



City of Pittsburgh

Frankstown Avenue Signal Replacement

January 23, 2024

Agenda

- Welcome and Introductions
- Review of meeting protocols
 - Safety Overview
 - ZOOM Overview
- Project Background
- Existing Conditions
- Preliminary Traffic Signal Designs
- Next Steps
- Discussion/Breakout (Online and In-person)

Introductions

- **Leila Bouabdellaoui**, Project Manager, DOMI
- **Jan Raether**, Infrastructure Engagement Specialist,
Mayor's Office
- **Sean Stephens**, Traffic Calming, DOMI
- **Amanda Purcell**, Traffic Planning and Design, Inc.

Meeting Norms

- **Physical and psychological safety**
- **Listen to learn**
- **Disagree respectfully**
- **Appreciate differences**
- **Be open to new ideas**
- **Be present**

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 9-1-1**

Virtual Overview

- **Please remain muted**
- **Special Accommodations**
 - ASL – the interpreter will be pinned
 - Closed captions – hit the "Live Transcript" button at the bottom of your screen
- **"Raise" your hand to ask a question verbally**
 - For those joining by phone:
 - *6 - Toggle mute/unmute
 - *9 - Raise/lower hand
- **Use the chat function to have staff ask a question on your behalf**
- **After the presentation, the feed from the room will end, but project staff will remain online to discuss and answer specific questions**



Project Background

Project Area Map



Project Location



Updated Signal



All Way Stop



Pedestrian Crossing



Project Intersections

- **Signal Replacements**
 - Frankstown & Murtland
 - Frankstown & Lang
 - Frankstown & Homewood
 - Frankstown & Collier
 - Frankstown & Brushton
 - Frankstown & Blackadore
- **All Way Stop and Traffic calming**
 - Frankstown & Braddock
 - Frankstown & Sterrett
- **Crosswalk with Traffic calming**
 - Homewood Healthy Active Living Center

Project Purpose

- **Improve safety** for people utilizing all modes of transportation through the **Frankstown Avenue Corridor**.
- **Project extents:** Murtland Street to Blackadore Avenue
 - **Neighborhoods:** Homewood West, Homewood North, and Homewood South.

Frankstown Ave Corridor Background

- Identified as a priority corridor in **Homewood Mobility Plan**
- **Major vehicular and transit route** connecting the East Hills suburbs to the City's East End neighborhoods
 - Supports the main **Business District for the Homewood** neighborhood
- **Existing roadway layout:**
 - 36' curb-to-curb roadway width
 - Two 8' parking lanes
 - Two 10' travel lanes
- In the past three years, there have been **55 recorded crashes** along this corridor of which **six (6) involved pedestrians**



