



North Avenue Signals & Safety Project

Arch Street to East Street

Pre-Construction Public Meeting

December 9, 2024

Agenda

- Welcome and Introductions
- Meeting Purpose
- Review of meeting norms
- ZOOM Overview
- Project Presentation
- Q&A
 - Virtual - Type comments in chat

Introductions

Patty Kerns, PE

Project Manager, Dept of Mobility & Infrastructure

Sean Stephens

Assistant Project Manager, Dept of Mobility & Infrastructure

Jan Raether

Infrastructure Engagement Specialist, Mayor's Office

Lindsey Robles

Neighborhood Engagement Coordinator, Mayor's Office

Damon Rhodes

Construction Manager, Larson

Dan Deabner

Inspector-In-Charge, Larson



Purpose of the Meeting

- Inform public of the project improvements between Arch and East in advance of construction
- Provide updates on new aspects of the project since the last engagements
- Share information about construction and the impacts associated
- Answer questions and collect comments

Meeting Norms

- Physical and psychological safety
- Listen to learn
- Be open to new ideas
- Assume best intentions
- Disagree respectfully
- Appreciate differences
- Be present, speak up

Zoom Overview

- Please remain muted
- Use the chat function to have staff ask a question on your behalf
- Leave comments in chat
- City staff will be monitoring chat during presentation and Q&A section

