



TIP Actions

Transportation Improvement Program

New Jersey TIP (FY2018-2021)

Pennsylvania TIP (FY2019-2022)

October 2019



Regional Traffic Management Center (RTMC) General Contract

Montgomery County | Cost Increase



edvpc

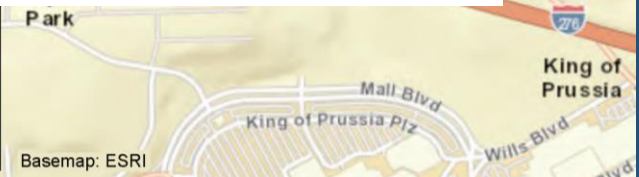
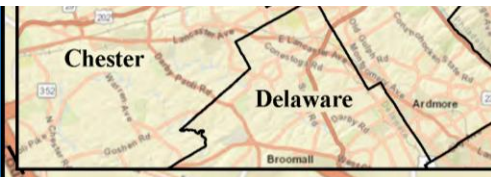
▶ TIP AMENDMENT

- ▶ **ACTION:** Increase the CON phase by \$12,552,000 (FY20: \$2,295,000 STU; FY21: \$9,205,000 STU; FY22: 1,052,000 STU)
- ▶ **Reason:** To cover winning bid for the new District 6-0 RTMC
- ▶ **Background:**
 - ▶ Involves construction of new RTMC and parking structure on existing PennDOT 6-0 office property in King of Prussia
 - ▶ Design-build contract issued by the Department of General Services (DGS); PennDOT will lead technical requirements
 - ▶ Due to DGS confidentiality requirements, specific cost breakdowns are not available

WEST NORRITON



REGIONAL TRAFFIC MANAGEMENT CENTER AND PARKING STRUCTURE



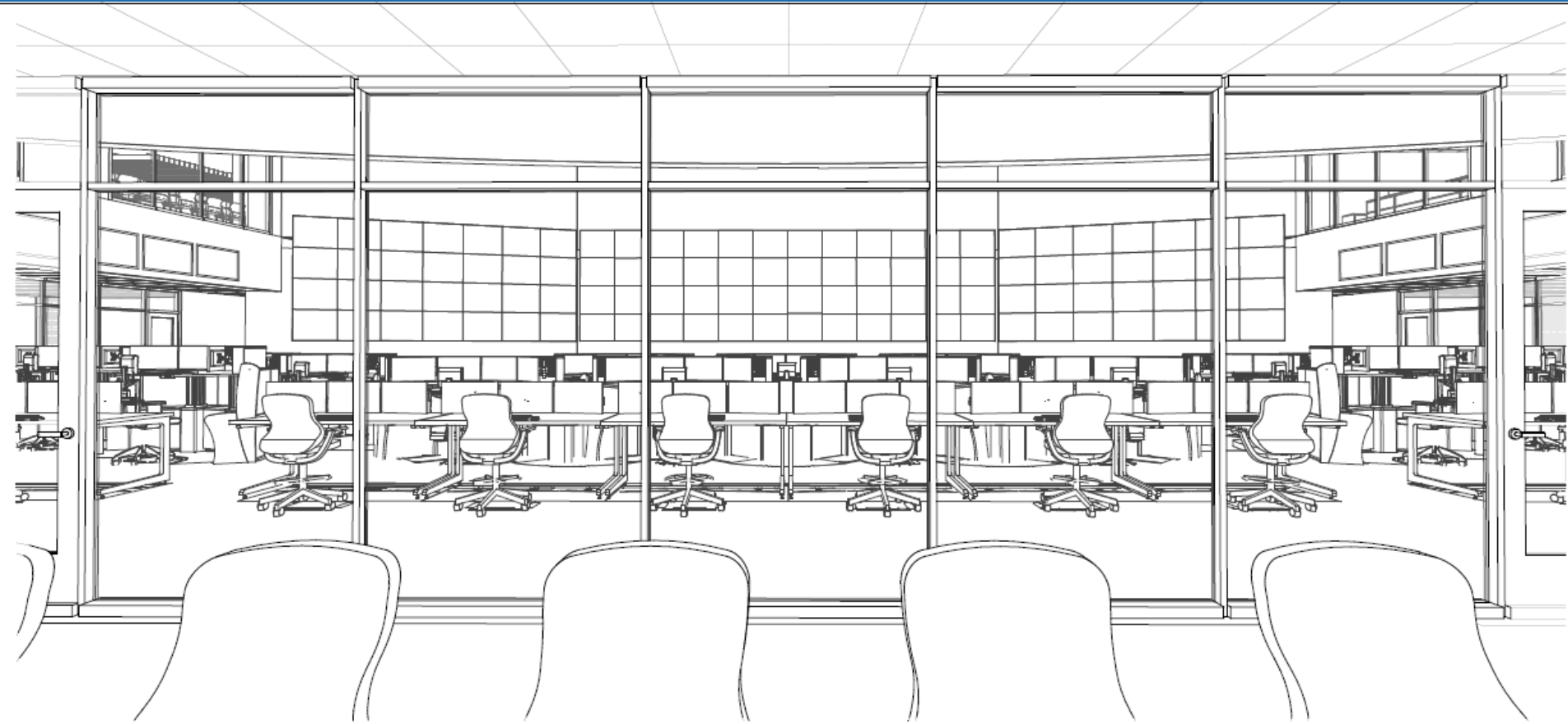
Basemap: ESRI



REGIONAL TRAFFIC MANAGEMENT CENTER AND PARKING STRUCTURE



INCIDENT COMMAND CENTER FLOOR VIEW



Modern ICS includes:

- ▶ Command Center, meeting facilities
- ▶ Media/press room

TIP Action | Proposed – PA



Recommend Board approval of TIP Amendment:

Regional Traffic Management Center (RTMC) General Contract

Increase the CON phase by \$12,552,000 (FY20: \$2,295,000 STU; FY21: \$9,205,000 STU; FY22: 1,052,000 STU) from \$47,400,000 to a total of \$59,952,000

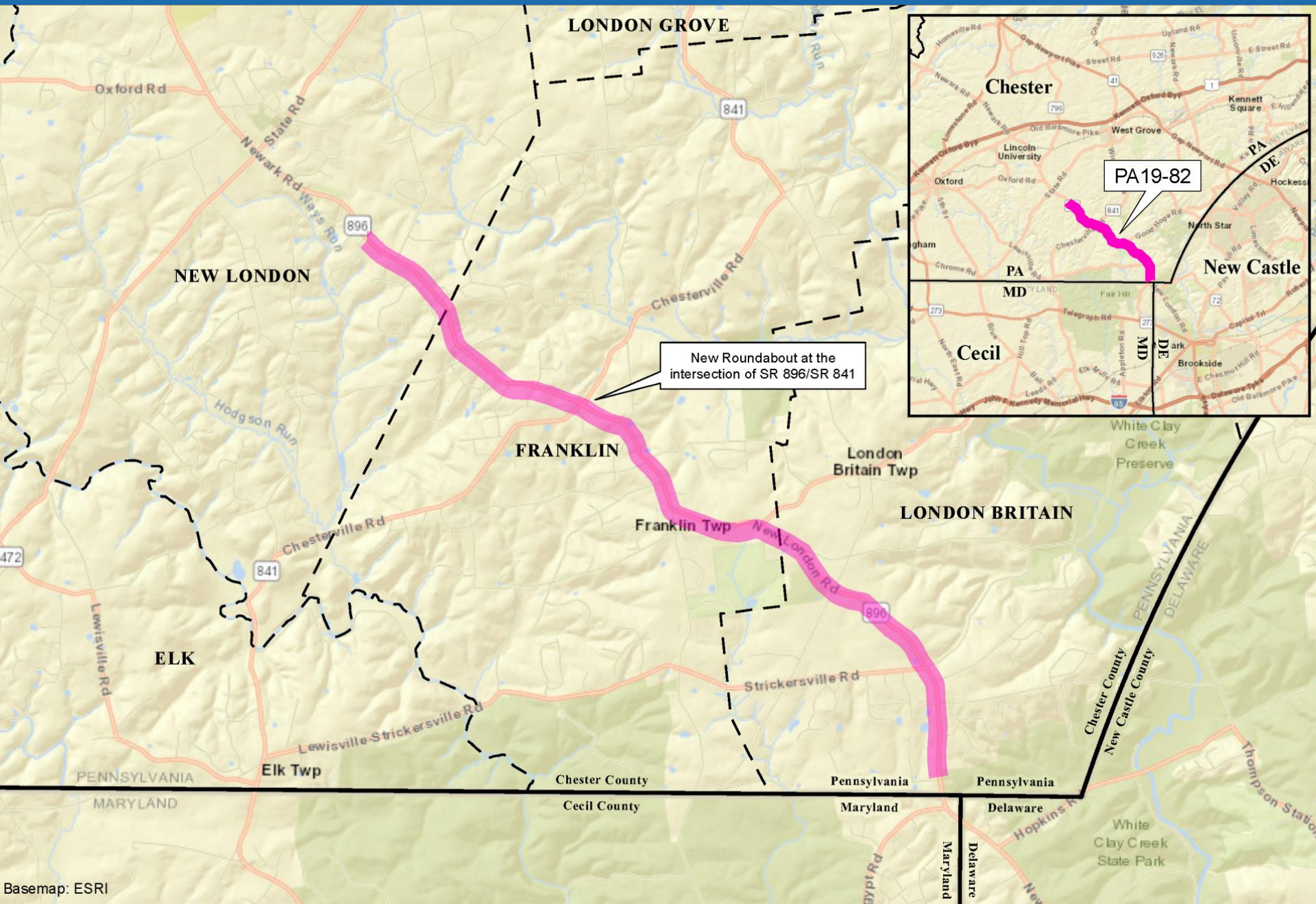


SR 896 Safety Improvement

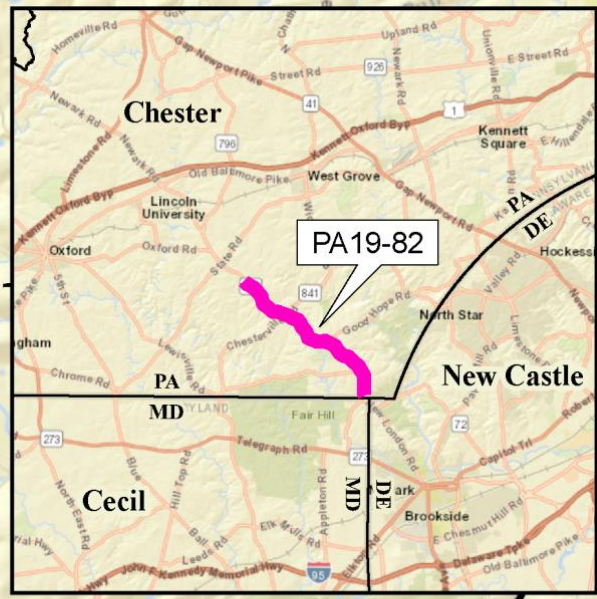
Chester County | Draw Funds from Line Item/Change Scope edvpc

▶ TIP AMENDMENT

- ▶ **ACTION:** Draw funds down from Regional Safety Initiatives (HSIP) line item for a total of \$13,455,000 HSIP
 - PE in FY19 (\$855,000 HSIP)
 - FD in FY19 (\$2,800,000 HSIP)
 - ROW in FY20 (\$1,500,000 HSIP)
 - UTL in FY20 (\$800,000 HSIP)
 - CON in FY23 (\$7,500,000 HSIP); and
 - Change scope to include a roundabout at the PA 896 and PA 841 intersection
- ▶ **Reason:** Reduce crashes and related injuries along PA 896 between Elbow Lane in London Britain Township and Shepherd Lane in New London Township



New Roundabout at the intersection of SR 896/SR 841



TIP Action | Proposed – PA



edvpc

Recommend Board approval of TIP Amendment:

SR 896 Safety Improvement

Draw funds down from Regional Safety Initiatives (HSIP) line item for a total of \$13,455,000 HSIP

- PE in FY19 (\$855,000 HSIP)
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- ROW in FY20 (\$1,500,000 HSIP)
- UTL in FY20 (\$800,000 HSIP)
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Change scope to include a roundabout at the PA 896 and PA 841 intersection

Swamp Pike over Minister Creek Bridge (CB #172)

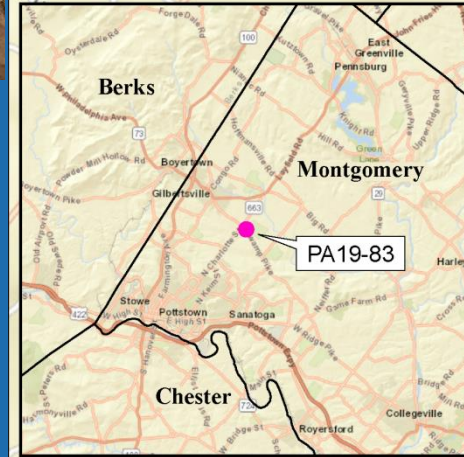
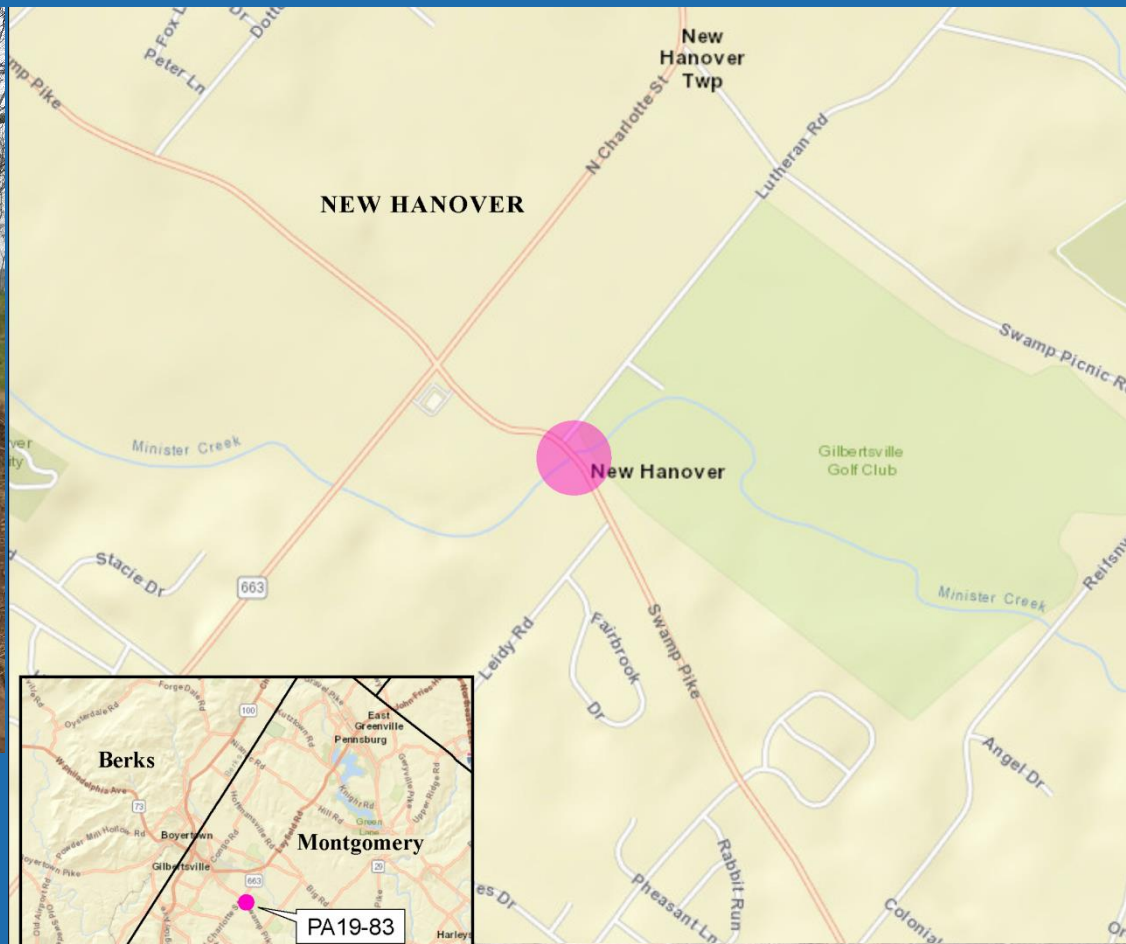
Montgomery County | Add New Project to TIP



