



CMP Supplemental Commitments to Enhance Three TIP Projects

Regional Technical Committee
June 7, 2016



What is the CMP?

- Medium-term planning to advance Long-Range Plan goals and strengthen the connection between the Plan and TIP
- Requirement of federal surface transportation legislation
- Analyzes the regional transportation network and identifies congested corridors and strategies to minimize congestion



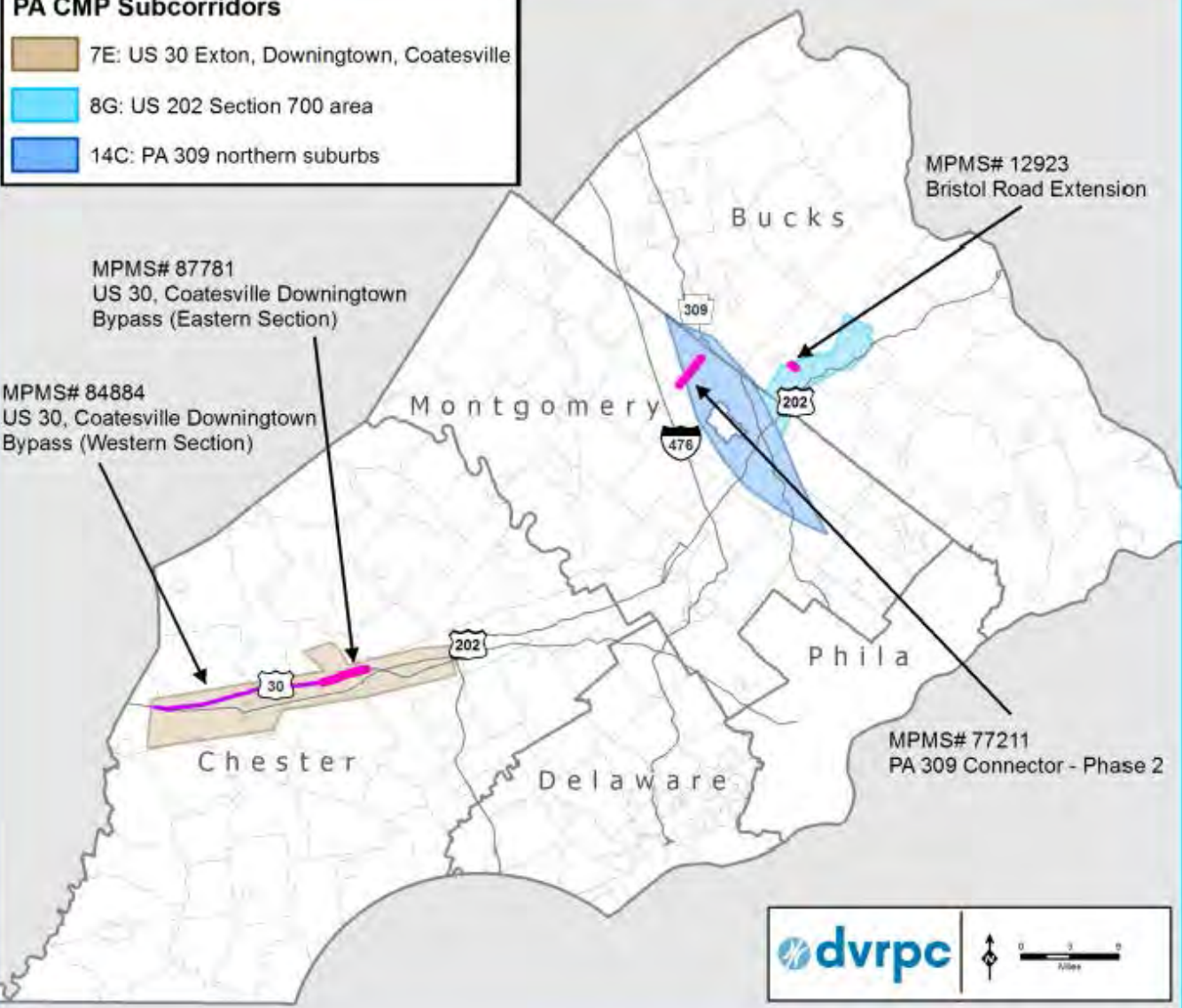
SOV Capacity Adding Projects

- Federal regulations require exploring alternatives to building new Single Occupancy Vehicle (SOV) road capacity
- Where additional capacity is appropriate, multimodal supplemental commitments to get the most long-term value from the investment must be included
- The commitments need to be approved by the RTC before the project can be added to the TIP for final engineering

Pennsylvania Projects with New CMP Supplemental Commitments for RTC Approval

PA CMP Subcorridors

- 7E: US 30 Exton, Downingtown, Coatesville
- 8G: US 202 Section 700 area
- 14C: PA 309 northern suburbs



dvrpc

0 3 6 Miles



Presentation Outline

- Overview of each project
- Summary of multimodal supplemental commitments
- Request for RTC approval

See handout for more details about the projects and specific supplemental commitments



Bristol Road Extension

- MPMS# 12923
- Will provide a two-lane extension of Bristol Road for approximately 2000 feet, from US 202 to Park Avenue
- On the small end of major SOV capacity-adding projects
- Supplemental commitments include:
 - New sidewalk connections
 - Signal improvements
 - Turning movement enhancements
 - Coordination with SEPTA (RE bus routes, track relocation)



PA 309 Connector Project—Phase 2

- MPMS# 77211
- Extend Wambold Road to the intersection of Cowpath Road and Township Line Road
- Reconstruct and widen Township Line Road from Cowpath Road to Souderton Pike
- Realign and signalize intersection of Penn Street & Township Line Road
- Signalize intersection of Township Line Road & Souderton Pike



PA 309 Connector Project—Phase 2

Supplemental commitments include:

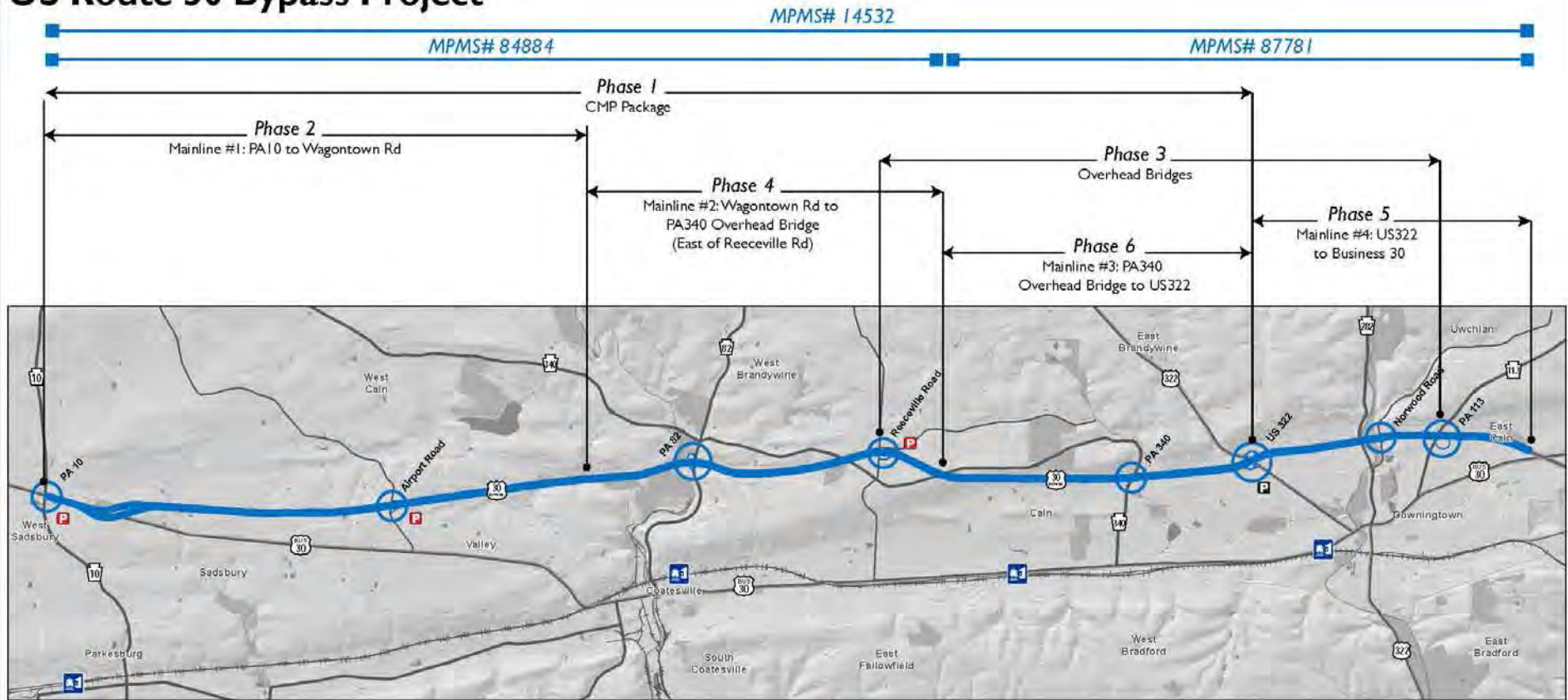
- Pedestrian and bicycle improvements
 - Construct new sidepath; Realign and extend existing sidepath
 - Stripe crosswalks and install pedestrian countdown timers at all signalized intersections
- Install ITS devices to aid with regional incident management
- Signal improvements
- Turning movement enhancements and circulation improvements
- Coordinate with SEPTA to accommodate bus routes in vicinity
- Employer outreach to promote Transportation Demand Management (TDM) strategies



