

# WELCOME

# 歡迎

## Vine Street Corridor Safety Improvements

# Public Meeting

## 藤街走廊安全改進 公開會議

OCTOBER 2, 2024

2024 年 10 月 2 日



# CAPTIONS / SUBTITLES

字幕/副標

The screenshot shows a Zoom meeting window titled 'Live Event Test Run'. The main content is a blue slide with the text 'WELCOME', 'Vine Street Corridor Safety Improvements', and 'Public Meeting'. The Chinese character '起' is visible in the top right corner of the window. A settings menu is open in the bottom right corner, with 'Captions / Subtitles' highlighted in an orange oval. A yellow circle highlights the gear icon in the bottom right corner of the Zoom window, with an arrow pointing to a larger inset showing the gear icon circled in green.

## STEPS TO TURN ON CC

- 1- Click Gear Symbol
- 2- Click on Captions/Subtitles
- 3- Select Language

## 開啟步驟

- 1- 單擊齒輪符號
- 2- 點擊字幕/副標題
- 3- 選擇語言

The screenshot shows the 'Captions / Subtitles' menu. The 'Off' option is selected with a checkmark. Other options listed are English, 中文简体, 中文香港, 中文繁體, 日本語, 한국어, and Español.

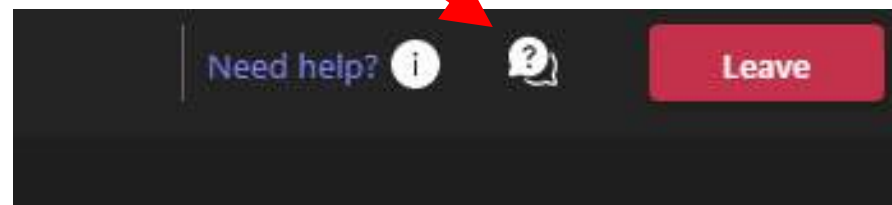


# QUESTIONS?

# 問題？

Questions can be submitted by clicking on the Q&A feature located at the top of your screen

可以透過點擊螢幕頂部的問答功能來提交問題



Please note the slide number in your question

請記下您問題中的投影片編號



# INTRODUCTIONS



- Nathan Parrish, P.E., Consultant Project Manager



- Michael P. Mastaglio, P.E., PTOE, Project Manager



- Andrew Gould, P.E., Project Engineer



# AGENDA

Project Selection & Overview

Existing Conditions & Project Timeline

Project Purpose and Need

Safety Improvements

Proposed Design

Project Schedule

Questions



# PROJECT SELECTION

## Highway Safety Improvement Program (HSIP)

- Achieve a significant reduction in traffic fatalities and serious injuries
- Requires a data-driven, strategic approach to improving highway safety with a focus on performance



