



NOBLE STREET OVER 13TH STREET

Bridge Superstructure Replacement
2024



City of
Philadelphia



INTRODUCTIONS

- ❖ DEPARTMENT OF STREETS PROJECT TEAM
 - Vadim Fleysh PE , Chief Engineer and Surveyor
 - Benjamin Cohen PhD, EIT Supervisor I



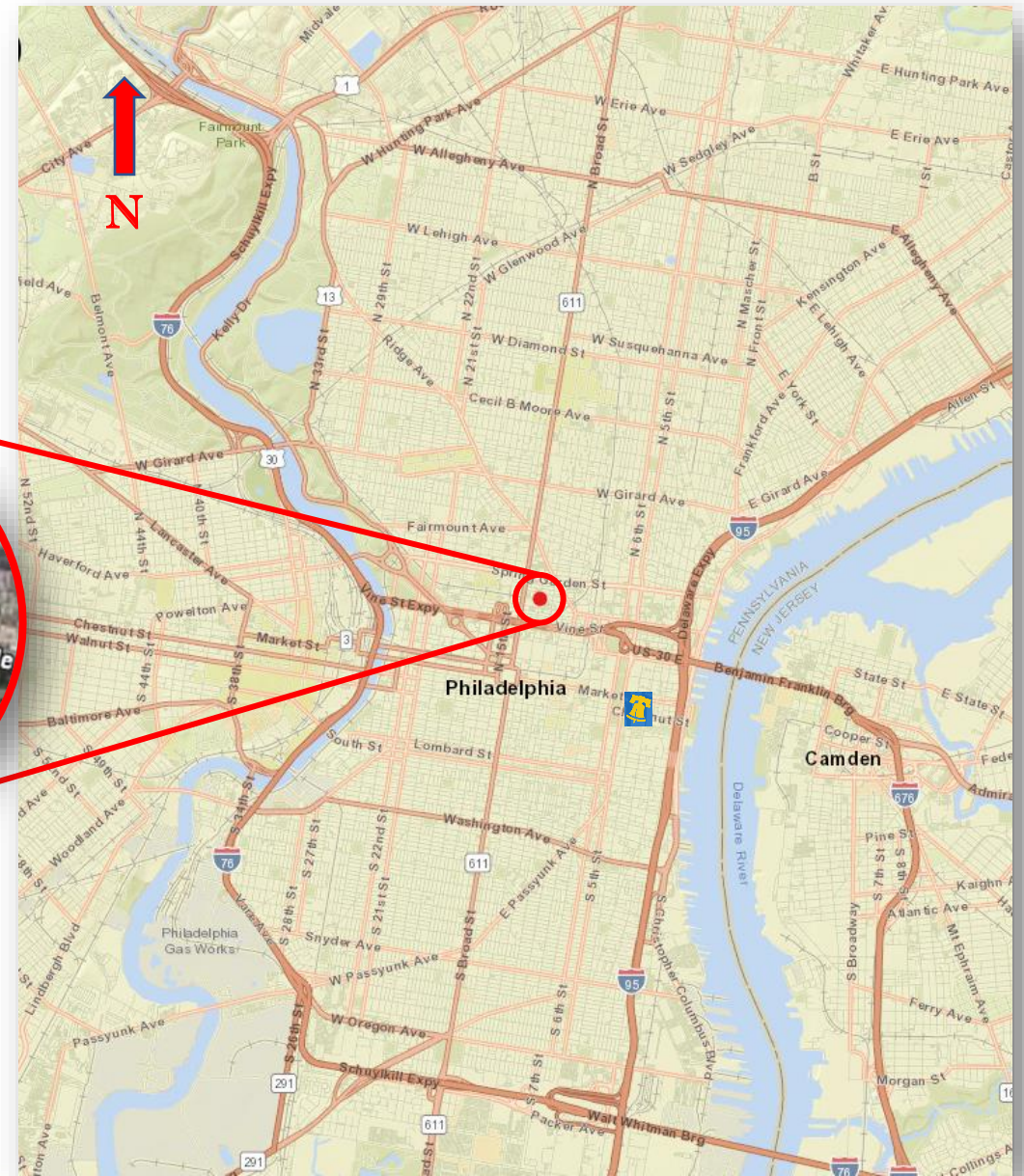


AGENDA

- ❖ Project Location
- ❖ Existing Bridge and Current Conditions
- ❖ Scope
- ❖ Aesthetics
- ❖ Construction Schedule
- ❖ Vehicular Detours
- ❖ Project Status
- ❖ Community Feedback