edvpc

▶ TIP AMENDMENT

- ▶ **ACTION:** Add a new \$1.77 million Act 13 funded project to the TIP, accordingly:
 - PE in FY20 (\$175,000)
 - FD in FY21 (\$175,000)
 - ROW in FY20 (\$25,000) and FY21 (\$25,000)
 - CON in FY22 (\$1,370,000)
- ▶ **Reason:** Replace structurally deficient, poor condition county bridge and bring it into a state of good repair
- ▶ Act 13 Marcellus Shale **funds are additional to the region**, distributed to counties by PennDOT based on population for the replacement or repair of locally-owned at-risk deteriorated bridges



- Two-span stone masonry arch and concrete slab bridge
- Built 1844, widened 1928
- Poor superstructure including hairline longitudinal and transverse cracking
- Bridge replacement

TIP Action | Proposed – PA



edvpc

Recommend Board approval of TIP Amendment:

Swamp Pike over Minister Creek Bridge (CB #172)

Add a new \$1.77 million Act 13 funded project to the TIP, accordingly:

- PE in FY20 (\$175,000)
- FD in FY21 (\$175,000)
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Funds are additional to the region

Statewide Multimodal Transportation Funded Projects

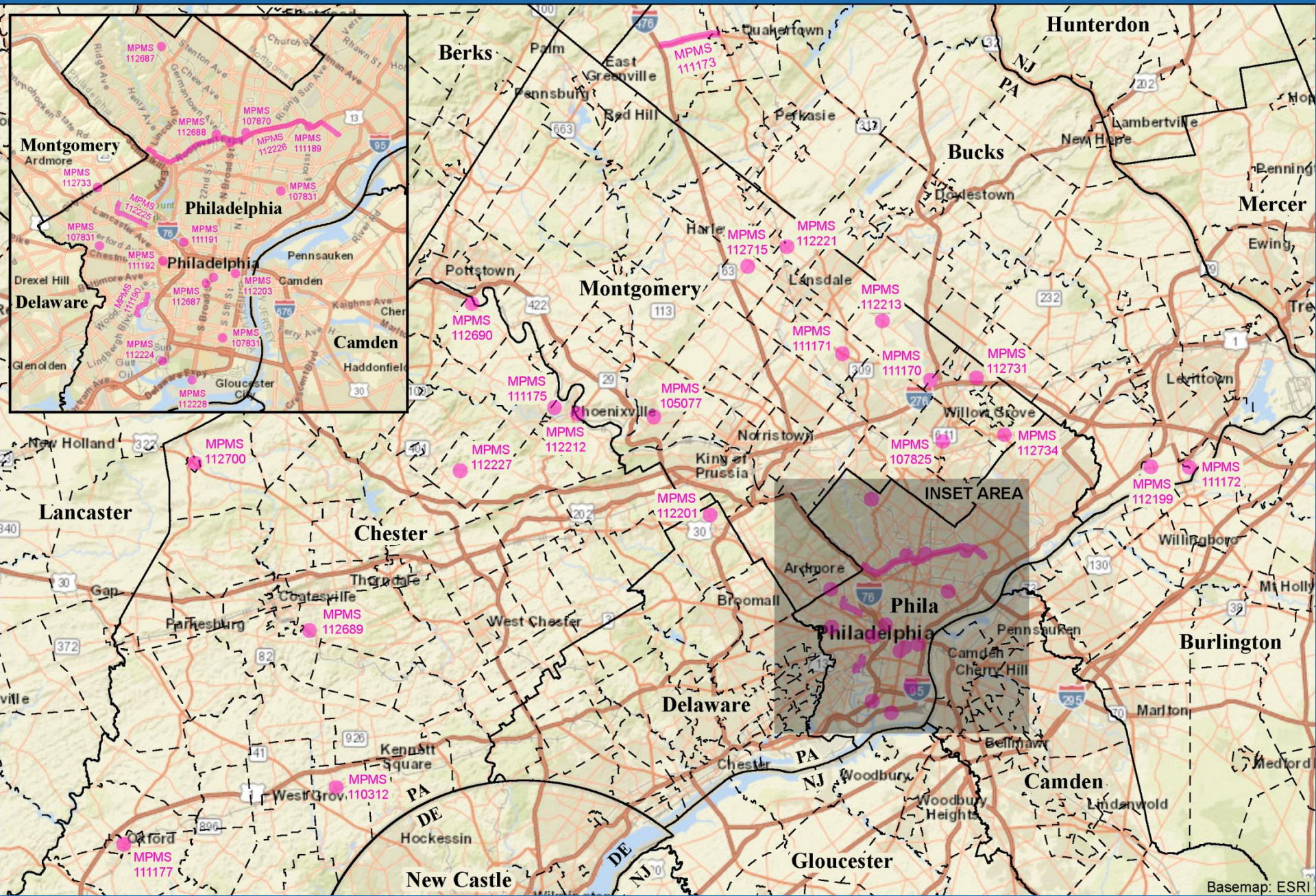
Various Counties | Add New Projects to TIP



edvpc

▶ TIP AMENDMENT

- ▶ **ACTION:** Approve the list of 34 projects selected as part of PennDOT's Statewide Multimodal Transportation Fund (MTF) and add 34 MTF projects to the TIP in the total amount of \$43,966,000 State 411
- ▶ **Background:** The MTF is a competitive statewide program established by Act 89 of 2013 that provides grants intended to improve transportation assets and enhance communities, pedestrian safety and transit revitalization
- ▶ *Funds are additional to the region*



Bucks County

1. Maple Beach Bridge Replacement and Trail Connection - \$572,000
2. Lifequest – Milford Village - \$1,500,000
3. Route 13 Streetscape and Pedestrian Enhancements - \$885,000

Chester County

4. Oxford Borough Transit Center Access Improvements - \$144,000
5. Northern Relief Route – Ashburn Road Extension - \$1,260,000
6. Chestnut Street Sidewalk Rehabilitation - \$100,000
7. ChesCo Wayfinding Signage Replacement Program - \$204,000
8. Peterman Rd Improvement – \$2,606,000
9. Repairs to Mortonville Road - \$1,000,000

Delaware County

10. King of Prussia and Eagle Road Intersection - \$1,303,000

Montgomery County

11. Old York (PA 611) and Susquehanna Roads Intersection - \$588,000
12. Park Avenue-Eagleville Road-Crawford Road Intersection Realignment - \$2,000,000
13. Spring House Roadway Improvement Project - \$938,000
14. Evans Road: Emergency Access and Safety First - \$265,000
15. Blair Mill Road Transportation Improvements - \$3,000,000
16. Mont Clare Improvement Project - \$927,000
17. Horsham Road-Limekiln Pike Intersection Improvements - \$3,000,000
18. PA 73/PA 663 South Improvement - \$125,000
19. Davisville and Byberry Intersection Improvements - \$390,000
20. Red Lion Road Culvert and Roadway Improvements - \$1,200,000
21. Forty Foot Road Roadway Improvements - \$1,018,000

City of Philadelphia

22. Logan Point Roadway Improvements Project - \$3,000,000
23. Make Way for Children - \$812,000
24. Bartram's Mile Greenway Enhancements - \$184,000
25. Improving Anne d'Harnoncourt Drive - \$3,000,000
26. Adams/Summerdale Avenues and Roosevelt Boulevard - \$1,114,000
27. Navy Yard Broad Street Quay Wall Replacement - \$3,000,000
28. Provco Penrose - \$1,300,000
29. Old City Market Street Vision Zero Improvements - \$3,000,000
30. Parkside Avenue Vision Zero Corridor - \$2,683,000
31. Roosevelt Boulevard Direct Bus, Phase B - \$900,000
32. Murals at Wayne Junction - \$68,000
33. Historic Streets – Philadelphia - \$1,146,000
34. City Avenue - \$626,000

TIP Action | Proposed – PA



Recommend Board approval of TIP Amendment:

Statewide Multimodal Transportation Funded Projects

Approve the list of 34 projects selected as part of PennDOT's Statewide Multimodal Transportation Fund (MTF) and add 34 MTF projects to the TIP in the total amount of \$43,966,000

State 411

Funds are additional to the region

Rosedale Road over Unami Creek Bridge Replacements

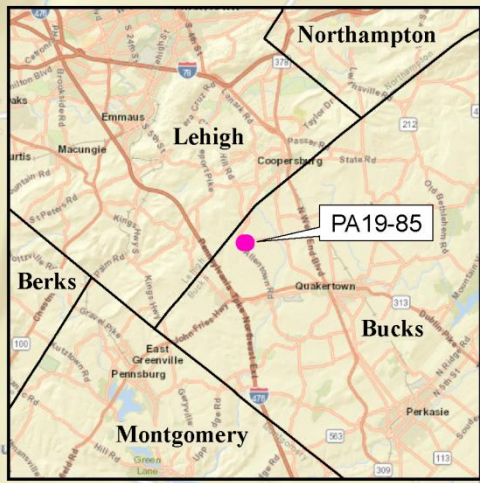
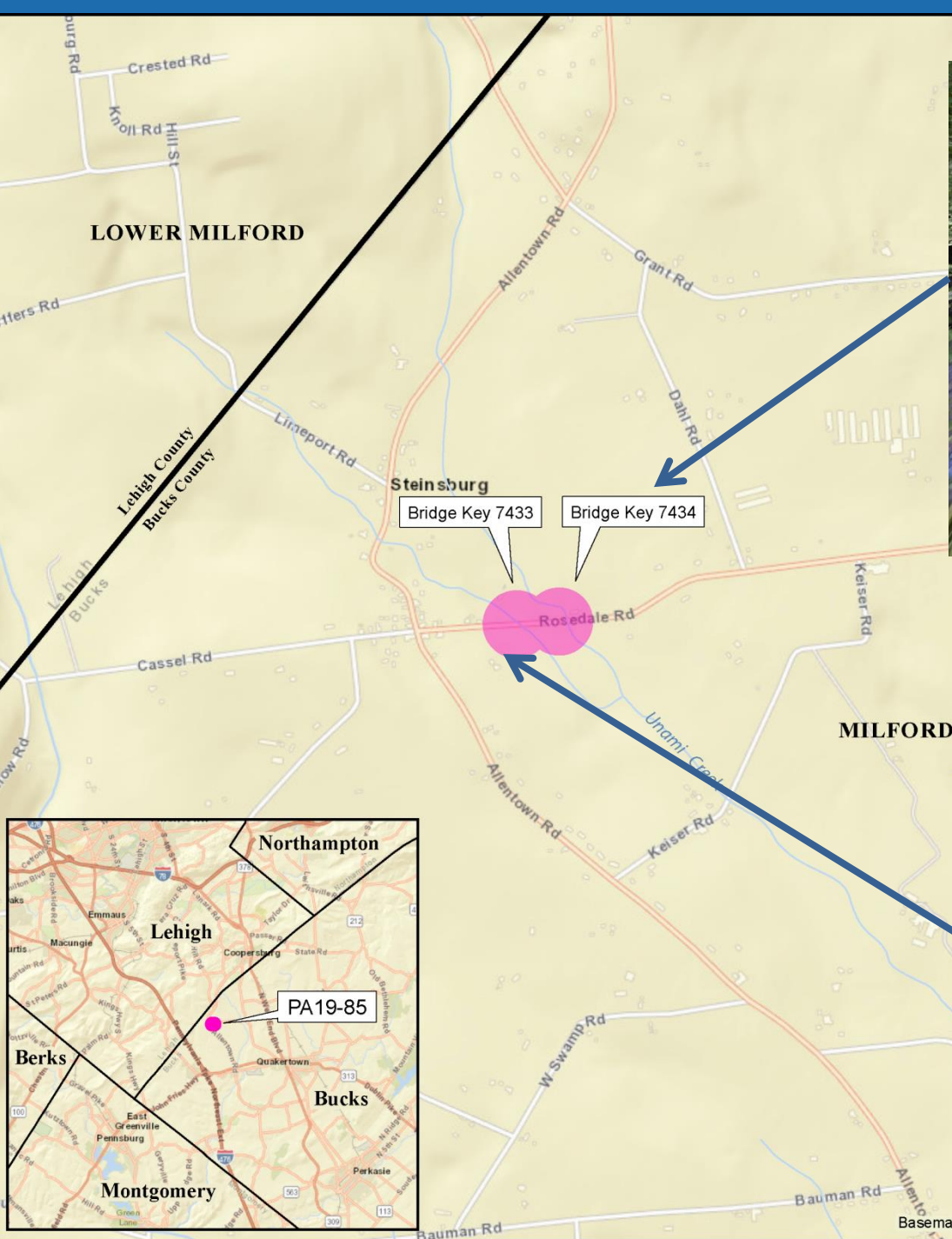
Bucks County | Add New Project to TIP



edvpc

▶ TIP AMENDMENT

- ▶ **ACTION:** Add a new \$2.4 million project to the TIP, accordingly:
 - PE in FY19 (\$100,000 State 185)
 - FD in FY20 (\$175,000 State 185)
 - UTL in FY20 (\$35,000 State 185)
 - ROW in FY21 (\$90,000 State 185)
 - CON in FY23 (\$200,000 STU/\$50,000 State 185); FY24 (\$200,000 STU/\$50,000 State 581); FY25 (\$360,000 STU/\$90,000 State 581); and FY26 (\$840,000 STU/\$210,000 State 581)
- ▶ **Reason:** Replace 2 structurally deficient, rapidly deteriorating bridges and bring the structures into a state of good repair



