



TIP Actions

Transportation Improvement Program

New Jersey TIP (FY2018-2021)

Pennsylvania TIP (FY2019-2022)

November 2018



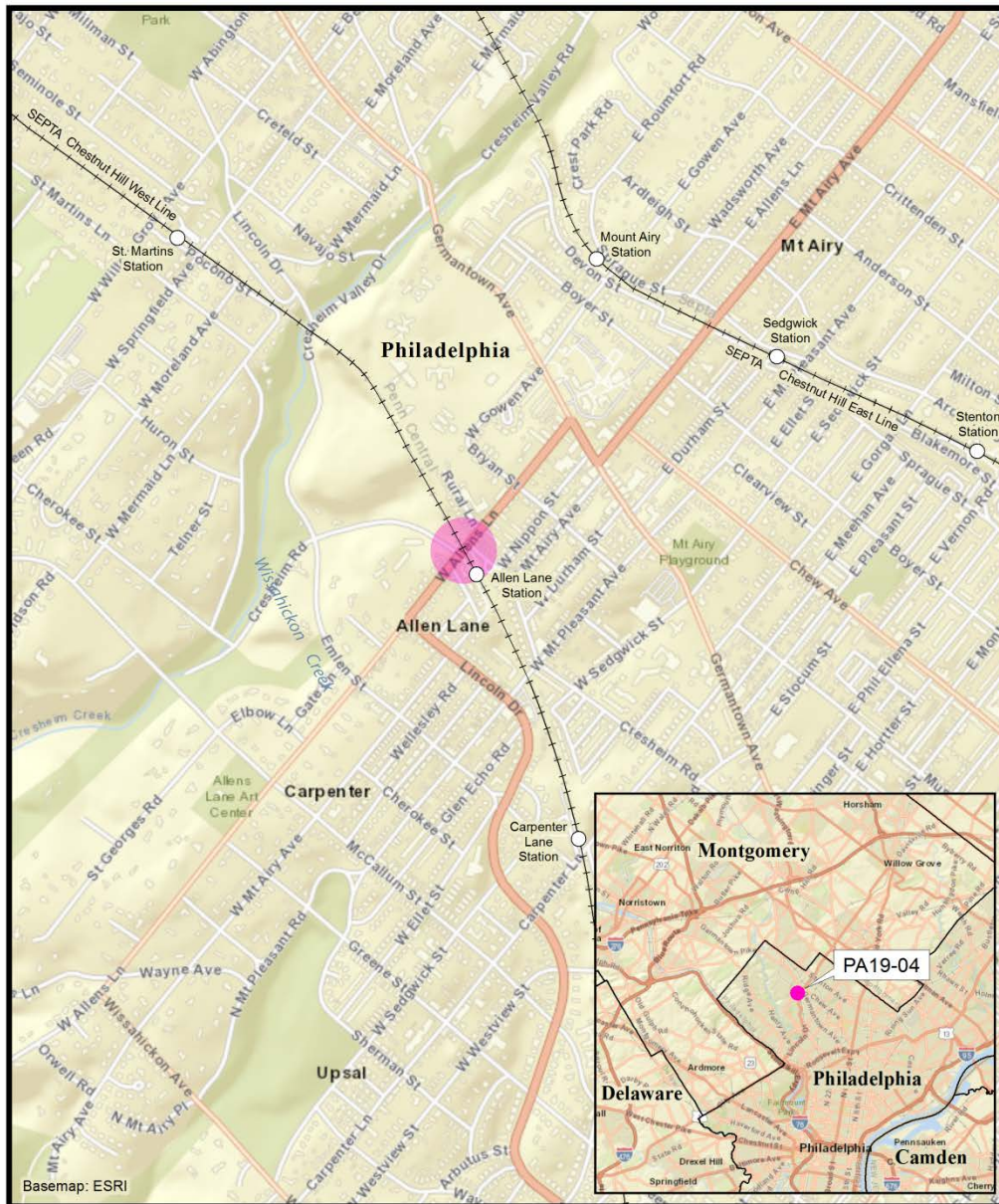
Allens Lane Bridge over SEPTA Rail Line

City of Philadelphia | Add Project Back into the TIP

- ▶ **Action Type:** TIP amendment
- ▶ **Action:** Add Construction phase back into the TIP in FY19 for \$3,750,000 State 581.
- ▶ **Background:** The CON phase was funded on the previous TIP but project could not be let before the end of September 2018.
 - Utility coordination is very complex
 - Finalizing cost sharing agreements took longer than anticipated
 - Final ADA approval took longer than expected
 - Traffic control plans and Categorical Exclusion re-evaluation timing was effected by the above delays.



PA19-04: Allens Lane Bridge over SEPTA Rail Line

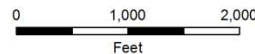


Bridge replacement with minimal approach work.

10 foot travel lanes in each direction with 6.6 foot wide shoulder on right side.

8 foot sidewalks, on both sides of bridge will replace existing sidewalks.

3 ½ foot high walls and metal protective barriers mounted to the top of the wall parapets for pedestrian safety.



PA 252 over Crum Creek

Delaware County | Add Project Back into the TIP

- ▶ **Action Type:** TIP amendment
- ▶ **Action:** Add Construction phase back into the TIP in FY19 for \$14,155,000 (\$6,500,000 State 185/\$7,655,000 State 581) and update project title to PA 252 Palmers Mill Road Bridge over Springton Dam Spillway.
- ▶ **Background:** The CON phase was funded on the previous TIP but project could not be let before the end of September 2018 due to last minute environmental issues.

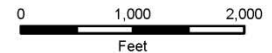
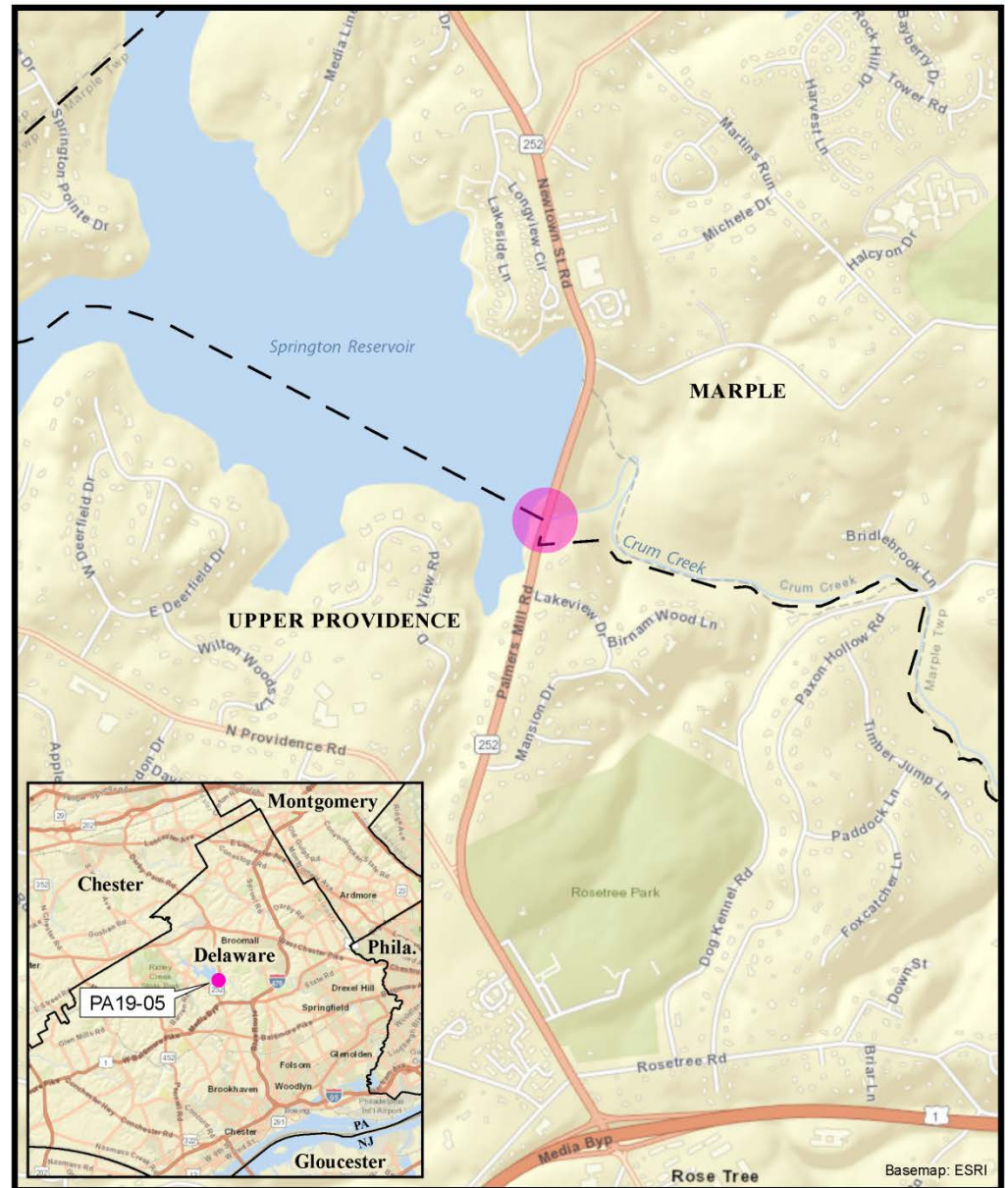


Moderately complex project with multiple construction seasons.

Bridge replacement with minor approach work.

Temporary bridge, temporary roadway and permanent retaining wall to be constructed to maintain two lanes of traffic.

PA19-05: PA 252 over Crum Creek



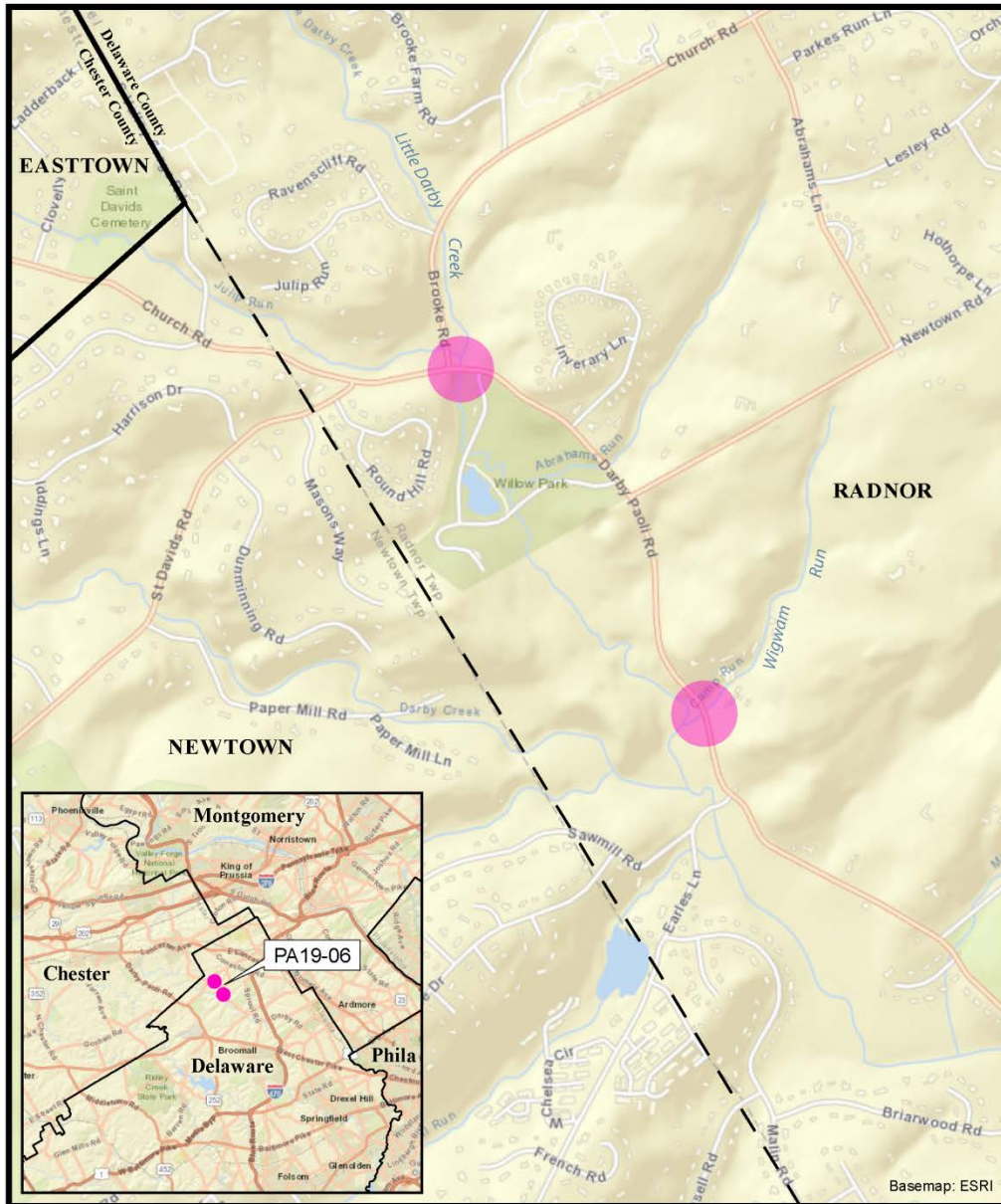
Darby-Paoli Road Bridges (2) over Little Darby Creek and Wigwam Run

Delaware County I Add Project Back into the TIP

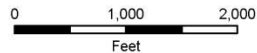
- ▶ **Action Type:** TIP amendment
- ▶ **Action:** Add Construction phase back into the TIP in FY19 for \$3,825,000 STU/Toll Credit Match.
- ▶ **Background:** The CON phase was funded on the previous TIP but project could not be let before the end of September 2018 due a delay in Right-of-Way being cleared.



PA19-06: Darby-Paoli Road Bridges (2) Over Little Darby Creek and Wigwam Run



- ▶ Complete bridge replacement of two structures that carry Darby-Paoli Road over Little Darby Creek and Wigwam Run.



TIP Action | Proposed – PA

That the Regional Technical Committee recommends Board approval of PennDOT's request that DVRPC amend the FY2019 TIP for Pennsylvania by:

- ▶ Adding the construction phase of the Allens Lane Bridge over SEPTA Rail Line back into the TIP in FY19 for \$3,750,000 State 581;
- ▶ Adding the construction phase of PA 252 over Crum Creek back into the TIP in FY19 for \$14,155,000 (\$6,500,000 State 185/\$7,655,000 State 581) and update project title to PA 252 Palmers Mill Road Bridge over Springton Dam Spillway;
- ▶ And adding the construction phase of the Darby-Paoli Road Bridges (2) Over Little Darby Creek and Wigwam Run back into the TIP in FY19 for \$3,825,000 STU/Toll Credit Match.

Stormwater Management and Wetland Site Repair

Various Counties I Add New Project to the TIP

- ▶ **Action Type:** TIP amendment
- ▶ **Action:** Add new project to the TIP for construction in FY19 for \$1,000,000 State 581.
- ▶ **Background:** Project will allow PennDOT to remain in compliance with existing Chapter 105 Waterway permits as well as existing National Pollutant Discharge Elimination System permits that have been issued for project sites.



Stormwater Management and Wetland Site Repair

Various Counties | Add New Project to the TIP

- ▶ **Scope:** Projects consists of repairs to 3 previously constructed wetland mitigation sites along the Exton Bypass in West Whiteland Township as well as Stormwater Control Measure repairs that have been identified in Bucks and Montgomery Counties.
 - Specific Site work will include re-grading, re-planting, inlet and outlet structure repairs, channel restoration, and similar re-construction work.



TIP Action | Proposed – PA

That the Regional Technical Committee recommends Board approval of PennDOT's request that DVRPC amend the FY2019 TIP for Pennsylvania by adding a new project, Stormwater Management and Wetland Site Repair and programming the construction phase in FY19 for \$1,000,000 State 581.

ADA Ramp Study (Suburban Counties)

Various Counties | Add New Project to the TIP

- ▶ **Action Type:** TIP amendment
- ▶ **Action:** Add new project to the TIP for study in FY19 for \$300,000, STU/Toll Credit Match.
- ▶ **Background:** Project will inventory and scope ADA ramps in Bucks, Chester, Delaware, and Montgomery Counties where surface treatment projects have taken place between August 1, 2017 and July 31, 2018, and have triggered the obligation to provide compliant curb ramps where pedestrian walkways intersect the resurfaced streets.



TIP Action | Proposed – PA

That the Regional Technical Committee recommends Board approval of PennDOT's request that DVRPC amend the FY2019 TIP for Pennsylvania by adding a new project, ADA Ramp Study (Suburban Counties) and programming the Study phase in FY19 for \$300,000 STU/Toll Credit match.

2017 Green Light-Go Projects

Various Counties | Add New Projects to the TIP

- ▶ **Action Type:** TIP amendment
- ▶ **Action:** Approve the list of 17 projects selected as part of PennDOT's Statewide Green Light-Go program (year four) and amend the FY2019 TIP for Pennsylvania by adding the new projects to the TIP in FY19.
- ▶ **Background:** Year 4 of the competitive round, which was established by Act 89 of 2013 to provide grants for the operation and maintenance of traffic signals along critical and designated corridors on state highways.