U.S. Department of Transportation  
Federal Highway Administration

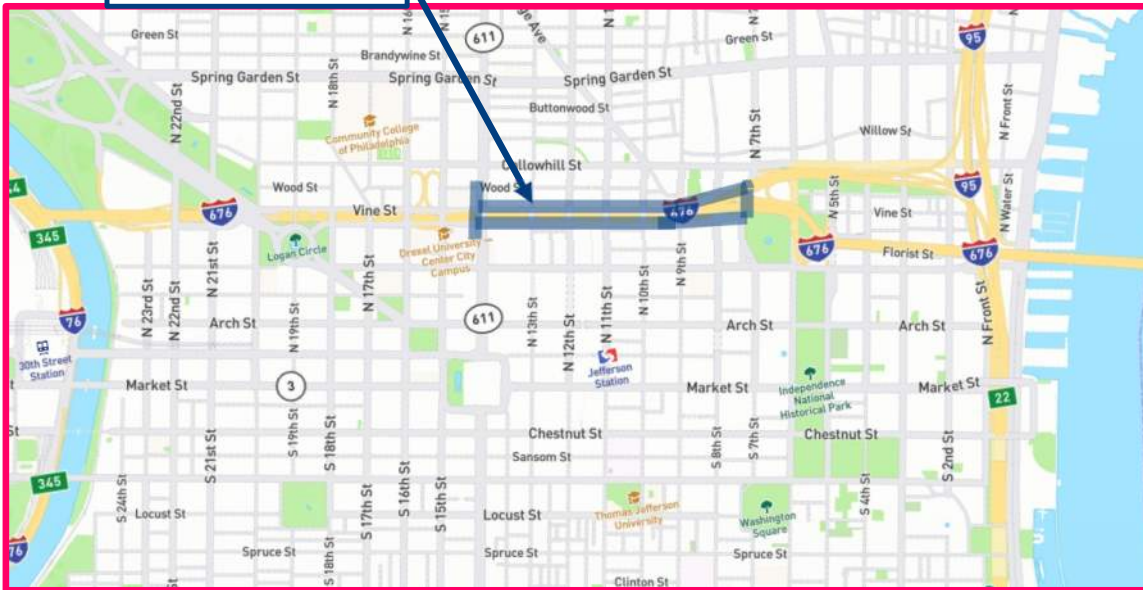


Highway Safety Improvement Program  
*Data Driven Decisions*



# PROJECT OVERVIEW

Project Location

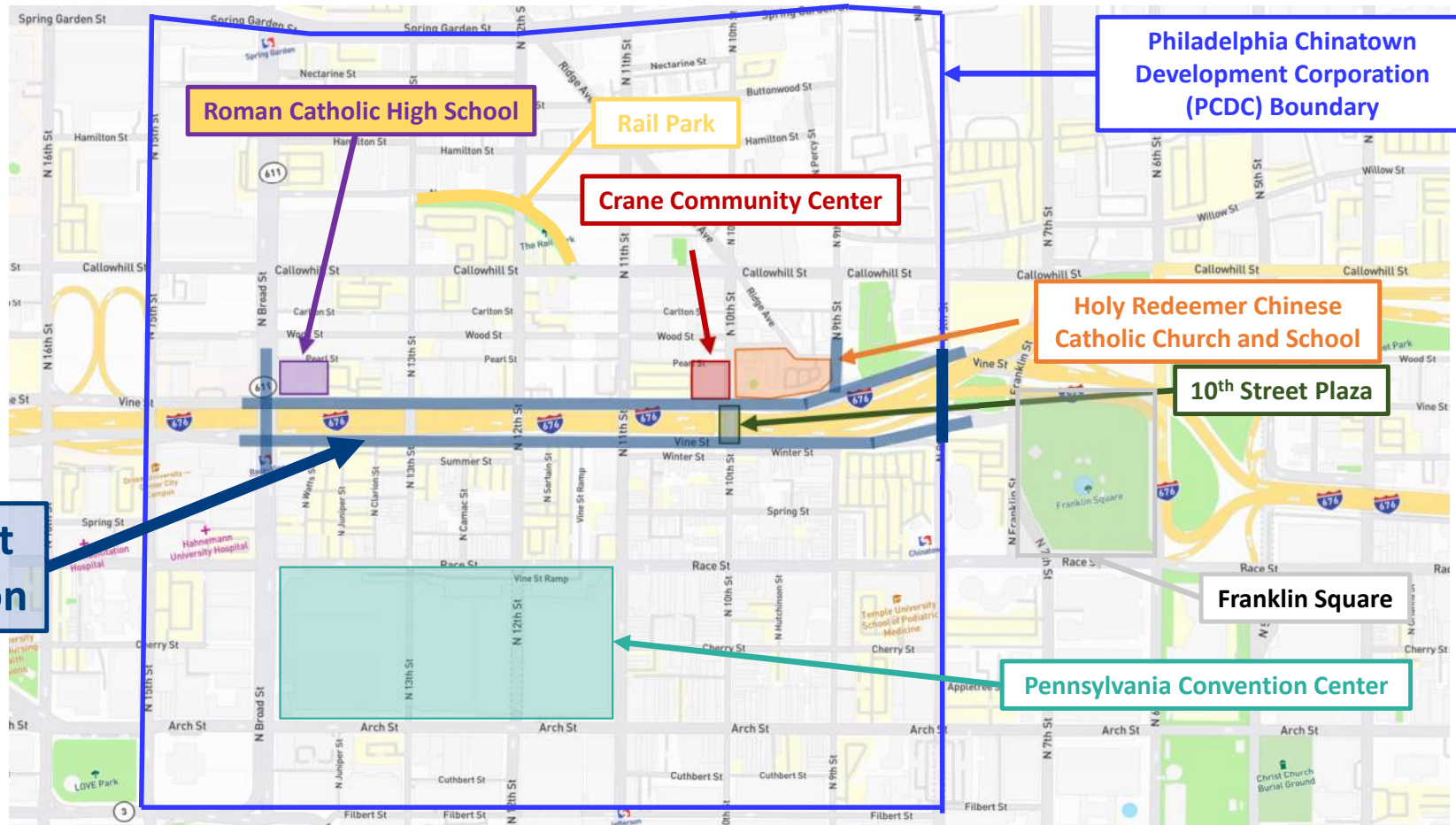


TRICT 6-0





# COMMUNITY CONTEXT



**Project Location**

**Philadelphia Chinatown Development Corporation (PCDC) Boundary**

**Roman Catholic High School**

**Rail Park**

**Crane Community Center**

**Holy Redeemer Chinese Catholic Church and School**

**10th Street Plaza**

**Franklin Square**

**Pennsylvania Convention Center**





# COMMUNITY CONTEXT

Pennsylvania Convention Center

10<sup>th</sup> Street Plaza

Roman Catholic High School

Crane Community Center

Holy Redeemer Chinese Catholic Church and School

Project Location



# EXISTING CONDITIONS



Travel  
Lane

Travel  
Lane

Travel  
Lane

Parking

Image provided by Google

Vine Street westbound  
looking toward 10<sup>th</sup> Street





# EXISTING CONDITIONS



Travel  
Lane

Travel  
Lane

Travel  
Lane

Image provided by Google

Vine Street eastbound  
looking toward 12<sup>th</sup> Street



# PROJECT TIMELINE



October: Chinatown Neighborhood Plan Released

December: Chinatown Connections Report Released



September: HSIP application submitted

2016

2017

2018

2019

2020

USDOT Every Place Counts Design Challenge



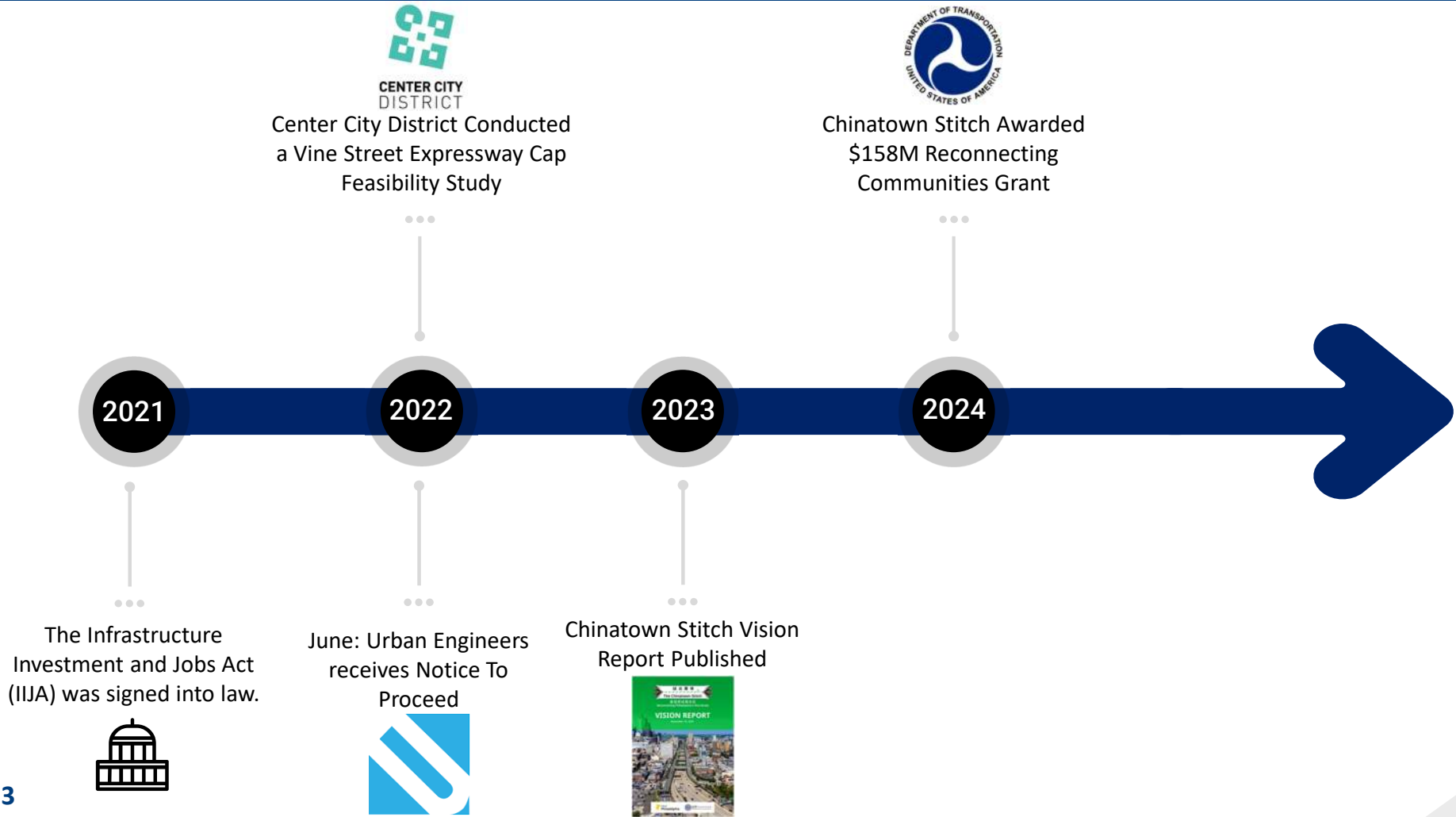
February: Kickoff Meeting  
April: Open House  
September: Report Released

DVRPC Reviving Vine Report

Spring: PennDOT receives funding



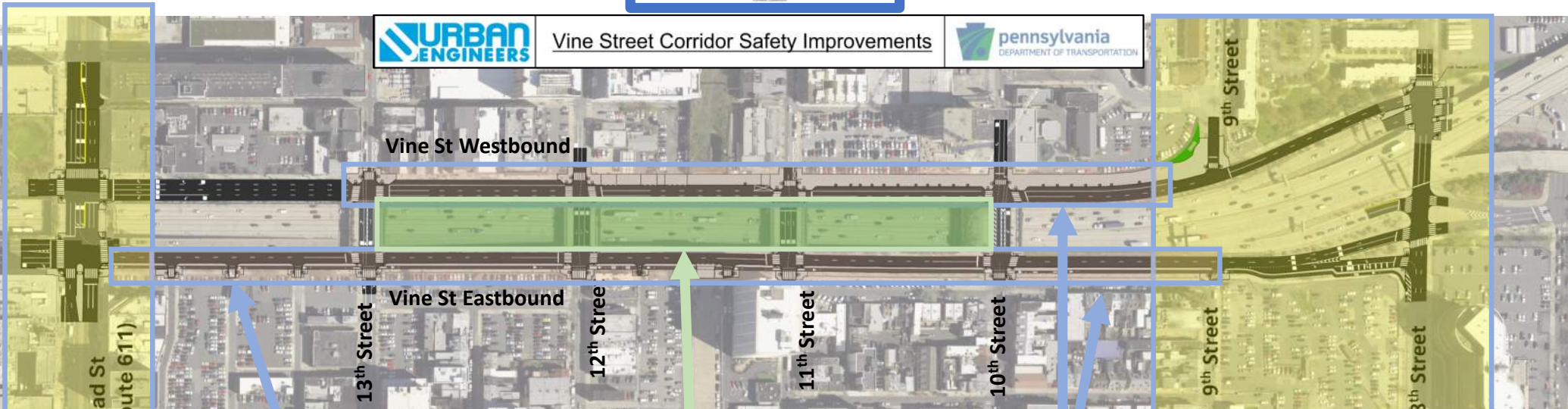
# PROJECT TIMELINE



# PENNDOT PROJECT & CHINATOWN STITCH



Vine Street Corridor Safety Improvements



(City of Phila) Chinatown STITCH Project

(PennDOT) Interim improvements until STITCH Project

(PennDOT) Complete Reviving Vine Study Proposed work





# PROJECT PURPOSE AND NEED

## Purpose

The purpose of this project is to reduce the number and severity of potential crashes along the corridor and to improve safety for pedestrians at the signalized intersections.





