



TIP Actions

Transportation Improvement Program

New Jersey TIP (FY2018-2021)

Pennsylvania TIP (FY2017-2020)

September 2018



Traffic Signal and ATMS Replacement and Upgrade Project

Burlington County | Add New Proposed Project to the TIP

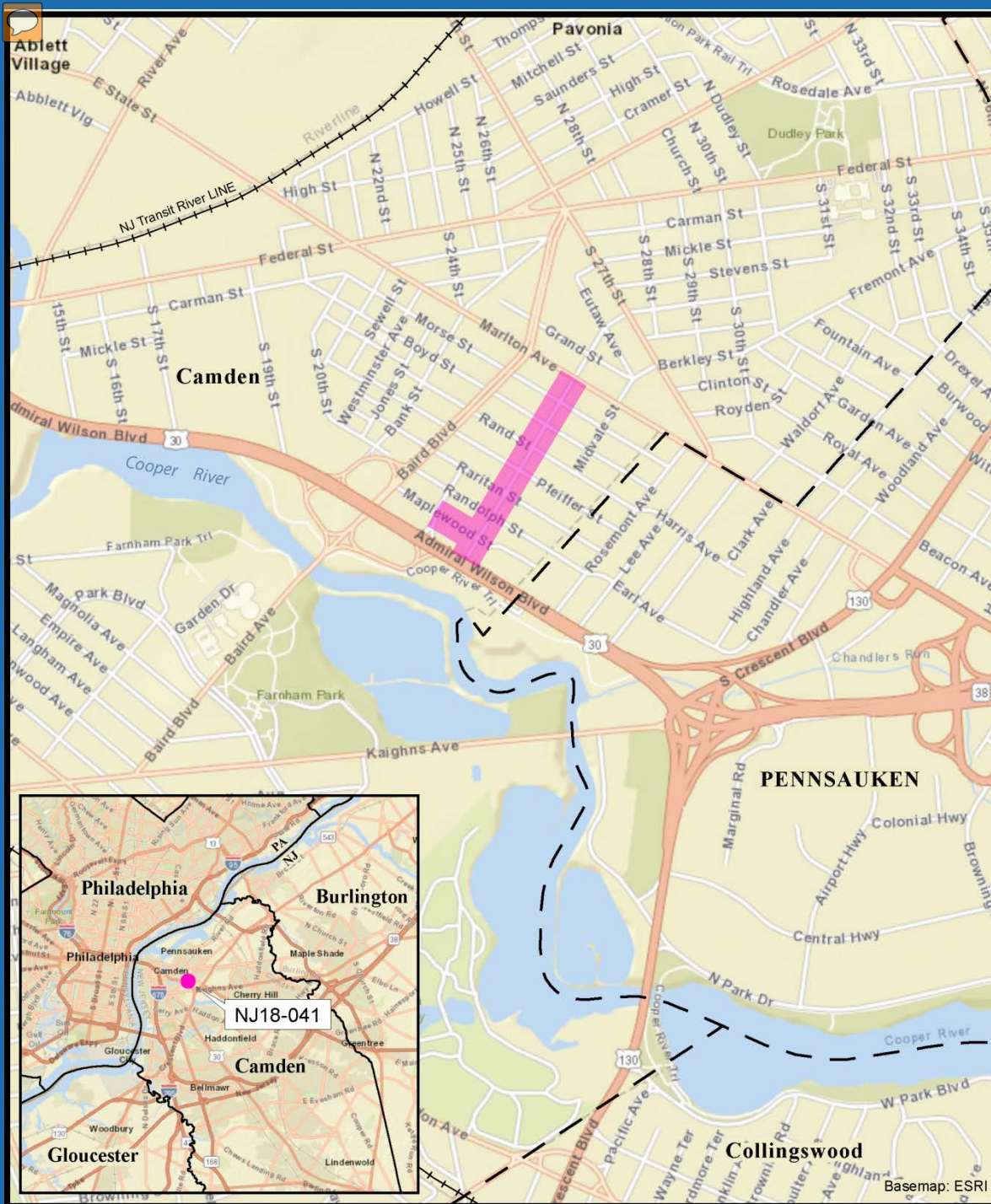
- ▶ **Action Type:** TIP Amendment
- ▶ **Action:** Add new proposed \$2,000,000 STBGP-STU funded project for FY19 CON
- ▶ **Process:**
 - Non-complex “quick obligation” project for FY19 authorization;
 - Approved by the DVRPC NJ TIP Subcommittee, including FHWA and NJDOT;
 - The region identified five (5) local “quick obligation” projects, totaling \$6.523 million STBGP-STU funds, including \$225,000 17-STATE-DVRPC funds for FY19.



Thorndyke St. (Route 30/Admiral Wilson Blvd. to Marlton Pike) and Maplewood St. (Thorndyke St. to Somerset St.) City of Camden | Add New Proposed Project to the TIP

- ▶ **Action Type:** TIP Amendment
- ▶ **Action:** Add new proposed \$1,111,000 STBGP-STU funded project for FY19 CON
- ▶ **Process:**
 - Non-complex “quick obligation” project for FY19 authorization;
 - Approved by the DVRPC NJ TIP Subcommittee, including FHWA and NJDOT;
 - The region identified five (5) local “quick obligation” projects, totaling \$6.523 million STBGP-STU funds, including \$225,000 17-STATE-DVRPC funds for FY19.





Work Includes:

- Replace existing pavement structure (surface & base);
- Concrete curbs & sidewalks;
- Catch basins & pipe connections;
- Curb ramps; and
- Striping.

CR 720 (Blue Anchor Road), Route 73 to CR 536 (Cedarbrook/New Brooklyn Road) Camden County | Add New Proposed Project to the TIP

- ▶ **Action Type:** TIP Amendment
- ▶ **Action:** Add new proposed \$1,712,000 STBGP-STU funded project for FY19 CON
- ▶ **Process:**
 - Non-complex “quick obligation” project for FY19 authorization;
 - Approved by the DVRPC NJ TIP Subcommittee, including FHWA and NJDOT;
 - The region identified five (5) local “quick obligation” projects, totaling \$6.523 million STBGP-STU funds, including \$225,000 17-STATE-DVRPC funds for FY19.





Basemap: ESRI

Work Includes: Concrete base repair; milling; bituminous asphalt overlay; ADA ramps; grading for proper drainage; upgrades to stormwater inlets and pipes.

Gloucester County First-Generation Traffic Signal Camera Upgrades

Gloucester County | Add New Proposed Project to the TIP

- ▶ **Action Type:** TIP Amendment
- ▶ **Action:** Add new proposed \$1,700,000 STBGP-STU funded project for FY19 CON
- ▶ **Process:**
 - Non-complex “quick obligation” project for FY19 authorization;
 - Approved by the DVRPC NJ TIP Subcommittee, including FHWA and NJDOT;
 - The region identified five (5) local “quick obligation” projects, totaling \$6.523 million STBGP-STU funds, including \$225,000 17-STATE-DVRPC funds for FY19.



Mercer County's Electronic Traffic Control Devices Inventory

Mercer County | Add New Proposed Project to the TIP

- ▶ **Action Type:** TIP Amendment
- ▶ **Action:** Add new proposed \$225,000 17-STATE-DVRPC funded project for a FY19 Planning Study (PLS) phase
- ▶ **Process:**
 - Non-complex “quick obligation” project for FY19 authorization;
 - Approved by the DVRPC NJ TIP Subcommittee, including FHWA and NJDOT;
 - The region identified five (5) local “quick obligation” projects, totaling \$6.523 million STBGP-STU funds, including \$225,000 17-STATE-DVRPC funds for FY19.



TIP Action | Proposed – NJ

Amend the NJ TIP for the Following Projects:

▶ **Traffic Signal and ATMS Replacement and Upgrade Project, Burlington County**
Amend the TIP by adding a new \$2,000,000 STBGP-STU funded project for FY19 CON.

▶ **Thorndyke Street (Route 30/Admiral Wilson Boulevard to Marlton Pike) and Maplewood Street (Thorndyke Street to Somerset Street), City of Camden**
Amend the TIP by adding a new \$1,111,000 STBGP-STU funded project for FY19 CON.

▶ **CR 720 (Blue Anchor Road), Route 73 to CR 536 (Cedarbrook/New Brooklyn Road), Mercer County**
Amend the TIP by adding a new \$1,712,000 STBGP-STU funded project for FY19 CON.

▶ **Gloucester County First-Generation Traffic Signal Camera Upgrades**
Amend the TIP by adding a new \$1,700,000 STBGP-STU funded project for FY19 CON.

▶ **Mercer County Electronic Traffic Control Devices Inventory**
Amend the TIP by adding a new \$225,000 17-STATE-DVRPC funded project for FY19 Planning Study (PLS) phase.