2017 Green Light-Go Projects

Various Counties | Add New Projects to the TIP

- ▶ **Background:** Eligible projects include: Study and removal of unwarranted traffic signals, traffic signal retiming, development of detour, special event, and operations plans, LED replacement, traffic signal operations, traffic signal maintenance, and other traffic signal improvements.
- ▶ DVRPC region received \$16,396,000 to fund 24 projects for the 2017 round. 17 projects, at a cost of **\$11,764,000**, are being requested at this time. Remaining projects will be requested to be added at a later date.



County	Project Name	Municipality	Cost
Bucks	Edgley Rd and Mill Creek Rd Traffic Signal Modernization	Bristol Twp	\$224,000
	Bristol Township Traffic Signal Modernization	Bristol Twp	\$273,000
	Northampton Twp Traffic Signal Modernization	Northampton Twp	\$209,000
	Warminster Twp Traffic Signal Upgrades 1	Warminster Twp	\$75,000
	Warminster Twp Traffic Signal Upgrades 2		\$79,000
	Warminster Twp Traffic Signal Upgrades 3		\$72,000
Chester	West Chester Boro Traffic Signal Modernization	West Chester Boro	\$688,000
Delaware	Concord Twp LED Upgrades	Concord Twp	\$244,000
	Media Boro Video Detection Upgrades	Media Boro	\$130,000

County	Project Name	Municipality	Cost
Montgomery	Abington Twp Signal Modernization	Abington Twp	\$429,000
	Lower Moreland Twp Signal Modernization	Lower Moreland Twp	\$396,000
	Towamencin Twp Signal Upgrades	Towamencin Twp	\$342,000
	Upper Moreland Twp Signal Modernization	Upper Moreland Twp	\$253,000
	Upper Providence Twp Signal Modernization	Upper Providence	\$232,000
	Whitpain Twp Signal Modernization	Whitpain Twp	\$243,000
Philadelphia	Second Street Signal Modernization	City of Philadelphia	\$3,207,000
	Oregon Ave Signal Upgrades		\$4,668,000
TOTAL			\$11,764,000

TIP Action | Proposed – PA

That the Regional Technical Committee recommends Board approval of PennDOT's request that DVRPC approve the list of 17 projects selected as part of PennDOT's Statewide Green Light-Go program (year four) and amend the FY2019 TIP for Pennsylvania by adding the new projects to the TIP in FY19.

Funds for this program are additional to the region.

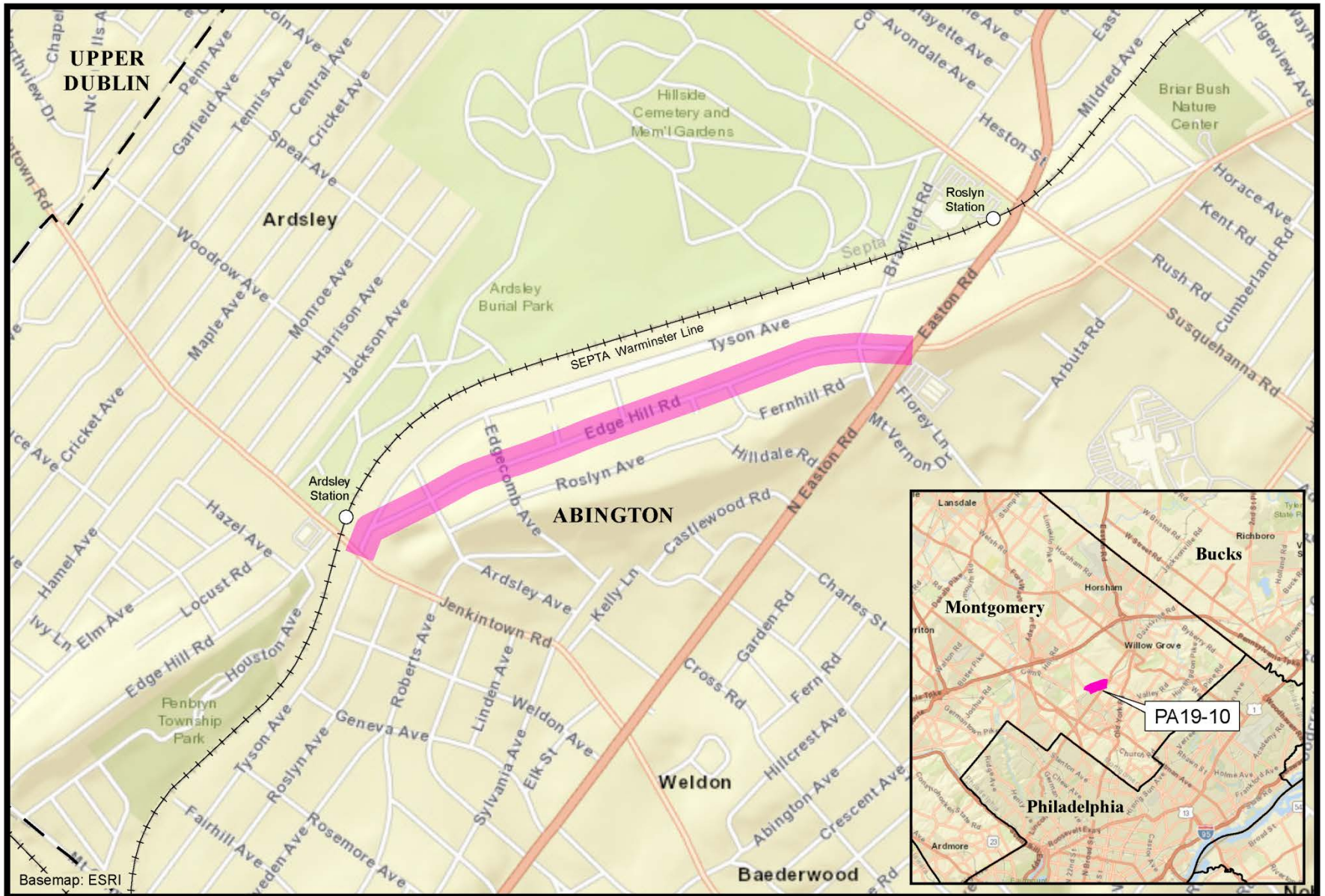
Edge Hill Road Reconstruction

Montgomery County | Remove Project Funding from the TIP

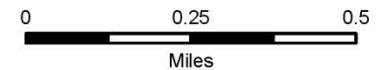
- ▶ **Action Type:** TIP amendment
- ▶ **Action:** Remove \$14,000,000 (FY19: \$156,000 STP/\$421,000 STU/Toll Credit, FY20: \$1,923,000 STP/\$9,332,000 STU/Toll Credit, FY21: \$2,168,000 STU/Toll Credit) project, Edge Hill Road Reconstruction from TIP.
- ▶ **Background:** The project was let under the previous FY2017 TIP, is fully funded, and funds are not needed on the current FY2019 TIP, as the funds were already obligated.



PA19-10: Edge Hill Road Reconstruction



Basemap: ESRI



TIP Action | Proposed – PA

That the Regional Technical Committee recommends Board approval of PennDOT's request that DVRPC amend the FY2019 TIP for Pennsylvania by removing the \$14,000,000 (FY19: \$156,000 STP/\$421,000 STU/Toll Credit, FY20: \$1,923,000 STP/\$9,332,000 STU/Toll Credit, FY21: \$2,168,000 STU/Toll Credit) Edge Hill Road Reconstruction project, as the project was let in the previous fiscal year and is fully funded. Funding for this project is no longer needed on the FY2019 TIP, as funds were already obligated.

SEPTA Bus Purchase Program

SEPTA I Increase Funding

- ▶ **Action Type:** TIP amendment
- ▶ **Action:** Increase funding by \$11,716,000 (\$1,500,000 Section 5312/\$9,887,000 State 1514/\$329,000 Local). \$1,500,000 Section 5312 is additional funding to the region.
- ▶ **Background:** SEPTA was awarded a competitive FTA Section 5312 Low or No Emissions Grant in August 2018. This grant will support the purchase of 10 zero-emission all-electric busses and related-equipment. These vehicles will be deployed throughout the SEPTA Midvale District.



TIP Action | Proposed – PA

That the Regional Technical Committee recommends Board approval of PennDOT's request that DVRPC amend the FY2019 TIP for Pennsylvania by increasing funding for the Bus Purchase Program, by \$11,716,000 (\$1,500,000 Section 5312/\$9,887,000 State 1514/\$329,000 Local). \$1,500,000 Section 5312 is additional funding to the region.



Transportation
Improvement
Program

TIP

Thank You!

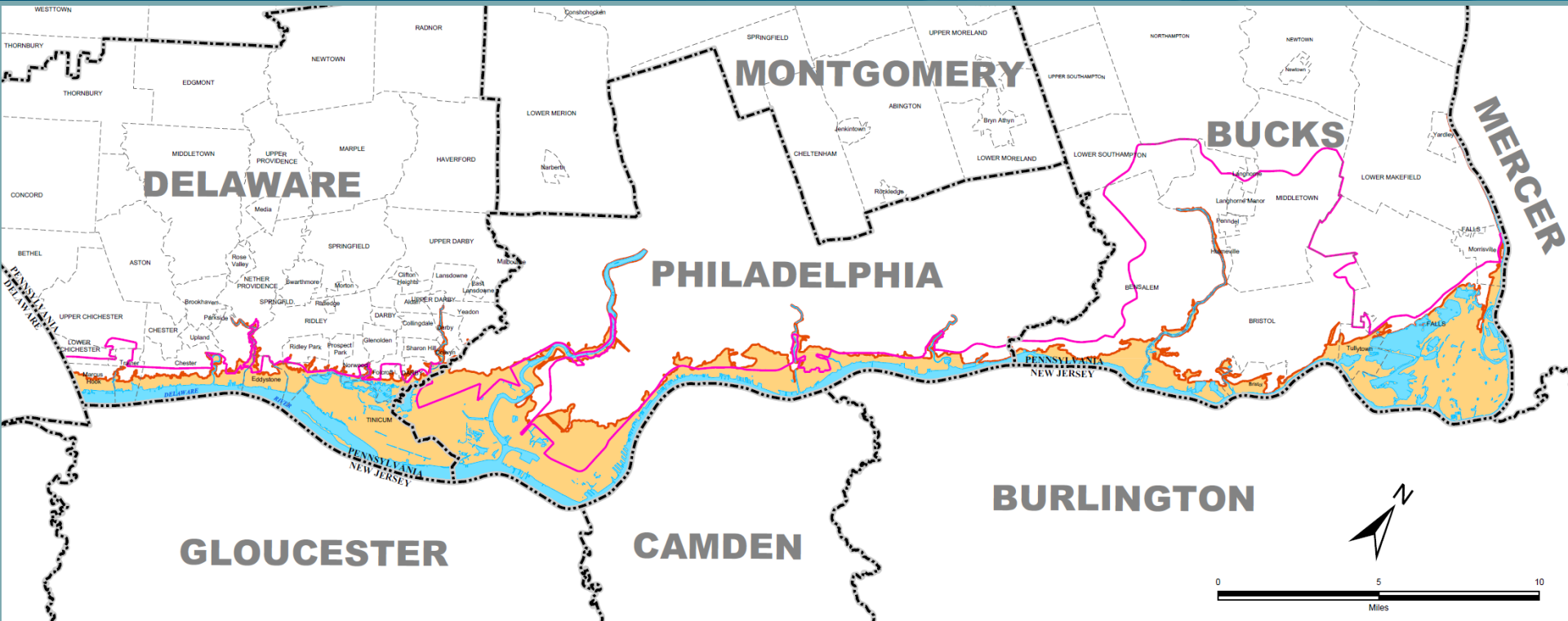
www.dvrpc.org/TIP





Amy Verbofsky
Regional Technical Committee
November 13, 2018

FY2019 WORK PROGRAM AMENDMENT:

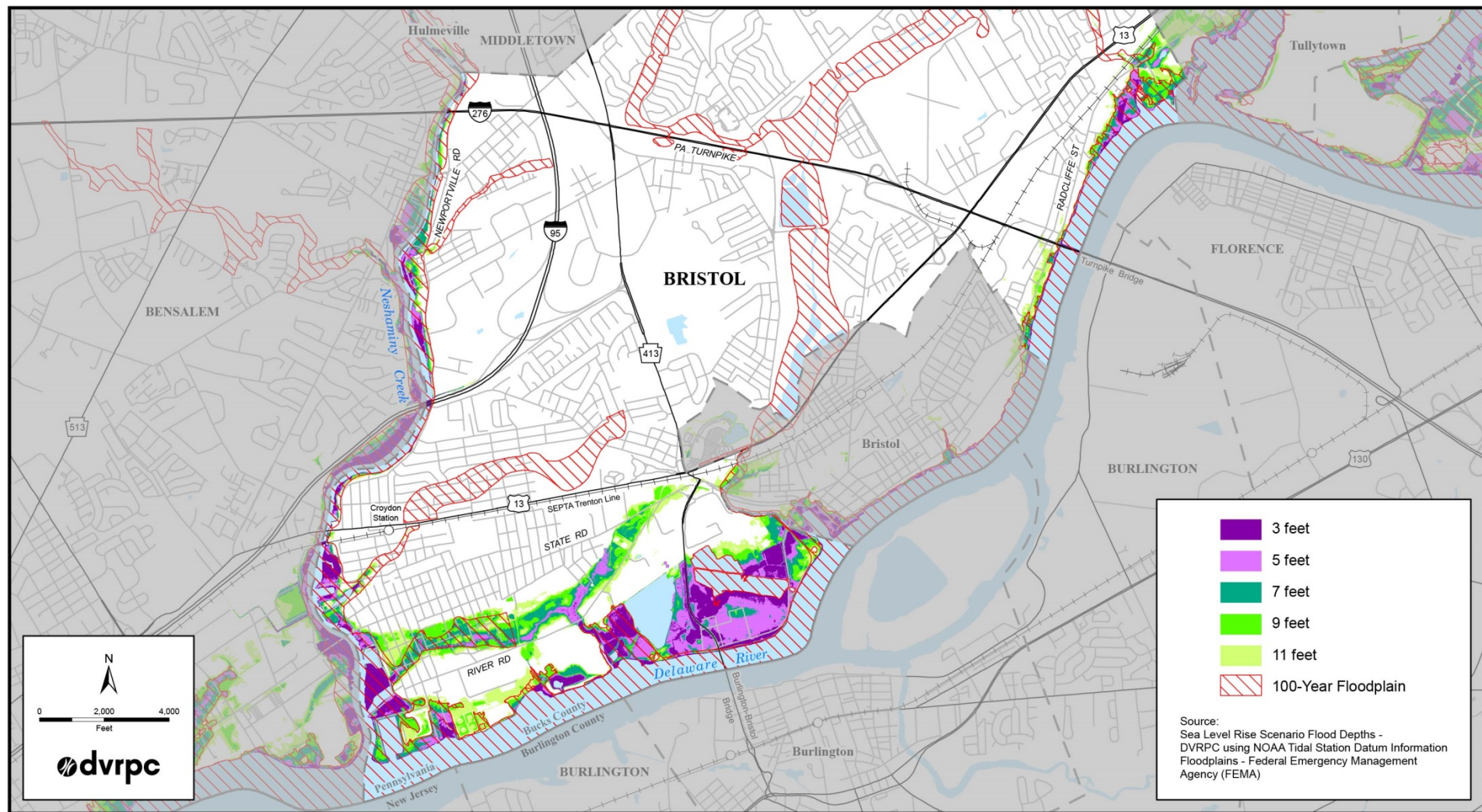
Building Capacity to Facilitate Climate Adaptation Planning and Community Resiliency

ABOUT THE PROJECT



-  Open Water
-  Pennsylvania Coastal Zone Study Area
-  20-Foot Contour / Study Area Boundary
-  Coastal Zone Management Boundary

ABOUT THE PROJECT



ACTION PROPOSED

- That the Regional Technical Committee (RTC) recommends that the Board amend the DVRPC FY2019 Work Program to include **Building Capacity to Facilitate Climate Adaptation Planning and Community Resiliency**, and authorize the Executive Director to enter into a contract with PADEP for this project.

THANK YOU!



Questions?

