



CHEROKEE STREET OVER VALLEY GREEN ROAD BRIDGE

COMMUNITY MEETING
10/24/2024

Springside Chestnut Hill Academy
500 West Willow Grove Ave



City of
Philadelphia



INTRODUCTIONS

❖ Project Team

- COP Department of Streets – Project Manager
- WSP USA, Inc – Design Consultant





MEETING PURPOSE

- ❖ Provide a project status update
- ❖ Review the planned improvements
- ❖ Discuss traffic detour and proposed color scheme
- ❖ Present the next steps





AGENDA

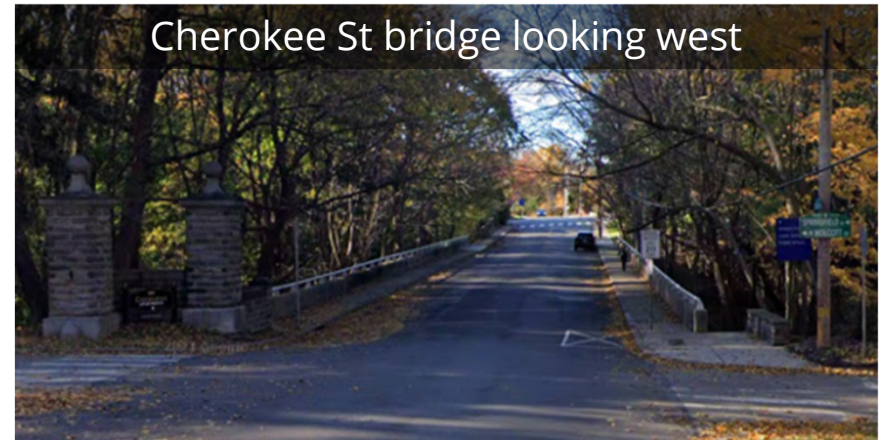
- ❖ Current Bridge Conditions
- ❖ Project Limits
- ❖ Planned Improvements
- ❖ Cross Section
- ❖ Aesthetics and Colors
- ❖ Drainage
- ❖ Construction Schedule, Traffic Impacts, and Detour
- ❖ Project Status (Funding, Next Steps)
- ❖ Q&A Session





EXISTING BRIDGE

- ❖ Built in 1960
- ❖ Prestressed I-beam bridge
- ❖ Total length: 220'
- ❖ 3570 vehicles per day



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CURRENT CONDITION

- ❖ 64 years old
- ❖ Poor condition
- ❖ 20 ton weight restriction
- ❖ Deteriorated concrete
- ❖ Existing barriers are too short
- ❖ Doesn't meet today's safety standards





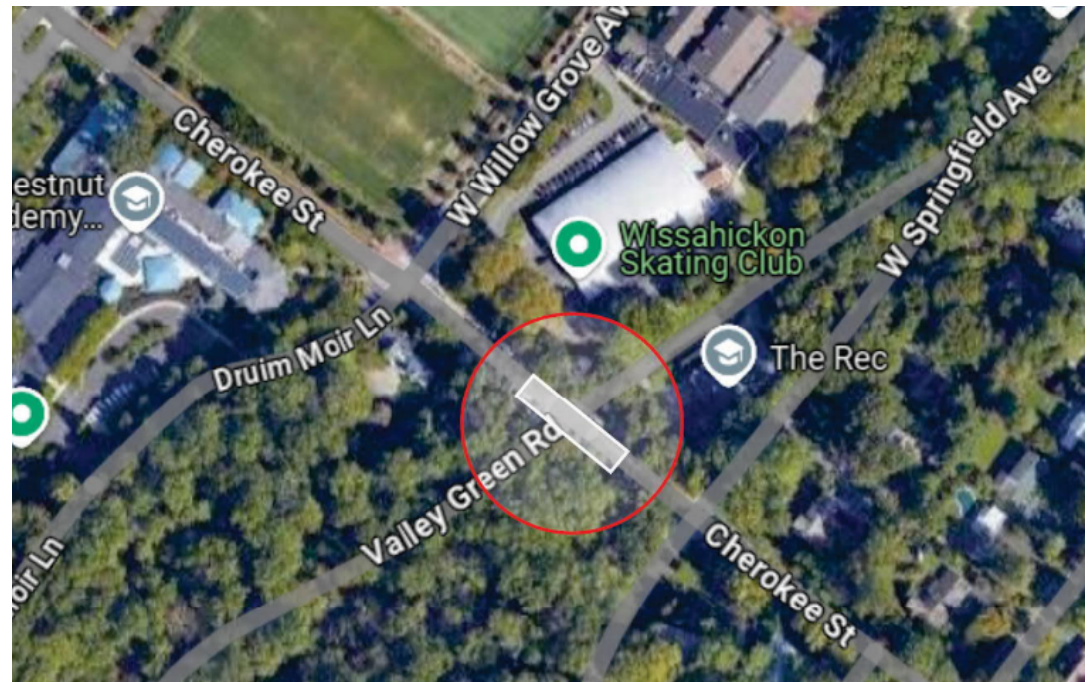
- ❖ Concrete deck is leaking
- ❖ Rusted bearings
- ❖ Concrete cracking and spalling piers and abutments