Project Timeline

May 2023 - Begin Preliminary Engineering

January 2024 – Public Meeting

September 2024 - Begin Final Design

December 2025 – Begin Construction

Construction anticipated to take 18 – 24 months



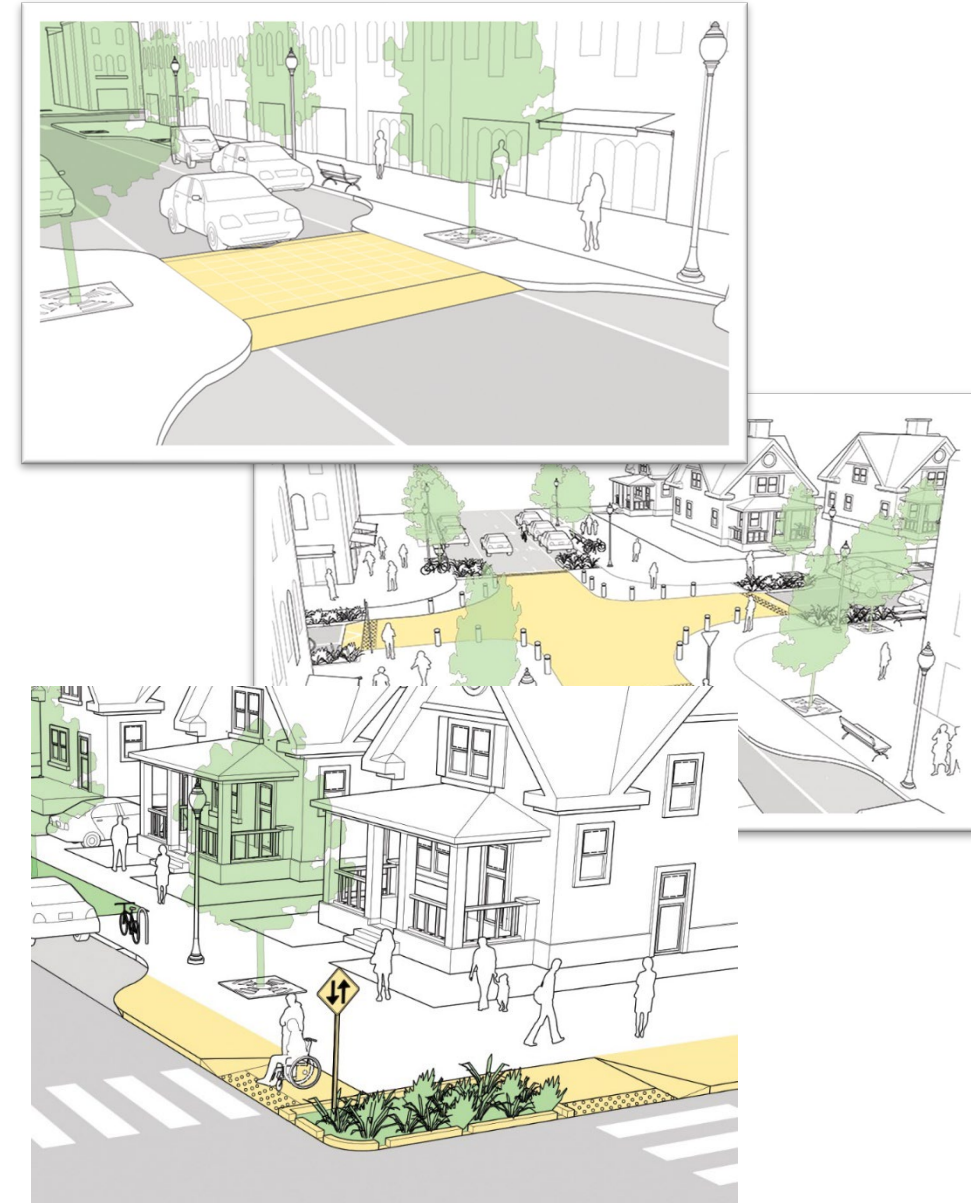
Traffic Calming on Corridor Projects

Design Approach

- Reduce speed , reduce crashes, and improve safety
- Corridors are different context than local, neighborhood streets (Neighborhood Traffic Calming)
 - Cannot put speed humps on every block
- Spot speed control and focus on intersection improvements

Traffic Calming Elements

- **Raised crosswalks**
 - Elevating crosswalks to enhance visibility and reduce speed
- **Raised intersections**
 - Elevating entire intersection to prioritize pedestrians and reduce speed
- **Curb extensions**
 - Narrows turning radius, reducing speed and shortening pedestrian crossings





Proposed Intersection Improvements

Existing Conditions (Frankstown & N Murtland)



All intersections will Include:

- Curb extensions
 - Will be designed to accommodate PRT bus stops on the approach to the intersections.
- New accessible curb ramps at crosswalks
- New signage and pavement markings
- Updated street lighting

What will the intersections look like?



Comparable location: Carson Street

Potential Detours/Impacts

- During construction, intersection closures will be limited.
- Individual lane closures as necessary (with flaggers).
- If detours are needed, they will go around block.

Traffic Signal Replacements:

- N. Murtland Avenue
- N. Lang Avenue
- N. Homewood Avenue
- Collier Street
- Brushton Avenue
- Blackadore Avenue

New Traffic Signal Elements

- 1 - Base mounted controller cabinet
- 2 - Overhead signals with reflective backplates
- 3 - Street name blades