US 30, Coatesville Downtingtown Bypass

- MPMS#'s 87781 and 84884 (Eastern and Western Sections)
- Both sections include mainline reconstruction and upgrades to bring shoulders, ramps, bridges, etc. up to modern standards
- MPMS# 84884 will upgrade Airport Road to a full interchange
- Study underway to determine how to address new capacity needs in the eastern section
- Together, these projects are on the large end of major SOV capacity-adding

US Route 30 Bypass Project



- Candidate Park N' Ride Locations
- Existing Park N' Ride Location
- Existing Train Stations

Project Phasing (DRAFT)

Phase	Project Phase Description	Years														
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	CMP Package: ITS Extension to PA 10; Park 'n Rides at PA 10, Airport Road, Reeceville Road															
2	Mainline #1: PA 10 to Wagontown Road (Airport Road Interchange, PA 10 @ US 30)															
3	Overhead Bridges (PA 340 W7, Reeceville Road, PA 340 E, PA 113)															
4	Mainline #2: Wagontown Road to PA 340 (eastern) overhead bridge (PA 82 and Reeceville Rd INTS)															
5	Mainline #4: US 322 to Business 30 (East Caln) with C-D system?															
6	Mainline #3: PA 340 (eastern) overhead to US 322															

Legend: Pre-Con. Construction



US 30, Coatesville DOWNTOWN Bypass

Supplemental commitments include:

- Corridor-wide ITS expansion:
 - ITS on US 30 Bypass, US 30 Business, surrounding arterials including PA 113, US 322, PA 340, Reeceville Road, PA 82, Airport Road, PA 10
 - Advance contract prior to mainline work. Final Design starting 2017 (MPMS# 106265)
 - Includes CCTV cameras, dynamic message signs, EZ Pass tag readers, incident detectors, fiber communications systems, and expressway service patrol



US 30, Coatesville Downingtown Bypass

Supplemental commitments include (continued):

- Transit Improvements:
 - Coatesville Train Station improvements and streetscape
 - Downingtown Train Station Relocation and potential TOD
 - Exton Station Improvements
 - Phase 1 – new ADA compliant station, passenger amenities
 - Phase 2 – bus circulation improvements
 - Phase 3 – new parking garage
 - Investigation of Paoli-Thorndale restoration of service west of Thorndale and possible capacity enhancements



US 30, Coatesville Downingtown Bypass

Supplemental commitments include (continued):

- Improvements for bicyclists and pedestrians:
 - Expanded bicycle parking at Downingtown Station and others
 - Investigation of sidewalks, crosswalks, bike lanes on US 30 Business
- Signal retiming on US 30 Business and other key arterials
- Investigation of new park-and-ride facilities
- Employer outreach to promote/implement TDM strategies
- *See handout for full list*



Next Steps

Next steps include:

- RTC approval
- Publish final tables in *2016–2017 Supplemental Projects Status Memorandum*
- Meet with stakeholders as projects progress to revise and implement supplemental strategies

Questions?



RTC Approval

The action requested today is:

The RTC approves the supplemental commitment tables for the Bristol Road Extension, PA 309 Connector—Phase 2, and US 30, Coatesville Downingtown Bypass (Eastern and Western Sections) projects.



For more information, see
www.dvrpc.org/CongestionManagement or contact

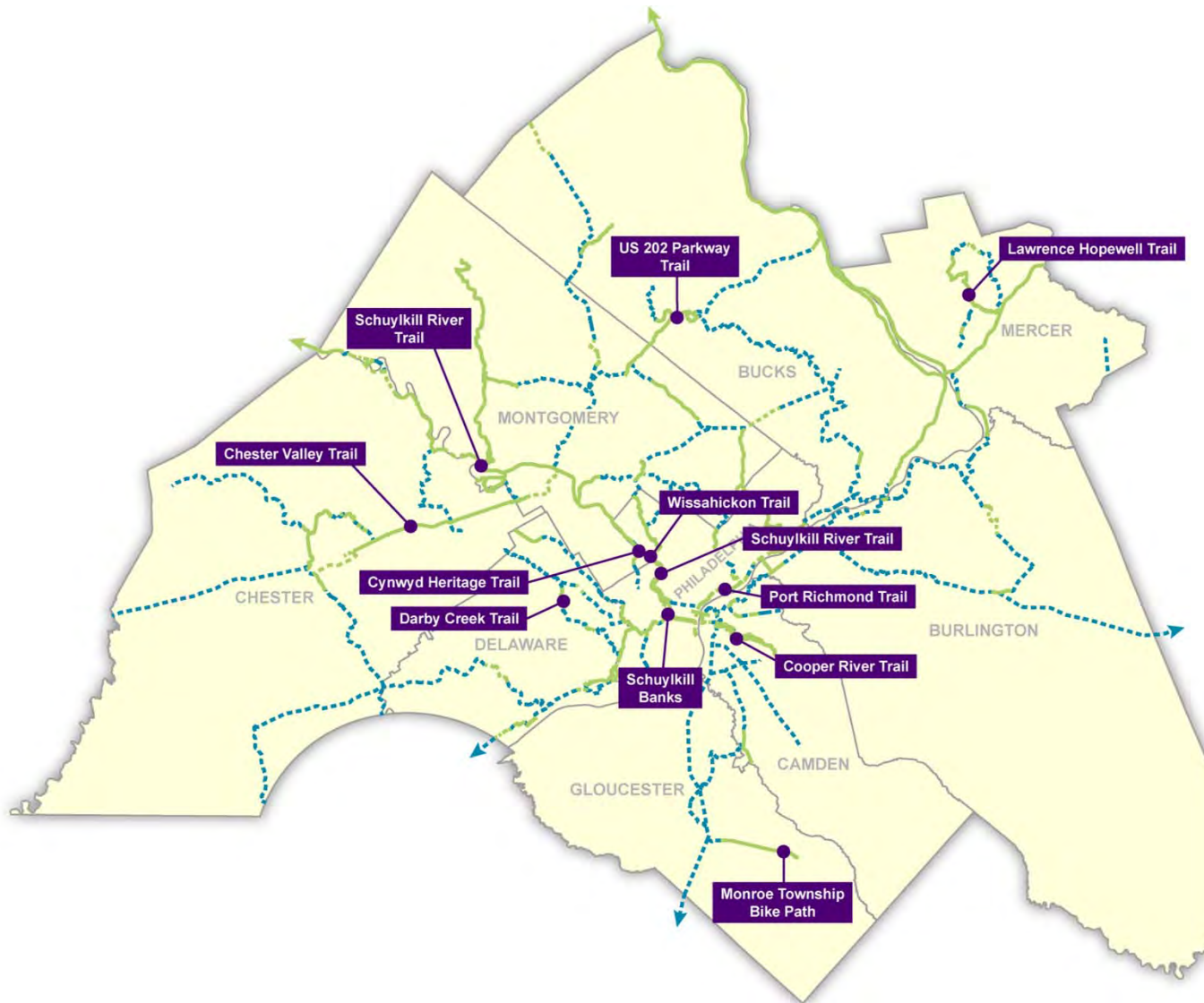
Jesse Buerk, Senior Transportation Planner
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Work Program Amendment: Acquisition and Installation of Three Permanent Bicycle and Pedestrian Counters

