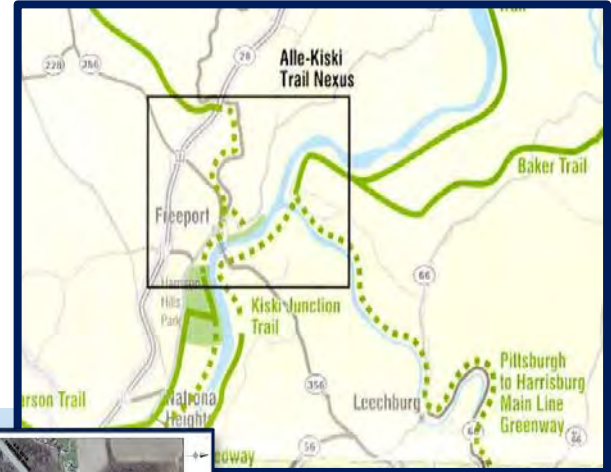
- PennDOT and our planning partners meet with local governments to discuss details for each project prior to developing project scopes and cost estimates.
- All mobility needs are considered.
  - Bicycle
  - Pedestrian
  - Transit
  - Freight
  - Operations and ITS
  - Utilities
  - Community health
  - 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 7<sup>th</sup> 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](http://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 7<sup>th</sup>, 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](http://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](http://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](mailto:stcowan@pa.gov)



# *Questions?*