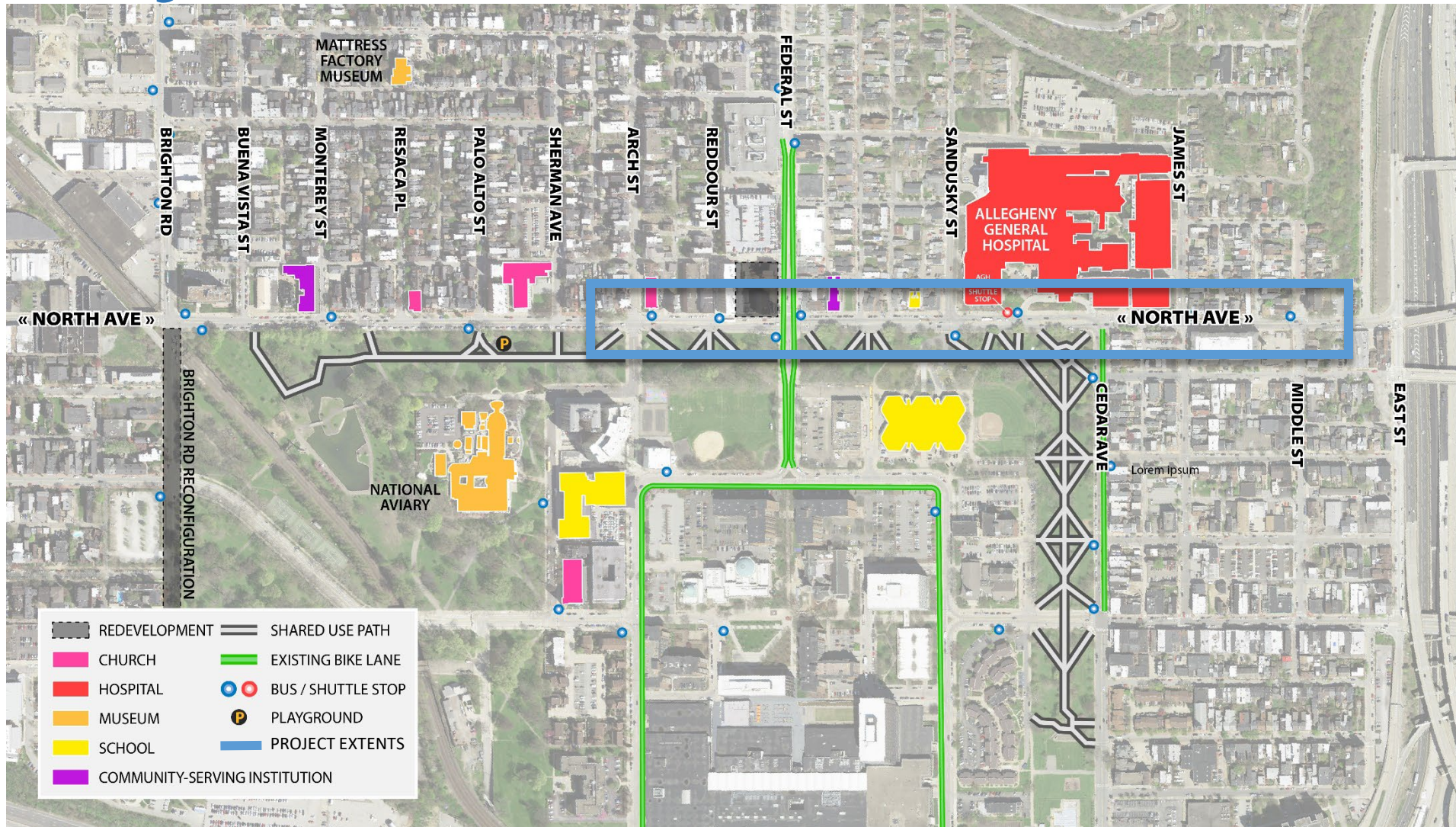
Safety Overview

- Location of exits
- First Aid Locations
 - AED location if available
- Presence of someone CPR Certified
- Emergency Contact
 - In the event of an emergency Jan Raether will call 911

Project Overview

- The purpose of the North Avenue Traffic Signals and Safety Project is to ***update traffic signal infrastructure*** and ***improve corridor safety*** with a focus on people walking and taking public transit along North Avenue.
- Improvements Include:
 - **“Rightsizing”** – Maintain one through-lane in each direction between Arch & Cedar with the addition of a left-turn lane
 - **Intersection Curb Extensions** – Reduce pedestrian crossing distances by up to 30%
 - **Bus Pullouts w/ Queue-Jumping Technology** – Reduce bus blockages while boarding & reduce delays by prioritizing buses at signal
 - **Leading Pedestrian Intervals** – 3 second head start for pedestrians crossing
 - **On-Street Parking** – Curb side activation by adding on-street parking

Project Location



Project extends from Arch St to East St along North Avenue



Project Improvements

Traffic Signal Upgrades are planned for the following:

- North Ave & Arch St
- North Ave & Federal St
- North Ave & Sandusky St
- North Ave & Cedar St
- ~~North Ave & James St~~ - **revision since last public meeting**

