Somerset County Construction Projects
Awarded Contracts
Mud Pike Improvements

• **Scope:** Resurfacing, Guide Rail, Drainage, Signal Upgrades, (4.4 Miles) and Structure Replacements
• **Traffic Control:** Daylight Flagging & Detour (6.9 Miles)
• **Construction Timeframe:** Apr. 2020 – Nov. 2020
• **Contractor:** New Enterprise Stone & Lime Co., Inc.
• **Current Contract:** $11,700,833.65
Mud Pike Over Millers Run

- **Scope:** Bridge Replacement
- **Traffic Control:** Temporary Road (Max Duration 150 Days)
• **Scope:** Culvert Replacement
• **Traffic Control:** Detour - 6.9 Miles (August 1, 2020 – August 30, 2020)
Route 3010 (East Mud Pike Road) beginning at the intersection of Route 2031 (Garrett Shortcut Road) continuing east to Route 2047 (Mason Dixon Highway)
BrothersValley Township

Tubs Run – Culvert Replacement
Detour (6.9 Miles)
Brothersvalley Township

66” Pipe Replacement
Detour (6.9 Miles)
Brothersvalley Township

Miller’s Run – Bridge replacement
Temporary Road
Brothersvalley Township
Route 4023 – Route 985 to Route 601

• **Scope:** Resurfacing, Drainage, and Guide Rail (4.2 Miles)
  **Traffic Control:** Daylight Flagging
• **Construction Timeframe:** Apr. 2020 – Jun. 2020
• **Contractor:** Grannas Bros. Stone & Asphalt Co., Inc.
• **Current Contract:** $1,611,816.55
Route 4023 – Route 985 to Route 601

Jenner Township and Boswell and Jennerstown Boroughs
Route 2047 - Brotherton Road to Berlin/Somerset

• **Scope:** Resurfacing (8.8 Miles)

• **Traffic Control:** Daylight flagging and Two Detours (6.0 Mile One Way on route 3041 (NB) & 6.5 Miles on route 2047(NB)

• **Construction Timeframe:** Apr. 2020 – Nov. 2020 & Apr. 2021 – Aug. 2021

• **Contractor:** HRI, Inc.

• **Current Contract:** $10,029,729.31
Route 2047 - Brotherton Road to Berlin/Somerset

Route 2047 from Route 1003 (Brotherton Rd) to T-732 (Craig Rd)

Brothersvalley and Somerset Townships
Route 2047 - Brotherton Road to Berlin/Somerset

Route 3041 from Route 219 to Route 31
One-Way (NB) Detour Length (6.0 miles) - 2019
Brothersvalley and Somerset Townships
Route 2047 - Brotherton Road to Berlin/Somerset

Route 2047 from Route 1003 (Brotherton Road) to T-732 (Craig Rd)
Detour (6.5 Miles) NB - 2020
Brothersvalley and Somerset Townships
Contracts to be bid
2020 HFST District Wide Contract

- **Scope:** High Friction Surface Treatment (Route 8011)
- **Traffic Control:** Daylight Flagging
- **Construction Estimate:** $1.0 - $5.0 Million
- **Anticipated Bid Opening:** 2nd Quarter 2020
2020 HFST District Wide Contract

Route 8011 (NB 219 Off Ramp)
High Friction Surface Treatment
Conemaugh Township
• **Scope:** Resurfacing, FDR, Guiderail & Drainage (6.1 Miles)
• **Traffic Control:** Daylight Flagging & Daylight Detours
• **Construction Estimate:** $1.0 - $5.0 Million
• **Anticipated Bid Opening:** 2nd Quarter 2020
Route 4009 (Husband Road) from Route 31 to Route 4001 (East Bakersville Edie Road) through Lincoln and Somerset Townships and Somerset Borough
On Route 4009 (Husband Road) from Route 31 to Route 4001 (East Bakersville Edie Road)
Daylight Detour 1 (6.5 Miles)
Lincoln and Somerset Townships and Somerset Borough
On Route 4009 (Husband Road) from Route 31 to Route 4001 (East Bakersville Edie Road)
Daylight Detour 2 (8.3 Miles)
Lincoln and Somerset Townships and Somerset Borough
Route 4016 – Route 985 to Route 4035

- **Scope:** Resurfacing, Guide Rail & Drainage (2.9 Miles)
- **Traffic Control:** Daylight Flagging
- **Construction Estimate:** Less than $1.0 Million
- **Anticipated Bid Opening:** 2nd Quarter 2020
On Route 4016 (Moonlite Park Road) from Route 985 (Somerset Pike) to Route 4035 (Woodstown Highway)

