SR 2003/3100 SECTION SIP

HIGH STREET PEDESTRIAN SAFETY IMPROVEMENTS

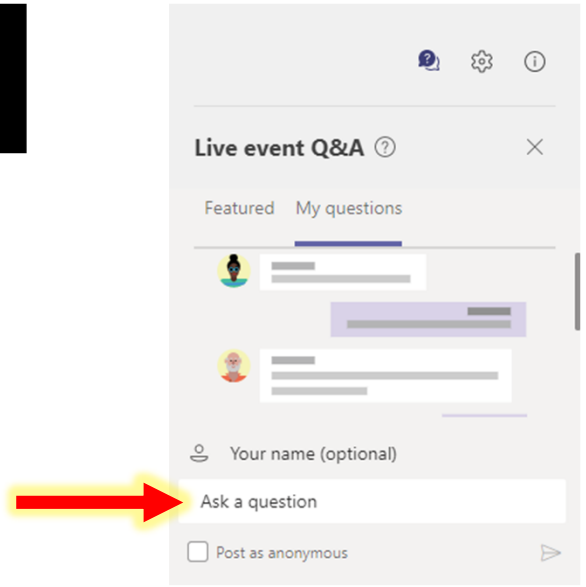
PUBLIC MEETING – DECEMBER 6, 2022

pennsylvania
DEPARTMENT OF TRANSPORTATION

MEETING INSTRUCTIONS

- If you have a question during the presentation, use the **Q&A Button** at the top of the Microsoft Teams window to input and post your question

- Questions will be answered at the end of the presentation



AGENDA

- Project Description
- Purpose & Need Statement
- Borough Corridor Study
- Existing Conditions
- Proposed Corridor Improvements
- Preliminary Plans
- Project Schedule
- Questions

PROJECT DESCRIPTION

- The project will include pedestrian safety measures and vehicle safety improvements along High Street (State Route 2003) between Miner Street and Rosedale Avenue, in West Chester Borough, Chester County
- The proposed improvements will include:
  - Curb extensions (bumpouts) with new ADA curb ramps
  - Existing traffic signal upgrades, new traffic signals and lighting
  - Updated pavement markings and signs
- There are no anticipated temporary or permanent right-of-way acquisitions for this project

PURPOSE & NEED STATEMENT

Purpose:

The purpose of this project is to improve the safe and efficient movement of pedestrians, motorists, and emergency services through the corridor.

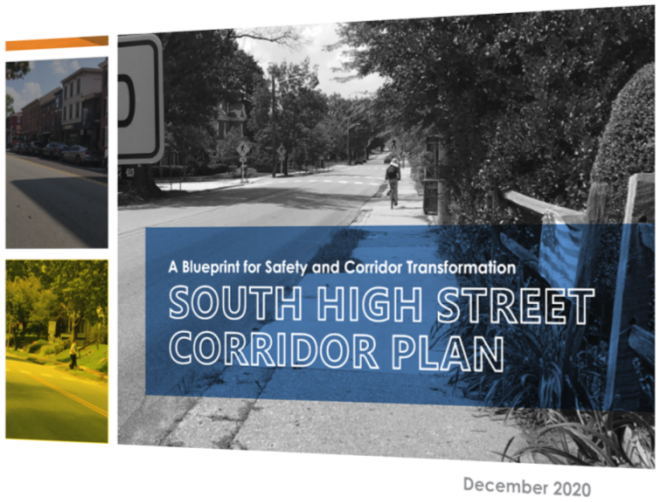
Need:

The project needs are based on reported crashes along the project corridor:

- High frequency of crashes involving pedestrians
- Higher-than-expected frequency of angle crashes

BOROUGH CORRIDOR STUDY

- Focused on safety of all users
- Sponsored by West Chester Borough, funded by Chester County's Vision Partnership Program
- Borough Study reviewed:
  - Traffic volumes (vehicles & peds.)
  - Transit ridership
  - Lighting conditions
  - Crash analysis
- Public Engagement (Jan. 2020)
- Developed Corridor Concept plans
- Study published (Dec. 2020)



BOROUGH CORRIDOR STUDY

- Borough Study Findings:
  - Volumes – Most pedestrian crossings occur at southern end
  - Transit – Busiest SEPTA stop at Linden Street stop
  - Lighting – Traffic volumes warrant more illumination
  - Crash Data – Largest concentrations at Barnard St and University/Linden/Rosedale
- Public Perception
  - Recognize the corridor as a “gateway” into borough
  - Pedestrian safety at intersections is biggest problem