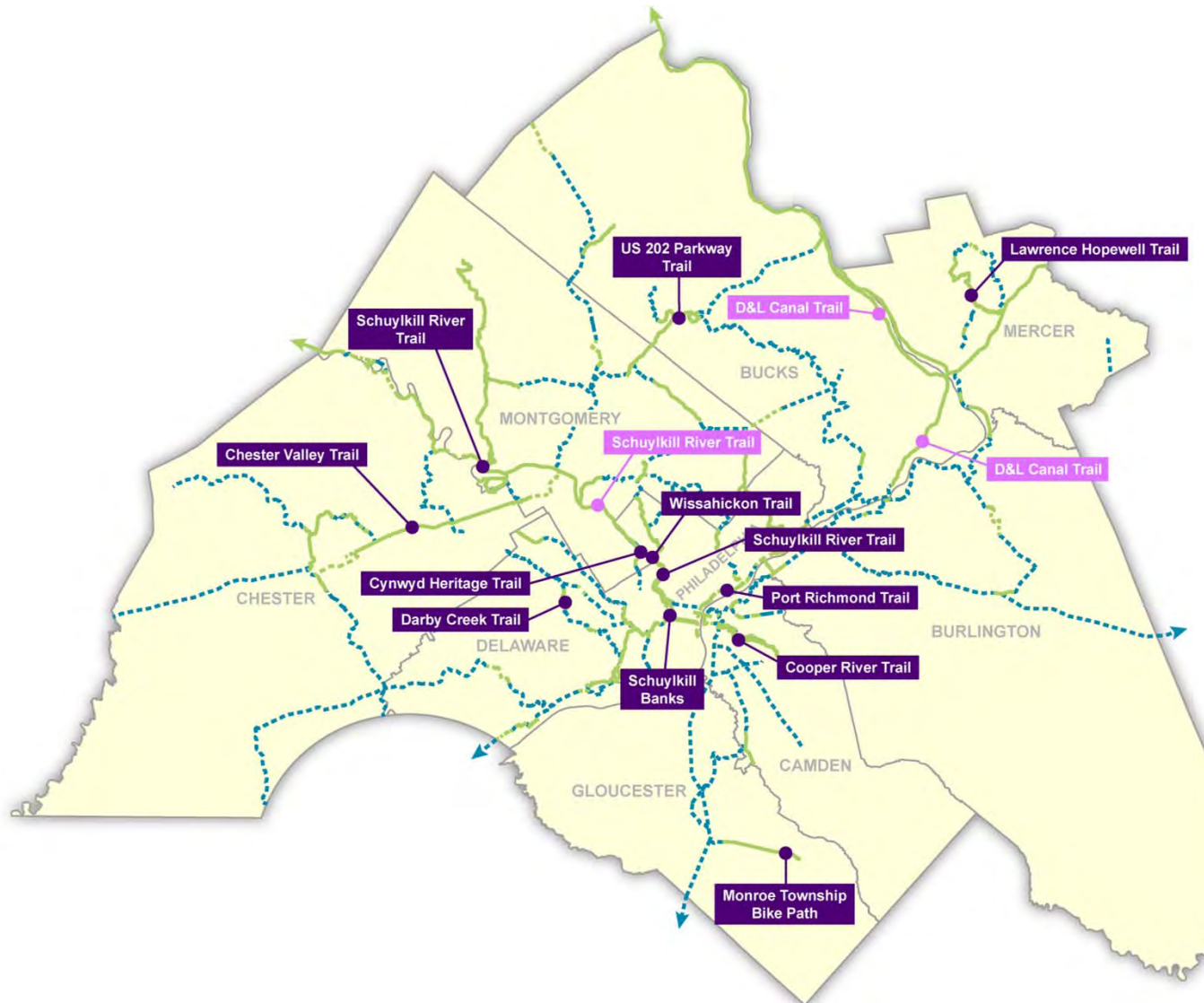
June 7, 2016



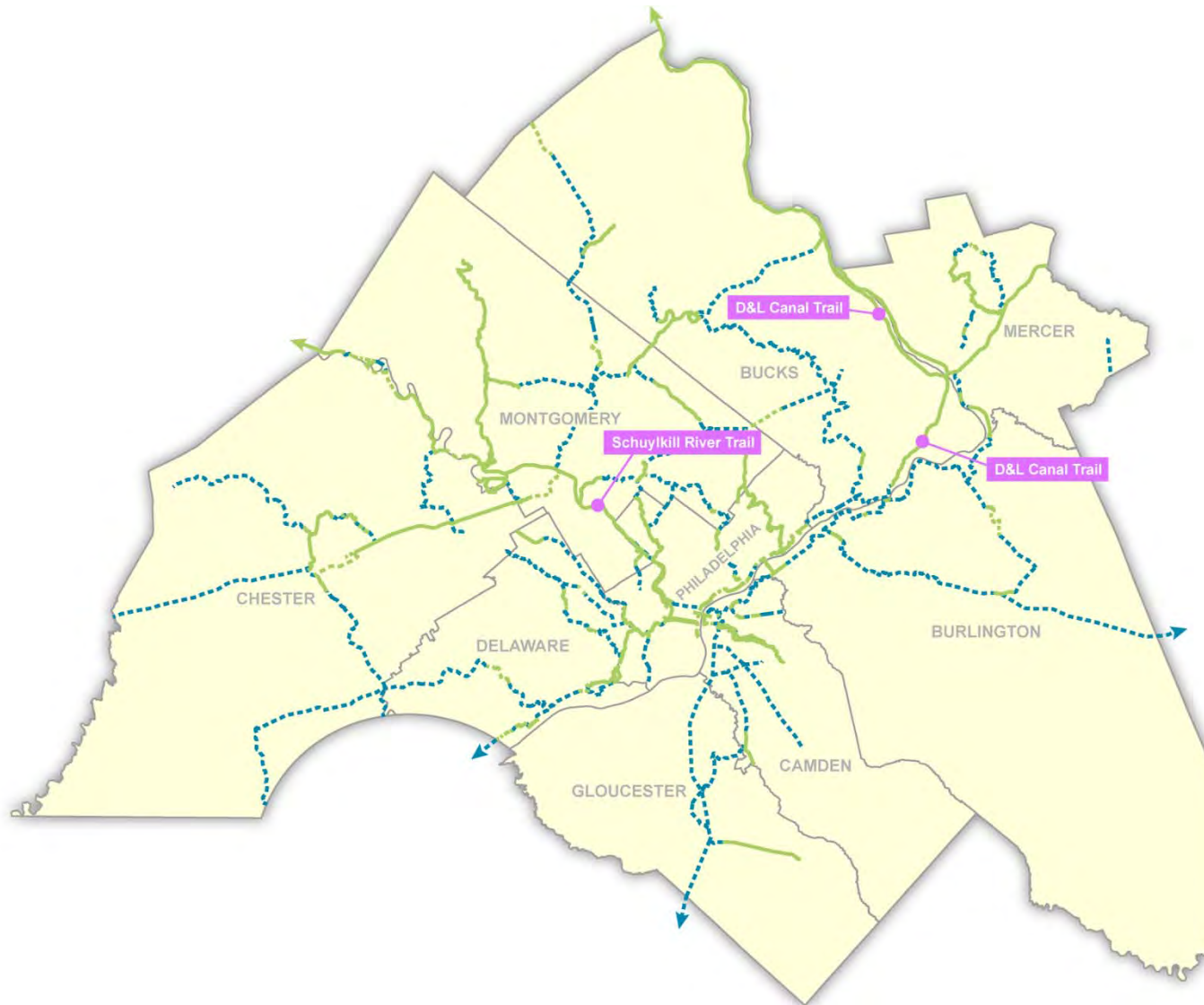
Installed Counters



Installed and Proposed Counters



Proposed Counters



Action Proposed

- **Recommend that the Board approve a work program amendment to authorize the acquisition and installation of three permanent bicycle and pedestrian counters and accept a \$19,250 grant from the Pennsylvania Environmental Council for the same.**

Thank You!



