

WELCOME

欢迎

Vine Street Corridor Safety Improvements

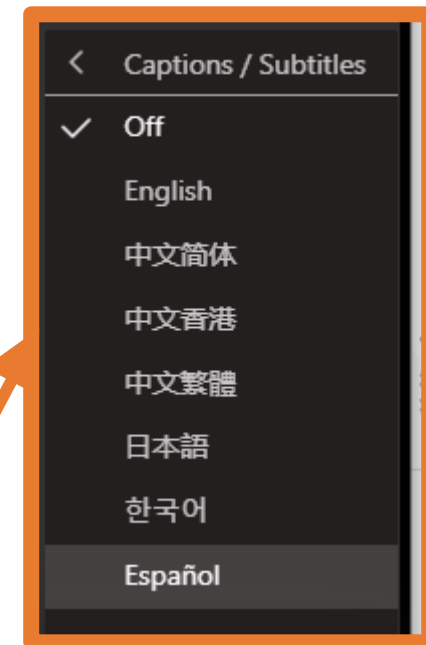
Public Meeting

万安街走廊安全改进

公开会议

OCTOBER 2, 2024

2024年10月2日



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

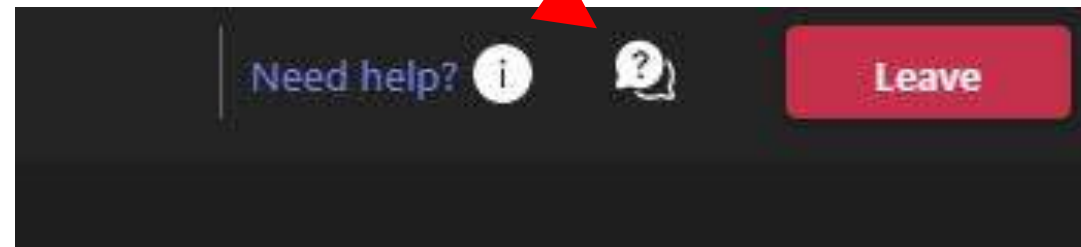


QUESTIONS?

问题？

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

可以通过点击屏幕顶部的问答功能来提交问题



Please note the slide number in your question
请记住您提问中的页面编号



INTRODUCTIONS



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



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



- Andrew Gould, P.E., Project Engineer



AGENDA 会议议程

Project Selection & Overview 项目总览

Existing Conditions & Project Timeline 当前情况与项目时间表

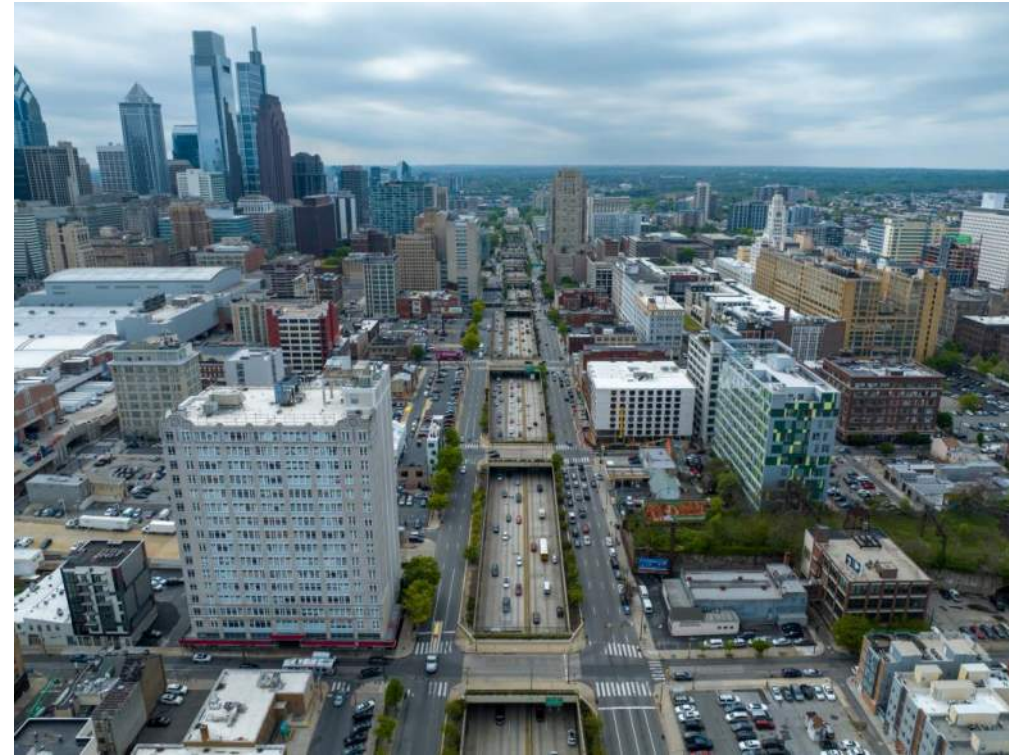
Project Purpose and Need 项目目标与需求

Safety Improvements 安全改进措施

Proposed Design 设计方案

Project Schedule 项目进程

Questions 问答时间



PROJECT SELECTION

Highway Safety Improvement Program (HSIP)

高速公路安全改进计划

- Achieve a significant reduction in traffic fatalities and serious injuries
- 实现显著减少交通死亡和重伤
- Requires a data-driven, strategic approach to improving highway safety with a focus on performance
- 需要基于数据和战略方法来改善高速公路安全，重点关注实际效果



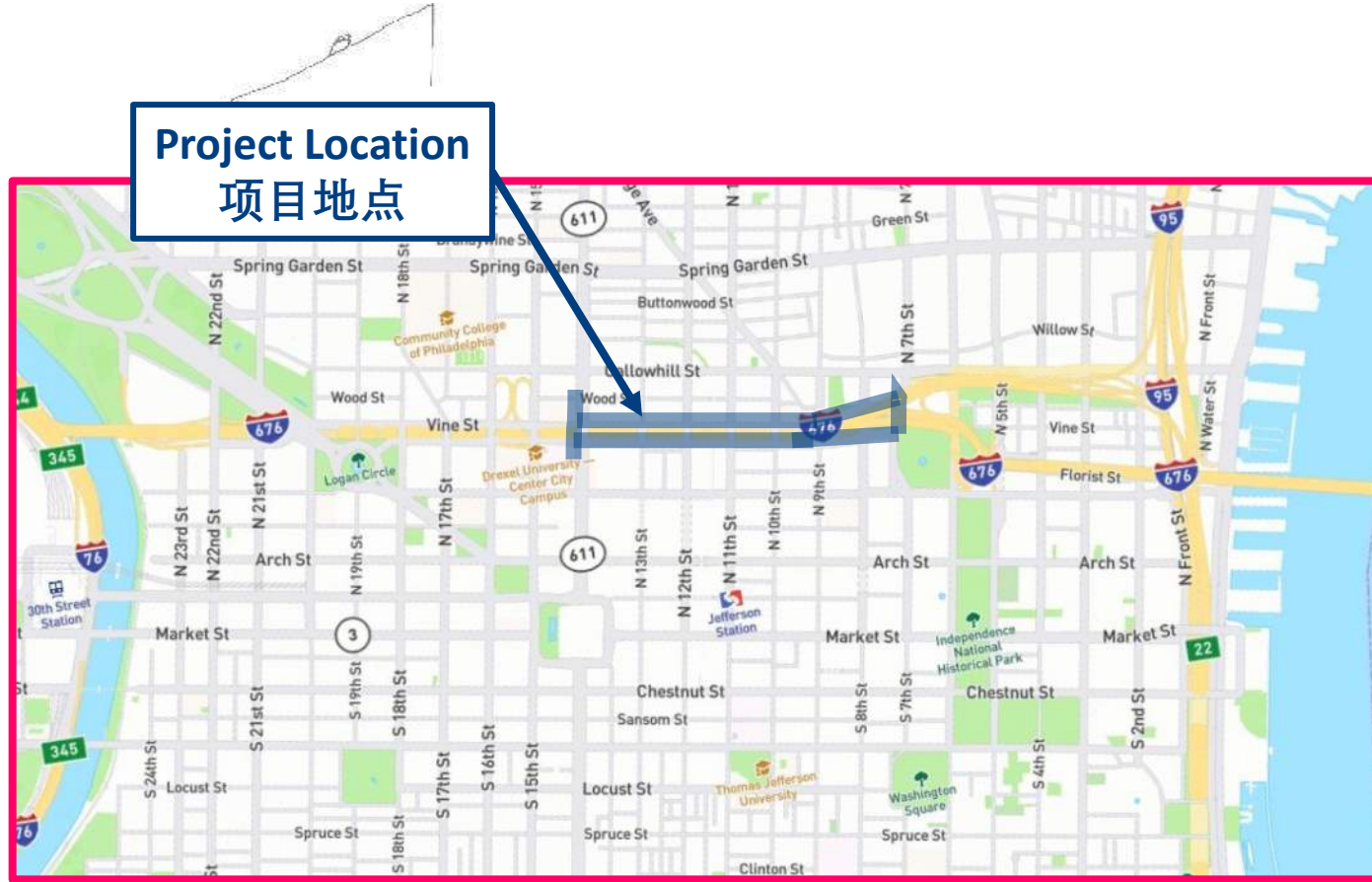
U.S. Department of Transportation
Federal Highway Administration