EXISTING CONDITIONS

SB HIGH STREET AT MINER STREET

EB BARNARD STREET AT HIGH STREET

WB UNION AVENUE AT HIGH STREET

EB DEAN STREET AT HIGH STREET

NB HIGH STREET AT PRICE STREET

NB HIGH STREET AT SHARPLESS STREET

NB HIGH STREET AT UNIVERSITY AVENUE

NB HIGH STREET AT LINDEN STREET

NB HIGH STREET AT ROSEDALE AVENUE

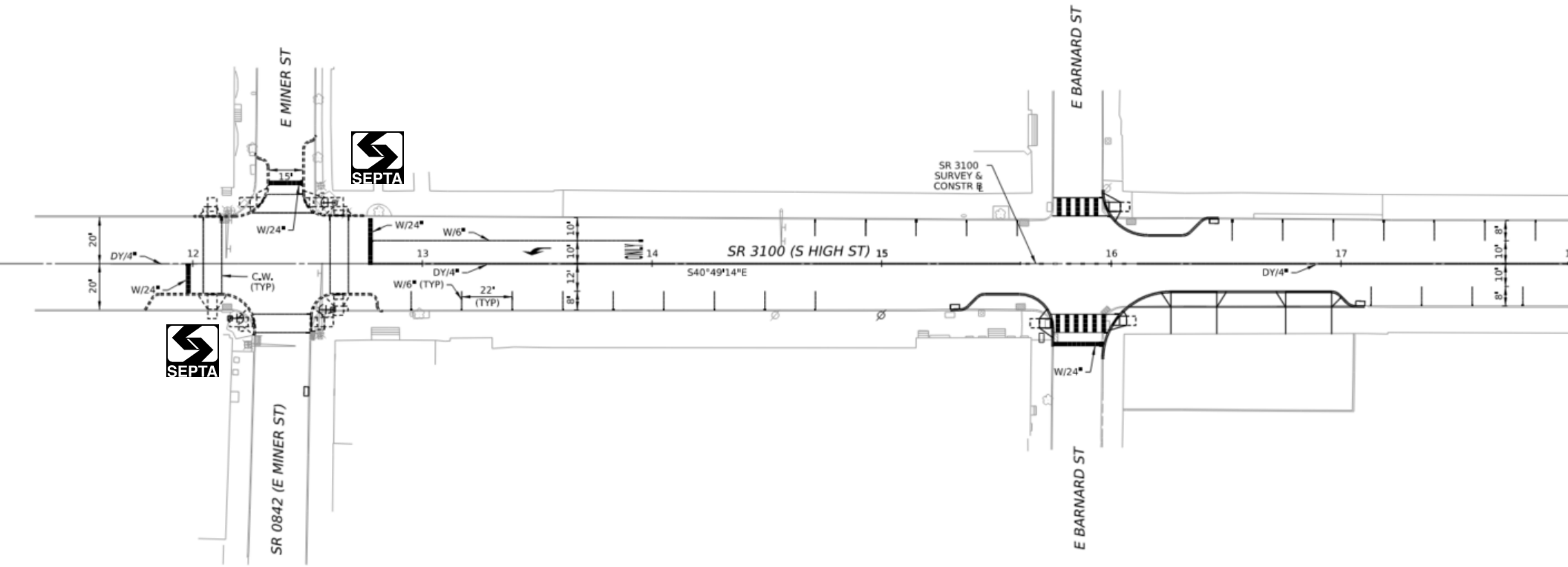
PROPOSED CORRIDOR IMPROVEMENTS

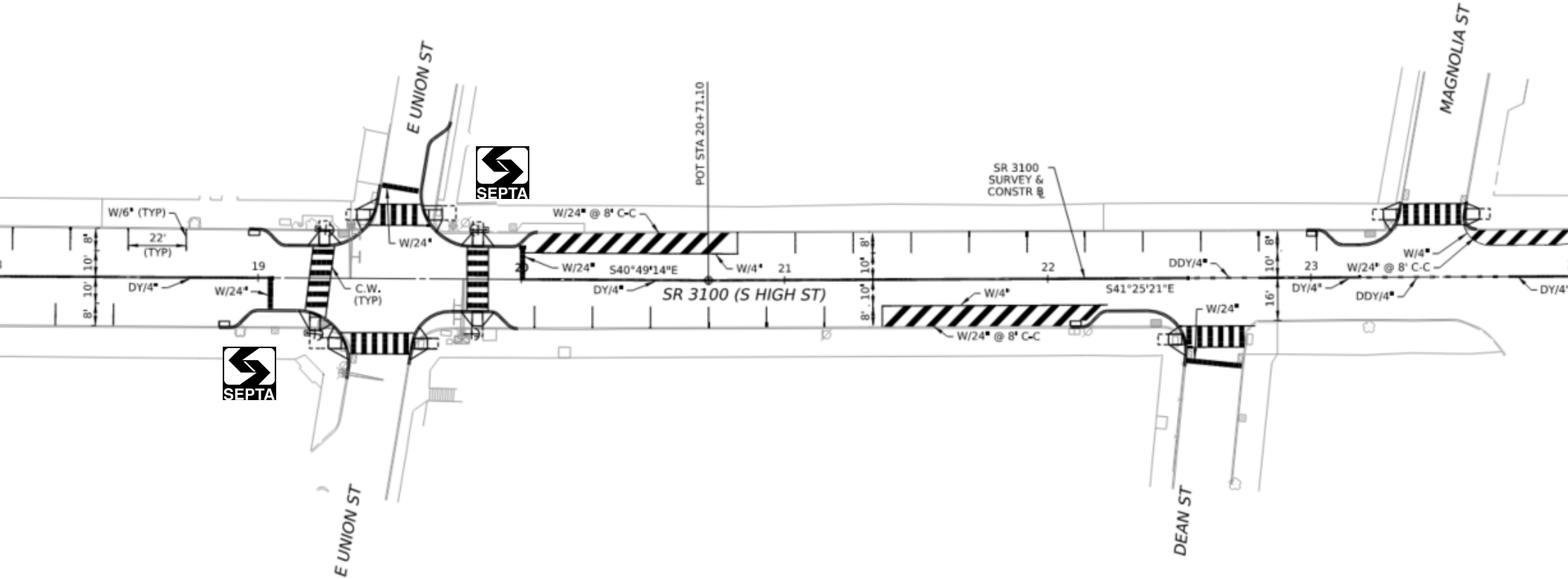
- New traffic signals at the Sharpless Street and University Avenue intersections.
- Existing signal upgrades will include signal pole mounted LED lighting, pedestrian push buttons and countdown timers
- Two-phase traffic signals with permitted left turns and leading pedestrian intervals (LPI).
- Curb extensions (bumpouts) with ADA curb ramps to improve safety at crossings for pedestrians.
- Updated pavement markings and street signage to meet current standards for safety.