# PROJECT PURPOSE AND NEED

## Need

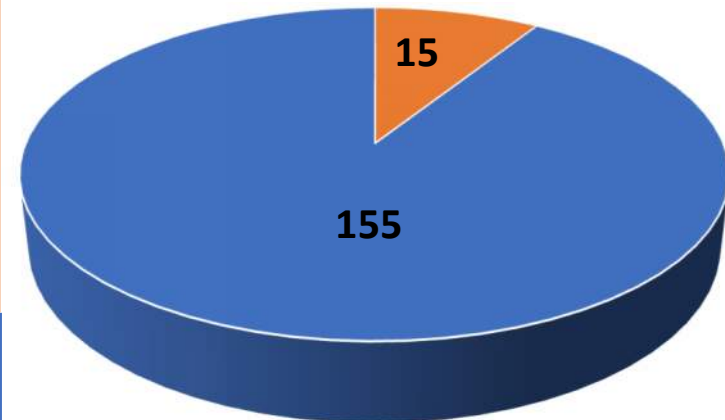
- 170 reportable crashes between 2018 and 2022.



- Pedestrians/Non Vehicular = **9%**
  - 2023 state average = 2.9% → account for 15.4% of all traffic crash fatalities

- Vehicular - **71%** of total had fatal/injury
  - 2023 state average = 45% → fatal/injury

## Crash Data

**170** Total Crashes (2018-2022)



-  Pedestrian involved
-  Vehicular



# SAFETY IMPROVEMENTS

- Road Diet
- Delineated Bumpouts and added refuge islands
- Eastbound Bike Lane
- Signal Upgrades
  - Pedestrian Countdown Timers
  - Leading Pedestrian Intervals (LPIs)
  - Retroreflective Backplates
- Dual southbound left turn lanes at Broad/Vine
- Enhanced Pavement Markings (green bike/red bus)



# SAFETY IMPROVEMENTS – ROAD DIETS

## Benefits of Road Diet installations may include:

- Fewer lanes for pedestrians to cross
- Opportunity to install pedestrian refuge islands, bicycle lanes, on-street parking, or transit stops
- Traffic calming and more consistent speeds
- A more community-focused, Complete Streets environment that better accommodates the needs of all road users



Source: FHWA



# SAFETY IMPROVEMENTS

## Signal Upgrades



**Accessible Pedestrian Signal  
(APS) Push Button  
(Broad, 9<sup>th</sup>, 8<sup>th</sup> Street)**



**Pedestrian Countdown Timer  
(all intersections)**



**Retroreflective Backplates  
(all intersections)**



# SAFETY IMPROVEMENTS

## Bike Lanes and Pavement Markings

Bike Lane Markings (Green)



Image provided by Urban  
Photo taken on Vine Street @ 10<sup>th</sup> Street

Buffered Bike Lane

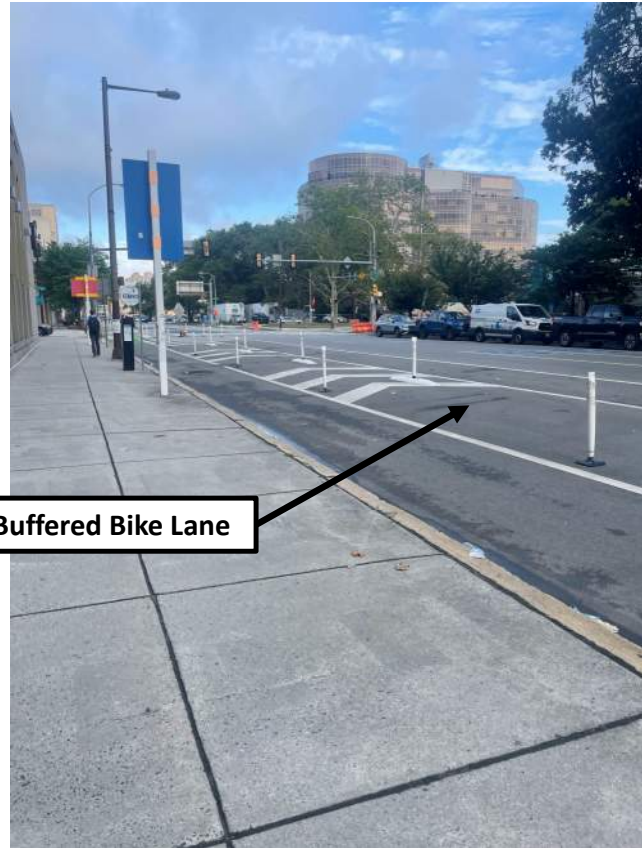


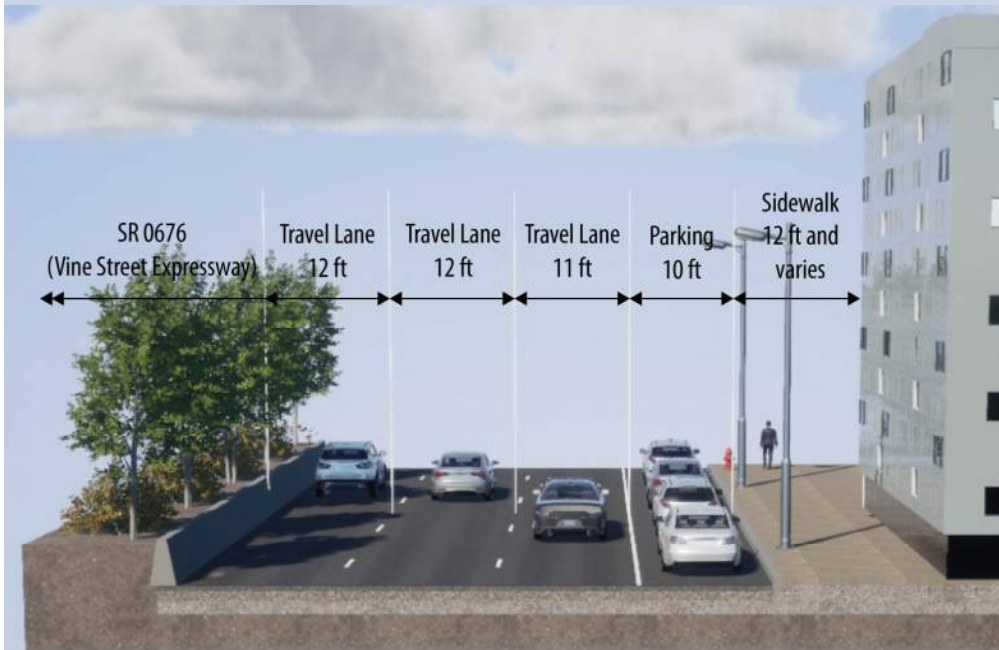
Image provided by Urban  
Photo taken on Race Street @ 7<sup>th</sup> Street



