

2017 ACPA / PennDOT Bus Tour



2017 ACPA / PennDOT Bus Tour

About PennDOT

- PennDOT was created from the former Department of Highways by Act 120 in May 1970.
- PennDOT owns and maintains the nation's 5th largest state highway system with nearly 40,000 miles and the 3rd largest state maintained bridge system with 25,000.
- PennDOT owns more miles of state highway than New York, New Jersey and all New England states combined.
- PennDOT's regional Engineering District 6 office manages state highways in Bucks, Chester, Delaware, Montgomery and Philadelphia counties – the state's most populated and congested region.
- PennDOT is financed through the state's Motor License Fund.



2017 ACPA / PennDOT Bus Tour

PennDOT Engineering District 6 Consists of 4 Engineering Areas:

- Design – Charles Davies
- Transportation Services – Lou Belmonte
- Construction – George Dunheimer
- Maintenance – John Krafczyk



Administration:

- Fiscal Office – Jeff Darcas
- Human Resources – Karen Brown
- Legislative Affairs – Gene Blaum
- Press Office – Brad Rudolph



2017 ACPA / PennDOT Bus Tour

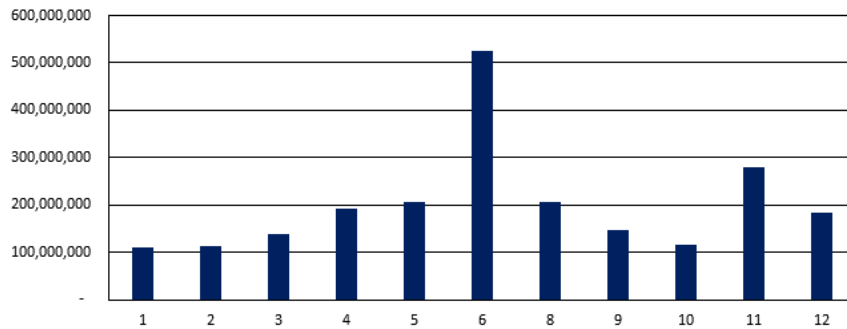
PennDOT District 6 Numbers

- **Miles of State Highway:** 3,556 miles and 8,845 lane miles
- **Number of State Bridges:** 2,755 bridges (11%) totaling 25.64 msf of deck area (25%)
- **In Philadelphia:** PennDOT maintains 361 linear miles and 420 bridges.
- **Maintenance Budget:** \$167M
- **Average Annual Capital Lettings (2012-16):** \$525M
- **Traffic Signals:** 5,869 (43%) of the 13,557 statewide traffic signals are in District 6
- **Population:** 33% of the total population, 33% of the legislature, 24% of the registered vehicles, 24% of the daily vehicle miles traveled
- **ITS:** 1,272 ITS devices (49%) with 1,326 in the remainder of the state



2017 ACPA / PennDOT Bus Tour

Average Lettings, 2012 through 2016



2017 ACPA / PennDOT Bus Tour

2017 Design - Major Projects

In 2017, District 6 aims to let 70 projects worth a potential \$550M. Notable projects include:

- I-95 GR 4, Philadelphia (\$240M Estimate)
- PA 3 Bridge Reconstruction (\$103,589,848 – Buckley Inc.)
- U.S. 1 Improvement, Bucks Co. (\$80M Estimate)
- U.S. 422 Reconstruction Pottstown area, Montgomery Co. (\$35,581,408 – H&K Group)
- I-95 Resurfacing, Bucks Co. (\$29,633,134 – James J. Anderson)
- Markley Street/U.S. 202 South Improvement, Montgomery Co. (\$20M – Estimate)
- I-76 Resurfacing, Montgomery County (\$21,150,735 – JD Eckman)
- 14 contracts to resurface 235 segment miles



Chestnut Street Bridge in Philadelphia



U.S. 322 in Delaware County



2017 ACPA / PennDOT Bus Tour

2017 Design - Funding

TRANSPORTATION IMPROVEMENT PROGRAM

Capital Investment

- **2017 DVRPC 4-Year TIP Summary (\$1.74B)**
 - Bridge, \$656M
 - Highway Construction, \$538M
 - Highway Restoration, \$229M
 - Safety, \$264M
 - Trails and Enhancements, \$55M
- **Interstate Management Program: \$760M** over four years.