PROJECT LOCATION




- ❖ Cherokee Street over Valley Green Road in Chestnut Hill between Willow Grove Avenue and Springfield Avenue





PROJECT LIMITS



-  Cherokee Street bridge
-  Bridge Approach Slab
-  Roadway Approach Work



PLANNED IMPROVEMENTS

- ❖ Reconstruction of deck, sidewalks, beams and barriers
- ❖ Repairs to existing piers and abutments





PROJECT SCOPE

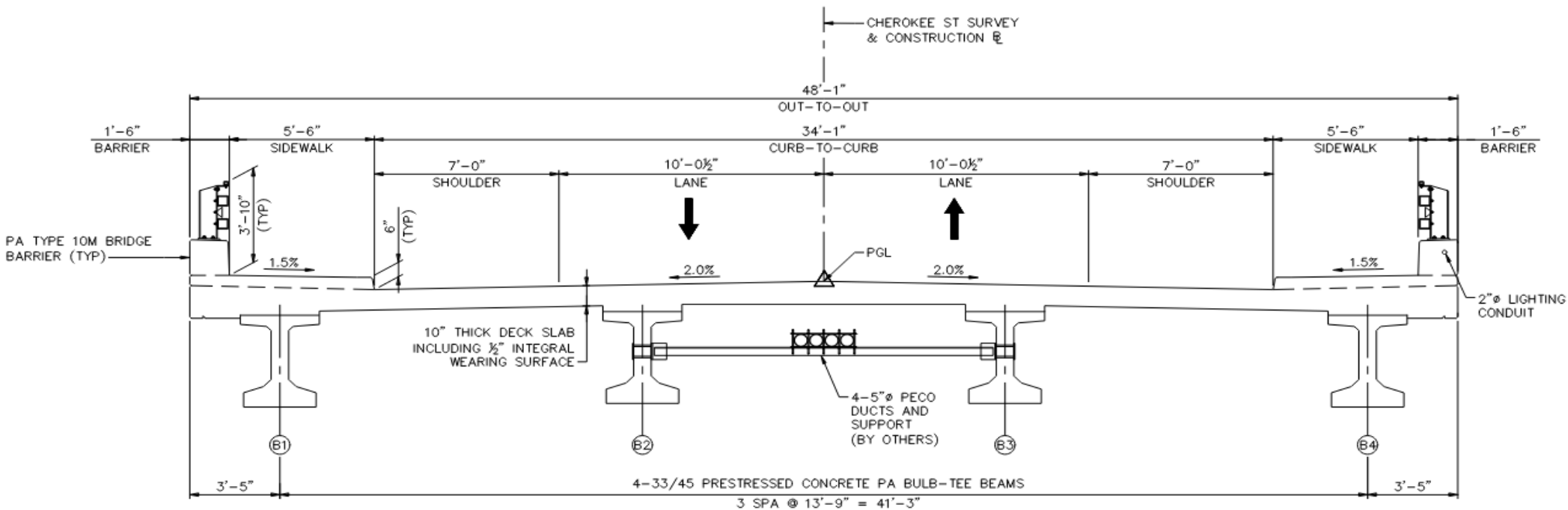
- ❖ Demolition and removal of existing barriers, sidewalks, deck, and beams
- ❖ Replace existing I-beams with PA Bulb-Tee beams
- ❖ New sidewalk and barrier to meet current safety standards
- ❖ Perform concrete repairs to piers and abutments that support the beams