Round 12/13 - FY 2017 Transportation and Community Development Initiative (TCDI)



June 2016



Delaware Valley Regional Planning Commission



TCDI Program

- ❑ Started in 2002, TCDI provides funding for early stage planning, analysis or design initiatives which implement the long-range plan and enhance the efficiency of the regional transportation system.
- ❑ \$1.8 million available: \$1.2 million in PA and \$600K in NJ.
- ❑ Available to all 352 municipalities in the region and county partners.





Solicitation Process

- ❑ Announced March 1.
- ❑ Mandatory information meeting on March 15.
- ❑ Resolutions required from each applicant regarding match requirement and timeframe for completion.
- ❑ Single projects - \$100 K (soft cap); Multi-municipal -\$175 K(soft cap); Minimum award - \$25,000
- ❑ Applications due April 22. Resolutions due May 27.
- ❑ 57 proposals received: 41 PA for \$3.6 million; 16 NJ for \$1.2 million.





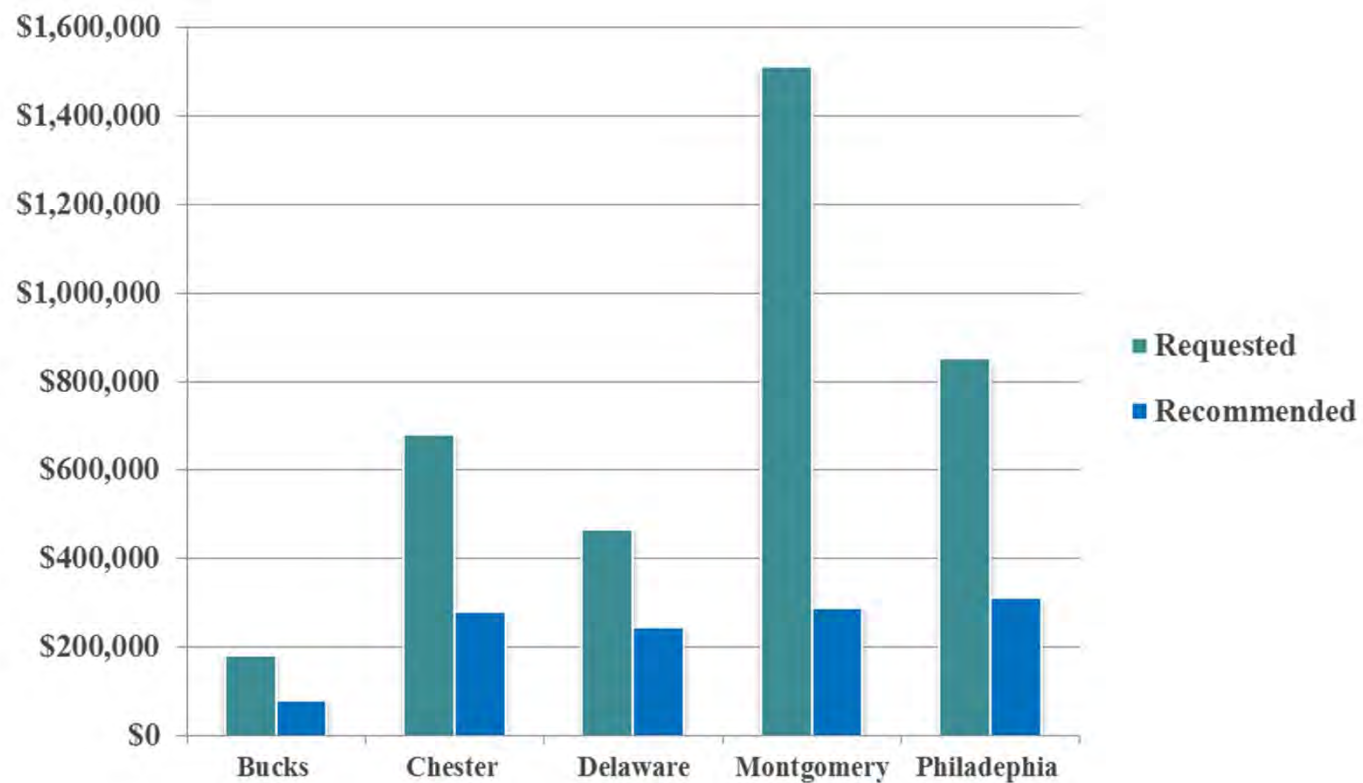
Project Evaluation

- ❑ Review Committee: DOTS, state agencies, Public Participation Task Force, transit agencies, county partners, a nonprofit, and academic institution.
- ❑ Projects were scored using five criteria, summed to produce a total score.
- ❑ Community need (25), scope and methodology (30), transportation nexus (25), outreach (10), and sponsor capacity (10).





Pennsylvania Funding: 20 of 41 Recommended



TCDI Recommended Projects in PA

Bucks County (1; \$80,000):

Bristol Township, *Economic Development Analysis*, \$80,000

Chester County (6; \$278,500):

Chester County Planning Commission, *Phoenixville Region Multi-Modal Transportation Plan*, \$52,000

Chester County Planning Commission, *Brandywine Valley Wayfinding Signage Plan*, \$40,000

East Goshen Township, *Paoli Pike Corridor Master Plan*, \$52,500

East Whiteland Township, *Route 30 Corridor Study*, \$75,000

Phoenixville Borough, *Downtown Parking Study*, \$34,000

West Whiteland Township, *Pottstown Pike Congestion Mitigation Feasibility Study*, \$25,000

Delaware County (4; \$243,500):

Delaware County Planning Commission, *Downtown Awakening: Central Places Visioning*, \$80,000

Media Borough, *Updated Economic Development Strategy*, \$56,250

Morton Borough, *Morton Connects*, \$36,000

Upper Darby Township, *Multi-Modal Modernization of the Garrett Road Corridor*, \$71,250



TCDI Recommended Projects in PA

Montgomery County (5; \$288,000):

Abington Township, *Walk Park Train*, \$75,000

Lansdale Borough, *Liberty Bell Trail Alignment Study*, \$28,000

Lower Providence Township, *Ridge Pike West Corridor Study*, \$80,000

Montgomery County Planning Commission, *Bike Montco Plan Development*, \$30,000

Upper Dublin Township, *Transportation Demand Plan (TDM) Plan for the Ft. Washington Office Park*, \$75,000

City of Philadelphia (4; \$310,000):