Conestoga Road over Pickering Creek Bridge Replacement

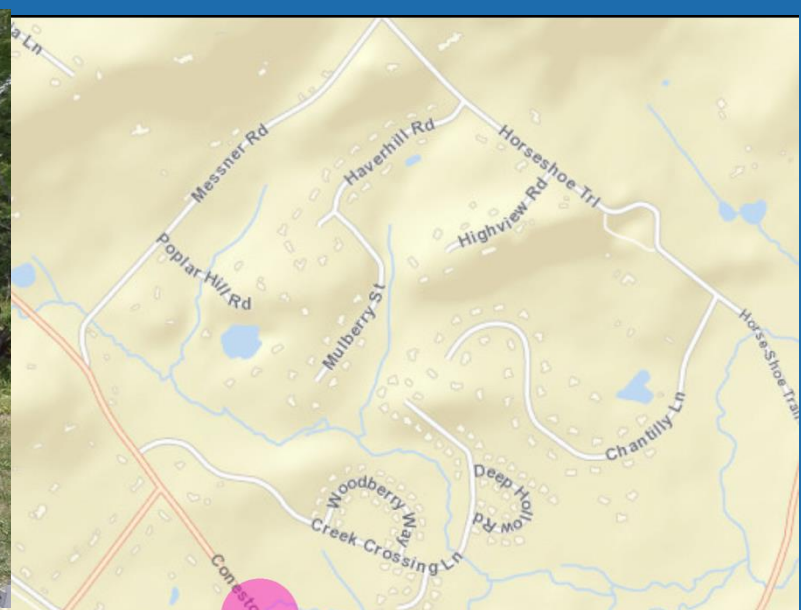
Chester County | Add New Project to TIP



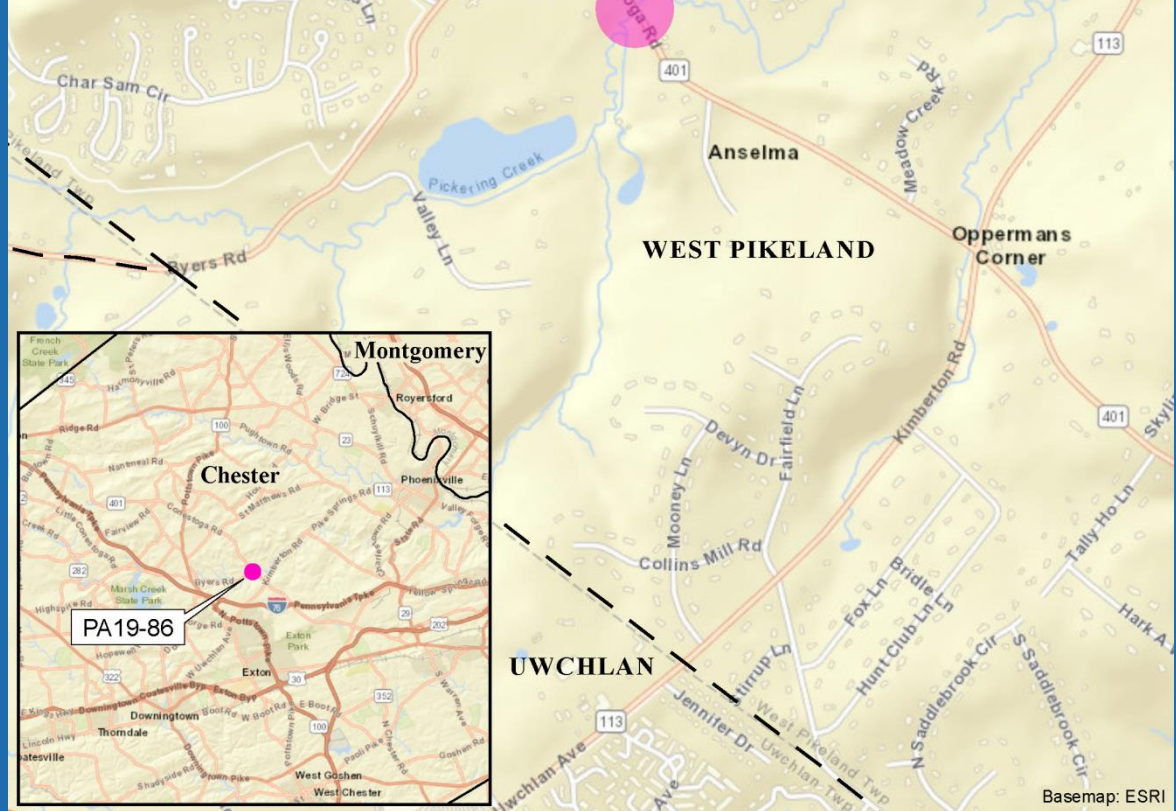
cdvpc

▶ TIP AMENDMENT

- ▶ **ACTION:** Add a new \$1.83 million project to the TIP, accordingly:
 - PE in FY19 (\$80,000 State 185)
 - FD in FY20 (\$125,000 State 185)
 - UTL in FY20 (\$50,000 State 185)
 - ROW in FY21 (\$75,000 State 185)
 - CON in FY23 (\$200,000 STU/\$50,000 State 185); FY24 (\$200,000 STU/\$50,000 State 581); FY25 (\$200,000 STU/\$50,000 State 581); FY26 (\$200,000 STU/\$50,000 State 581); and FY27 (\$400,000 STU/\$100,000 **State 185**)
- ▶ **Reason:** Replace poor condition, posted, rapidly deteriorating bridge and bring the structure into a state of good repair



- One-span concrete T-beam
- Built 1938
- Poor condition and already posted
- Condition deteriorating rapidly
- Bridge replacement



Ewing Road over White Clay Creek Bridge Replacements

Chester County | Add New Project to TIP



cdvpc

▶ TIP AMENDMENT

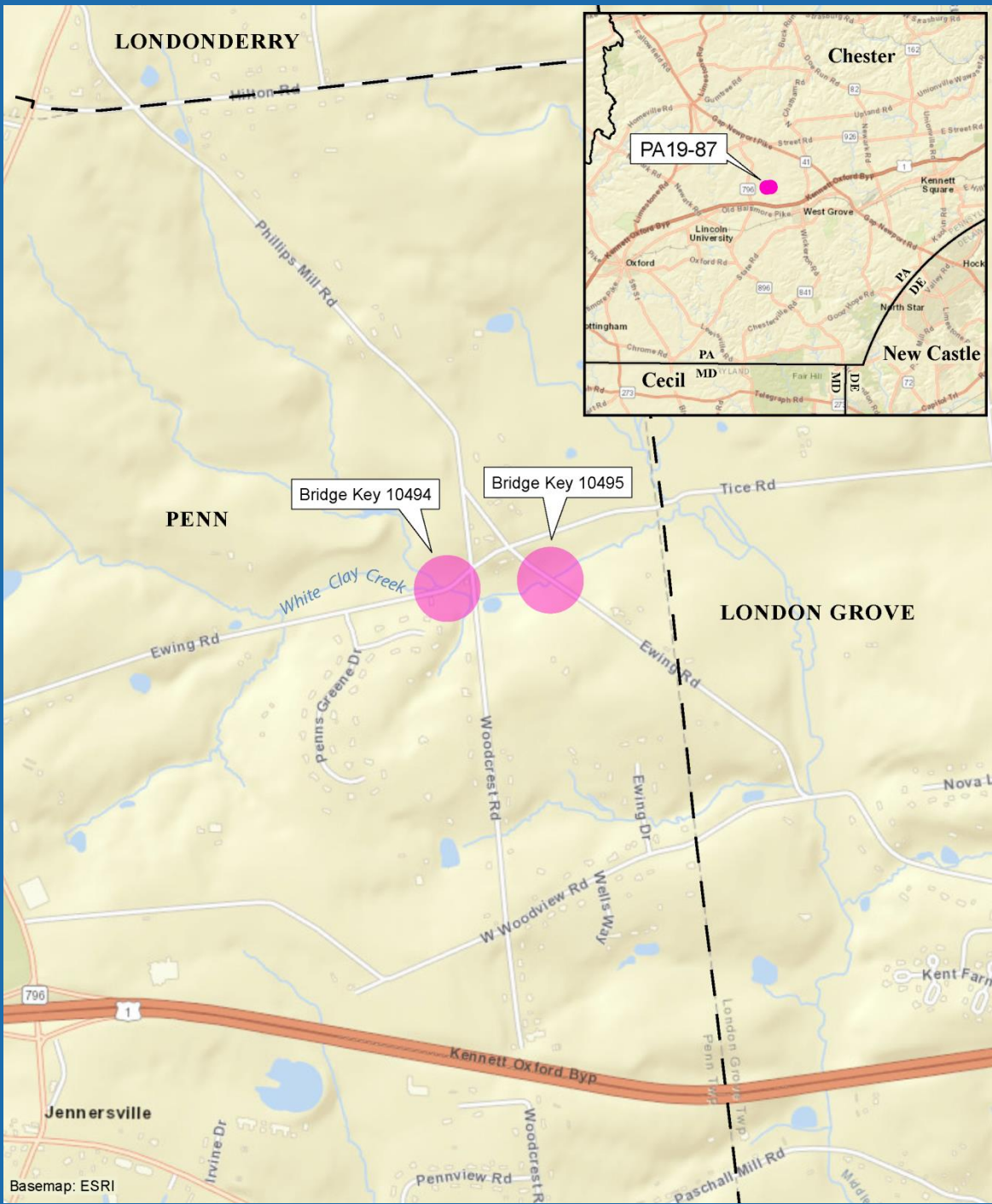
- ▶ **ACTION:** Add a new \$1.57 million project to the TIP, accordingly:
 - PE in FY19 (\$80,000 State 185)
 - FD in FY20 (\$125,000 State 185)
 - UTL in FY20 (\$15,000 State 185)
 - ROW in FY21 (\$100,000 State 185)
 - CON in FY23 (\$200,000 STU/\$50,000 State 185); FY24 (\$200,000 STU/\$50,000 State 581); FY25 (\$200,000 STU/\$50,000 State 581); FY26 (\$200,000 STU/\$50,000 State 581); and FY27 (\$200,000 STU/\$50,000 **State 185**)
- ▶ **Reason:** Replace two rapidly deteriorating, functionally obsolete bridges and bring the structures into a state of good repair

Bridge Key 10494:

- One-span concrete encased rolled steel I-beam structure built in 1910
- Functionally obsolete
- Rapidly deteriorating

Bridge Key 10495:

- One-span reinforced concrete slab structure
- State-owned bridge on locally-owned road
- Poor condition
- Functionally obsolete
- School buses currently unable to use either bridge
- Project would replace both bridges



Cheyney Road Bridge Replacement

Delaware County | Add New Project to TIP

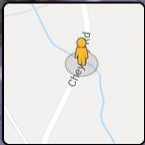


cdvpc

▶ TIP AMENDMENT

- ▶ **ACTION:** Add a new \$790,000 project to the TIP, accordingly:
 - PE in FY19 (\$75,000 State 185)
 - FD in FY20 (\$100,000 State 185)
 - UTL in FY20 (\$40,000 State 185)
 - ROW in FY21 (\$75,000 State 185)
 - CON in FY23 (\$200,000 STU/\$50,000 State 185) and FY24 (\$200,000 STU/\$50,000 State 581)
- ▶ **Reason:** Replace rapidly deteriorating, structurally deficient bridge and bring the structure into a state of good repair

- Cheyney Road used by SEPTA bus routes 119 and 120
- Provides access to Cheyney University
- Guiderail, traffic signs, and delineators will be installed as required