Contact: Amy Verbofsky
averbofsky@dvrpc.org



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



FY2018 DVRPC Competitive CMAQ Program for NJ Recommended Projects

Nov. 13, 2018 | 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 in New Jersey during FY2018 to solicit and add new projects to the TIP for FY19 - FY21 authorization
- \$5 million of the region's CMAQ funds set-aside
 - \$1 million dedicated to Circuit Trail CON projects
- Last round: 2015 (\$3.6 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 transit vehicle replacements or non-transit vehicle purchases

Applications

- Application Period: May 1, 2018 – June 29, 2018
- 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 7 applications from 4 public agencies
- Total CMAQ request: \$5,538,536

Selection Process

- Selection Committee
 - 12 members (NJ 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%)

6 Recommended Projects - \$3,898,340 CMAQ

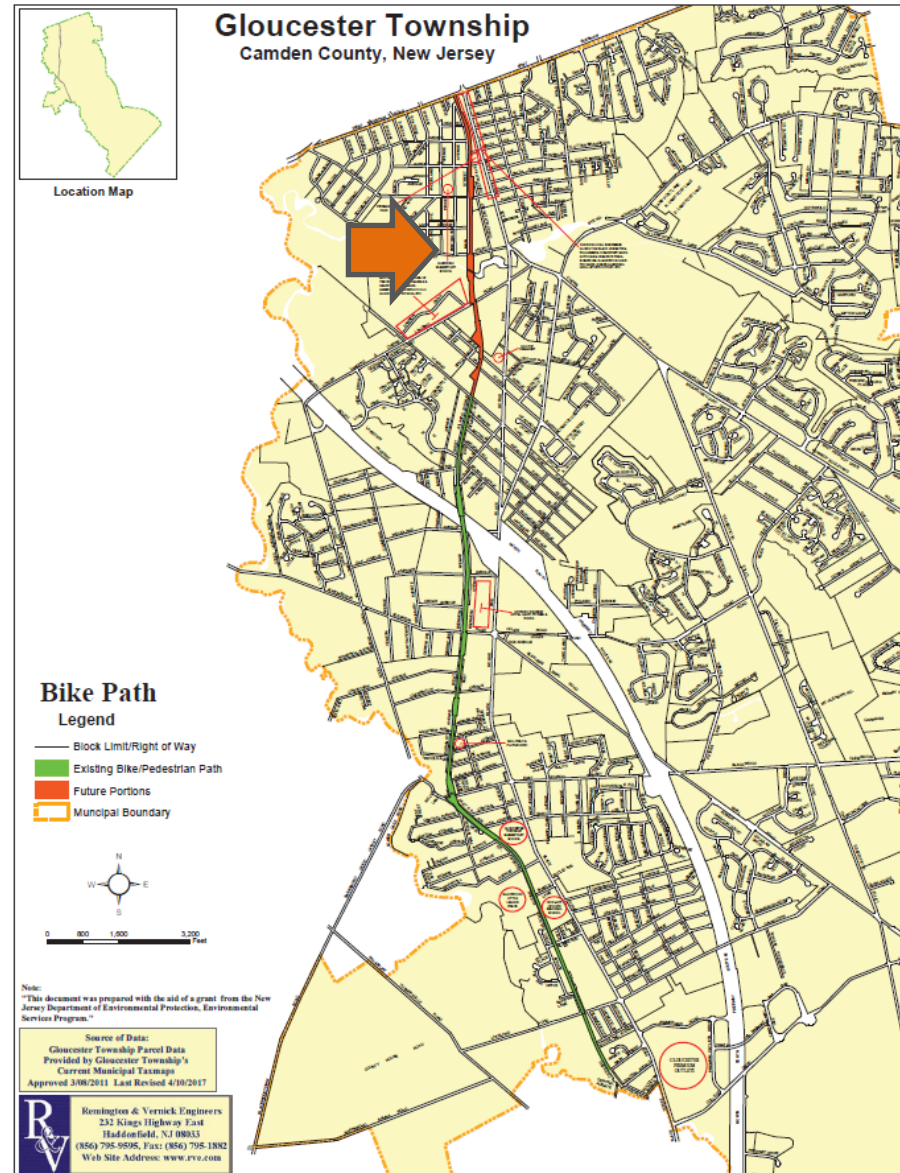
Applicant/Sponsor	County	Application Title	Type	Award Requirements	Award
Gloucester Township	Camden	Gloucester Township Bicycle Trail, Oak Avenue to Evesham Road	Circuit Trail Construction (CON)		\$958,500
Mercer County	Mercer	Intersection Improvements, Hamilton Avenue (CR 606) and Kuser Road (CR 619)/Ward Avenue and Hamilton Avenue and Liberty Street (in Hamilton Twp.)	Congestion Reduction & Traffic Flow Improvements (CON)		\$1,185,000
Lawrence Township	Mercer	Maidenhead Meadows Trail	Circuit Trail Construction (CON)		\$1,214,400
NJDEP	Various	Pay\$ to Plug In: New Jersey's Electric Vehicle Charging Grants Program	Alt. Fuel Vehicle Program Expansion for Private & Public Entities	Local Public Agencies only	\$200,000
NJDEP	Various	Emergency Medical Services (EMS) Idle Reduction Grant Program	Idling Reduction Grant Program/Pilot Program	Entities keep APUs in operation for 4 years, not 3.	\$216,000
NJDEP	Various	Electric Vehicle Ride and Drive Events	Public Education & Outreach		\$124,440
Total CMAQ Award:					\$3,898,340

All awarded projects must authorize CMAQ funds by August 2021.

Gloucester Township Bicycle Trail, Oak Avenue to Evesham Road

Sponsor:
Gloucester Township

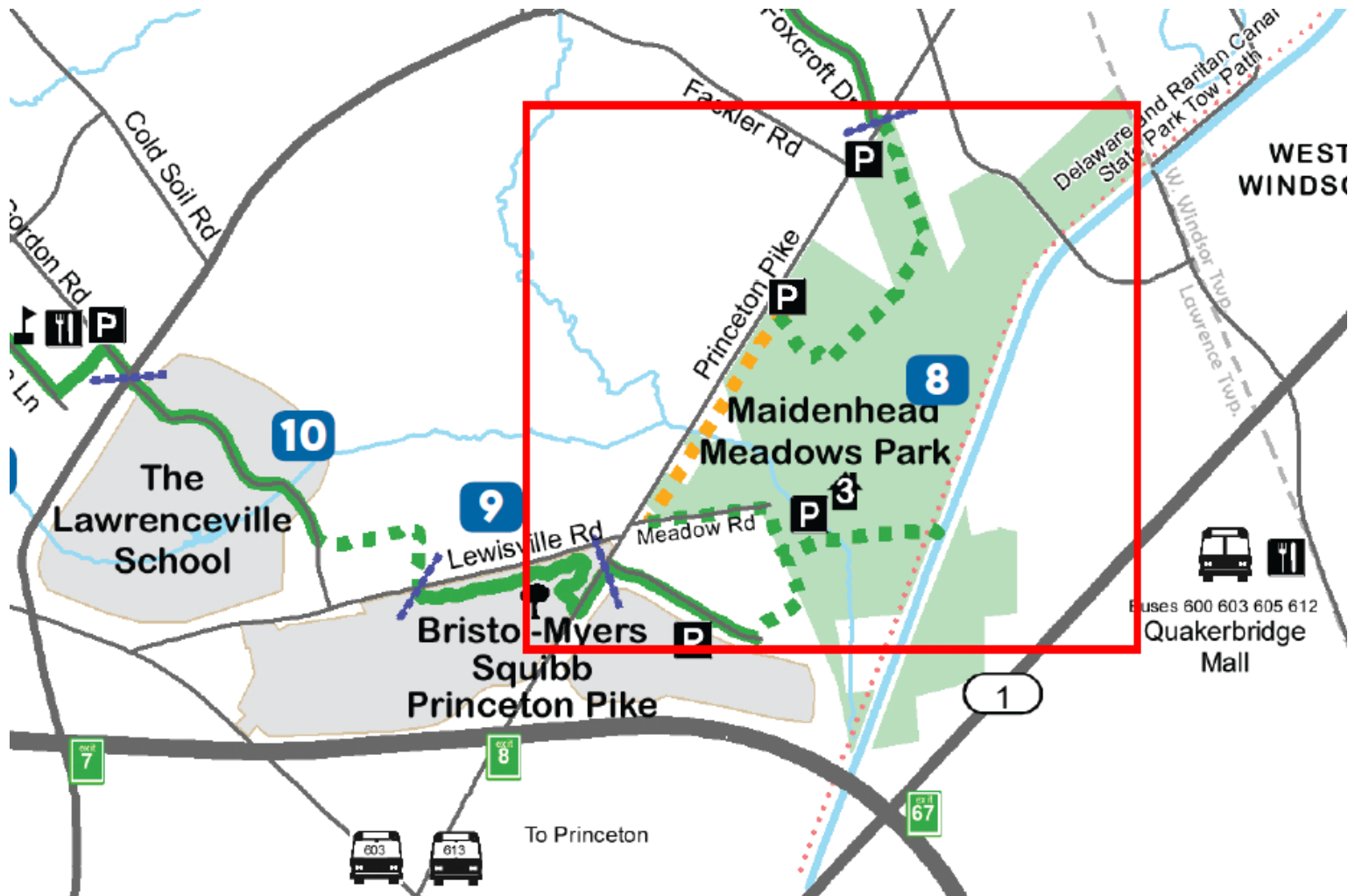
CMAQ Award:
\$958,500 for CON



Maidenhead Meadows Trail

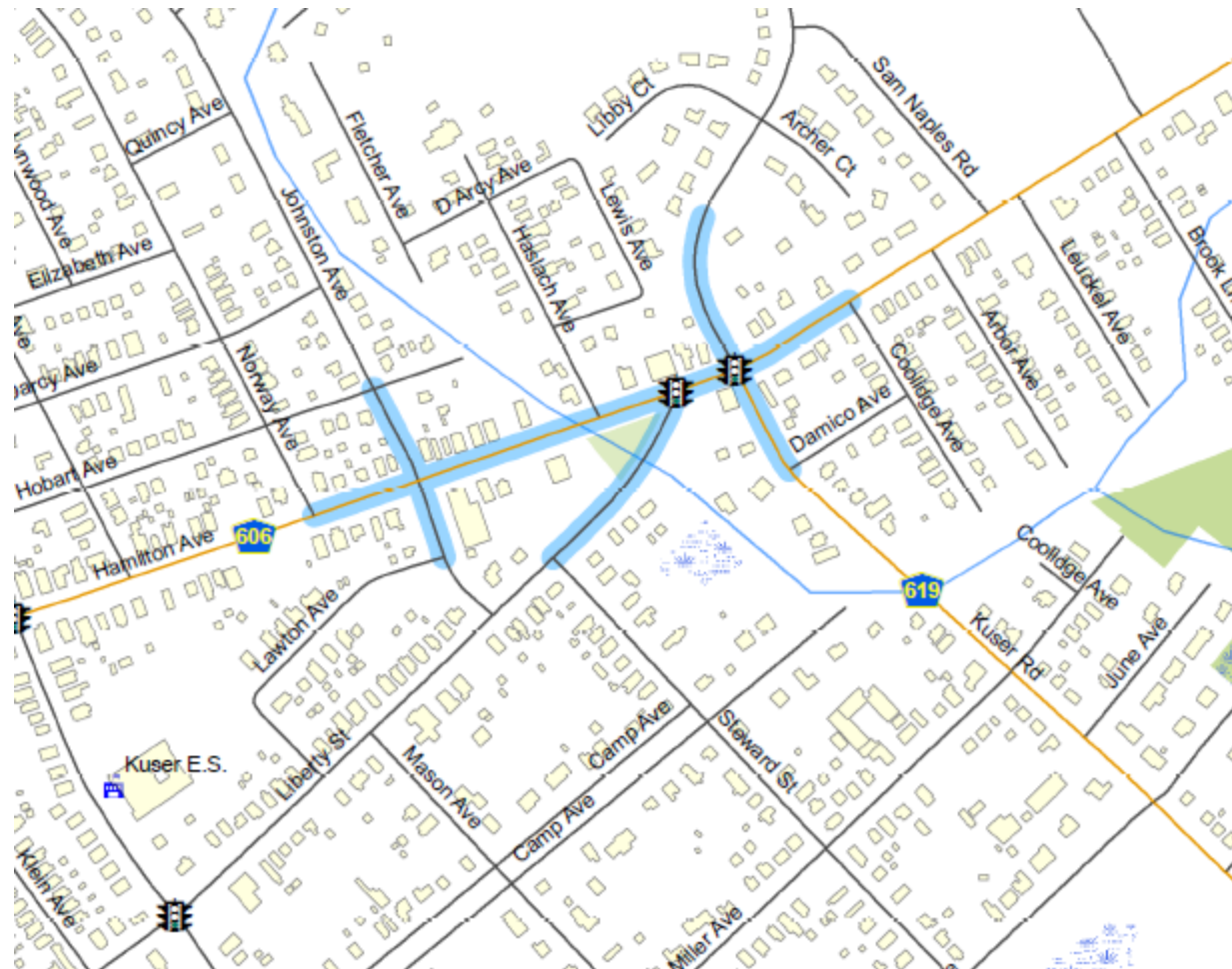
Sponsor: Lawrence Township

CMAQ Award: \$1,214,400 for CON



Intersection Improvements, Hamilton Avenue (CR 606) and Kuser Road (CR 619)/Ward Avenue and Hamilton Avenue and Liberty Street (in Hamilton Twp.)

Sponsor: Mercer County
CMAQ Award: \$1,185,000 for CON



Emergency Medical Services (EMS) Idle Reduction Grant Program

Sponsor: NJDEP

CMAQ Award: \$216,000 and keep APUs in operation for 4 years



These pictures are shown for presentation purposes only.

Source: <https://www.fireapparatusmagazine.com/articles/company-news/2016/06/fdny-ambulances-stealth-power.html>

Pay\$ to Plug In: New Jersey's Electric Vehicle Charging Grants Program

Sponsor: NJDEP
CMAQ Award: \$200,000 for Local Public Agencies only

https://www.drivegreen.nj.gov/plugin.html

Governor Phil Murphy • Lt. Governor Sheila Oliver
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STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF MOBILE SOURCES

DEP Home | About DEP | Index by Topic | Programs/Units | DEP Online

It Pay\$ to Plug In



It Pay\$ to Plug In: NJ's Electric Vehicle Charging Grants

It Pay\$ to Plug In provides grants to offset the cost of purchasing and installing electric vehicle charging stations. The program is designed to expand New Jersey's growing network of electric vehicle infrastructure, allowing residents, businesses, and government agencies to purchase and drive electric vehicles. EVs dramatically reduce vehicle emissions and improve air quality for everyone.

We are accepting applications for our waitlist in anticipation of funding becoming available!

Eligible Projects

- Workplaces:** Charging stations for employees who drive electric vehicles. Examples include workplace chargers for employees who drive electric vehicles to work, and chargers for fleet vehicles.
- Public Places:** Charging stations that are open to the public. Examples include charging stations in downtown areas, public parking lots and garages, hotels, transit centers, leisure destinations, colleges and universities, retail parking areas, and public parks.
- Multi-Unit Dwellings:** Charging stations for multi-family residences, including apartments, condominiums and townhouses.

Eligible Applicants

Private residential dwellings other than multi-unit dwellings are **not** eligible for grants.

The program is open to all other applicants: Businesses, governments, non-profit organizations, and educational institutions.

Reimbursement Amounts

Upon completion of work in accordance with the eligibility criteria, NJDEP will reimburse each applicant for a percentage of eligible costs, up to a maximum of:

- \$750 per Level 1 charging station;
- \$5,000 per single-port Level 2 charging station;
- \$6,000 per dual-port Level 2 charging station.



Drive Green NJ
DriveGreen Home
AQES Home
DAQ Home
Electric Vehicles Basics
Charging
Affordability
Tools
Useful Links
Programs

Stop the Soot
Home
Emission Repair
Technician Certification (ERT)
NJ Clean Construction
Clean Vehicles
Mandatory Retrofit Program
Motor Vehicle Inspections
Ports
Voluntary and Demonstration Projects

Information
Can I See Soot?
Fact Sheets and Brochures
Related Web Sites
Reporting Smoking Vehicles
Reports
Rules
What You Can Do

Electric Vehicle Ride and Drive Events

Sponsor: NJDEP
CMAQ Award: \$124,440



This picture is from an EV Ride-and-Drive Event in Hawaii. It is shown for presentation purposes only.

Source: <http://www.stchawaii.org/electric-vehicle-program/>

Action Request

- That the RTC recommends Board approval of the list of projects recommended for CMAQ funding from FY19 to FY21 through the FY2018 DVRPC Competitive CMAQ Program for New Jersey, and
- amend the NJ TIP by adding the following 6 projects, totaling \$3,898,340, to the line item, Local CMAQ Initiatives (DB #X065) (TIP Action NJ18-052):

Recommended Projects

Applicant/Sponsor	County	Application Title	Type	Award Requirements	Award
Gloucester Township	Camden	Gloucester Township Bicycle Trail, Oak Avenue to Evesham Road	Circuit Trail Construction (CON)		\$958,500
Mercer County	Mercer	Intersection Improvements, Hamilton Avenue (CR 606) and Kuser Road (CR 619)/Ward Avenue and Hamilton Avenue and Liberty Street (in Hamilton Twp.)	Congestion Reduction & Traffic Flow Improvements (CON)		\$1,185,000
Lawrence Township	Mercer	Maidenhead Meadows Trail	Circuit Trail Construction (CON)		\$1,214,400
NJDEP	Various	Pay\$ to Plug In: New Jersey's Electric Vehicle Charging Grants Program	Alt. Fuel Vehicle Program Expansion for Private & Public Entities	Local Public Agencies only	\$200,000
NJDEP	Various	Emergency Medical Services (EMS) Idle Reduction Grant Program	Idling Reduction Grant Program/Pilot Program	Entities keep APUs in operation for 4 years, not 3.	\$216,000
NJDEP	Various	Electric Vehicle Ride and Drive Events	Public Education & Outreach		\$124,440
Total CMAQ Award:					\$3,898,340

Thank You!

Questions?