Highway Safety Improvement Program
Data Driven Decisions



PROJECT OVERVIEW 项目总览



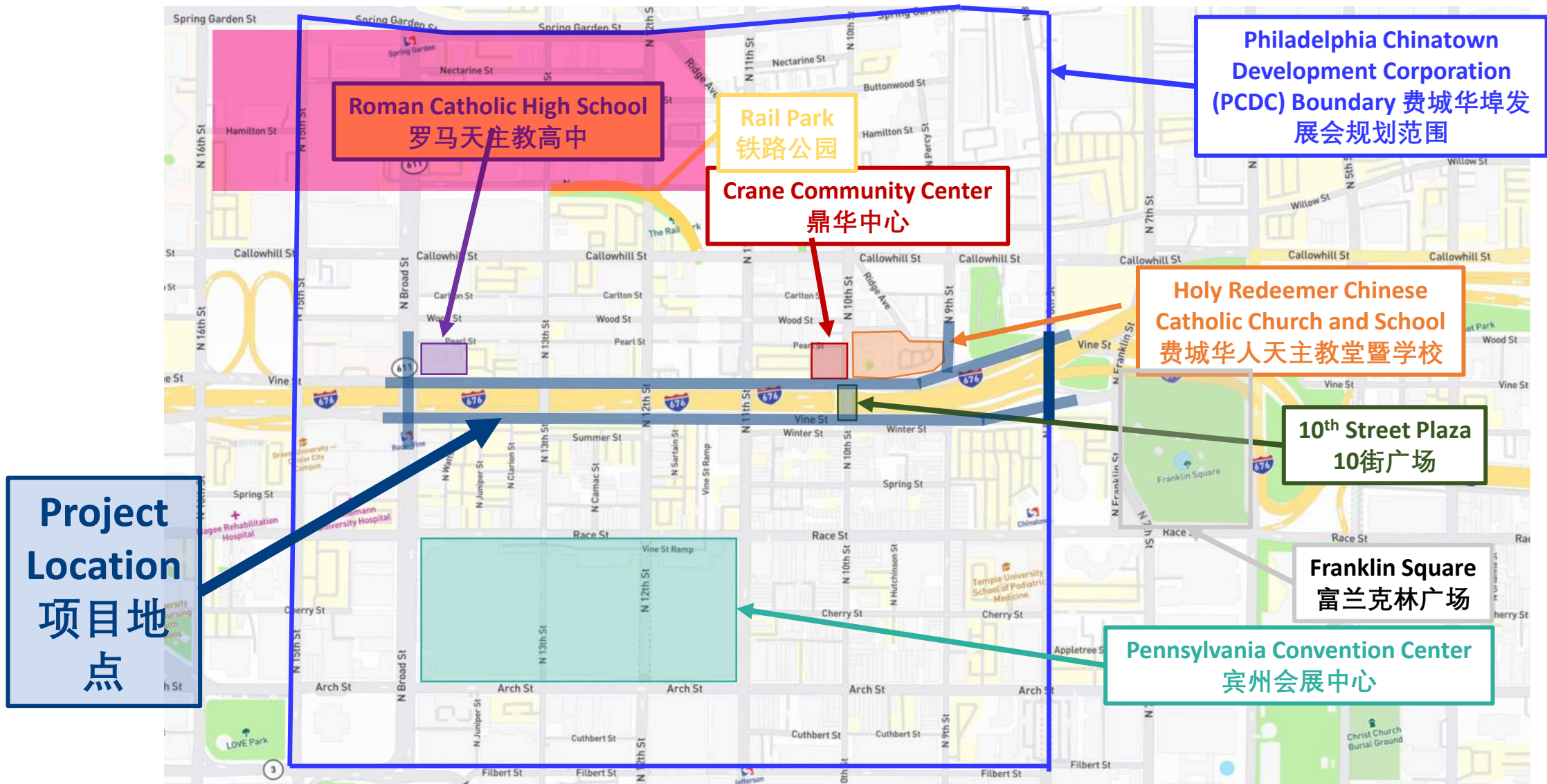
Project Location
项目地点



TRICT 6-0



COMMUNITY CONTEXT 社区背景



COMMUNITY CONTEXT 社区背景



Pennsylvania Convention Center
宾州会展中心

Roman Catholic High School
罗马天主教高中

10th Street Plaza
10街广场

Crane Community Center
鼎华中心

Holy Redeemer Chinese Catholic Church and School
费城华人天主教堂暨学校

Project Location
项目地点



EXISTING CONDITIONS 现有条件

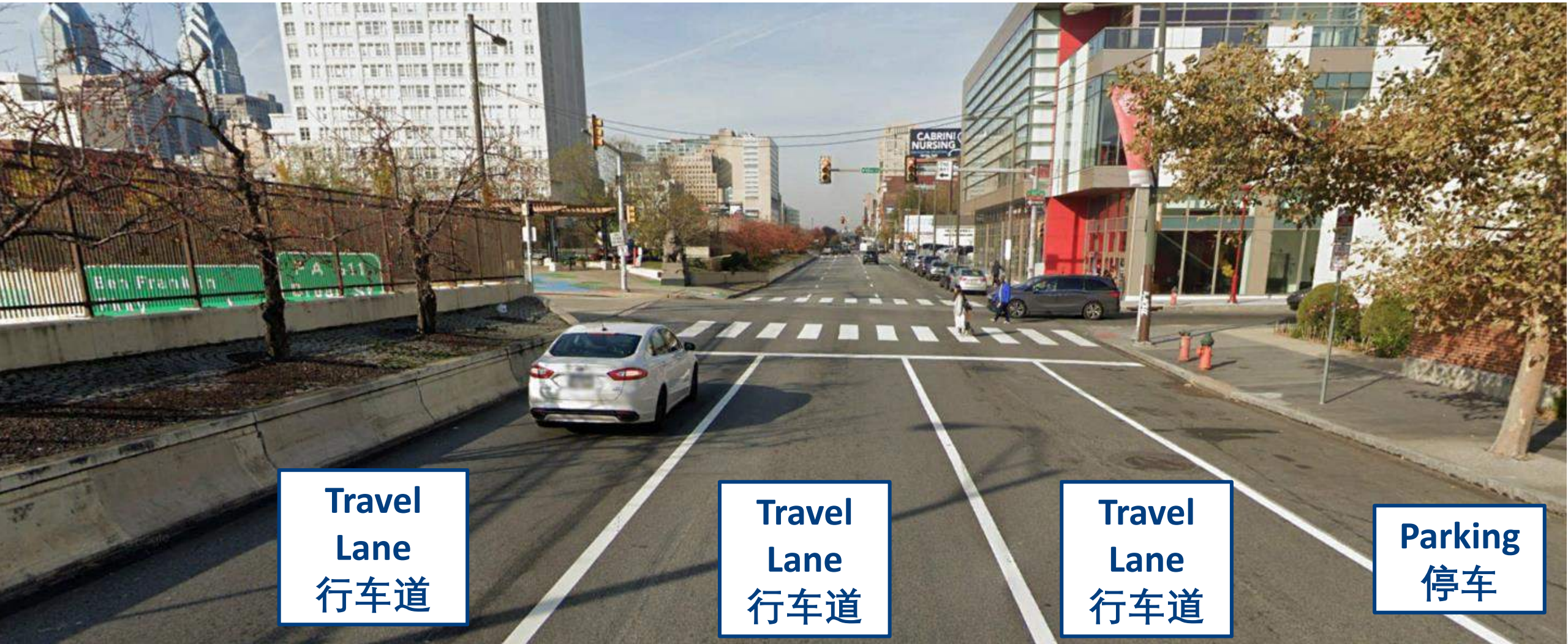


Image provided by Google

Vine Street westbound
looking toward 10th Street
万安街与10街东向西视角



EXISTING CONDITIONS 现有条件



Image provided by Google

Vine Street eastbound
looking toward 12th Street
万安街与12街西向东视角



PROJECT TIMELINE 项目时间表

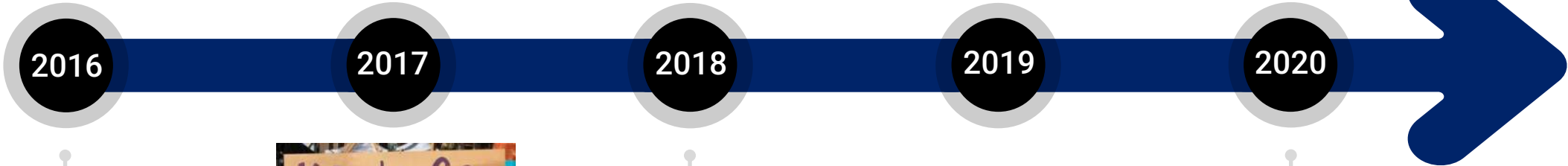


October: Chinatown Neighborhood Plan Released

December: Chinatown Connections Report Released



September: HSIP application submitted



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 项目时间表

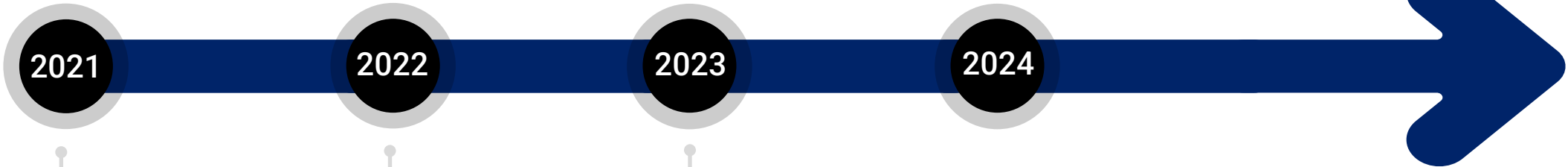


CENTER CITY DISTRICT

Center City District Conducted a Vine Street Expressway Cap Feasibility Study



Chinatown Stitch Awarded \$158M Reconnecting Communities Grant



2021

2022

2023

2024

The Infrastructure Investment and Jobs Act (IIJA) was signed into law.



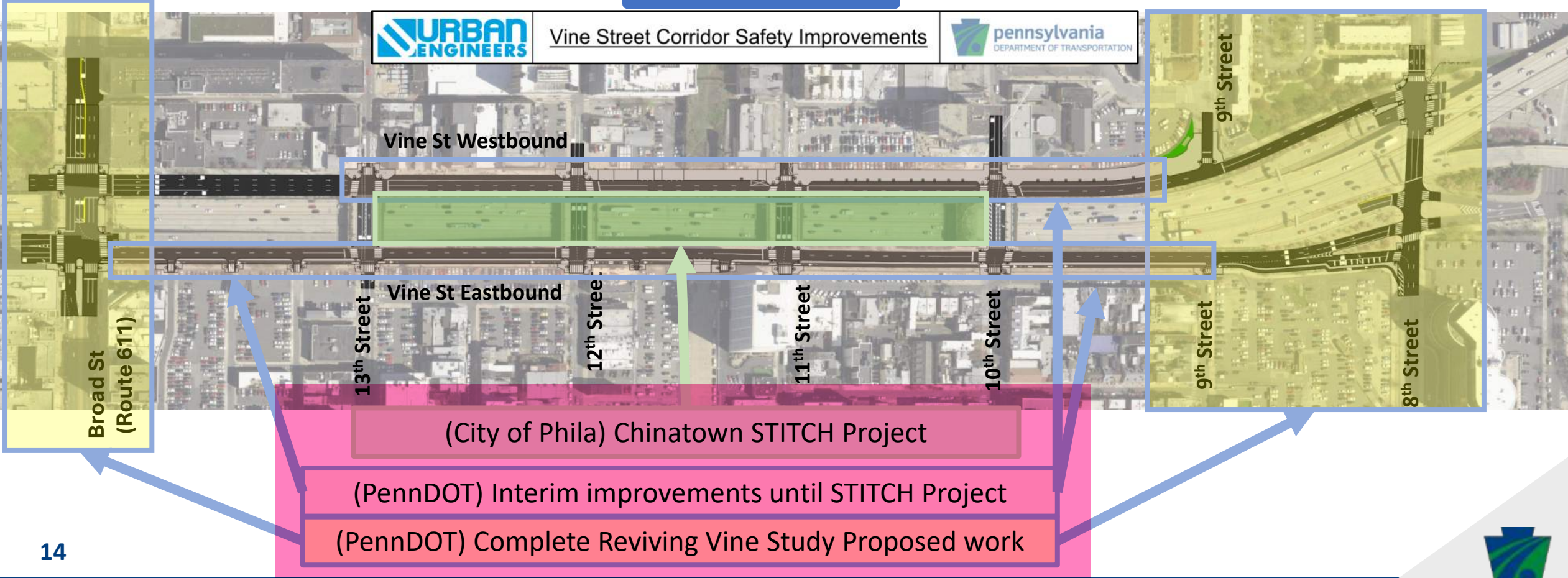
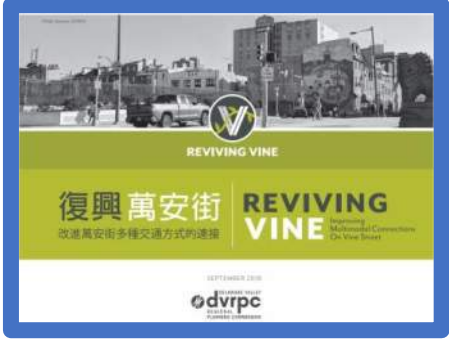
June: Urban Engineers receives Notice To Proceed