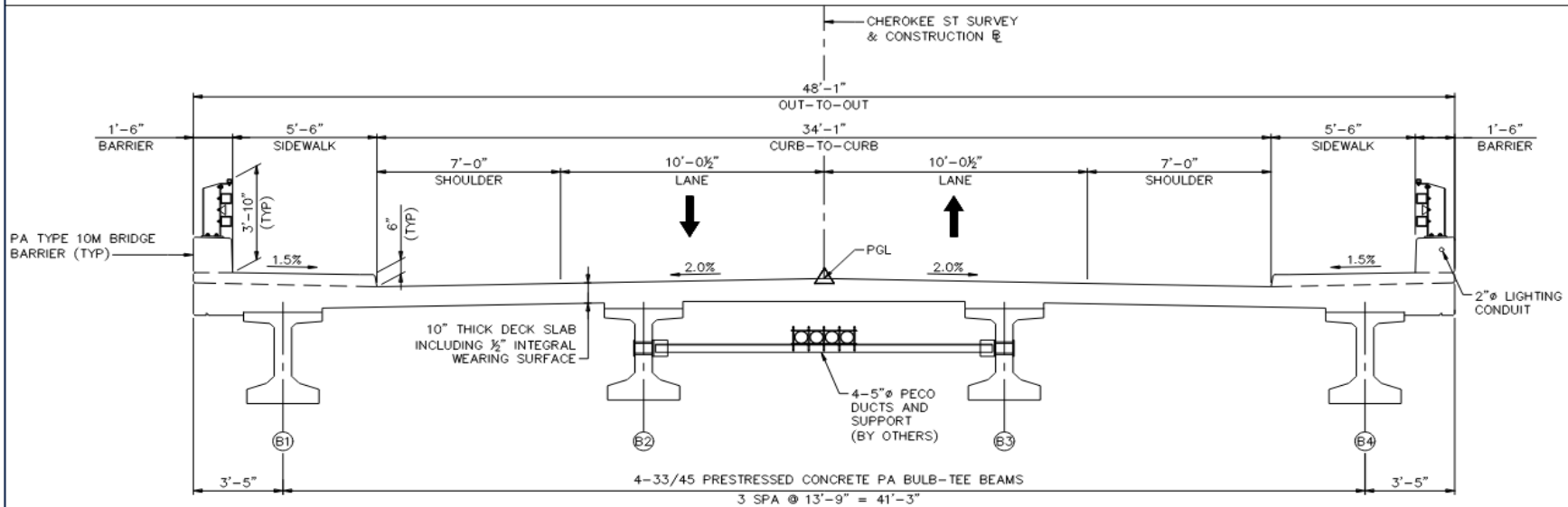
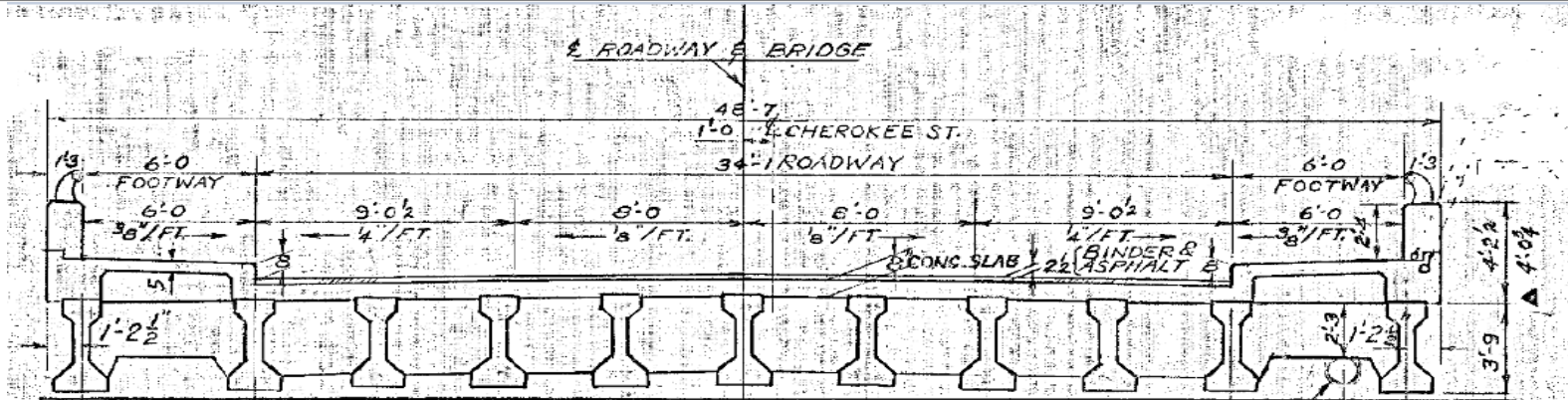