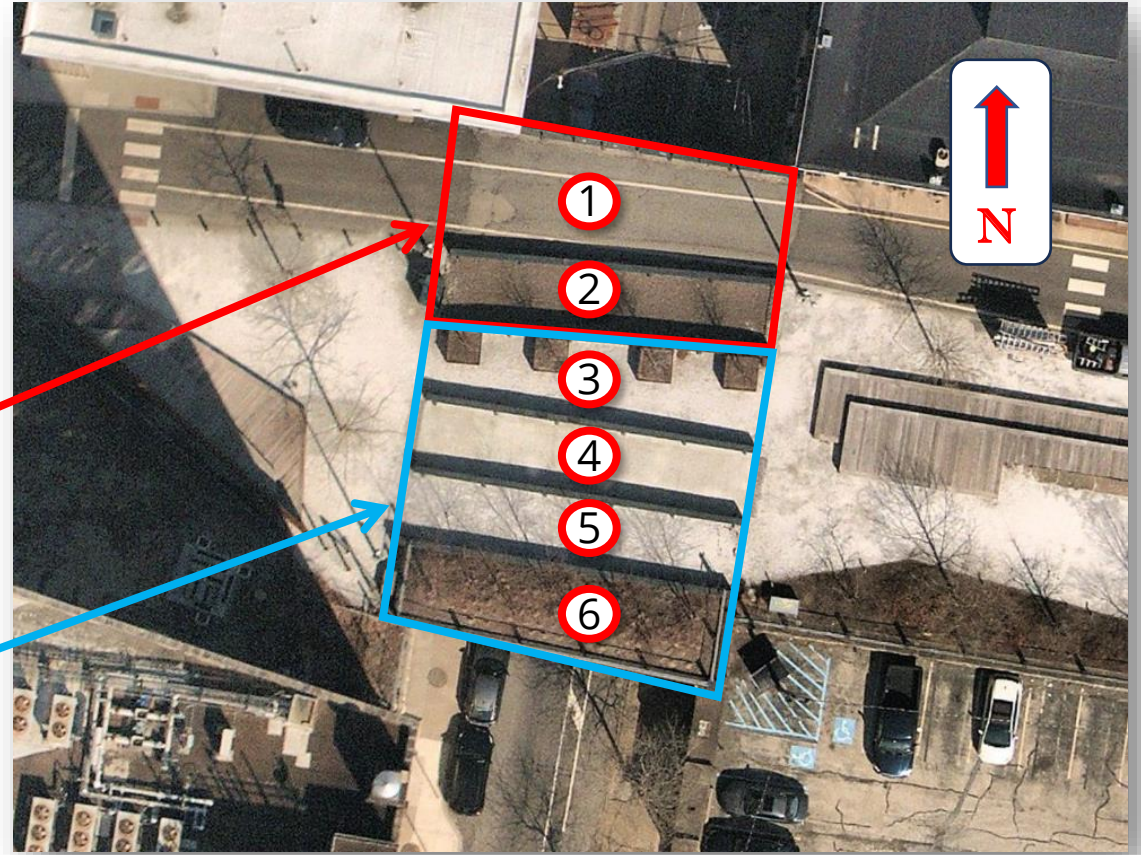


PROJECT LOCATION



EXISTING BRIDGE

- ❖ Current bridge has 6 bays
- ❖ 3 bays to the north belong to Streets, 3 on south belong to Parks & Rec.
- ❖ 2 bays on north will be replaced in this project
- ❖ The 4 bays on south were rehabilitated in 2018 when the Rail Park was built



EXISTING BRIDGE

- ❖ Constructed in 1892
- ❖ 53' Span – low vehicular daily traffic
- ❖ Closed to traffic August 2024



CURRENT CONDITIONS

- ❖ Existing bridge is in poor condition
- ❖ Steel girders show extensive corrosion throughout with up to 100% section loss



