

SR 2108-A12/SR 2308-A02 – Forbes Avenue Betterment and SR 2108-A13 – Forbes Avenue Corridor Improvements



City of Pittsburgh

Carnegie Mellon University



University of
Pittsburgh



U.S. Department of Transportation
Federal Highway
Administration

July 17, 2017





Agenda

- Welcome
 - Ralph Horgan, CMU
- Overview of Projects
- Feedback and Proposed Improvements
- Oakland Projects
- Forbes Corridor Overview
 - Birmingham Bridge to Bigelow Boulevard
 - Bigelow Boulevard to Craig Street
 - Craig Street to Beeler Street
 - Beeler Street to Margaret Morrison Street
- Maintenance and Protection of Traffic & Schedule
- Q and A

Introductions

- Project Team
 - PENNDOT
 - Cheryl Moon-Sirianni, PE; Assistant District Executive, Design
 - John J. Zelesnak, PE; Project Manager
 - Todd Kravits, PE; District Traffic Engineer
 - Mark Young; District Environmental Manager
 - Tyler Mercer, PE, Assistant Environmental Manager
 - City of Pittsburgh
 - Karina Ricks; Director, Department of Mobility and Infrastructure
 - Amanda Purcell, PE; Municipal Traffic Engineer
 - Kristin Saunders, RA; Bicycle & Pedestrian Coordinator
 - Katy Sawyer, PE; Mobility Engineer
 - WRA
 - Eric C. Meyer, PE; Project Manager
 - Daniel Fritz, PE; Senior Project Engineer
 - Tyler Steele, PE; Project Engineer
 - CMU
 - Ralph Horgan, Associate Vice President
 - Bob Reppe; Director of Design
 - OTMA
 - Mavis Rainey; Executive Director
 - University of Pittsburgh
 - Paul Supowitz; Vice Chancellor for Community & Governmental Relations
 - Ron Leibow; Senior Manager of Planning & Design
 - Port Authority of Allegheny County
 - David Wohlwill, AICP; Program Manager, Long-Range Planning

Project Description

SR 2108-A12/SR 2308-A02 – Forbes Avenue Betterment

- Birmingham Bridge to Margaret Morrison Street (Federal and State funds)
 - Resurfacing (mill/overlay) of the corridor
 - Five (5) New Traffic Signals with full pedestrian and Americans with Disabilities Act (ADA) compliant upgrades
 - Traffic Signal Upgrades at existing traffic signals

SR 2108-A13 - Forbes Avenue Corridor Improvements

- Traffic Signal Replacement and Safety Improvements from South Craig Street to Margaret Morrison Street (Federal funds with CMU providing the local match)
 - Six (6) New Traffic Signals with full pedestrian and Americans with Disabilities Act (ADA) compliant upgrades
 - Converting existing four lanes to two lanes w/ center turn lane and bike lanes in each direction

Public Feedback – 8/24/16 Meeting

- There is a need for traffic calming through the corridor
- Safety improvements at intersections
- All walk phases need kept at Craig and Morewood
- A pedestrian crossing is needed between South Bouquet St. and Bigelow Blvd.
- How will the Bus Rapid Transit (BRT) project impact this project
- Bike connectivity is needed to connect the CMU section (Craig St.) to the Bigelow Blvd./Schenley Drive intersection.
- Maximize bike lane widths
- Left turn movements for bikes – specifically at Morewood and Beeler
- How will bike conflict areas be handled
 - Driveways
 - Intersections
 - Pull-offs

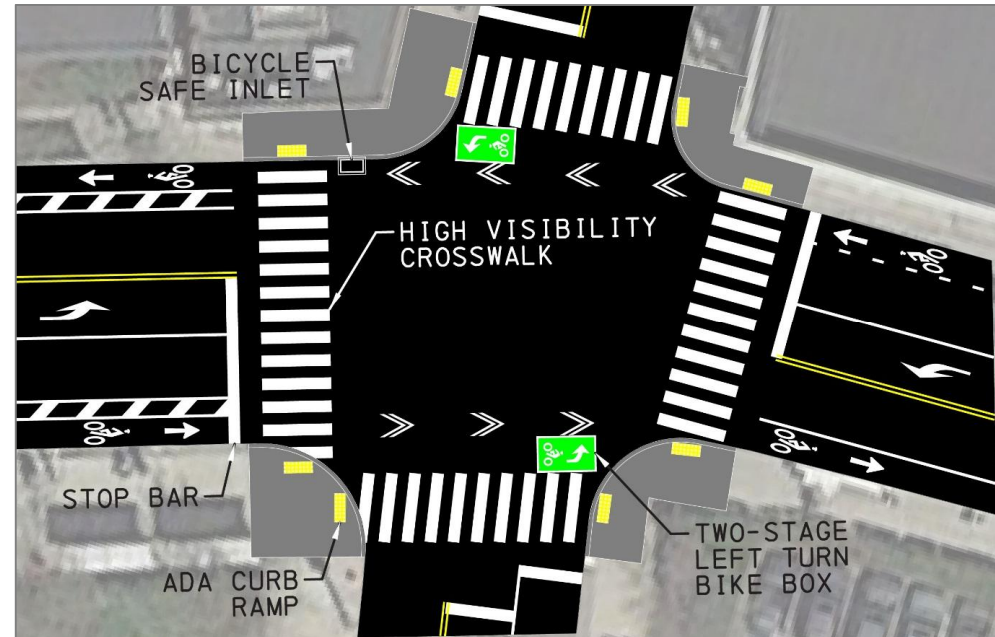
Pedestrian Improvements

➤ Physical Improvements

- Upgraded ADA curb ramps
- High visibility crosswalks (piano keys)
- New Stop Bars
- New Pedestrian countdown heads
- Audible signals/push buttons

➤ Operational Improvements

- Leading/advance pedestrian walk phase at all intersections except Forbes Ave/Morewood Ave and Forbes Ave/S. Craig St, which will remain an all-walk phase
- New signaled pedestrian crossing between Bouquet St and Bigelow Blvd/Schenley Dr