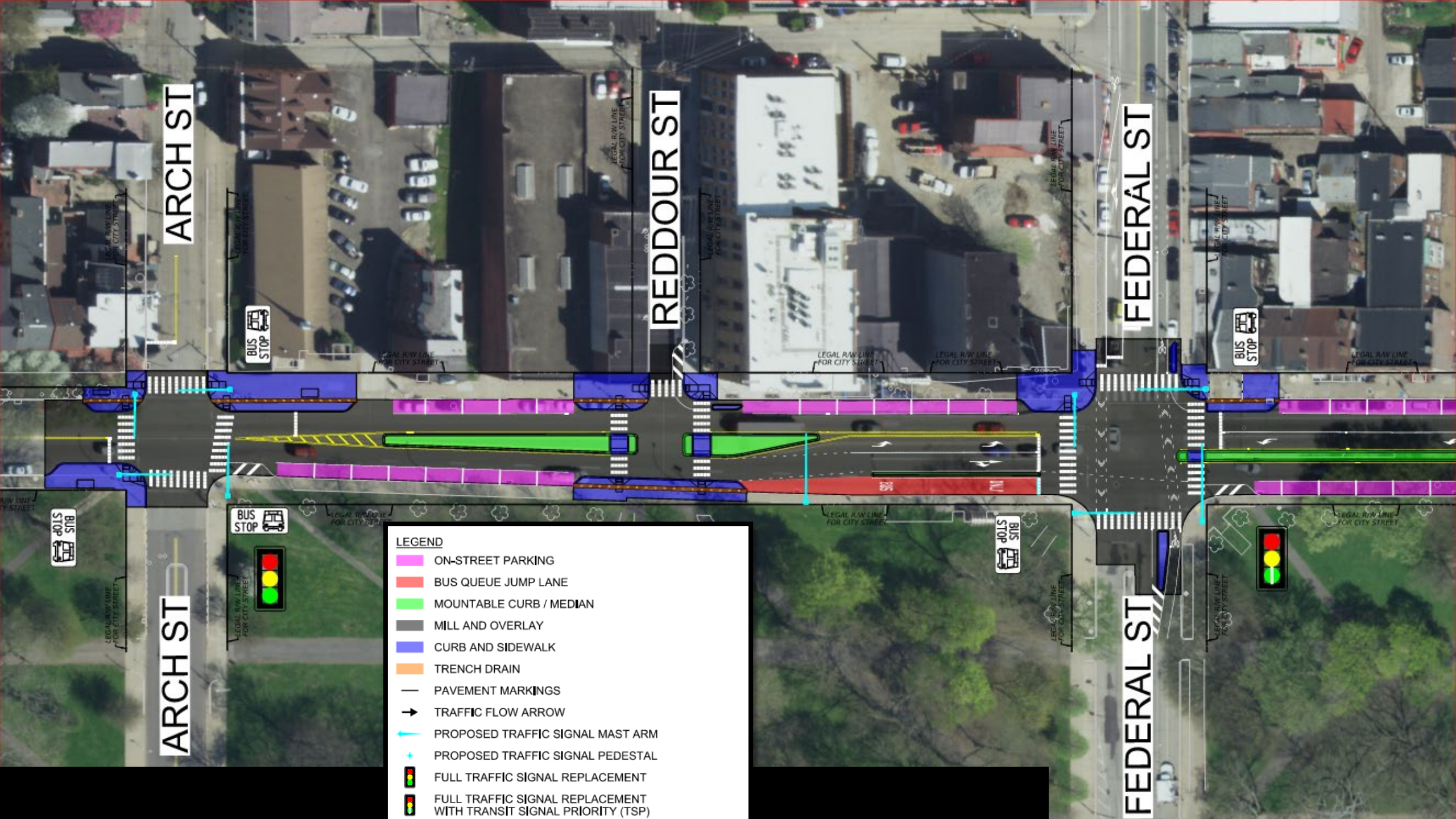
Pedestrian safety improvements will also occur at the following un-signalized intersections:

- North Ave & Reddour St
- North Ave & Boyle St
- North Ave & Linden
- North Ave & Middle St

Project Updates

The traffic signal upgrades at James Street have been broken-out into a separate project due to funding constraints.

- Minor equipment upgrades (controller) at James will be included with this project to ensure coordination through the corridor.
- The City is currently going after grant funding for the this signal replacement.