Bucks County Act 13 Bridges

Bucks County | Add New Proposed Projects to the TIP

▶ Action Type: TIP Amendment

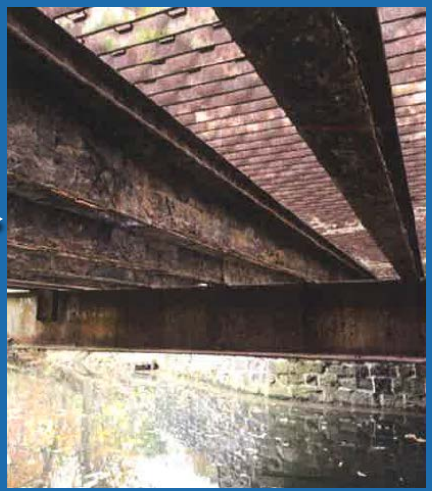
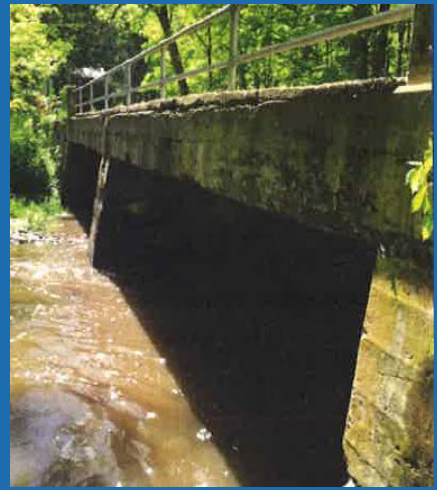
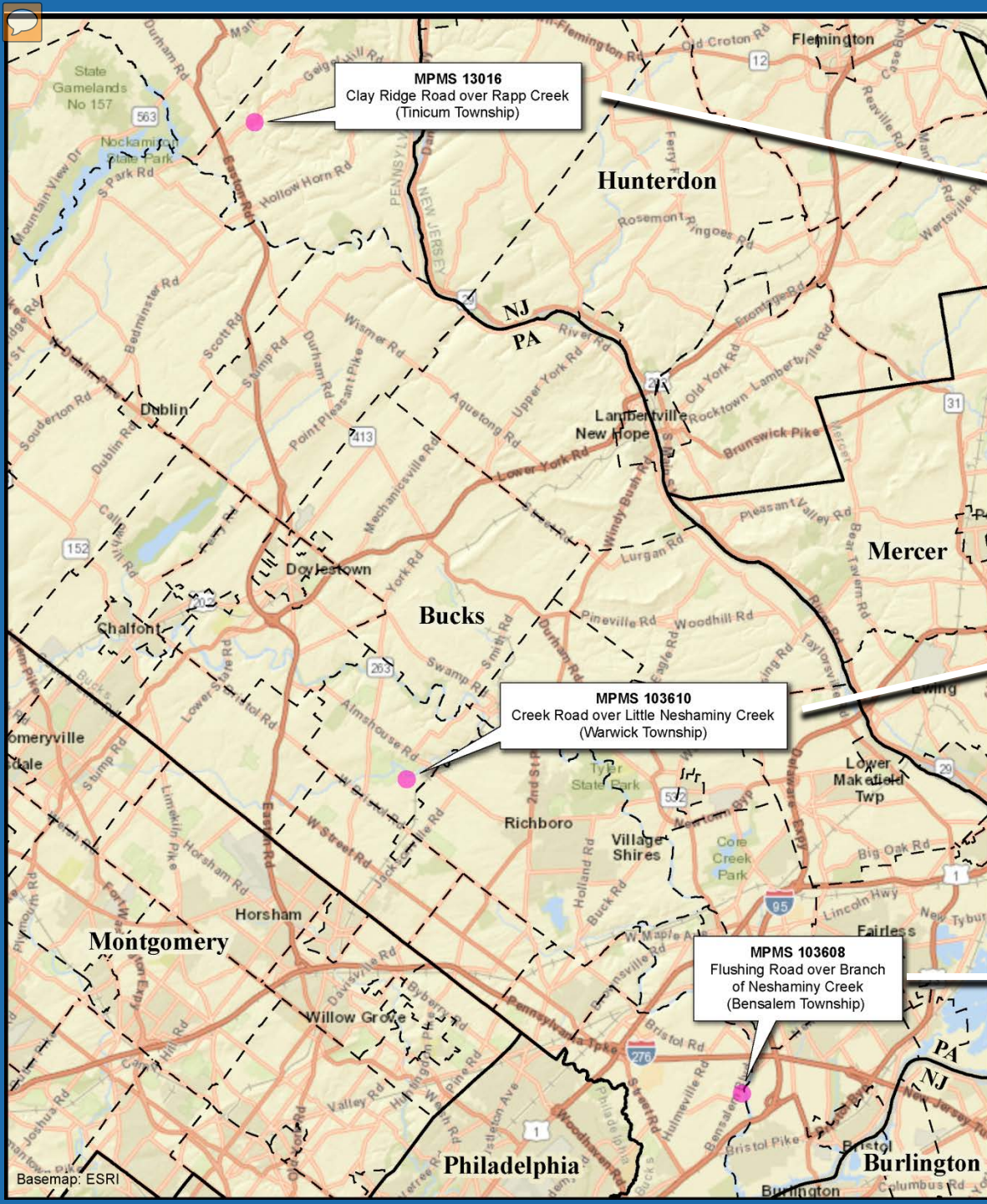
▶ Action: Add 3 new local bridge projects to the TIP for a total of \$4,685,000 Act-13

- Clay Ridge Road over Rapp Creek – \$200,000 PE (FY19); \$140,000 FD (FY19); \$20,000 ROW (FY19); \$10,000 UTL (FY19); and \$1,570,000 CON (FY20);
- Creek Road over Little Neshaminy Creek – \$100,000 PE (FY18); \$75,000 FD (FY19); \$20,000 ROW (FY19); \$20,000 UTL (FY19); and \$1,560,000 CON (FY19);
- Flushing Road over Branch of Neshaminy Creek – \$60,000 PE (FY18); \$60,000 FD (FY19); \$10,000 ROW (FY19); \$10,000 UTL (FY19); and \$830,000 CON (FY19).

▶ Reason:

- Additional funds made available to the region to address Structurally Deficient Bridges.





TIP Action | Proposed – PA

Amend the PA TIP for the Following Project:

That the RTC Recommend that the Board approve amending the TIP by:

- ▶ Adding 3 new local bridge projects for a total of \$4,685,000 Act-13
 - Clay Ridge Road over Rapp Creek – \$200,000 PE (FY19); \$140,000 FD (FY19); \$20,000 ROW (FY19); \$10,000 UTL (FY19); and \$1,570,000 CON (FY20);
 - Creek Road over Little Neshaminy Creek – \$100,000 PE (FY18); \$75,000 FD (FY19); \$20,000 ROW (FY19); \$20,000 UTL (FY19); and \$1,560,000 CON (FY19);
 - Flushing Road over Branch of Neshaminy Creek – \$60,000 PE (FY18); \$60,000 FD (FY19); \$10,000 ROW (FY19); \$10,000 UTL (FY19); and \$830,000 CON (FY19)





Transportation
Improvement
Program

TIP

Thank You!

www.dvrpc.org/TIP



SolSmart National Recognition Program Funding for Organizational SolSmart Advisor

Presented to DVRPC's Board of Commissioners

Adam Beam

September 11, 2018



SolSmart

SolSmart: a national recognition and a no-cost technical assistance program for local governments designed to drive greater solar deployment and help make it possible for even more American homes and businesses to access affordable and renewable solar energy to meet their electricity needs.

SolSmart funding will support DVRPC staff to provide this free technical assistance to seven municipalities and two counties in the region towards achieving designation.

Funding Amount: \$50,055 (D.O.E. SunShot-funded program managed by The Solar Foundation).

Timeframe: November 1, 2018 – July 2019



SolSmart Advisor

- Communities committed to achieve designation:
 - **New Jersey:**
 - Camden County, Bordentown City, Haddonfield Borough, West Windsor Township
 - **Pennsylvania:**
 - Montgomery County, Doylestown Borough, Kennett Square Borough, Lansdowne Borough, Millbourne Borough
- **Technical assistance from DVRPC will include**
 - Review and recommendation of improvements to zoning codes, planning documents, and permitting processes to be more supportive of solar photovoltaic.
 - Coordinating training or engagement opportunities on Inspection, Fire Safety, Construction Codes, Solar Rights, Utility Engagement, Community Engagement, and Market Development and Finance.
 - Documentation and support towards designation.

Requested Action

The RTC recommends that the Board approve this work program amendment to receive **\$50,055** of funding from the U. S. DOE through The Solar Foundation to provide technical assistance to communities to achieve designation under SolSmart and to be more supportive of solar photovoltaic.

Chris Linn
Regional Technical Committee
September 11, 2018

FY2019 Work Program Amendment: Community Forestry Management Plans for Camden, Trenton and Gloucester City

Description

- Project will create Community Forestry Management plans for the cities of Trenton, Camden and Gloucester City using a participatory process informed by the US Forest Service's updated Sustainable Urban Forest guidelines.
- DVRPC's portion of the project will come via an **\$85,500** grant from the US Forest Service passed through the NJDEP Urban and Community Forestry Program
- DVRPC will furnish **\$26,000** in local match.

Action Proposed

That the Regional Technical Committee (RTC) recommends that the Board approve this FY2019 Work Program Amendment and authorize the Executive Director to enter into a contract with NJDEP for this project.

Thank You!



Questions?
Contact: Chris Linn

2045 REGIONAL AIRPORT SYSTEM PLAN

PHASE I: DATA COLLECTION INITIATIVE



**REGIONAL
TECHNICAL
COMMITTEE**

SEPT. 11, 2018



Regional Airport System



	Commercial Airport		General Aviation Airport
	Reliever Airport		Military Airport
			Heliport

EXISTING PROJECT: REGIONAL AVIATION SYSTEM PLANNING (19-34-080)

PRODUCTS

1. Airport Operations Counting Report for Selected NPIAS Non-Towered Facilities (*Chester County, Wings, Spitfire, Summit*).
2. Policy Input to PennDOT/NJDOT and Member Governments Regarding Airport Development, Plans, and Studies, and Regulation and Licensing.
3. Updates to the 2040 RASP Contents and Continued Systems Planning.

Funded by a \$110,000 FAA Grant

WHAT IS THE RASP?

- Funded by an additional \$207,000 FAA grant.
- Guides development of aviation facilities in the region to ensure air mobility and economic development.
- First RASP was written in 1980-1982 for Year 2000. Most recent RASP was for Year 2040.
- Incorporates input from the DVRPC Regional Aviation Committee.



TASKS

1. Using DVRPC's extensive GIS mapping and data resources and capabilities, review and evaluate all data sets directly and indirectly pertaining to airports in the DVRPC aviation planning region.
2. Prioritize existing data for aviation planning purposes and adapt disparate sources of data.
3. Refine data sources for regional and sub-regional applications.
4. Establish, pool, and standardize a portfolio of core airport data that supports planning, programming, and project prioritization.
5. Develop population, economic, aviation, and airport trends and projections.
6. Improve and update DVRPC's airport visualization tools.
7. Identify tasks for Phase II of the 2045 Regional Airport System Plan Update.