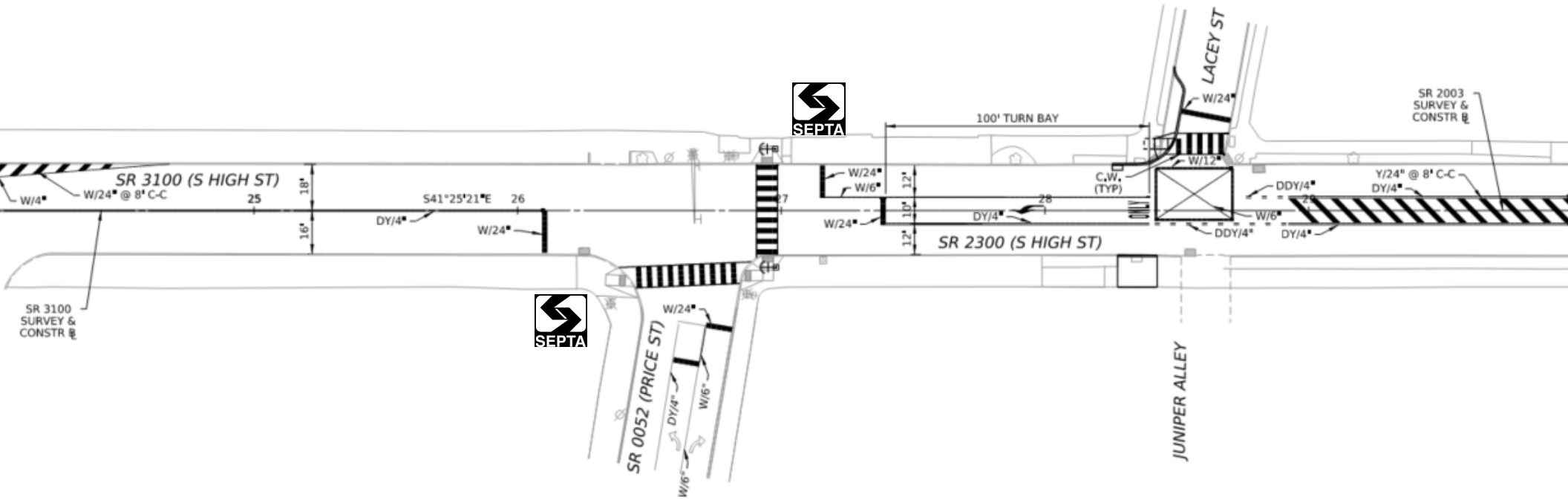
TRAFFIC ANALYSIS

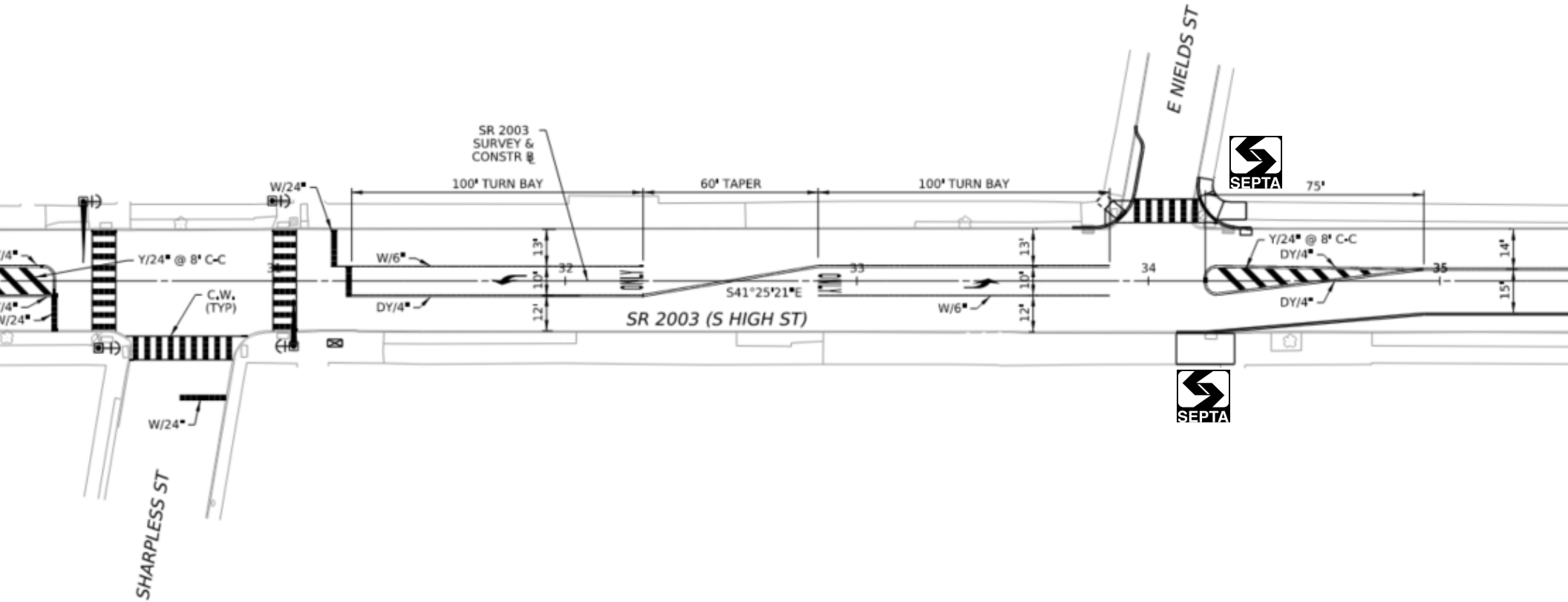
Intersection	Direction	Movement	Delay (in seconds)			
			Existing Conditions		Proposed Conditions	
			AM	PM	AM	PM
High Street and Sharpless Street	Eastbound Sharpless Street	Left-Right	20.7	78.3	43.1	50.7
	Northbound High Street	Left-Through	9.5	1.3	---	---
		Left	---	---	2.2	3.4
		Through	---	---	0.5	1.3
	Southbound High Street	Through-Right	0.0	0.0	6.4	9.4
		Overall	**2.4**	**11.0**	**7.6**	**11.5**
High Street and University Avenue	Eastbound University Avenue	---	---	---	---	---
	Northbound High Street	Left-Through	1.1	0.7	0.9	0.5
	Southbound High Street	Through-Right	0.0	0.0	0.5	0.4
		Overall	**0.6**	**0.4**	**0.5**	**0.5**
High Street and Linden Street	Westbound Linden Street	Left-Right	27.1	26.8	31.2	33.3
	Northbound High Street	Through	4.7	11.0	8.7	11.6
	Southbound High Street	Through	4.7	1.0	1.2	1.3
		Overall	**5.9**	**10.9**	**6.4**	**9.0**