ARCH ST

REDDOUR ST

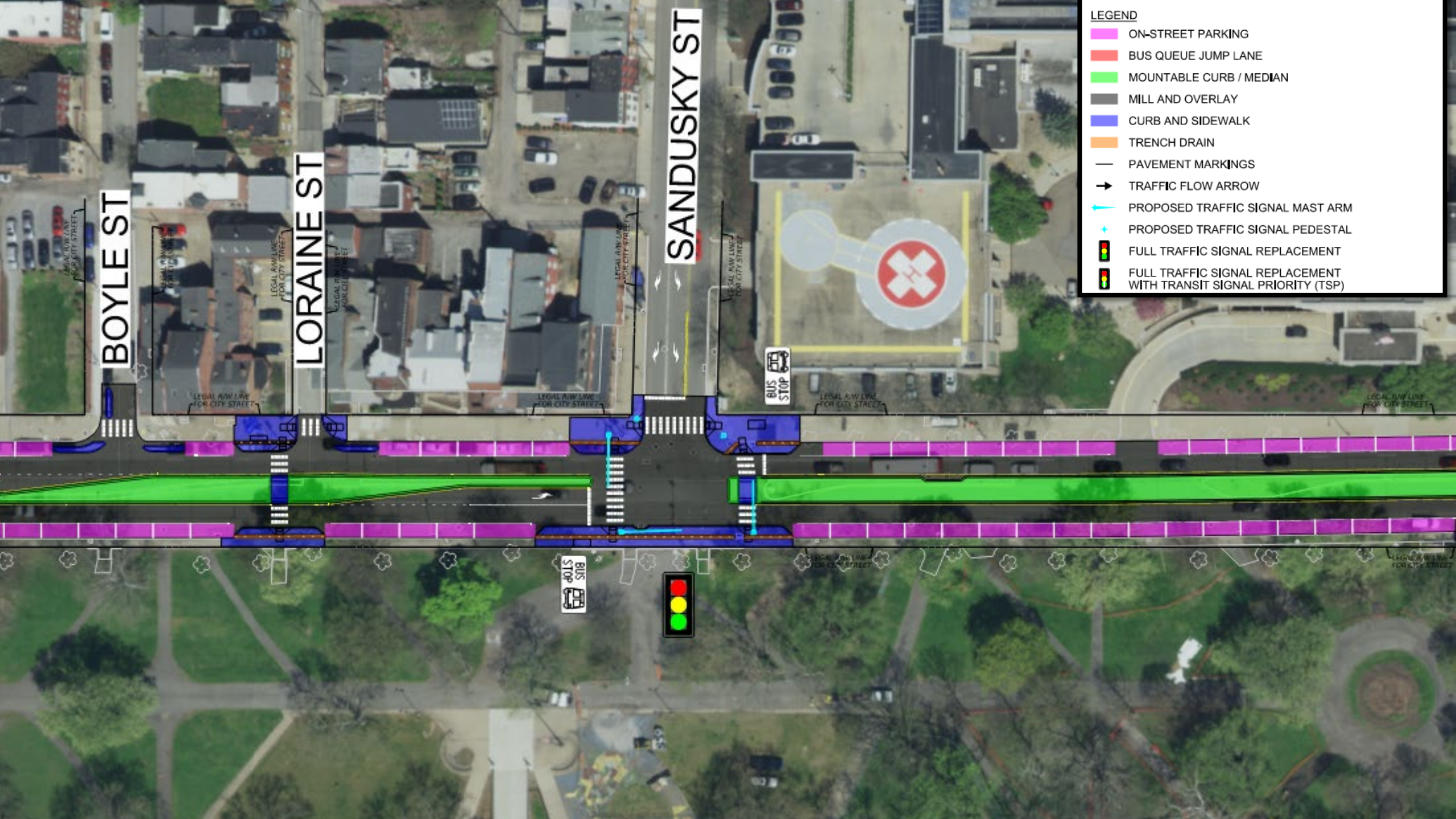
FEDERAL ST

ARCH ST

FEDERAL ST

LEGEND

- ON-STREET PARKING
- BUS QUEUE JUMP LANE
- MOUNTABLE CURB / MEDIAN
- MILL AND OVERLAY
- CURB AND SIDEWALK
- TRENCH DRAIN
- PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- PROPOSED TRAFFIC SIGNAL MAST ARM
- PROPOSED TRAFFIC SIGNAL PEDESTAL
- FULL TRAFFIC SIGNAL REPLACEMENT
- FULL TRAFFIC SIGNAL REPLACEMENT WITH TRANSIT SIGNAL PRIORITY (TSP)



- LEGEND**
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BOYLE ST

LORAIN ST

SANDUSKY ST



CEDAR AVE

MORAVIAN WAY

JAMES ST

JAMES ST

OCALA ST

LINDEN PL

MIDDLE ST

MIDDLE ST

LEGEND

- ON-STREET PARKING
- BUS QUEUE JUMP LANE
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Summary