Bicycle Improvements

- New bike lanes between Bigelow Blvd/Schenley Dr and Margaret Morrison St
- Completes connectivity to existing bike facilities
- Two-stage left turns (Curb Cuts at T intersections)
- Minimum 5' width bike lanes with a 2'-4' painted buffer where space permits
- New bicycle safe inlet grates
- New and updated signing and signals for bike infrastructure
- Improvements won't negatively impact BRT





Oakland Projects

- Additional upcoming projects in Oakland
 - City of Pittsburgh 2017 Bike Lanes
 - Bigelow Boulevard
 - BRT

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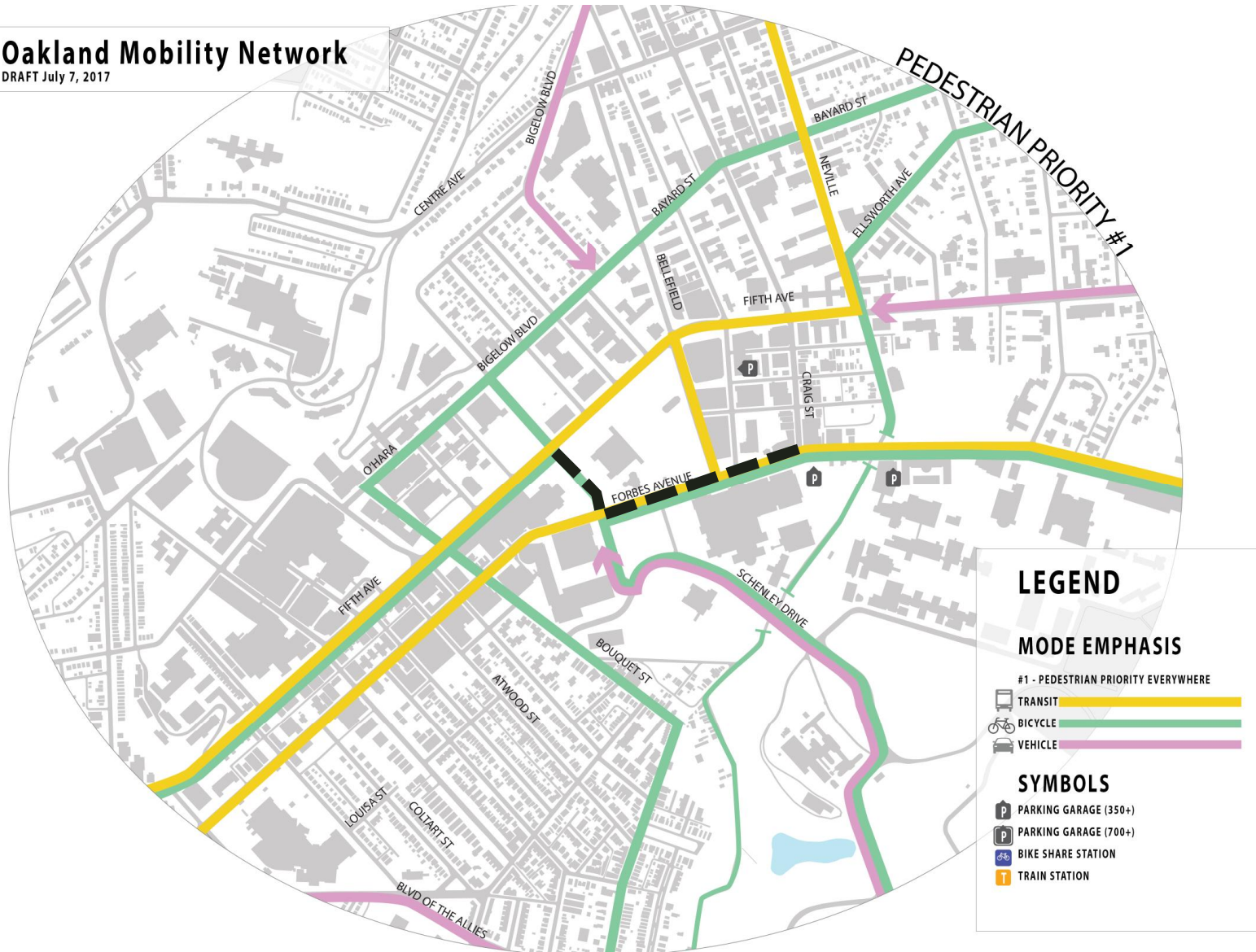


