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
Cheryl Moon-Sirianni, P.E.
District Executive
412-429-5001
<table>
<thead>
<tr>
<th></th>
<th>Allegheny</th>
<th>Beaver</th>
<th>Lawrence</th>
<th>Totals</th>
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</thead>
<tbody>
<tr>
<td>Miles of Roadway</td>
<td>1,484</td>
<td>668</td>
<td>417</td>
<td>2,569</td>
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<tr>
<td>Bridges</td>
<td>1,182</td>
<td>338</td>
<td>277</td>
<td>1,797</td>
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<td>Tunnels</td>
<td>4</td>
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<td>1,436</td>
<td>911</td>
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<td>Winter Agreements</td>
<td>1533</td>
<td>172</td>
<td>109</td>
<td>1,814</td>
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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
# Road & Bridge Progress

<table>
<thead>
<tr>
<th>Statewide</th>
<th>Total Projects</th>
<th>Total Cost</th>
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<tr>
<td>Completed</td>
<td>2760</td>
<td>$6,190,968,393</td>
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<tr>
<td>Underway</td>
<td>745</td>
<td>$6,081,893,155</td>
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<tr>
<td>Four Year</td>
<td>1767</td>
<td>$13,250,484,342</td>
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<tr>
<td>Twelve Year</td>
<td>2584</td>
<td>$4,565,946,765</td>
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<tr>
<td>Under Development</td>
<td>1111</td>
<td>$4,192,590,873</td>
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<tr>
<td>Rapid Bridge Replacement</td>
<td>555</td>
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</table>

www.projects.penndot.gov
PROJECT LETTING TRENDS

Dollars: Billions
# of Projects
* Projected

Pennsylvania
DEPARTMENT OF TRANSPORTATION
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)**

<table>
<thead>
<tr>
<th>Interstate</th>
<th>NHS</th>
<th>ADT&gt;2000</th>
<th>ADT&lt;2000</th>
<th>Totals</th>
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<tbody>
<tr>
<td>Miles</td>
<td>Dollars</td>
<td>Miles</td>
<td>Dollars</td>
<td>Miles</td>
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<tr>
<td>222</td>
<td>$235,536,000</td>
<td>702</td>
<td>$54,949,105</td>
<td>900</td>
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<table>
<thead>
<tr>
<th>Bridges</th>
<th>Dollars</th>
<th>Bridges</th>
<th>Dollars</th>
<th>Bridges</th>
<th>Dollars</th>
<th>Bridges</th>
<th>Dollars</th>
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<tr>
<td>62</td>
<td>$197,015,000</td>
<td>33</td>
<td>$220,412,628</td>
<td>30</td>
<td>$48,773,115</td>
<td>28</td>
<td>$29,326,855</td>
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**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**

<table>
<thead>
<tr>
<th>TIP Cycle</th>
<th>Project Costs</th>
<th>Maintenance Costs</th>
<th>Total</th>
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<tr>
<td>2019</td>
<td>$432,551,000</td>
<td>$10,000,000</td>
<td>$442,551,000</td>
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<tr>
<td>2023</td>
<td>$650,000,000</td>
<td>$30,000,000</td>
<td>$680,000,000</td>
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</table>
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.
<table>
<thead>
<tr>
<th>Description</th>
<th>Location/Route</th>
<th>Repair/Repair</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Various Cleanup Efforts</td>
<td></td>
<td></td>
<td>$ 65,000</td>
</tr>
<tr>
<td>Bathtub - DF</td>
<td></td>
<td></td>
<td>$ 70,000</td>
</tr>
<tr>
<td>Bathtub - Contractor</td>
<td></td>
<td></td>
<td>$ 80,000</td>
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<tr>
<td>Geotech Contractor</td>
<td></td>
<td></td>
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<tr>
<td>Glass Run Road</td>
<td></td>
<td>Wall Failure Repair</td>
<td>$ 55,000</td>
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<tr>
<td>Peoples/Babcock Road</td>
<td></td>
<td>Repair</td>
<td>$ 180,000</td>
</tr>
<tr>
<td>Peoples/Babcock Road</td>
<td></td>
<td>Culvert Replacement</td>
<td>$ 5,000,000</td>
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<tr>
<td>Stewart Avenue/SR 51</td>
<td></td>
<td>Culvert Replacement</td>
<td>$ 900,000</td>
</tr>
<tr>
<td>SR 51</td>
<td></td>
<td>Erosion Repair</td>
<td>$ 10,000</td>
</tr>
<tr>
<td>Banksville Interchange</td>
<td></td>
<td>Landslide Repair</td>
<td>$ 35,000</td>
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<tr>
<td>SR 48 Mosside Boulevard</td>
<td></td>
<td>Landslide Repair</td>
<td>$ 100,000</td>
</tr>
<tr>
<td>SR 30 - Beaver County</td>
<td></td>
<td>Landslide Repair</td>
<td>$ 25,000</td>
</tr>
<tr>
<td>Additional Damages</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SR 4011 Achortown Road</td>
<td></td>
<td>Landslide</td>
<td>$ 1,000,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>$ 7,460,000</strong></td>
</tr>
</tbody>
</table>