Chinatown Stitch Vision Report Published



PENNDOT PROJECT & CHINATOWN STITCH



PROJECT PURPOSE AND NEED 项目目标与需求

Purpose 目标

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.

本项目的目标是减少走廊沿线潜在交通事故的数量和严重程度，并且提高信号灯交叉路口行人的安全



PROJECT PURPOSE AND NEED 项目目标与需求

Need 需求

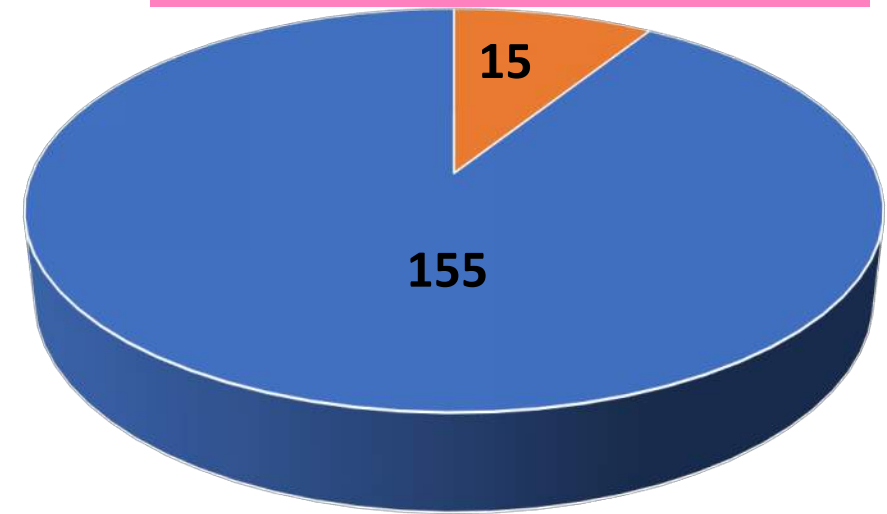
- 170 reportable crashes between 2018 and 2022. 2018-2022 年间至少发生了170起可报告的事故



- Pedestrians/Non Vehicular = **9%** 行人/非机动车 = **9%**
 - 2023 state average = 2.9% → account for 15.4% of all traffic crash fatalities
 - 2023年州平均=2.9% 占有所有交通事故死亡人数的15.4%

- Vehicular - **71%** of total had fatal/injury 机动车-71%的总数发生了致命/伤害事故
 - 2023 state average = 45% → fatal/injury
 - 2023年州平均值=45% 致命/伤害事故

Crash Data 事故数据

170 Total Crashes (2018-2022)



-  Pedestrian involved 行人/非机动车
-  Vehicular 机动车



SAFETY IMPROVEMENTS 安全改进

- Road Diet 道路缩减
- Delineated Bumpouts and added refuge islands 设置路缘拓宽区并增加行人安全岛
- Eastbound Bike Lane 西向东自行车车道
- Signal Upgrades 信号升级
 - Pedestrian Countdown Timers 人行道倒计时器
 - Leading Pedestrian Intervals (LPIs) 行人优先绿灯时间
 - Retroflective Backplates 反光背板
- Dual southbound left turn lanes at Broad/Vine Broad/Vine 交叉口北向南双左转车道
- Enhanced Pavement Markings (green bike/red bus) 增强路面标线 (绿色自行车道/红色公交车道)



SAFETY IMPROVEMENTS – ROAD DIETS 道路缩减

Benefits of Road Diet installations may include: 道路缩减的好处包括

- Fewer lanes for pedestrians to cross 行人过马路需要通过的车道减少
- Opportunity to install pedestrian refuge islands, bicycle lanes, on-street parking, or transit stops 有机会设置行人安全岛，自行车道，街边停车位或公交车站点
- Traffic calming and more consistent speeds 交通更平缓，车速更均匀
- A more community-focused, Complete Streets environment that better accommodates the needs of all road users 一个更加以社区为中心的完整街道环境，更好的满足所有道路用户的需求



SAFETY IMPROVEMENTS 安全改进

Signal Upgrades 信号灯升级



Accessible Pedestrian Signal
(APS) Push Button
(Broad, 9th, 8th Street)
无障碍行人信号 (APS) 按钮



Pedestrian Countdown Timer
(all intersections)
所有路口
人行道倒计时器



Retroreflective Backplates
反光背板



SAFETY IMPROVEMENTS 安全改进

Bike Lanes and Pavement Markings 自行车道和路面标线

Bike Lane Markings (Green) 自行车道标线 (绿色)