Truck collisions with bridge



Holes in beams

CURRENT CONDITIONS

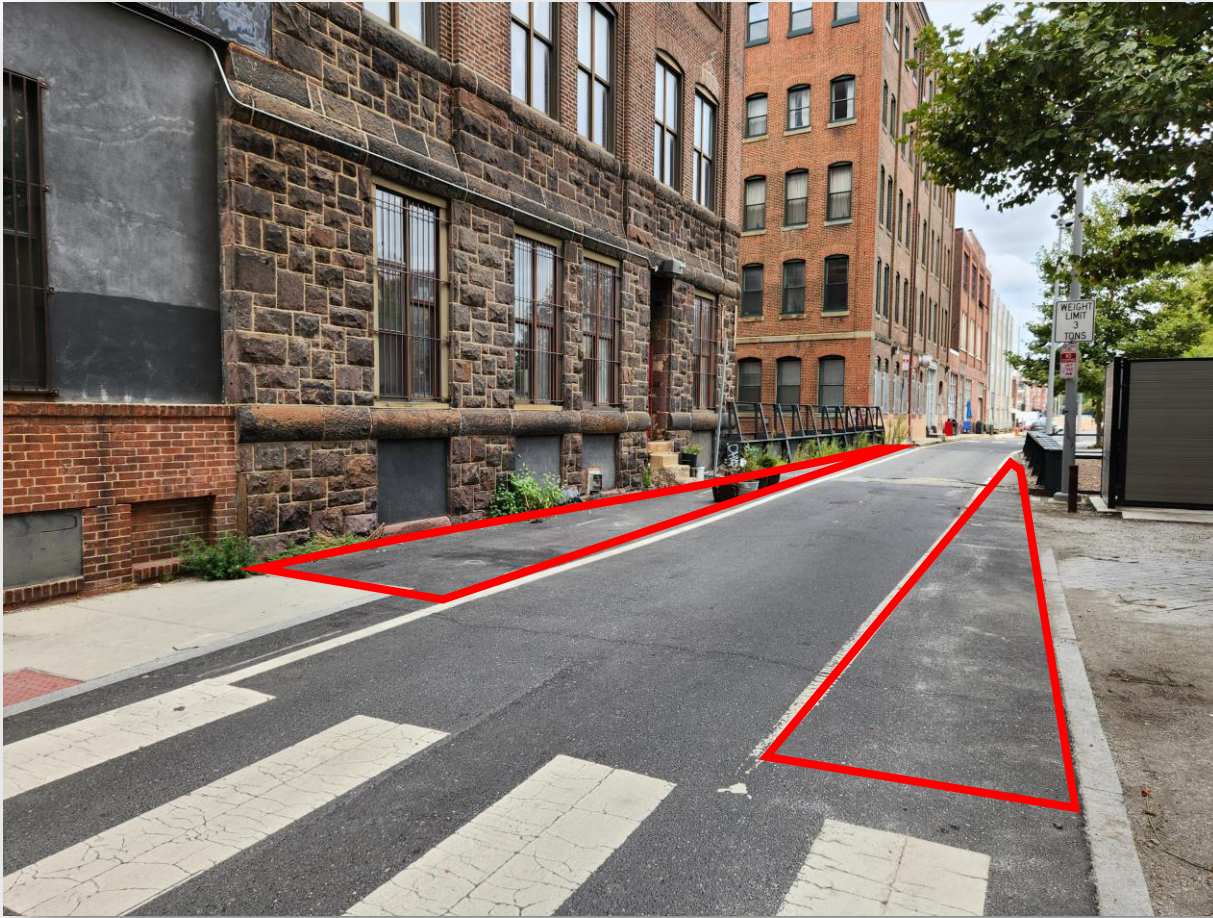


Deteriorated Bearings



Collision damage to
through girder

CURRENT CONDITIONS



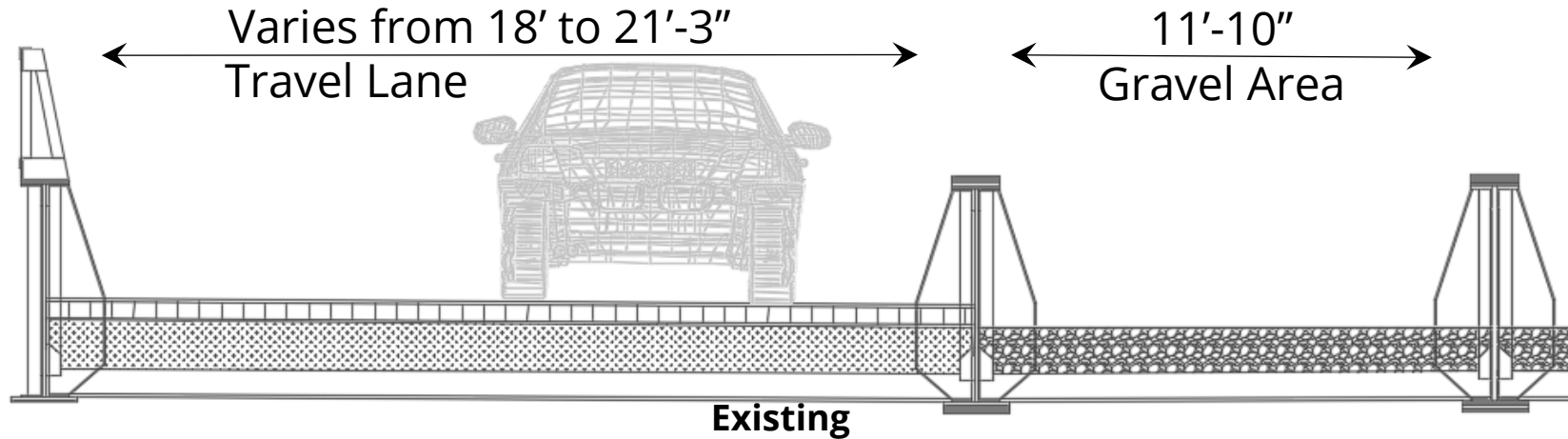
- ❖ No sidewalks
- ❖ Roadway has poor alignment
- ❖ Existing barriers do not meet current safety standards