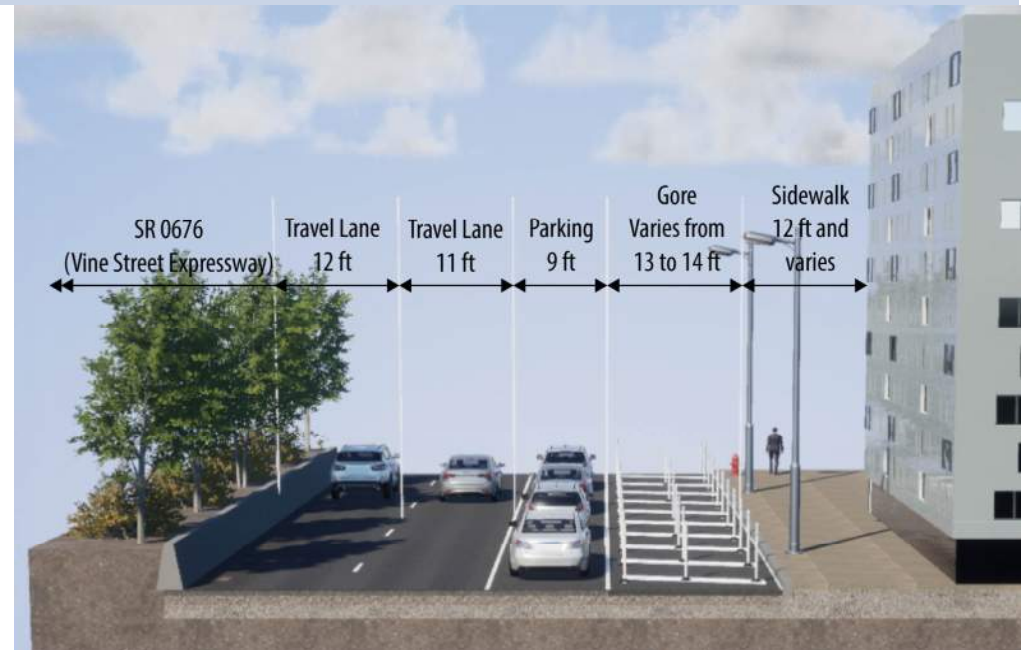


# PROPOSED DESIGN - WESTBOUND

## Vine Street Westbound from 9<sup>th</sup> Street to Broad Street



Existing

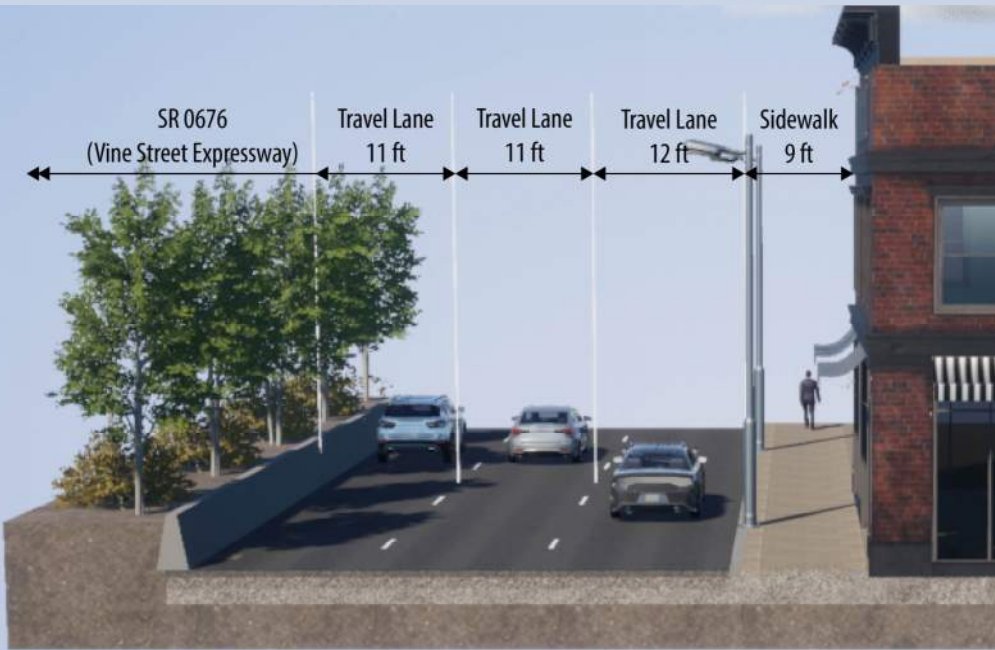


Proposed

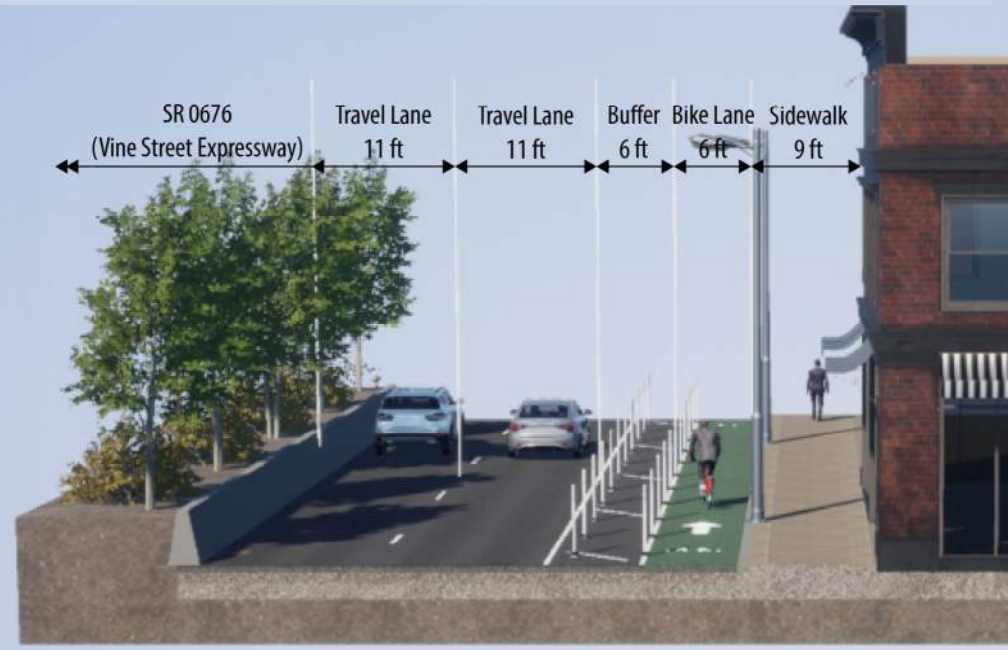


# PROPOSED DESIGN - EASTBOUND

## Vine Street Eastbound from Broad Street to 8<sup>th</sup> Street



Existing



Proposed





# PROJECT OVERVIEW



# EXISTING CONDITION

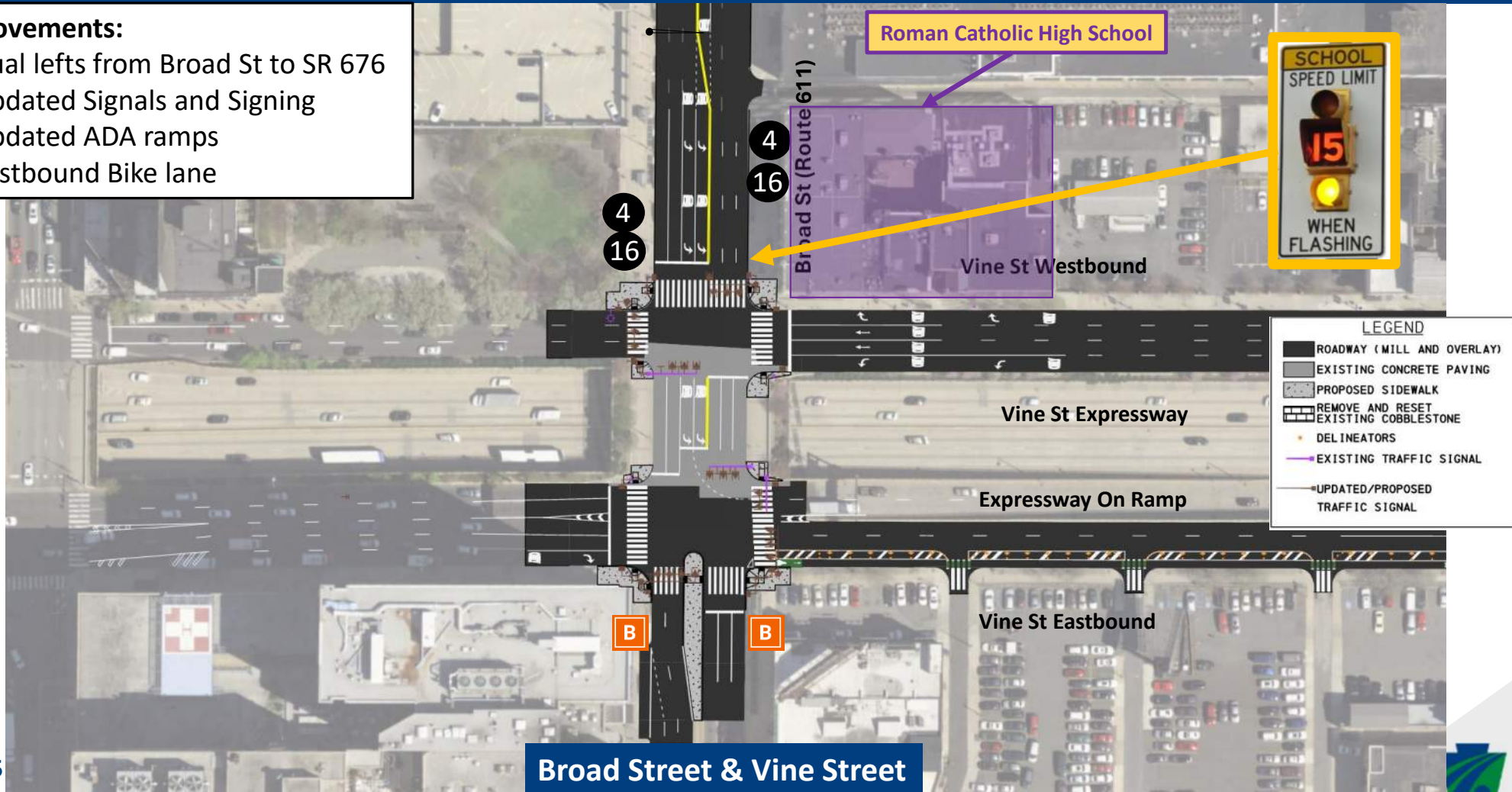