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
Joel Morris
Community Relations Coordinator
412-429-5011
Customer Service

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.
For urgent issues, call the associated PennDOT County Office.

New Concerns
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**

**Sponsor-A-Highway**
https://pennsylvania-sponsor-a-highway.com/

**Great American Cleanup of PA**
(March 1 – May 31st)
http://www.keeppabeautiful.org/
• **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.

PA State Highway Law – 1945
Circular Letters E-2211 and RM 93-04
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 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
County Maintenance Overview

Michele Yeager
Assistant Manager
Chippewa Section

Dave Lancaster
Assistant Manager
Aliquippa Section

George Parks
Assistant Manager
Rochester Section
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

[Map showing shoulder cutting routes in Pennsylvania]

[Image of a grader working on a road]
## 2019 Shoulder Cutting Routes

### Aliquippa Section Shoulder Cutting

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

<table>
<thead>
<tr>
<th>State Route</th>
<th>Road Name</th>
<th>Mileage</th>
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</thead>
<tbody>
<tr>
<td>3002</td>
<td>Clearview Road</td>
<td>8.5</td>
</tr>
<tr>
<td>3036</td>
<td>Gringo Independence</td>
<td>3.7</td>
</tr>
<tr>
<td>3038</td>
<td>Heights Road</td>
<td>2.9</td>
</tr>
<tr>
<td>3040</td>
<td>Bocktown Road</td>
<td>0.8</td>
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<tr>
<td>8003</td>
<td>Aliquippa Interchange</td>
<td>2.8</td>
</tr>
<tr>
<td>8005</td>
<td>Center Interchange</td>
<td>1.6</td>
</tr>
<tr>
<td>9101</td>
<td>Indep./Bocktown Ramp</td>
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</tr>
<tr>
<td>9102</td>
<td>Pleasant/Broadhead Ramp</td>
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**Total Mileage:** 71.5
## 2019 Shoulder Cutting Routes

### Chippewa Section Shoulder Cutting

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<th>Road Name</th>
<th>Mileage</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>Big Beaver Boulevard</td>
<td>2.6</td>
</tr>
<tr>
<td>51</td>
<td>Constitution Boulevard</td>
<td>12.4</td>
</tr>
<tr>
<td>68</td>
<td>Midland Road</td>
<td>17.6</td>
</tr>
<tr>
<td>168</td>
<td>Salem Church/Centennial</td>
<td>34.8</td>
</tr>
<tr>
<td>251</td>
<td>Blackhawk Road</td>
<td>11.5</td>
</tr>
<tr>
<td>551</td>
<td>Wallace Run Road</td>
<td>18.0</td>
</tr>
<tr>
<td>4002</td>
<td>Anderson Road</td>
<td>8.5</td>
</tr>
<tr>
<td>4003</td>
<td>Kenforest Drive</td>
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</tr>
<tr>
<td>4006</td>
<td>Friendship Road</td>
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<tr>
<td>4008</td>
<td>Braun Road</td>
<td>4.6</td>
</tr>
<tr>
<td>4010</td>
<td>Achortown Road</td>
<td>9.0</td>
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<tr>
<td>4012</td>
<td>Brady’s Run Road</td>
<td>14.6</td>
</tr>
<tr>
<td>4014</td>
<td>Cove Hill Road</td>
<td>0.3</td>
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**Total Mileage: 196.2**

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<td>4015</td>
<td>McKinley Road</td>
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<tr>
<td>4016</td>
<td>Beaner Hollow Road</td>
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</tr>
<tr>
<td>4018</td>
<td>Dutch Ridge Road</td>
<td>8.0</td>
</tr>
<tr>
<td>4019</td>
<td>Park Road</td>
<td>10.3</td>
</tr>
<tr>
<td>4022</td>
<td>Lisbon Road</td>
<td>13.8</td>
</tr>
<tr>
<td>4023</td>
<td>Braden School Road</td>
<td>1.0</td>
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<tr>
<td>4025</td>
<td>Braden School Road</td>
<td>0.5</td>
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<tr>
<td>4029</td>
<td>Ridgemont Drive</td>
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<tr>
<td>4040</td>
<td>Thirty Seventh Street Ext.</td>
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<td>4041</td>
<td>Paradise Road</td>
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**Total Mileage: 196.2**
## 2019 Drainage Routes