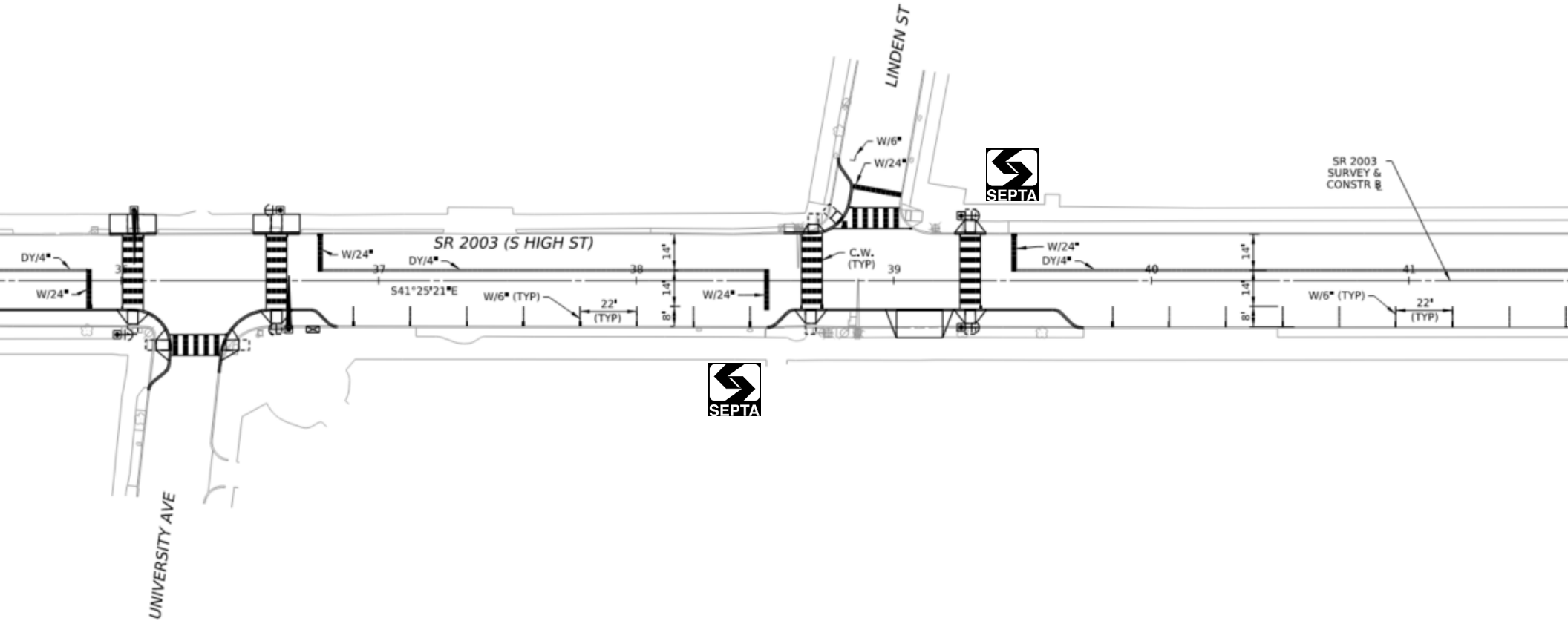
PROPOSED CORRIDOR IMPROVEMENT PLANS

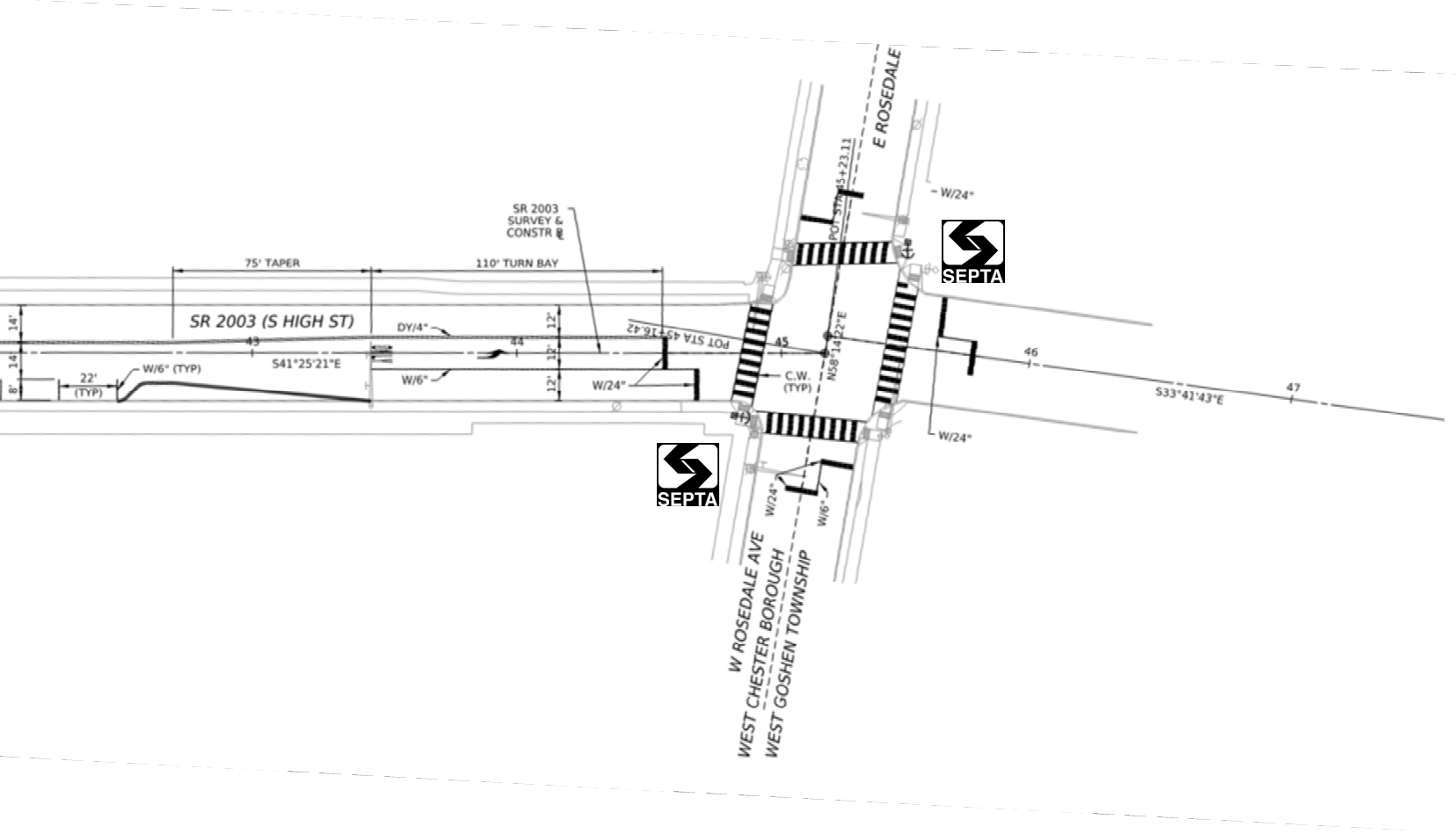

E MINER ST
E BARNARD ST
SEPTA
SEPTA
SR 3100
SURVEY &
CONSTR
SR 3100 (S HIGH ST)
S40°49'14"E
SR 0842 (E MINER ST)
E BARNARD ST
W/24"
W/6"
DY/4"
W/6" (TYP)
22"
(TYP)
C.W.
(TYP)
20'
10'
12'
8'
12
13
14
15
16
17