# PROPOSED CONDITION

## Improvements:

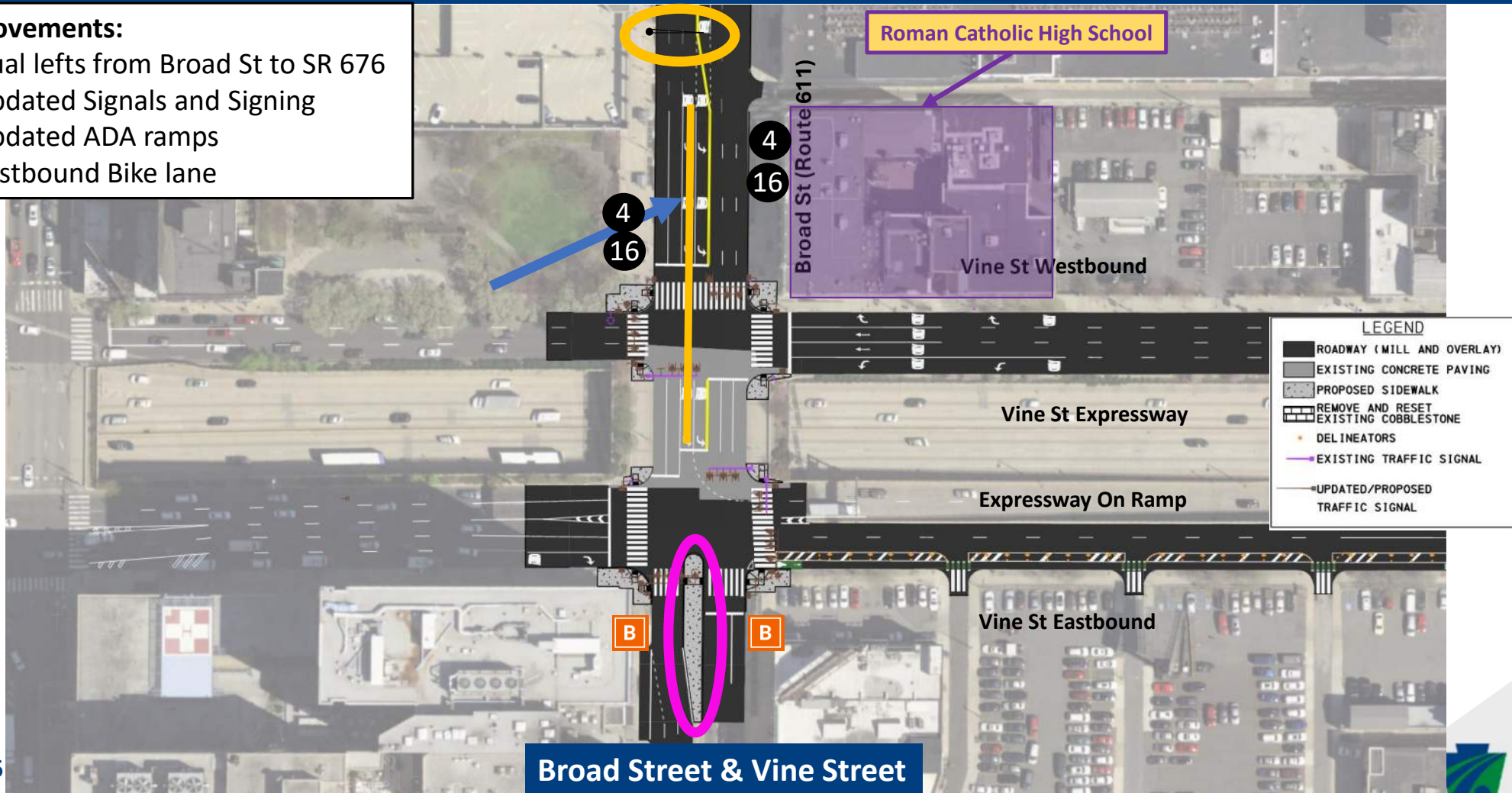
- Dual lefts from Broad St to SR 676
- Updated Signals and Signing
- Updated ADA ramps
- Eastbound Bike lane



# PROPOSED CONDITION

## Improvements:

- Dual lefts from Broad St to SR 676
- Updated Signals and Signing
- Updated ADA ramps
- Eastbound Bike lane





# PROPOSED CONDITION

Southbound approach on SR 611 (Broad Street) to SR 2676 (Vine Street) and SR 0676 Vine Street Expressway EB on ramp