Wissahickon Gateway, \$100,000

Where the Sidewalk Gaps: A Program for Prioritizing Repairs, \$100,000

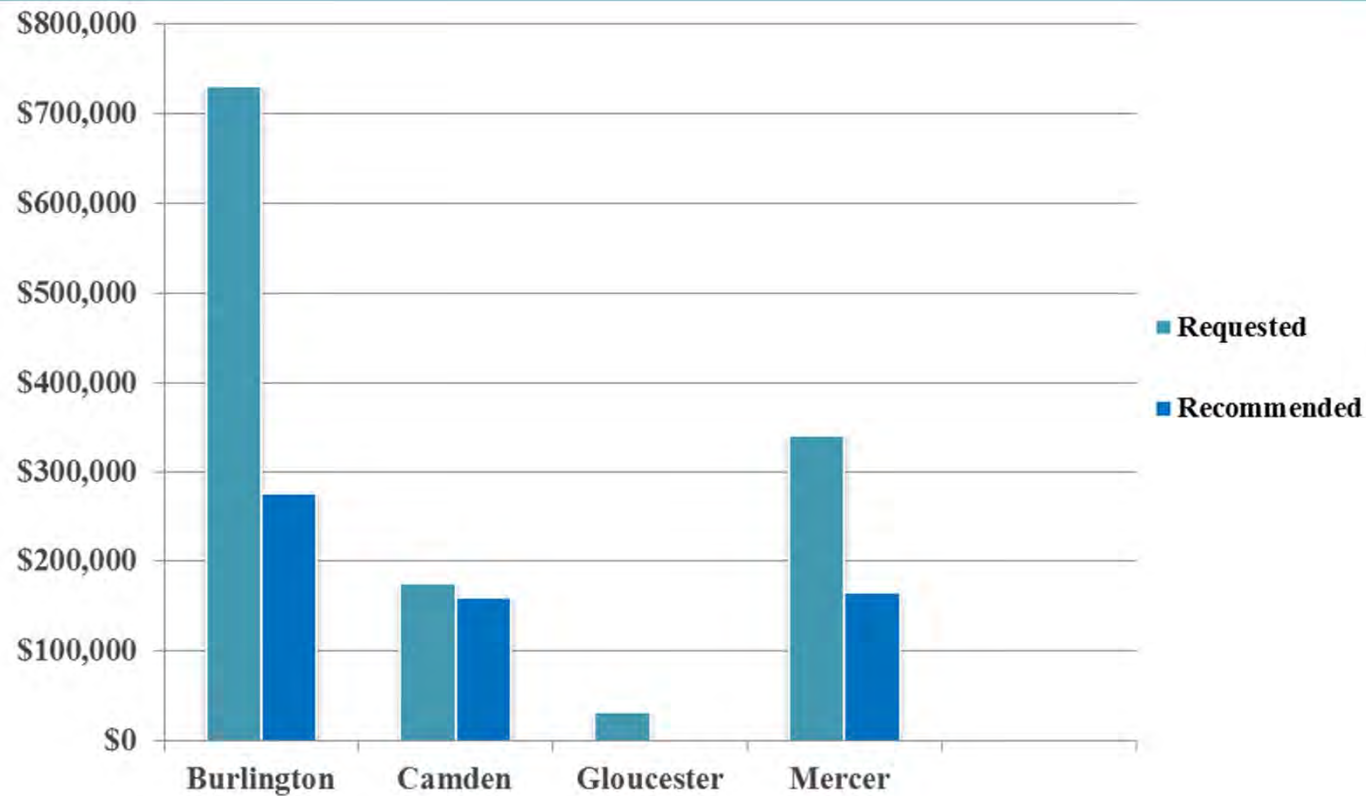
Complete Streets Calculator, \$80,000

Critical Matchmaking between Vision Zero Research and Practice, \$30,000





New Jersey Funding: 6 of 16 Recommended



TCDI Recommended Projects in NJ

Burlington County (2; \$275,000):

Burlington County Department of Economic Development and Regional Planning (EDRP),
River Route Circulation Plan, \$175,000

Burlington County Department of Economic Development and Regional Planning (EDRP),
Conceptual Design Plan to Route 130 Intersection, \$100,000

Camden County (2; \$160,000):

Cherry Hill Township, *Woodcrest Station Transit-Oriented Development (TOD) Plan*,
\$60,000

Camden County, *Walter Rand Market Feasibility & Station Redesign*, \$100,000

Mercer County (2; \$165,000):

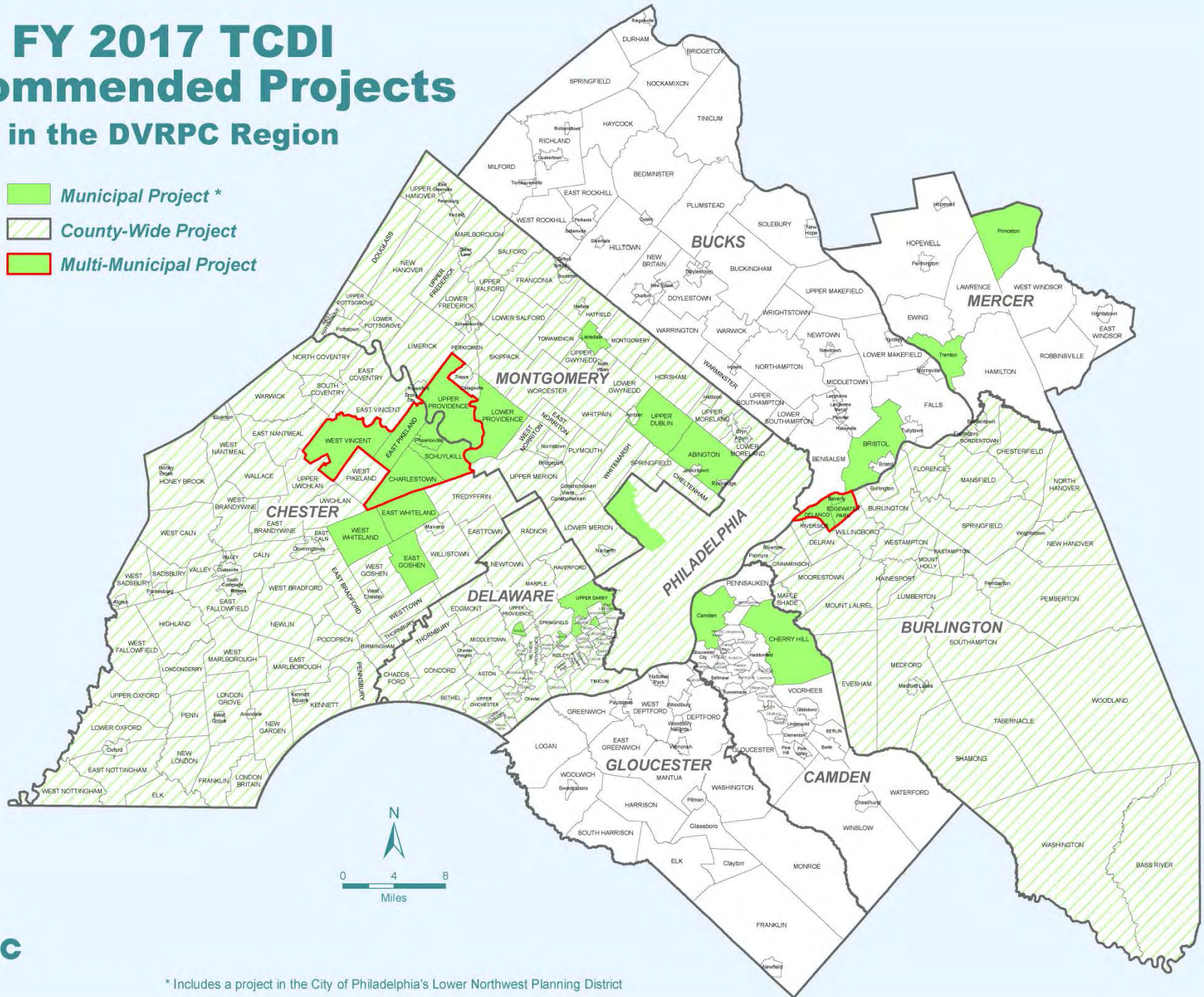
Princeton, *Princeton Parking: Inventory, Analysis & Recommendations*, \$65,000

City of Trenton, *Waterfront Reclamation and Redevelopment Project*, \$100,000



FY 2017 TCDI Recommended Projects in the DVRPC Region

- Municipal Project **
- County-Wide Project*
- Multi-Municipal Project*





TCDI Project Types

- ❑ Multi-Modal Corridor Studies - 7
- ❑ Visioning and Economic Development - 5
- ❑ Trail Feasibility and Access Studies - 4
- ❑ Transit-Oriented and Transit-Centered Studies - 4
- ❑ Bicycle/Pedestrian Accessibility - 4
- ❑ Parking Analyses - 2





TCDI Administrative Requirements

- ❑ July 1 start date; 24 months for completion.
- ❑ Attend mandatory meeting on July 11.
- ❑ Project must be under contract within 6 months.
- ❑ All consultants must illustrate a fair and open RFP process.
- ❑ Detailed budget must include all labor and matching tasks.
- ❑ Quarterly invoicing and progress must be reported to DVRPC.
- ❑ Resolution of adoption or acceptance for the TCDI deliverable.





Action

Recommend approval of the list of FY 2017 TCDI projects to the DVRPC Board for funding so DVRPC may enter into contract with each municipality or county.