SUPERSTRUCTURE REPLACEMENT- TYPICAL SECTION

- ❖ Roadway width stays 34'-1"
- ❖ Sidewalk width reduces to 5'-6"
- ❖ Making room for wider crashworthy barriers- 1'-6" wide and 3'-10" high



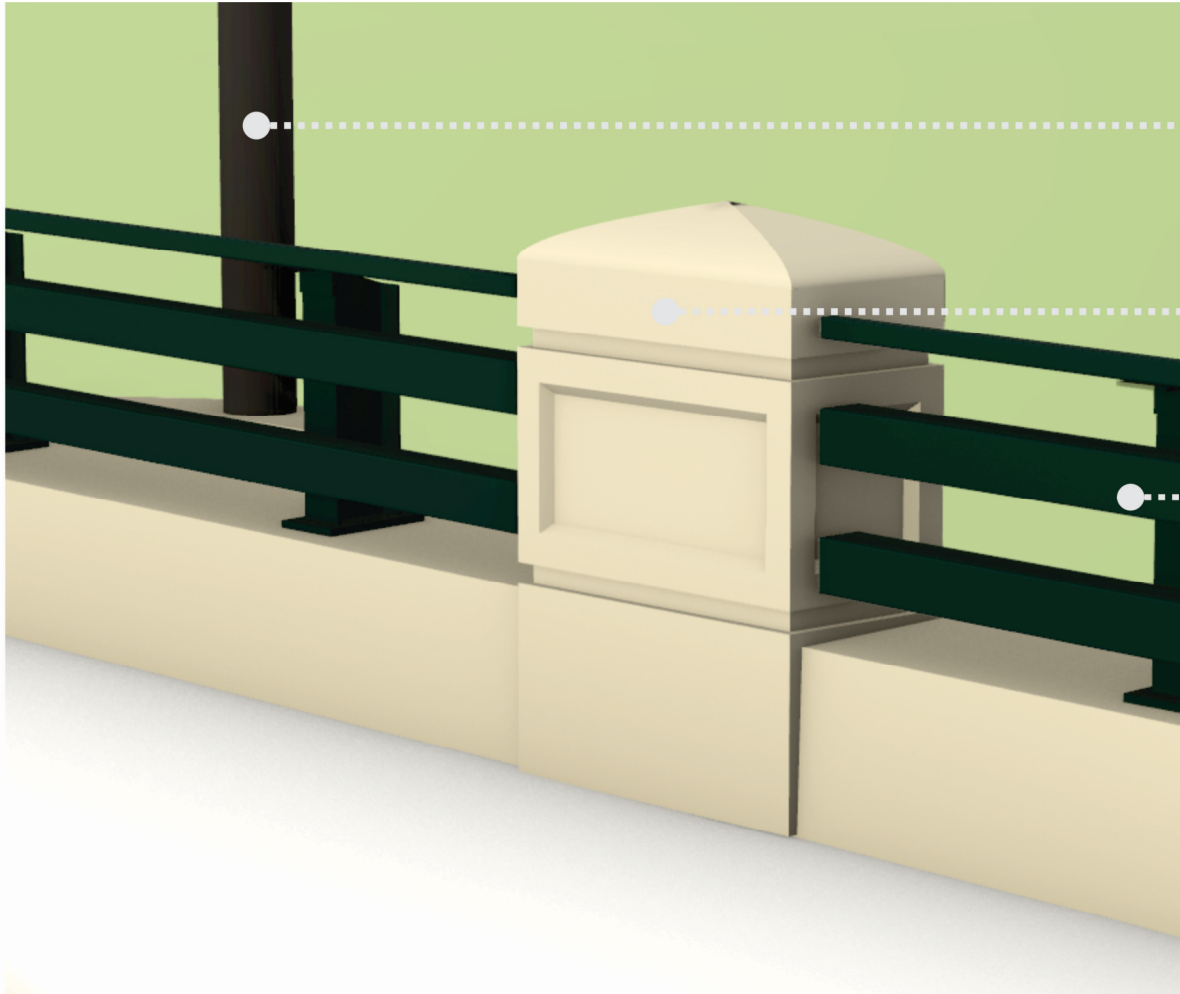
Existing bridge cross section



Proposed bridge cross section



AESTHETICS & COLORS



Lightpost
20040 Semigloss



Parapet & Pillar
36586 Matte



Railing
24036 Semigloss



VIEW FROM VALLEY GREEN ROAD



Railing
24036 Semigloss



Girders
30040 Matte



Parapet & Pillar
36586 Matte

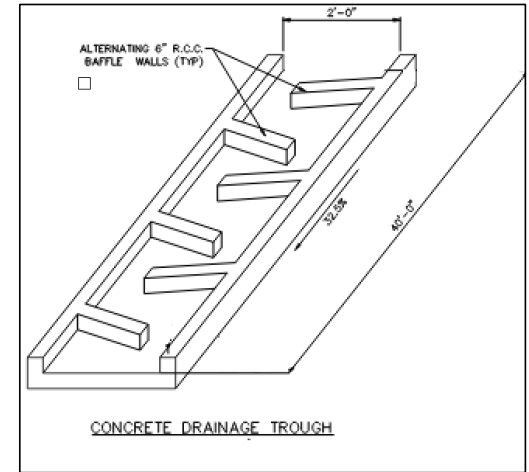
CHEROKEE STREET OVER VALLEY GREEN ROAD- PROPOSED





UPDATED 9/22/2023



DRAINAGE



-  Proposed drainage
-  Existing drainage



CONSTRUCTION SCHEDULE

Close Cherokee Street

Winter 2024-25	Spring 2025	Summer 2025	Fall 2025	Winter 2025-26	Spring 2026	Summer 2026	Fall 2026	Winter 2026-27	Spring 2027
Final Design									
	Award								
		Offsite Procurement							
		Utility Relocation							
			Demolition						
					Construction				



CHEROKEE STREET VEHICULAR DETOUR



— Northbound
thru traffic
— Southbound
thru traffic

- ❖ **Northbound Traffic (Red):**
 - Mermaid Lane
 - St. Martins Lane
