Fulton County Construction Overview

Tom Helsel
Assistant Construction Engineer
Awarded Contracts
• **Scope:** Bridge Rehabilitation
  • Part of a grouped contract for 11 non-composite deck replacements in Bedford(5), Fulton(5), and Huntingdon(1) Counties
• **Traffic Control:** Detour (5.8 Miles) 12 Calendar Weeks Max
• **Construction Timeframe:** Mar 2020 – Nov 2020
• **Contractor:** Cottle’s Asphalt Maintenance Inc.
• **Current Contract:** $1,792,159.85
T-338 Laurel Ridge Road Bridge

Detour (5.8 miles)

Ayr Township
• **Scope:** Bridge Rehabilitation
  - Part of a grouped contract for 11 non-composite deck replacements in Bedford(5), Fulton(5), and Huntingdon(1) Counties
• **Traffic Control:** Phased Construction 12 Calendar Weeks Max
• **Construction Timeframe:** Mar 2020 – Nov 2020
• **Contractor:** Cottle’s Asphalt Maintenance Inc.
• **Current Contract:** $1,792,159.85
**T-404 Reunion Ground Road Bridge**

- **Scope:** Bridge Rehabilitation
  - Part of a grouped contract for 11 non-composite deck replacements in Bedford(5), Fulton(5), and Huntingdon(1) Counties

- **Traffic Control:** Detour (5.0 Miles) 7 Calendar Weeks Max

- **Construction Timeframe:** Mar 2020 – Nov 2020

- **Contractor:** Cottle’s Asphalt Maintenance Inc.

- **Current Contract:** $1,792,159.85
T-404 Reunion Ground Road Bridge

T-404 (Reunion Ground Road) over Licking Creek
Detour (5.0 Miles)
Licking Creek Township
• **Scope:** Bridge Rehabilitation  
  * Part of a grouped contract for 11 non-composite deck replacements in Bedford(5), Fulton(5), and Huntingdon(1) Counties

• **Traffic Control:** Detour (7.5 Miles) 7 Calendar Week Max  
• **Construction Timeframe:** Mar 2020 – Nov 2020  
• **Contractor:** Cottle’s Asphalt Maintenance Inc.  
• **Current Contract:** $1,792,159.85
T-331 East Pittman Road Bridge

T-331 (East Pittman Road) over Licking Creek
Detour (7.5 Miles)
Thompson Township
• **Scope:** Bridge Rehabilitation
  • Part of a grouped contract for 11 non-composite deck replacements in Bedford(5), Fulton(5), and Huntingdon(1) Counties

• **Traffic Control:** Detour (4.8 Miles) 10 Calendar Weeks Max

• **Construction Timeframe:** Mar 2020 – Nov 2020

• **Contractor:** Cottle’s Asphalt Maintenance Inc.

• **Current Contract:** $1,792,159.85
T-366 Old Route 126 Bridge

T-366 (Old Route 126) over McKees Run
Detour (4.8 Miles)
Union Township
• **Scope:** Bridge Replacement
• **Traffic Control:** Detour (4.5 Miles)
• **Construction Timeframe:** Jun 2020 – Oct 2020
• **Contractor:** Wen-Brooke Contracting Inc.
• **Current Contract:** $685,860.82
T-457 Tannery Road Bridge

T-457 (Tannery Road) over North Branch Blacklick of Little Augwick Creek
Detour (4.5 Miles)
Dublin Township
I-70 Bridges over PA 915

• **Scope:** Bridge Preservation
• **Traffic Control:** Daylight Flagging
• **Construction Timeframe:** May - Oct 2020
• **Contractor:** Clearwater Construction Inc.
• **Current Contract:** $998,000.00
I-70 Bridges over PA 915

Interstate 70 over Route 915 and Little Brush Creek
Brush Creek Township
Contracts to be bid
• **Scope**: High Friction Surface Treatment
  • 1 of 9 locations for the 2020 HFST Project being done across all 6 counties (Route 522)
• **Traffic Control**: Daylight Flagging
• **Construction Estimate**: $1.0 – 5.0 Million
• **Anticipated Bid Opening**: 2nd Quarter 2020
2020 HFST District Wide Contract

Route 522 (Great Cove Road)
High Friction Surface Treatment
Belfast Township
Thank You
Fulton County Maintenance Activities

Mark J. Yeckley
County Manager
Who to Contact in Your Area

Randy Barrick
485-3816
rabarrick@pa.gov

Edward Mickey
485-3816
emickey@pa.gov
No Winter Municipal Service Agreements at this time.