2017 ACPA / PennDOT Bus Tour

Transportation Services

- Reviewed 4,715 Highway Occupancy Permits in 2016, with 99.2% of the reviews done within the established 30-day turnaround goal.
- Issued 44,046 Special Hauling Permits in 2016.
- Assisted 15,747 motorists in 2016 and 11,394 so far in 2017 as part of PennDOT's State Farm Expressway Safety Patrol.
- Completed closure of all open expressway medians in southeastern Pennsylvania and Emphasizing Low-Cost Safety and High-Friction Surface initiatives.
- Coordinated and planned major events in Philadelphia with external partners: World Meeting of Families and Papal Visit in 2015; Democratic National Convention in 2016; NFL Draft in 2017.



2017 ACPA / PennDOT Bus Tour

Enhancing Travel with Modern Transportation Technologies

- PennDOT's Regional Traffic Management Center in King of Prussia operates 24/7 to provide traveler information, assist emergency responders, and expedite the reopening of travel lanes restricted by incidents and debris.
- Increasing the use of Traffic Adaptive Signal Systems
- Modernizing traffic signal systems on arterial roadways running parallel to I-76 between King of Prussia, Norristown and Philadelphia to control signal operations in real-time during incidents on I-76. New signal systems will be owned and managed by PennDOT under Green Light-Go program.
- First deployment of Active Traffic Management (ATM) technologies underway on I-76, along with multi-modal initiatives, to directly address the region's most congested corridor.



2017 ACPA / PennDOT Bus Tour

Active Traffic Management Strategies



Variable Speed Limits and Queue Detection



Dynamic Lane Assignments and Junction Control



Ramp Metering

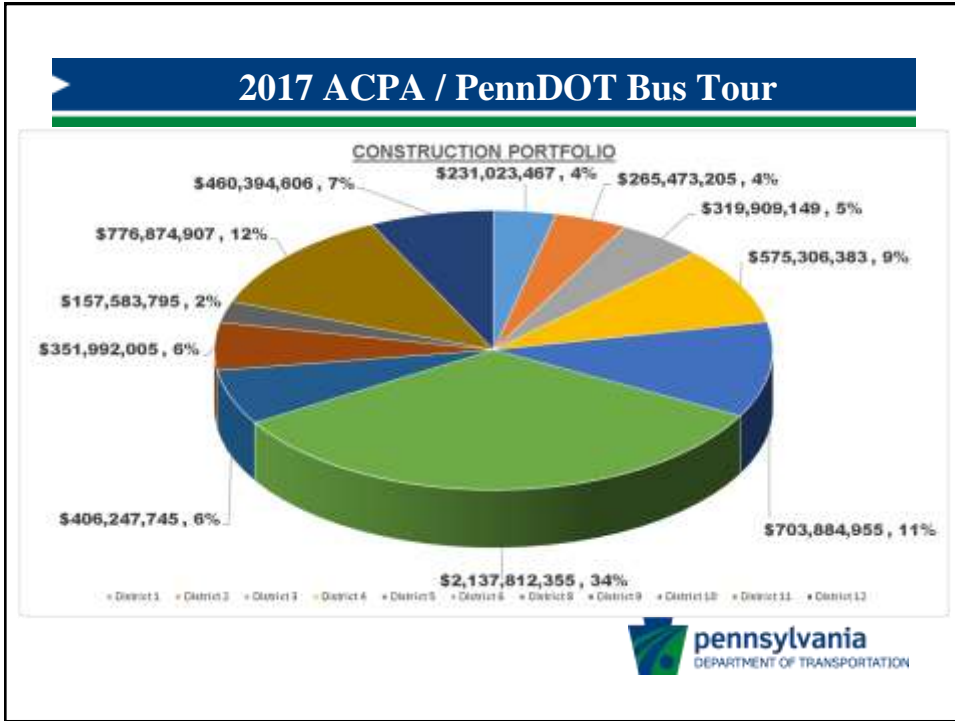


Part-Time Shoulder Use



Multimodal Transit Improvements





2017 ACPA / PennDOT Bus Tour

Construction

125 projects worth \$2.1B currently in construction.