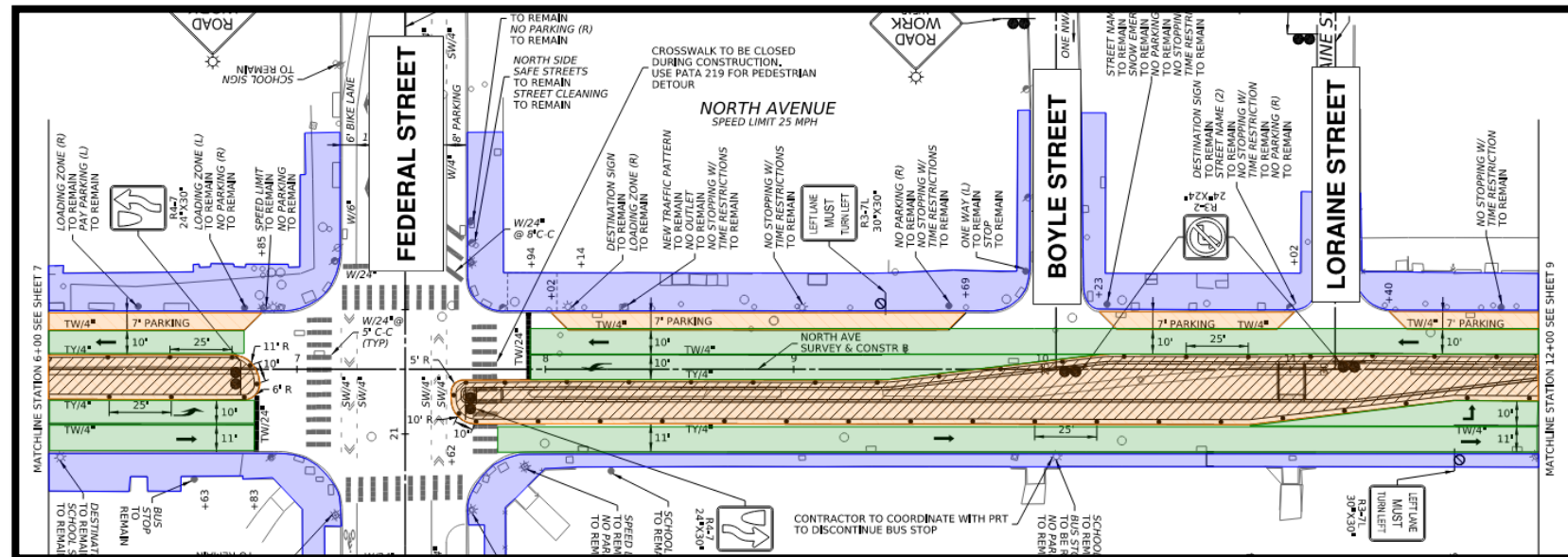
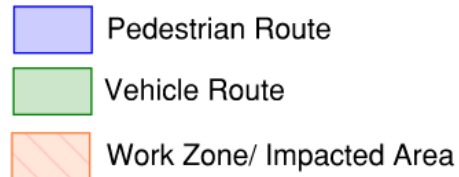
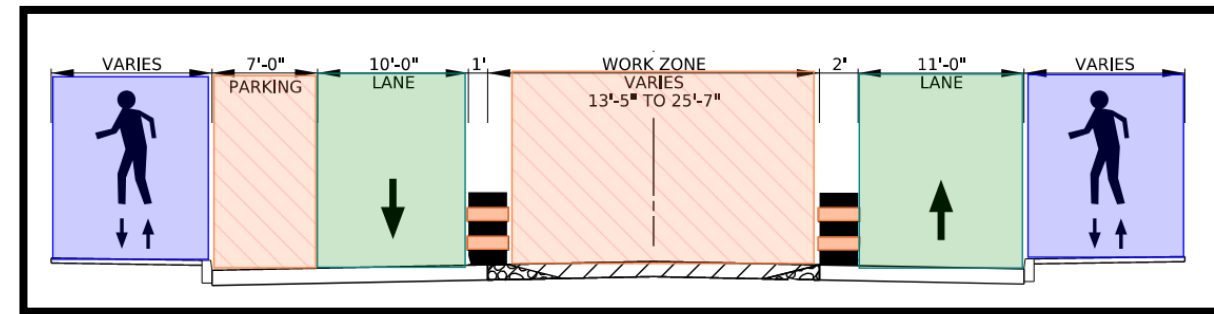
- Improve ***accessibility*** and ***safety*** throughout the corridor
 - Bumpouts and Pedestrian Islands
 - Leading pedestrian Intervals (LPIs)
 - 'Rightsizing' or lane reduction along North Avenue
 - Upgraded pedestrian signal components and ADA ramps
- Upgrade traffic signal infrastructure and transit facilities to improve ***mobility*** through the corridor
 - Bus Pullouts w/ Queue-Jumping Technology
 - Signal Progression from Arch to James
 - Removal of the pedestrian exclusive phase at North and Cedar



Construction Sequence

Stage 1 - Concrete Median Area:

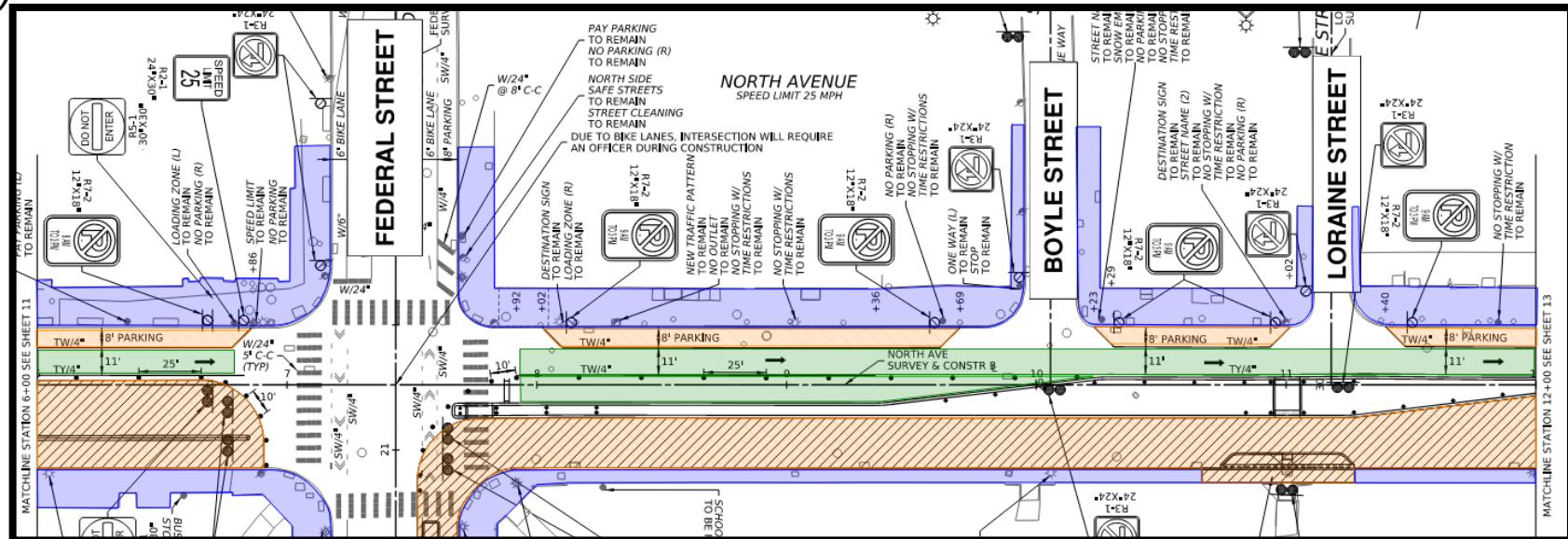
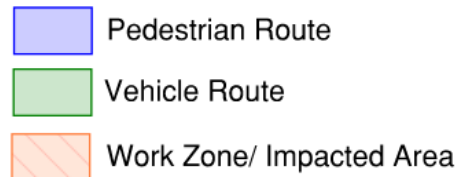
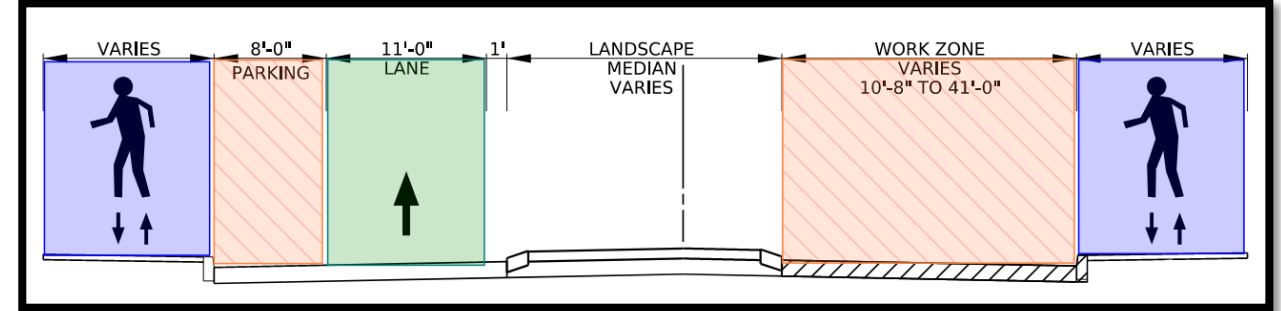
- *When: Spring 2025*
- *Impacts:*
 - A minimum of **one lane in each direction** will be maintained along North Ave
 - **Parking restrictions** are anticipated along the northside of North Ave (9am to 3pm).