Avg. Rate - $ 959 / 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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</thead>
<tbody>
<tr>
<td>SALT (tons)</td>
<td>2,764</td>
<td>3,496</td>
<td>4,344</td>
<td>6,639</td>
<td>2,365</td>
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<td>SKID (tons)</td>
<td>4,666</td>
<td>4,950</td>
<td>5,705</td>
<td>9,125</td>
<td>2,844</td>
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<tr>
<td>BRINE (gals)</td>
<td>62,870</td>
<td>62,119</td>
<td>70,634</td>
<td>111,043</td>
<td>36,868</td>
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<tr>
<td>COST (000’s)</td>
<td>$ 1,448</td>
<td>$ 1,690</td>
<td>$ 1,568</td>
<td>$ 2,132</td>
<td>$ 1,002</td>
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</table>
2020 Department Force Work Summary

• **Seal Coating**
  - 33.3 miles on 8 routes
  - Estimated Cost - $500,000

• **Bridge Construction**
  - Route 3013 over Trib. to Cummings Run
  - Estimated Cost - $200,000
2020 Department Force Seal Coat

Route 1005
Aughwick Road
6.03 miles
2020 Department Force Seal Coat

Route 2003
Gem Bridge Road
7.04 miles

Route 2005
Timber Ridge Road
5.29 miles
2020 Department Force Seal Coat

Route 3007
Pleasant Grove Road/Deneens Gap Road
9.55 miles
2020 Department Force Bridge Project

- Segment 100
- Belfast Township
- Install Box Culvert
  - Jun 1 to Aug 21
- $200,000
- 4.7 mile Detour

Route 3013 Bridge over Trib. To Cummings Run
2020 Department Force Bridge Project

Route 3013 Bridge over Tributary to Cummings Run Detour Map

- 4.7 miles
2020 Agility Agreements

No active work plans are in place at this time

Possible Activities

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

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

THANK YOU FOR YOUR ATTENTION!
Fulton County Design Overview

Vince Greenland
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.
PennDOT Connects

- 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
Fulton County PennDOT Connects Implementation Summary

Implementation Progress since Fall 2016

**Projects**

<table>
<thead>
<tr>
<th>Considered</th>
<th>Bid</th>
<th>Underway</th>
<th>Unfunded</th>
</tr>
</thead>
<tbody>
<tr>
<td>37*</td>
<td>14</td>
<td>9</td>
<td>14</td>
</tr>
</tbody>
</table>

*Outreach for 2 projects is planned for this summer

**Municipalities**

<table>
<thead>
<tr>
<th>Contacted</th>
<th>Met With</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>11</td>
</tr>
</tbody>
</table>
ALTERNATE SOURCES
PennDOT Multimodal Transportation Fund

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
Community Conservation Partnerships Program (C2P2)

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)

- 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
- Sheepsfoot roller
- Smooth vibratory drum roller
- Paver
Full Depth Reclamation (FDR)
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
• **Project Type:** Truck Turnaround

• **Location:** On US 30 (Lincoln Highway) near the intersection of Thunder Rock Road in Brush Creek Township

• **Construction Program Year:** 2025

• Recommendation from US 30 Breezewood Truck Study
US 30 Truck Study Turnaround

- 2.5 miles east of Breezewood
- Appears to be an existing turnaround
- Has a sign for the existing restriction
- In an approximately 220-ft wide strip of land between US 30 and the Turnpike
- Should serve the subset changing their minds well
- May still have numerous turnarounds in interchange and Tannery Road if not addressed by signing
- Cost estimate $750K to $1 million
US 30 Truck Study Turnaround
Scope: Resurfacing, intersection improvements, signal upgrades, access management and rehabilitation of four bridges, on PA 16 (Lincoln Way East), US 522 (Second St) to Franklin County in McConnellsburg Borough and Ayr Twp.

Construction Estimate: $1.0 to $5.0 Million

Anticipated Bid Opening: 1st Quarter 2021
PA 16 – US 522 to Franklin Co Line

Lincoln Way East and Buchanan Trail
McConnellsburg Borough & Ayr Twp.
Scope: Resurfacing, signage and guiderail upgrades, on Great Cove Rd (US 522) from Lincoln Way East (PA 16) to PA Turnpike overpass in Todd & Dublin Townships and McConnellsburg Borough

Construction Estimate: $5.0 to $8.0 Million
Anticipated Bid Opening: 1st Quarter 2024
US 522 – US 30 to Turnpike

Lincoln Way East / Buchanan Trail
McConnellsburg Borough & Ayr Twp.
Scope: Resurfacing on Croghan Pike (US 522) in Dublin Township Fulton Co. and on Great Cove Rd (US 522) in Dublin Township Huntingdon Co. The project extends from the PA Turnpike bridge in Fulton Co. to Shade Valley Rd (PA 35) in Huntingdon Co.

Construction Estimate: $1.0 to $5.0 Million

Anticipated Bid Opening: 1st Quarter 2021
Thank You!