PROPOSED ACTION

- That the DVRPC Regional Technical Committee recommends Board approval of the FAA grant award to conduct the 2045 Regional Airport System Plan Data Collection Initiative.

TRANSPORTATION PERFORMANCE MANAGEMENT: INFRASTRUCTURE AND SYSTEM PERFORMANCE TARGETS

**RTC
10.09.2018**

MAP-21/FAST ACT PERFORMANCE MEASURES

- **Safety (PM1)** (Number & Rate of Fatalities; Number & Rate of Serious Injuries; Number of Non-Motorized Fatalities and Serious Injuries)
- **Infrastructure (PM2)**
 - **Pavement Condition** (% of Interstate and Non-Interstate NHS Pavement in Good Condition; in Poor Condition)
 - **Bridge Condition** (% of NHS Bridges Classified as Good; Classified as Poor)
- **System Performance (PM3)**
 - **NHS** (% of Person-Miles Traveled on the Interstate/Non-Interstate System that are Reliable)
 - **Freight** (Truck Travel Time Reliability Index)
 - **CMAQ**
 - **Emissions**
 - **Congestion**
 - Percentage Non-SOV Travel
 - Annual Peak Hour Excessive Delay per Capita
- **Transit**
 - **Assets** (% of Revenue/Non-Revenue Vehicles that Have Met or Exceeded Useful Life Benchmark; % of Assets with Condition Rating Below 3.0 on TERM)
 - **Safety** (# and Rate of Reportable Fatalities, Injuries, and Safety Events per Total Veh. Rev. Miles; Mean Distance Between Major Mechanical Failures)

MAP-21/FAST ACT PERFORMANCE MEASURES

MAP-21/FAST Act Performance Measures

- **Safety (PM1)** (Number & Rate of Fatalities; Number & Rate of Serious Injuries; Number of Non-Motorized Fatalities and Serious Injuries)
- **Infrastructure (PM2)**
 - **Pavement Condition** (% of Interstate and Non-Interstate NHS Pavement in Good Condition; in Poor Condition)
 - **Bridge Condition** (% of NHS Bridges Classified as Good; Classified as Poor)
- **System Performance (PM3)**
 - **NHS** (% of Person-Miles Traveled on the Interstate/Non-Interstate System that are Reliable)
 - **Freight** (Truck Travel Time Reliability Index)
 - **CMAQ**
 - Emissions
 - **Congestion**
 - Percentage Non-SOV Travel
 - Annual Peak Hour Excessive Delay per Capita
- **Transit**
 - **Assets** (% of Revenue/Non-Revenue Vehicles that Have Met or Exceeded Useful Life Benchmark; % of Assets with Condition Rating Below 3.0 on TERM)
 - **Safety** (# and Rate of Reportable Fatalities, Injuries, and Safety Events per Total Veh. Rev. Miles; Mean Distance Between Major Mechanical Failures)

WHAT WE NEED TO DO

TPM Requirements for States & MPOs

- Set Targets & Report on Progress
- Incorporate Measures into the Planning Process
- Develop Agreements

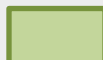
IMPLEMENTATION TIMELINE


Final Rule	Effective Date	States Set Targets By	MPOs Set Targets By	Inclusion in MPO and State DOT LRTP & TIP/STIP	Agreements
Safety PM 1	April 14, 2016	Aug. 31, 2017	Up to 180 days after the State sets targets, but not later than Feb. 27, 2018	Updates or amendments on or after May 27, 2018	May 27, 2018
Infrastructure PM 2	May 20, 2017	May 20, 2018	No later than 180 days after the State(s) sets targets	Updates or amendments on or after May 20, 2019	May 20, 2019
System Performance PM 3	May 20, 2017	May 20, 2018	No later than 180 days after the State(s) sets targets	Updates or amendments on or after May 20, 2019	May 20, 2019

PAVEMENT INFRASTRUCTURE TARGETS

Measure	Baseline	2-Year Target	4-Year Target
PA % Interstate Pavement Lane Miles in Good Condition	67.2%	n/a	60.0%
PA % Interstate Pavement Lane Miles in Poor Condition	0.4%	n/a	2.0%
NJ % Interstate Pavement Lane Miles in Good Condition	61.25%	n/a	50%
NJ % Interstate Pavement Lane Miles in Poor Condition	1.01%	n/a	2.5%


Measure	Baseline	2-Year Target	4-Year Target
PA % Non-Interstate NHS Pavement Lane Miles in Good Condition	36.8%	35.0%	33.0%
PA % Non-Interstate NHS Pavement Lane Miles in Poor Condition	2.3%	4.0%	5.0%
NJ % Non-Interstate NHS Pavement Lane Miles in Good Condition	32.45%	25%	25%
NJ % Non-Interstate NHS Pavement Lane Miles in Poor Condition	2.38%	2.5%	2.5%


 Pennsylvania

 New Jersey

BRIDGE INFRASTRUCTURE TARGETS

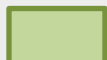
Measure	Baseline	2-Year Target	4-Year Target
PA % NHS Bridge Deck Area in Good Condition	25.6%	25.8%	26.0%
PA % NHS Bridge Deck Area in Poor Condition	5.5%	5.6%	6.0%
NJ % NHS Bridge Deck Area in Good Condition	20.7%	19.4%	18.6%
NJ % NHS Bridge Deck Area in Poor Condition	6.5%	6.5%	6.5%


 Pennsylvania

 New Jersey

NHS SYSTEM PERFORMANCE TARGETS


Measure	Baseline	2-Year Target	4-Year Target
PA % Person Miles Traveled on Interstate with Reliable Travel Times	89.8%	89.8%	89.8%
PA % Person Miles Traveled on Non-Interstate NHS with Reliable Travel Times	87.4%	n/a	87.4%
NJ % Person Miles Traveled on Interstate with Reliable Travel Times	82.0%	82.0%	82.0%
NJ % Person Miles Traveled on Non-Interstate NHS with Reliable Travel Times	84.1%	n/a	84.1%


 Pennsylvania

 New Jersey

FREIGHT SYSTEM PERFORMANCE TARGETS

Measure	Baseline	2-Year Target	4-Year Target
PA Truck Travel Time Reliability	1.34	1.34	1.34
NJ Truck Travel Time Reliability	1.81	1.9	1.95

 Pennsylvania

 New Jersey

PROPOSED ACTION

- Recommend that the DVRPC Board agree to be consistent with the PennDOT and NJDOT statewide Pavement Infrastructure, Bridge Infrastructure, NHS System Performance, and Freight System Performance targets and to support the state DOTs' efforts at achieving those targets.

Sean Greene
Regional Technical
Committee
September 11, 2018

CMAQ Emissions Targets and Performance Report



Background

What is CMAAQ?

- Federal program to fund projects that reduce congestion and improve air quality

MAP 21 required US DOT to establish Transportation Performance Measures for CMAAQ program

- Known as PM3 regulation
 - Subpart G – Congestion Measures (PHED, Non-SOV)
 - Subpart H – On-Road Mobile Source Emissions

Today's Presentation

Subpart H Targets and Performance Report

- 2- and 4-Year Targets for emissions benefits from CMAQ funded projects
- CMAQ Congestion and Emissions Performance Report

Requested Action

Emissions Benefits Background

CMAQ Program Eligibility

- Projects must show emissions reductions
- DOTs report emissions benefits for authorized projects in annual report to FHWA
- Data is stored in FHWA CMAQ Public Access System

Subpart H Requirements

Targets

- DOTs must set statewide 2- and 4-Year Targets for emissions reductions from CMAQ funded projects
- MPOs (>1M pop and in NAA) must either develop targets or adopt state targets for MPO area
- DVRPC is adopting state developed targets

How were the targets established?

Targets (in each state)

- Discussion and Collaboration
- Baseline benefits from FHWA database 2014-2017
 - Average annual benefits in Kg/day
- Discounted targets based on expected changes
 - Buy America waiver impacts on diesel projects
 - Cleaner fleets in the future and diminishing returns (declining running emissions rates, could be up to 30% between 2017-2021)
 - Large one-time projects not likely to be repeated

Results

DVRPC Targets (Pennsylvania)

Pollutant	Emissions Reduction (Kg/day)	
	2018-2019 2-year Target	2020-2021 4-year Target
VOC Emissions	37.61	69.31
NO _x Emissions	23.42	42.50
PM _{2.5} Emissions	1.08	2.06
CO Emissions	282.74	565.47

Source: PennDOT 2018

Results

DVRPC Targets (New Jersey)

Pollutant	Emissions Reduction (Kg/day)	
	2018-2019 2-year Target	2020-2021 4-year Target
VOC Emissions	1.45	2.864
NO _x Emissions	7.453	14.861
PM _{2.5} Emissions	2.627	5.253
CO Emissions	N/A	N/A

Source: NJ DOT 2018

Performance Report

Applicability and Requirements

- MPOs serving >1M people and within an NAA
- All measures
 - Congestion measures for UZA (Philadelphia and NYC)
 - Mobile Source Emissions for MPO area
- Emissions measures
 - Baseline (2014-2017)
 - Targets (2018-19 & 2018-2021)
 - Identify projects that support 2- and 4-year targets
 - Narrative description of programmed projects and benefits

Action Proposed

That the Regional Technical Committee (RTC) recommends that the Board adopts the Subpart H mobile source emissions performance targets established by PennDOT and NJDOT in May 2018, and approves the CMAQ Performance Report for 2018-2021.

Thank You!



Questions?