Kwan Hui

Office of Capital Programs

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www.dvrpc.org/CMAQ

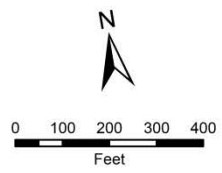
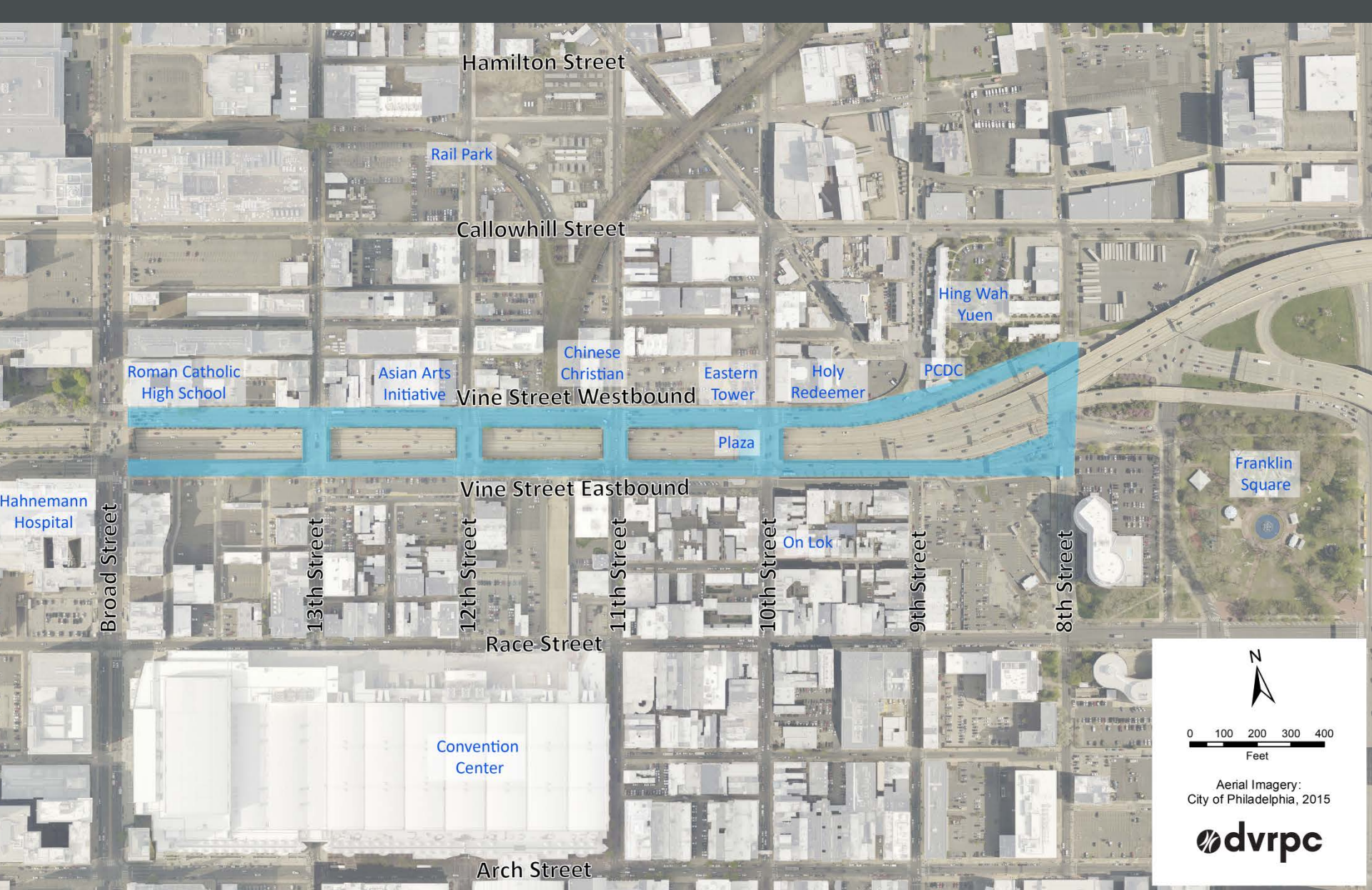




REVIVING VINE

Improving Multimodal
Connections On Vine Street





Aerial Imagery:
City of Philadelphia, 2015



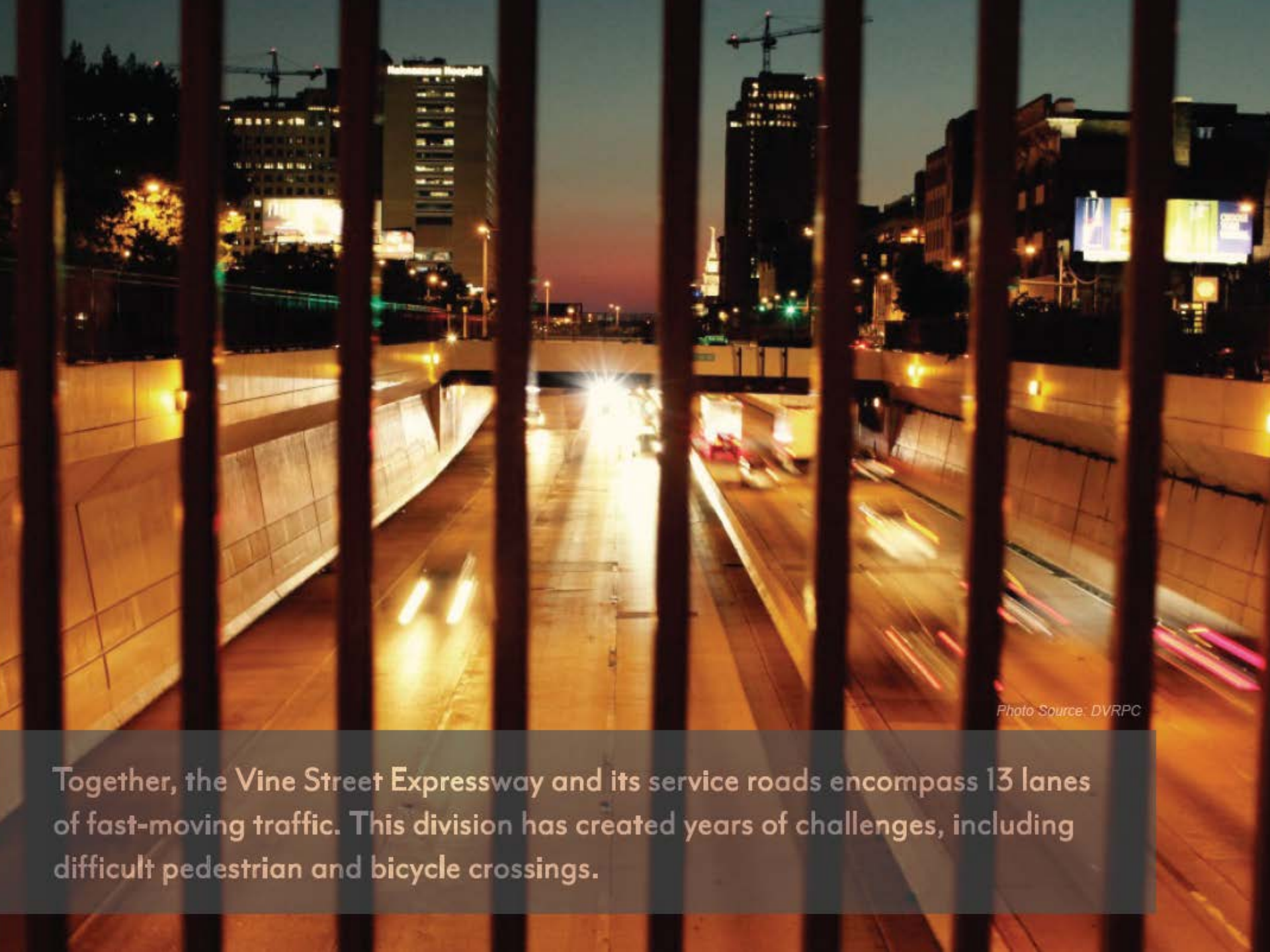


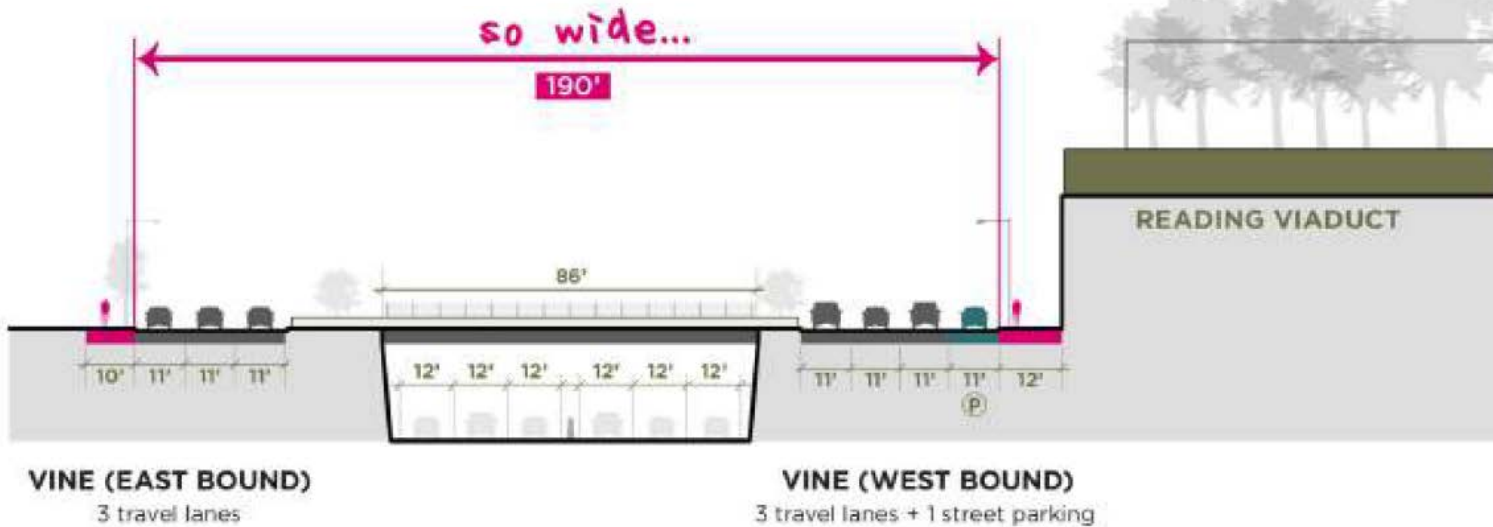
Photo Source: DVRPC

Together, the Vine Street Expressway and its service roads encompass 13 lanes of fast-moving traffic. This division has created years of challenges, including difficult pedestrian and bicycle crossings.



Source: Chinatown Neighborhood Plan 2017

Source: Chinatown Neighborhood Plan 2017



HISTORY OF







ONE WAY
→

11th St



11th St
十一街

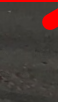
ONE WAY
→

VINE ST
葡萄安街

ONE WAY
←



ONE WAY
←



ONE WAY
→



45'

JULY 2016

USDOT Every Place
Counts Design
Challenge

OCTOBER 2017

Chinatown
Neighborhood
Plan Released

DECEMBER 2017

Chinatown
Connections
Report Released

FEBRUARY 2018

DVRPC Reviving Vine
Kickoff Meeting

APRIL 2018

DVRPC Reviving Vine
Open House

SEPTEMBER 2018

DVRPC Reviving Vine
Report Released

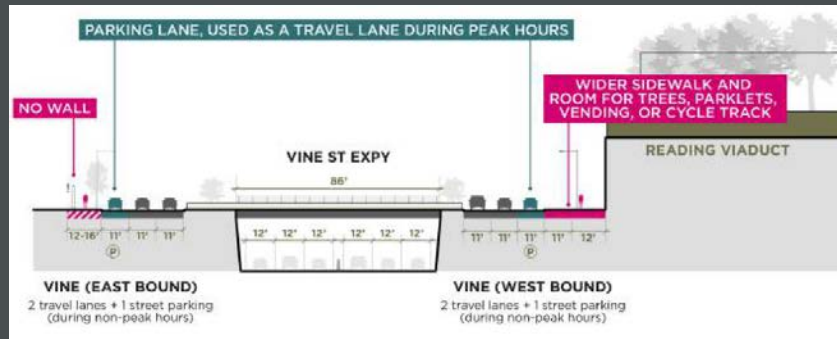




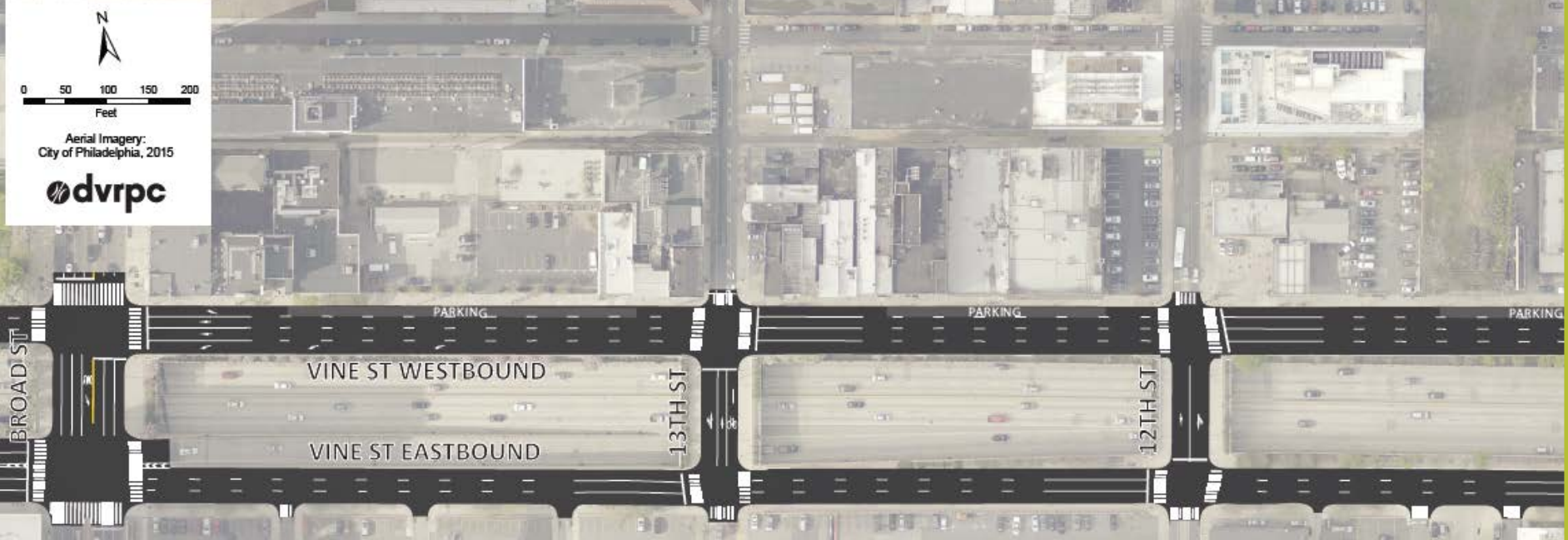
Photo Source: DVRPC

Reviving Vine aims to increase neighborhood connections by enhancing multimodal, inclusive mobility options in the Vine Street corridor. By improving safety and rebalancing roadway uses, the recommendations will empower residents and visitors to reclaim Vine Street as a safe, attractive, and community-oriented public space.



Public Open House

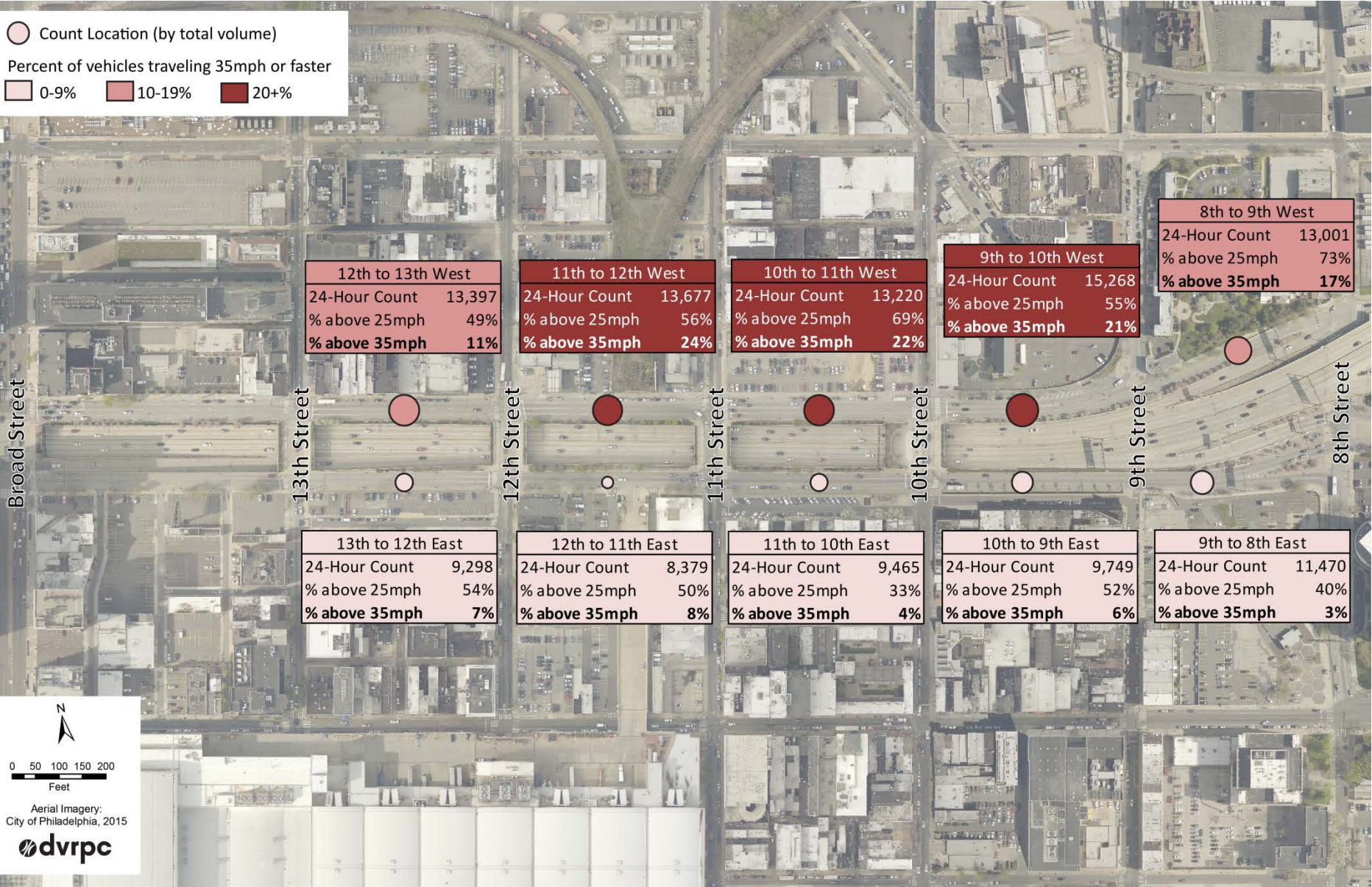
Aerial Imagery:
City of Philadelphia, 2015