Oakland Mobility Network

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UPCOMING PROJECTS

2017 Forbes and Bigelow Interim Improvements



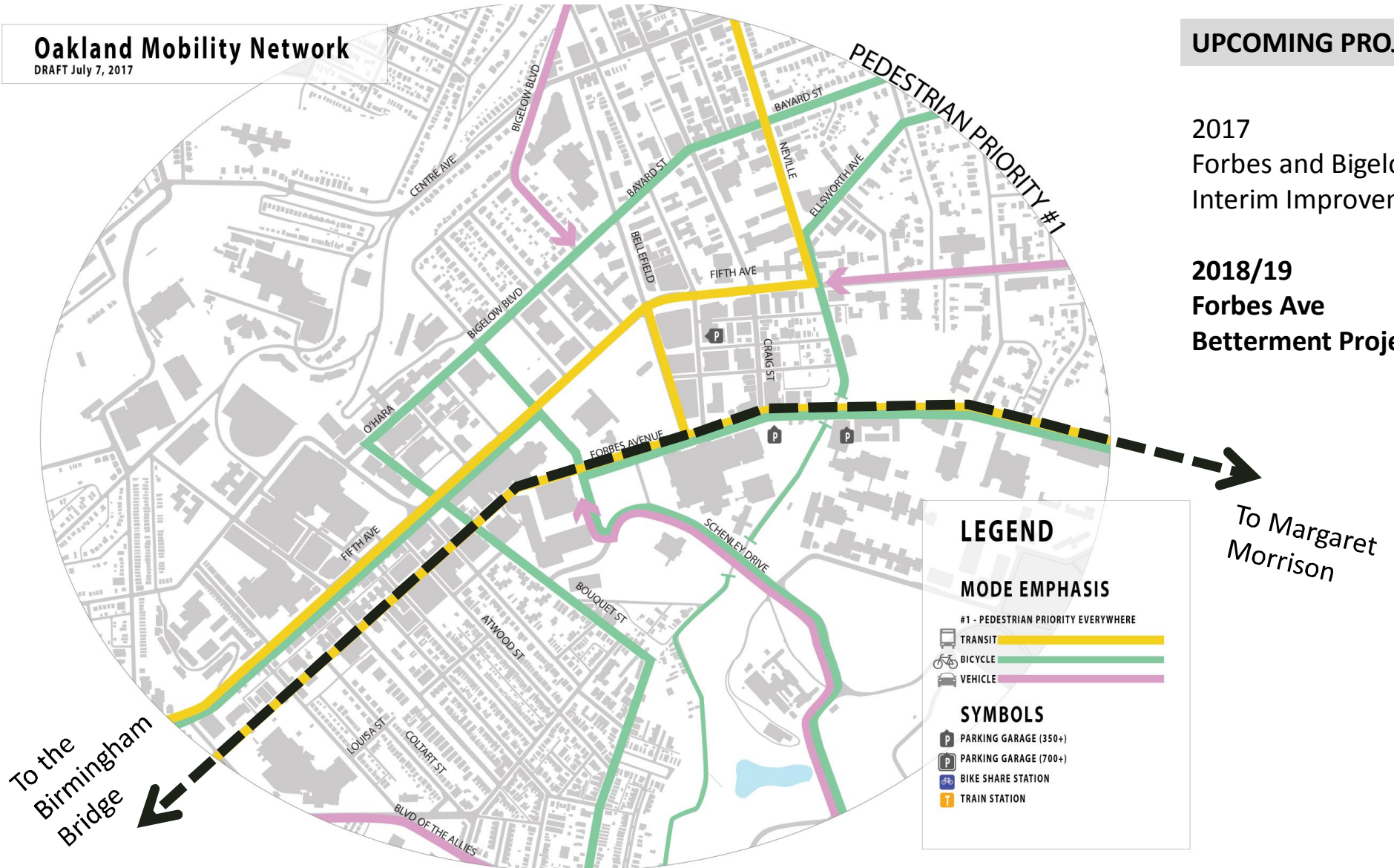
Oakland Mobility Network

DRAFT July 7, 2017

UPCOMING PROJECTS

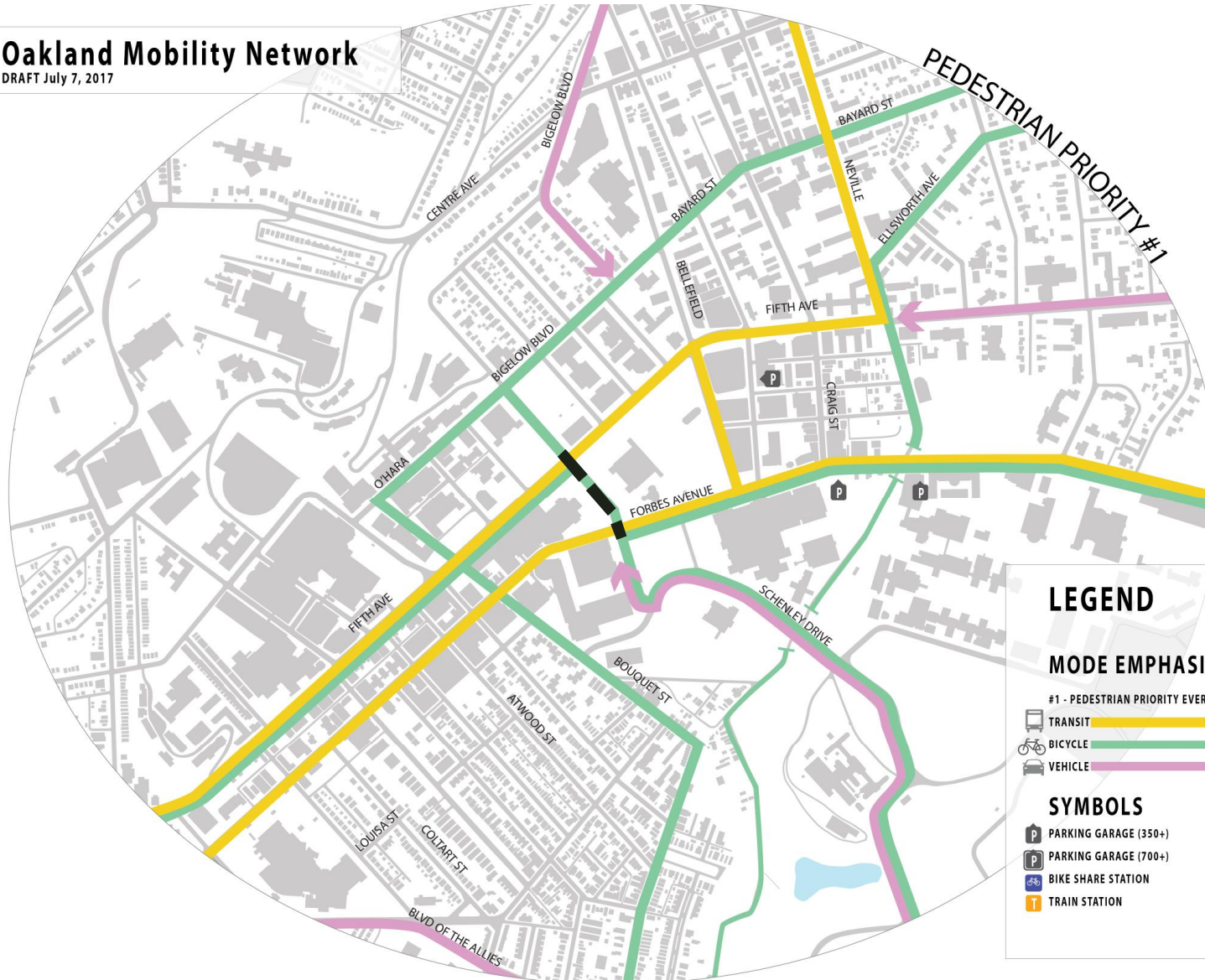
2017
Forbes and Bigelow
Interim Improvements