Contact: Sean Greene

sgreene@dvrpc.org

→ Regional Trails Program: Phase VI NJ Grant Award

Regional Technical Committee Meeting, Sept. 11, 2018



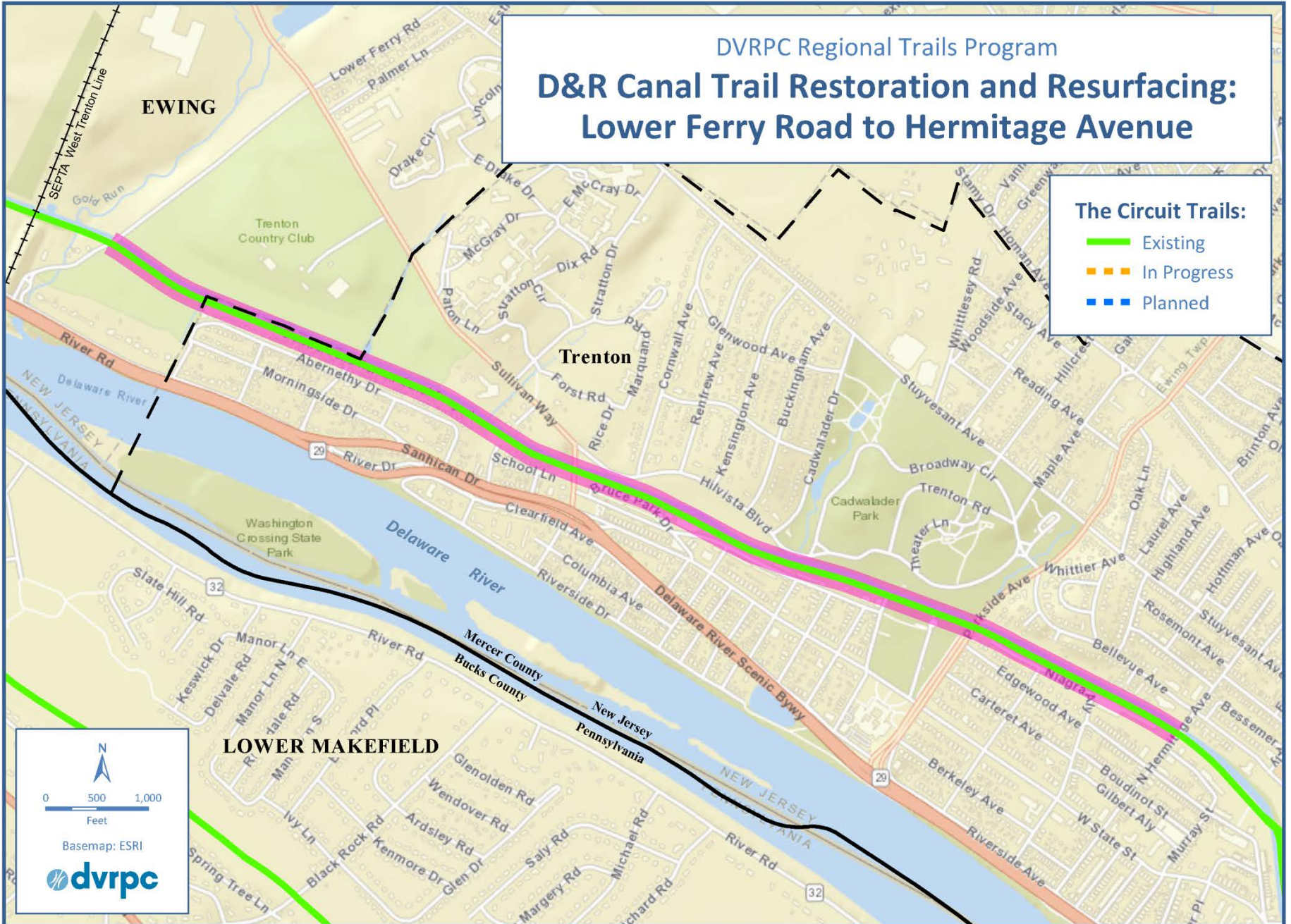
Proposed Grant Award

1. **D&R Canal Trail Restoration and Resurfacing (construction), New Jersey Department of Environmental Protection Division of Parks and Forestry – \$300k**

DVRPC Regional Trails Program
**D&R Canal Trail Restoration and Resurfacing:
Lower Ferry Road to Hermitage Avenue**

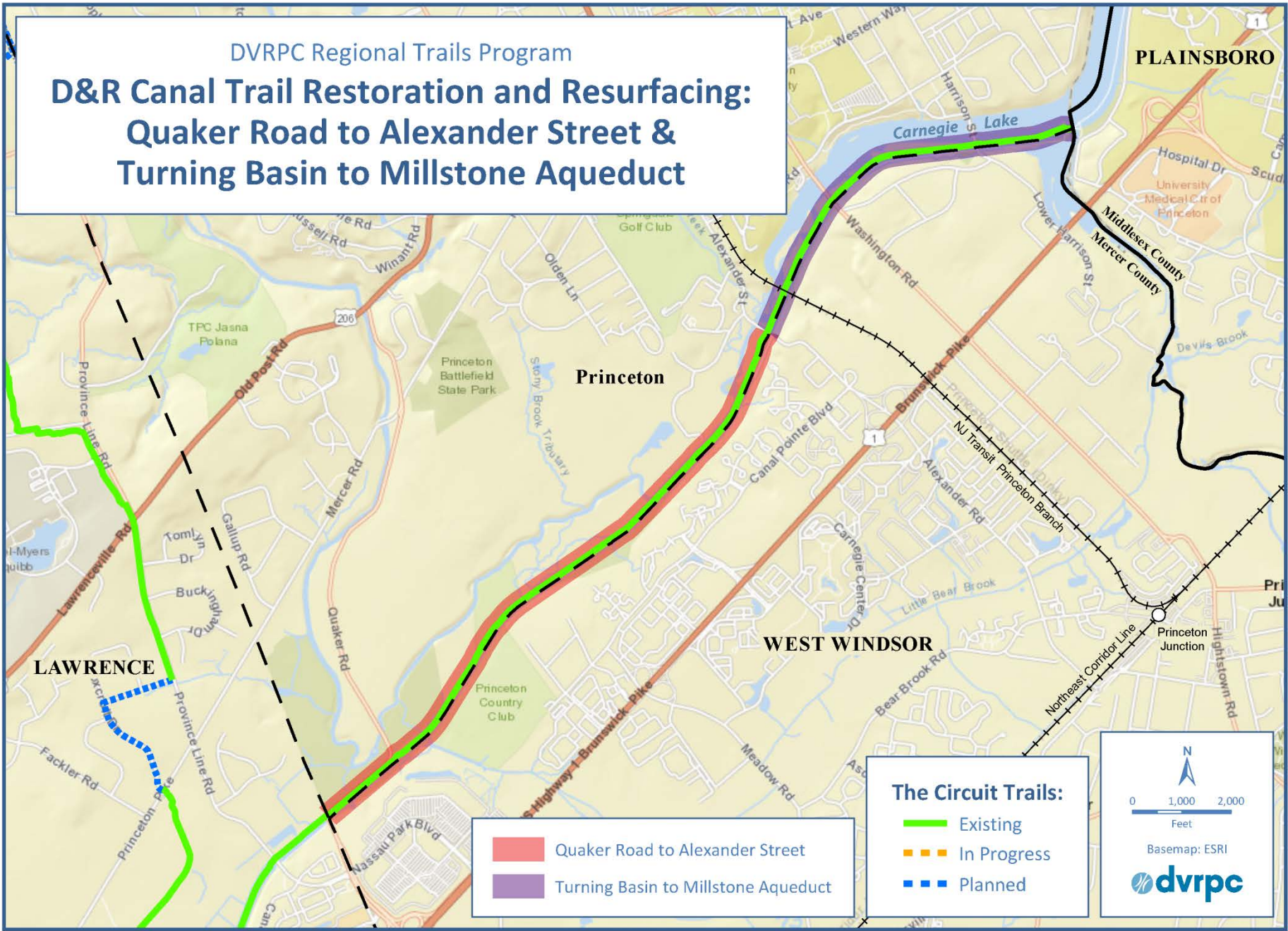
The Circuit Trails:

- Existing
- In Progress
- Planned







DVRPC Regional Trails Program

D&R Canal Trail Restoration and Resurfacing: Quaker Road to Alexander Street & Turning Basin to Millstone Aqueduct