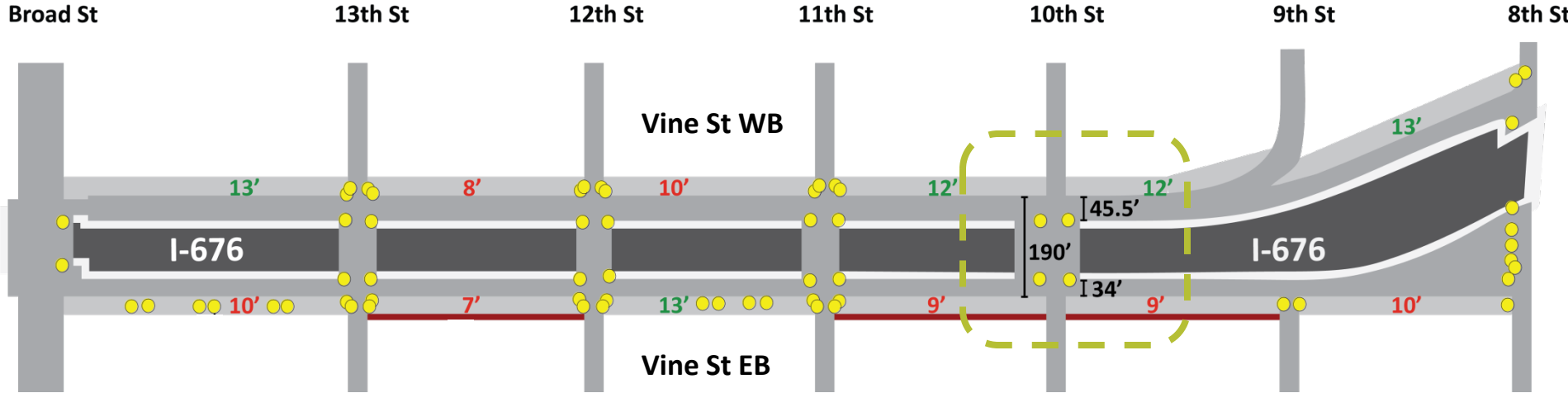
○ Count Location (by total volume)

Percent of vehicles traveling 35mph or faster

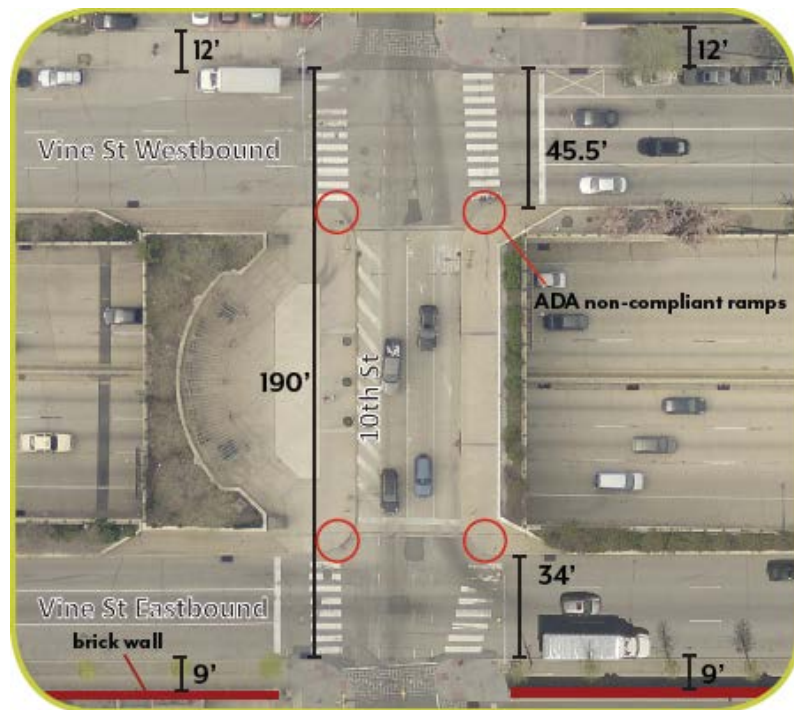
0-9% 10-19% 20+%

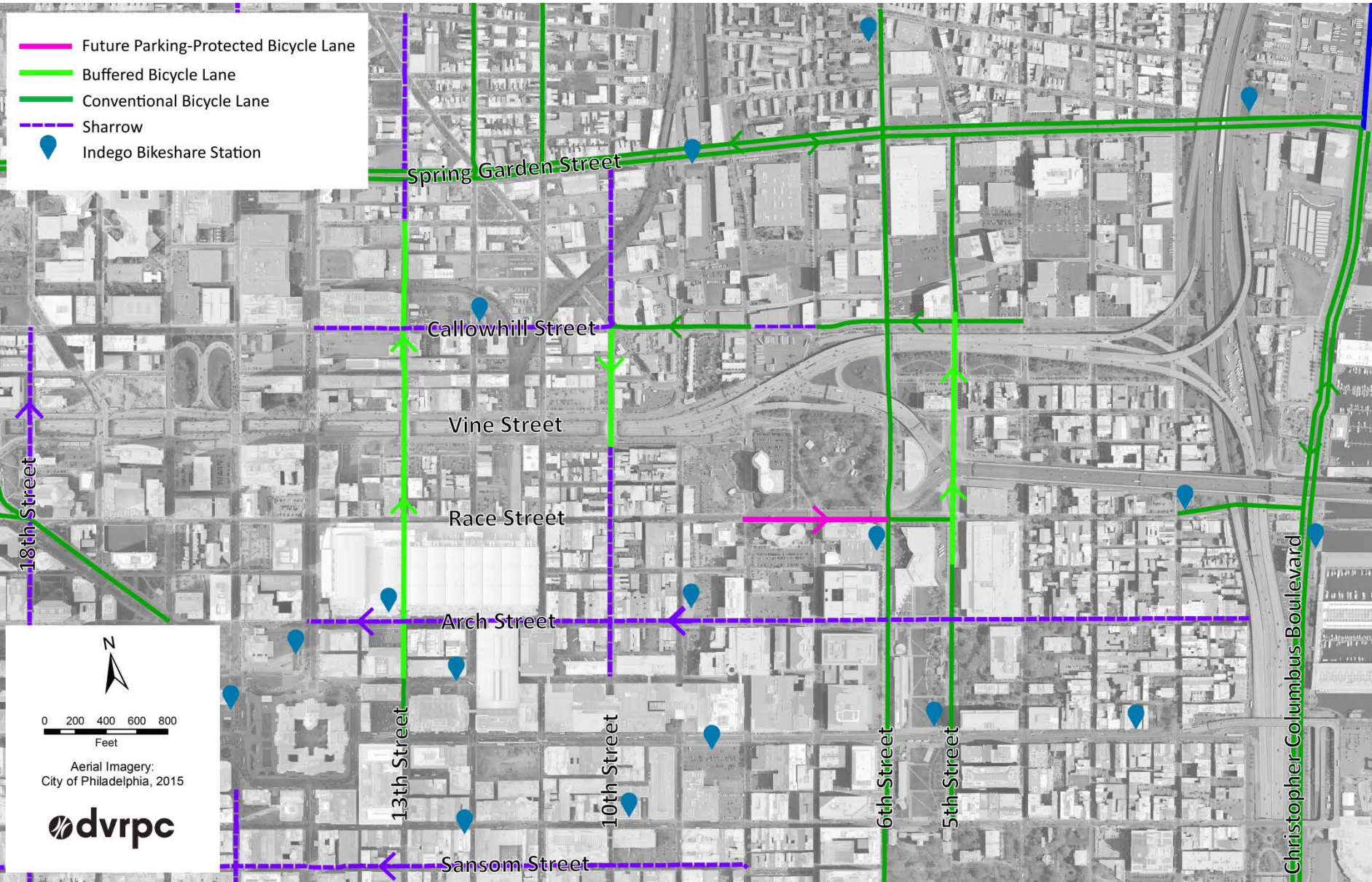



 0 50 100 150 200
 Feet
 Aerial Imagery:
 City of Philadelphia, 2015




- ADA non-compliant ramp
- eastbound brick wall
- #' sidewalk width (feet), meets Complete Streets guidelines
- #' sidewalk width (feet), does not meet Complete Streets guidelines





SEPTA Bus Route (local roads)

NJ Transit Bus Route

Combined Boardings and Alightings

SEPTA Bus Stops

NJ Transit Bus Stops

● 0 - 100

● 0 - 100

● 101 - 500

● 101 - 500

● Over 500

● Over 500

■ # Broad Street Line Station
(# of boardings and alightings)

2,573

207



0 100 200 300 400
Feet

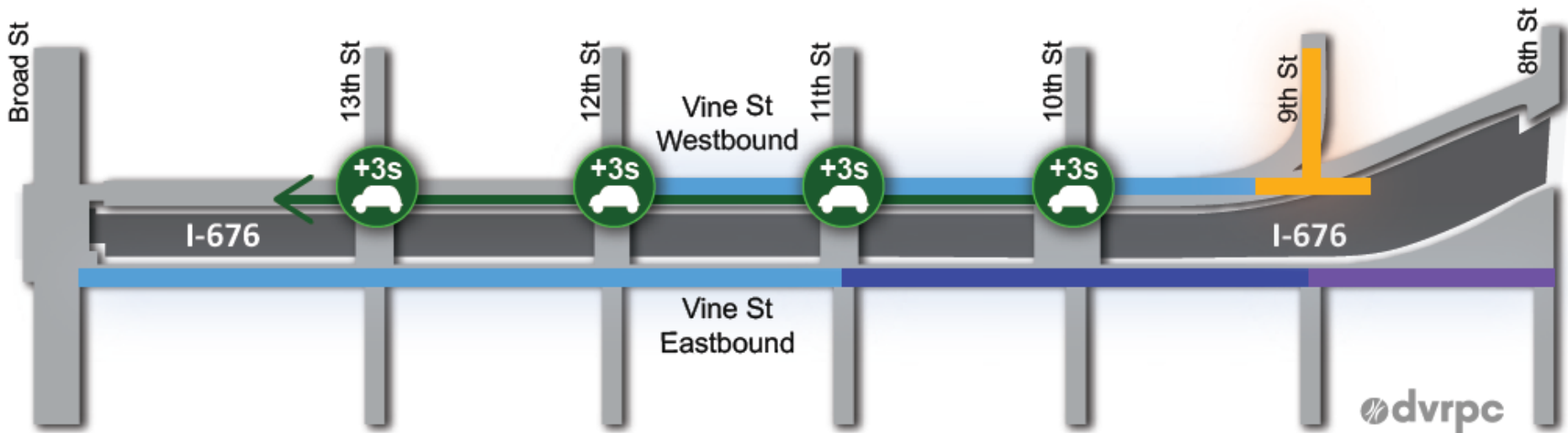
Aerial Imagery:
City of Philadelphia, 2015



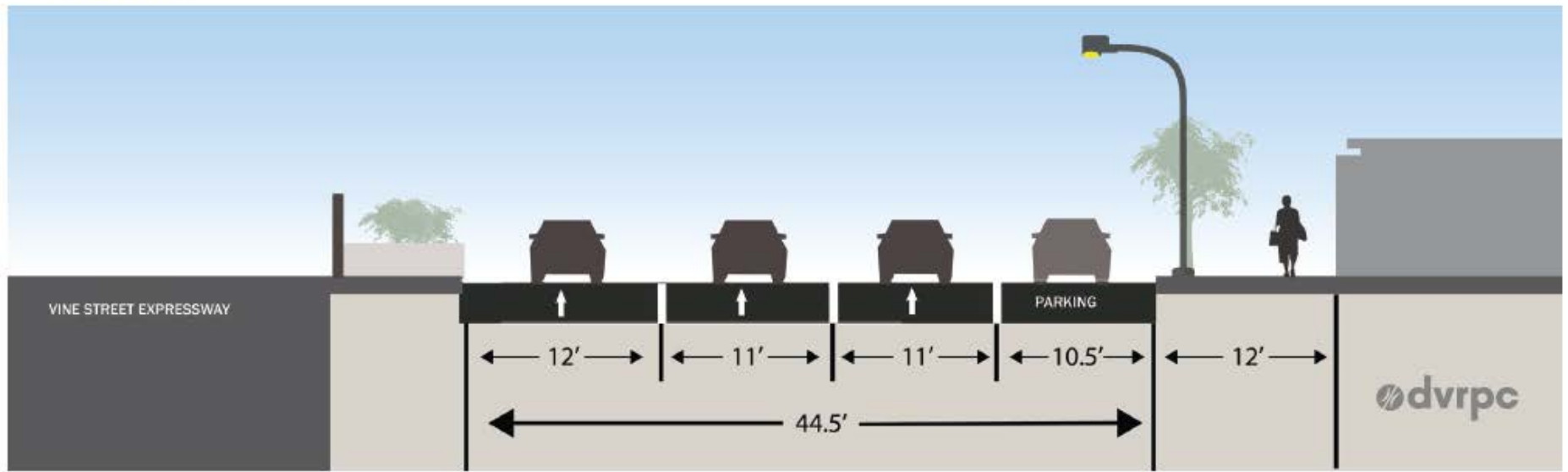
Transit Service

- Remove 1 of 3 Travel Lanes
- Maintain 2 Travel Lanes
- Remove 1 of 4 Travel Lanes

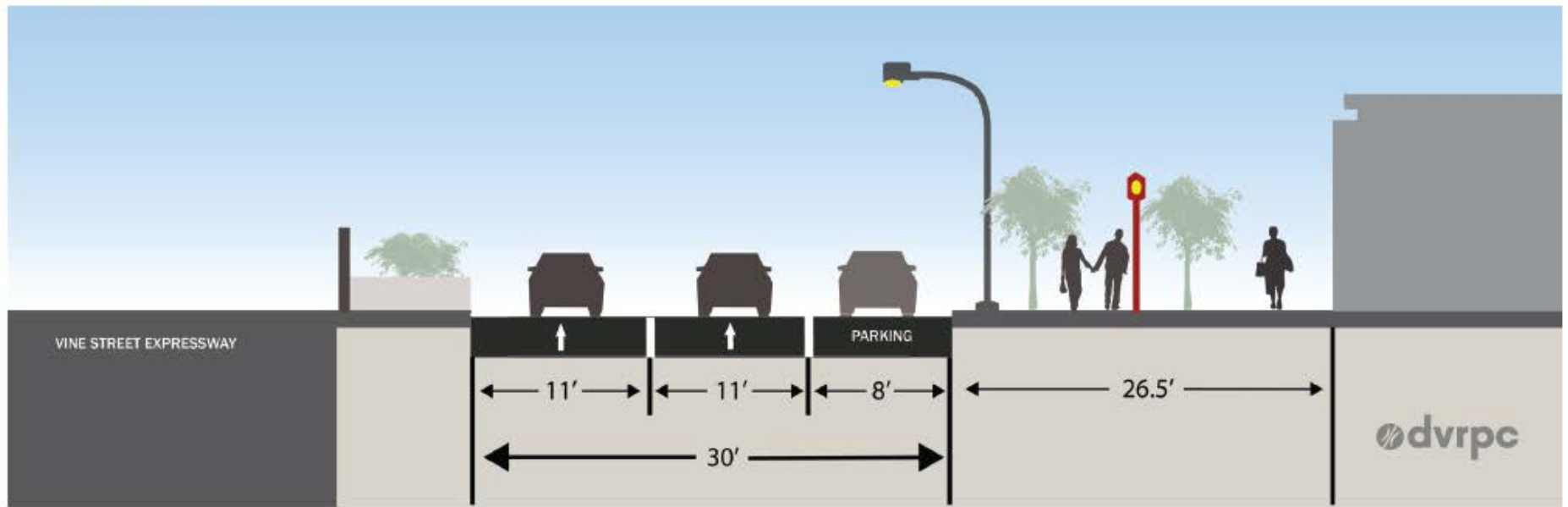
- +3s 3 Seconds Additional Green Time for Vehicles
- Signalized "T" Intersection