2018/19
Forbes Ave
Betterment Project



Oakland Mobility Network

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LEGEND

MODE EMPHASIS

#1 - PEDESTRIAN PRIORITY EVERYWHERE



SYMBOLS



UPCOMING PROJECTS

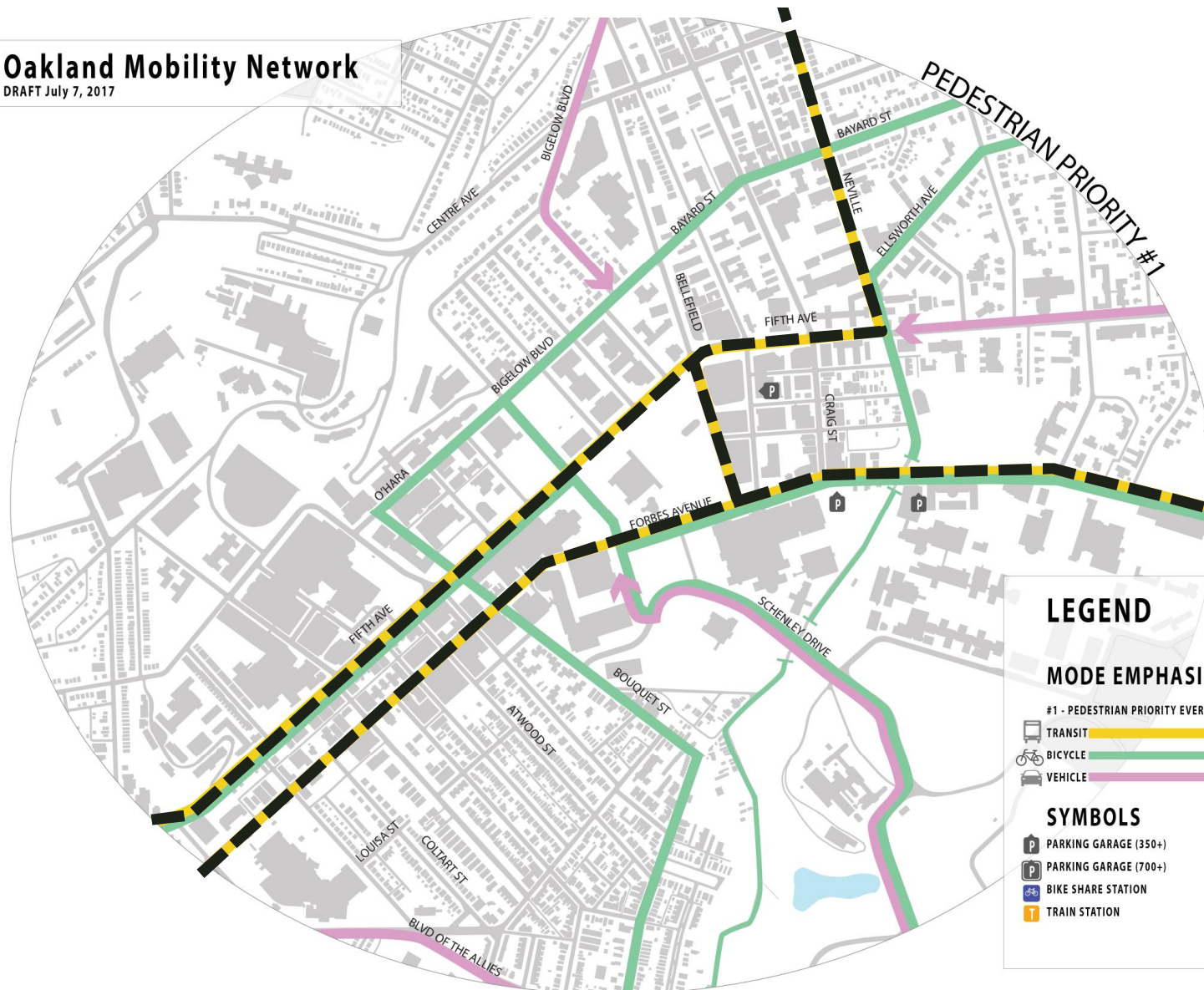
2017
Forbes and Bigelow
Interim Improvements