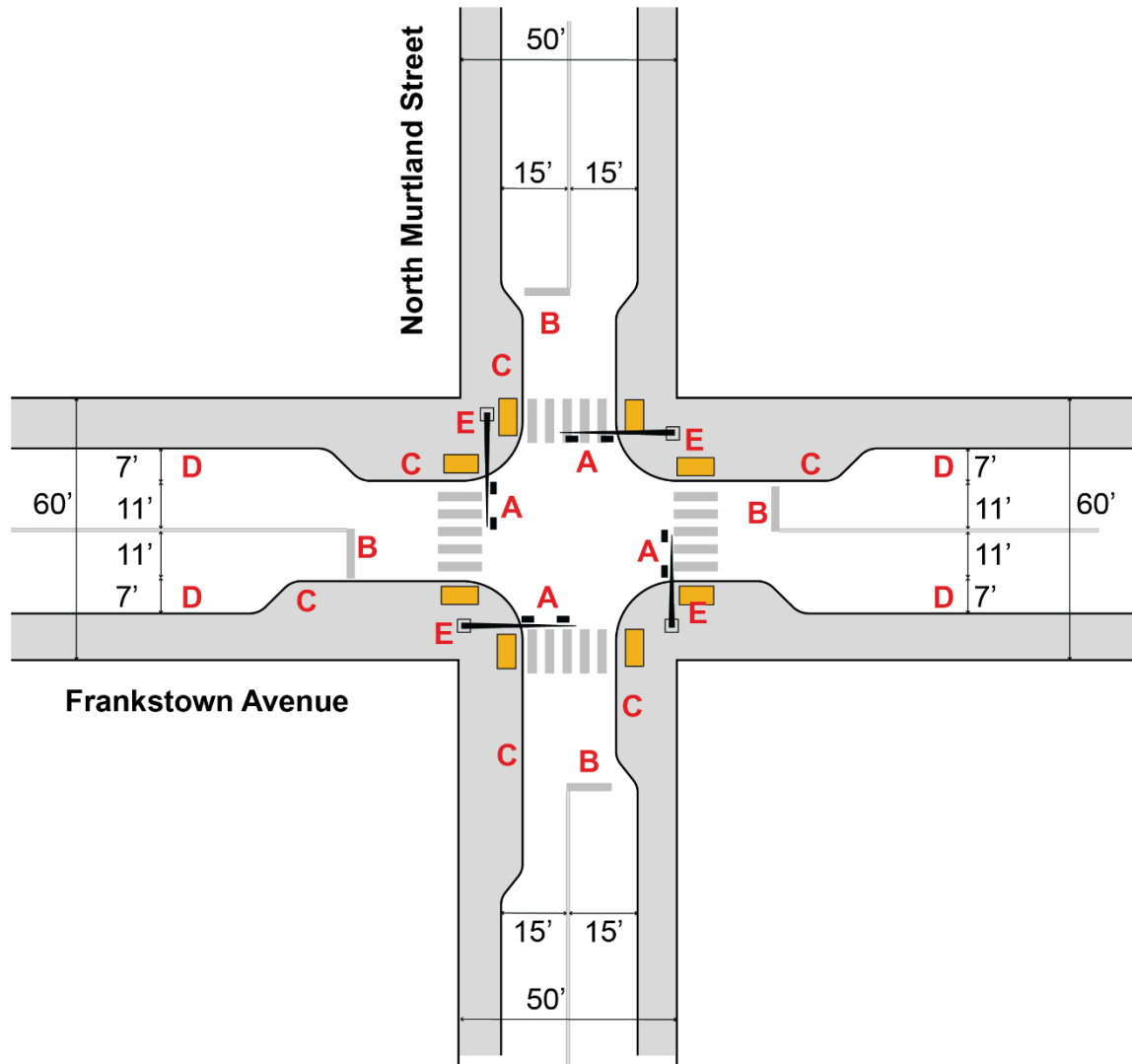


Traffic Signal Pedestrian Features

- 1- Countdown pedestrian signal
- 2- Audible pedestrian indications
- 3- Updated street lighting