EXISTING

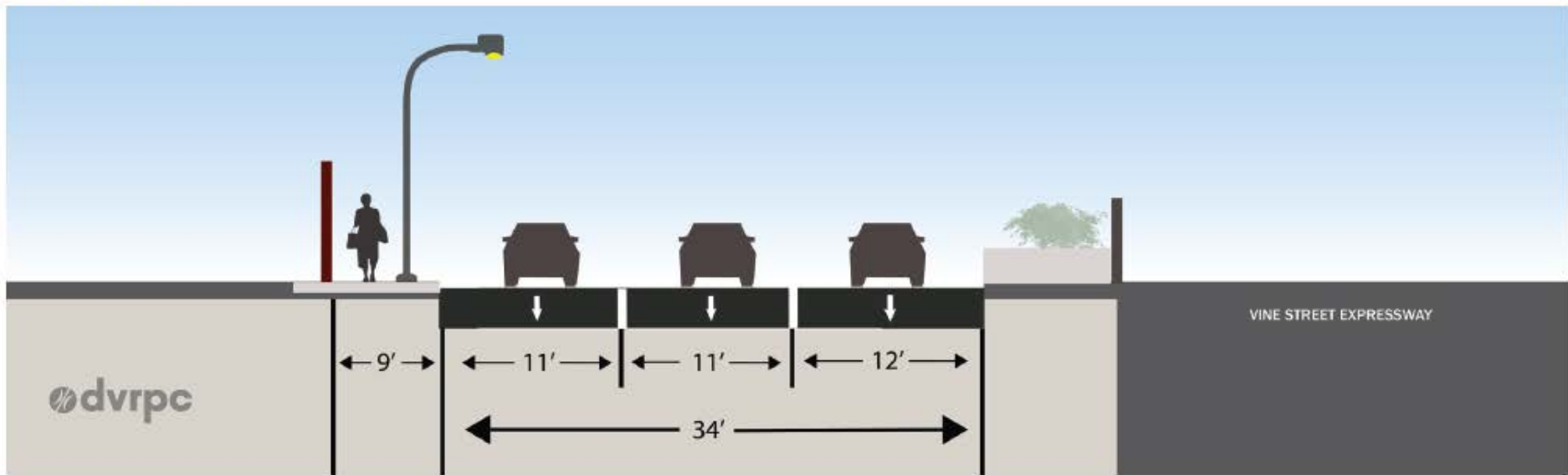


PROPOSED

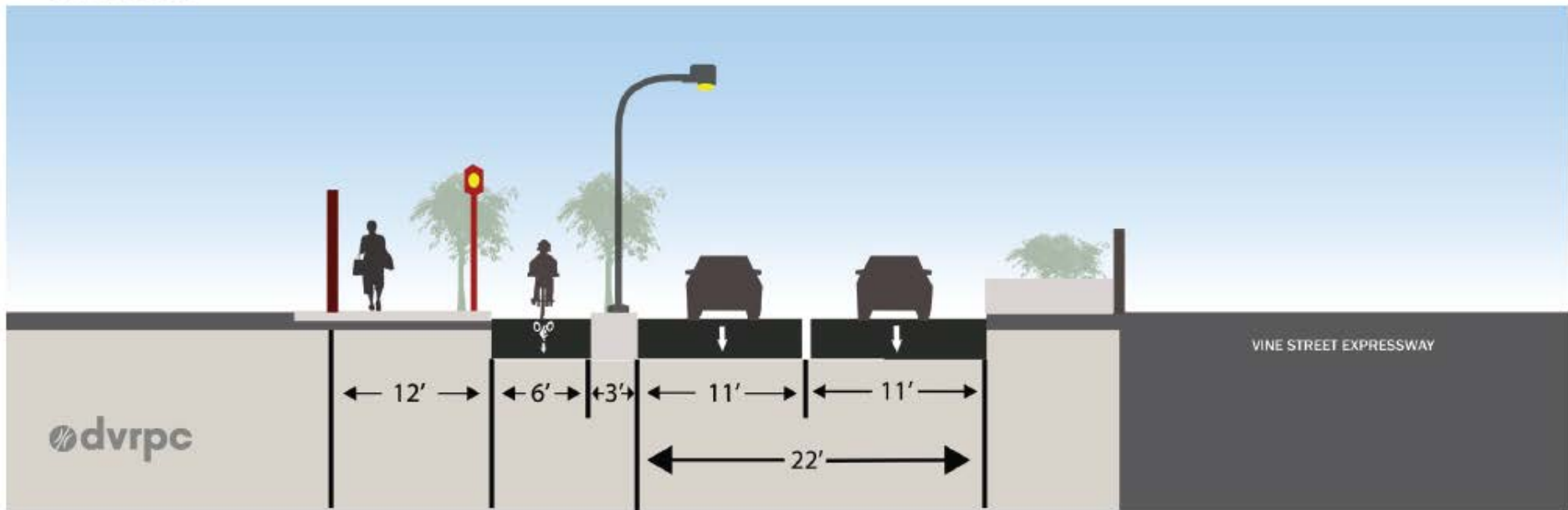


Vine Street westbound between 11th and 12th

EXISTING

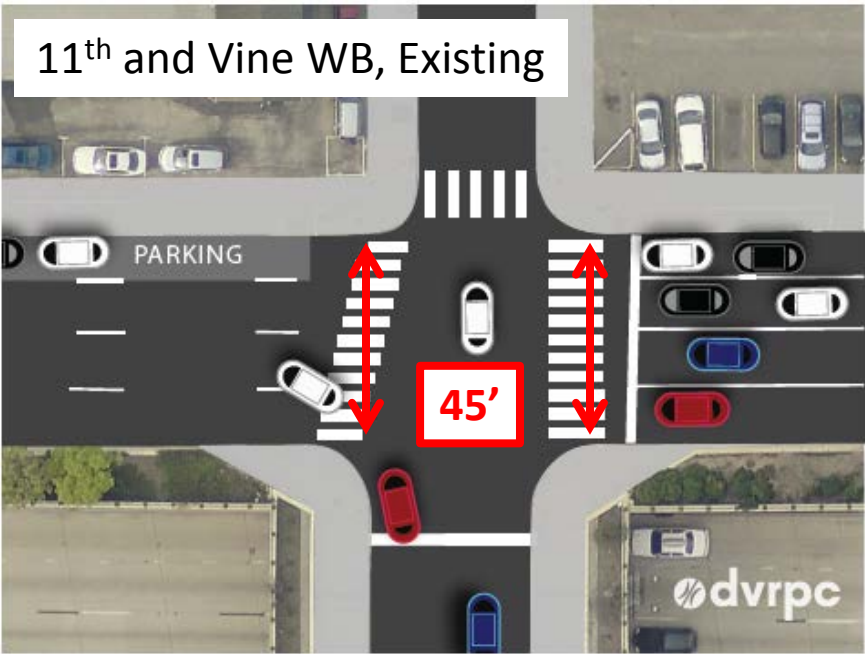


PROPOSED

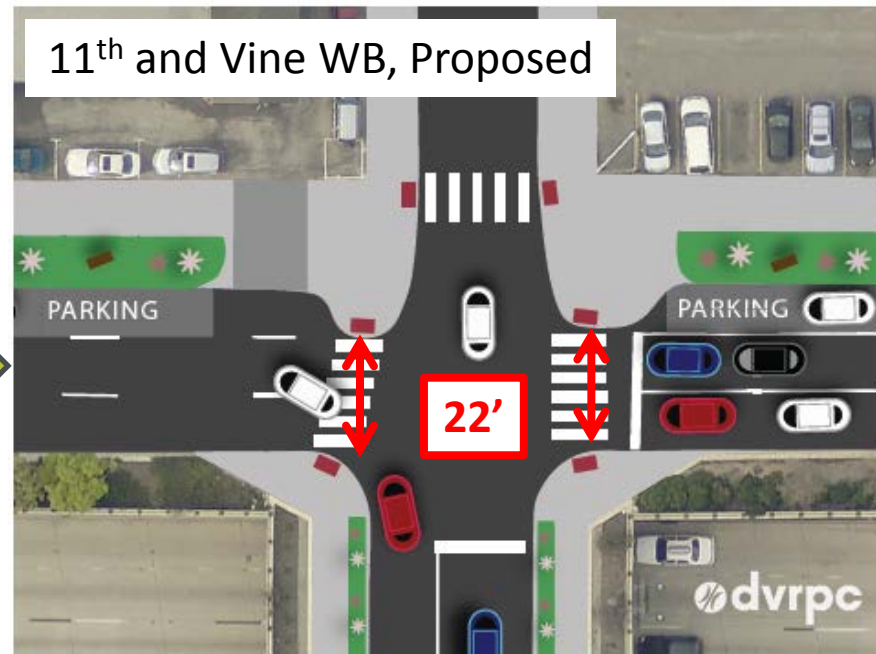


Vine Street eastbound between 10th and 9th

11th and Vine WB, Existing



11th and Vine WB, Proposed



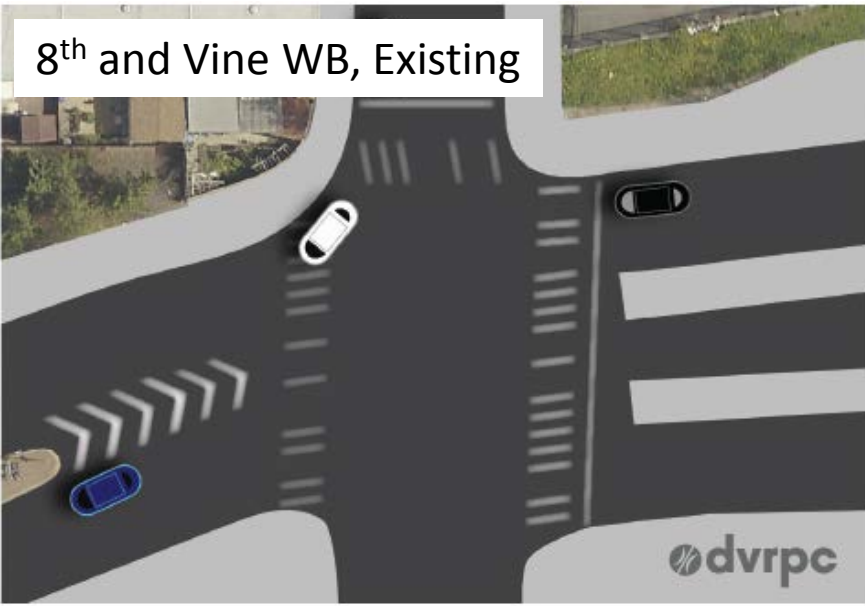
9th and Vine WB, Existing



9th and Vine WB, Proposed



8th and Vine WB, Existing



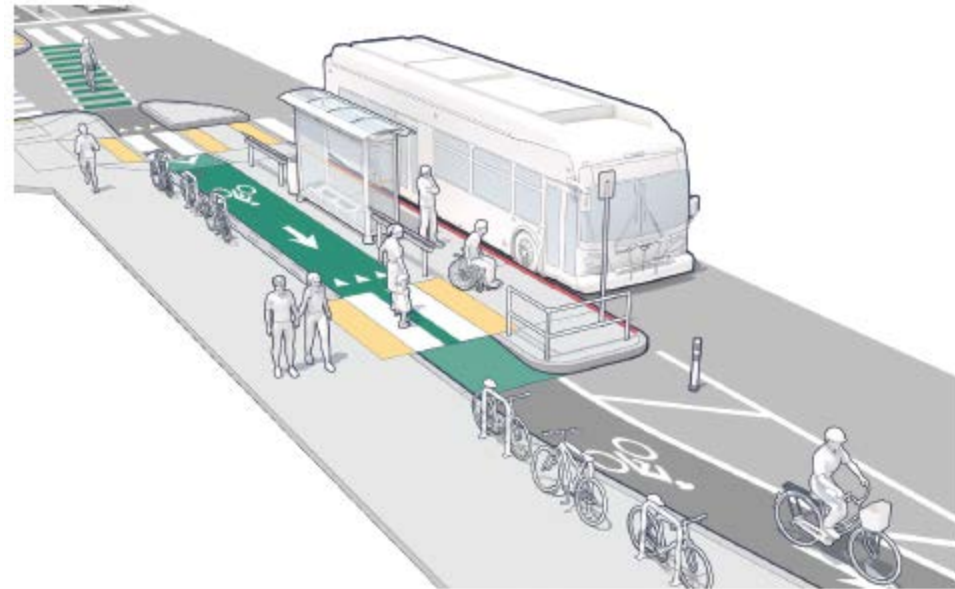
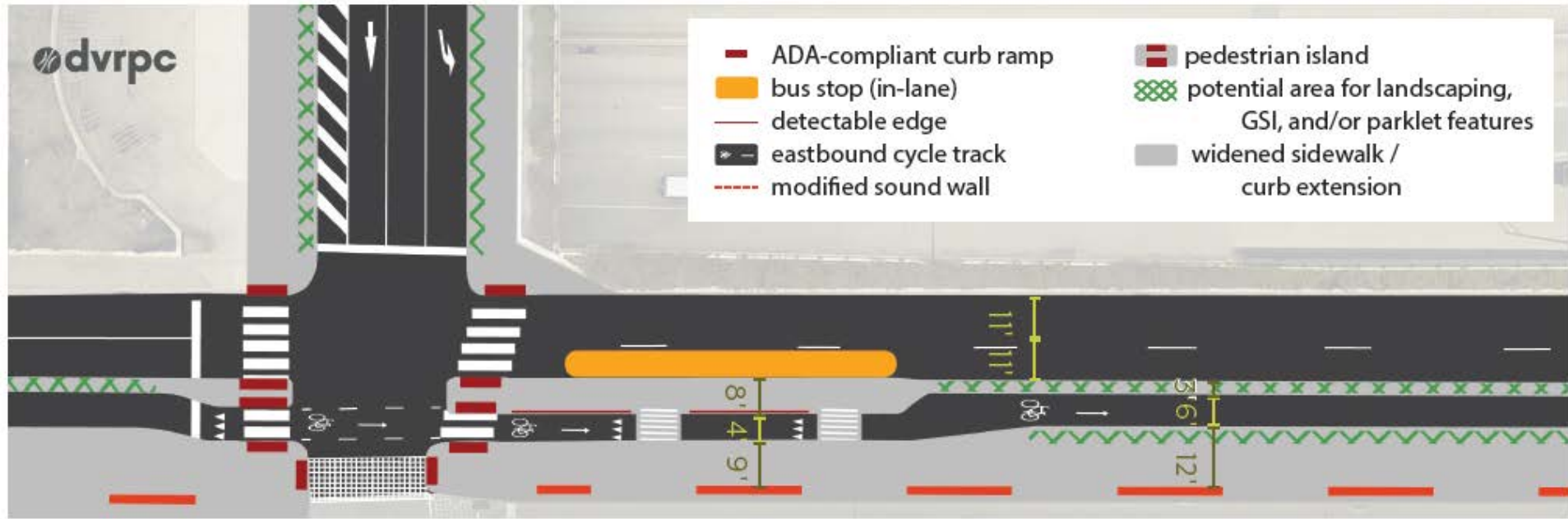
8th and Vine WB, Proposed



10th and Vine EB, Proposed



- ADA-compliant curb ramp
- bus stop (in-lane)
- detectable edge
- eastbound cycle track
- modified sound wall
- pedestrian island
- potential area for landscaping, GSI, and/or parklet features
- widened sidewalk / curb extension