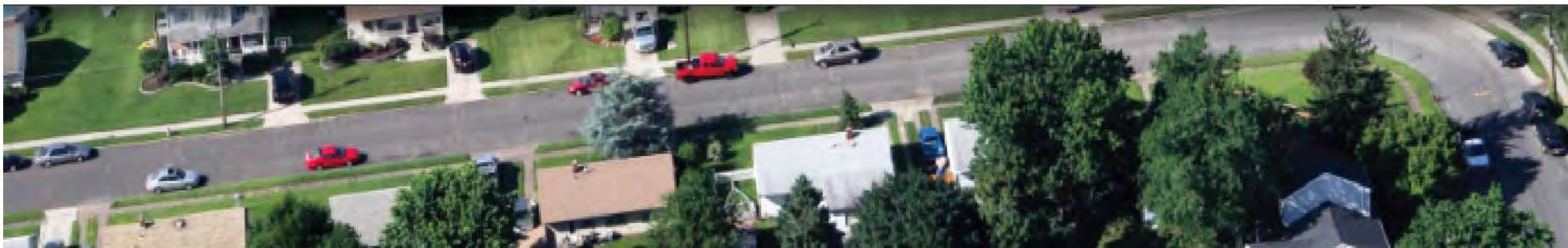
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Amendment #3 for FY17

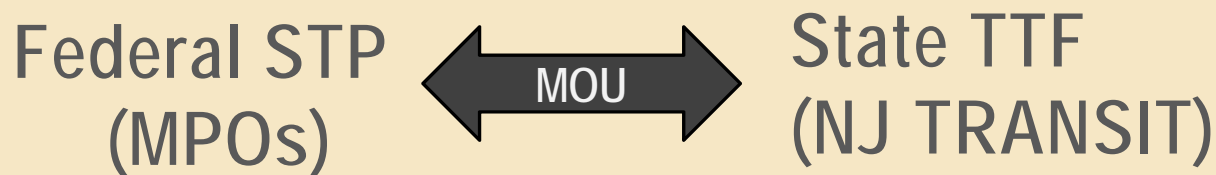
NJ MOU for the Exchange of Program Funds

DVRPC RTC | June 7, 2016



What is the Exchange of Program Funds MOU?

- In early 2014, NJDOT, NJ TRANSIT, and NJ MPOs (DVRPC, NJTPA, SJTPO) agreed to exchange (“swap”) federal funds for state program funds for each of the 5 fiscal years (FY14-FY18).

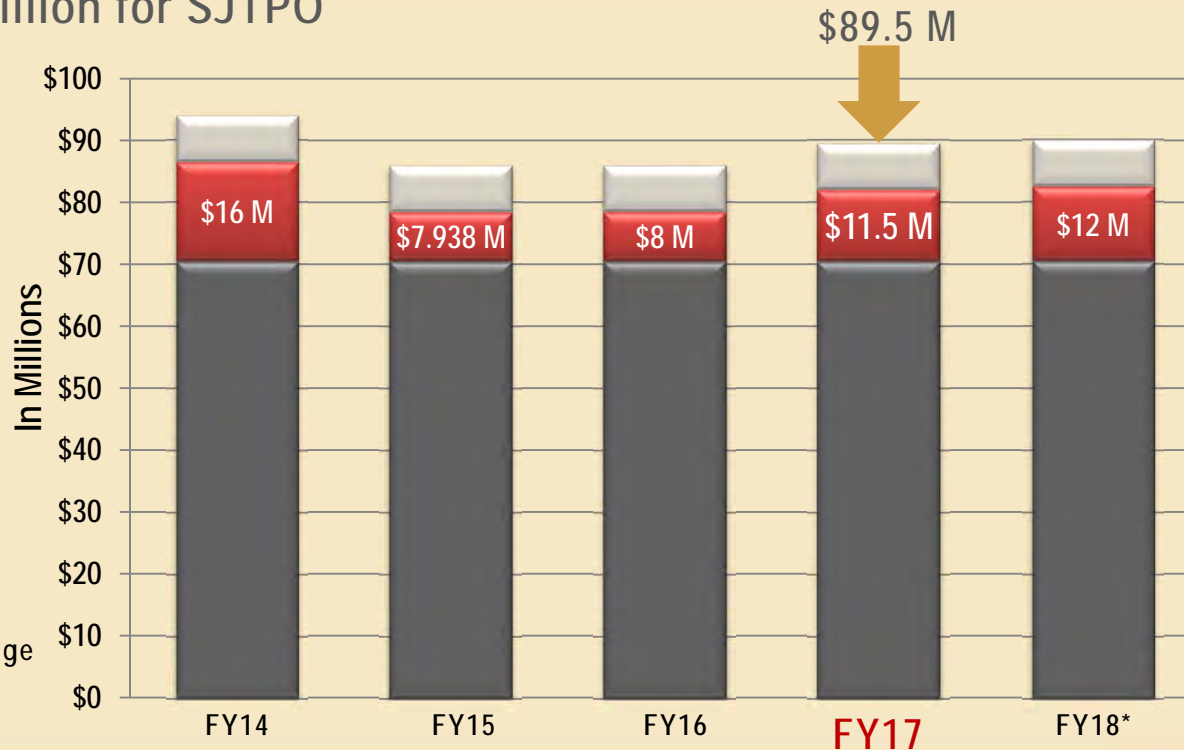


- FY17 will be the 4th year that the DVRPC region participates in this exchange.
- Staff requests approval of the Third Amendment to the original MOU agreement that lays out the parameters for the “swap.”



Third Amendment to the Exchange of Program Funds MOU for FY17

- In FY17, the MPOs will exchange \$89.5 million STP funds with NJ TRANSIT for \$89.5 million STATE TTF funds:
 - \$ 11.5 million for DVRPC – Reflected in the FY2016 TIP
 - \$ 70.5 million for NJTPA
 - \$ 7.5 million for SJTPO



*FY18 Exchange level may change.

SJTPO
 DVRPC
 NJTPA



Benefits

- State TTF funds offers a more flexible schedules for state obligation and provides the region the ability to “roll-over” funds from one fiscal year to the next
- State TTF funds reduces the end-of-the-federal-fiscal-year-scramble for authorization
- Federal STP funds are beneficial for NJ TRANSIT’s capital program
 - Preventive Maintenance-Rail (DB #T39)
 - Preventive Maintenance-Bus (DB #T135)
- Eliminates risk of federal inactivity



Controls in Place

- Contingent on State TTF renewal
- Contingent on State Legislature appropriation of State TTF funds.
- State TTF amount will vary year to year for our region (depending on STP sub-allocation funding amount and what is appropriate for a given project).
- DVRPC region will retain a portion of federal STP funds.
 - FY17 - **projected \$9.7 million** STP funding in DVRPC region
- MOU and level of Program Exchange will be presented for adoption annually.
- A MPO can choose to “Opt Out.”



Administration and Implementation

- MPOs are responsible for managing programming changes (e.g., new projects, schedule changes, cost increases/decreases, change orders)
- March 1st deadline to provide NJDOT with list of projects for next federal fiscal year
- Project cost/scope changes reviewed and approved in accordance with existing MOU for amending and modifying the TIP

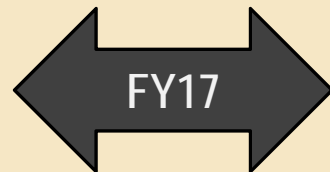


Proposed Action

That the RTC recommend the Board adopt the Third Amendment of the Memorandum of Understanding (MOU) among NJ TRANSIT, the NJDOT, and the three MPOs (DVRPC, NJTPA, and SJTPO) for the Exchange of Program Funds to reflect FY17 exchange levels.

\$89.5 M
Federal STP
(MPOs)

\$11.5 M DVRPC
\$70.5 M NJTPA
\$7.5 M SJTPO



\$89.5 M
State TTF
(NJ TRANSIT)

- Preventive Maintenance - Bus and Rail





Questions?

→ Circuit Funding: Phase IV Grant Awards

Regional Technical Committee, June 7, 2016



Grant Awards

1. Trenton Wellness Loop (construction) – \$195,000
2. D&R Canal–Delaware River Heritage Trail Gap (design) – \$100,000
3. Rancocas Creek Greenway (design) – \$300,000
4. Cooper River Trail, Pub Connector (design) - \$37,820
5. Gloucester Township Bike Path (design) \$217,000
6. Harrison-Mullica Hill Trail (design) – \$400,000