Google

Image capture: Jun 2012 © 2019 Google

Basemap: ESRI

Perkiomenville Road over Sciota Creek Bridge Replacement

Montgomery County | Add New Project to TIP

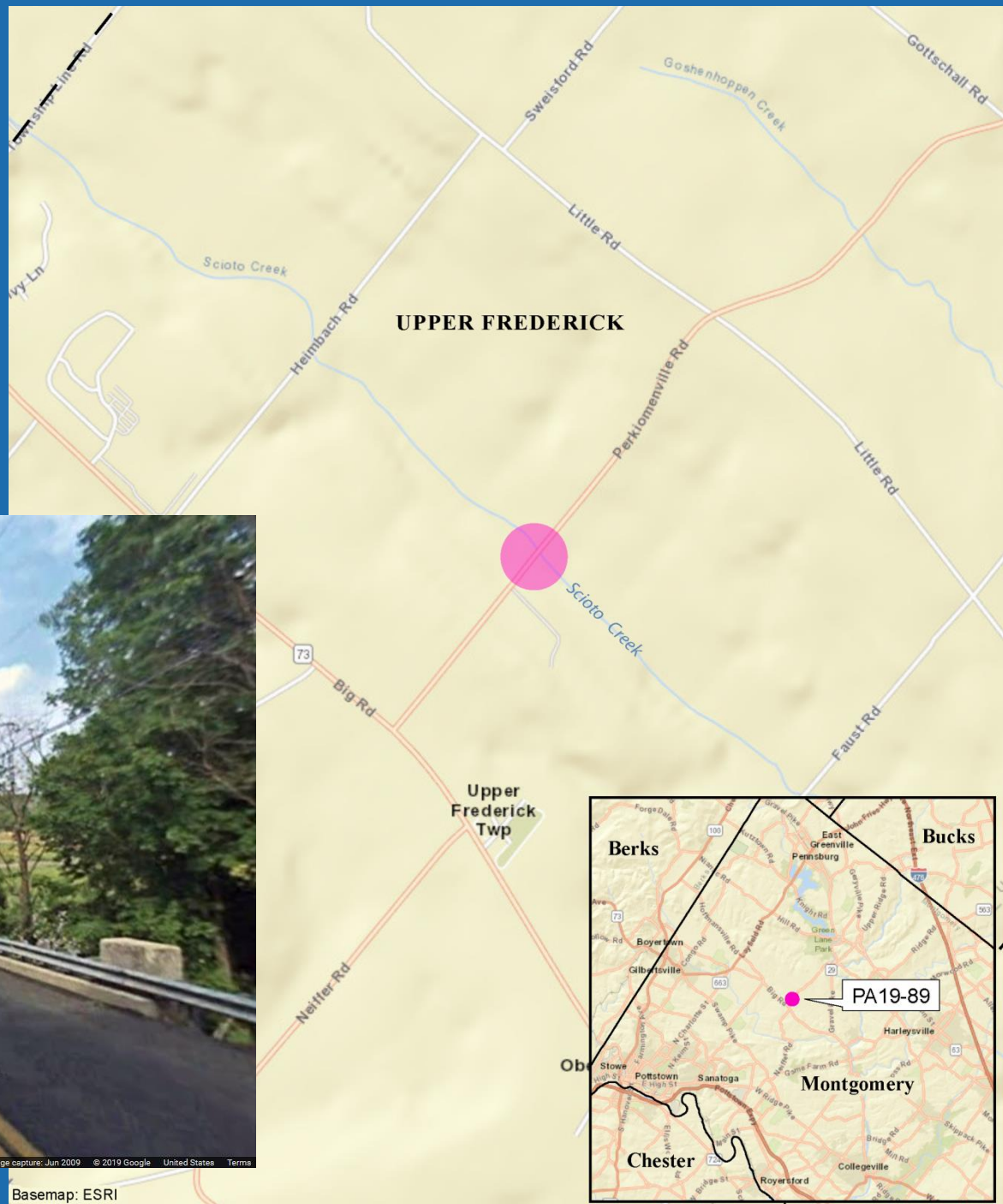


edvpc

▶ TIP AMENDMENT

- ▶ **ACTION:** Add a new \$2.02 million project to the TIP, accordingly:
 - PE in FY19 (\$100,000 State 185)
 - FD in FY20 (\$150,000 State 185)
 - UTL in FY20 (\$20,000 State 185)
 - ROW in FY21 (\$100,000 State 185)
 - CON in FY23 (\$200,000 STU/\$50,000 State 185); FY24 (\$200,000 STU/\$50,000 State 581); FY25 (\$360,000 STU/\$90,000 State 581); FY26 (\$500,000 STU/\$200,000 State 581)
- ▶ **Reason:** Replace poor condition, posted, rapidly deteriorating bridge and bring the structure into a state of good repair

- One-span concrete closed spandrel arch built in 1932
- Posted at 36 tons/40 tons
- Further deterioration could result in lowered posting or closure



TIP Action | Proposed – PA



odvpc

Recommend Board approval of TIP Amendments:

Rosedale Road over Unami Creek Bridge Replacements

Add a new \$2.4 million project to the TIP

Conestoga Road over Pickering Creek Bridge Replacement

Add a new \$1.83 million project to the TIP

Ewing Road over White Clay Creek Bridge Replacements

Add a new \$1.57 million project to the TIP

Cheyney Road Bridge Replacement

Add a new \$790,000 project to the TIP

Perkiomenville Road over Sciota Creek Bridge Replacement

Add a new \$2.02 million project to the TIP



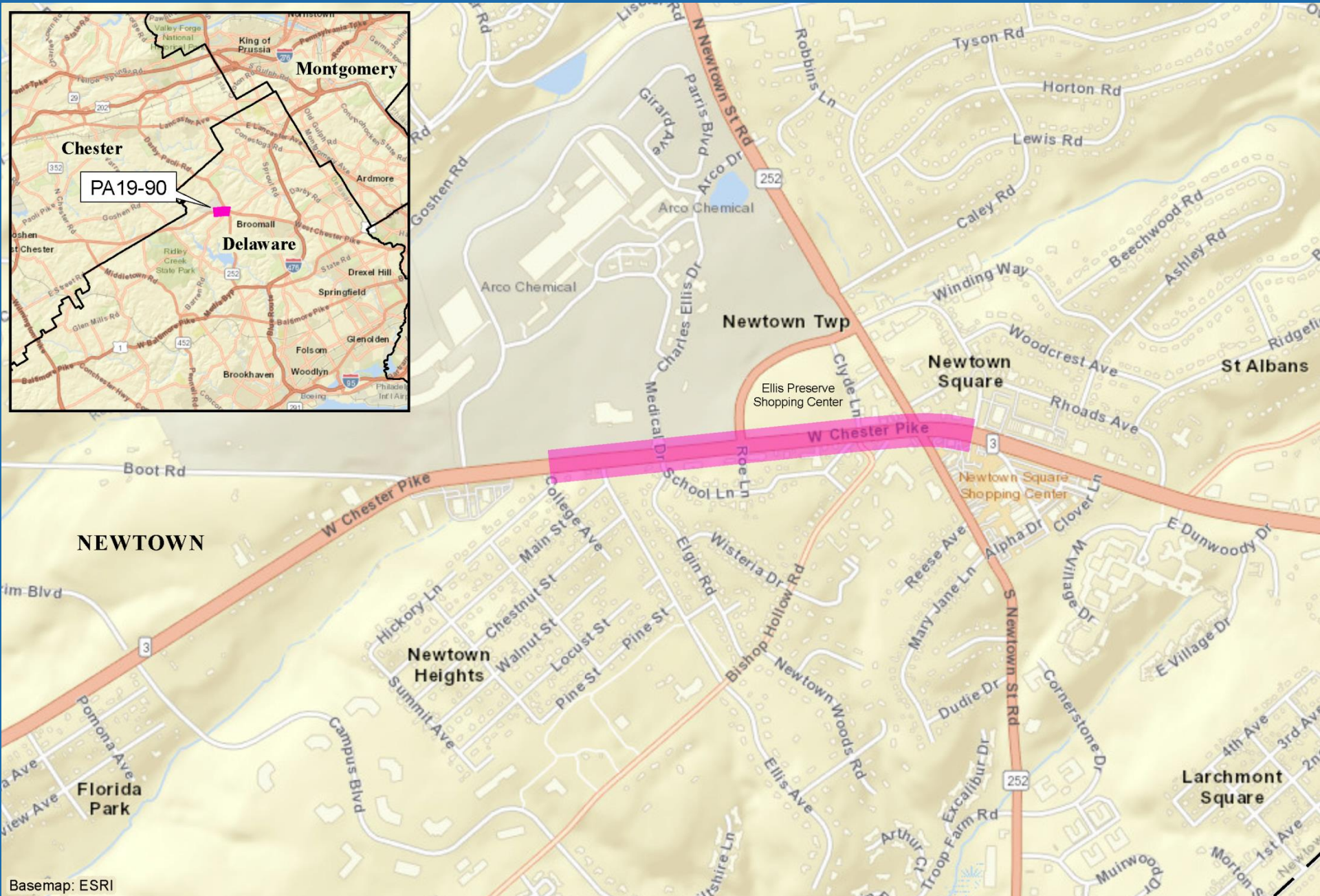
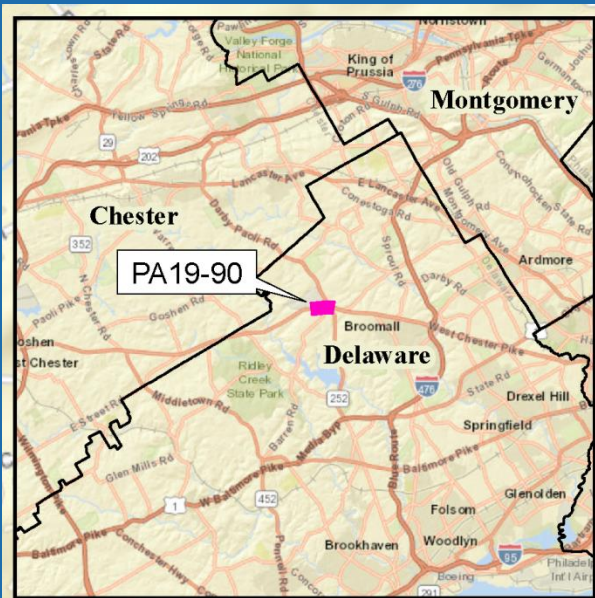
PA 3: Ellis to St. Albans

Delaware County | Add New Project to TIP

edvpc

▶ TIP AMENDMENT

- ▶ **ACTION:** Add a new \$2 million statewide Transportation Infrastructure Investment Fund (TIIF) funded project to the TIP for CON in FY20 (\$2 million e581)
- ▶ **Background:** The proposed project will widen West Chester Pike (PA 3) to add an additional through travel lane from the Newtown Square Shopping Center signalized driveway to College Avenue (Eastbound) and to Ellis Avenue (Westbound)
- ▶ *These are additional funds to the region*



TIP Action | Proposed – PA



edvpc

Recommend Board approval of TIP Amendment:

PA 3: Ellis to St. Albans

Add a new \$2 million statewide Transportation Infrastructure Investment Fund (TIIF) funded project to the TIP for CON in FY20 (\$2 million e581)

Funds are additional to the region



Transportation
Improvement
Program

TIP

Thank You!

www.dvrpc.org/TIP



Congestion Mitigation *and* Air Quality Improvement Program (CMAQ)



FY2019 DVRPC Competitive CMAQ Program for PA Recommended Projects

October 8, 2019 | DVRPC RTC

What is CMAQ?

- Congestion Mitigation and Air Quality (CMAQ) Program
- Federal funds for transportation projects that will help improve air quality and reduce congestion in areas not meeting the federal health based standards for air quality

CMAQ Eligible Project Types

- Congestion Reduction and Traffic Flow Improvements
- Transit Improvements
- Bicycle and Pedestrian Facilities and Programs
- Travel Demand Management (TDM)
- Public Education and Outreach activities
- Freight / Intermodal
- Idle Reduction

What is the Competitive Program?

- Open, competitive program for Pennsylvania during FY2019 to solicit and add new projects to the TIP for authorization prior to August 2024(FY24)
- \$25 million of the region's CMAQ funds set-aside
- Last round: 2016 (\$20 million set-aside)
- Changes:
 - Higher award
 - Required pre-application meeting with DVRPC
 - Online application system
 - No diesel retrofit projects
 - No purchase of advance technology or alternative fuel vehicles
 - No purchase of non-revenue fleet vehicles, with exception of SEPTA applications

Applications

- Application Period: April 2, 2019 – June 28, 2019
- Open to public agencies and PPP with a public agency sponsor
- Posted application and program guidance on DVRPC CMAQ website at www.dvrpc/cmaq
- Received 25 eligible applications
- Total CMAQ request: \$63.5 Million

Eligible Applications

- City / State Agencies
 - City of Philadelphia, PennDOT
- Municipalities
 - Lower Merion, Concord, Upper Dublin, Falls, Whitpain, Charlestown, Haverford, Marple, Perkiomen, Lower Providence, East Goshen, Lower Moreland, East Whiteland, Upper Merion, Edgmont, Lower Salford, Aston
 - Conshohocken, Phoenixville, Boroughs
- Non-profits
 - TMACC

Selection Process

- Selection Committee
 - 12 Voting Members (PA RTC, PPTF, and DVRPC)
 - Reviewed, Discussed, and Scored Applications
- Selection Criteria
 - Project Readiness (25%)
 - Sponsor Capacity (25%)
 - Cost-Effectiveness (20%)
 - Long-Term Viability of Emissions Benefit (20%)
 - Environmental Justice (5%)
 - Level of Match (5%)

Selection Process

- Reviewed applications
 - All projects evaluated for emissions reductions
 - Eligibility questions referred to FHWA
 - Staff provided all scores for objective criteria to reviewers
 - Averaged scores from reviewers for subjective criteria
 - Consulted with PennDOT for all roadway projects
- Selection committee made final decision

County	Applicant	Project	CMAQ Award	Non-CMAQ Contribution	Emissions Benefits (Tons/Year)		
					NO _x	VOC	PM _{2.5}
Regionwide	SEPTA	Work Train Locomotive Replacement Project	\$3,800,000	\$2,200,000	29.600000	2.040000	0.789000
Bucks	Falls Twp	Falls Twp Adaptive Traffic Signal System	\$1,084,720	\$251,180	0.865070	0.245195	0.038570
Chester	Phoenixville	Nutt Road (SR 0023) and Starr Street Operational Improvements	\$868,656	\$432,200	0.038570	0.013775	0.002755
Chester	PennDOT	PA 401 and Valley Hill Road Intersection Improvement	\$2,110,000	\$0	0.044080	0.011020	0.002755
Delaware	Concord Twp	Naamans Creek Road and Wilmington-West Chester Pike Dual Left Turn Lanes	\$535,100	\$133,800	0.314070	0.826500	0.024795
Delaware	PennDOT	West Chester and Route 476 Improvements	\$2,849,000	\$0	0.123975	0.203870	0.055100
Delaware	PennDOT	Media Bypass ITS Corridor	\$5,000,000	\$0	3.746800	1.184650	0.688750
Montgomery	Lower Merion Twp	Traffic Flow Improvements – Conshohocken State Rd and Spring Mill Rd	\$754,792	\$188,698	0.077140	0.019285	0.005510
Montgomery	Whitpain Twp	Skippack Pike Traffic Signal System	\$892,007	\$70,000	0.231420	0.060610	0.024795
Montgomery	Upper Dublin Twp	Dreshertown Rd Cross County Trail Extension	\$1,892,00	\$2,750,000	0.104690	0.066120	0.008265
Philadelphia	PennDOT	Roosevelt Blvd Cross Over Lanes	\$1,500,000	\$0	0.044356	0.010194	0.002755
Philadelphia	Philadelphia	Schuylkill River Park Extension – Christian to Crescent	\$1,650,000	\$48,972,771	0.173565	0.173565	0.008265
Philadelphia	Philadelphia	Indego 2.0: Increasing Core Capacity	\$2,250,000	\$872,000	0.055100	0.049590	0.002755
Total			\$25,186,275	\$55,870,649	35.418836	4.904374	1.654070

Action Proposed

That the RTC Recommend that the Board...