- U.S. 422 Bridge & Highway Improvements at Valley Forge, Montgomery County (\$97.3M), and in Pottstown area (\$73.3M and \$36M) in Chester and Montgomery counties
- I-95 at Betsy Ross Bridge/Adams Avenue Connector, Philadelphia (\$81M)
- U.S. 322 Widening, Delaware Co. (\$62.6M)
- U.S. 202 bridges over Amtrak, Chester Co. (\$26.4M)
- PA 452 Bridge Replacement, Delaware Co. (\$19.9M)
- JFK Boulevard Bridges Rehabilitation, Philadelphia (\$15.9M)
- Pottstown Signal System Improvements (52 signals), Montgomery Co. (\$13.3M)
- PA 926 bridge replacement over Brandywine Creek, Chester Co. (\$8.6M)

U.S. 422 Improvements in Valley Forge

PA 926 Bridge Construction in Chester County

2017 ACPA / PennDOT Bus Tour

Construction- Concrete Paving Projects

ECMS	SR/Section	Description	Quantity (SY)
79903	0095/BR0	I-95 Betsy Ross Interchange	11,524
79685	0095/CP2	I-95 Cottman/Princeton Interchange	79,611
79826	0095/GR3	I-95 Columbia-Ann St. North	17,047
95366	0202/3RR	US 202 over AMTRAK	29,596
13609	0202/S01	US 202: E State - Mechanicsville	9,750
95439	0276/D10	I-95/I276 Interchange (TP Mainline)	3,546
95444	0276/D20	I-95/I276 Interchange (I95 Mainline)	168,309
64222	0422/M1A	US 422 Armand-Hammer Interchange	24,205
66986	0422/M2A	US 422 over Schuylkill @ Stowe	9,194
84308	0422/M2C	US 422 Berks to Schuylkill River	82,172
70197	0422/SRB	US 422 Betzwood Bridge	56,114
103562	1026/H04	Adams Ave/Aramingo Connector	22,616
Total:			513,684



2017 ACPA / PennDOT Bus Tour

Construction – PCCP by Type

Pavement Type	Quantity (SY)
Long-Life Concrete Pavement, 9" Depth	17,932.00
Long-Life Concrete Pavement, 11" Depth	64,240.00
Subtotal:	82,172.00
Plain Cement Concrete Pavement, 9" Depth	13,854.00
Plain Cement Concrete Pavement, 10" Depth	1,651.00
Plain Cement Concrete Pavement, 11" Depth	29,295.00
Plain Cement Concrete Pavement, 12" Depth	33,142.00
Subtotal:	77,942.00
Plain Cement Concrete Pavement, RPS, 9" Depth	7,619.00
Plain Cement Concrete Pavement, RPS, 11" Depth	34,009.00
Plain Cement Concrete Pavement, RPS, 12" Depth	67,256.00
Plain Cement Concrete Pavement, RPS, 14" Depth	97,066.00
Plain Cement Concrete Pavement, RPS, 15" Depth	147,620.00
Subtotal:	353,570.00
Total:	513,684.00



2017 ACPA / PennDOT Bus Tour

RECENTLY COMPLETED PROJECTS



*Sullivan's Trail Bridge, U.S. 202-300, I95-GR2
Widening, Speakman Covered Bridge*



2017 ACPA / PennDOT Bus Tour

Maintenance

- Reengineered maintenance plan to focus on resurfacing poorest pavements and aggressively applying preventative maintenance strategies.
- Developed state highway maintenance plan using Overall Pavement Index (OPI).
- Plan to resurface 235 segment miles in 2017.
- Placed 82,600 tons of asphalt patching in 2015-16
- Performed crack sealing on 1,400 lane miles in FY 2015 and 2016 to preserve older pavements;
- Budgeted \$22.5M for winter services in 2016-17



2017 ACPA / PennDOT Bus Tour



Road MaP Program



2017 ACPA / PennDOT Bus Tour

PennDOT Connects

Goal: Better Communities and Mobility Powered through Collaboration

- **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 over all quality of life
- **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.



How PennDOT Connects 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	Freight	Community health
Pedestrian	Operations and ITS	Stormwater management
Transit	Utilities	Green infrastructure



2017 ACPA / PennDOT Bus Tour

Road Maintenance and Preservation Program (Road MaP)

- PennDOT to invest an estimated \$2.1 billion in roadway maintenance and highway and bridge capital projects over next 10 years.
- Made possible due to 2016 legislative action which caps Motor License Fund expenditures toward PA State Police budget beginning with the 2018-19 budget and concluding with 2027-28 budget.
- \$1.1 billion to highway and bridge capital projects. Of this, \$500 million allocated to an Interstate preservation and reconstruction program. Another \$600 million will go toward highway and bridge capital projects.
- \$1 billion allocated to county maintenance to support basic system preservation needs by supplementing the county budget allocations which haven't changed since 2005-06.
- Program will see additional estimated \$63 million in the 2017-18 state fiscal year through Governor Wolf's budget proposal of a \$25 per capita fee for municipalities with exclusive State Police enforcement coverage.



2017 ACPA / PennDOT Bus Tour

QUESTIONS?