Existing



Proposed



# PROJECT OVERVIEW

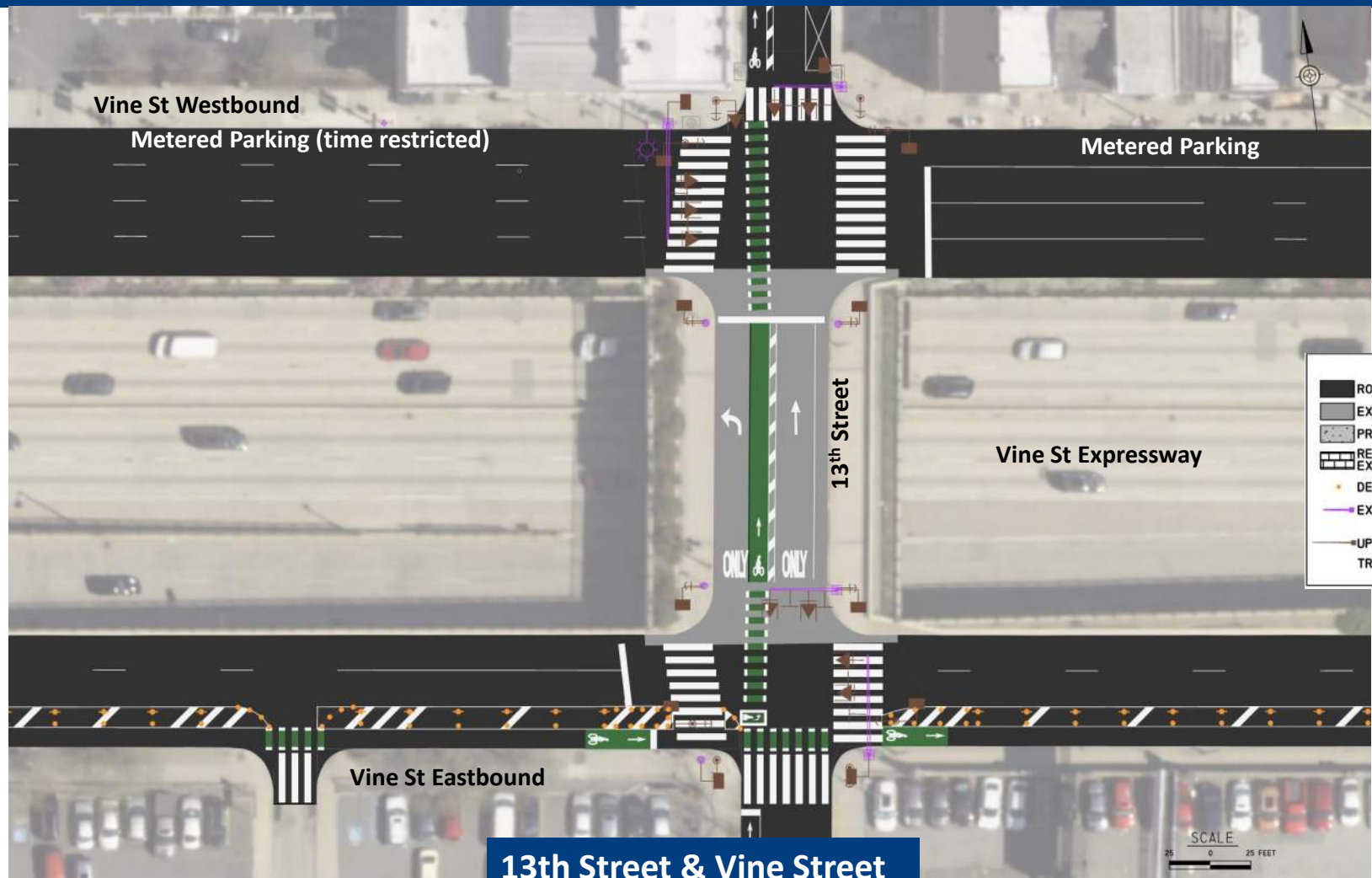


# EXISTING CONDITION





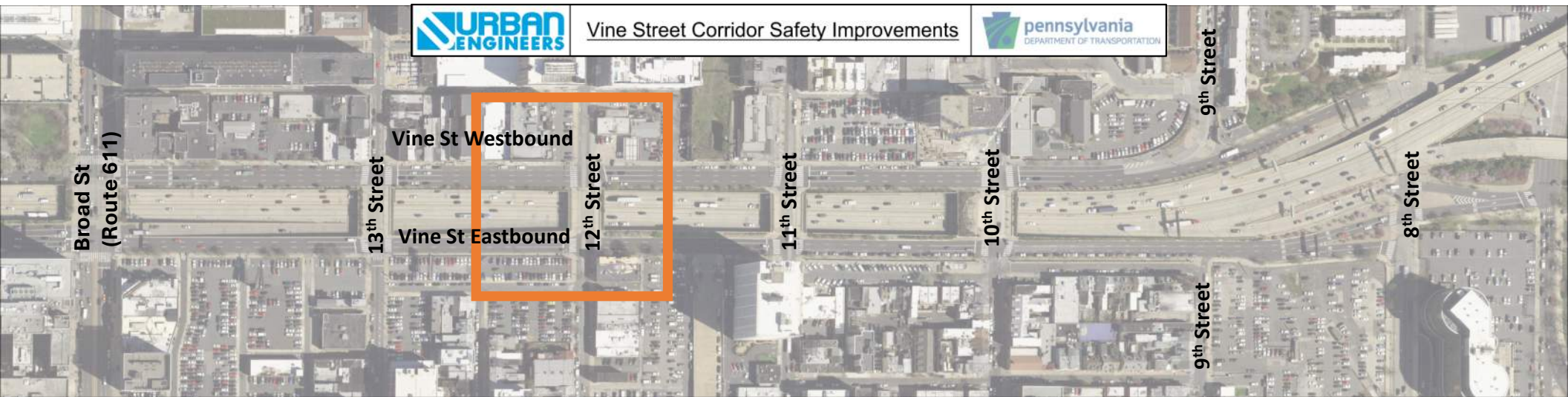
# PROPOSED CONDITION



LEGEND	
	ROADWAY (MILL AND OVERLAY)
	EXISTING CONCRETE PAVING
	PROPOSED SIDEWALK
	REMOVE AND RESET
	EXISTING COBBLESTONE
	DELINEATORS
	EXISTING TRAFFIC SIGNAL
	UPDATED/PROPOSED TRAFFIC SIGNAL