PROJECT SCOPE

- ❖ Remove existing superstructure
- ❖ Construct concrete deck on steel beams
- ❖ Connect sidewalks on north side
- ❖ Improved roadway geometry
- ❖ Increased clearance along 13th Street
- ❖ Keep the existing abutment walls

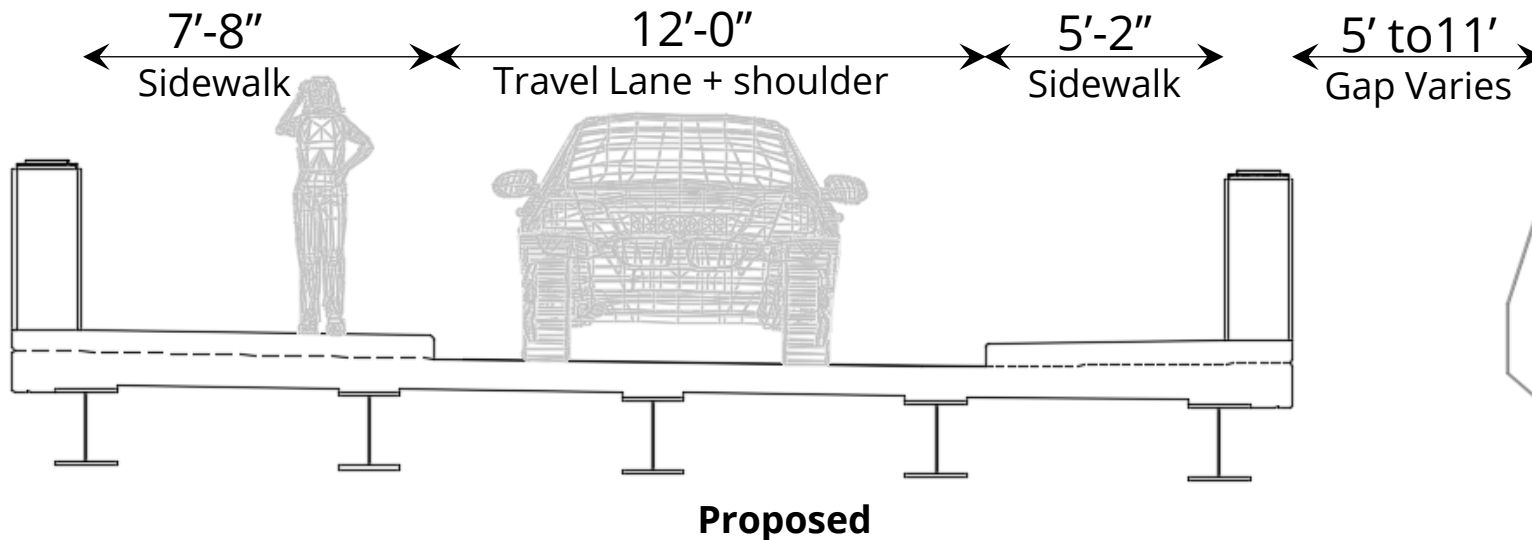


New Roadway Layout



Existing (Looking East)