Image provided by Urban
Photo taken on Vine Street @ 10th Street

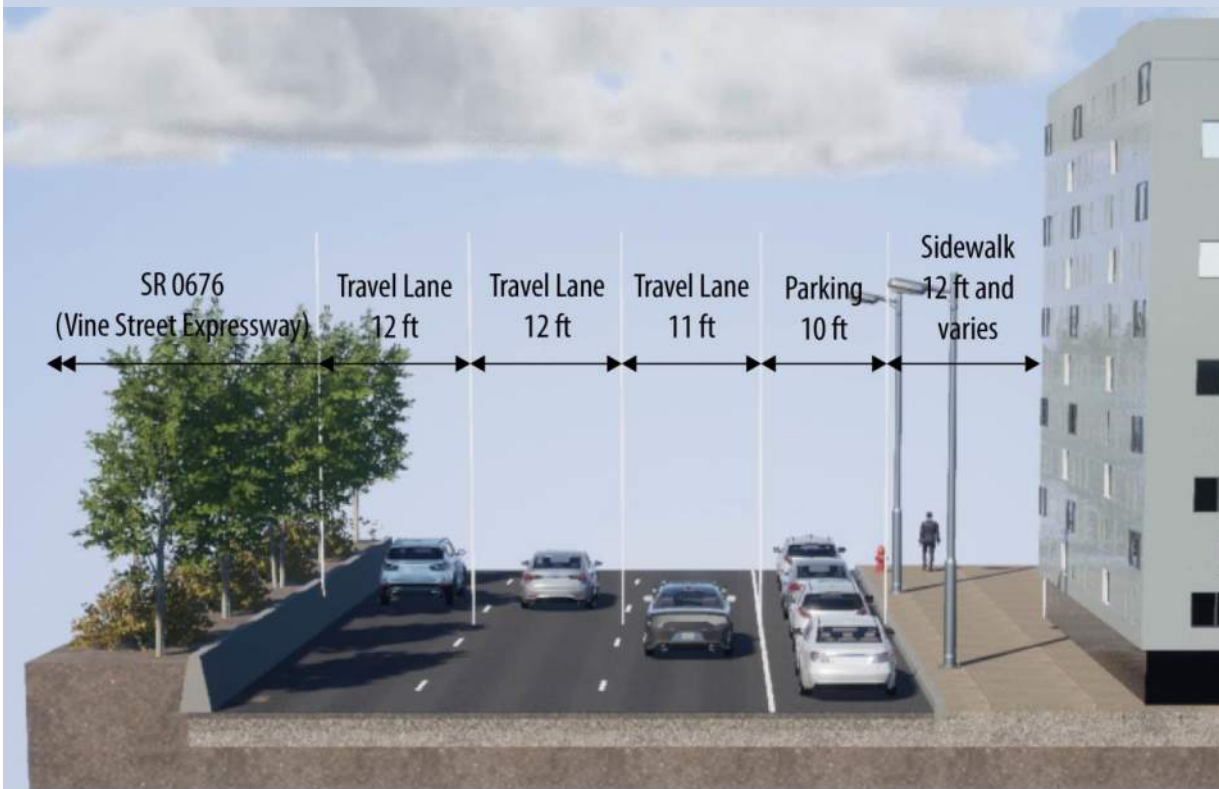
Buffered Bike Lane 缓冲自行车道



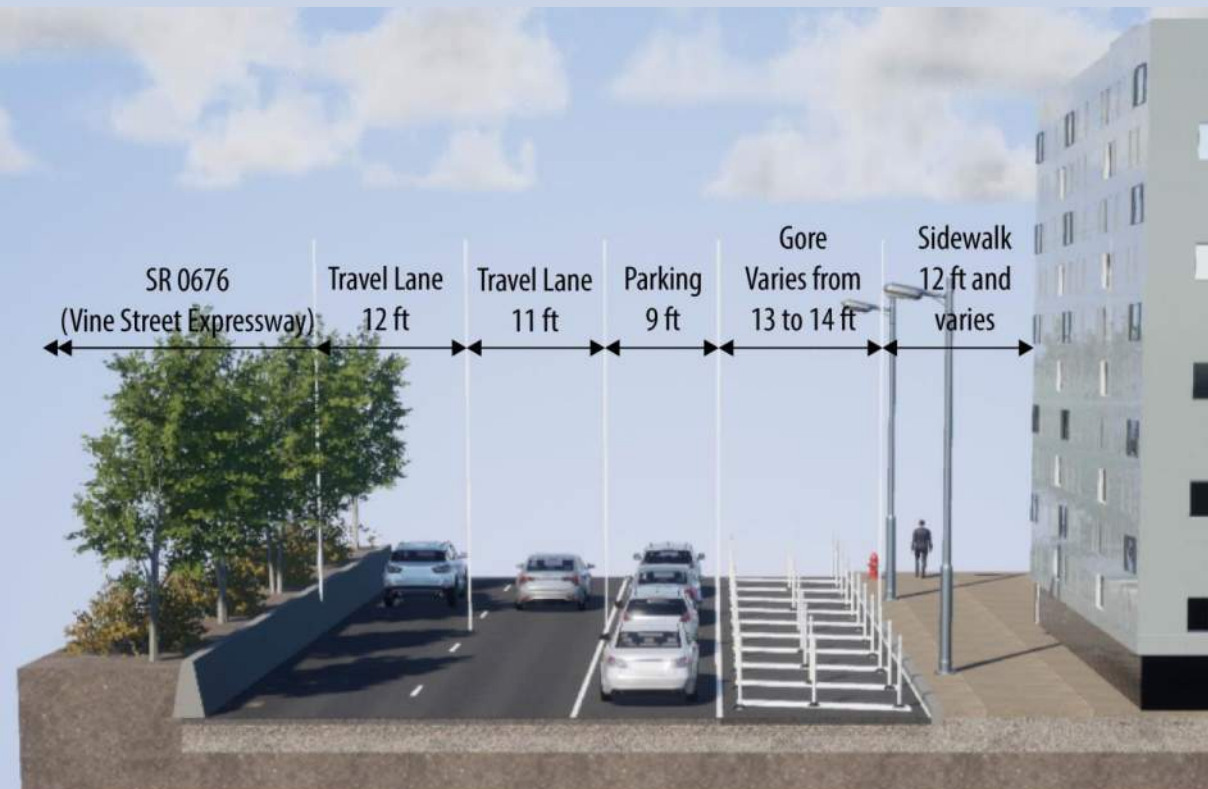
Image provided by Urban
Photo taken on Race Street @ 7th Street