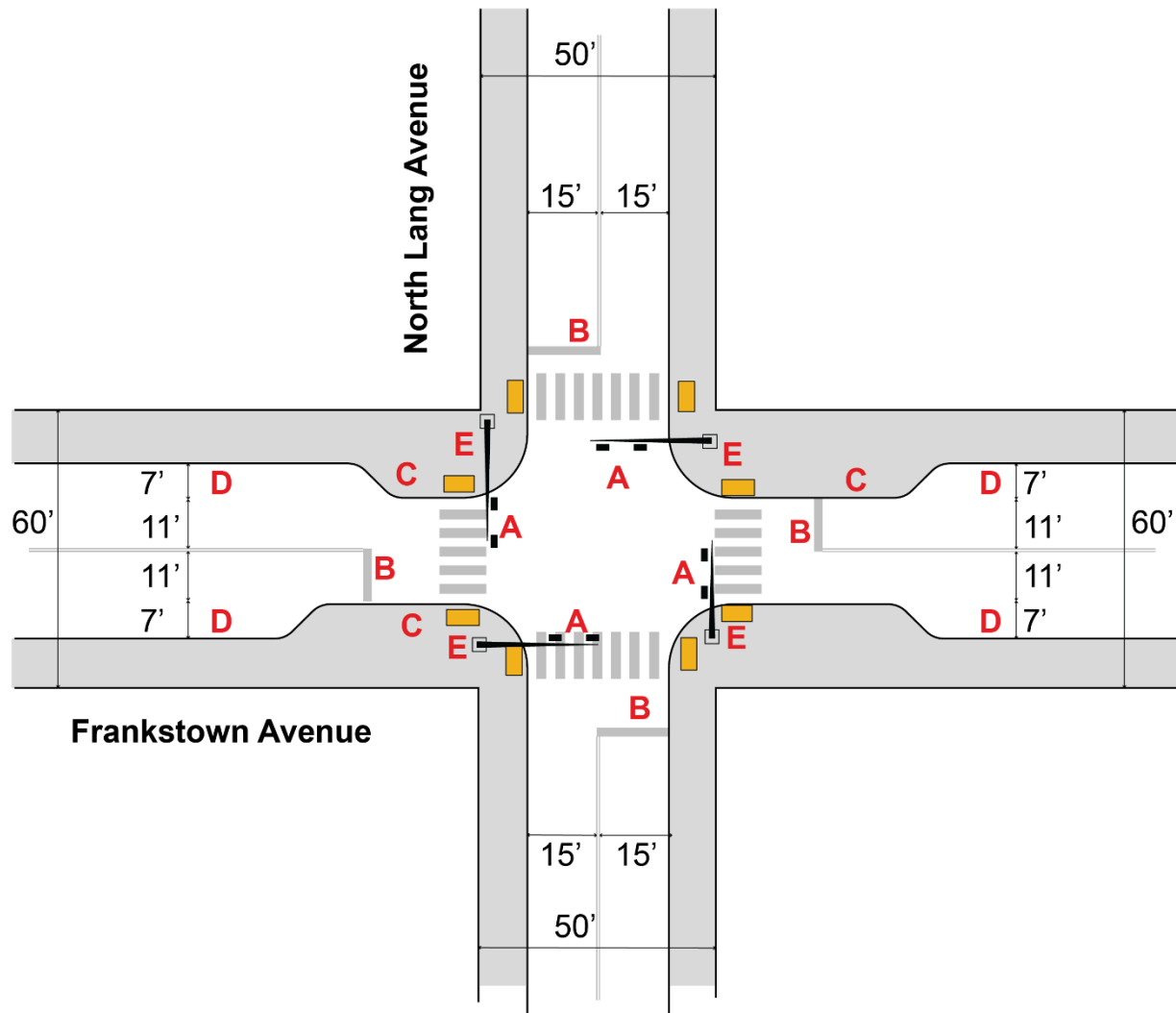


Frankstown at N Murtland



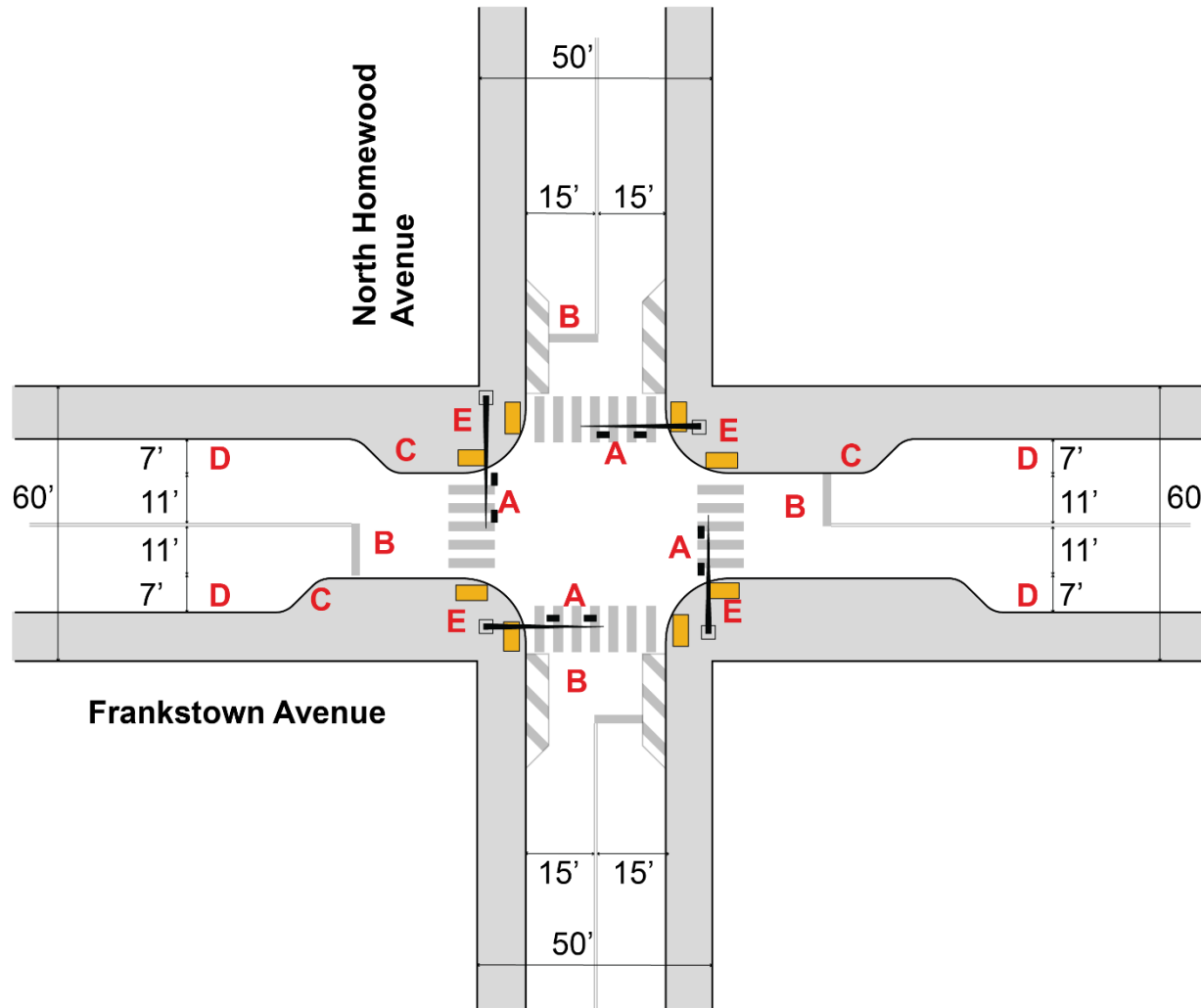
- A. New traffic signals
- B. New pavement markings
- C. Curb extensions
- D. Parking lanes
- E. Pedestrian Features
 - Updated curb ramps
 - Countdown Pedestrian Signals
 - Audible Pedestrian Signals

Frankstown at N Lang



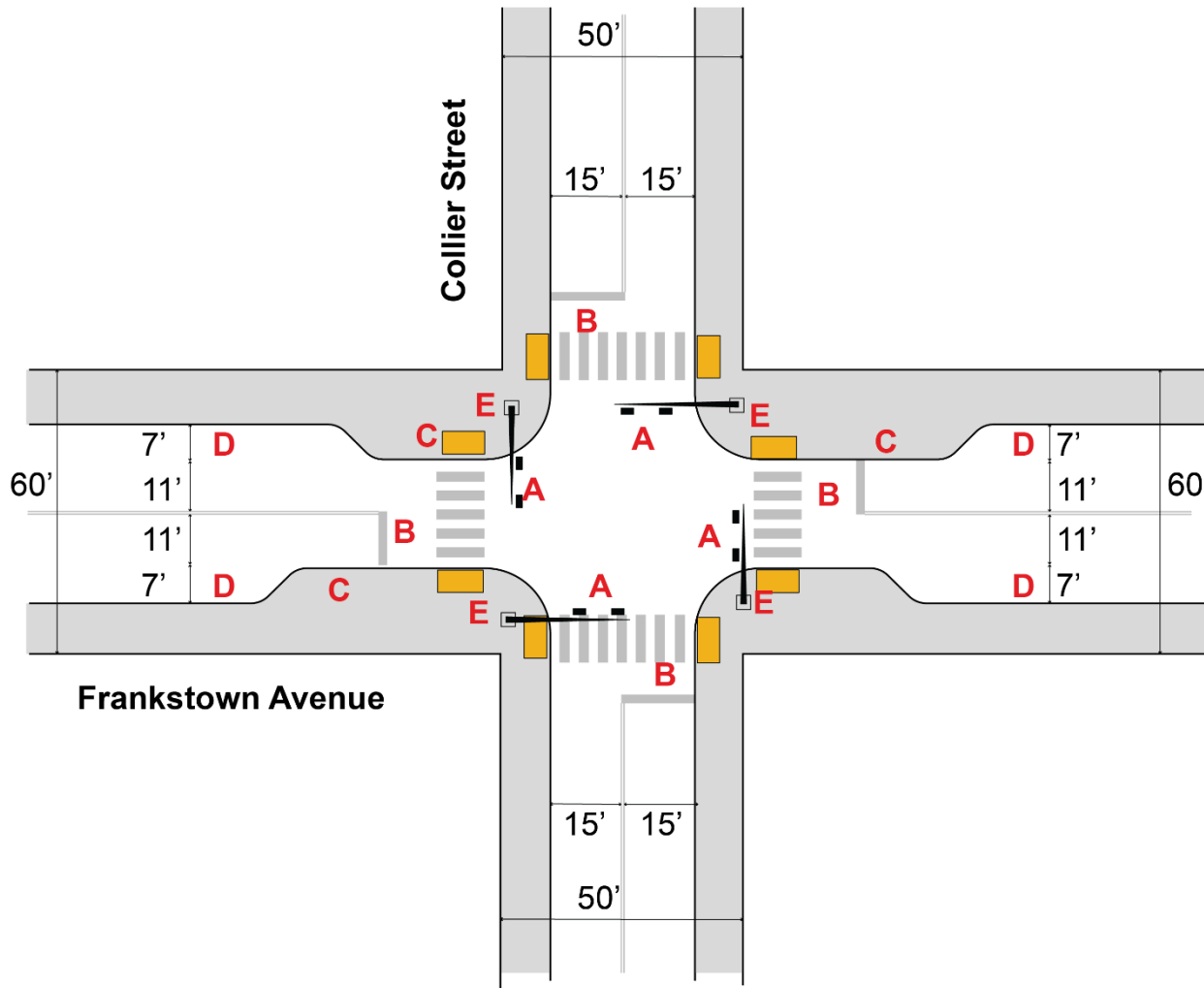
- A. New traffic signals
- B. New pavement markings
- C. Curb extensions
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 - Updated curb ramps
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 - Audible Pedestrian Signals