- approve the list of projects recommended for CMAQ funding from FY21 to FY24 through the FY2019 DVRPC Competitive CMAQ Program for Pennsylvania; and
- amend the PA TIP by adding the following thirteen (13) projects, totaling \$25,186,475, to the line item, DVRPC Competitive CMAQ Program (MPMS #48201) (TIP Action PA19-92). Projects will be drawn down at the appropriate time.

County	Applicant	Project	CMAQ Award	Non-CMAQ Contribution	Emissions Benefits (Tons/Year)		
					NO _x	VOC	PM _{2.5}
Regionwide	SEPTA	Work Train Locomotive Replacement Project	\$3,800,000	\$2,200,000	29.600000	2.040000	0.789000
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Chester	Phoenixville	Nutt Road (SR 0023) and Starr Street Operational Improvements	\$868,656	\$432,200	0.038570	0.013775	0.002755
Chester	PennDOT	PA 401 and Valley Hill Road Intersection Improvement	\$2,110,000	\$0	0.044080	0.011020	0.002755
Delaware	Concord Twp	Naamans Creek Road and Wilmington-West Chester Pike Dual Left Turn Lanes	\$535,100	\$133,800	0.314070	0.826500	0.024795
Delaware	PennDOT	West Chester and Route 476 Improvements	\$2,849,000	\$0	0.123975	0.203870	0.055100
Delaware	PennDOT	Media Bypass ITS Corridor	\$5,000,000	\$0	3.746800	1.184650	0.688750
Montgomery	Lower Merion Twp	Traffic Flow Improvements – Conshohocken State Rd and Spring Mill Rd	\$754,792	\$188,698	0.077140	0.019285	0.005510
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Montgomery	Upper Dublin Twp	Dreshertown Rd Cross County Trail Extension	\$1,892,00	\$2,750,000	0.104690	0.066120	0.008265
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Total			\$25,186,275	\$55,870,649	35.418836	4.904374	1.654070

Thank You!

Questions?

Rick Murphy

Manager, PA Capital Programs

215.238.2946 | rmurphy@dvrpc.org | www.dvrpc.org/CMAQ



FY20 SEPTA Work Program

Promote SEPTA Services as the Primary TDM Option
in Center City Philadelphia

Background

Central Philadelphia Transportation Management Assn. (CPTMA) had developed a Work Program funded by the TMA Assistance Grant at \$206,375 (\$165,100 CMAQ/\$41,275 match) in FY19, and funds were committed at the same level for FY20

After the FHWA Tier Two Review earlier this calendar year, the CPTMA decided to forfeit its funding for the current two-year contract period (FY19 and FY20)

- This left \$174,525 unspent in FY19 and the full \$206,375 in FY20, for a total of \$380,900 (\$304,720 CMAQ/\$76,180 match) in relinquished funds

Background, cont'd

In order to maintain TDM coverage in Center City, oTIS, PCPC, DVRPC and PennDOT met to discuss several possible options to utilize these former CPTMA funds. The final decision was for SEPTA to develop a Work Program to educate employees working in Center City about the convenience of using transit over ride-hailing or on-demand services like uber and lyft.

These services actually put more vehicles on city streets, which exacerbates congestion and causes more pollution. Many of SEPTA's services to and within Center City offer timely travel that rivals ride-hailing services while taking vehicles off the streets and, thus, improving AQ.

Work Program Components

Task 1: Commuter's Choice Public Outreach Campaign

- Advertising and Social Media posts featuring the current Commuter's Choice campaign, incorporating changes with new program information brought on by KEY implementation (education on the benefits of using transit other than just for commuting, and how KEY works with the commuter benefit)

Work Program Components, cont'd

Task 2: SEPTA KEY Promotion and Outreach

- Educate employees and employers in Center City about the timeline for the rollout of KEY and its functions on each type of transit service
- Use the KEY Truck as a tool to enable commuters and other employees to obtain KEY easily, and to better understand how it works so they can use transit more often (especially during work hours)
- Provide training and tutorials at SEPTA outreach events and as requested by larger employers for their employees

Work Program Components, cont'd

Task 3: Digital Marketing and Educational Outreach

- Focus is to promote certain high-frequency services, as presented in a new “15-15-5” message and maps – those that come every 15 minutes or less for 15 hours per day (6AM to 9PM), 5 days per week (M-F) – as a less expensive and more environmentally friendly alternative to ride-hailing services in Center City
- Placement of information in digital bus shelters on high-traffic streets in CC – bus shelters can be viewed by pedestrians and vehicles, in addition to riders

Work Program Components, cont'd

Task 3, cont'd:

- Paid social media posts will also be used to target select demographics and geography (employees in CC); SM allows for a more “personal” conversation with a customer and is easily monitored and measured
- Other materials to be placed as bus wraps (serve as moving billboards), bus stop educational panels, bus shelter and select EI/Subway/Trolley station 15-15-5 maps, and other non-digital station ads, along with 15-15-5 brochures to be distributed at SEPTA and relevant partner events dealing with TDM and CMAQ issues

Proposed Budget

Task 1: \$20,000 (\$16,000 CMAQ/\$4,000 match)

Task 2: \$30,000 (\$24,000 CMAQ/\$6,000 match)

Task 3: \$324,342 (\$259,474 CMAQ/\$64,868 match)

TOTAL: \$374,342 (299,474 CMAQ/\$74,868 match)



Questions?

Action Proposed

That the Regional Technical Committee **recommend Board approval of this new Work Program** for promoting convenient SEPTA services in Center City that rival and can replace ride-hailing/on-demand services, thus reducing the number of vehicles on Center City streets, especially during business hours; this, in turn, helps improve the air quality in Center City and surrounding areas.

Furthermore, the RTC **recommend Board approval to amend the FY2019 TIP for Pennsylvania** by adding this project to the TIP (PA19-93).