# PROJECT OVERVIEW

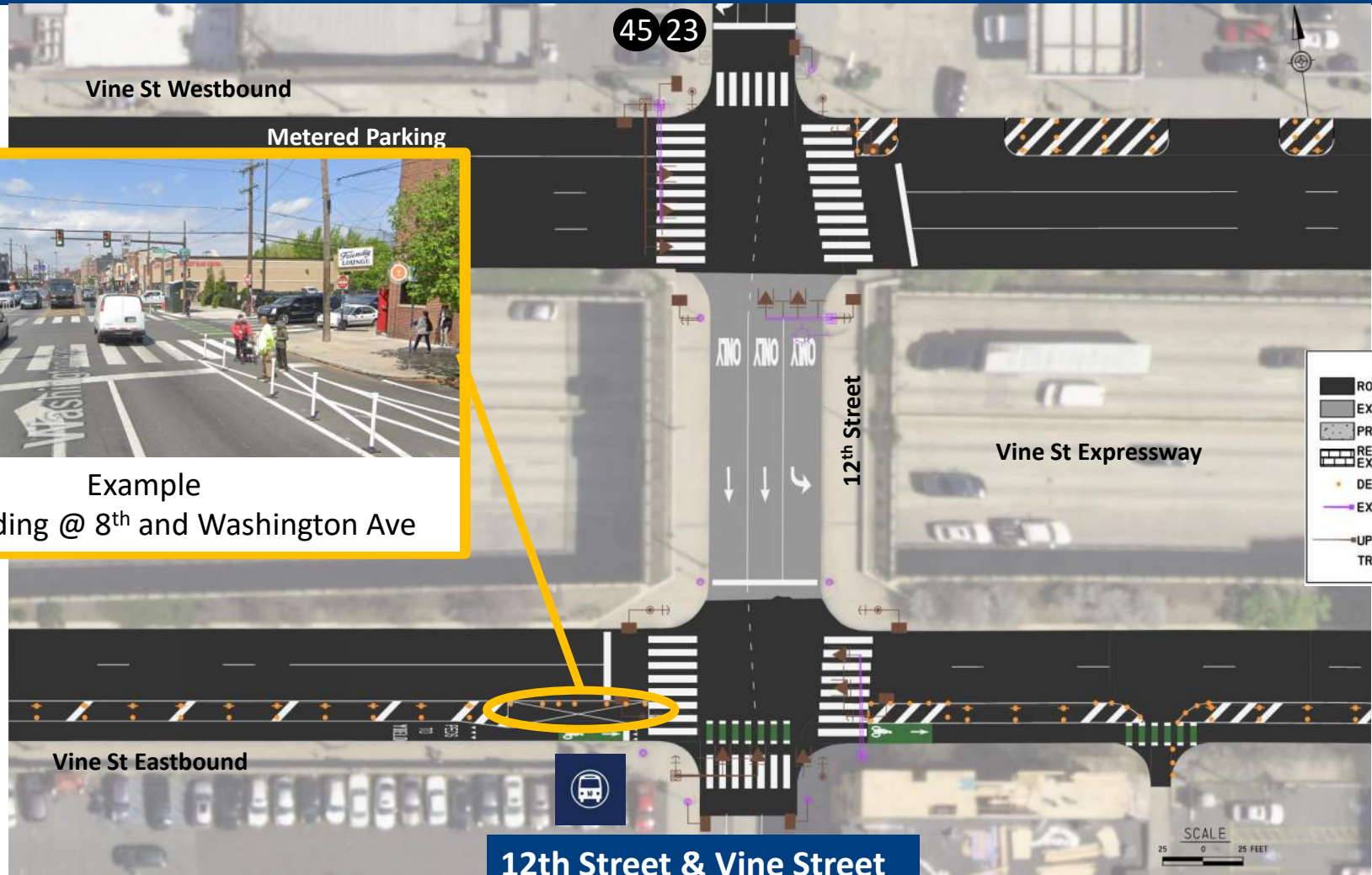


# EXISTING CONDITION





# PROPOSED CONDITION

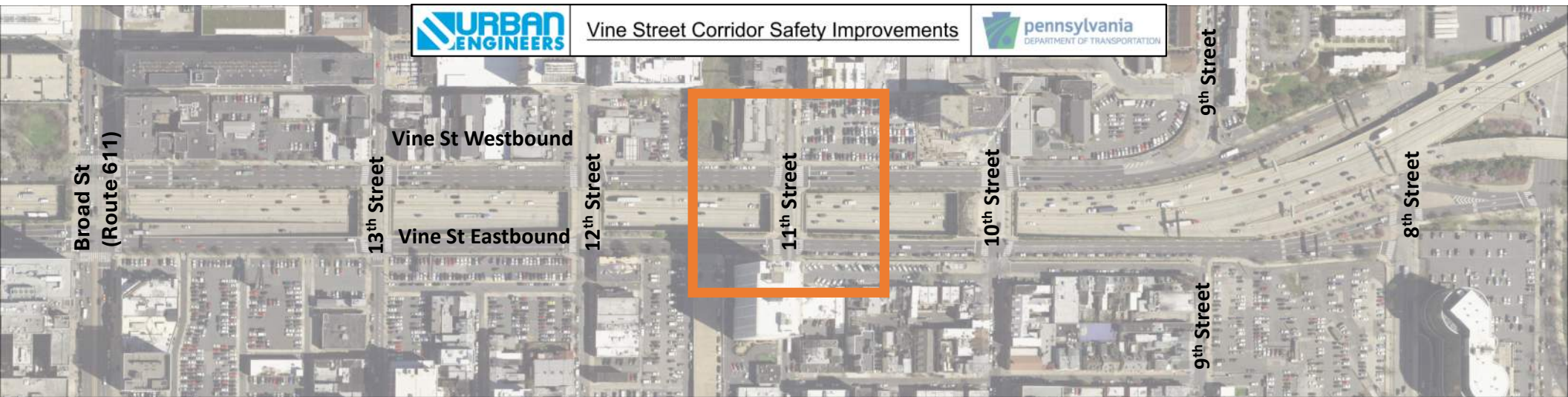


Example  
Bus Boarding @ 8<sup>th</sup> and Washington Ave

12th Street & Vine Street



# PROJECT OVERVIEW

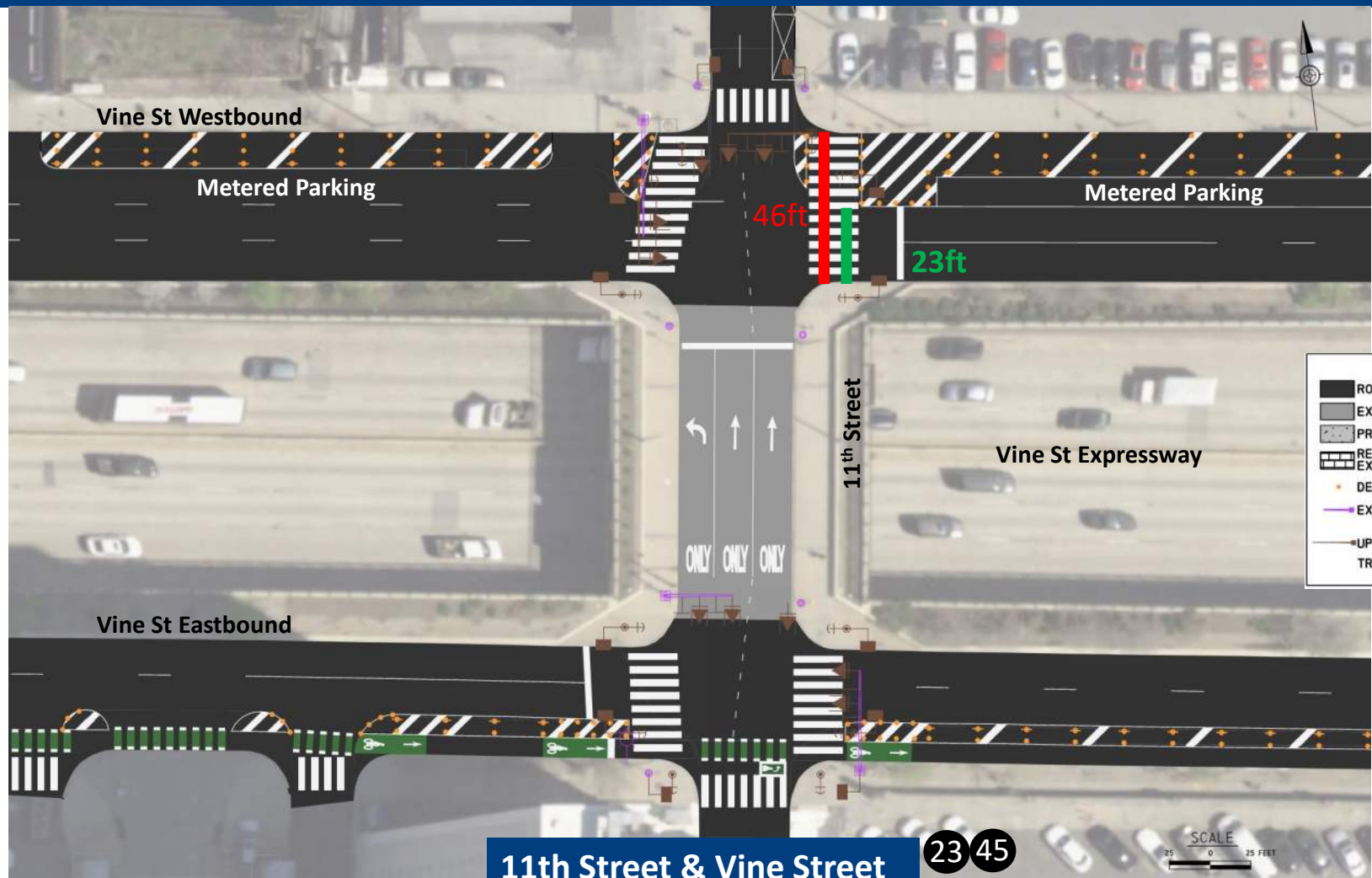


# EXISTING CONDITION





# PROPOSED CONDITION

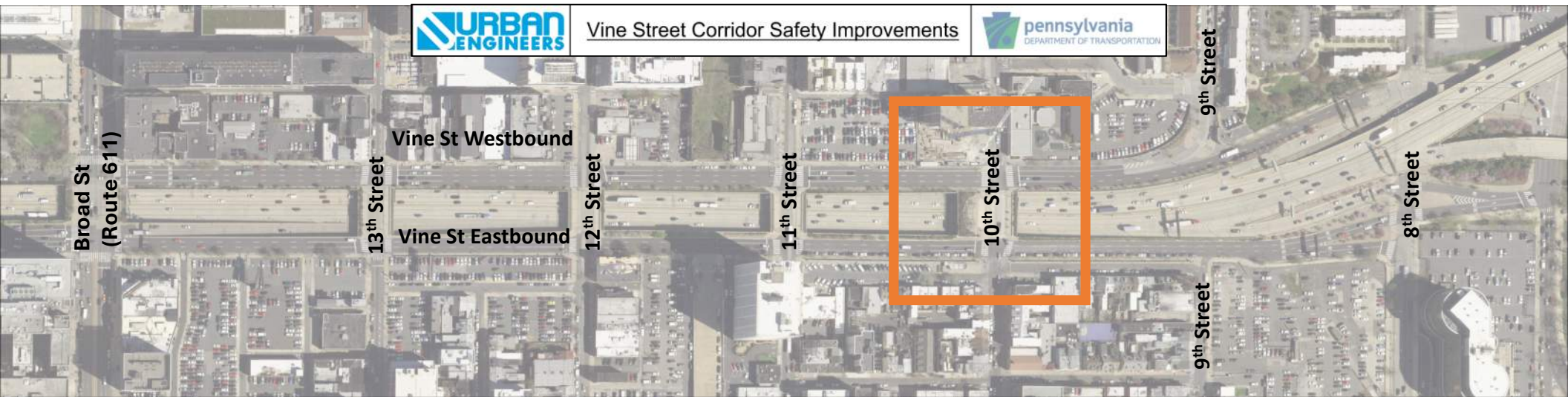


LEGEND	
	ROADWAY (MILL AND OVERLAY)
	EXISTING CONCRETE PAVING
	PROPOSED SIDEWALK
	REMOVE AND RESET EXISTING COBBLESTONE
	DELINEATORS
	EXISTING TRAFFIC SIGNAL
	UPDATED/PROPOSED TRAFFIC SIGNAL