- Inconsistent Width
- Unused Space
- Illegal Parking
- No Sidewalk

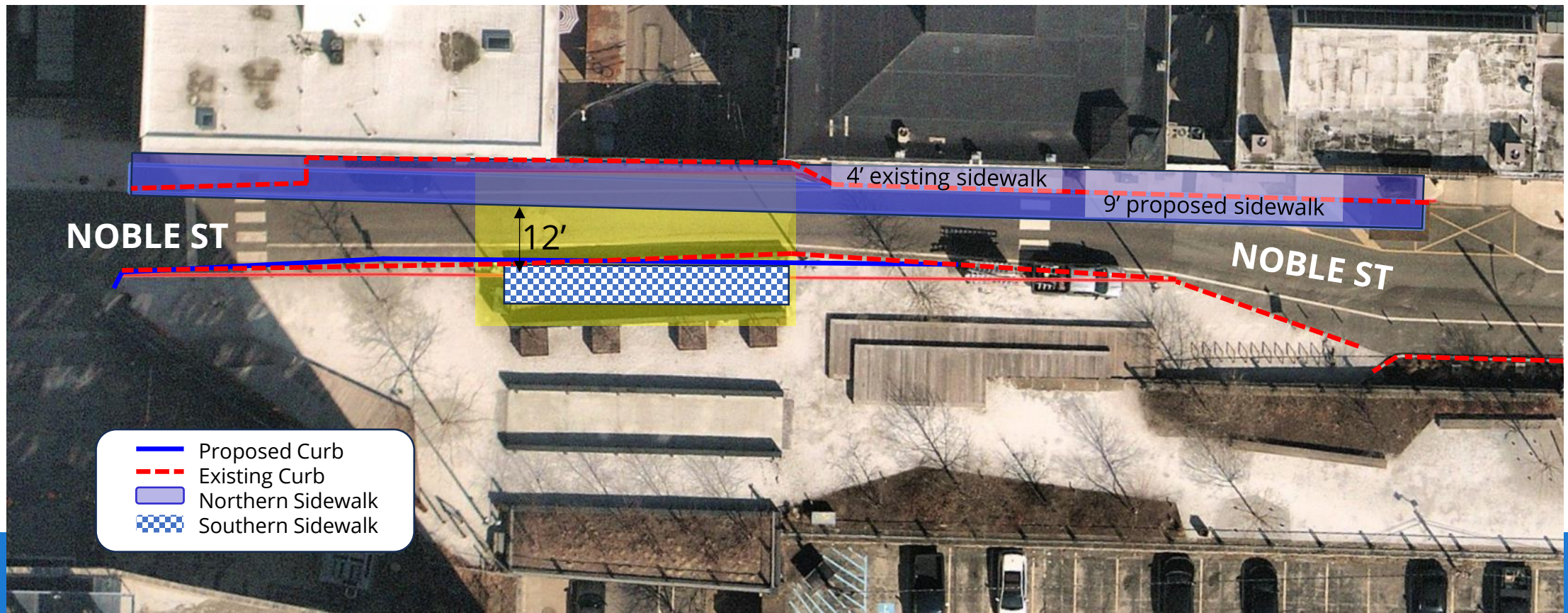


Proposed (Looking East)

- Narrowed Roadway
- Alignment Improved
- Separated from Rail Park Structure
- Sidewalks Added

SIDEWALK CONNECTION

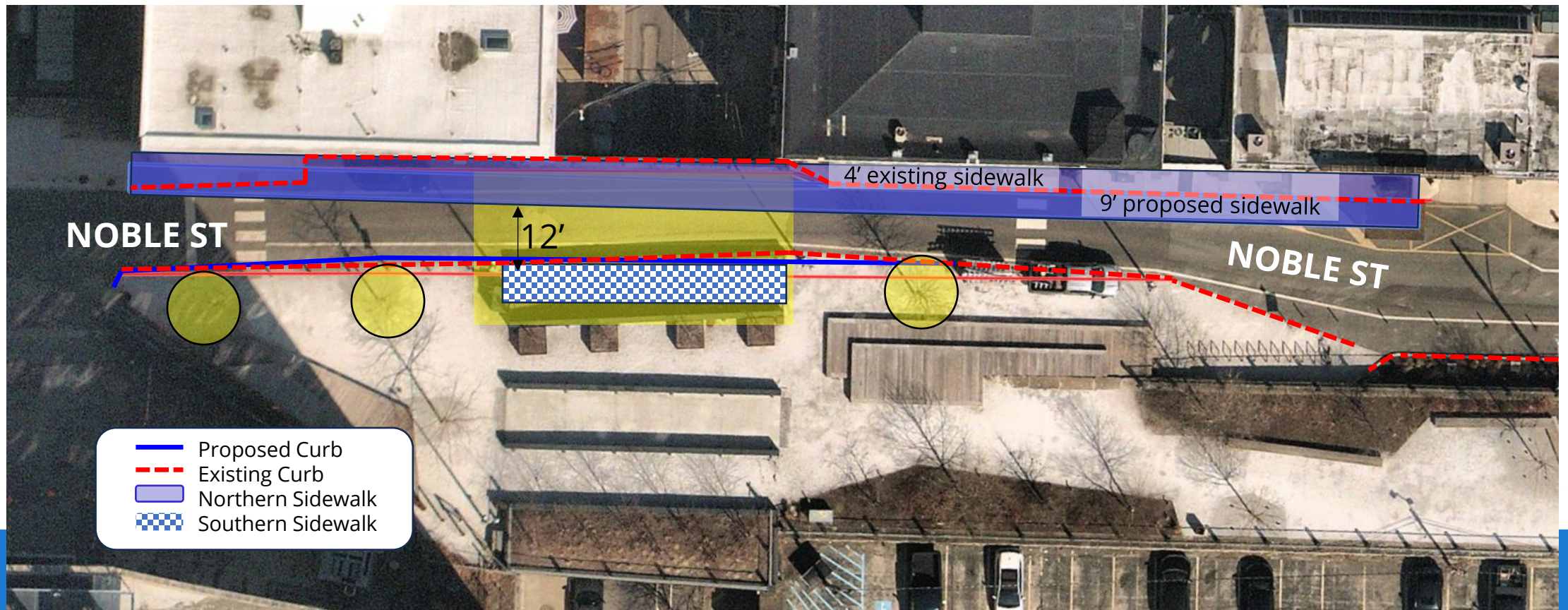
- ❖ Northern sidewalk will be continuous along Noble
- ❖ Northeast sidewalk width will increase from 4'-3" to 9'-3"
- ❖ New sidewalk on the south side of the bridge