Frankstown at N Homewood



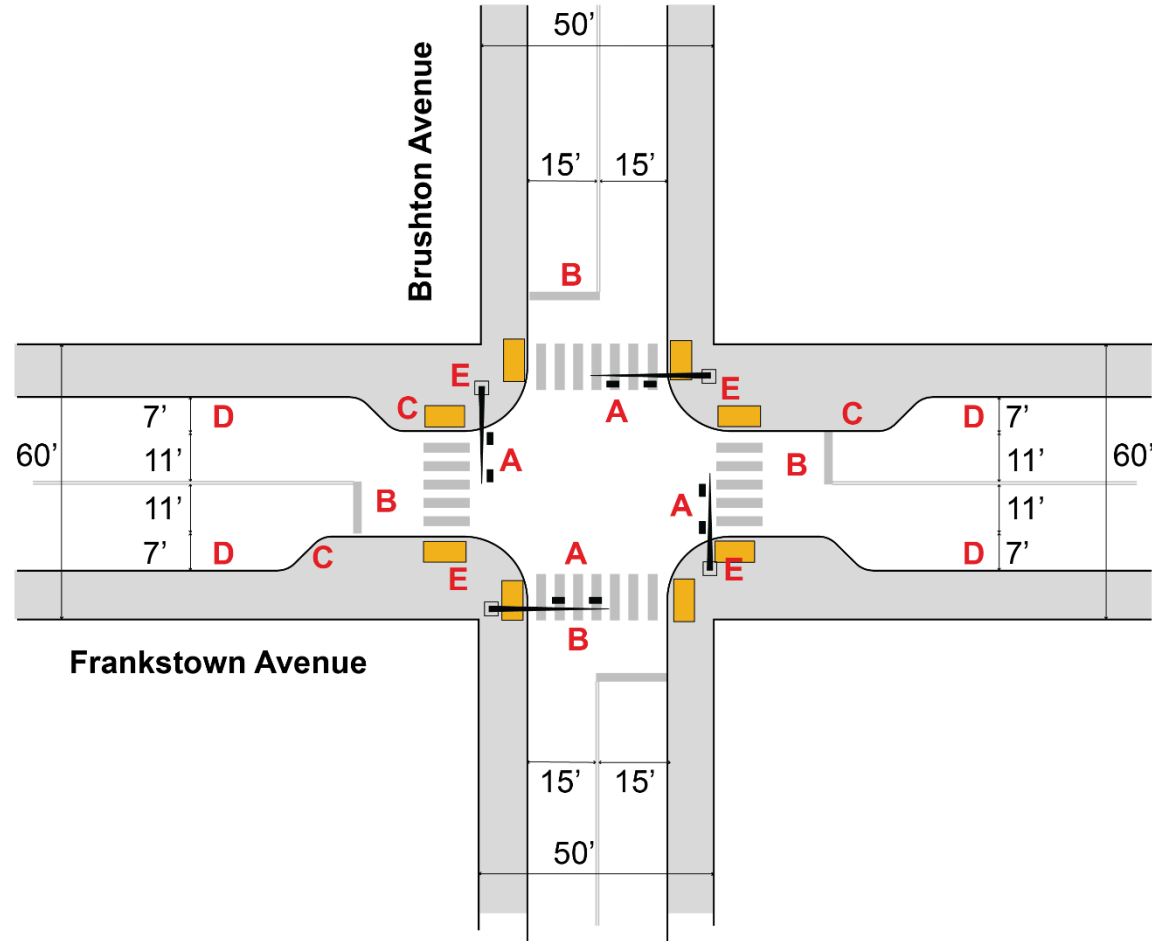
- A. New traffic signals
- B. New pavement markings
- C. Curb extensions
- D. Parking lanes
- E. Pedestrian Features
 - Updated curb ramps
 - Countdown Pedestrian Signals
 - Audible Pedestrian Signals