# PROJECT OVERVIEW



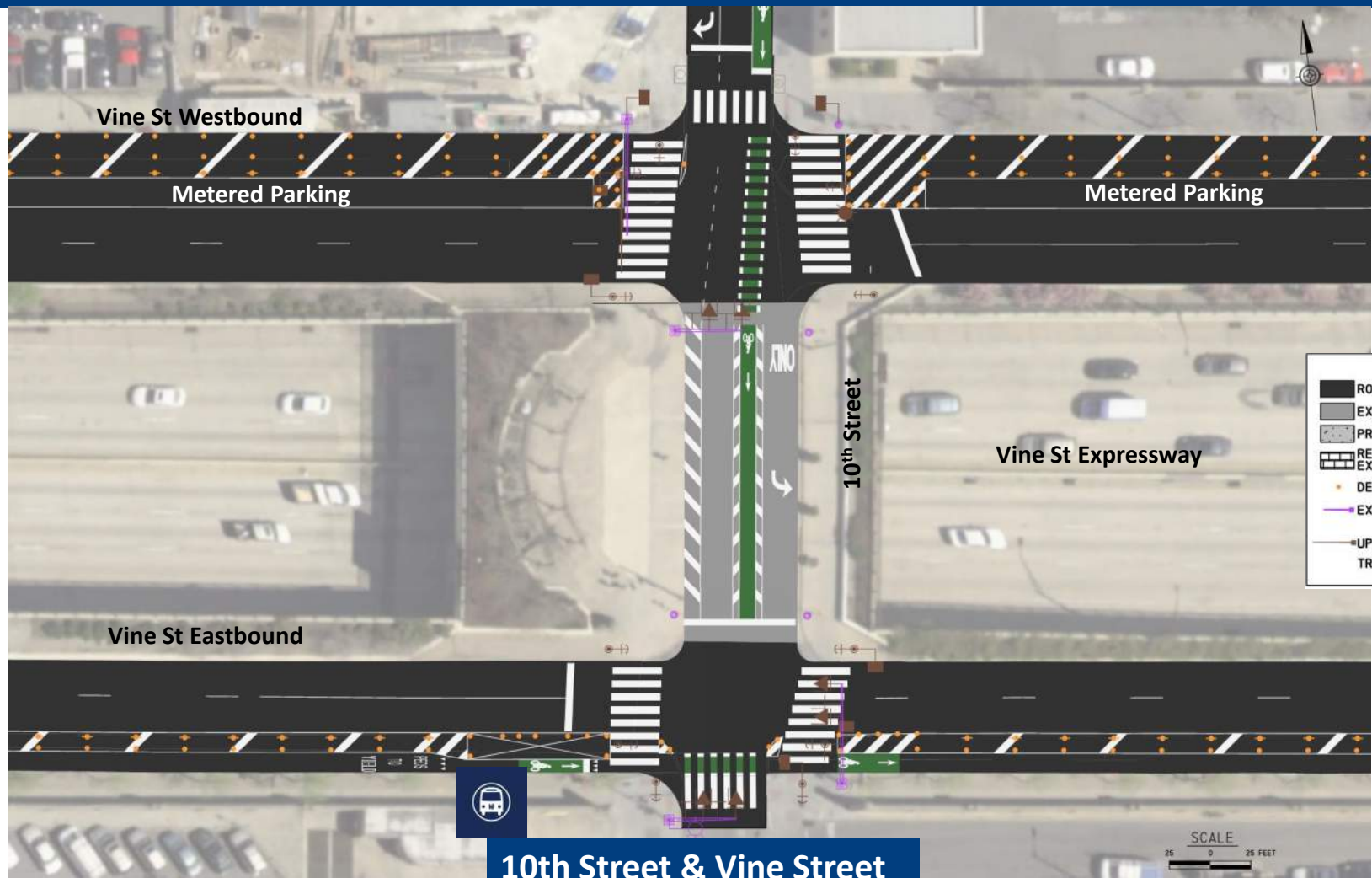
# EXISTING CONDITION



10th Street & Vine Street



# PROPOSED CONDITION



10th Street & Vine Street





# PROJECT OVERVIEW



# EXISTING CONDITION





# EXISTING CONDITION



8th Street, 9th Street & Vine Street

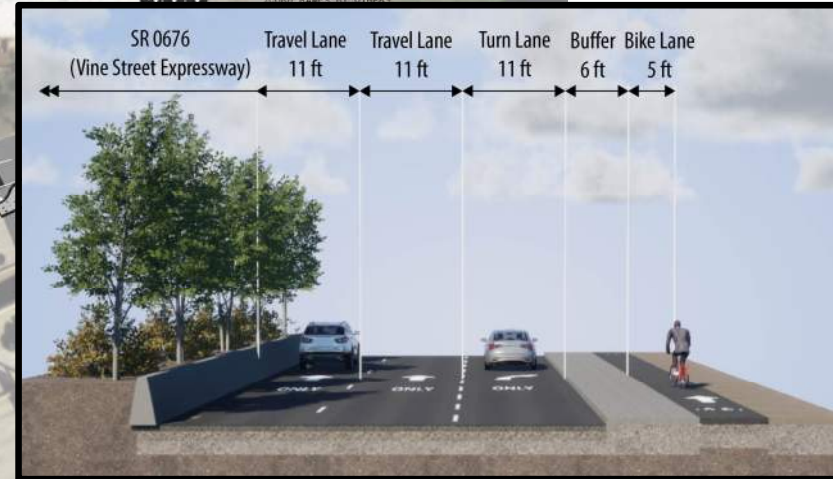




# PROPOSED CONDITION



# PROPOSED CONDITION



**LEGEND**

- ROADWAY (MILL AND OVERLAY)
- EXISTING CONCRETE PAVING
- PROPOSED SIDEWALK
- REMOVE AND RESET EXISTING COBBLESTONE
- DELINEATORS
- EXISTING TRAFFIC SIGNAL
- UPDATED/PROPOSED TRAFFIC SIGNAL

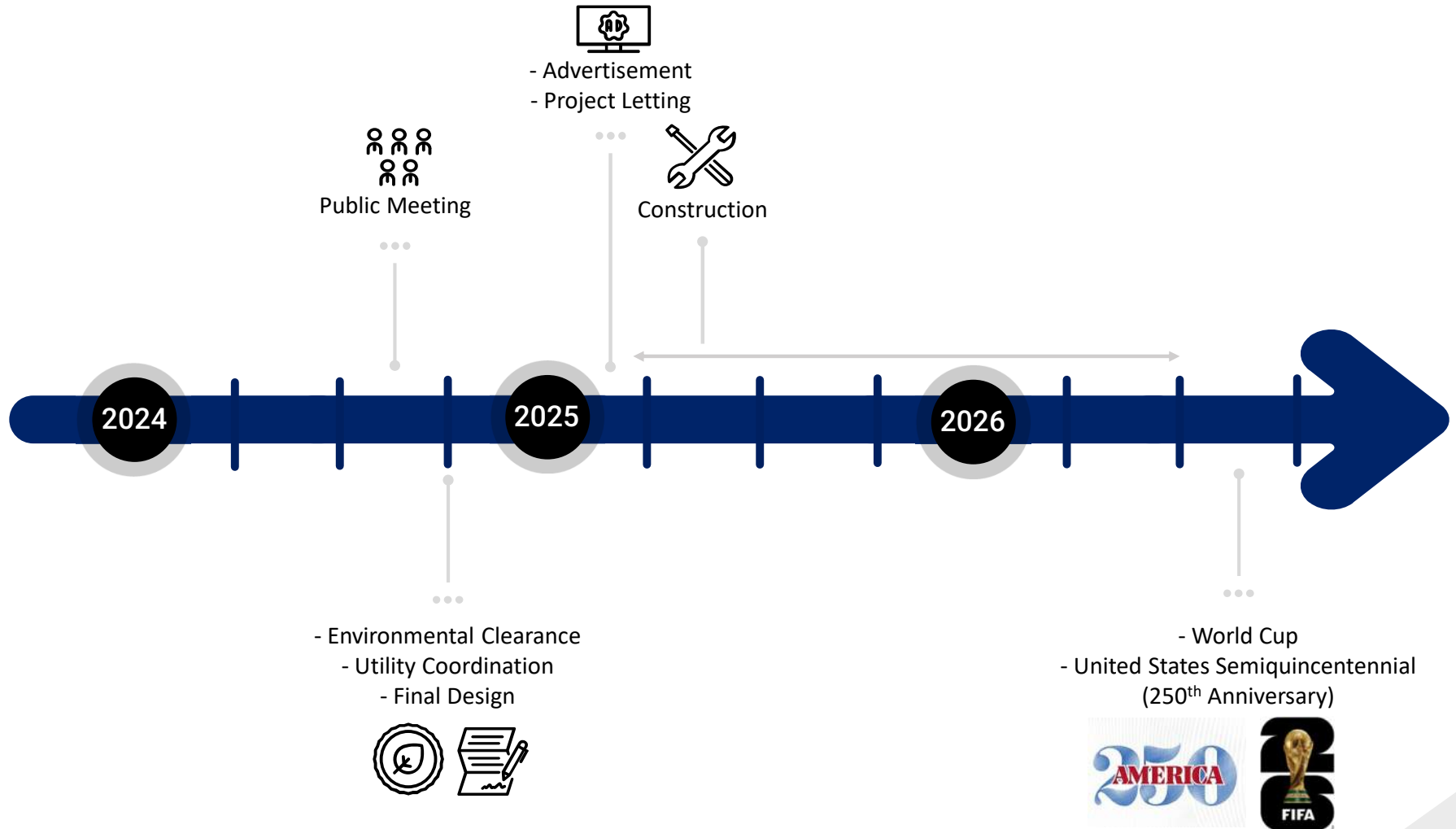




# PROPOSED DESIGN



# PROJECT SCHEDULE





# PUBLIC HOUSE – OCTOBER 24, 2024

Holy Redeemer Chinese  
Catholic Church and School



- PennDOT is hosting a Public Open House for the project at Holy Redeemer Chinese Catholic Church
  - Thursday October 24, 2024 from 6pm – 8pm



# QUESTIONS?

# THANK YOU

## Contact Information

Consultant Project Manager, Nathan Parrish, P.E.  
c-nparrish@pa.gov

To comment, use QR code or visit:

<https://bit.ly/3ZuzB2S>

PROJECT WEBSITE



OCTOBER 2, 2024