Vine Street Westbound from 9th Street to Broad Street



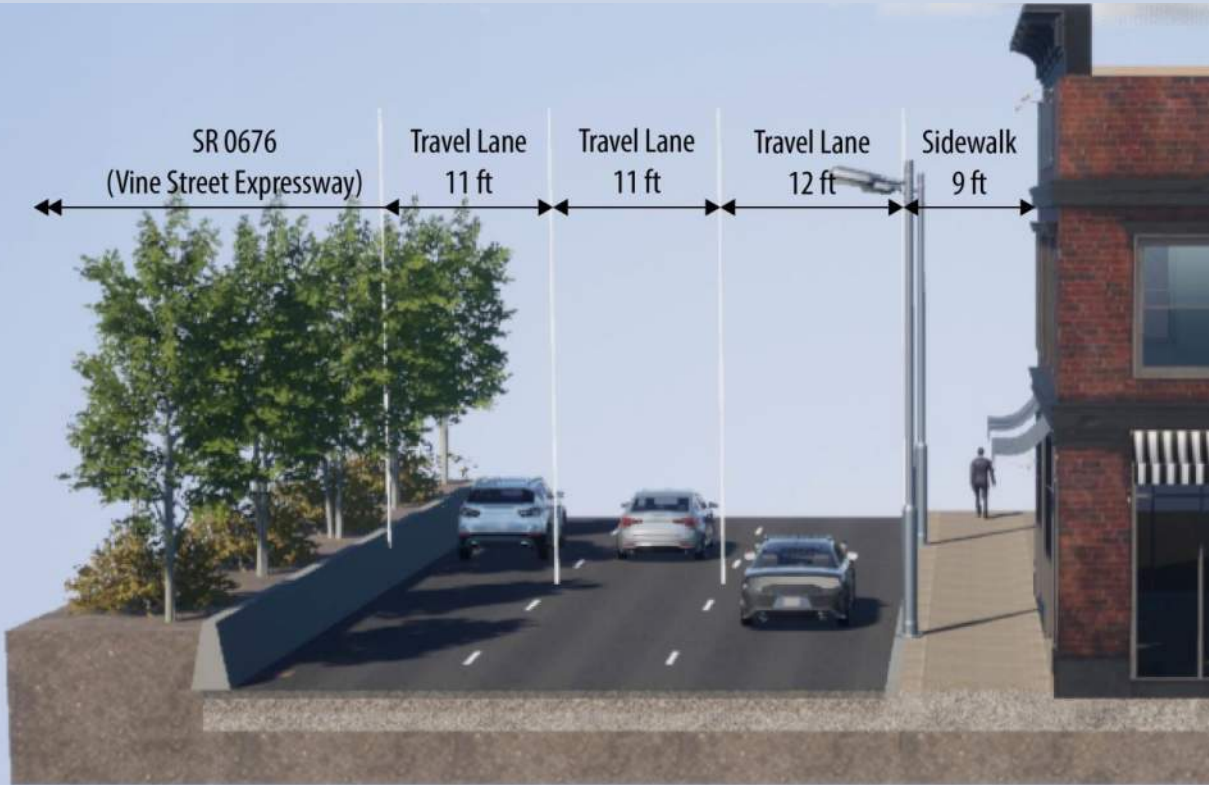
Existing 当前情况



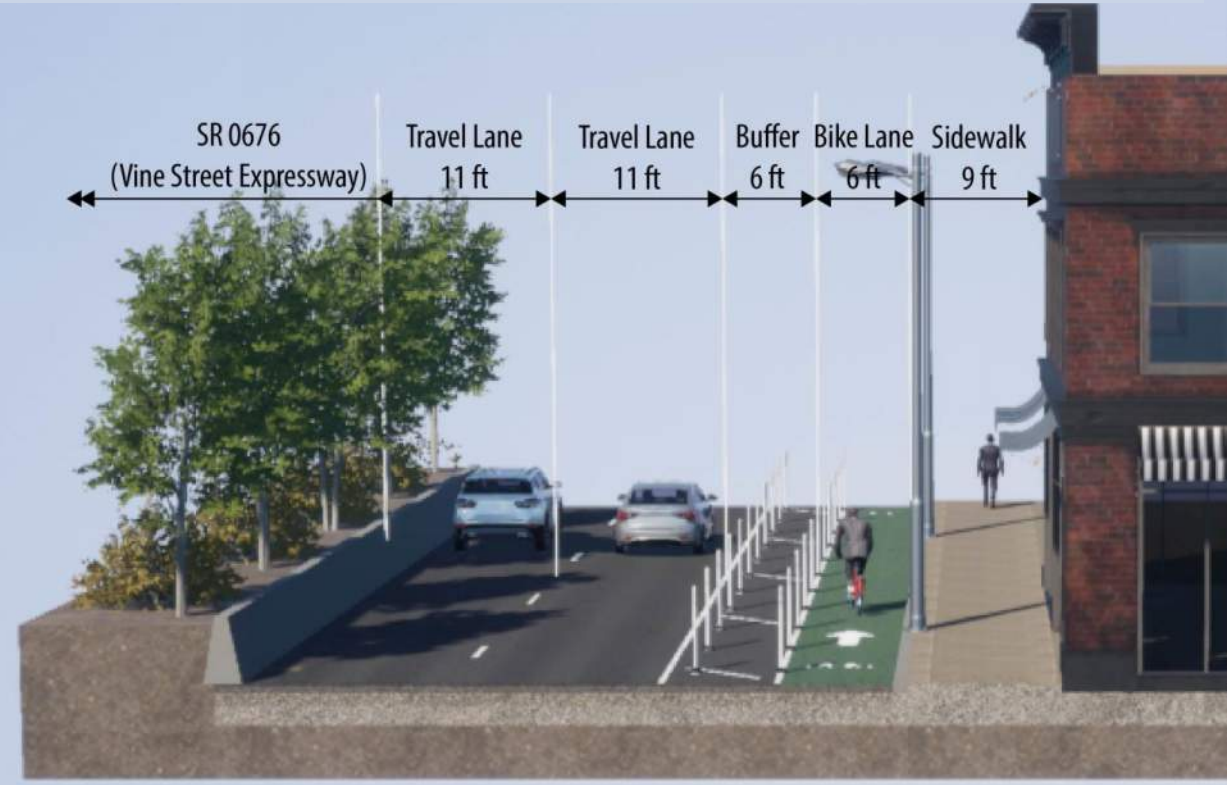
Proposed 设计方案



Vine Street Eastbound from Broad Street to 8th Street



Existing 当前情况



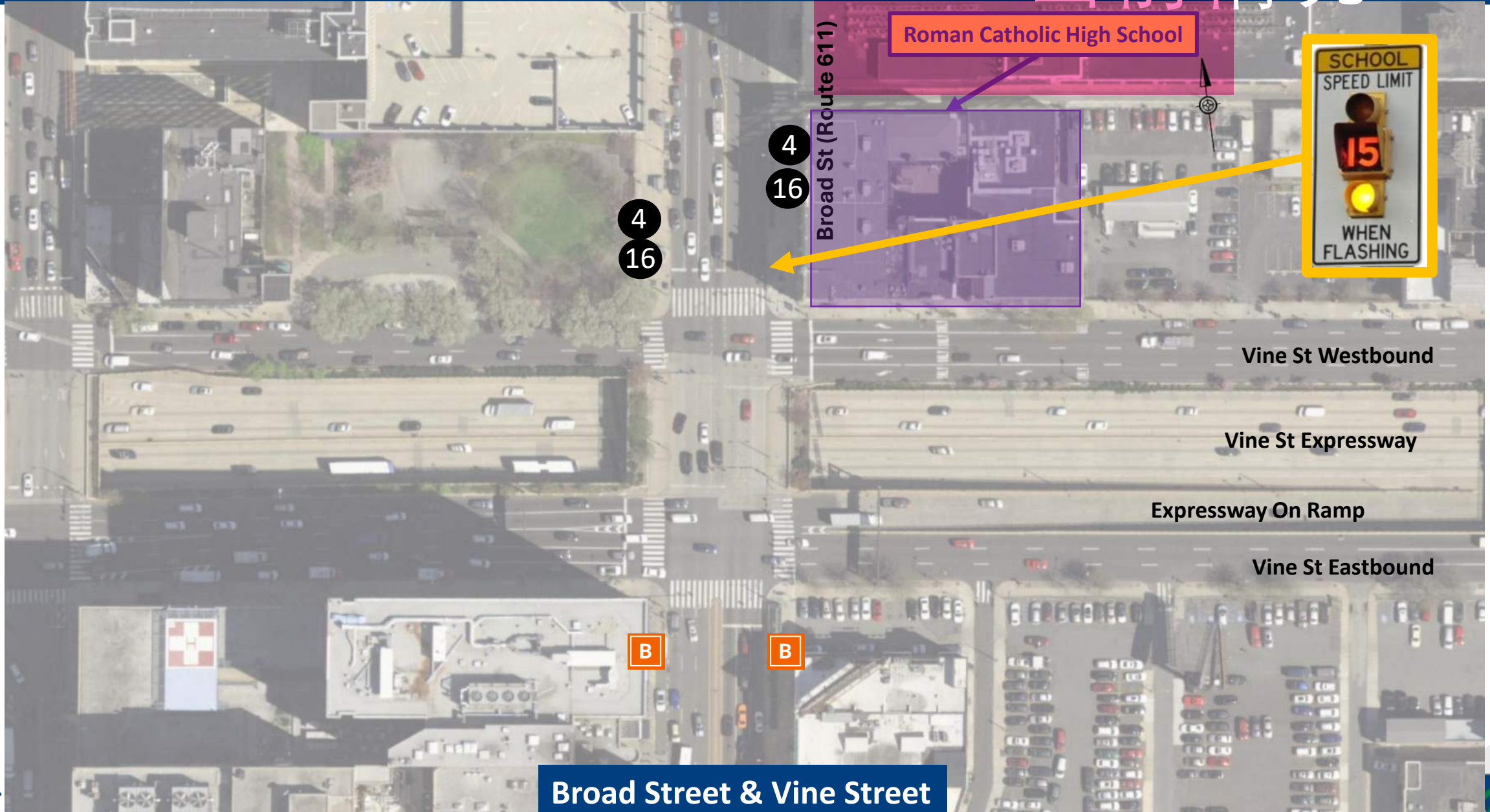
Proposed 设计方案



PROJECT OVERVIEW 项目总览



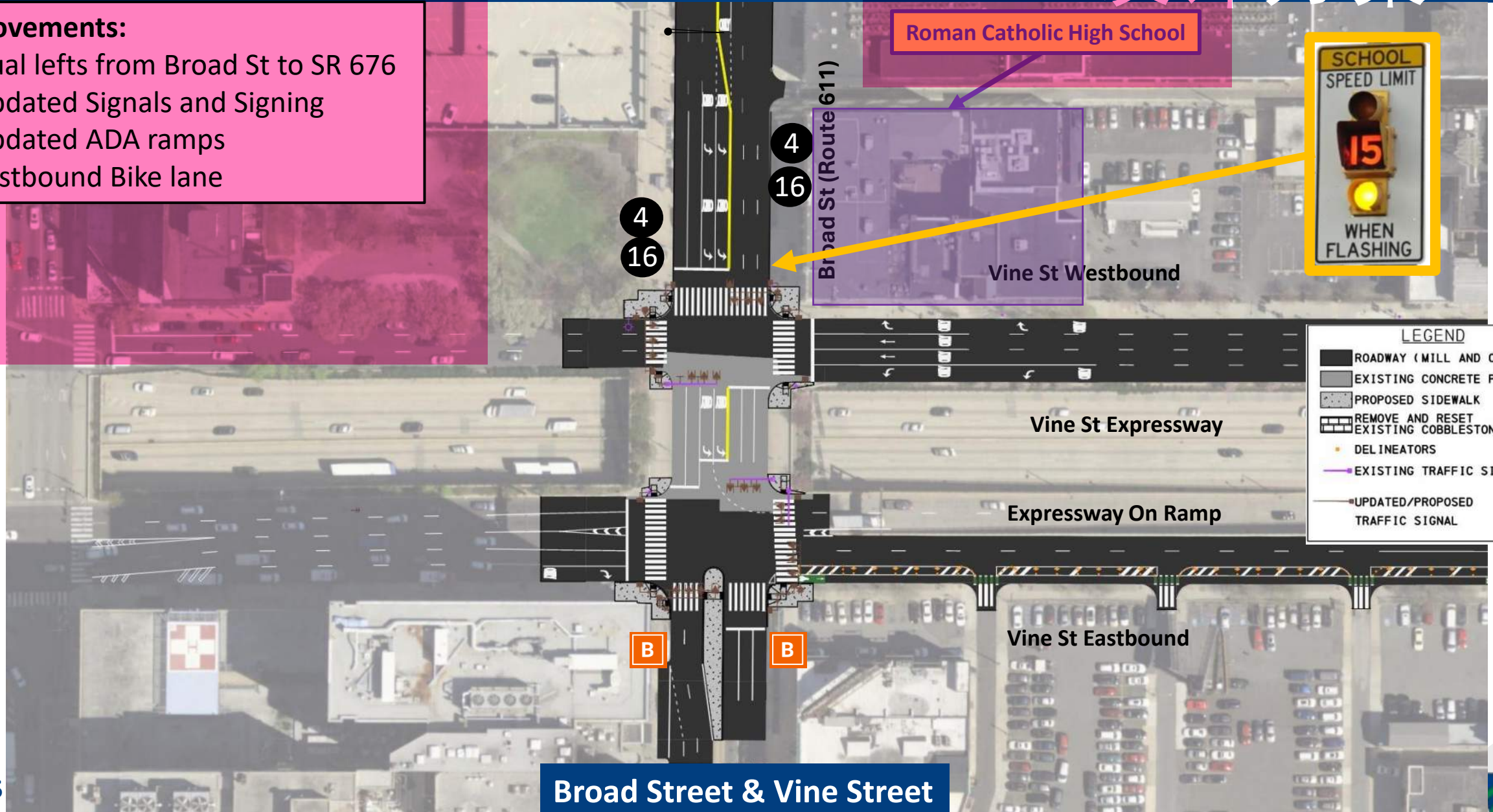
EXISTING CONDITION 当前情况



PROPOSED CONDITION 设计方案

Improvements:

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



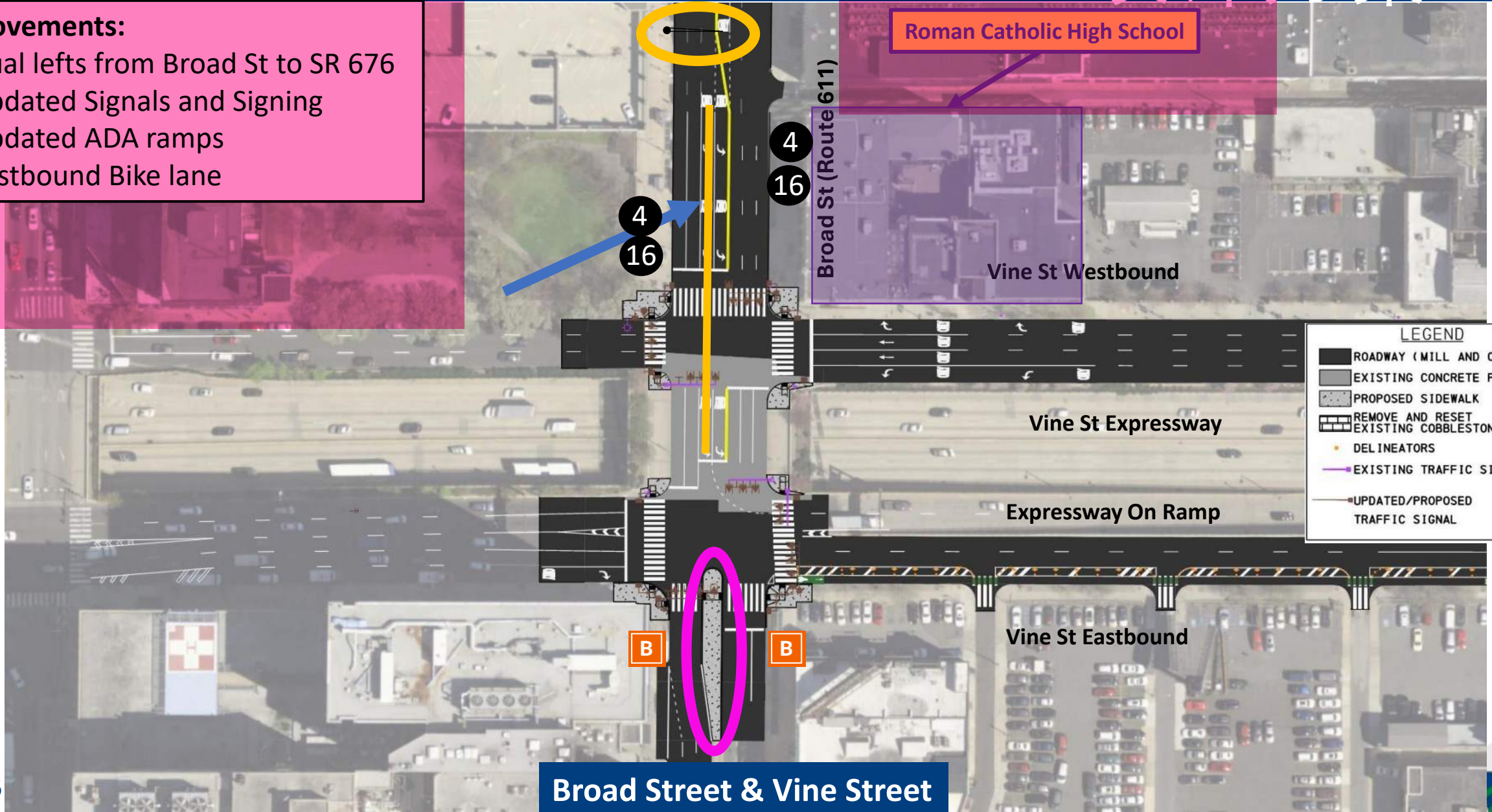
LEGEND	
	ROADWAY (MILL AND OVERLAY)
	EXISTING CONCRETE PAVING
	PROPOSED SIDEWALK
	REMOVE AND RESET EXISTING COBBLESTONE
	DELINEATORS
	EXISTING TRAFFIC SIGNAL
	UPDATED/PROPOSED TRAFFIC SIGNAL