Frankstown at Collier



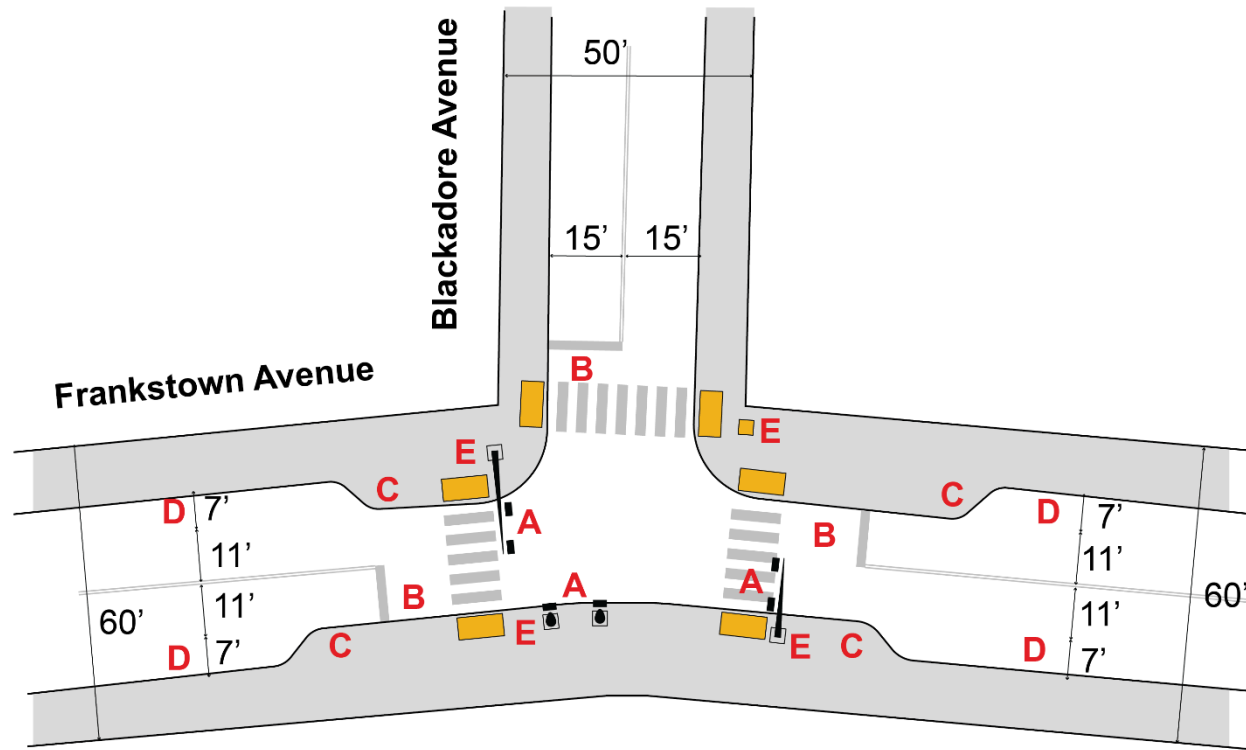
- A. New traffic signals
- B. New pavement markings
- C. Curb extensions
- D. Parking lanes
- E. Pedestrian Features
 - Updated curb ramps
 - Countdown Pedestrian Signals
 - Audible Pedestrian Signals

Frankstown at Brushton



- A. New traffic signals
- B. New pavement markings
- C. Curb extensions
- D. Parking lanes
- E. Pedestrian Features
 - Updated curb ramps
 - Countdown Pedestrian Signals
 - Audible Pedestrian Signals

Frankstown at Blackadore



- A. New traffic signals
- B. New pavement markings
- C. Curb extensions
- D. Parking lanes
- E. Pedestrian Features
 - Updated curb ramps
 - Countdown Pedestrian Signals
 - Audible Pedestrian Signals