Construction Sequence

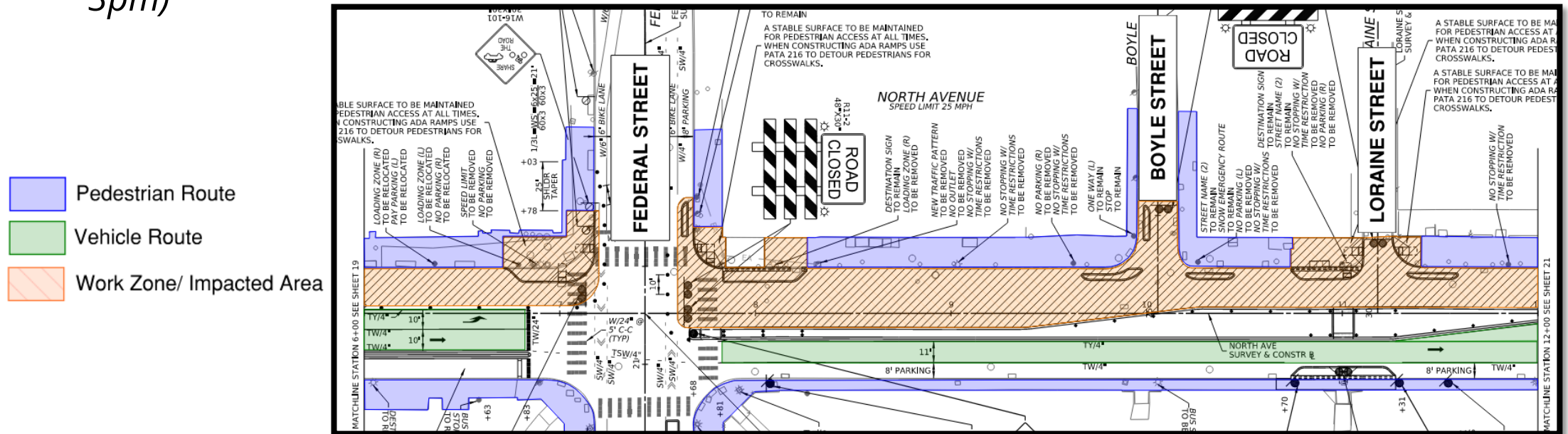
Stage 2 - Intersection Bump-Out Work (South)

- *When: Summer 2025 – Fall 2025*
- *Impacts:*
 - **Eastbound travel lane** will be maintained along North Ave
 - **Vehicle detour** will be in affect for **westbound travel lanes** during working hours (9am to 3pm)