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LIGHTING

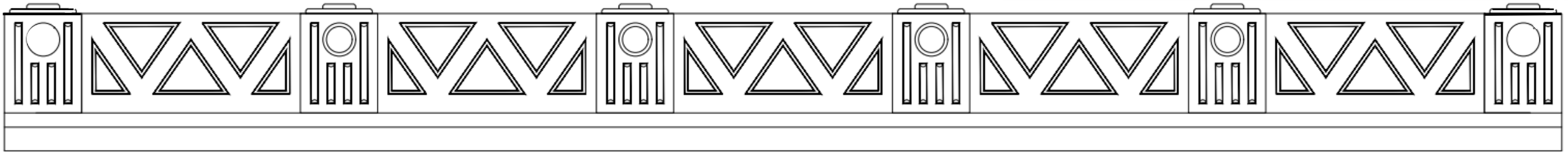
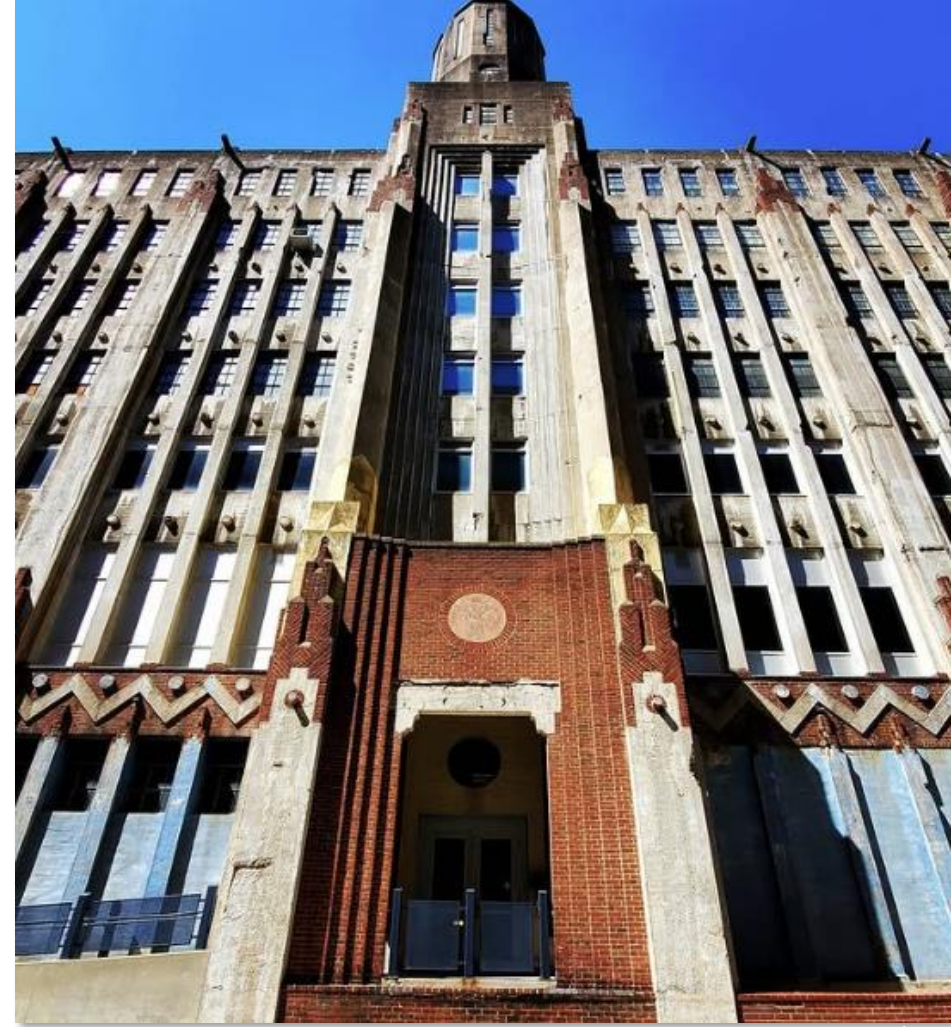
- ❖ Existing Lighting
 - Light poles adjacent to existing bridge to be removed
- ❖ Proposed Lighting
 - 30' double arm light poles to be installed bridge on both sides of the bridge to illuminate the roadway and rail park.