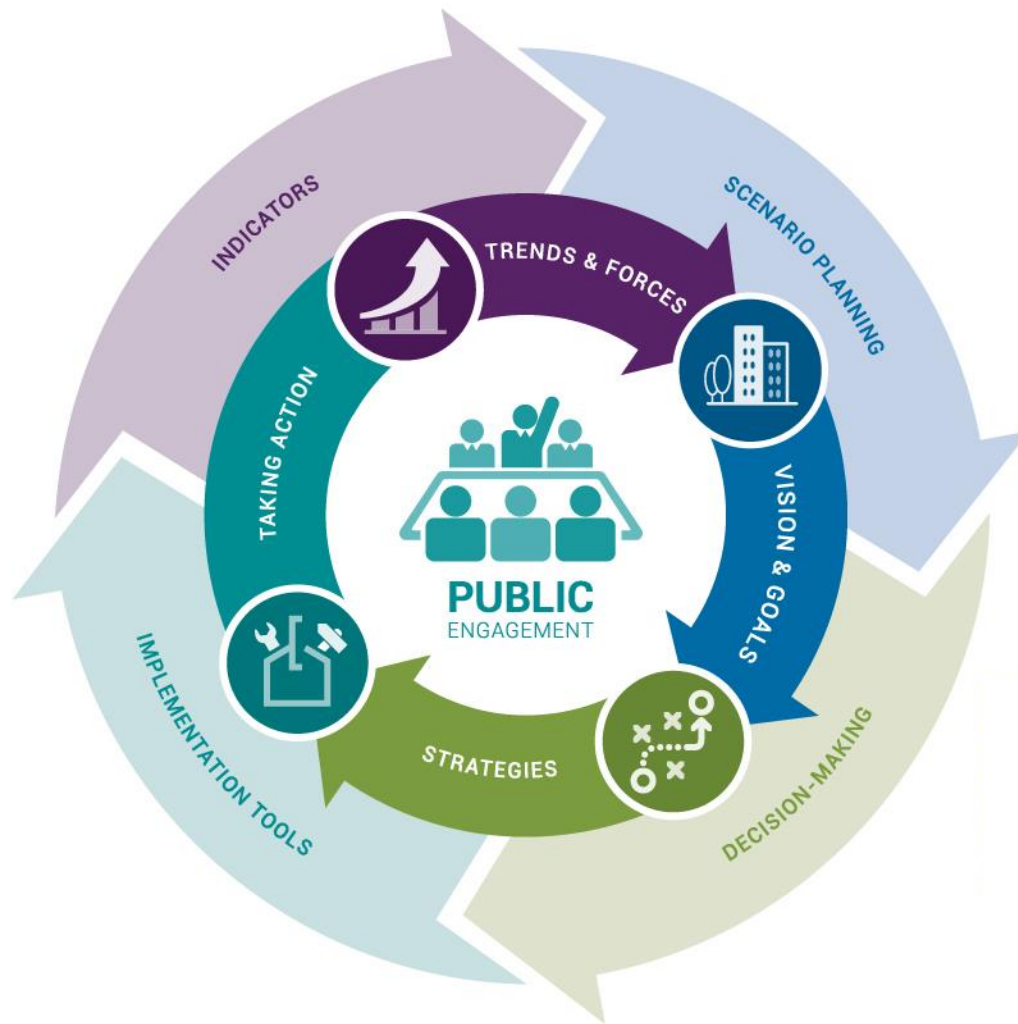
CONNECTIONS
2045

MUNICIPAL IMPLEMENTATION TOOLBOX

Jackie Davis

Presented To: RTC | Date: 10.08.19

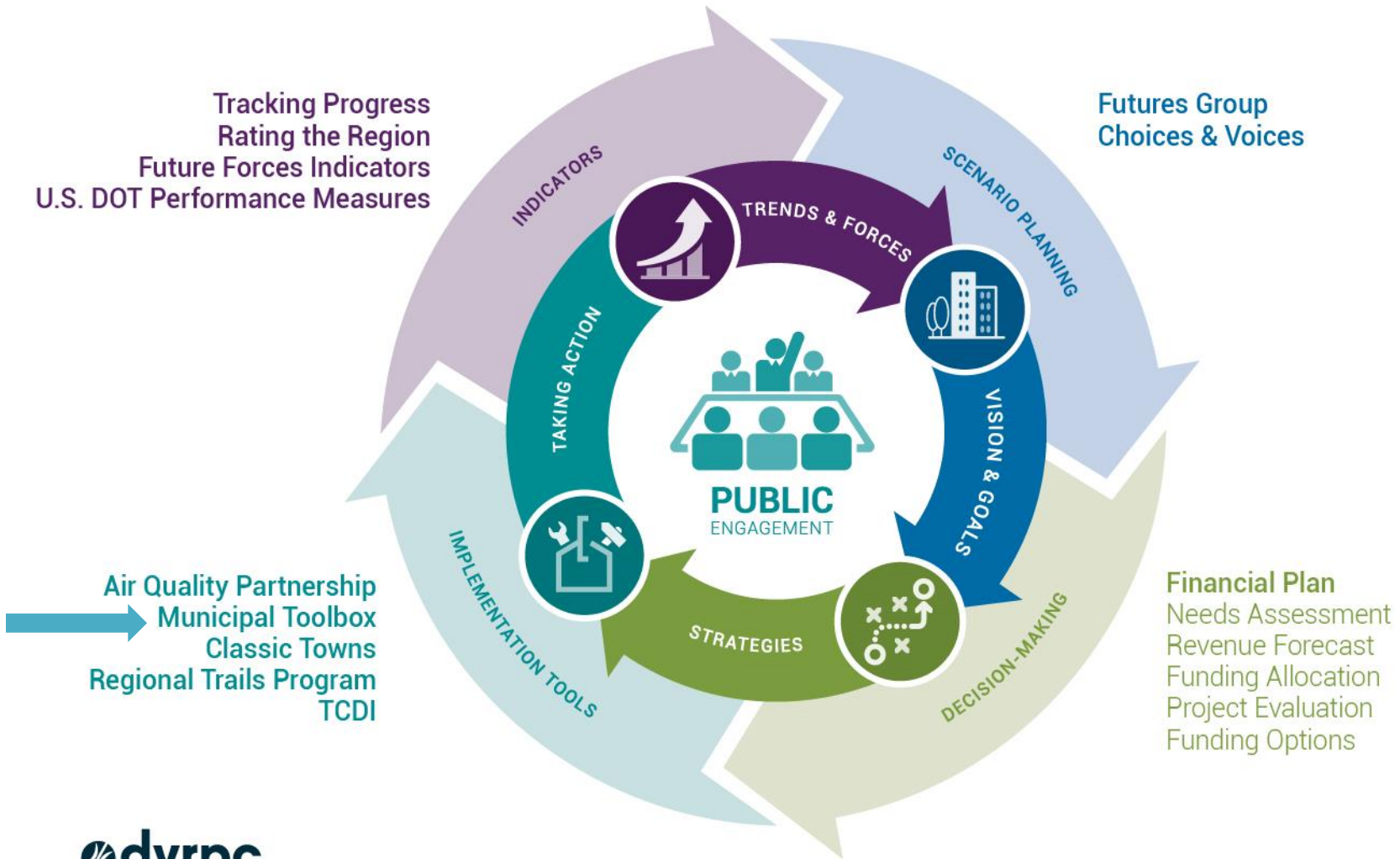
Long-Range Planning



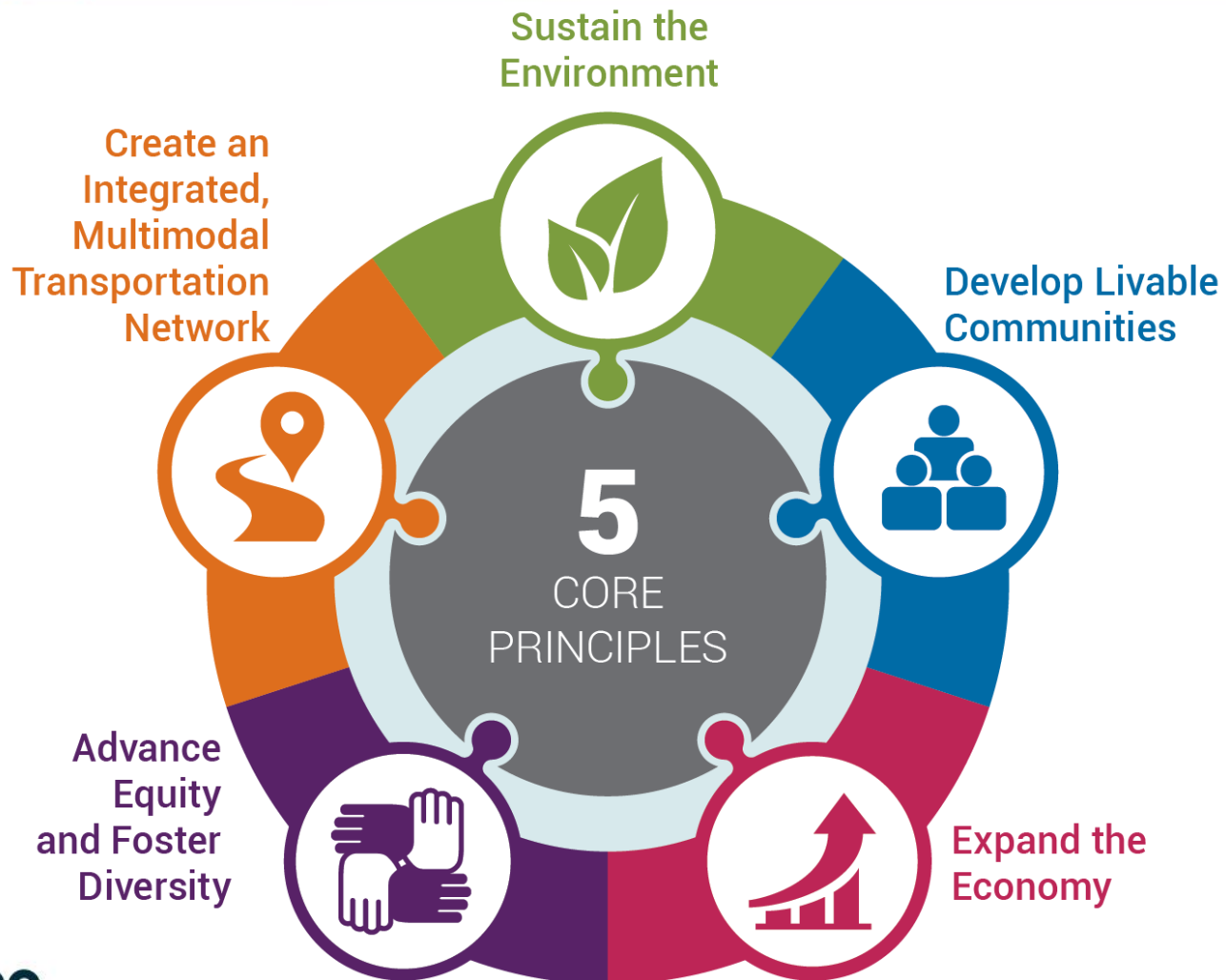
Long-Range Planning

Tracking Progress
Rating the Region
Future Forces Indicators
U.S. DOT Performance Measures

Futures Group
Choices & Voices



Vision





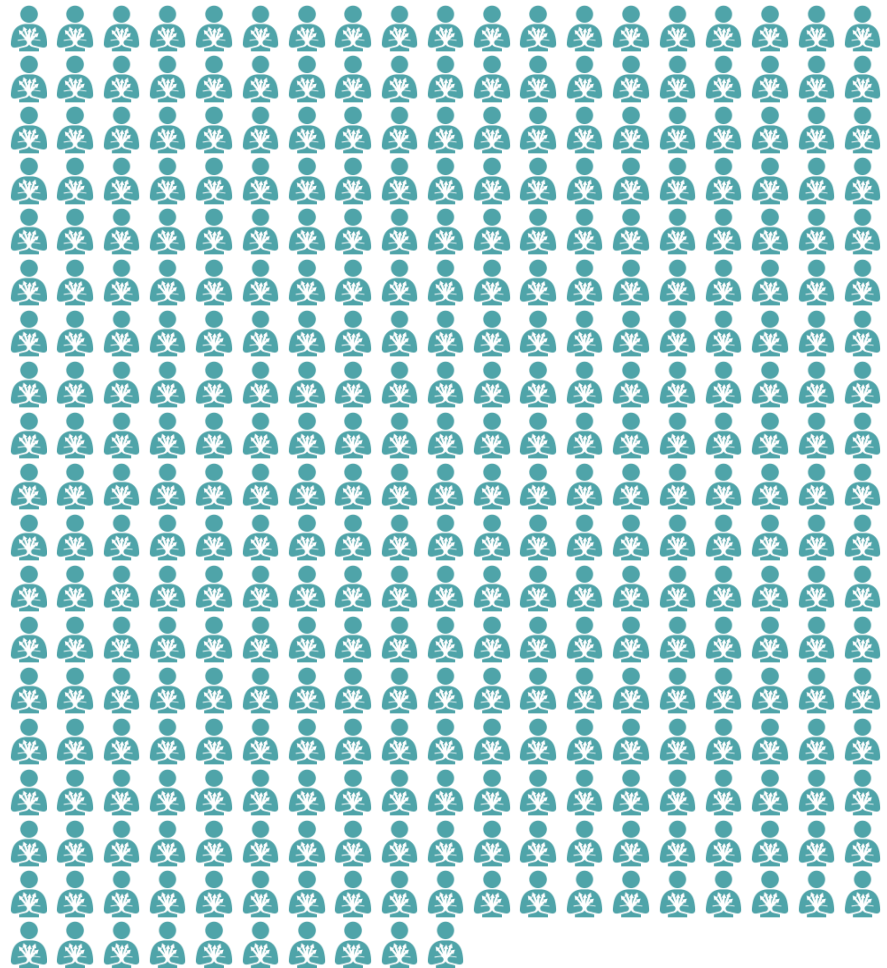
Home Rule Advantage

- Influence land use
- Provide public services
- Protect natural and historic resources
- Create the places we call home

CONNECTIONS

2045

352 Municipalities



CONNECTIONS

2045

Municipal Outreach Program



Tools



Technical Assistance



Opportunities to Connect

NEW Online Toolbox



OFFICIAL MAP
PARKLAND DEDICATION AND FEE-IN-LIEU
LAND ACQUISITION AND CONSERVATION
EASEMENTS
DEDICATED OPEN SPACE FUNDING
COMPREHENSIVE ENVIRONMENTAL PROTECTION
ORDINANCES
STREAM CORRIDOR PROTECTION ORDINANCES
STORMWATER ORDINANCES
STORMWATER FEES
POST-DISASTER PLANNING
STREET TREE ORDINANCE & MANAGEMENT PLAN
GREENHOUSE GAS REDUCTION TARGETS AND
CLIMATE ACTION PLANS
ALTERNATIVE ENERGY ORDINANCES
ENERGY-EFFICIENT BUILDINGS
FOOD SYSTEM PLANNING
AGRICULTURAL ZONING
RIGHT-TO-FARM PROVISIONS
PROCUREMENT POLICY PREFERENCE
HISTORIC DISTRICTS & OVERLAY ZONES
CERTIFIED LOCAL GOVERNMENT (CLG)
TRANSIT-ORIENTED DEVELOPMENT (TOD) ZONING
PARKING MANAGEMENT
TRANSIT REVITALIZATION INVESTMENT DISTRICT
(TRID)
REVITALIZATION PLANNING AND PROGRAMS
BROWNFIELDS REDEVELOPMENT
GREYFIELDS REDEVELOPMENT
DOWNTOWN RIGHTSIZING
COMPATIBLE RESIDENTIAL INFILL ORDINANCES OR
INFILL DESIGN

BUILD MISSING MIDDLE HOUSING
HOUSING MAINTENANCE AND REHABILITATION
PROGRAMS
LIVE/WORK ZONING
INCLUSIONARY ZONING
UNIVERSAL DESIGN & VISITABILITY
DESIGN GUIDELINES AND REVIEW
IMPACT FEES
TRADITIONAL NEIGHBORHOOD DEVELOPMENT
ORDINANCES
FORM-BASED ZONING
PERFORMANCE ZONING
ACTIVE DESIGN STANDARDS
OPEN STREETS/PLAY STREETS
PEDESTRIAN PLAZAS
FAÇADE GRANT PROGRAMS
COMMUNITY BRANDING
SUSTAINABLE PRACTICES IN PARKING DESIGN
MULTI-MUNICIPAL COMPREHENSIVE PLANS
SHARED SERVICES
SMART LOCATION OF PUBLIC FACILITIES
ECONOMIC DEVELOPMENT TASK FORCE
DOWNTOWN MANAGEMENT
BUY LOCAL CAMPAIGN
BUSINESS INCUBATOR
FINANCIAL INCENTIVES
LAND VALUE TAXATION
MINORITY- AND WOMEN-OWNED BUSINESS
RESOURCES
STREAMLINED PERMITTING PROCESSES
UNIFIED DEVELOPMENT CODES (UDC)
HUMAN CAPITAL INVESTMENTS

UNIVERSAL INTERNET ACCESS
TOURISM IMPROVEMENT DISTRICT (TID)
GREEN BUILDING STANDARDS
COMMUNITY SHUTTLE PROGRAMS
ACCESSORY DWELLING UNITS
UNIVERSAL PRE-KINDERGARTEN PROGRAMS
COMMUNITY BENEFITS AGREEMENTS (CBAs)
COMMUNITY ENGAGEMENT
ENGAGING UNDERSERVED COMMUNITIES
MULTIMODAL TRANSPORTATION HUBS AND
CONNECTIONS
SHARED MOBILITY REGULATORY FRAMEWORK
COMPLETE STREETS
SIDEWALK STANDARDS
WALKING AND BIKING ENCOURAGEMENT
PROGRAMS
DELIVERY-FRIENDLY DESIGN
CURBSIDE MANAGEMENT
VISION ZERO
TRAFFIC CALMING
ROAD SAFETY AUDIT
ACCESS MANAGEMENT
TRAVEL DEMAND MANAGEMENT (TDM)
FLEET VEHICLE AUDITS
COOL PAVEMENT
SIDEWALK MANAGEMENT
TRIP REDUCTION ORDINANCES (TRO)
CONNECTED & AUTOMATED VEHICLES
PREPARATIONS
COORDINATED TRAFFIC SIGNAL SYSTEMS

Where to find it

[About Us](#)

[Data and Products](#)

[Long-Range Plan and TIP](#)

[Transportation](#)

[Land Use and Environment](#)

[Planning Assistance Center](#)

[Municipal Resources](#)

[Municipal Outreach Program](#)

[Events](#)

[Commuter Services](#)

[Get Involved](#)



CONNECTIONS 2045 EXPLORER



*SUMMARY REPORT
En Español*



FULL REPORT



*MUNICIPAL
IMPLEMENTATION TOOLBOX*

Thank You!

Jackie Davis

jdavis@dvrpc.org

www.dvrpc.org/connections2045

CONNECTIONS

2045



CONNECT WITH US
www.dvrpc.org



KENNETT AREA

Freight Transportation Study

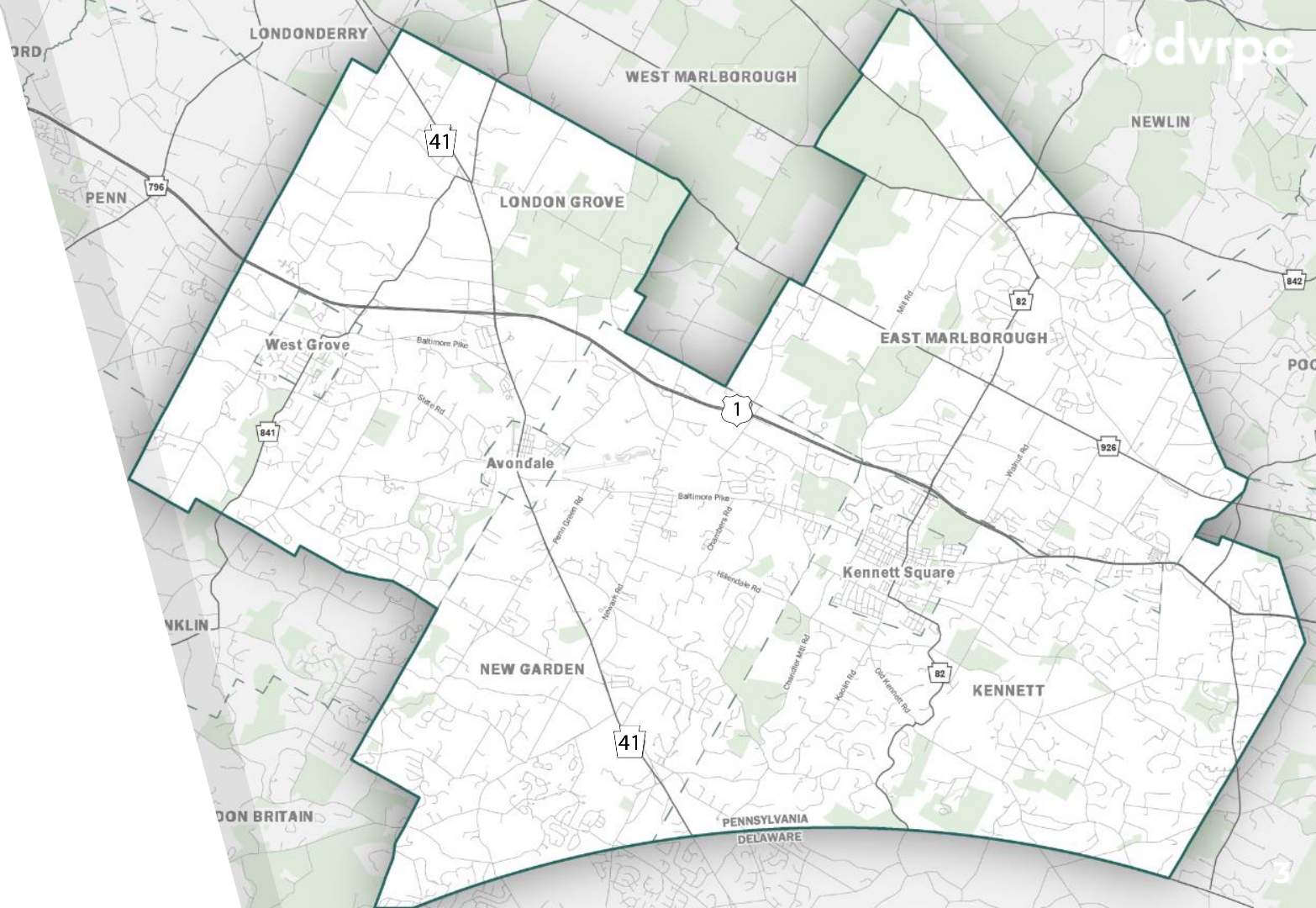
Regional Technical Committee
October 8, 2019



DVRPC REGION



STUDY AREA



STUDY AREA

STUDY PURPOSE

Expand the economy by improving the movement of people and goods through an integrated multimodal transportation network while strengthening livable communities.