2018/19
Forbes Ave
Betterment Project

2018/19
Bigelow Blvd Redesign

Oakland Mobility Network

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UPCOMING PROJECTS

2017
Forbes and Bigelow
Interim Improvements

2018/19
Forbes Ave
Betterment Project

2018/19
Bigelow Blvd Redesign

2020/21
Bus Rapid Transit

LEGEND

MODE EMPHASIS

#1 - PEDESTRIAN PRIORITY EVERYWHERE

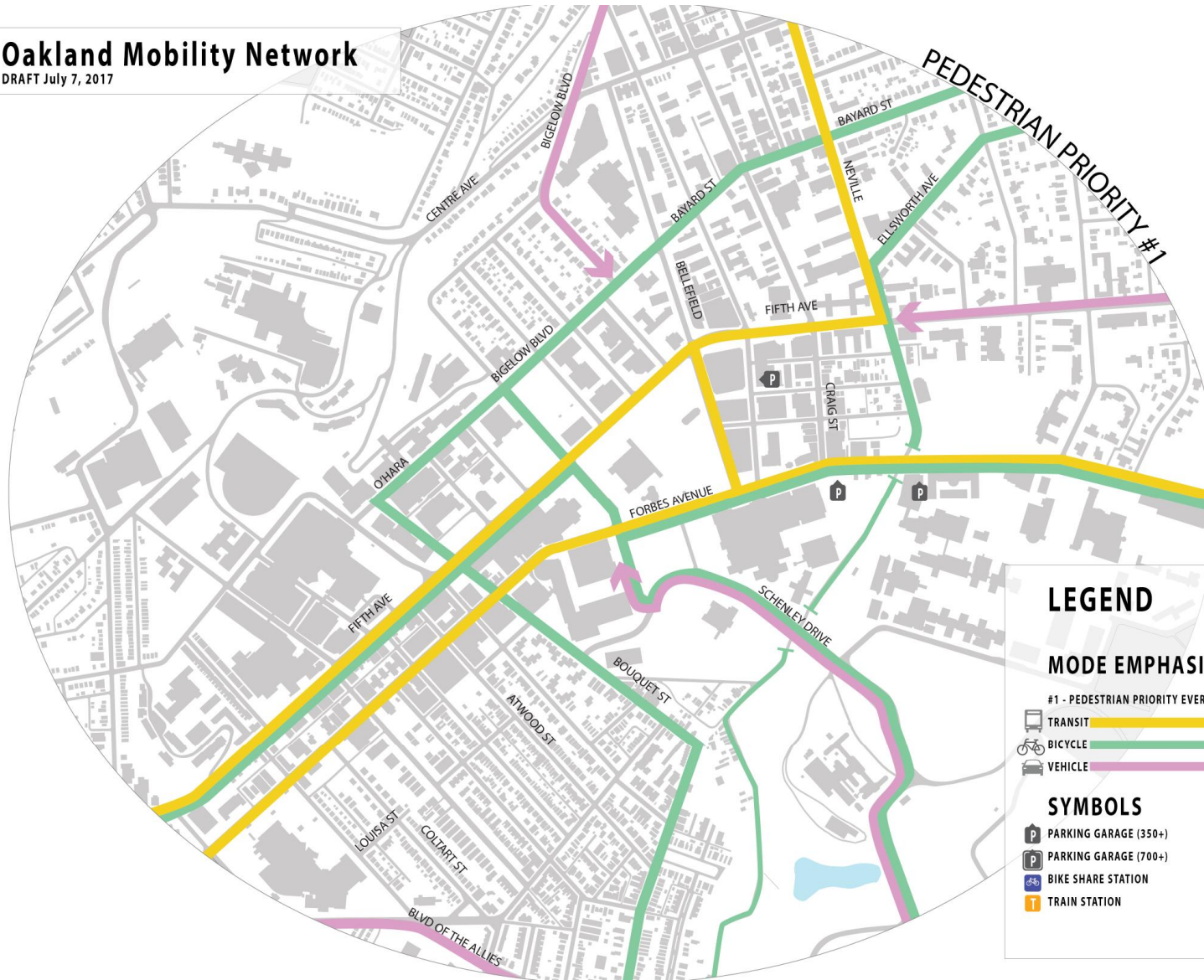


SYMBOLS



Oakland Mobility Network

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LEGEND

MODE EMPHASIS

#1 - PEDESTRIAN PRIORITY EVERYWHERE

- TRANSIT
- BICYCLE
- VEHICLE

SYMBOLS

- PARKING GARAGE (350+)
- PARKING GARAGE (700+)
- BIKE SHARE STATION
- TRAIN STATION

UPCOMING PROJECTS

2017
Forbes and Bigelow
Interim Improvements

2018/19
Forbes Ave
Betterment Project

2018/19
Bigelow Blvd Redesign

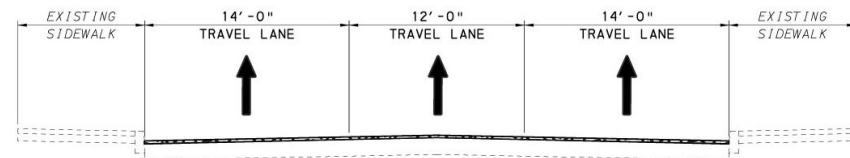
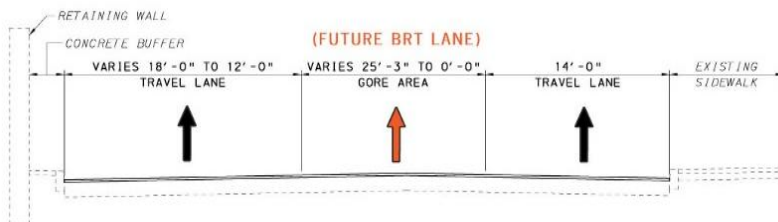
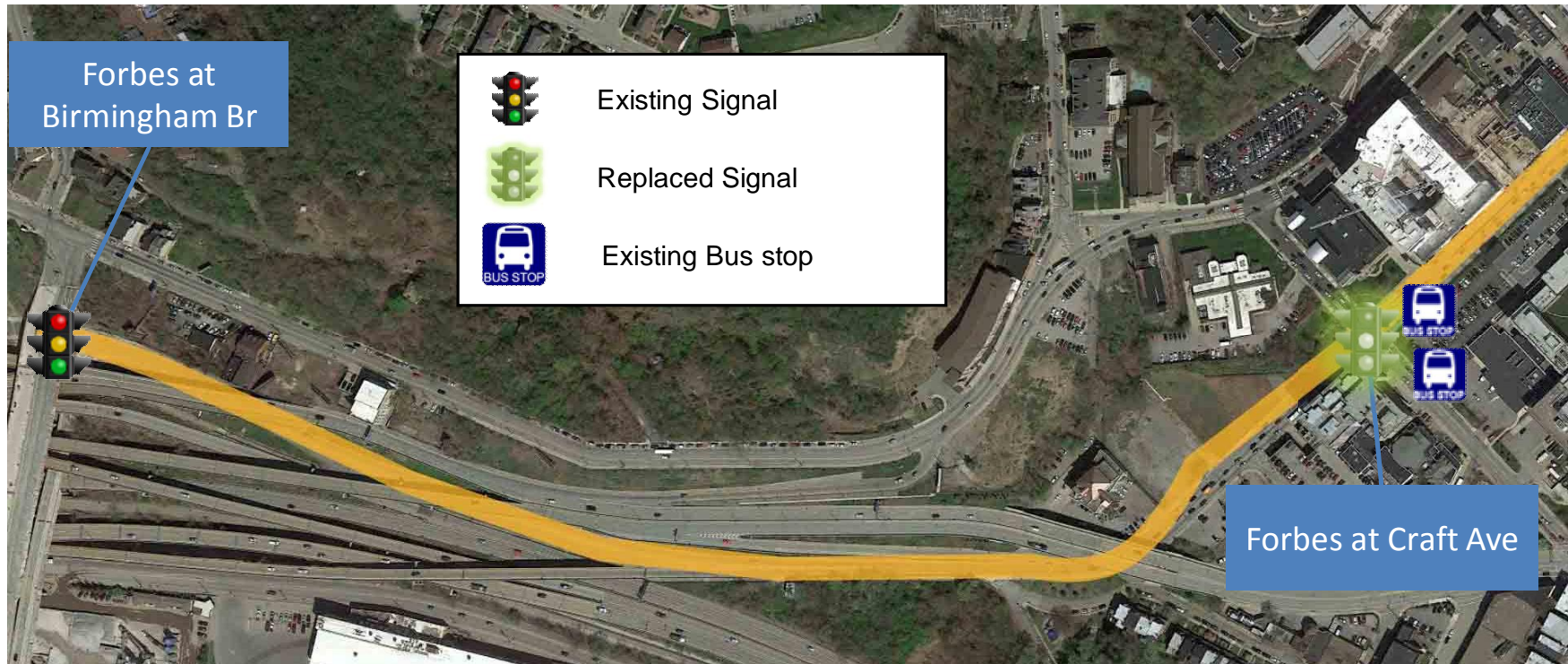
2020/21
Bus Rapid Transit