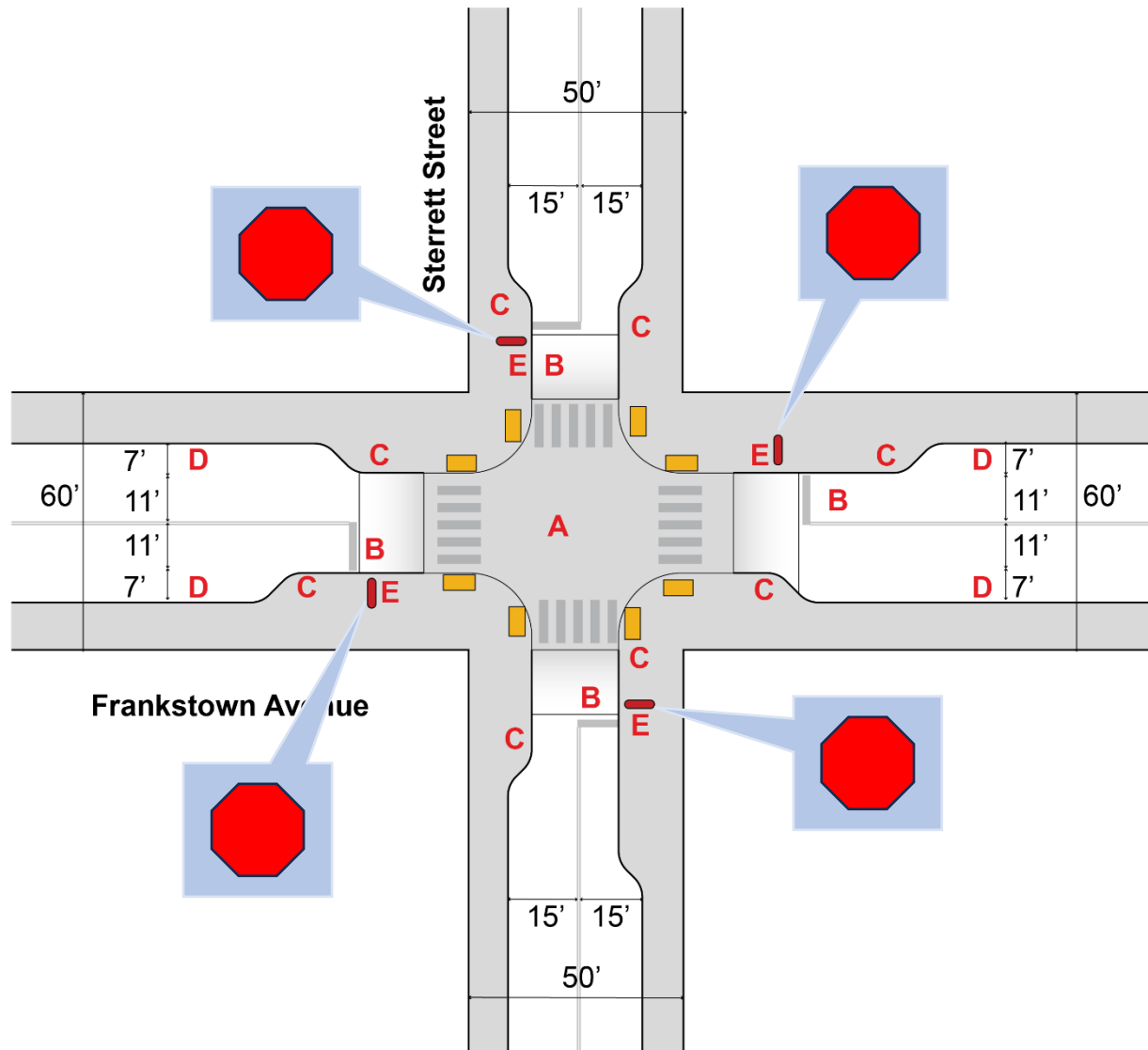
Unsignalized Intersections

- Raised intersections with curb extensions and all way stop control will be provided at:
 - Sterrett Street
 - N Braddock Avenue



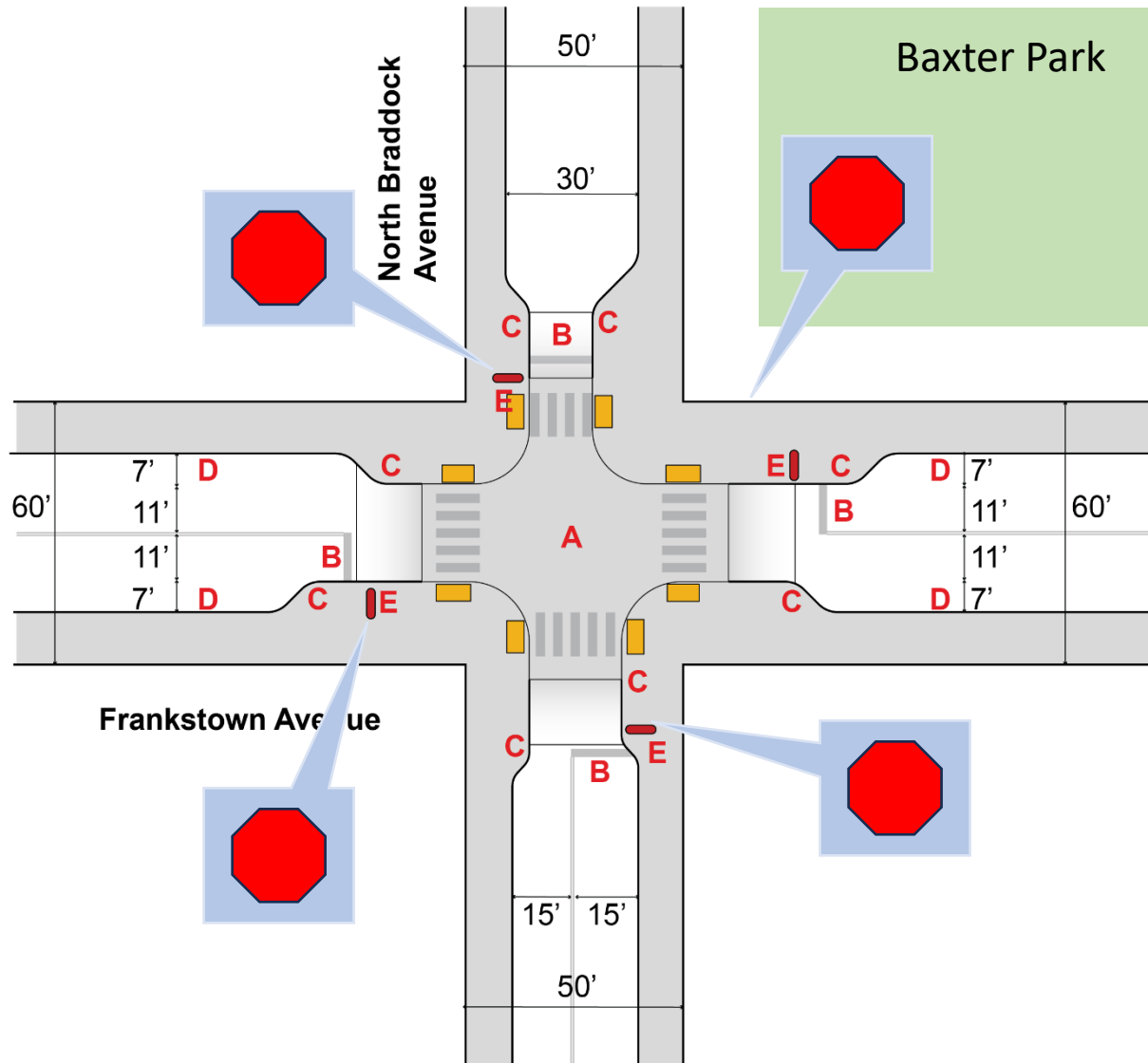
Example location Lytle Street at Eliza Street, Hazelwood Green