 Quaker Road to Alexander Street
 Turning Basin to Millstone Aqueduct

The Circuit Trails:
 Existing
 In Progress
 Planned

0 1,000 2,000
Feet
Basemap: ESRI


DVRPC Regional Trails Program
New Jersey Phase VI Grant Awards

**THE
CIRCUIT
TRAILS**

Phase VI
Project Location

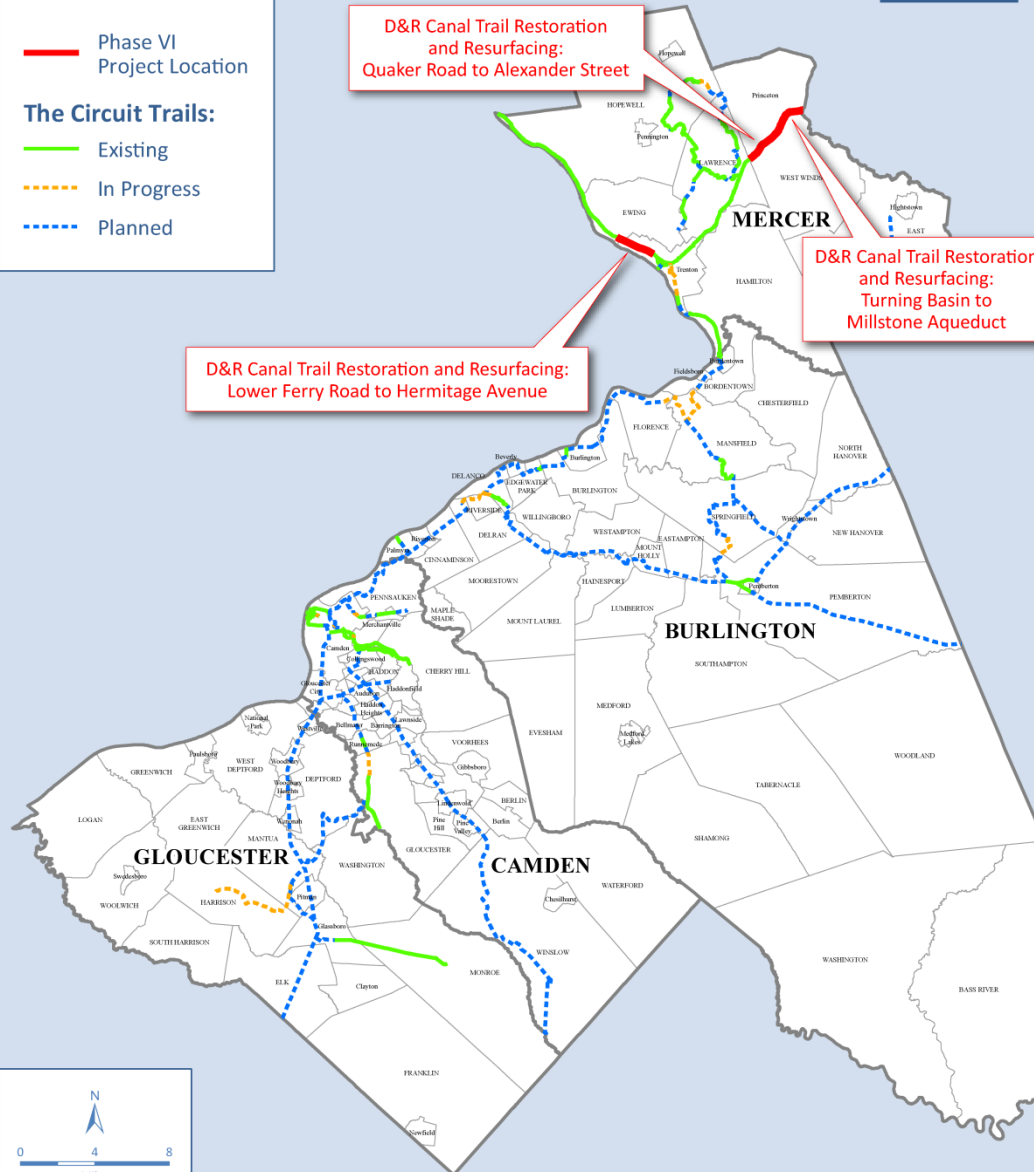
The Circuit Trails:

- Existing
- In Progress
- Planned

D&R Canal Trail Restoration and Resurfacing:
Quaker Road to Alexander Street

D&R Canal Trail Restoration and Resurfacing:
Turning Basin to Millstone Aqueduct

D&R Canal Trail Restoration and Resurfacing:
Lower Ferry Road to Hermitage Avenue



Action Proposed

That the Regional Technical Committee recommend approval of this Regional Trails Program Grant award for \$300,000 to the Board.



September 11, 2018

PRESENTED TO:
RTC

PRESENTED BY:
Sarah Moran, AICP
Jesse Buerk



BICYCLE LTS

& CONNECTIVITY ANALYSIS






Project Overview



Project Partner: Southeastern Pennsylvania
Suburban Bike Lanes Working Group



Goal: Identify which road segments would have meaningful impacts on low-stress bicycle connectivity and would be worth investing in design

Deliverable: Maps as resource for developing bike plans and identifying priorities for capital improvements



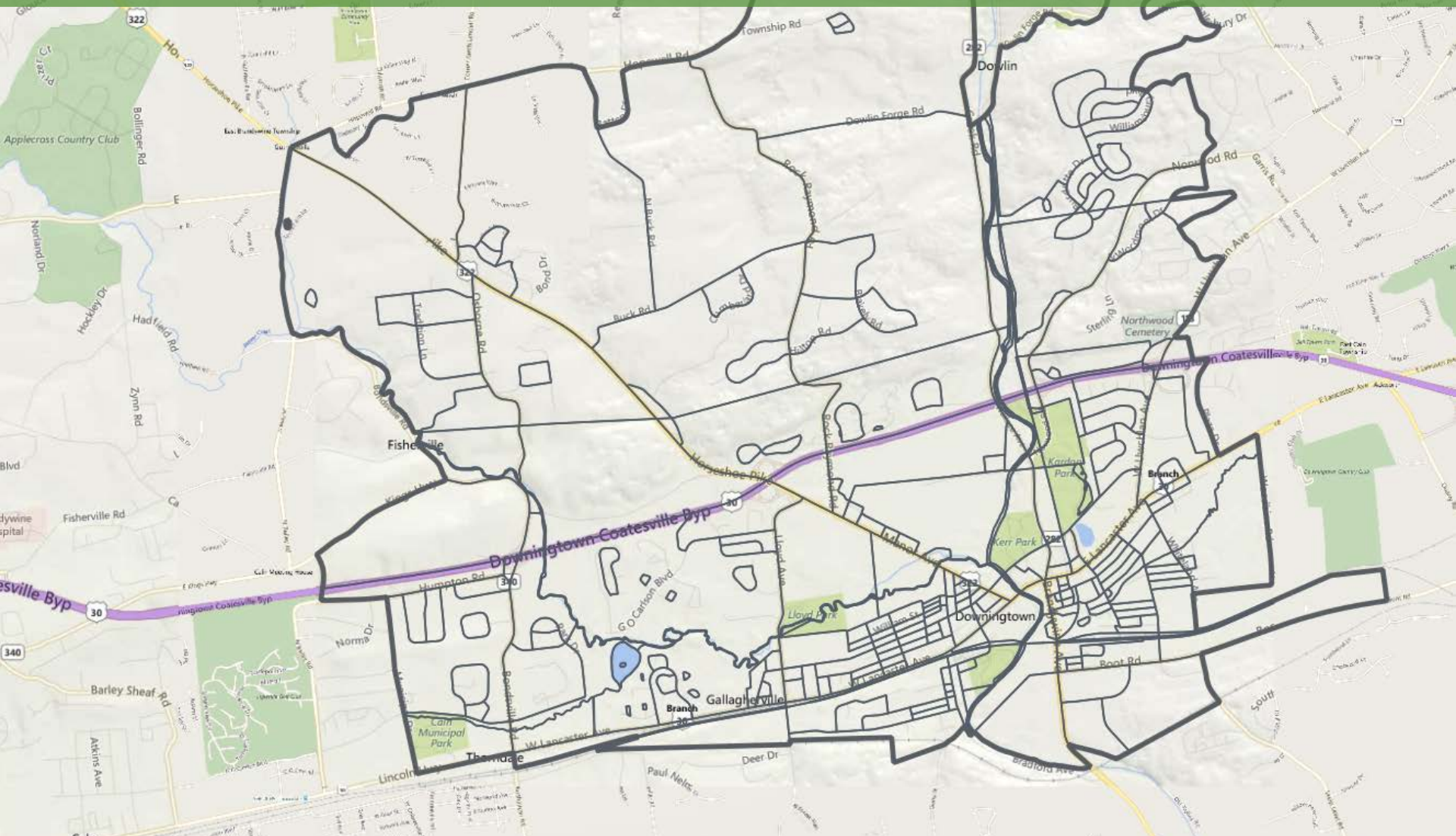
Level of Traffic Stress (LTS)

LTS	Comfortable Enough For (Cyclist Type)	Characteristics
1	Most People	Lowest stress Comfortable for most ages and abilities
2	Interested, but Concerned	Suitable for most adults Presenting little traffic stress
3	Enthusied and Confident	Moderate traffic stress Comfortable for those already biking in American cities
4	Strong and Fearless	High traffic stress Multilane, fast moving traffic