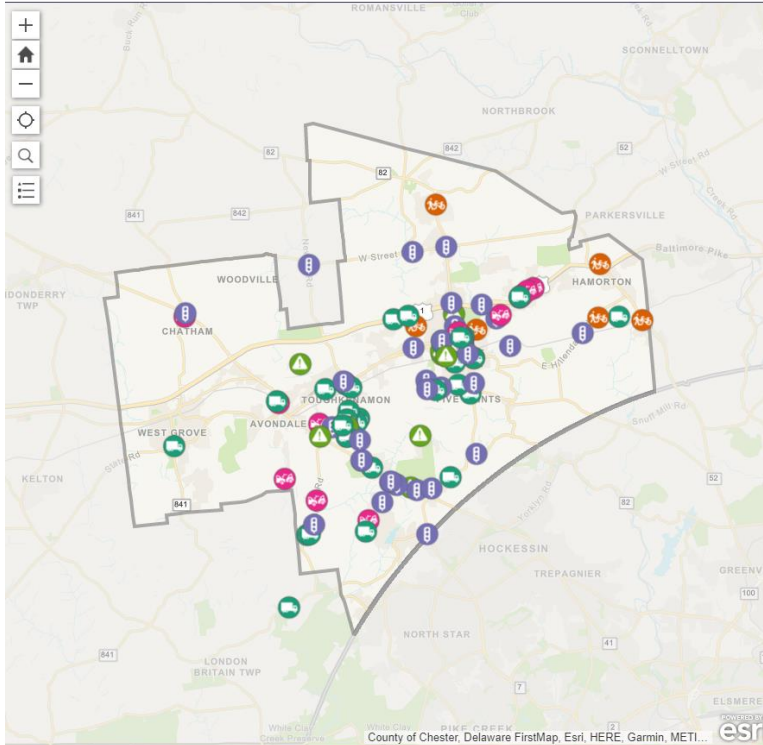
Identify strategies to address:

- ▶ Geometric constraints
- ▶ Bridge restrictions
- ▶ Truck movement/routing
- ▶ Historic resources

COMMUNITY OUTREACH

dvrpc **KENNETT AREA** Freight Transportation Study

Sign In



Transportation Issues	
+ Submit a Report	
Issue: Truck Routing	23 ♥
Issue: Truck Routing	20 ♥
Issue: Intersection Design	14 ♥
Issue: Truck Routing	13 ♥
Issue: Intersection Design	10 ♥
Issue: Bike/Pedestrian	8 ♥
Issue: Truck Routing	8 ♥
Issue: Truck Routing	8 ♥
Issue: Intersection Design	8 ♥
Issue: Truck Routing	7 ♥
Issue: Intersection Design	6 ♥
Issue: Safety	6 ♥
Issue: Truck Routing	6 ♥
Issue: Bike/Pedestrian	5 ♥
Issue: Safety	5 ♥

Source: DVRPC

NEEDS ASSESSMENT

OUTREACH HIGHLIGHTS

- ▶ Trucks on narrow rural roads
 - ▶ Kennett Borough - State & Union Streets
 - ▶ Safety concerns - truck activity in school zones
 - ▶ Truck volume and traffic speeds on PA 41
 - ▶ Need for pedestrian facilities
-
- ▶ Cyclists on rural roads
 - ▶ Truck routing equity

PROJECT GOALS

Identify strategies to:

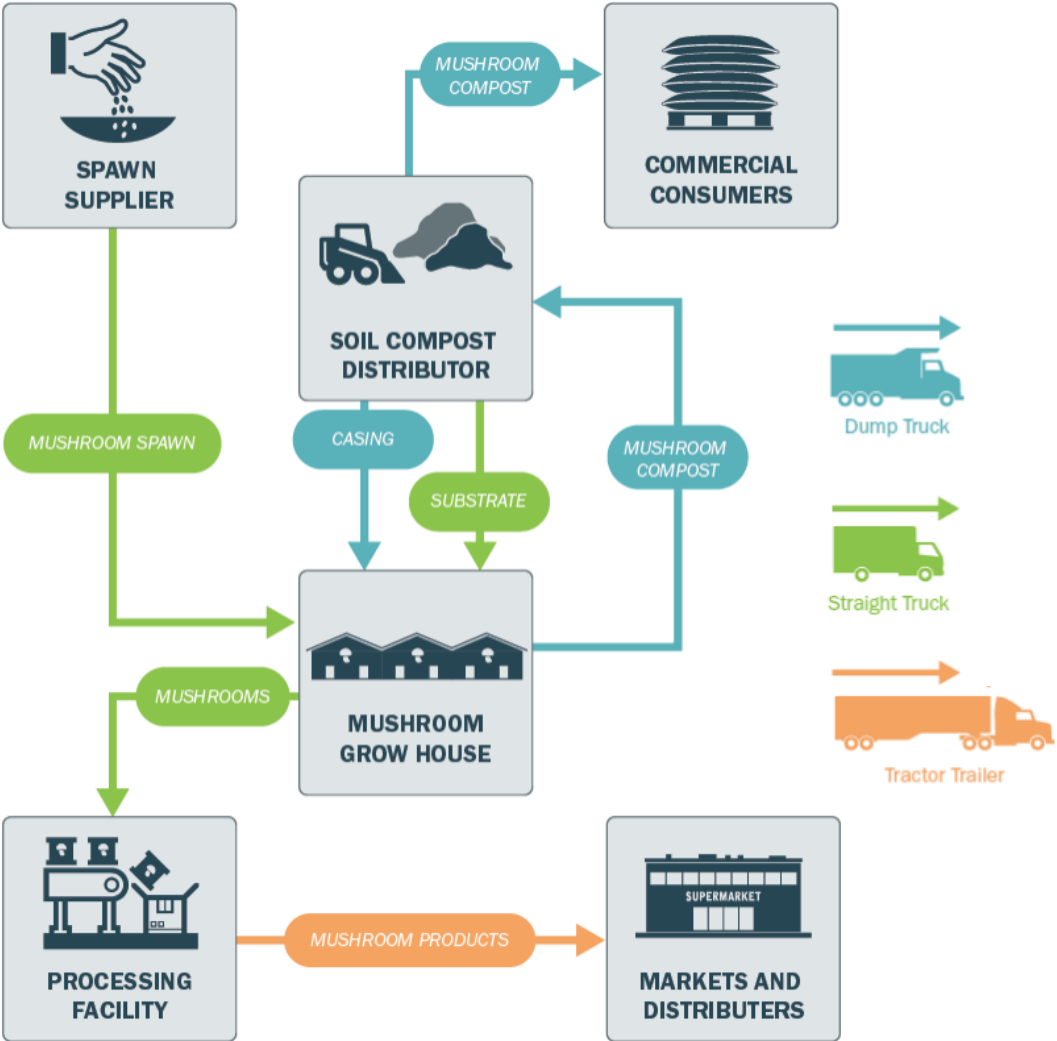
- ▶ Improve traffic flow
- ▶ Identify and improve truck routes
- ▶ Provide appropriate wayfinding
- ▶ Minimize conflicts and impacts of freight on other modes

EXISTING CONDITIONS ANALYSIS

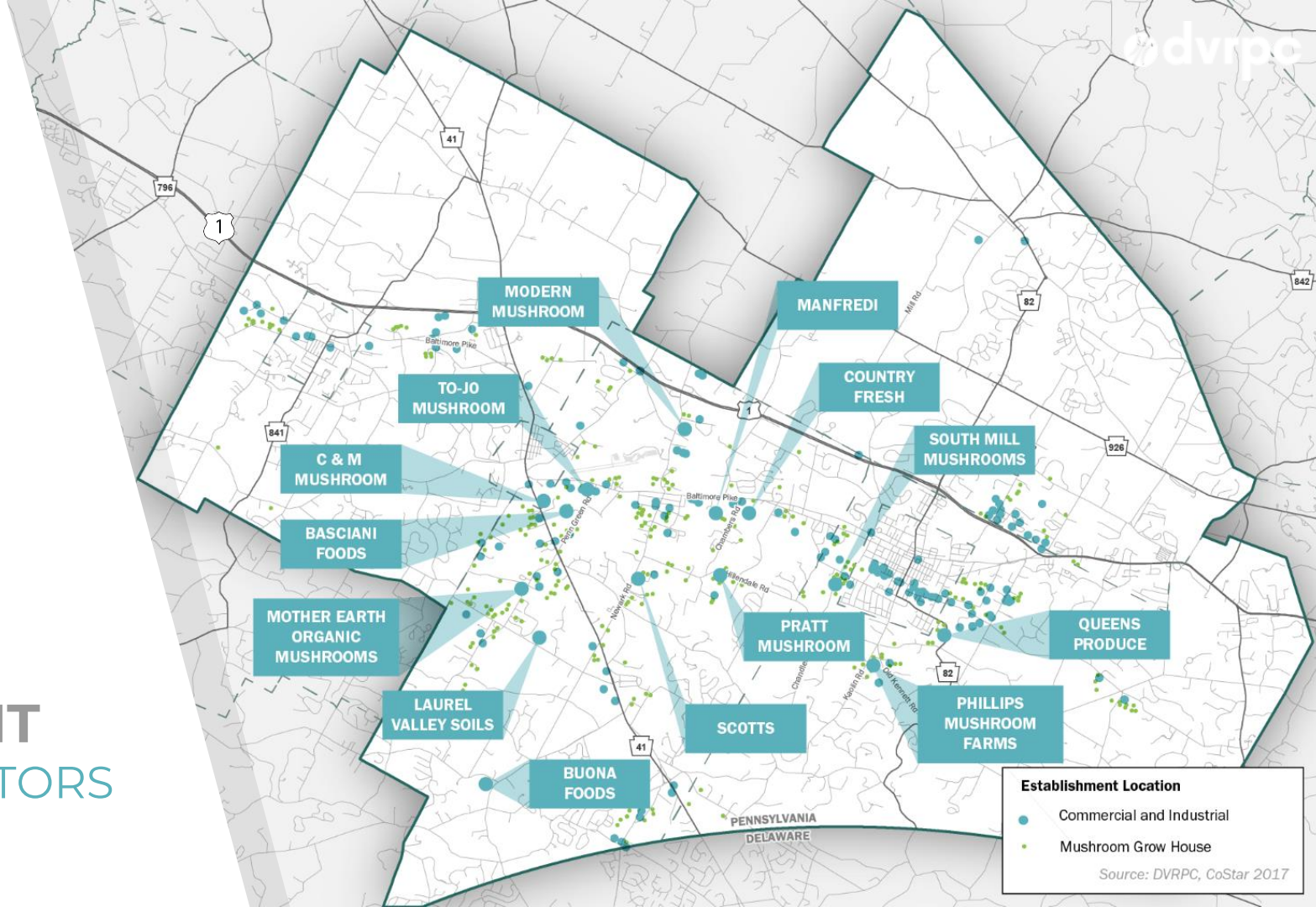
ECONOMIC IMPACTS

- ▶ \$764 M Total Economic Impact
- ▶ \$16.4 M in Tax Revenue
- ▶ 572 M Pounds of Annual Mushroom Crop (60% of National Sales)
- ▶ Supports 8,600 jobs

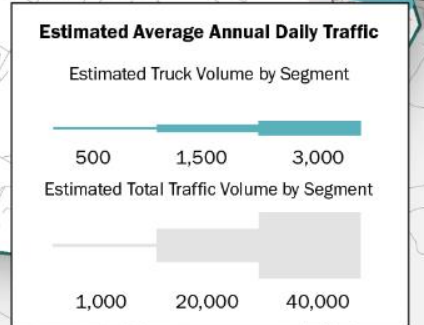
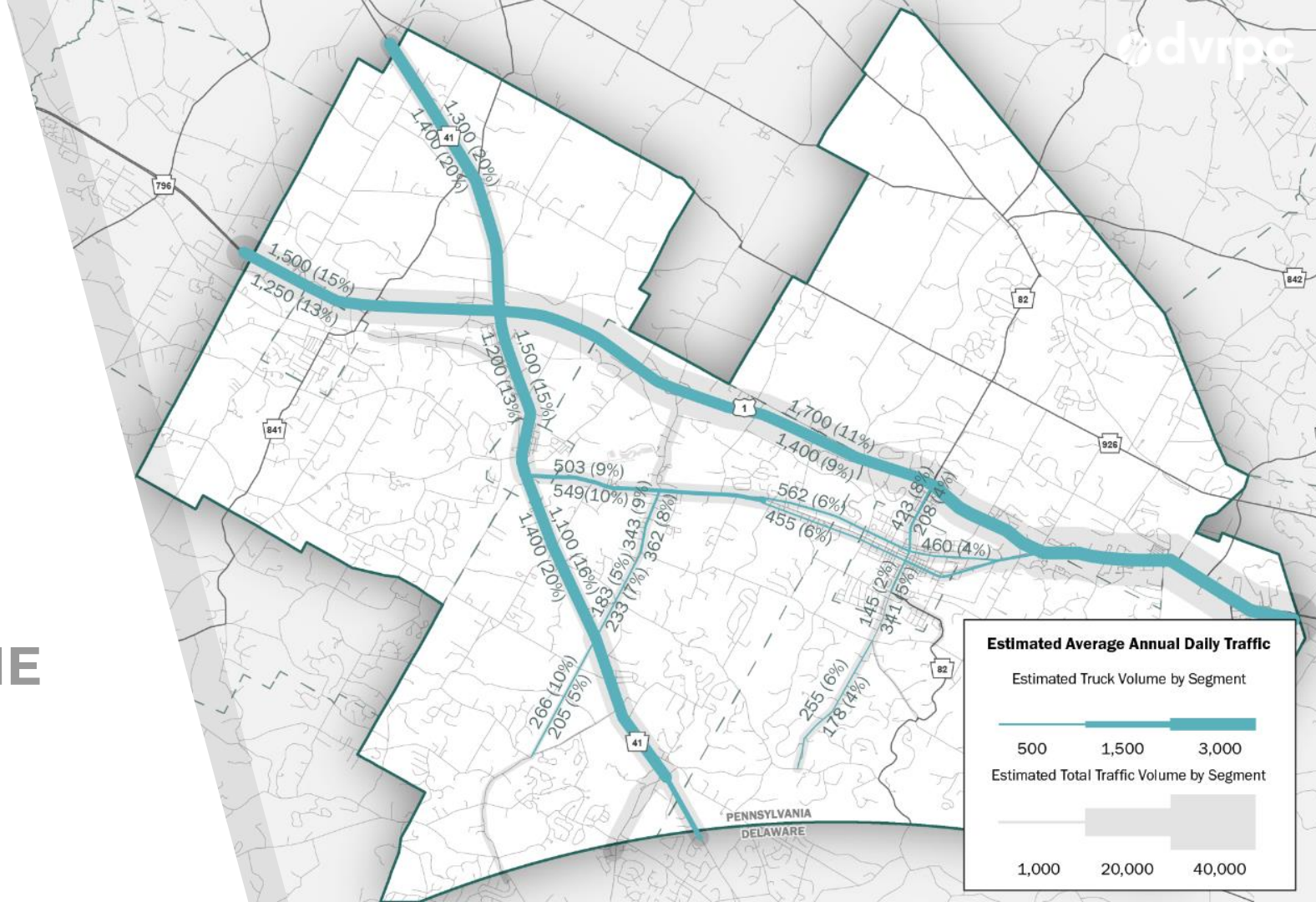