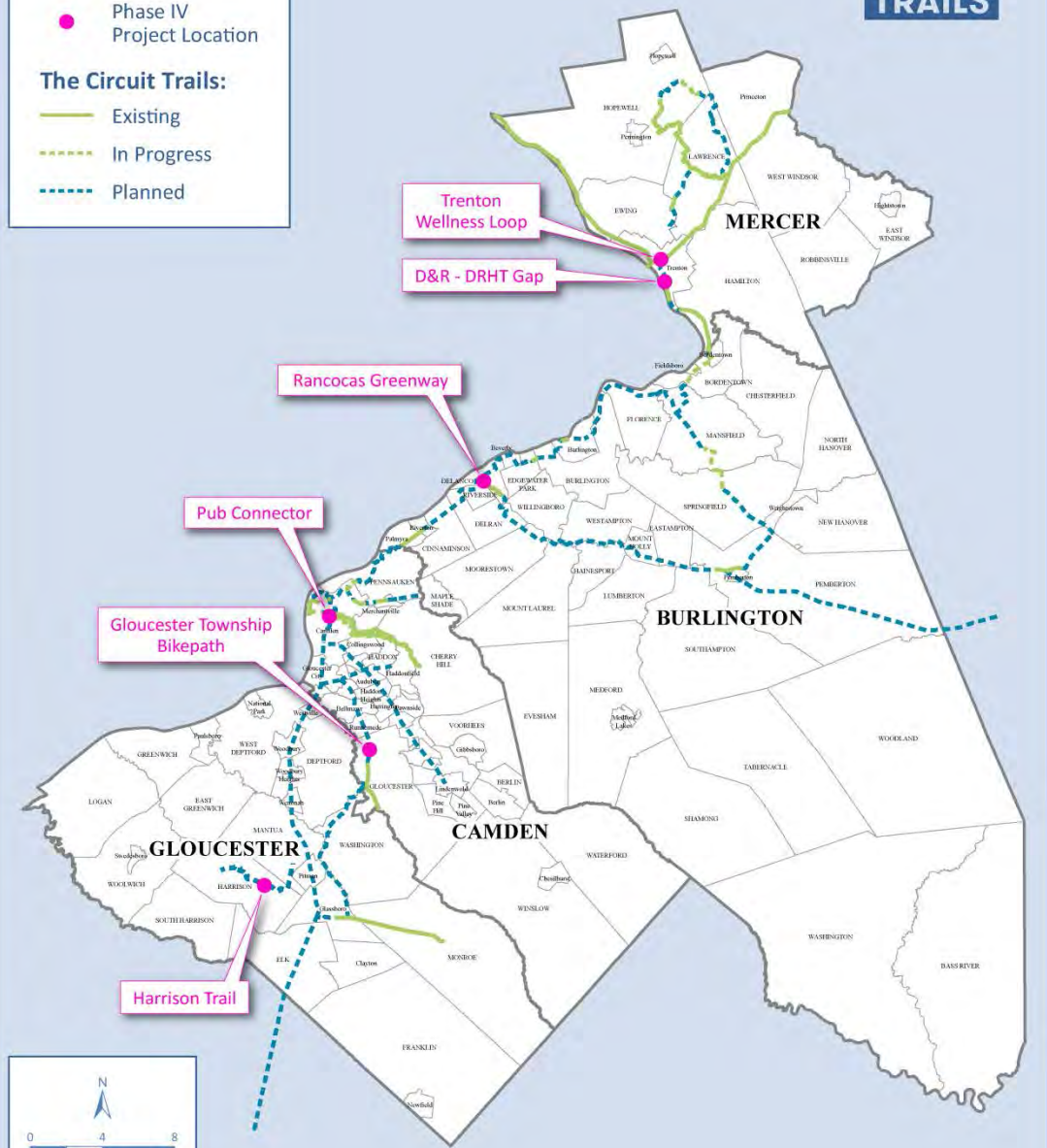
Regional Trails Program - Phase IV Grants

THE CIRCUIT TRAILS

● Phase IV Project Location

The Circuit Trails:

- Existing
- - - In Progress
- · - · - Planned





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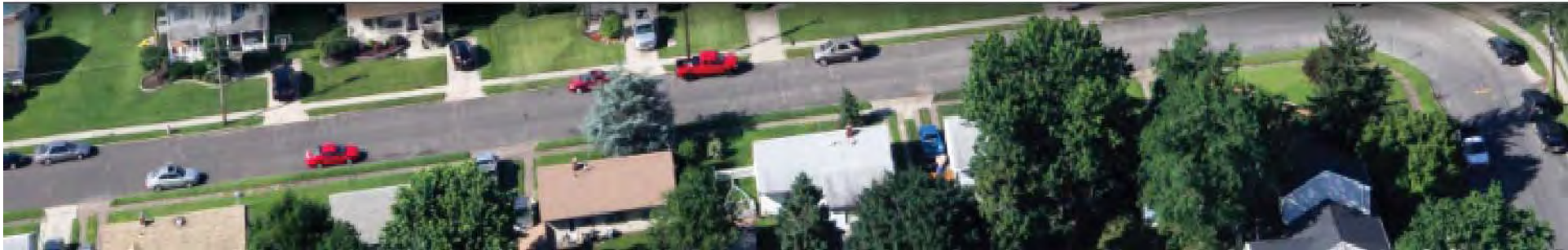
DELAWARE VALLEY
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TIP

TIP Actions

Transportation Improvement Program
Pennsylvania TIP (FY2015-2018)
New Jersey TIP (FY2016-2019)

June 2016



SEPTA Bus Purchase Program

SEPTA I Increase Program Cost

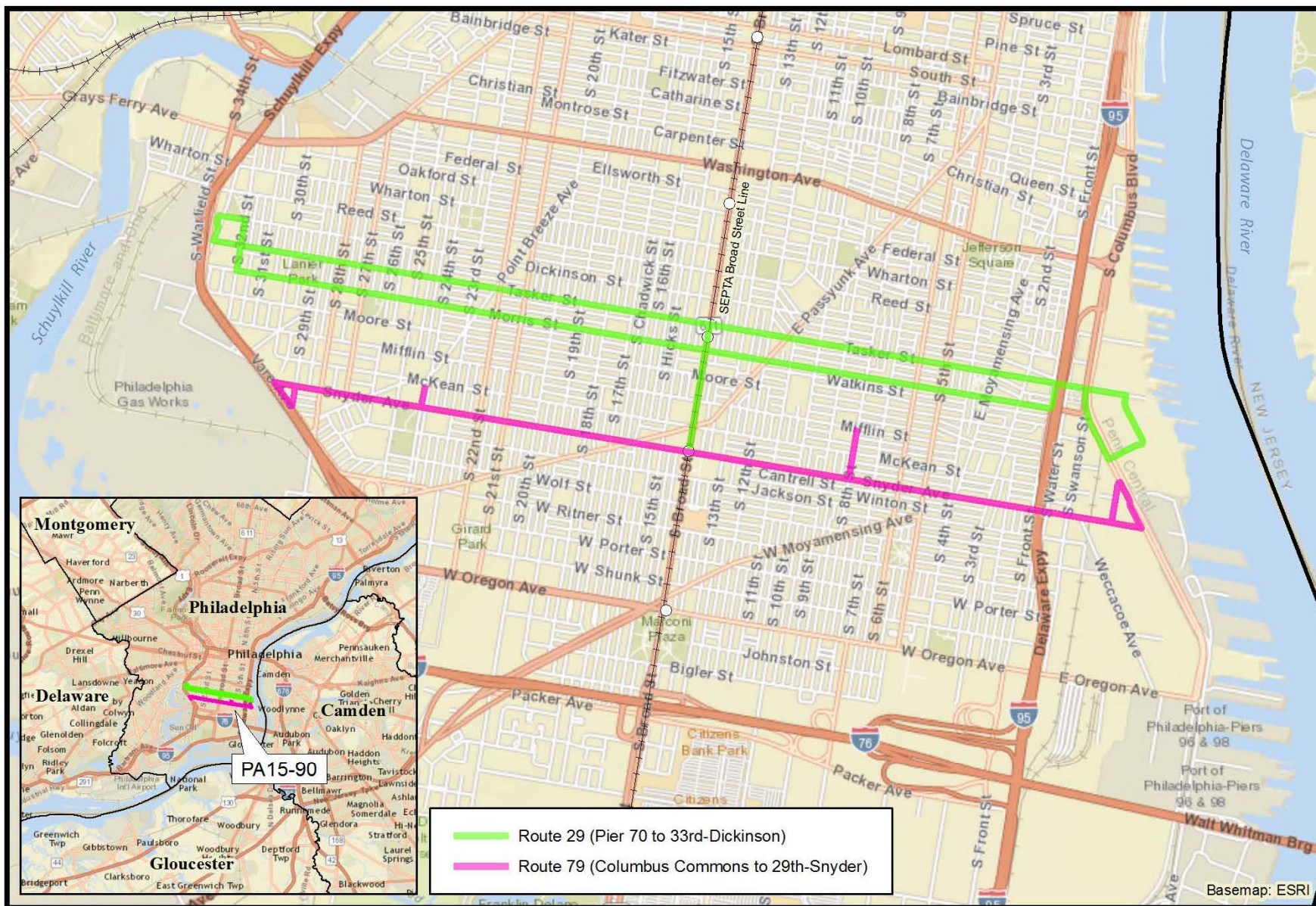
- ▶ Modify the PA TIP by increasing the program by \$23,857,000 (\$2,585,000 Section 5312/\$20,586 State 1514/\$686,000 Local) in FY16 for purchasing 25 all-electric buses and related equipment.
- ▶ SEPTA awarded FTA grant Low or No Emission Vehicle Deployment
 - ▶ \$2,585,000 Federal Section 5312
- ▶ Deployed on SEPTA Bus Routes 29 and 79 in South Philadelphia