**Smart Spines /
Smart Signals**

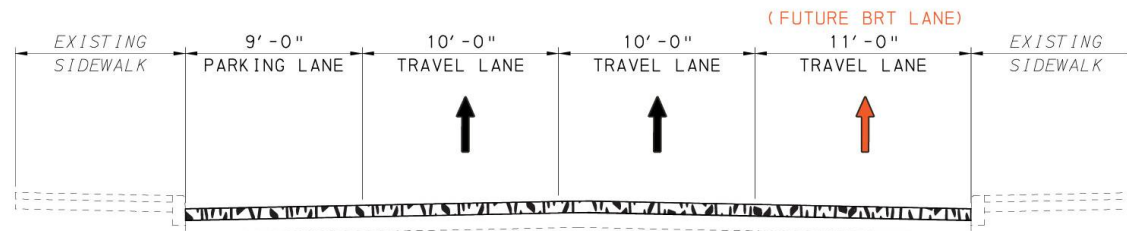
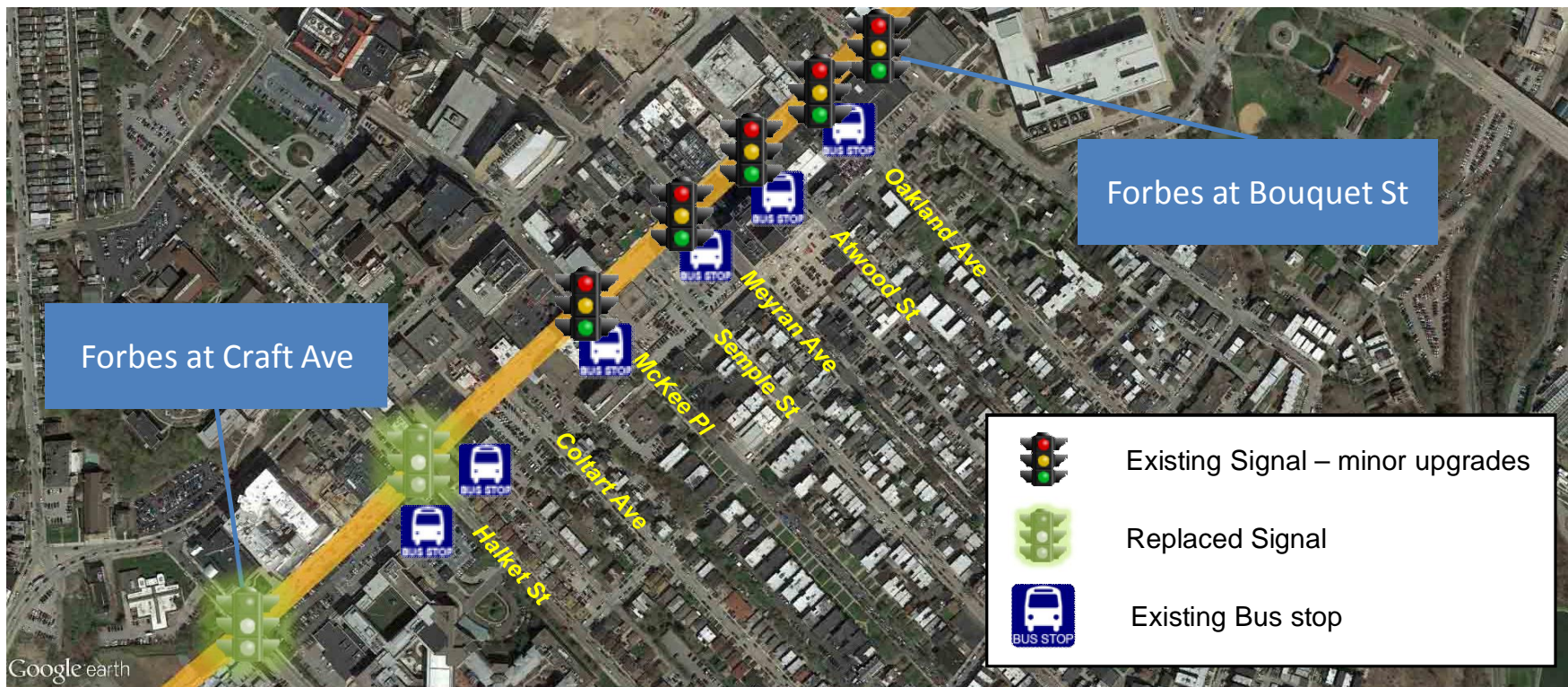
Project Overview – SR 2108- A12/SR 2308-A02/ SR 2108-A13 Forbes Avenue Projects