PROPOSED CONDITION 设计方案

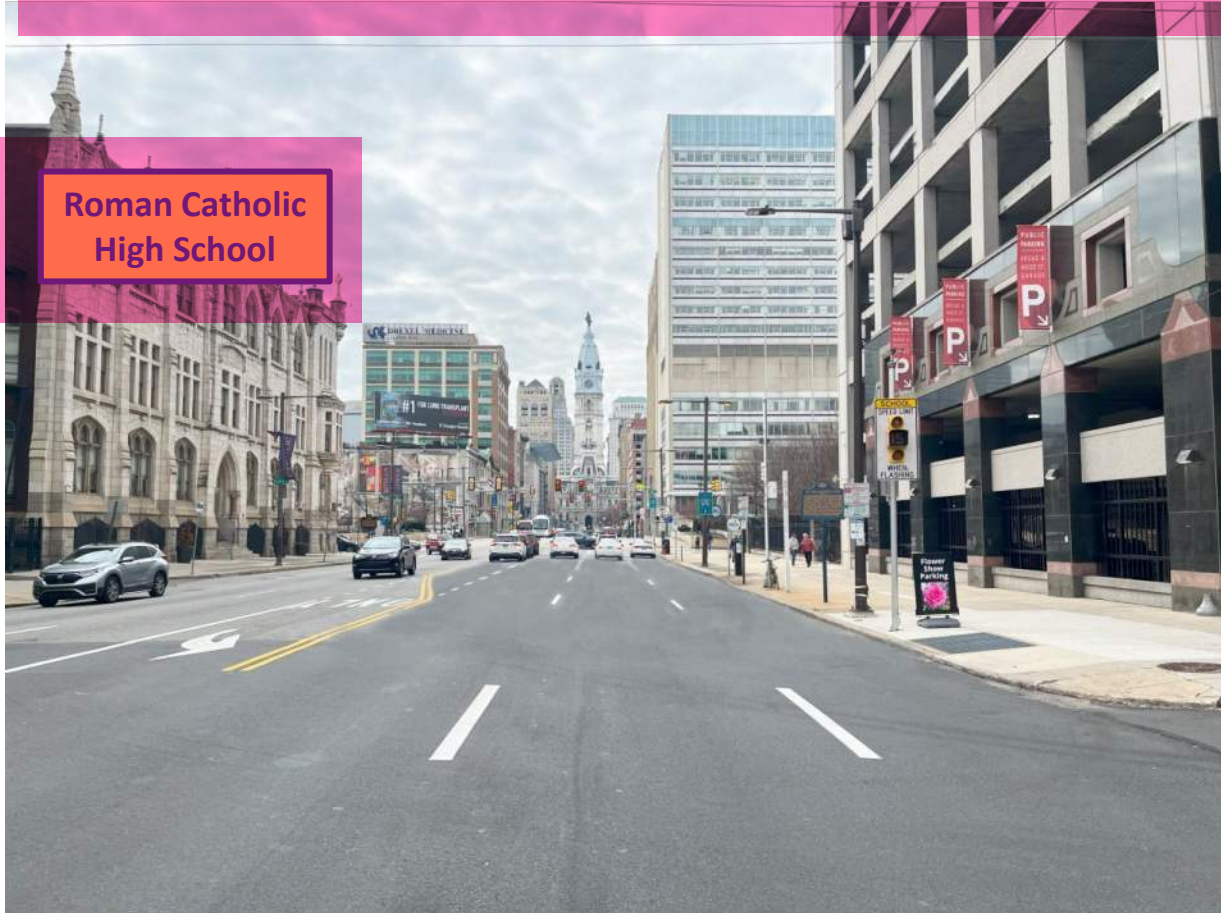
Improvements:

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



PROPOSED CONDITION 设计方案

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



Existing 当前情况



Proposed 设计方案



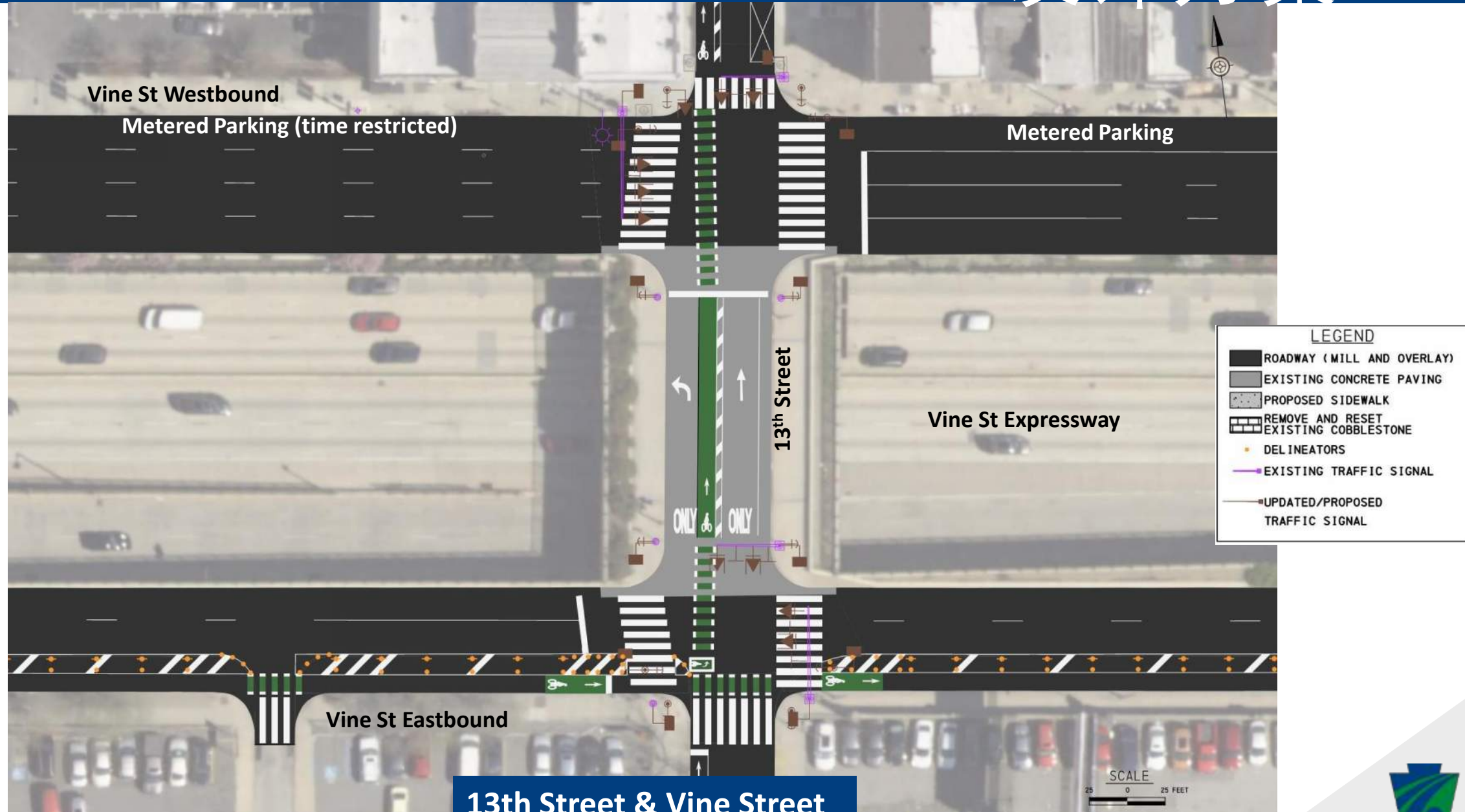
PROJECT OVERVIEW 项目总览



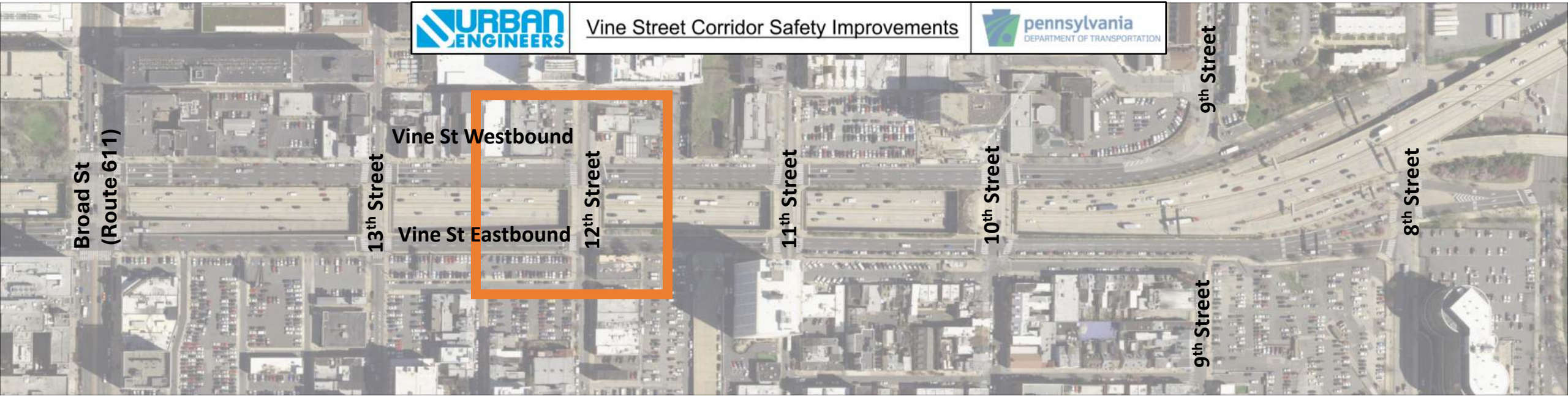
EXISTING CONDITION 当前情况



PROPOSED CONDITION 设计方案



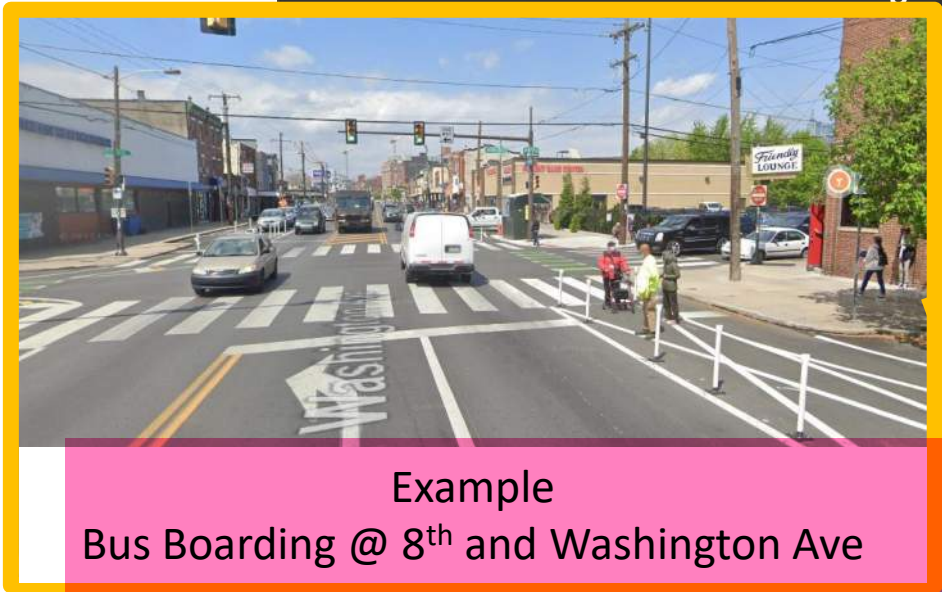
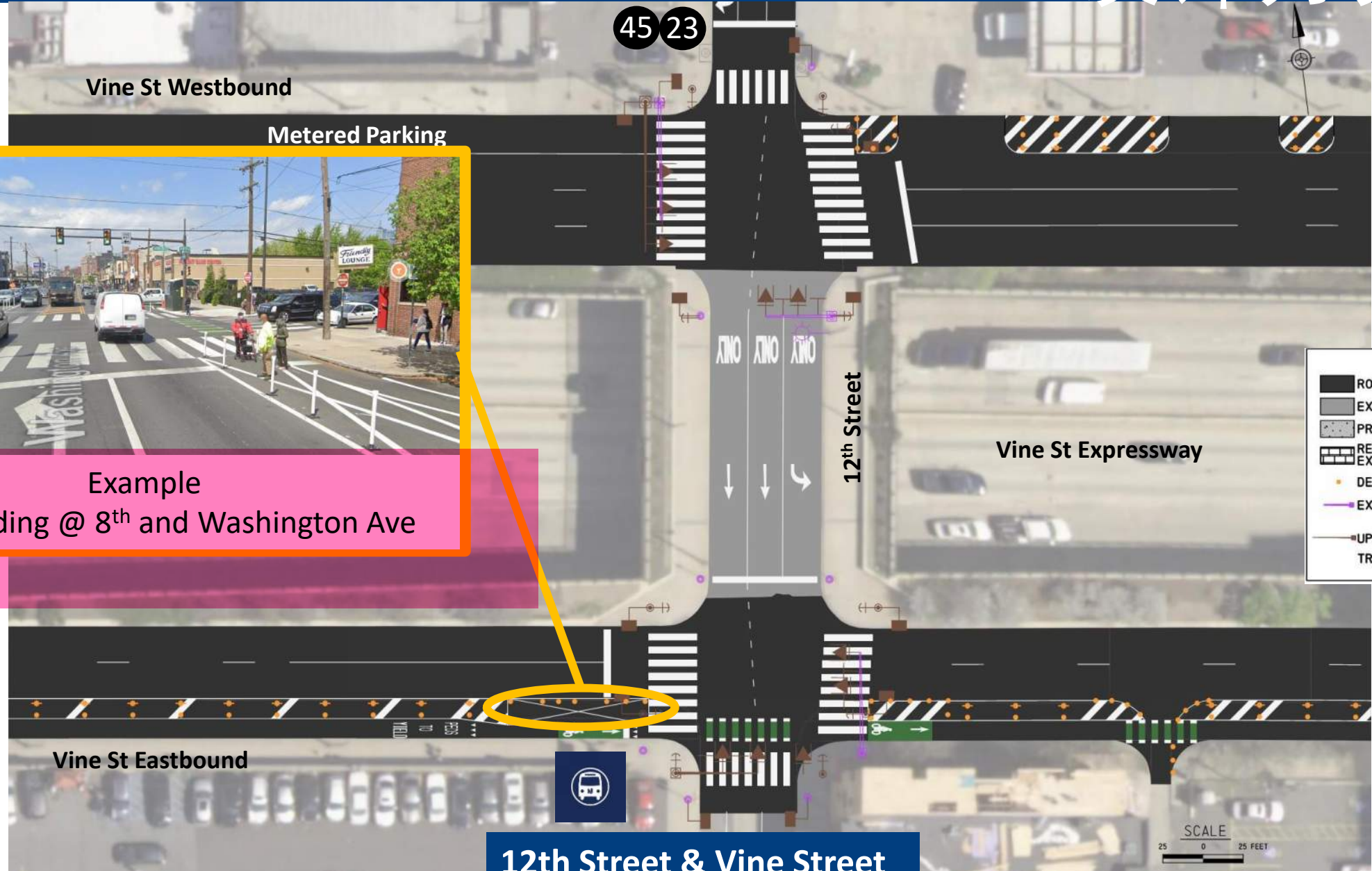
PROJECT OVERVIEW 项目总览