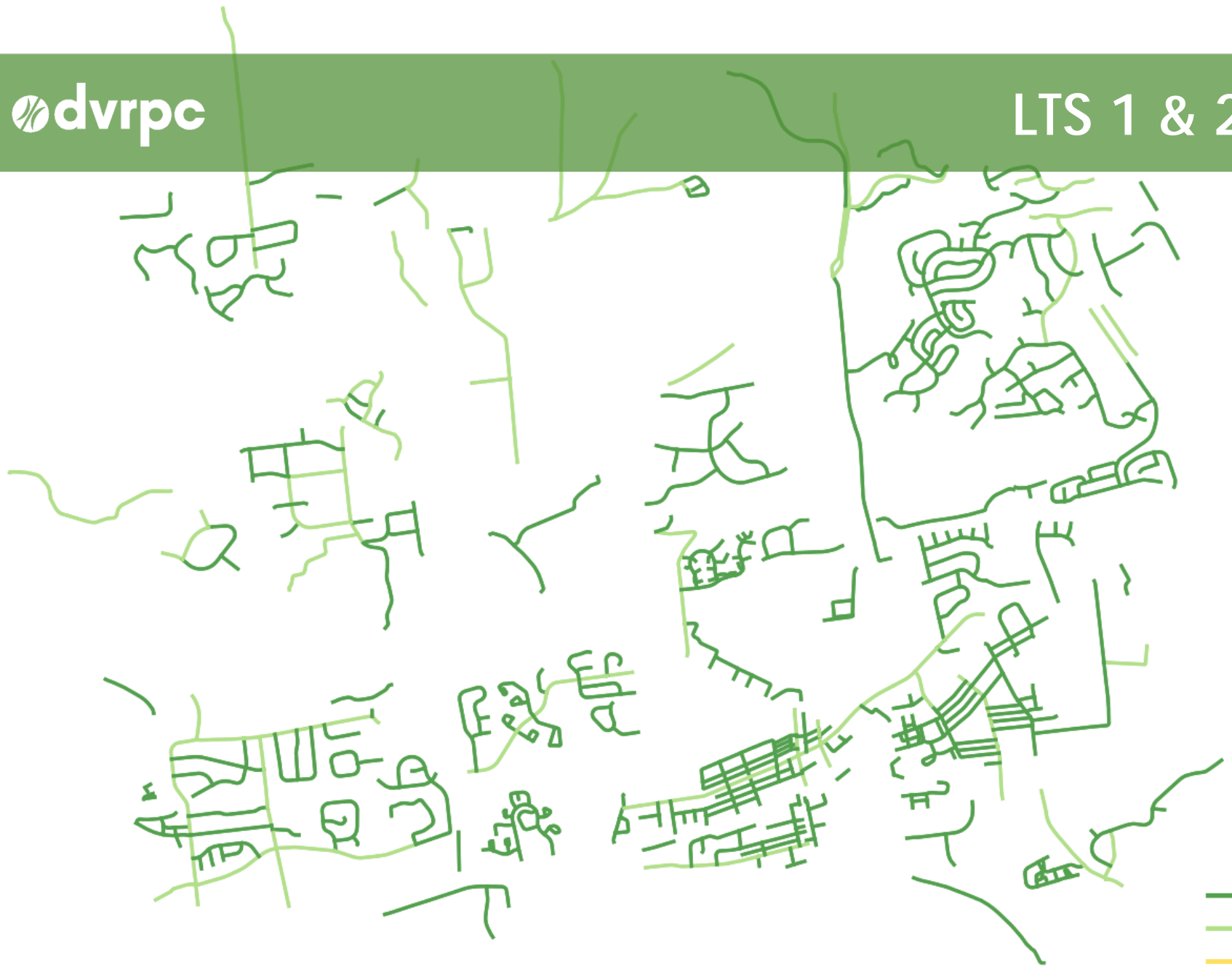


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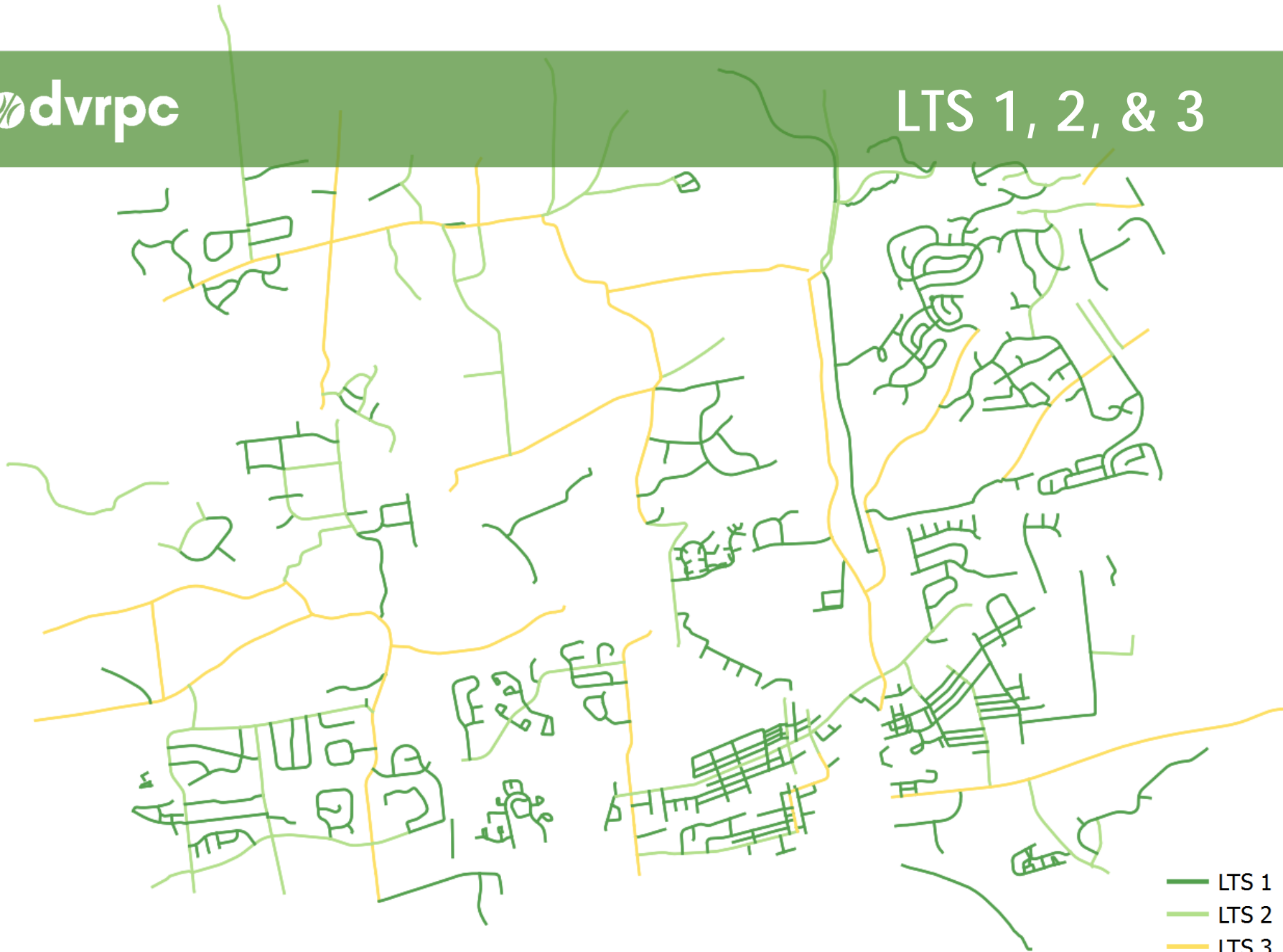