E UNION ST
SEPTA
POT STA 20+71.10
SR 3100
SURVEY &
CONSTR ℄
MAGNOLIA ST
W/6" (TYP)
22'
(TYP)
W/24"
W/24" @ 8' C-C
19
20
21
22
23
DY/4"
W/24"
C.W.
(TYP)
W/24"
S40°49'14"E
W/4"
DY/4"
SR 3100 (S HIGH ST)
W/4"
S41°25'21"E
DDY/4"
W/24"
W/24" @ 8' C-C
DY/4"
W/4"
W/24" @ 8' C-C
DDY/4"
DY/4"
SEPTA
E UNION ST
DEAN ST


SR 3100 (S HIGH ST)
W/4"
W/24" @ 8" C-C
25
18"
16"
S41°25'21"E
26
DY/4"
W/24"
SR 3100
SURVEY &
CONSTR ℄
SEPTA
27
W/24"
W/6"
12"
10"
12"
100' TURN BAY
C.W.
(TYP)
28
DY/4"
SR 2300 (S HIGH ST)
LACEY ST
W/24"
W/12"
ONLY
DDY/4"
W/6"
DY/4"
SR 2003
SURVEY &
CONSTR ℄
Y/24" @ 8" C-C
DY/4"
SEPTA
W/24"
SR 0052 (PRICE ST)
DY/4"
W/6"
W/6"
JUNIPER ALLEY


E NIELDS ST
SR 2003
SURVEY &
CONSTR ℄
W/24"
100' TURN BAY
60' TAPER
100' TURN BAY
75'
SEPTA
Y/24" @ 8' C-C
W/6"
DY/4"
C.W.
(TYP)
S41°25'21"E
SR 2003 (S HIGH ST)
W/6"
DY/4"
Y/24" @ 8' C-C
DY/4"
DY/4"
W/24"
SHARPLESS ST
SEPTA


LINDEN ST
W/6"
W/24"
SEPTA
SR 2003
SURVEY &
CONSTR ℄
SR 2003 (S HIGH ST)
DY/4"
W/24"
37
DY/4"
38
14'
C.W.
(TYP)
39
W/24"
DY/4"
40
14'
41
S41°25'21"E
W/6" (TYP)
22'
(TYP)
8'
14'
W/24"
14'
W/6" (TYP)
22'
(TYP)
SEPTA
UNIVERSITY AVE



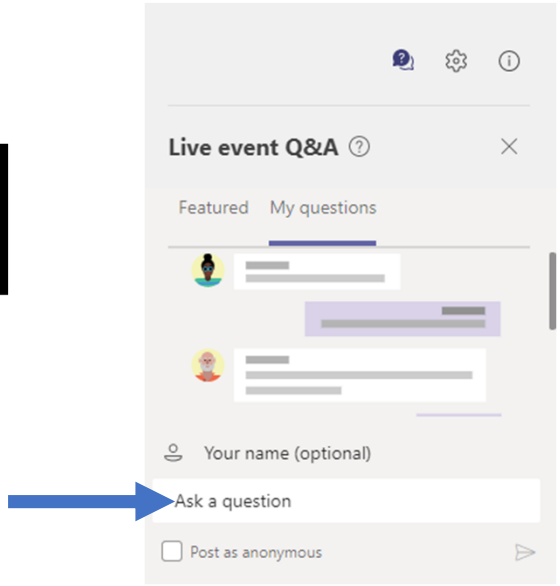
E ROSEDALE
SR 2003
SURVEY &
CONSTR ℄
75' TAPER
110' TURN BAY
SR 2003 (S HIGH ST)
DY/4"
S41°25'21"E
W/6" (TYP)
22'
(TYP)
W/6"
W/24"
POT STA 45+16.42
C.W.
(TYP)
N58°14'22"E
S33°41'43"E
W/24"
W/24"
W/24"
W/6"
SEPTA
SEPTA
W ROSEDALE AVE
WEST CHESTER BOROUGH
WEST GOSHEN TOWNSHIP

PROJECT SCHEDULE

- Environmental Clearance – Late 2022
- Final Design – Early 2023
- Project Let – September 2023
- Construction – Late 2023 thru 2024

QUESTIONS

Please use **Meeting chat** at the top of the Microsoft Teams window to type & post your question.



Please visit the project website for more information:
https://www.penndot.pa.gov/RegionalOffices/district-6/PublicMeetings/Chester%20County/Pages/High-Street-Pedestrian-Improvements.aspx