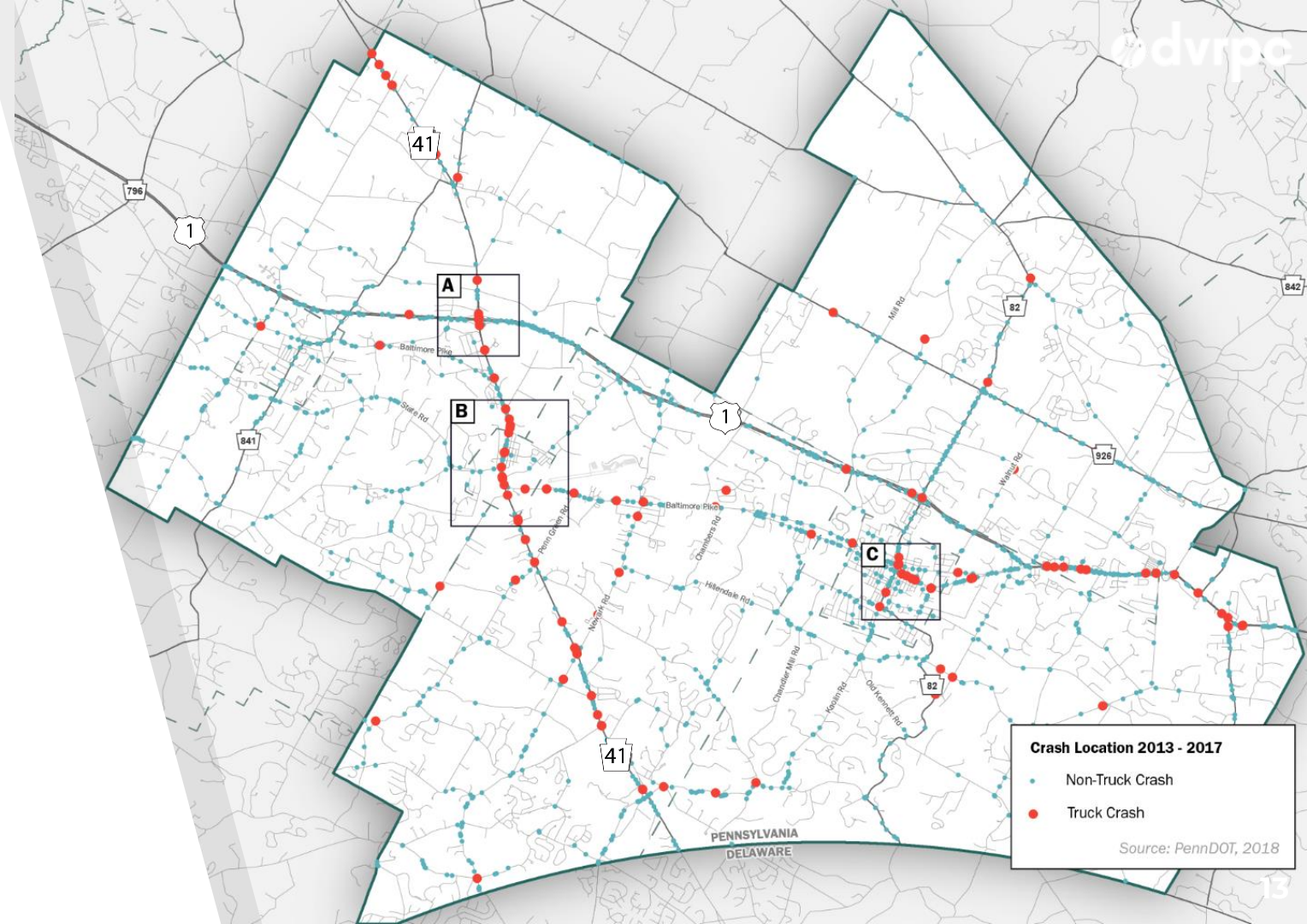
FREIGHT GENERATORS



VOLUME TRUCK ACTIVITY



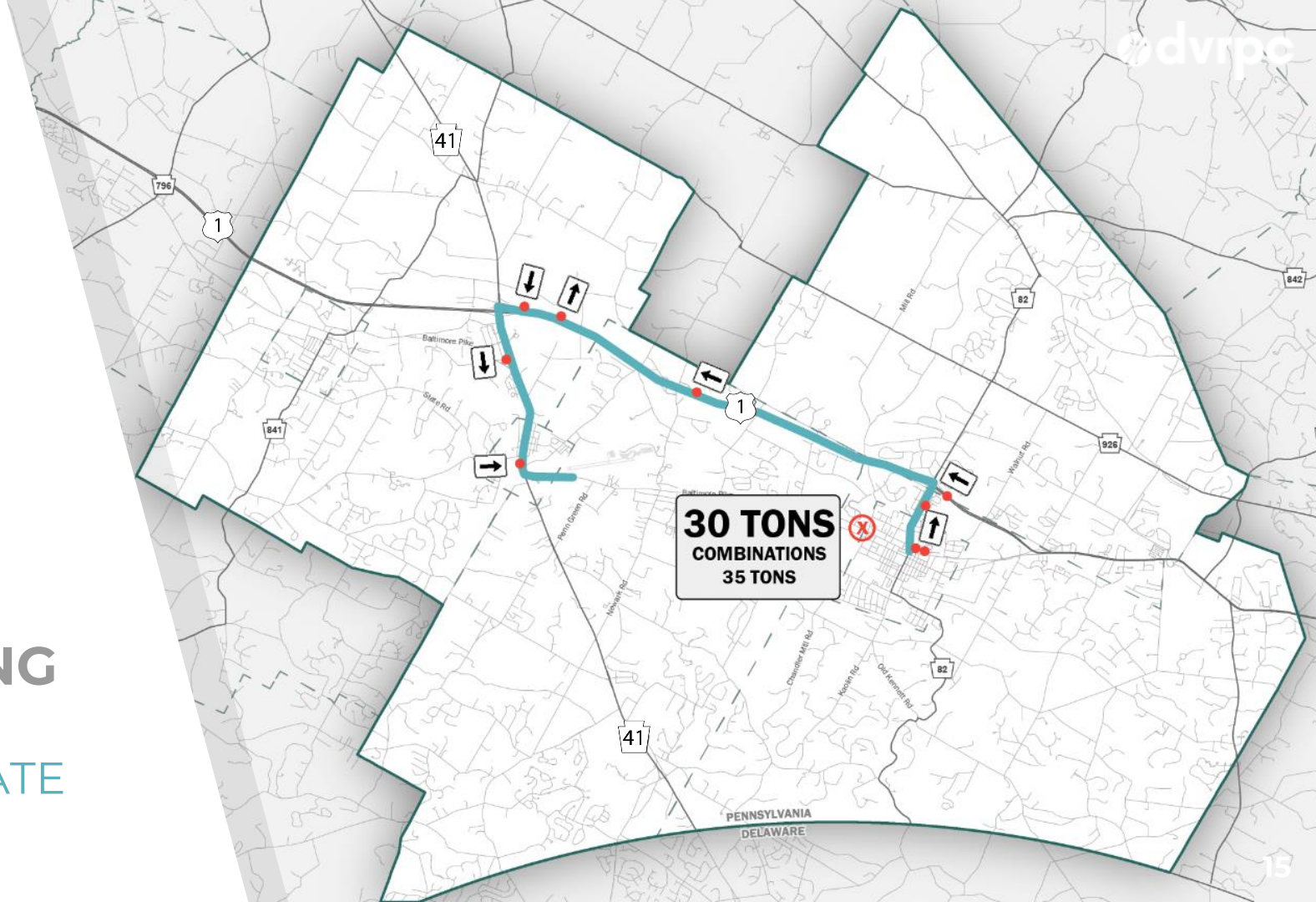
SAFETY TRUCK CRASHES



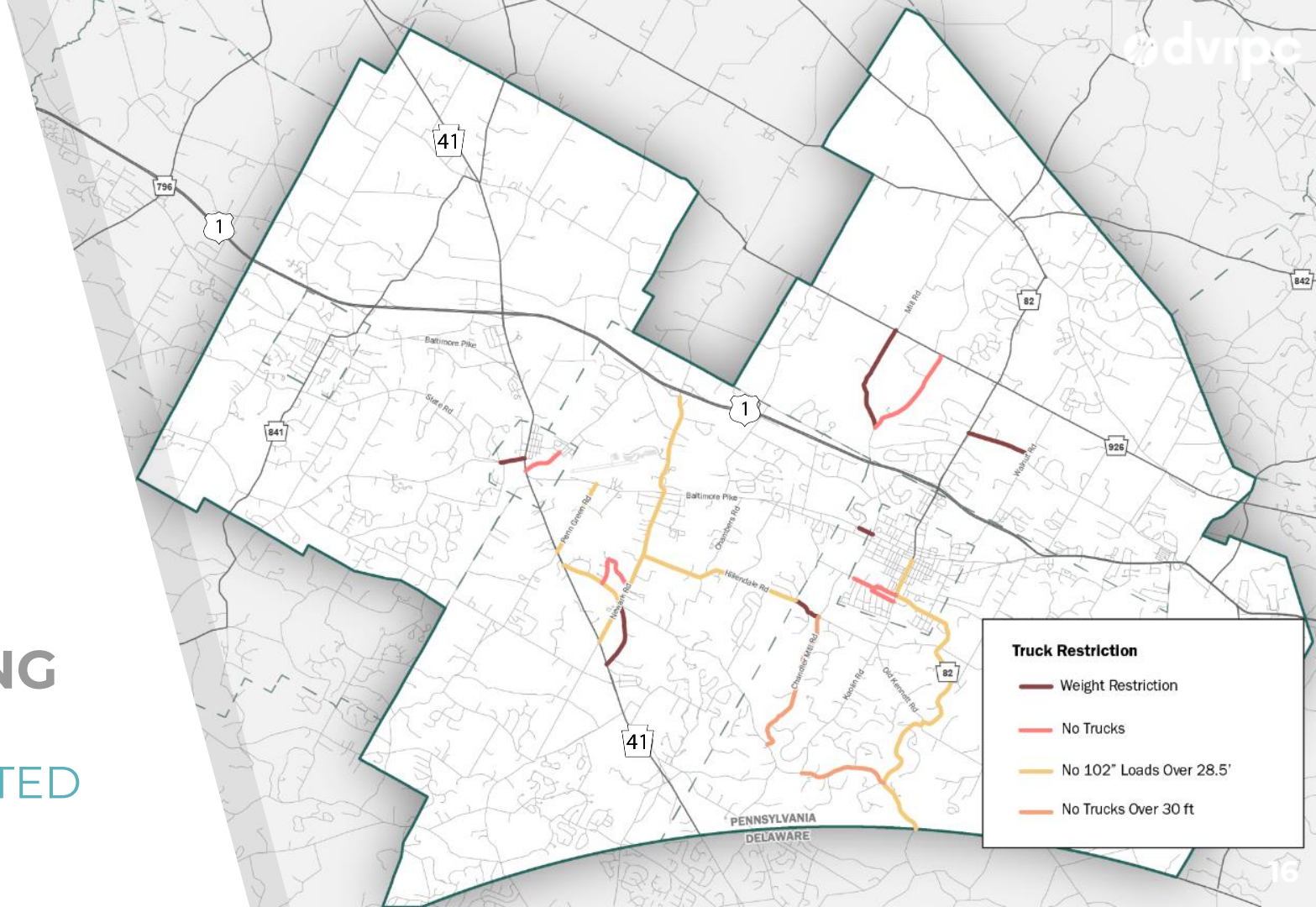
ROUTING STATE & UNION



ROUTING TRUCK ALTERNATE



ROUTING TRUCK RESTRICTED



Truck Restriction

- Weight Restriction
- No Trucks
- No 102" Loads Over 28.5'
- No Trucks Over 30 ft

REPORT

RECOMMENDATIONS

REPORT **RECOMMENDATIONS**

- ▶ Implement traffic calming strategies
- ▶ Designate a local truck route network
- ▶ Improve wayfinding and directional signage

RECOMMENDATIONS

TRAFFIC CALMING

- ▶ Overhead Speed Display
- ▶ Median Gateways



RECOMMENDATIONS

TRAFFIC CALMING

- ▶ **Improve Uncontrolled Crossing Locations**
- ▶ High-visibility crosswalks
- ▶ Rectangular Rapid-Flashing Beacon (RRFB)



RECOMMENDATIONS

TRUCK ROUTE DEVELOPMENT

- ▶ **Form a Multi-Jurisdictional Work Group**
- ▶ **Identify Route Components**
 - ▶ Geometric Restrictions
 - ▶ Community Restrictions
 - ▶ Primary Freight Network
 - ▶ Secondary Freight Network

RECOMMENDATIONS

WAYFINDING AND SIGNAGE

Local Restriction

R5-2



R5-2-3



Advance Local Restriction



RECOMMENDATIONS

WAYFINDING AND SIGNAGE

Truck Route Directional Signage



R14-1



M6-1

Truck Route Advance Signage



R14-1



M6-1

NEXT STEPS

- ▶ **Multi-jurisdictional Work Group**
 - ▶ Coordinate restrictions & preferred routes
 - ▶ Update network database
 - ▶ Communication materials to facilities
 - ▶ Inform investment in bike/ped facilities
- ▶ **Resources**
 - ▶ Trip generation and counts
 - ▶ Rough geometry inventory
 - ▶ Best practices

THANK YOU!

Questions/comments:

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