- LTS 1
- LTS 2
- LTS 3
- LTS 4



- LTS 1
- LTS 2
- LTS 3
- LTS 4



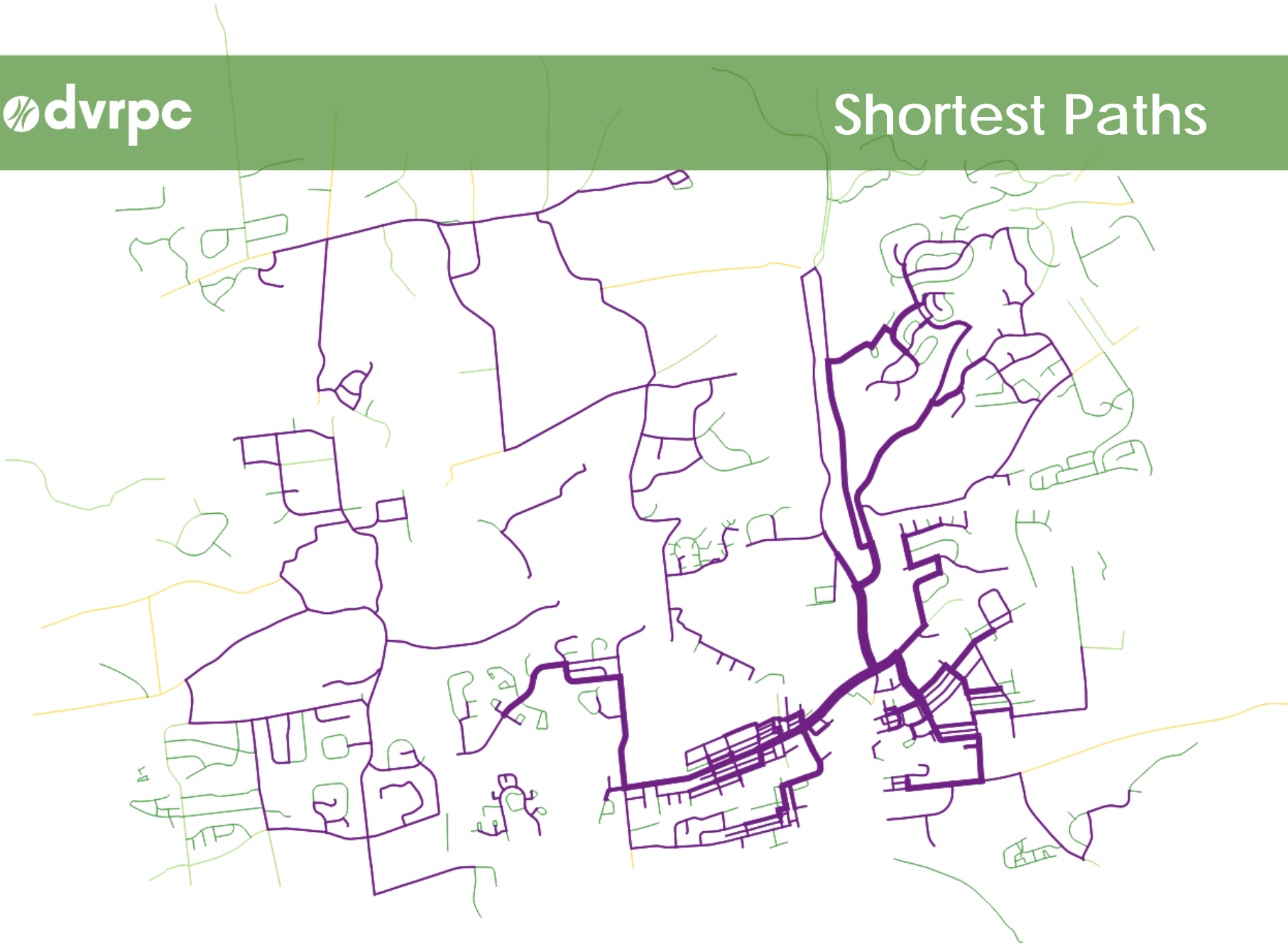
- LTS 1
- LTS 2
- LTS 3
- LTS 4

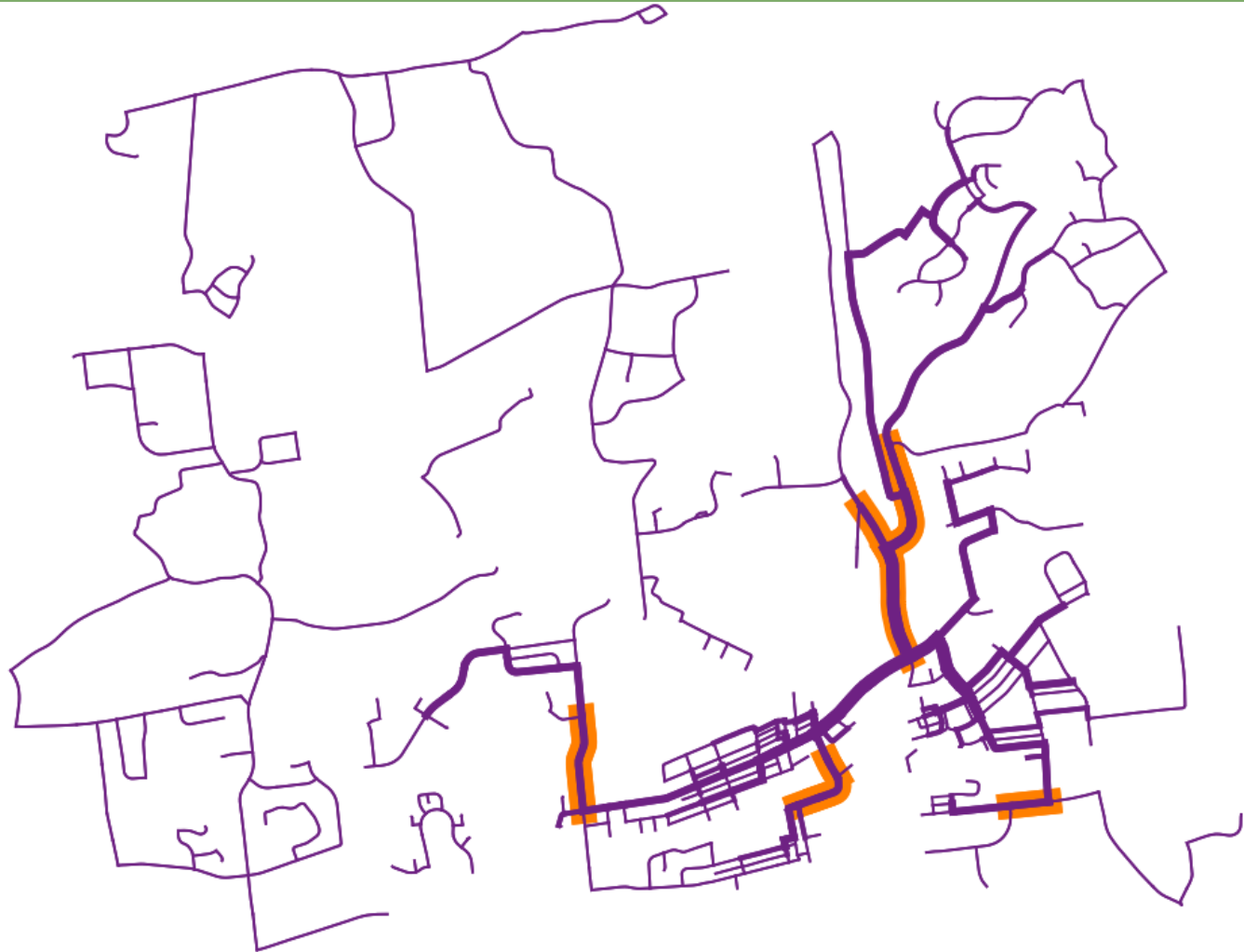
Link LTS



# Lanes	Speed (MPH)	None	Bike Route	Sharrows	Bike Lane	Buffered Bike Lane	Protected Bike Lane
2 (res)	≤ 25	LTS 1					
2 (res)	30	LTS 2					
2-3	≤ 25	LTS 3					
4-5	≤ 25	LTS 3					
2-3	30	LTS 3					
6+	≤ 25	LTS 4					
4-5	30	LTS 4					
6+	30	LTS 4					
2-3	≥ 35	LTS 4					
4-5	≥ 35	LTS 4					
6+	≥ 35	LTS 4					