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<tr>
<td>1002</td>
<td>Cherryhill Road</td>
<td>310</td>
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<tr>
<td>1008</td>
<td>Hoenig Road</td>
<td>140</td>
</tr>
<tr>
<td>1011</td>
<td>Ninth Street</td>
<td>80</td>
</tr>
<tr>
<td>3009</td>
<td>Raccoon Creek Road</td>
<td>30</td>
</tr>
<tr>
<td>3011</td>
<td>Independence Road</td>
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<tr>
<td>3015</td>
<td>Bunker Hill Road</td>
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<tr>
<td>3021</td>
<td>Patterson Road</td>
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<tr>
<td>3025</td>
<td>Bocktown Cork Road</td>
<td>60</td>
</tr>
<tr>
<td>3034</td>
<td>Century Farm Road</td>
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</tr>
<tr>
<td>3036</td>
<td>Gringo Independence</td>
<td>120</td>
</tr>
<tr>
<td>168</td>
<td>Salem Church Road</td>
<td>360</td>
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Total Linear Feet: 2900

<table>
<thead>
<tr>
<th>State Route</th>
<th>Road Name</th>
<th>Linear Feet</th>
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<tbody>
<tr>
<td>3036</td>
<td>Gringo Independence</td>
<td>120</td>
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<tr>
<td>168</td>
<td>Salem Church Road</td>
<td>360</td>
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<tr>
<td>351</td>
<td>Fairlane Boulevard</td>
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<tr>
<td>551</td>
<td>Hollow Road</td>
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<tr>
<td>588</td>
<td>Briarcliff Road</td>
<td>20</td>
</tr>
<tr>
<td>4008</td>
<td>Eighth Street</td>
<td>50</td>
</tr>
<tr>
<td>4022</td>
<td>Lisbon Road</td>
<td>80</td>
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<tr>
<td>4041</td>
<td>Paradise Road</td>
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Total Linear Feet: 2900
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<th>Mileage</th>
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<tbody>
<tr>
<td>18</td>
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<tr>
<td>18</td>
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</tr>
<tr>
<td>30</td>
<td>Lincoln Highway</td>
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<tr>
<td>588</td>
<td>Steffin Hill Road</td>
<td>23.2</td>
</tr>
<tr>
<td>989</td>
<td>Eighth Street</td>
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<tr>
<td>1028</td>
<td>Big Knob Road</td>
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</tr>
<tr>
<td>1030</td>
<td>Rochester Road</td>
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<td>Massachusetts Avenue</td>
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<td>2001</td>
<td>Phillips Street</td>
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<tr>
<td>2005</td>
<td>Conway Walrose Road</td>
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<tr>
<td>2008</td>
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<tr>
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</tr>
<tr>
<td>3027</td>
<td>Pine Street</td>
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**Total Dept. Mileage:** 114.2
2019 Crack Sealing Routes – Contract
# 2019 Crack Sealing Routes – Contract

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<tbody>
<tr>
<td>51</td>
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<tr>
<td>51</td>
<td>Pennsylvania Avenue</td>
<td>14.5</td>
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<tr>
<td>65</td>
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<tr>
<td>9101</td>
<td>Bocktown/Independence Ramp</td>
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<tr>
<td>9102</td>
<td>Brodhead/Pleasant Ramps</td>
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<tr>
<td>8023</td>
<td>SR 51/Aliquippa Ambridge Ramp</td>
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<td>8004</td>
<td>Shippingport Bridge Ramps</td>
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<tr>
<td>8039</td>
<td>Bridgewater Ramps</td>
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**Total Contract Mileage:** 119.4
2019 Seal Coat Routes
2019 Seal Coat Routes
## 2019 Seal Coat Routes

### State Route

<table>
<thead>
<tr>
<th>State Route</th>
<th>Road Name</th>
<th>Mileage</th>
</tr>
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<tbody>
<tr>
<td>288</td>
<td>Zelienople Road</td>
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</tr>
<tr>
<td>989</td>
<td>River Road Ext.</td>
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</tr>
<tr>
<td>1001</td>
<td>River Road</td>
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</tr>
<tr>
<td>1003</td>
<td>Brighton Road</td>
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<tr>
<td>1005</td>
<td>Chapel Drive</td>
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</tr>
<tr>
<td>1006</td>
<td>Mercer Road</td>
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</tr>
<tr>
<td>1008</td>
<td>Shadyrest Road</td>
<td>5.1</td>
</tr>
<tr>
<td>1009</td>
<td>Old Furnace Road</td>
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<tr>
<td>1010</td>
<td>Lake Road</td>
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<tr>
<td>1011</td>
<td>North Camp Run</td>
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<tr>
<td>1012</td>
<td>Harpers Ferry Road</td>
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<td>Hartzell School Road</td>
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### State Route