Frankstown at Sterrett



- A. Raised intersection
- B. New pavement markings
- C. Sidewalk extensions
- D. Parking lanes
- E. All way stop signs

Frankstown at Braddock



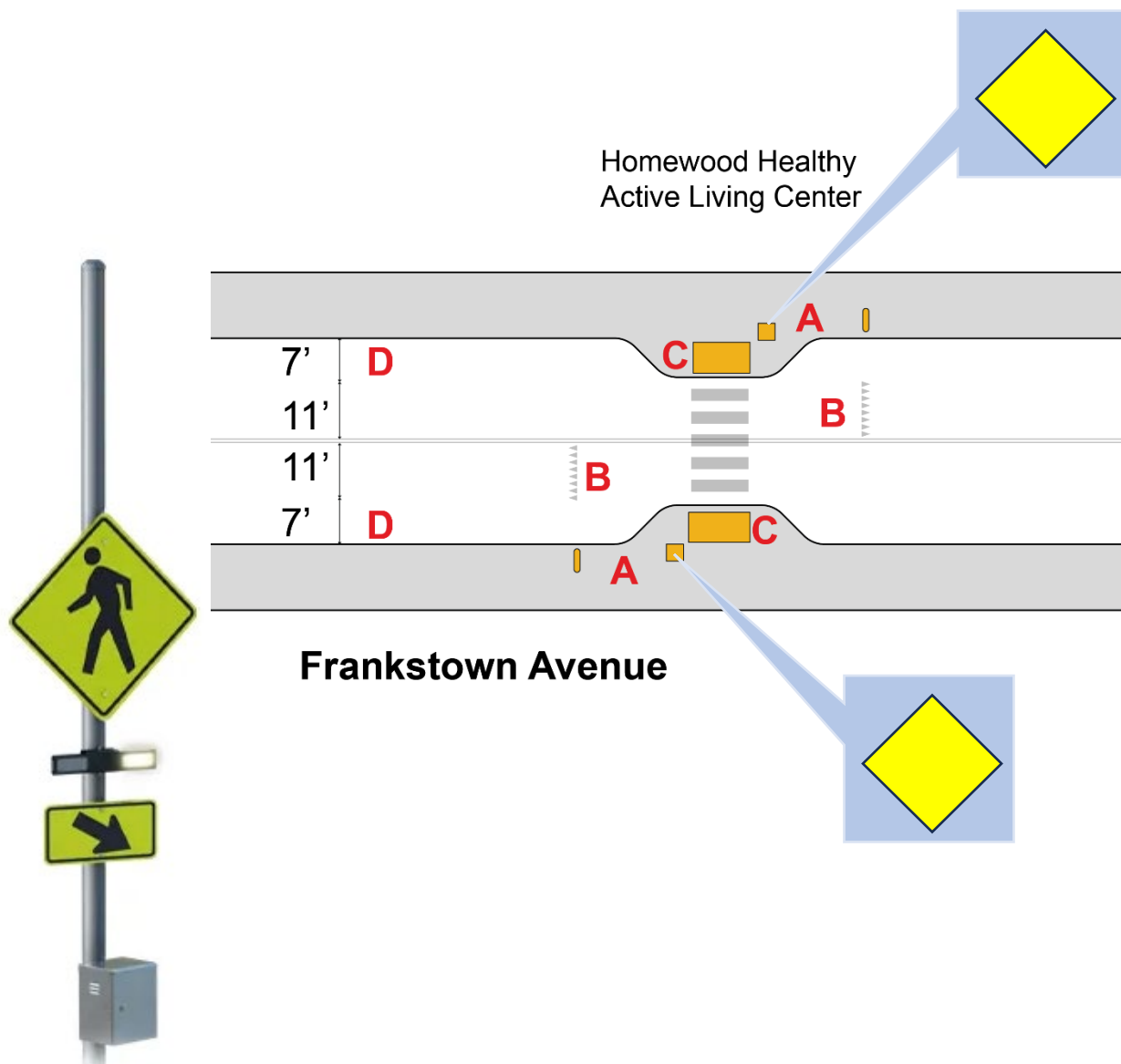
- A. Raised intersection
- B. New pavement markings
- C. Sidewalk extensions
- D. Parking lanes
- E. All way stop signs



Parks Conservancy - Baxter Park Improvement Plan overlap

<https://engage.pittsburghpa.gov/baxter-park-vision-plan>

Mid-block Crossing – HAL Center



- A. New pedestrian infrastructure
- Rectangular Rapid Flashing Beacon
 - Raised Crosswalk
 - Updated Lighting
- B. New pavement markings
- High Visibility Crosswalk
 - Advance Yield Lines
- C. Sidewalk extensions
- D. Parking lanes





Next Steps

Next Steps

- Gather community input
 - Completion early February 2024
- Incorporate community input into design plan
 - Completion late March 2024
- Develop Construction plans
 - Summer 2024
- Construction
 - Begin late 2025



Questions & Discussion

Thank you for attending!

Send questions or comments to Leila Bouabdellaoui at:

Leila.Bouabdellaoui@pittsburghpa.gov