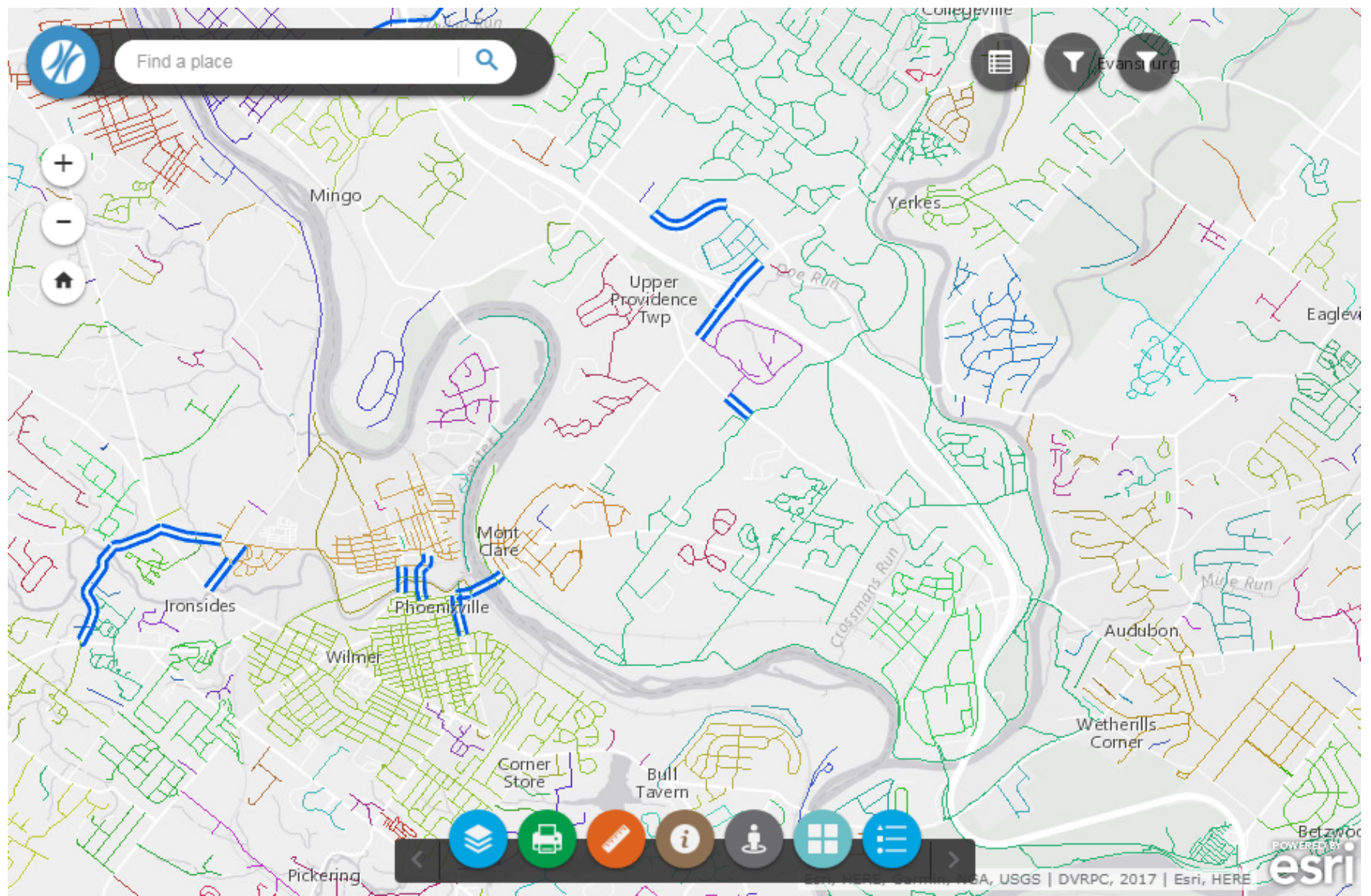


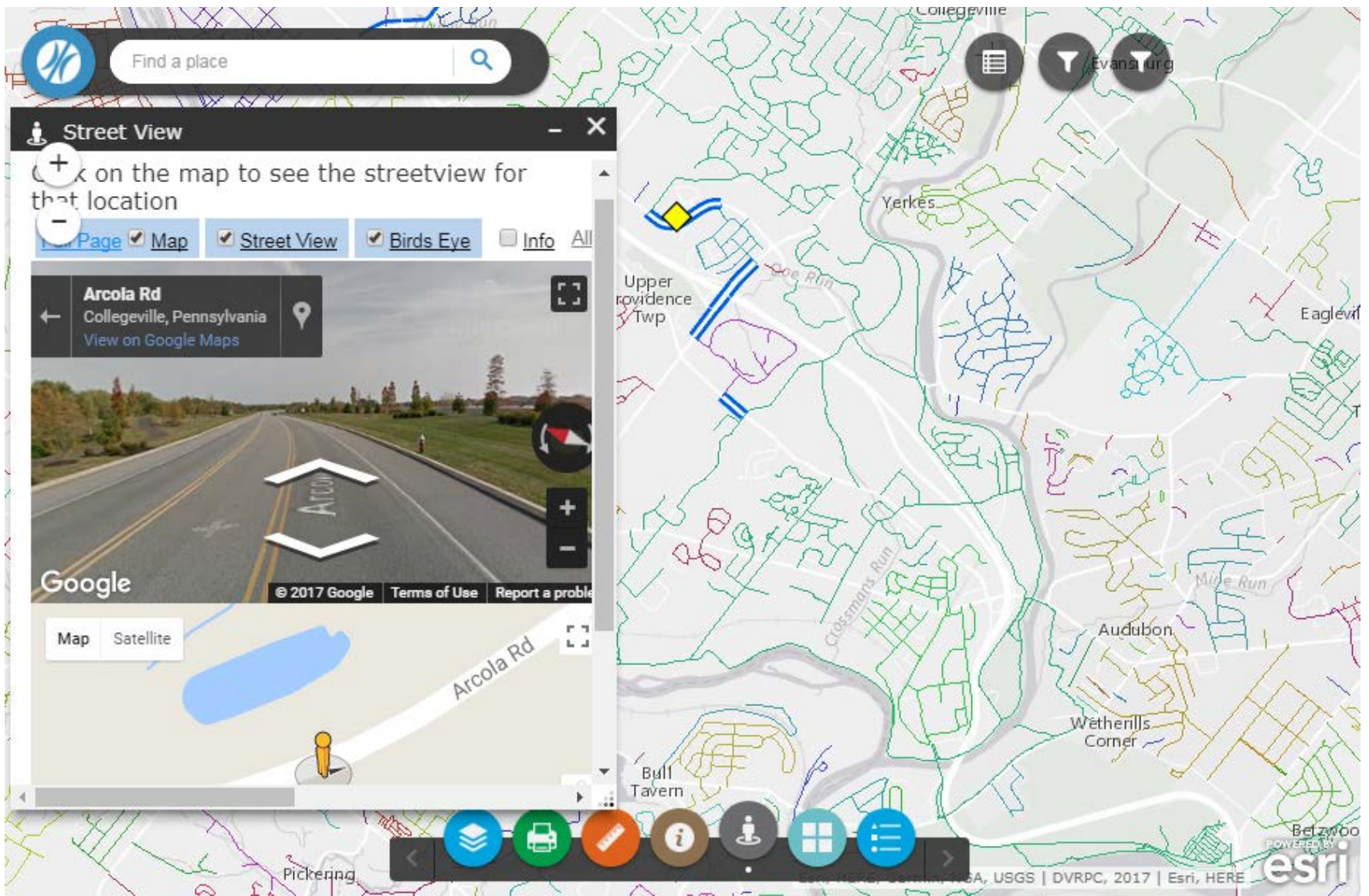






The screenshot displays a webmap interface for the Delaware Valley Region Planning Council (DVRPC). The map shows the Philadelphia and Trenton metropolitan areas, with blue dashed lines indicating transit routes. The interface includes a search bar at the top left with the text "Find a place" and a magnifying glass icon. To the right of the search bar are three circular icons: a list icon, a funnel icon, and a downward arrow icon. On the left side of the map, there are three circular navigation icons: a plus sign, a minus sign, and a home icon. At the bottom of the map, there is a toolbar with several icons: a blue cube icon, a green car icon, an orange bus icon, a brown information icon, a grey person icon, a teal grid icon, and a blue list icon. The map also shows state boundaries for Delaware, Pennsylvania, and New Jersey. The text "POWERED BY esri" is visible in the bottom right corner.





The image displays a webmap interface with a search bar at the top left containing the text "Find a place" and a magnifying glass icon. Below the search bar is a "Street View" window. The window title is "Street View" and it contains the text "Click on the map to see the streetview for that location". Below this text are several tabs: "Page", "Map", "Street View", "Birds Eye", "Info", and "All". The "Street View" tab is selected, showing a 360-degree panoramic view of a road. The road name "Arcola Rd" is visible in the center of the image. The location is identified as "Arcola Rd, Collegeville, Pennsylvania" with a "View on Google Maps" link. The Google logo and copyright information "© 2017 Google" are also visible. Below the panoramic view is a small map showing the location of Arcola Rd. The main map area shows a street grid with various labels such as "Upper Providence Twp", "Yerkes", "Audubon", "Wetherills Corner", "Bull Tavern", "Pickering", "Eagleville", "Mile Run", and "Crossmarks Run". The map is overlaid with a semi-transparent grid. At the bottom of the interface is a navigation bar with several icons: a blue circle with a white 'X', a green circle with a white printer icon, an orange circle with a white pencil icon, a brown circle with a white 'i' icon, a grey circle with a white person icon, a blue circle with a white grid icon, and a blue circle with a white list icon. The bottom right corner features the text "Belzwoo POWERED BY esri" and "© 2017 Esri, Inc. All rights reserved. Esri, HERE, DeLorme, Mapbox, Microsoft, Swire, USGS, Garmin, TomTom, Nextar, IBM, BlackBerry, Swire, USGS, HERE, Esri".



PennDOT Connects

Planning with our communities



PennDOT Connects for Resurfacing Projects

Construction
Schedule
Coordinated with
Township

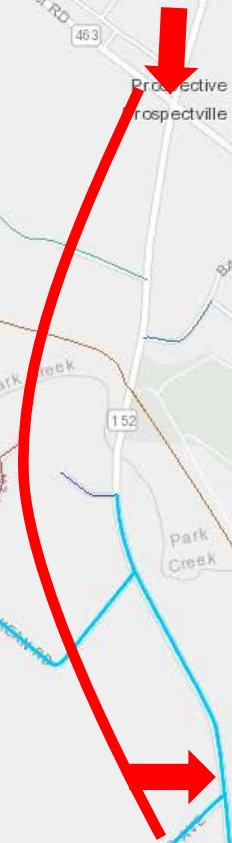
Supported
Bike Plan with
New Sharrows



Legend

- Regional Priorities (Suburban)
- Suburban LTS 3 Connections

- LTS 3 Link in top 50%
- Connection to Power Line Trail
- **On municipal and county plans**




Connection to Power Line Trail

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April 23, 2018

Kevin Herdin- Sr. Highway Maintenance Manager
7000 Geerdes Blvd
King of Prussia, PA 19406

Subject: Municipal Request to Incorporate Bicycle Facilities into Resurfacing Project

Montgomery County
Horsham Township
SR 0152/Limekiln Pike

Dear Kevin:

As part of the upcoming PennDOT resurfacing project MD7, and in concert with the **PennDOT Connects Initiative**, Horsham Township would like to request the incorporation of bicycle facilities on SR 0152/Limekiln Pike, with PennDOT to coordinate the necessary design activities. The proposed bicycle facilities are described below:

- **Location:** Limekiln Pike (SR 0152) from Tennis Avenue to Horsham Road
- **Bicycle Facilities Requested:** Stripe shoulder as bike lane in both directions; mark sharrows as necessary (for example, at bridge locations where striping the shoulder as a bike lane is not feasible).

Existing Cartway has Adequate Width (Including Shoulders)

PennDOT Connects for Resurfacing Projects – Ideal Process

PennDOT:

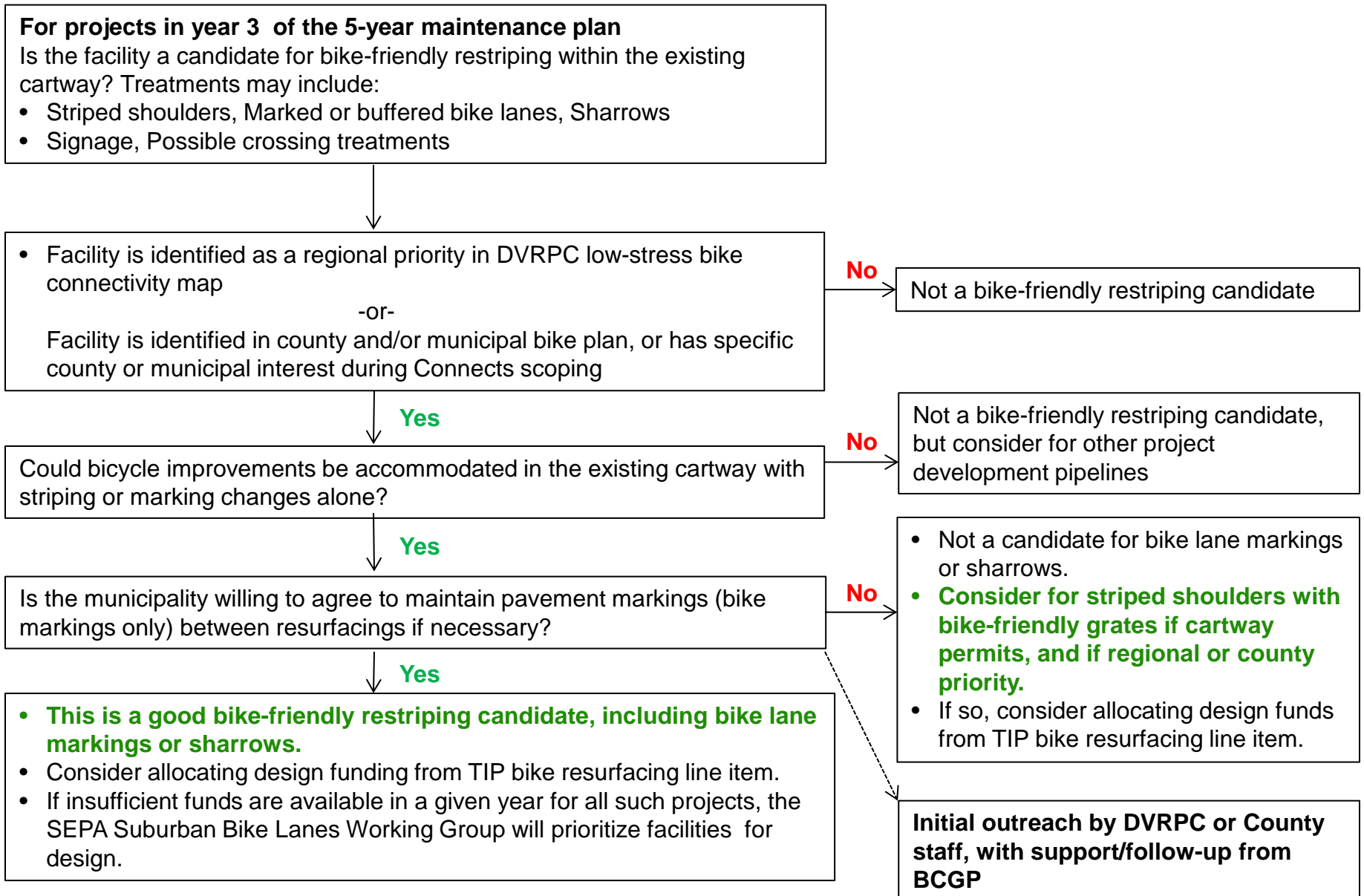
- Developed 5-year resurfacing plan
- Planning fall and spring outreach to municipalities
- Developed modified Project Initiation Form (PIF)
 - Reflects limited scope of maintenance projects

DVRPC:

- Use LTS to screen/analyze segments in Philadelphia and PA Suburban Counties
- TIP Funding for new striping plans (suburban counties)
 - Approximately 2 per county per year

PennDOT Connects Bike-Friendly Resurfacing Program for Maintenance Projects

DRAFT Ideal Process



Challenges

- Municipal buy-in essential
 - Concerns about maintenance costs, liability
- Coordination with municipal and County bike plans
 - Sidewalk inventory project includes platform/incentive to collect local plans
- Limited scope, rapid pace of maintenance projects
- Evolving process





Questions?

Sarah Moran, AICP
smoran@dvrpc.org

Jesse Buerk
jbuerk@dvrpc.org



BICYCLE LTS

& CONNECTIVITY ANALYSIS