Conemaugh Township
• **Scope:** Resurfacing, Guide Rail & Drainage (1.2 Miles)
• **Traffic Control:** Daylight Flagging
• **Construction Estimate:** $1.0 - $5.0 Million
• **Anticipated Bid Opening:** 2\textsuperscript{nd} Quarter 2020
On Route 4028 (Main Street) from Route 30 to Route 281
Quemahoning Township and Stoystown Borough
• **Scope:** Resurfacing & Guide Rail (0.1 Miles)
• **Traffic Control:** Daylight Flagging
• **Construction Estimate:** Less than $1.0 Million
• **Anticipated Bid Opening:** 2nd Quarter 2020
On Route 4053 (Oak Avenue) from Route 30 to Route 4028 (W Main Street)

Stoystown Borough and Quemahoning Township
• **Scope:** Sidewalk Replacement
• **Traffic Control:** Daylight Flagging
• **Construction Estimate:** $1.0 - $5.0 Million
• **Anticipated Bid Opening:** 2nd Quarter 2020
Installation of new or replacement of unsafe sidewalk on Route 2030 (Main Street) from Route 160 (Cumberland Street) to Route 219 (Broadway Street)

Berlin Borough
September 11th National Memorial Trail

- **Scope:** Trail Construction
- **Traffic Control:** Daylight Flagging
- **Construction Estimate:** Less than $1.0 Million
- **Anticipated Bid Opening:** 3rd Quarter 2020
Construction of a pedestrian/bicycle trail beginning at the section of the Great Allegheny Passage trail at Garrett, PA, continuing north 1.25 miles toward Berlin, PA

Summit and Brothers Valley Townships
• **Scope:** Box Culvert Placement  
• **Traffic Control:** Detour (8.5 Miles)  
• **Construction Estimate:** Less than $1.0 Million  
• **Anticipated Bid Opening:** 3rd Quarter 2020
Route 985 Trb Beaverdam Run Bridge

On Route 985 over Tributary to Beaverdam Run near the intersection of T-721 (Pelesky Road)
Detour (8.5 Miles)
Jenner Township
Route 985 Trib Bens Creek Bridge

- **Scope:** Box Culvert Placement
- **Traffic Control:** Detour (4.9 Miles)
- **Construction Estimate:** $1.0 - $5.0 Million
- **Anticipated Bid Opening:** 3rd Quarter 2020
On Route 985 over Tributary to Bens Creek near the intersection of T-586 (Brehm Road)
Detour (4.9 Miles)
Jenner Township
Thank You

Questions?
Somerset County
Maintenance Activities

Joseph A. Kelemen II
County Manager
Who to Contact in Your Area

Adam Pritts
445-7905
apritts@pa.gov

Greg Baumgardner
445-7905
gcbaumgard@pa.gov

Dale Bihun
445-7905
dbihun@pa.gov
2019 Winter Agreements & 5 Year Dept. History

7 Winter Municipal Service Agreements with Hooversville & Somerset Boroughs, along with Fairhope, Jefferson, Quemahoning, Summit, & Upper Turkeyfoot Townships

Totaling 41.7 Miles

Avg. Rate - $1,742 / mile

5 Year Department Winter Material Usage & Cost

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
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<td>COST (000's)</td>
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<td>$ 5,888</td>
<td>$ 6,764</td>
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2020 Department Force Work Summary

- **Paving**
  - 1.9 miles on Route 2029
  - Estimated Cost - $380,000

- **Seal Coating**
  - 92.2 miles on 18 routes
  - Estimated Cost - $1,383,000

- **Bridge Construction**
  - 1 Structure - Route 4008
  - Estimated Cost - $200,000
2020 Department Force Paving

Route 2029
Creek Road
1.9 miles
2020 Department Force Seal Coat

Route 1004
Main Street/Corn er Stone Road
2.49 miles

Route 1003
Coleman Station Road/ Listie Road/ Brotherton Road
13.97 miles
Route 1033
Verla Drive/
Centennial Drive/
Hagevo Road/
Arrow Road/
Railroad Street/
Graham Ave/
Ashtola Drive
6.53 miles

Route 1031
Horn Road/Camp
Drive
4.03 miles

Route 1027
Charles Street
2.25 miles
Route 2020
Poorbaugh Road/Glencoe Road
4.13 miles