AESTHETICS

❖ Design

- Inspired by Lasher Printing Building, 1927
- 1309 Noble St
- Philip Scott Tyre, Architect



VIEW FROM 13th STREET



PROJECT SCOPE REVIEWED

- ❖ Replacement bridge
- ❖ New sidewalk and barriers
- ❖ New Alignment
- ❖ New pavement marking
- ❖ New lighting
- ❖ Protecting existing trees





CONSTRUCTION SCHEDULE

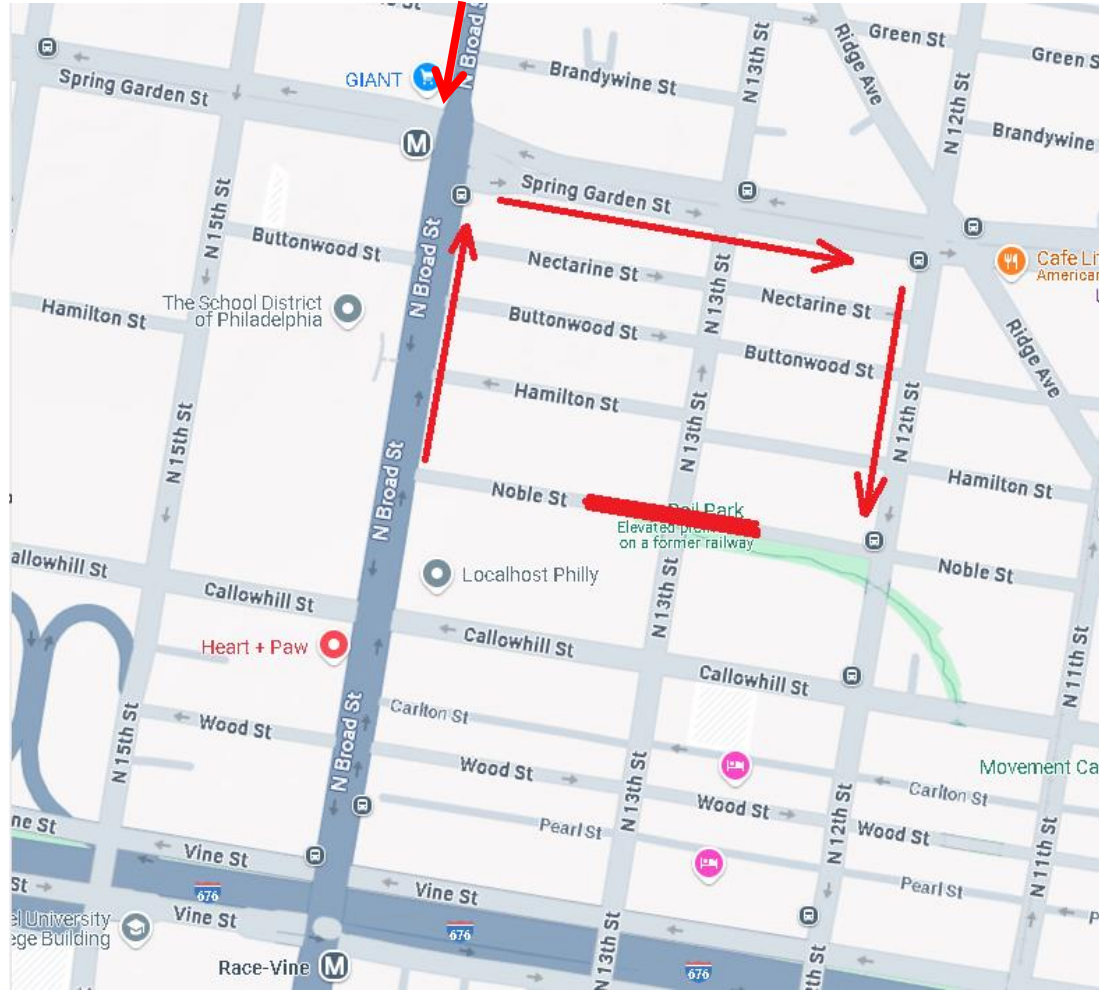
Bridge Closed to Vehicles	Bridge Closed to Vehicles & Pedestrians
	13th Street Closed Periodically*