EXISTING CONDITION 当前情况



PROPOSED CONDITION 设计方案



Example
Bus Boarding @ 8th and Washington Ave

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

SCALE
25 0 25 FEET



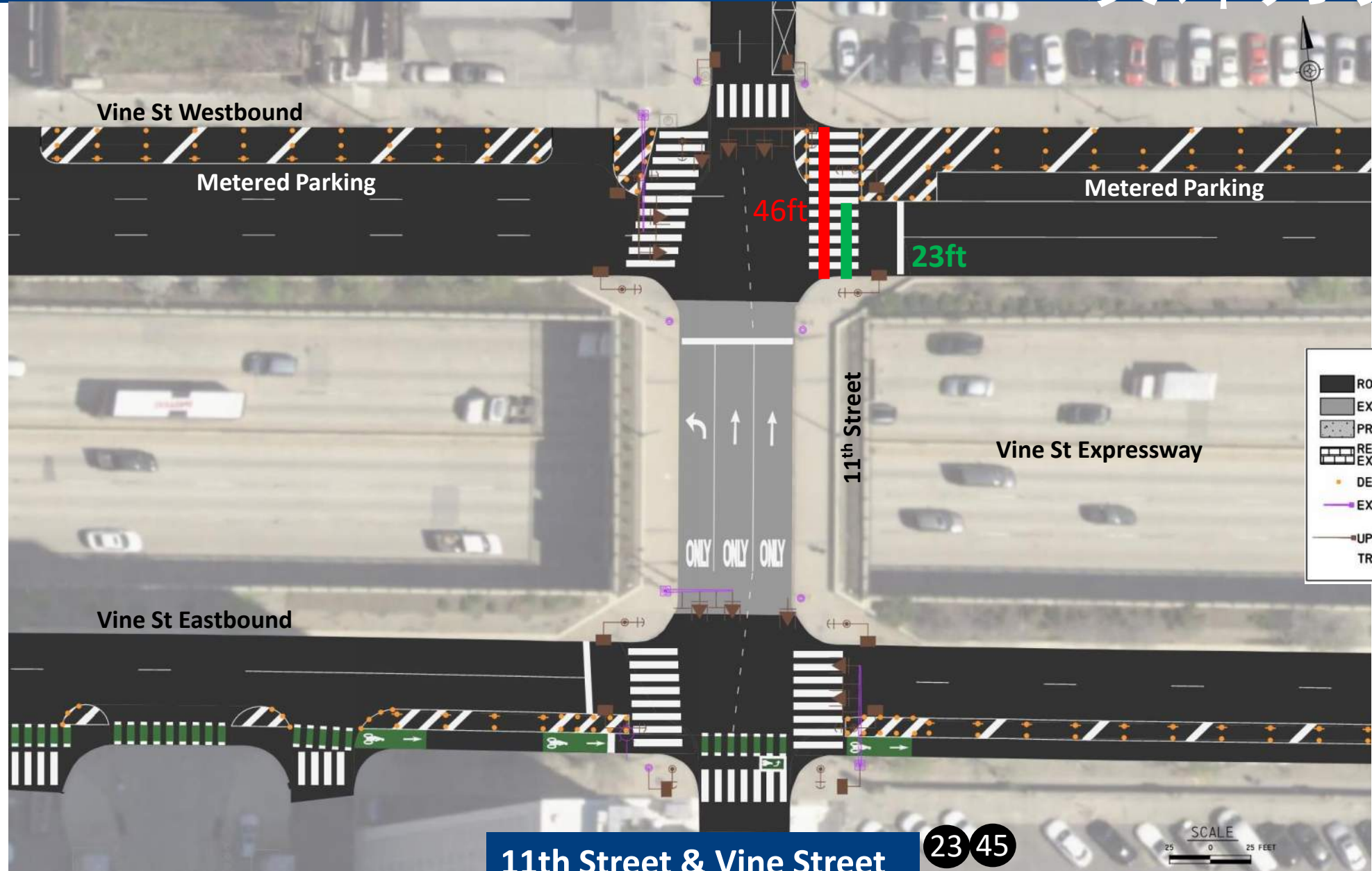
PROJECT OVERVIEW 项目总览



EXISTING CONDITION 当前情况



PROPOSED CONDITION 设计方案



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



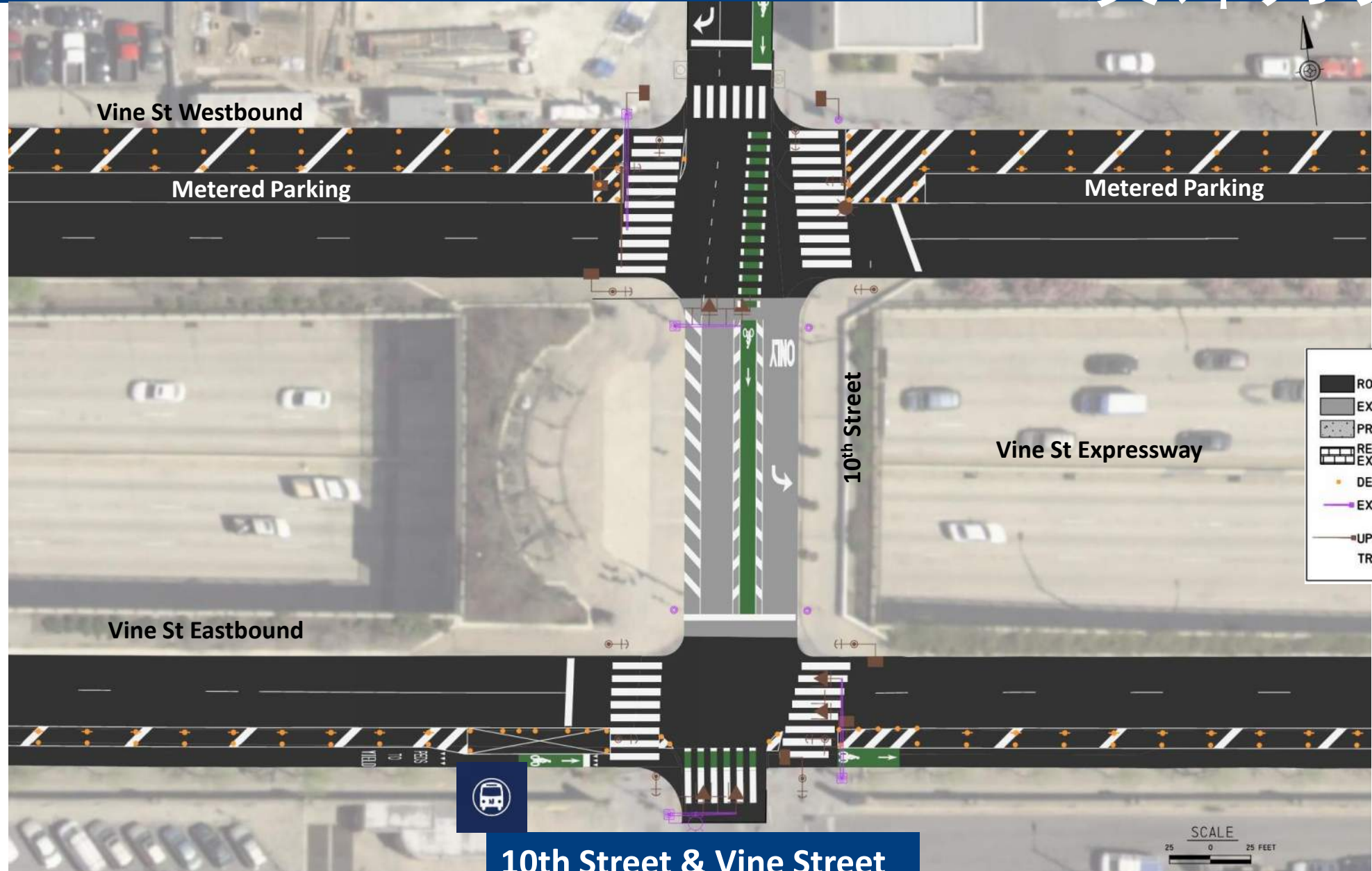
PROJECT OVERVIEW 项目总览



EXISTING CONDITION 当前情况



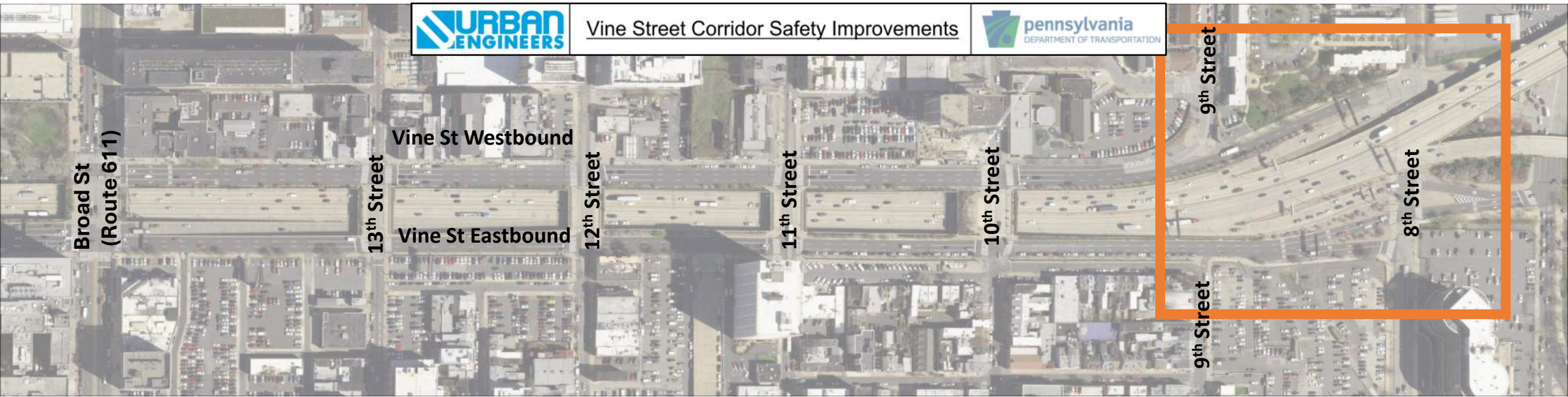
PROPOSED CONDITION 设计方案



10th Street & Vine Street



PROJECT OVERVIEW 项目总览



EXISTING CONDITION 当前情况



EXISTING CONDITION 当前情况



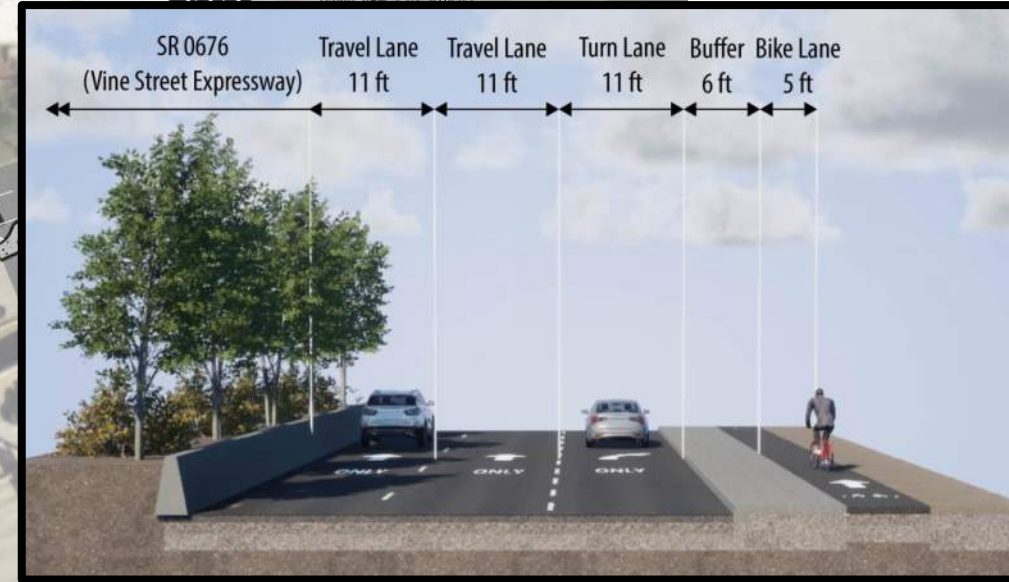
PROPOSED CONDITION 设计方案



LEGEND	
	ROADWAY (MILL AND OVERLAY)
	EXISTING CONCRETE PAVING
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PROPOSED CONDITION 设计方案



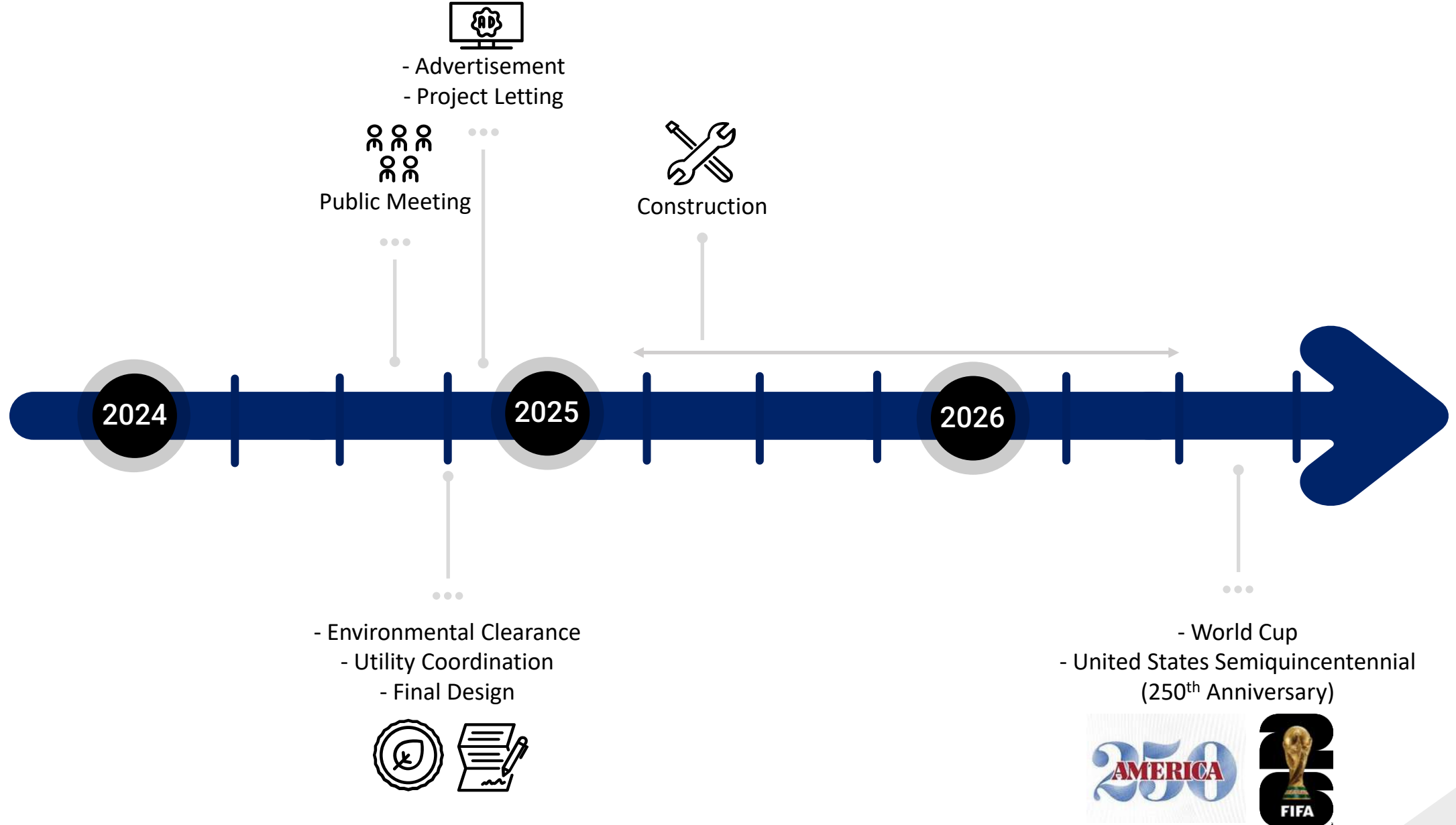
LEGEND	
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	PROPOSED SIDEWALK
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	DELINEATORS
	EXISTING TRAFFIC SIGNAL
	UPDATED/PROPOSED TRAFFIC SIGNAL



PROPOSED DESIGN 设计方案



PROJECT SCHEDULE 项目进程



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 宾夕法尼亚交通部 (PennDOT)将为此项目在费城华人天主教堂暨学校举办公众开放日
 - **Thursday October 24, 2024 from 6pm – 8pm 2024年10月24日星期四，下午6点至8点**



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