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<td>1066</td>
<td>Chapel/Riverview</td>
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<td>2004</td>
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<td>2006</td>
<td>Lovi Road</td>
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**Total Sealcoat Mileage:** 64.4
### 2019 Beaver Base Repair Group Project

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<td>251</td>
<td>Blackhawk Road</td>
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<tr>
<td>3013</td>
<td>Independence Road</td>
<td>800</td>
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<tr>
<td>3020</td>
<td>Service Creek Road</td>
<td>400</td>
</tr>
<tr>
<td>3022</td>
<td>Clearview/Tank Farm Road</td>
<td>400</td>
</tr>
<tr>
<td>4006</td>
<td>Friendship/Shenango Road</td>
<td>1050</td>
</tr>
<tr>
<td>4010</td>
<td>Achortown Road</td>
<td>1940</td>
</tr>
<tr>
<td>4017</td>
<td>Shenango Road</td>
<td>1945</td>
</tr>
<tr>
<td>4022</td>
<td>Lisbon Road</td>
<td>3060</td>
</tr>
<tr>
<td>4029</td>
<td>Ridgemont Road</td>
<td>6800</td>
</tr>
<tr>
<td>4041</td>
<td>Paradise Road</td>
<td>1695</td>
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</table>

**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
• 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

Pennsylvania Department of Transportation
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
North Sewickley Twp.
Chapel Road (SR1005) over Branch of Conoquenessing Creek
- Full Culvert Replacement
- Long-term Closure
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
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
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.
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)
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.
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)
• $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
• $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
$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
• 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
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
• 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
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
Design Division

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

Groscoast 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.
Existing SR 2004 – Freedom Crider Road

Proposed Roadway

- Typical Section:
  - Two 11’ lanes
  - 8’ shoulders
- Earthwork
- Vertical and Horizontal adjustments
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: 3
- Under Construction: 13
- Open to Traffic: 544

**2019 Construction Season (5 Planned Starts)**

- Bridges Remaining: 11
- Under Construction: 3
- Open to Traffic: 22

**Total Construction Program - District 11-0**

- Bridges Remaining: 1
- Under Construction: 83
- Open to Traffic: 83

**2019 Construction Season - District 11-0**

- Bridges Remaining: 1
- Under Construction: 1
- Open to Traffic: 1

**Status by Phase - Total Program**

- Pre-Construction (NTP3 Issued, NTP3 Requested, Under Design):
  - 556
  - 1

- Construction (Completed, Started, Not Started):
  - 544
  - 11

- Closeout (Final Acceptance, Substantial Completion, Not Started):
  - 162
  - 310
  - 56

**Status by Phase - District 11-0**

- Design (NTP3 Issued, NTP3 Requested, Under Design):
  - 84
  - 0

- Construction (Completed, Started, Not Started):
  - 83
  - 1

- Closeout (Final Acceptance, Substantial Completion, Not Started):
  - 49
  - 30
  - 5
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.
• 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
<table>
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<tr>
<th>FUNDING TYPE</th>
<th>MUNICIPAL</th>
<th>COUNTY</th>
<th>PAYMENT</th>
<th>REQUIRED REPORT(S)</th>
<th>ADDITIONAL INFORMATION</th>
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<td>June 1 and December 1</td>
<td>MS-991 January 31</td>
<td>PennDOT PUB 9</td>
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<td>March 1</td>
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<td>Report of Elected Officials January 31</td>
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<td>Survey of Financial Conditions March 15</td>
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Pennsylvania DEPARTMENT OF TRANSPORTATION
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 Fuels: 5-Year History

- 2015: $381,243,000
- 2016: $445,289,000
- 2017: $466,192,000
- 2018: $489,010,203
- 2019: $500,745,541
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.
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.
IT ALL BEGINS WITH PLANNING.
Policy Approved December 2016

PennDOT Connects
Planning with our communities
A road is more than the line between 2 points
Consider all users
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
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.
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
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
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
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
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](http://www.511PA.com) offers its standard traffic and incident information while adding PennDOT plow-truck locations, winter roadway conditions, and other services.
• 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