 - Willow Grove Avenue
- ❖ **Southbound Traffic (Purple)**
 - Willow Grove Avenue
 - St. Martins Lane
 - Mermaid Lane





VALLEY GREEN ROAD VEHICULAR DETOUR

-  Eastbound thru traffic
-  Westbound thru traffic

- Detour twice
- During heavy construction activities





PROJECT STATUS

WORK TO DATE AND NEXT STEPS



City of
Philadelphia



WORK TO DATE

- ❖ **Current Phase:** Final Design Stage
- ❖ **Project Construction Funding:**
 - 100 Fed / 0 State / 0 City





NEXT STEPS- WHAT TO EXPECT

- ❖ The bridge will be closed to motorists, cyclists, and pedestrians during construction.
- ❖ Vehicular detours will be posted.
- ❖ The Streets Construction Unit will have a dedicated on-site representative for this project to answer any questions or concerns during construction.
- ❖ Regular updates about the project will be posted on Philadelphia Streets website and social media platforms.
 - ❖ Instagram: <https://www.instagram.com/philastreet/>
 - ❖ Facebook: <https://www.facebook.com/PhilaStreets/>
 - ❖ City of Phila website: [Design and construction | Department of Streets | City of Philadelphia](#)





Q&A SESSION

Email any questions to cherokeebridgerehab@phila.gov