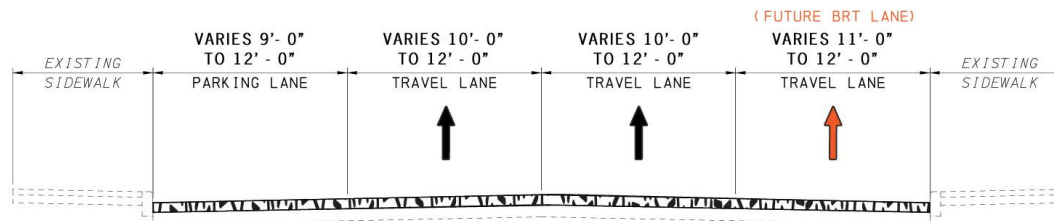
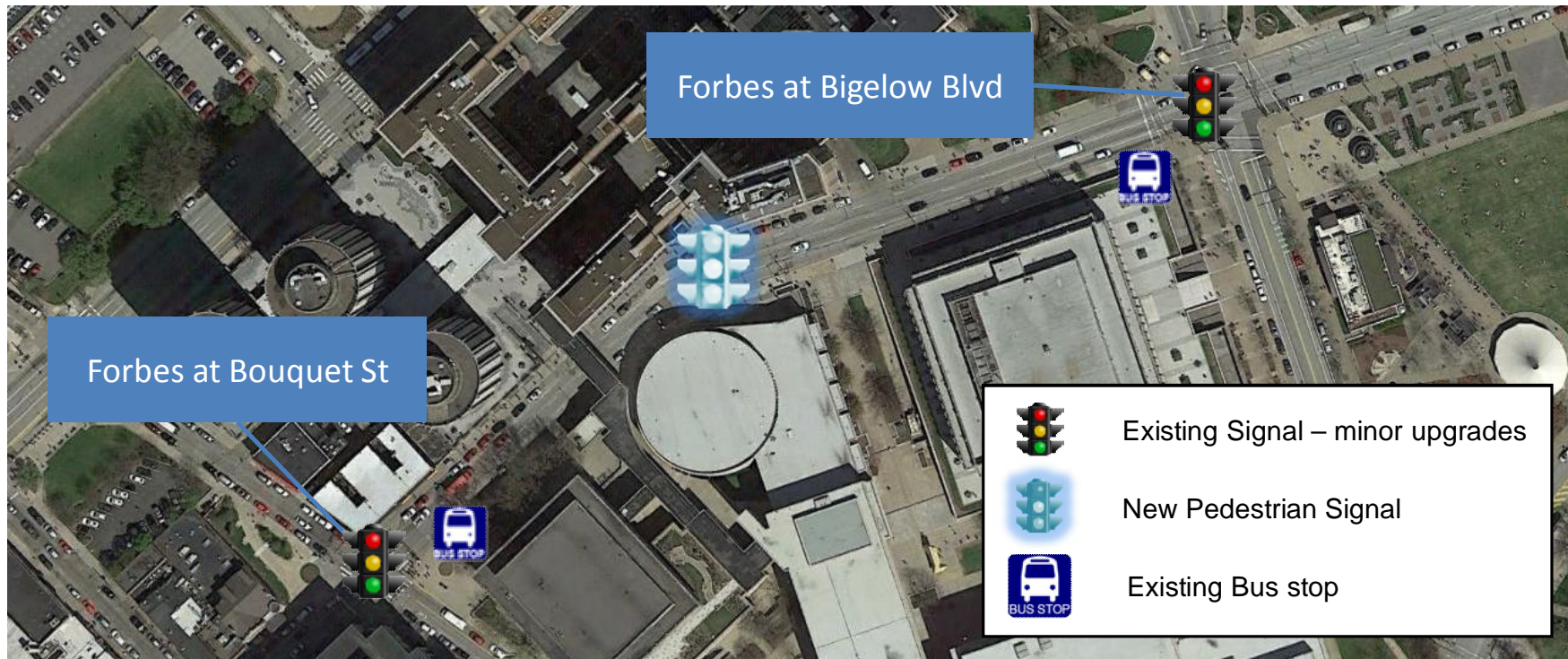
Birmingham Bridge to Craft Avenue