Route 2015
Glencoe Road
5.01 miles
2020 Department Force Seal Coat

Route 2023
White Horse Road/Salco Road/Hay Street
4.16 miles

Route 2018
Owl Hollow Road/Light Farm Hill Road
3.79 miles
2020 Department Force Seal Coat

Route 2029
Creek Road
1.9 miles
2020 Department Force Seal Coat

Route 3029
Copper Kettle Highway/Countyline Road
5.99 miles

Route 3037
Trent Road
3.75 miles
Route 4016
Moonlite Park Road
2.88 miles

Route 4022
Main Street/
Carpenter Park Road/
Cottage Lane
4.37 miles
Route 4023
Million Dollar Highway
4.21 miles
2020 Department Force Bridge Project

- Segment 10
- Jenner Township
- Box Culvert
  - June 1 to Aug 21
- $ 200,000
- 8.3 mile Detour
2020 Department Force Bridge Project

- Route 4008 Box Culvert Over Spruce Run
- 8.3 Mile Detour
2020 Agility Agreements

Sipesville Fire Hall

Multiple uses of their Meeting Room for Base Repair & Seal Coat of their parking lot

Lower Turkeyfoot Township

Provide mowing for the department in exchange for salt brine

Somerset Township

Exchange of winter services

Other Possible Activities

- Sign Replacements
- Crack Sealing
- Shoulder Cutting
- Pipe Cleaning and Flushing
  - Salt Brine
Additional County Activities

- Patching
- Guiderail Repairs and Upgrades
- Sign Replacements
- Crack Sealing
- Shoulder Cutting
- Bridge Maintenance
- Drainage Improvements
- Mowing
QUESTIONS?

THANK YOU FOR YOUR ATTENTION!
Somerset County Design Overview

Vince Greenland, P.E.
Assistant District Executive - Design
State DOTs are no longer just held accountable for the transportation system; they are also held accountable for how the system supports and improves quality of life for communities.
Identify needs of communities and related issues early in project planning

Consider community transportation needs

- Bicycle and pedestrian accommodations
- Transit access
- Stormwater management
- Freight
- Utilities
- Green infrastructure
Bike Accommodations

- **For bike lanes on state owned roadways**
  Municipalities interested in creating Bike facilities shall indicate so during the PennDOT Connects process. The PennDOT District Bicycle/Pedestrian (BP) Coordinator during the project scoping process can advise in the conceptual stage of the project. As the Bike Lane plan develops, at some point it will be necessary for the Municipality to accept maintenance responsibility.
PennDOT Connects

• Progress since Fall of 2016
  – (2017, 2019, and 2021 TIP’s)
    • 545 Projects
    • 192 Municipalities

• Additional Planned 2021 TIP (Summer 2020)
  • 21 Candidate Projects
  • 22 Municipalities

NOTE: If project spans more than one municipality, multiple interview forms are generated
Implementation Progress since Fall 2016

**Projects**

<table>
<thead>
<tr>
<th>Considered</th>
<th>Bid</th>
<th>Underway</th>
<th>Unfunded</th>
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</thead>
<tbody>
<tr>
<td>136*</td>
<td>29</td>
<td>65</td>
<td>42</td>
</tr>
</tbody>
</table>

*Outreach for 3 projects is planned for this summer*

**Municipalities**

<table>
<thead>
<tr>
<th>Contacted</th>
<th>Met With</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>38</td>
</tr>
</tbody>
</table>
ALTERNATE SOURCES
Overview

- Award must be matched with local funding by not less than 30%
- Improve freight and passenger mobility
- Maximize the benefits of capital investment
- Promote safety
- Spur economic development through transportation improvements
- Multimodal Transportation Fund application window for FY 2020-21 currently closed
- Award announcements for FY 2020-21 projects have not been announced yet
Overview

- Award must be matched with local funding for pre-construction costs
- Introduced as part of Moving Ahead for Progress in the 21st Century (MAP-21) in July 2012
- Combines Transportation Enhancements, Safe Routes to School, Scenic Byways, and Recreational Trails Programs
- Project and sponsor eligibility criteria are different than Transportation Enhancements
- Transportation Alternatives Set-Aside application window currently closed
- Next TA Set-Aside funding round anticipated in summer 2020
Eligible Projects

- Bicycle and pedestrian facilities
- Bicycle and pedestrian education (grades k-8 only)
- Conversion of abandoned railway corridors to trails
- Construction of turnouts, overlooks, and viewing areas
- Outdoor advertising management
- Historic preservation and rehabilitation of historic transportation facilities
- Vegetation management
- Archeological activities
- Storm water management
- Wildlife mortality mitigation
- Safe Route to School – Infrastructure Projects
Overview

- Administered by DCNR: Bureau of Recreation & Conservation
- Award must be matched with local funding for 50%

Types of Funded Projects

- Planning, Acquisition, and development of public parks
- Recreation areas
- Motorized and non-motorized trails
- River conservation and access
- Conservation of open space

Grants also support regional and statewide partnerships that build capacity to better develop and manage resources
Recessed pavement markings are markings that are mechanically depressed/cut into a pavement surface to a point that snow plow blades cannot erase them from the pavement surface.