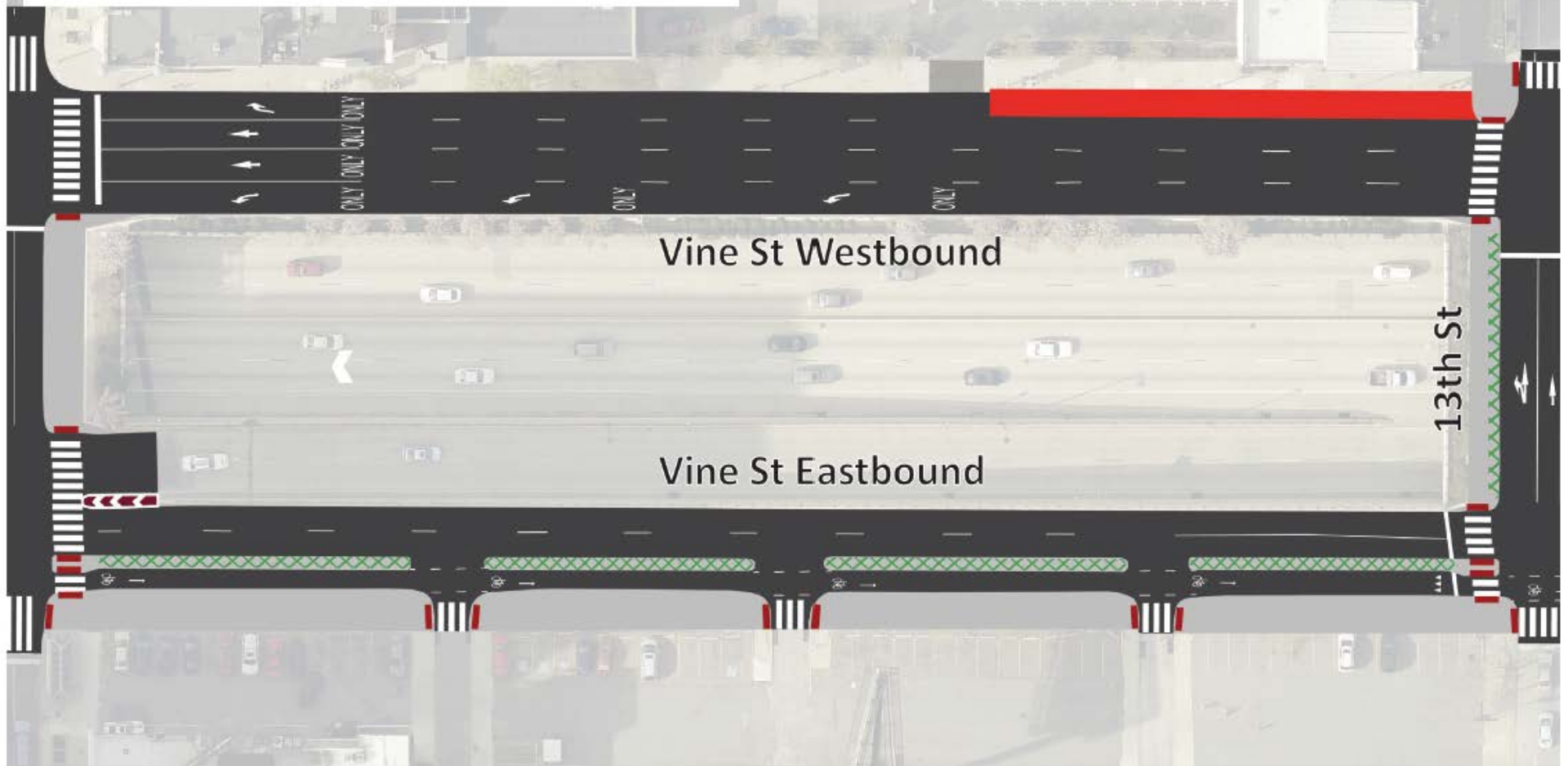
Multimodal Improvements

Source: AC Transit, Toole Design Group

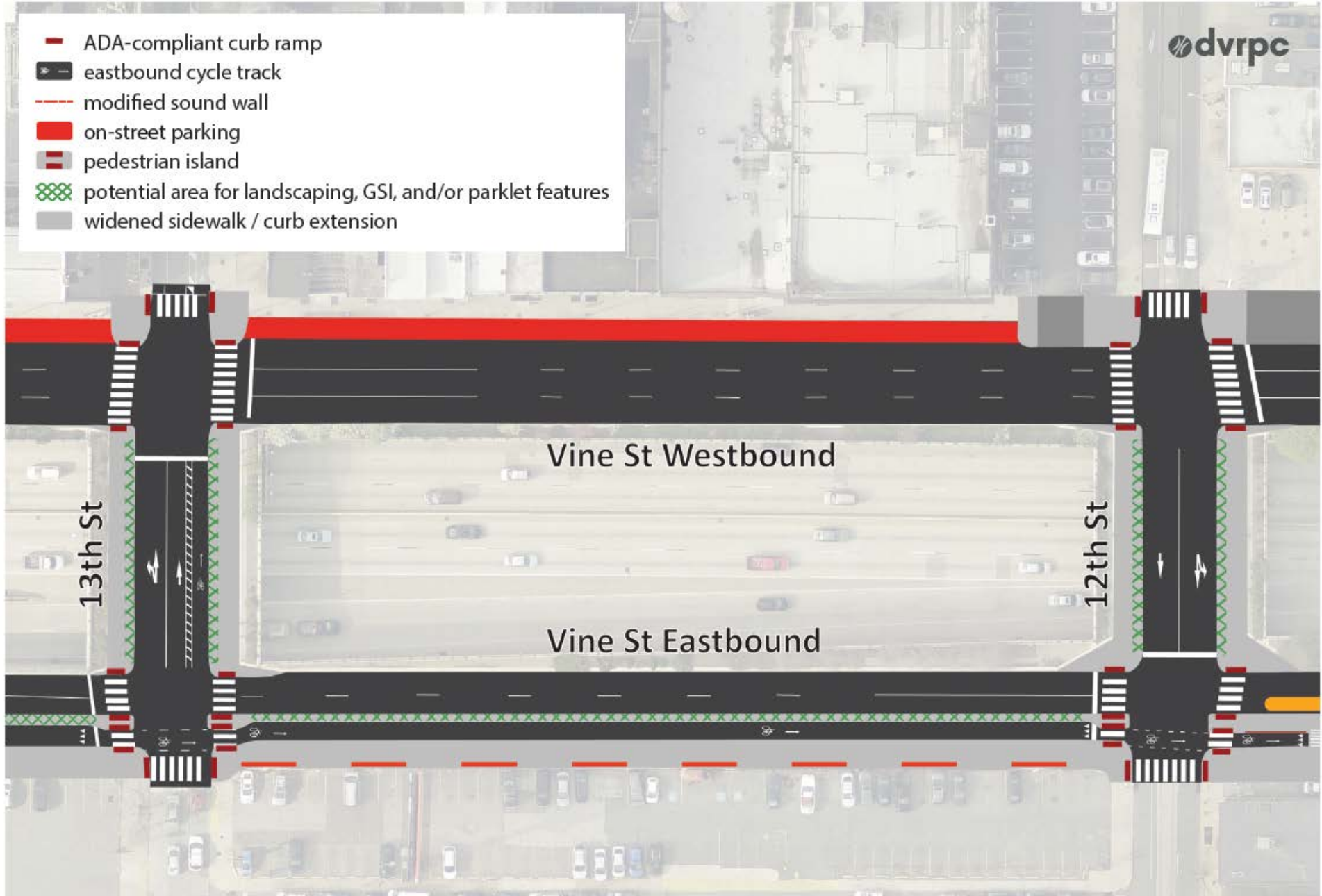


Final Design Concept

- ADA-compliant curb ramp
- eastbound cycle track
- mountable median
- on-street parking
- pedestrian island
- potential area for landscaping, GSI, and/or parklet features
- widened sidewalk / curb extension



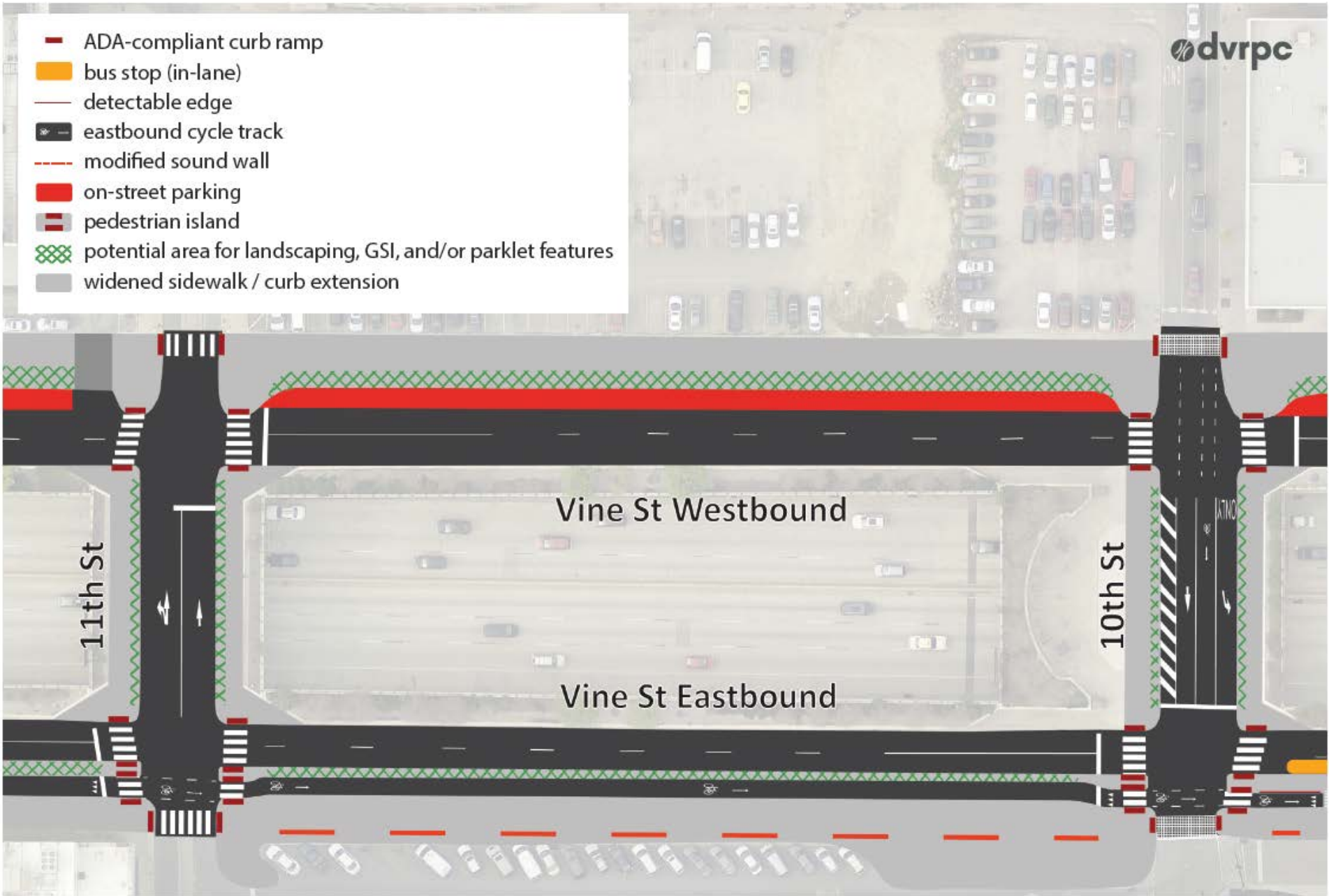
- ADA-compliant curb ramp
- eastbound cycle track
- - - modified sound wall
- on-street parking
- pedestrian island
- ▨ potential area for landscaping, GSI, and/or parklet features
- widened sidewalk / curb extension



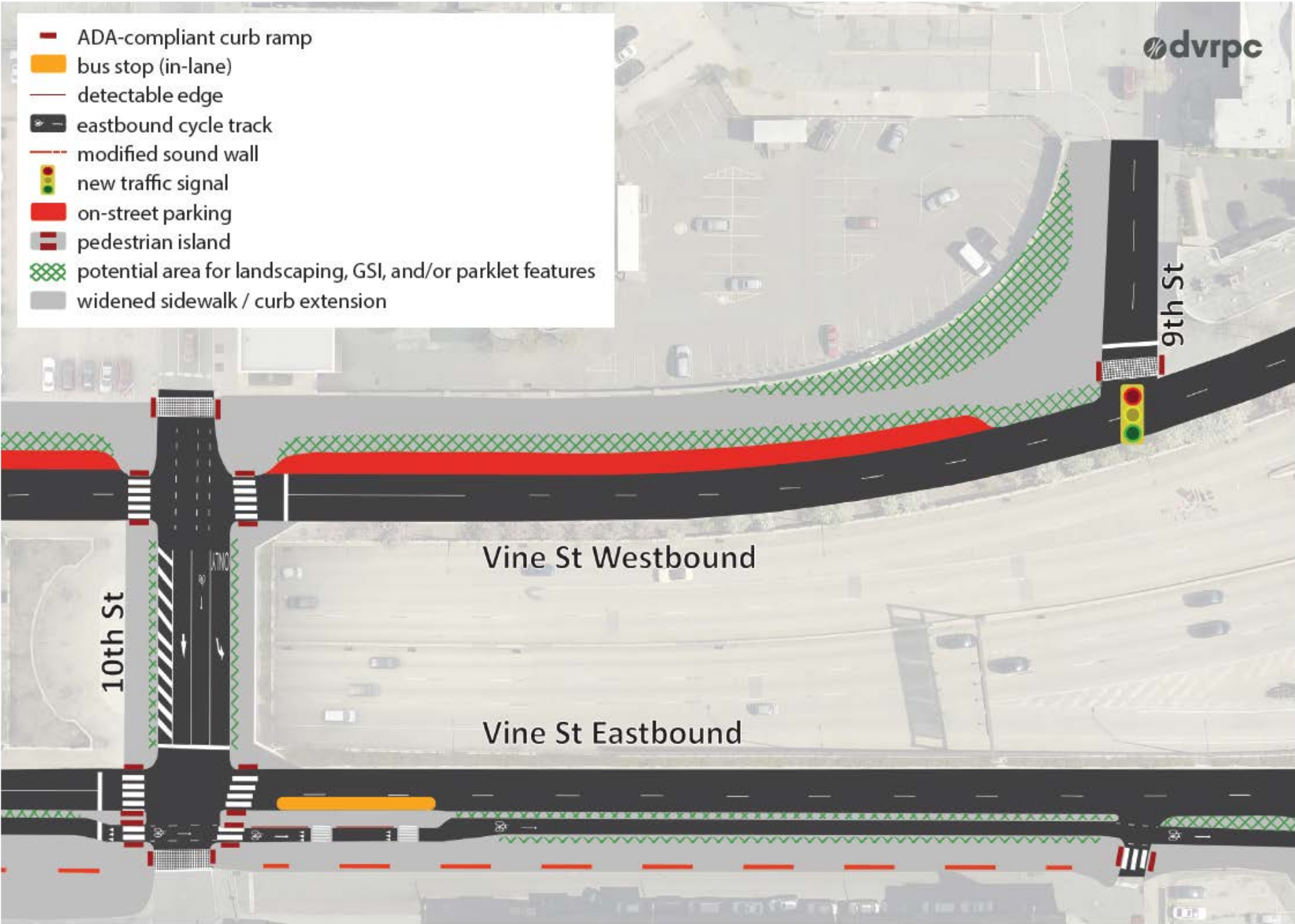
- ADA-compliant curb ramp
- bus stop (in-lane)
- detectable edge
- eastbound cycle track
- modified sound wall
- on-street parking
- pedestrian island
- potential area for landscaping, GSI, and/or parklet features
- widened sidewalk / curb extension



- ADA-compliant curb ramp
- bus stop (in-lane)
- detectable edge
- eastbound cycle track
- modified sound wall
- on-street parking
- pedestrian island
- potential area for landscaping, GSI, and/or parklet features
- widened sidewalk / curb extension



- ADA-compliant curb ramp
- bus stop (in-lane)
- detectable edge
- eastbound cycle track
- modified sound wall
- new traffic signal
- on-street parking
- pedestrian island
- potential area for landscaping, GSI, and/or parklet features
- widened sidewalk / curb extension



Vine St Westbound













Vine St Eastbound

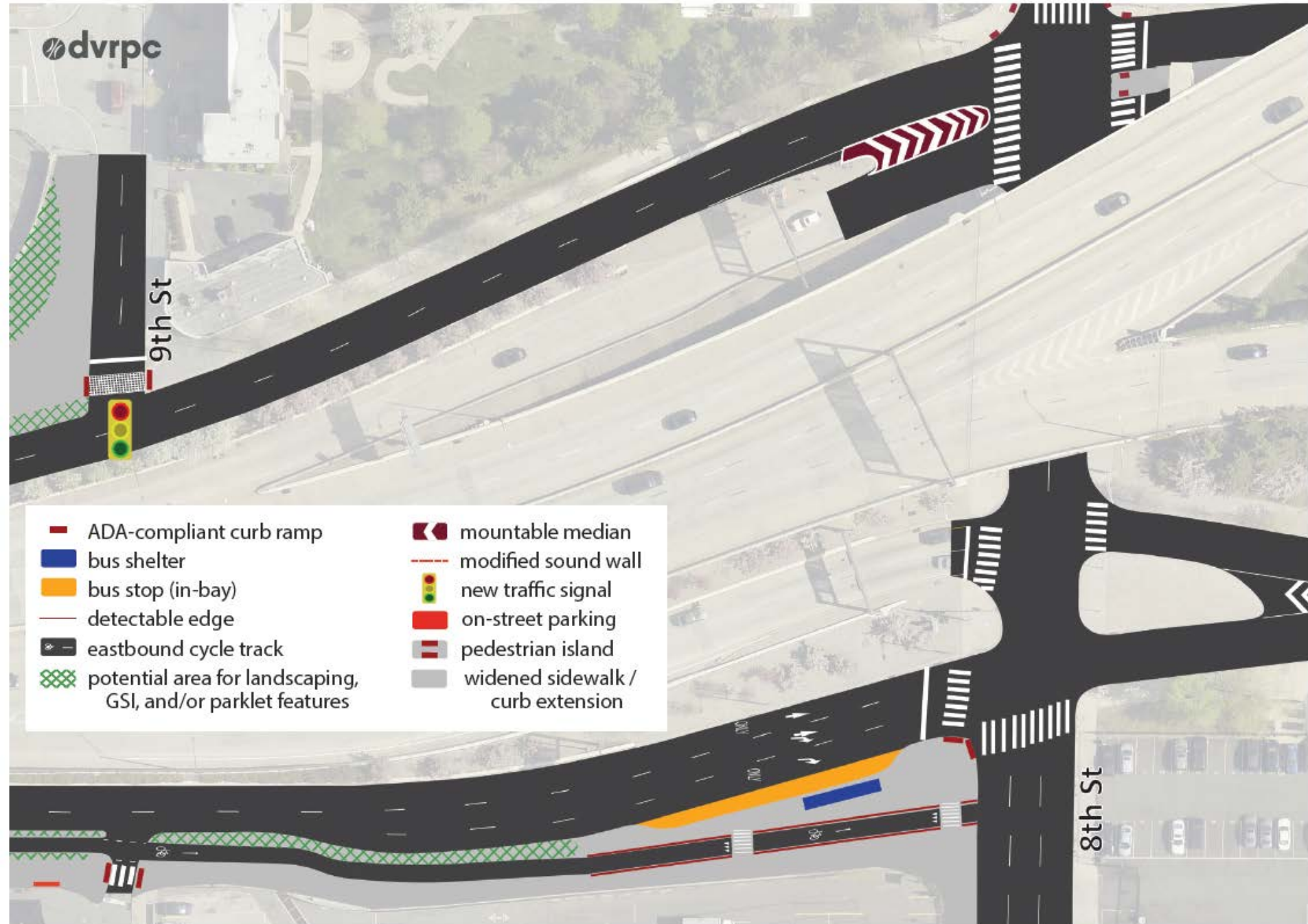
10th St

9th St

9th St

8th St

- | | |
|---|---|
|  ADA-compliant curb ramp |  mountable median |
|  bus shelter |  modified sound wall |
|  bus stop (in-bay) |  new traffic signal |
|  detectable edge |  on-street parking |
|  eastbound cycle track |  pedestrian island |
|  potential area for landscaping, GSI, and/or parklet features |  widened sidewalk / curb extension |



Final Report

- Implementation
 - Phasing, funding, and maintenance
- Improvement analysis
 - Vehicle LOS, bicycle, pedestrian, transit
- Public survey results



Questions?