Winter 2024-2025	Spring 2025	Summer 2025	Fall 2025	Winter 2025- 2026	Spring 2026	Summer 2026	Fall 2026
Final Design							
		Award & NTP					
		Utility Relocation					
			Demolition				
			Construction				

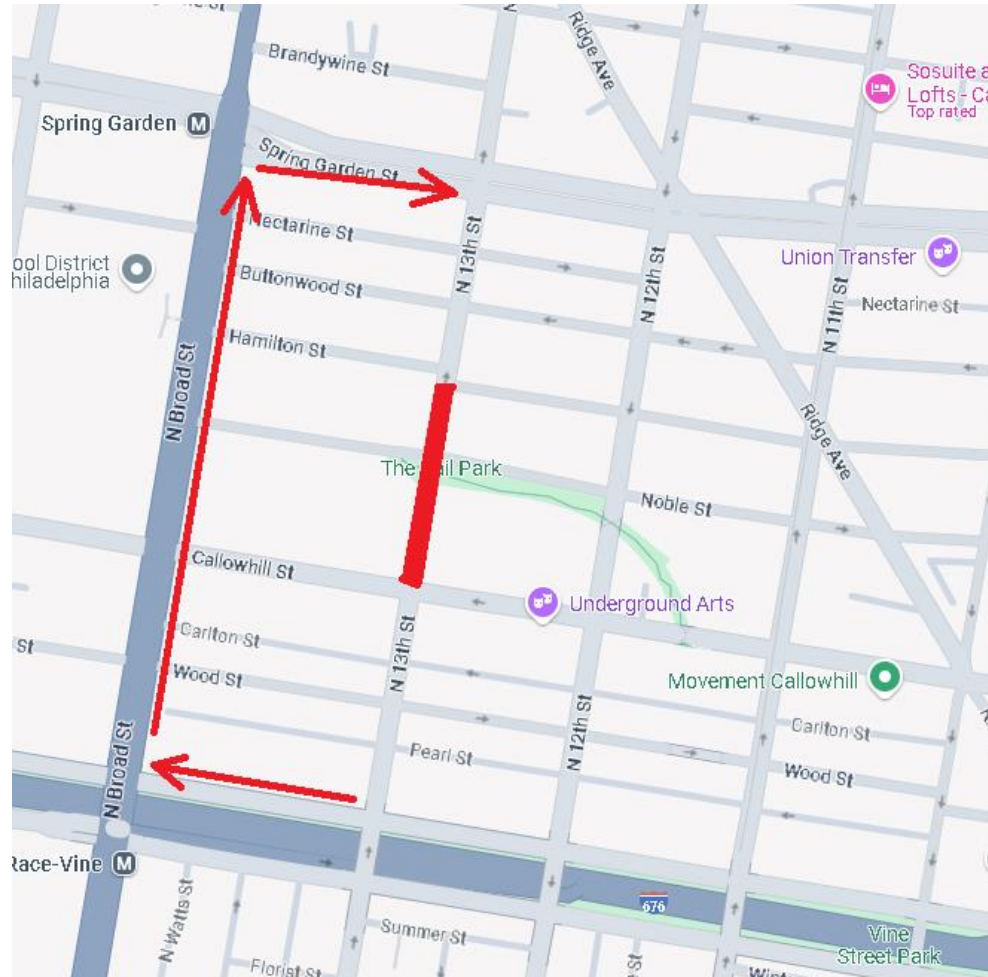
* 13th Street closed during demolition of bridge & erection of griders, floorbeams, and deck



NOBLE STREET VEHICULAR DETOUR



13th STREET VEHICULAR DETOUR





PROJECT STATUS

WORK TO DATE AND NEXT STEPS



City of
Philadelphia




WORK TO DATE

- ❖ Current Phase: Final Design Stage
- ❖ Project Construction Funding
 - 100% City – Act 13 Funding





NEXT STEPS – WHAT TO EXPECT

- ❖ The Noble Street roadway portion of the bridge will remain closed during demolition & construction
 - ❖ 13th St between Callowhill St. & Hamilton St. will be closed to thru traffic for motorists, cyclists, and pedestrians during heavy construction operations such as the demolition, the placement of the beams, and deck pour.
 - ❖ Building access to adjacent structures will be maintained throughout the duration of the construction schedule. Access may be restricted during the removal and pouring of the sidewalk.
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KEEP UPDATED ON PROJECTS

- ❖ The Streets Construction Unit will have a dedicated on-site representative for this project to inform the neighborhood about upcoming construction activities and to answer any questions 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](#)
 - Questions & Concerns: BridgeUnit@phila.gov
- 



Q&A SESSION



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