This installation method was developed to extend the life of the durable and more expensive pavement markings.

Markings are kept safe, allow for greater retro-reflectivity, and limit replacement cycles.
Full Depth Reclamation (FDR)

FDR Candidate Road

- Thin Asphalt Layer
- Deterioration beyond point of “patching” to Repair
3 Step Process
- Grind existing pavement structure
- Stabilize
  - Use additive (typically cement)
  - Grade and compact
- Resurface

Equipment Required
- Reclaimer
- Grader
- Sheepfoot roller
- Smooth vibratory drum roller
- Paver
Full Depth Reclamation (FDR)
Full Depth Reclamation (FDR)

Completed FDR
Binder Course
Full Depth Reclamation (FDR)

Benefits

- End product is essentially a new road
- Considerable service life
- Eliminates the need for base repair and overlaying, which typically results in reflective cracking of the pavement
- Exceptional ride quality
District 9 Recent FDR Locations:

- Huntingdon Co., Blacklog Valley Rd, Shirley Twp
- Bedford Co., Riddlemoser Rd, Juniata Twp
- Cambria Co., Tower Rd/Ott Rd, East Carroll Twp, West Carroll Twp, Elder Twp and Susquehanna Twp
- Somerset Co., Wilkow Rd, Stonycreek Twp
Current Design Projects
**Scope:** Resurfacing with lane & shoulder widening where possible, reconstruction, bridge replacements, signal upgrades, and guiderail updates

**Construction Estimate:** $1.0 - $5.0 Million

**Anticipated Bid Opening:** 1st Quarter 2021
US 30 – PA 160 to Bedford Co Line

Lincoln Highway (US 30) – PA 160 to Bedford Co. line
Shade, Stonycreek & Allegheny Townships
**Scope:** Resurfacing with lane & shoulder widening where possible, reconstruction and guiderail updates (8.6 miles)

**Construction Estimate:** $5.0 - $10.0 Million

**Anticipated Bid Opening:** 3rd Quarter 2020
PA 403 – Cambria Co. to Wilbur Rd
Quemahoning, Paint and Shade Twps, Hooversville Borough
**Scope:** Resurfacing with lane & shoulder widening where possible, reconstruction, structure rehabilitations, culvert replacements, signal upgrades and guiderail updates (8.6 miles)

**Construction Estimate:** $5.0 - $10.0 Million

**Anticipated Bid Opening:** 4th Quarter 2021
PA 403 – US 219 to PA 985

Explore slide issue, 4/10 mile south of Ferndale Ave

Slide location
Exploring flattening of the curve just south of Greenhouse Rd
The Corridor study on the Mason Dixon Highway (US 219) from the southern terminus of the Meyersdale Bypass to the Maryland State line was completed in January 2020.

- Short, mid, and long-term projects have been identified as part of the study.
- These projects include safety and maintenance improvements as well as signage upgrades.
- Consultant Selection will be advertised when funding is identified for the development of these corridor improvements.
Mason Dixon Hwy
Summit & Elklick Twps & Salisbury Borough
**Scope:** Slope stabilization at four locations in Elk Lick Twp. First location ¾ mile south of Salisbury Borough (shifting alignment 14’ toward river), three remaining locations are North of Boynton.

**PennDOT Connects:** Engles Mills Road Sight Distance Improvement included in project North of Boynton

**Construction Estimate:** $1.0 Million - $5.0 Million

**Anticipated Bid Opening:** 1st Quarter 2021
US 219 Salisbury Rockfall

Embarkment & Cut Slope
Elk Lick Township
**Scope:** Surface improvement and bridge rehabilitation activities as needed, on Flight 93 Memorial Hwy from Berlin Plank Rd Exit to the US 30 Exit

**Construction Estimate:** $12.0 - $17.0 Million

**Anticipated Bid Opening:** 2024
Thank You

Questions?