SEPTA Bus Purchase Program

SEPTA I Increase Program Cost

- ▶ DVRPC 2015 white paper highlighted advantages of all-electric bus technology for Bus Routes 29 and 79.
 - Demonstrated strong business case for shifting to another vehicle technology,
 - Instrumental in framing the grant application.
- ▶ Good example of:
 - Strategic planning,
 - Business case rationalization,
 - Teamwork between SEPTA and DVRPC

PA15-90: SEPTA Bus Purchase Program



Proposed TIP Action | PA

Modify the PA TIP for the following project:

SEPTA Bus Purchase Program, SEPTA

Modify the PA TIP by increasing the program by \$23,857,000 (\$2,585,000 Section 5312/\$20,586 State 1514/\$686,000 Local) in FY16 for purchasing 25 all-electric buses and related equipment.

- ▶ \$2,585,000 Federal Section 5312 funds are additional funds to the region.



Rt. 206, Bridges over Stony Brook

Mercer County | Add Graduate SD/Proposed Project

- ▶ Amend the NJ TIP by adding a \$24,550,000 graduate Study and Development project :
 - Add \$2,500,000 STATE funded Final Design phase in FY16
 - Add \$22,050,000 STATE funded Construction phase in FY17
- ▶ Combined two separate Study and Development Projects
 - Route 206, Bridge over Stony Brook Flood Channel
 - Route 206, Bridge over Stony Brook, Emergency Repair



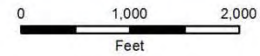
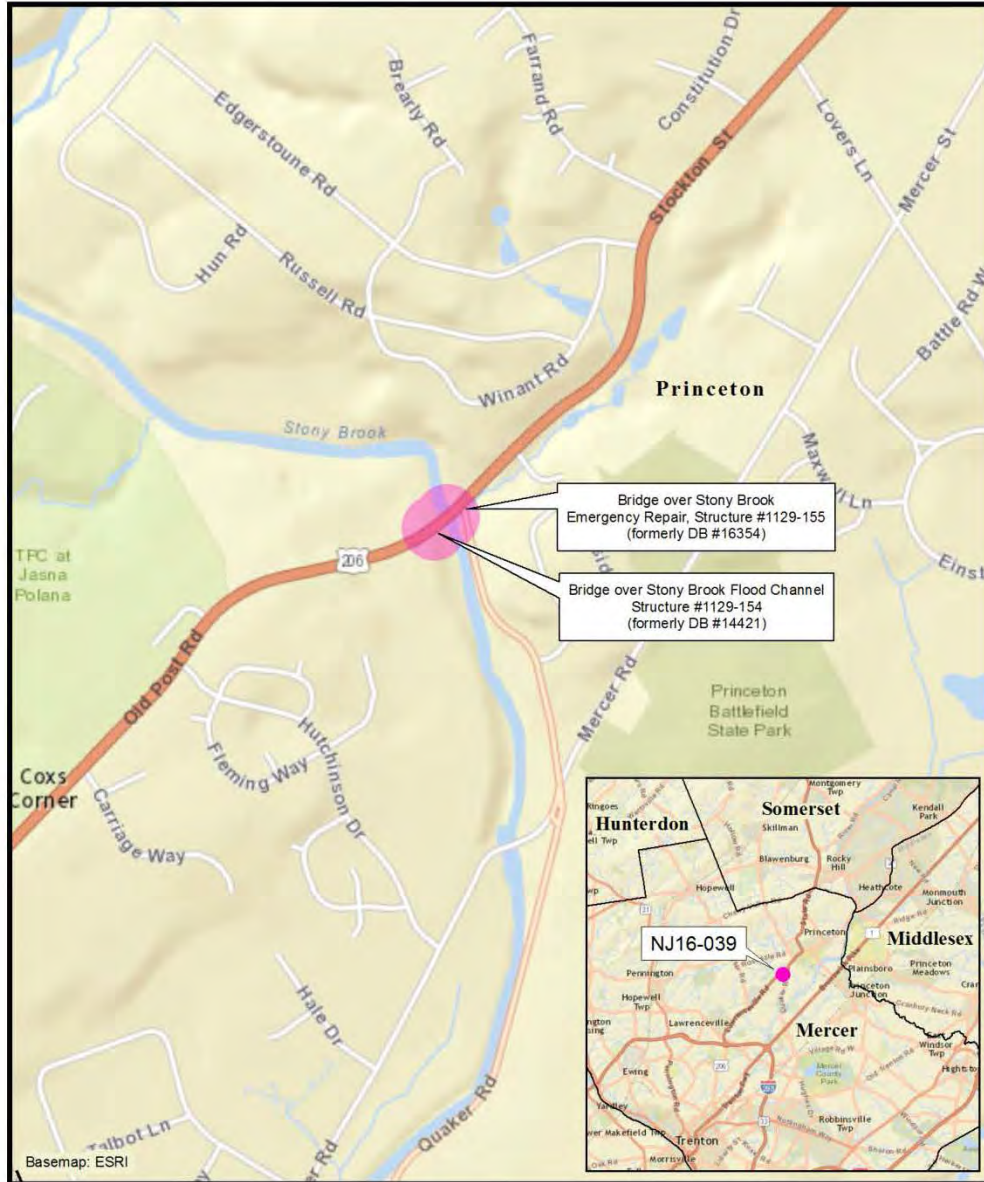
Rt. 206, Bridges over Stony Brook

Mercer County | Add Graduate SD/Proposed Project

- ▶ Route 206 over Stony Brook (Structure #1129-155)
 - Closed in February 2016 for emergency repairs
 - Oldest bridge in New Jersey, 224-years old
 - Rehabilitated to strengthen arches and reconstruct spandrel walls and parapets
- ▶ Route 206 over Stony Brook Flood Channel (Structure #1129-154)
 - Structure will be replaced
 - No roadway widening, minor re-profiling of the road, drainage improvements, minor utility work
 - Sufficiency rating downgraded from 49.7 in 2012 to 29.5 in 2014
 - Bridge deck in serious, intolerable condition, superstructure in poor condition, and signs of scour.



NJ16-039: Route 206, Bridges over Stony Brook



Proposed TIP Action | NJ

Amend the NJ TIP for the following project:

- ▶ Rt. 206, Bridges over Stony Brook, Mercer County
 - Add \$2,500,000 STATE funded Final Design phase in FY16
 - Add \$22,050,000 STATE funded Construction phase in FY17



River LINE Tier 4 Engine Retrofit Project

NJ TRANSIT | Add Proposed Project

- ▶ Amend the NJ TIP by adding new, multi-year, \$14,000,000 CMAQ funded River Line Tier 4 Engine Retrofit Project
 - \$7,500,000 CMAQ for Capital Acquisition phase in FY16
 - \$6,500,000 CMAQ for Capital Acquisition phase in FY17
- ▶ Retrofit of all 20 River LINE self-propelled diesel cars
 - Tier 1 diesel engines to Tier 4 engines
 - Expected to see significant emissions reduction
 - Lower cost alternative to vehicle replacement
 - New Tier 4 engines will meet current emission standards



Proposed TIP Action | NJ

Amend the NJ TIP for the following project:

- ▶ River LINE Tier 4 Engine Retrofit Project, NJ TRANSIT
- ▶ Amend the NJ TIP by adding new, multi-year, \$14,000,000 CMAQ funded River Line Tier 4 Engine Retrofit Project
 - \$7,500,000 CMAQ for Capital Acquisition phase in FY16
 - \$6,500,000 CMAQ for Capital Acquisition phase in FY17

Note:

- \$14,000,000 CMAQ funds will be flexed (transferred) from FHWA to FTA





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Thank You!

www.dvrpc.org/TIP