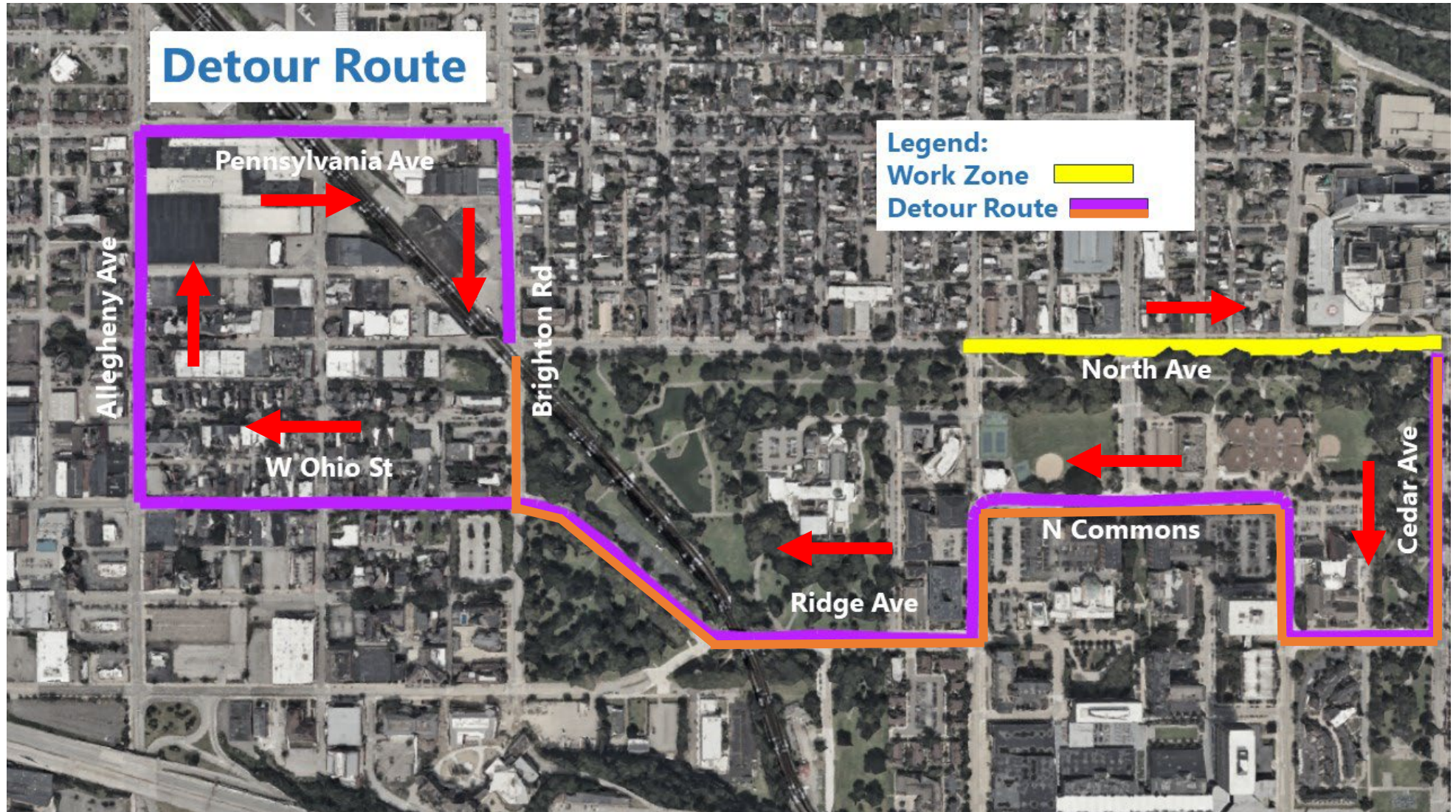


Stage 3 - Intersection Bump-Out Work (North):

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- The diagram illustrates a work zone layout with the following components and dimensions from left to right:
- VARIES**: Variable width area on the far left.
 - WORK ZONE**: A red hatched area with a width of **VARIES 16'-9" TO 57'-8"**.
 - LANDSCAPE MEDIAN VARIES**: A central area with a width of **VARIES**.
 - 1'**: A narrow section with a width of **1'**.
 - 11'-0" LANE**: A green area with a width of **11'-0"** and a green arrow pointing up.
 - 8'-0" PARKING**: An orange hatched area with a width of **8'-0"**.
 - VARIES**: Variable width area on the far right.
- Additional features include blue pedestrian crossing symbols with arrows on the left and right sides, and a cross-hatched curb area at the bottom.



Detour Information



Construction Sequence

Final Stage – Paving & Energizing Traffic Signals

- *When: Spring 2026- Fall 2026*
- *Impacts:*
 - *A minimum of **one lane in each direction** will be maintained along North Ave*
 - ***Parking restrictions** are anticipated along the northside of North Ave (9am to 3pm).*

Next Steps

Timeline

- Physical Construction will begin in **January 2025**
- Project completion is **Summer 2026**

Follow the City's Engage page for project updates

<https://engage.pittsburghpa.gov/penn-avenue-phase-2>

Project Contacts



Jan Raether

Infrastructure Engagement Specialist

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Lindsey Robles

Neighborhood Engagement Coordinator

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Q+A and Plan Feedback

Engage Page: North Avenue Signals & Safety Project

engage.pittsburghpa.gov/north-avenue-signals-and-safety-project

Questions? neighbor@pittsburghpa.gov

Thank you!