Al Beatty

Transportation Planner
Office of Corridor Planning
Delaware Valley Regional Planning Commission
abeatty@dvrpc.org

<https://www.dvrpc.org/Corridors/Vine/>

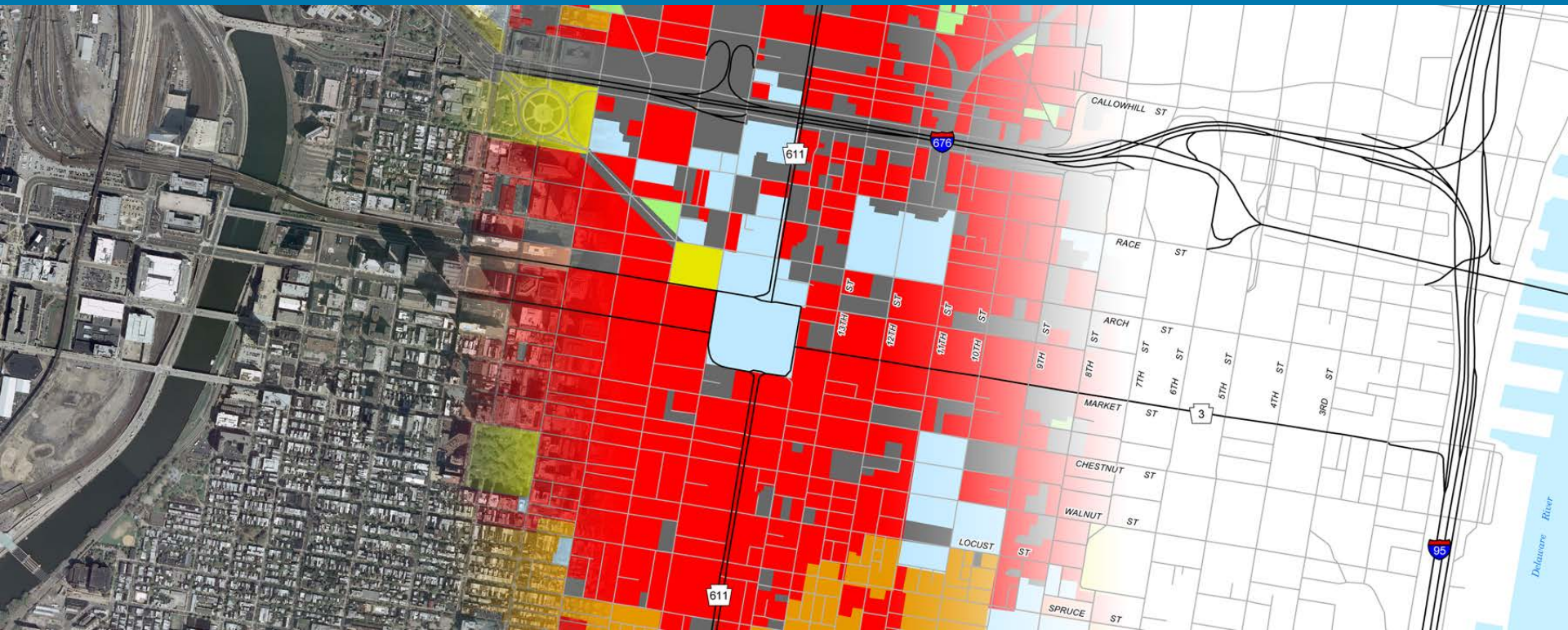
Project Team: David Anderson, Kwan Hui,
Meijun Liu, Karen Whitaker

ACKNOWLEDGMENTS

DVRPC would like to thank the following individuals for their contributions to the study:

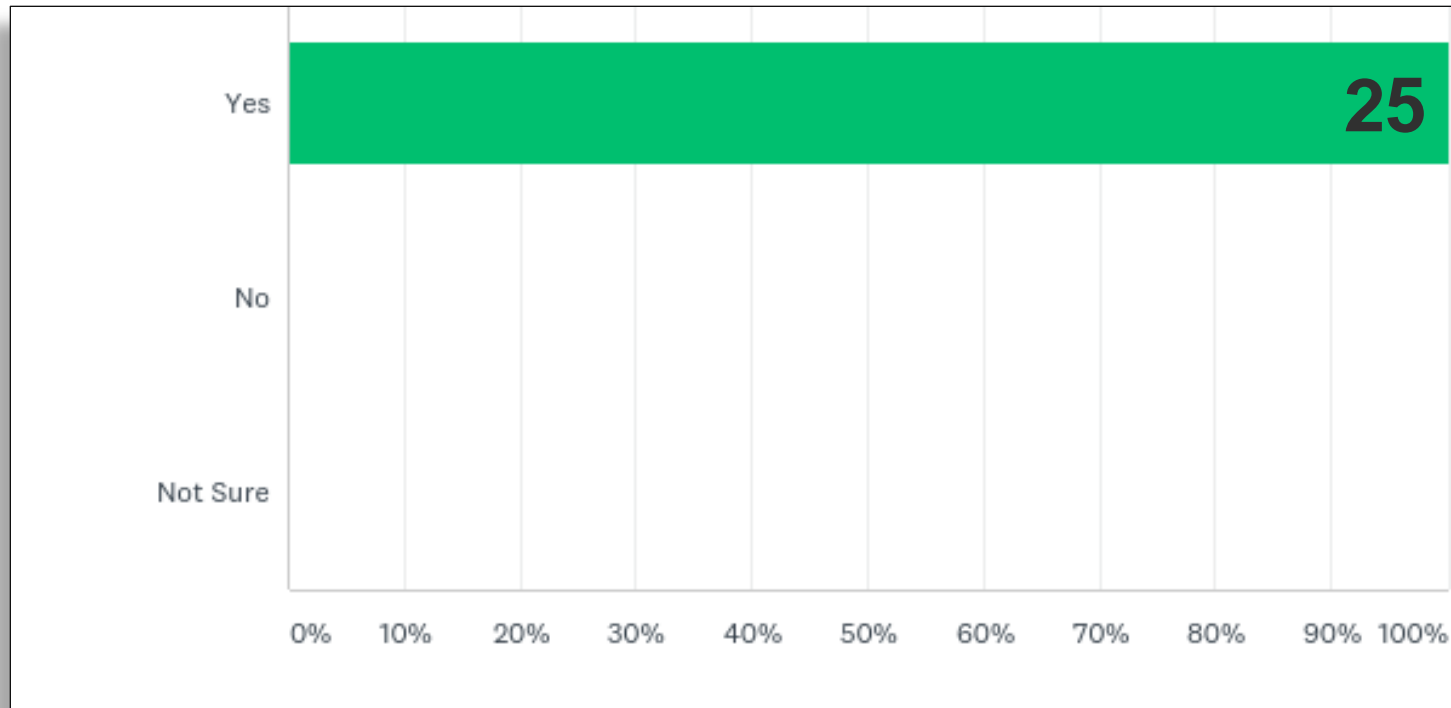
Kasim Ali, Philadelphia Streets Department
Ailin Cao, Philadelphia Chinatown Development Corporation
John Chin, Philadelphia Chinatown Development Corporation
Patrick Clark, Philadelphia Office of Transportation & Infrastructure Systems
Chuck Davies, Pennsylvania Department of Transportation
Angela Dixon, Philadelphia Office of Transportation & Infrastructure Systems
Darin Gatti, Philadelphia Streets Department
David Kanthor, Philadelphia City Planning Commission
Ian Litwin, Philadelphia City Planning Commission
Smitha Mathew, Philadelphia Streets Department
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Matthew Slotman, New Jersey Transit
Dallas Teng, Philadelphia Chinatown Development Corporation
Kelley Yemen, Philadelphia Office of Transportation & Infrastructure Systems
Sarah Yeung, Philadelphia Chinatown Development Corporation

DVRPC Aerial Imagery Survey Results



Do you or others in your organization use aerial imagery?

Answered: 25 Skipped: 0

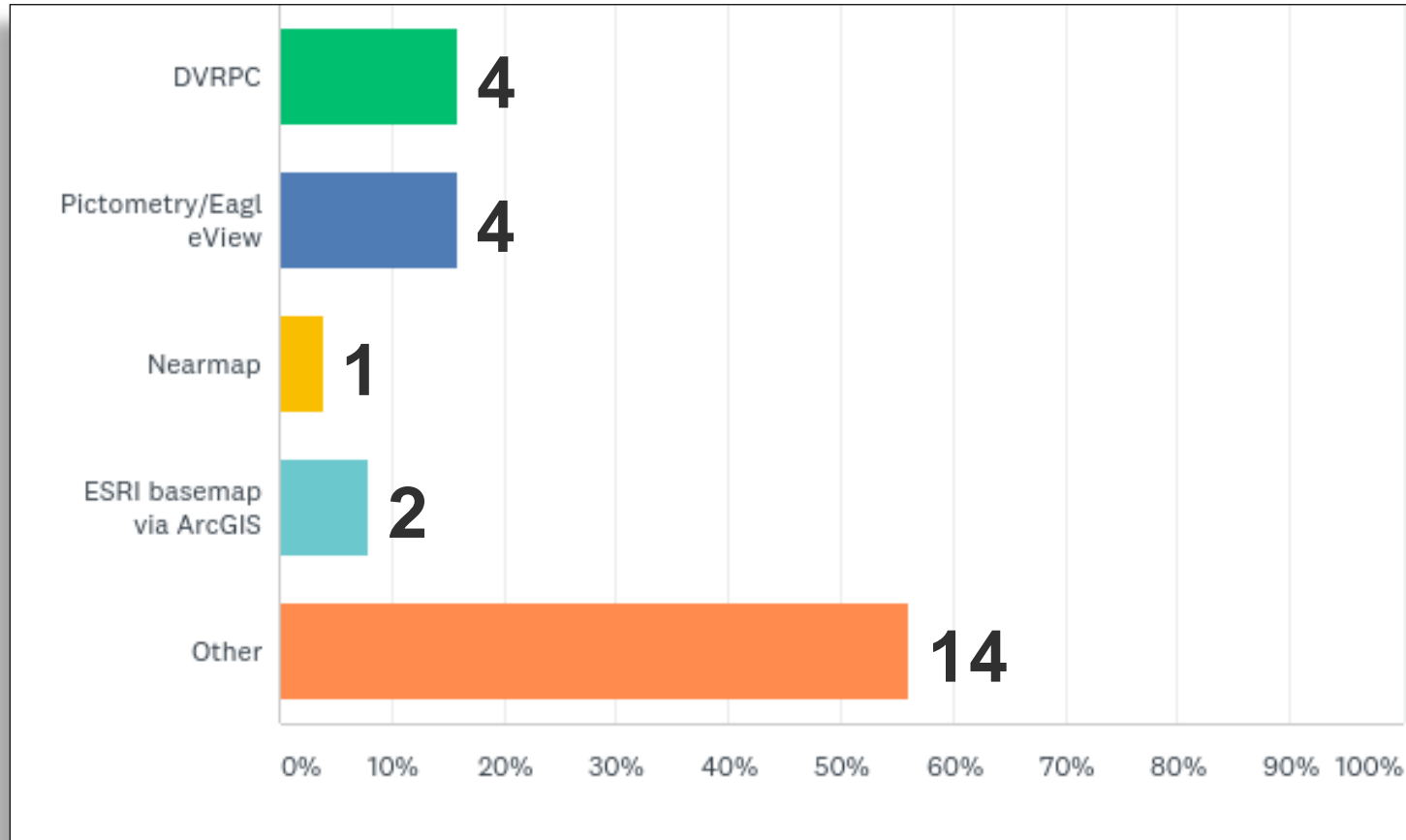


Used for project planning & mapping, GIS data development, emergency management, research, site investigations, presentations, etc.

What is the source of your aerial imagery?

If you use a combination of DVRPC's and one of the other imagery sources shown, or if your source isn't listed, please indicate by selecting "Other":

Answered: 25 Skipped: 0



Combination of DVRPC/Pictometry/ESRI; Google/Bing Maps; Cyclomedia; Consultant-provided imagery

What options for aerial imagery are being considered? Who are potential partners?

Aerial Imagery Options:

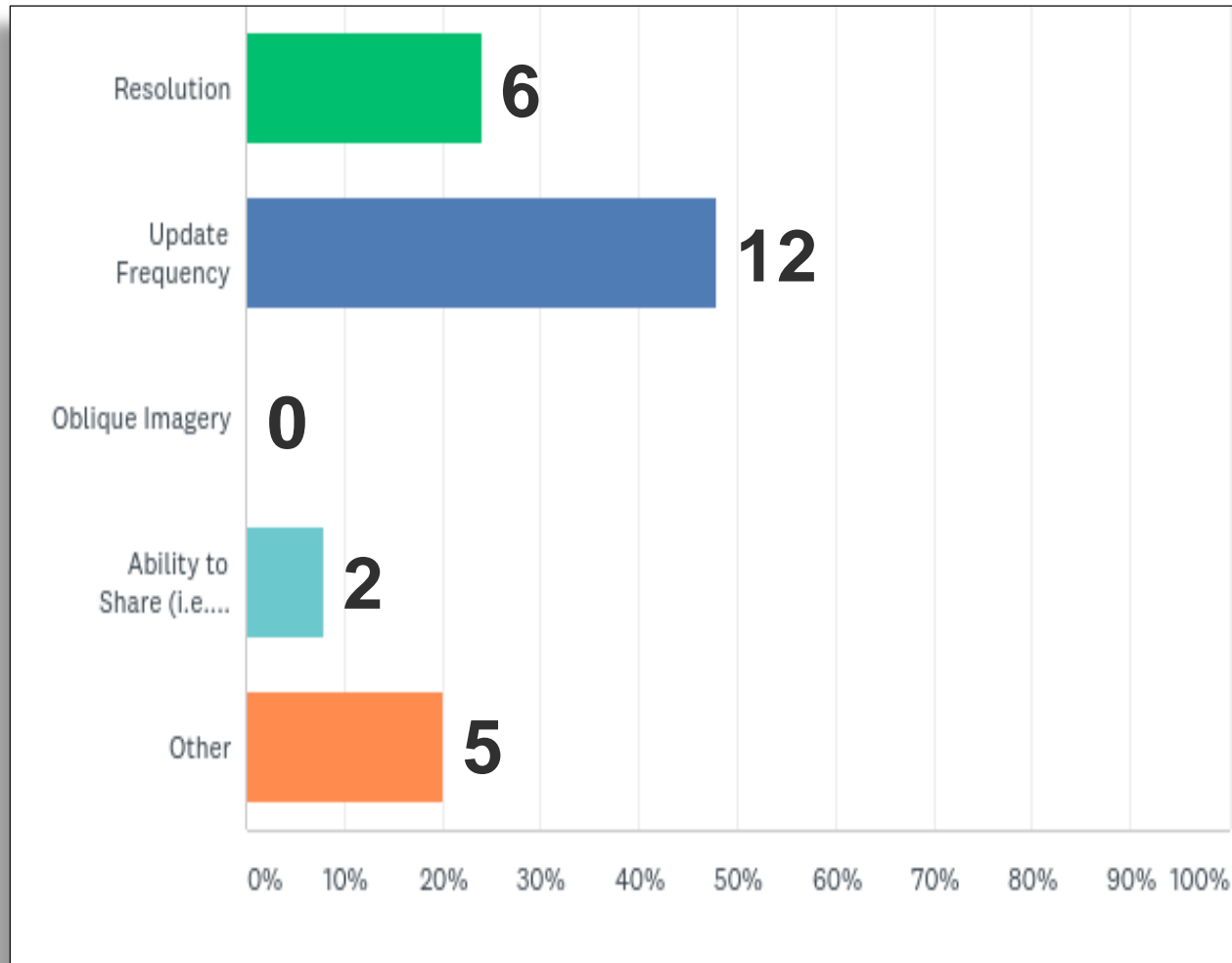
- DVRPC traditional (6" pixel resolution)
- Pictometry/Eagleview
- Nearmap
- DigitalGlobe (satellite imagery)

Potential Partners:

- U.S. Geological Survey (USGS)
- State of New Jersey
- Pennsylvania Emergency Management Agency (PEMA)
- Southeastern Pennsylvania Regional Task Force
- Counties (for buy-ups)

What characteristics of aerial imagery products, DVRPC's or otherwise, are most important to you?

Answered: 25 Skipped: 0



Cost aside, what types of ancillary products would you like to have to go along with your aerial imagery?

Answered: 24 Skipped: 1