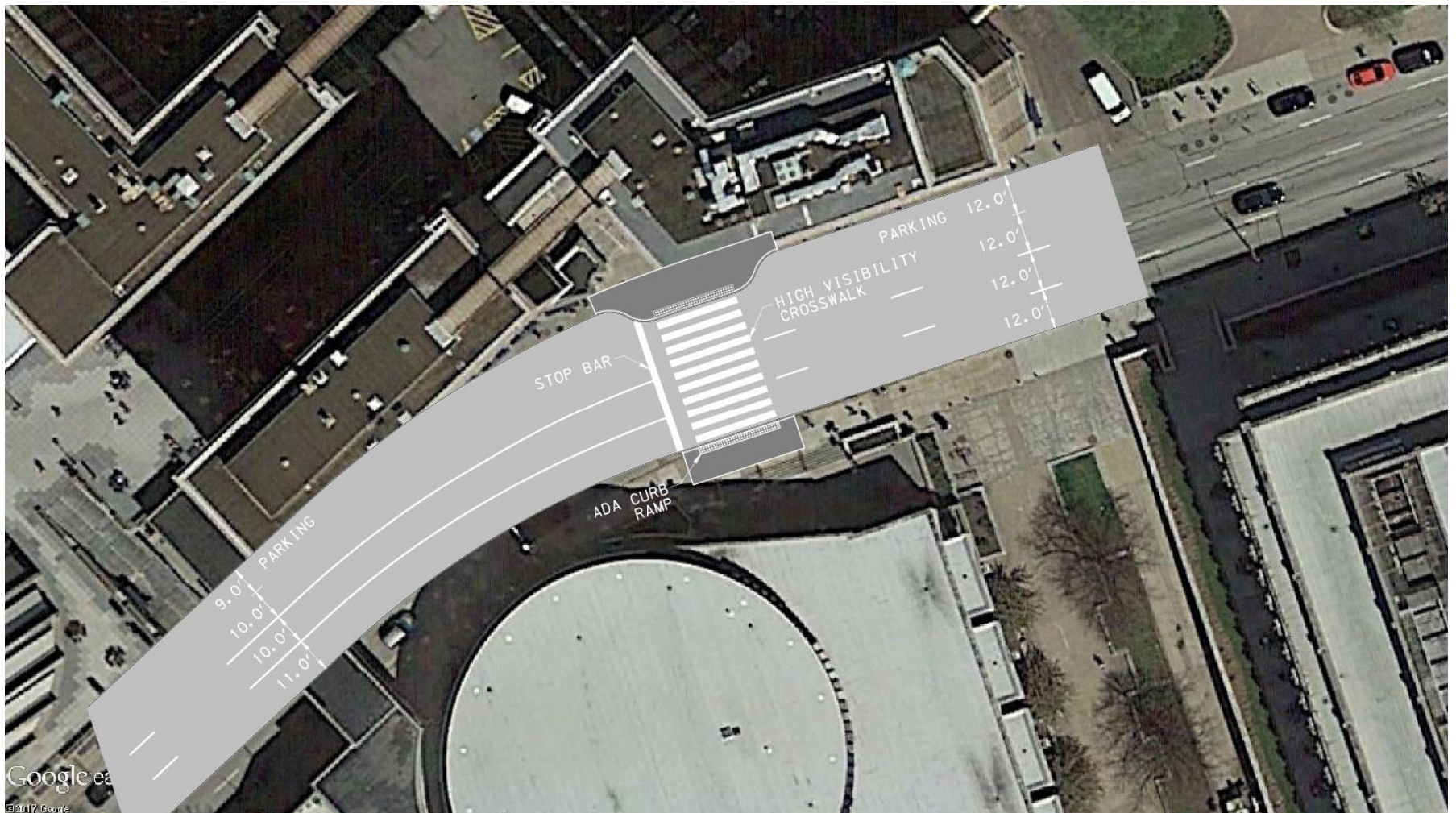
Craft Avenue to Bouquet Street



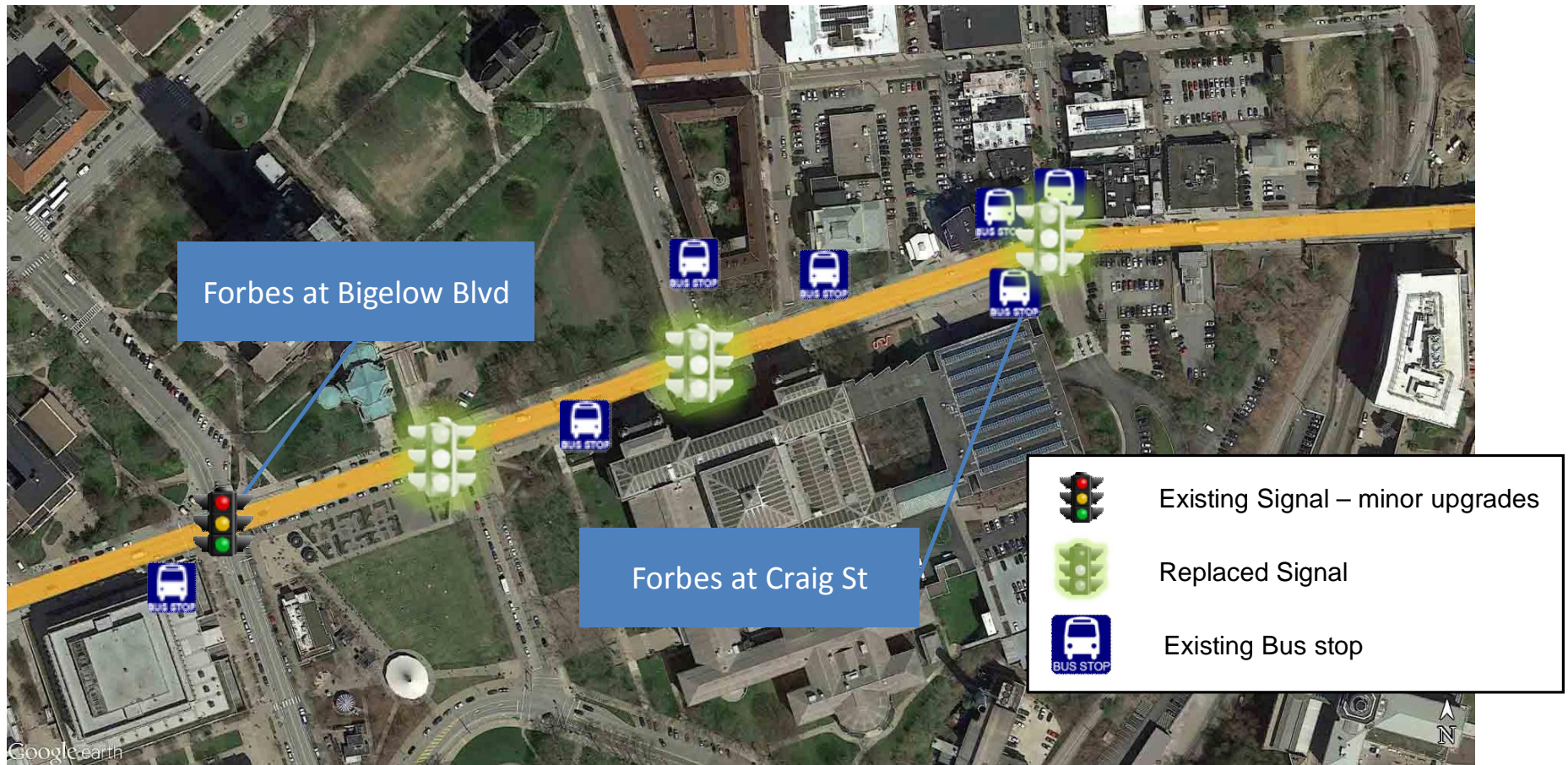
Bouquet Street to Bigelow Blvd



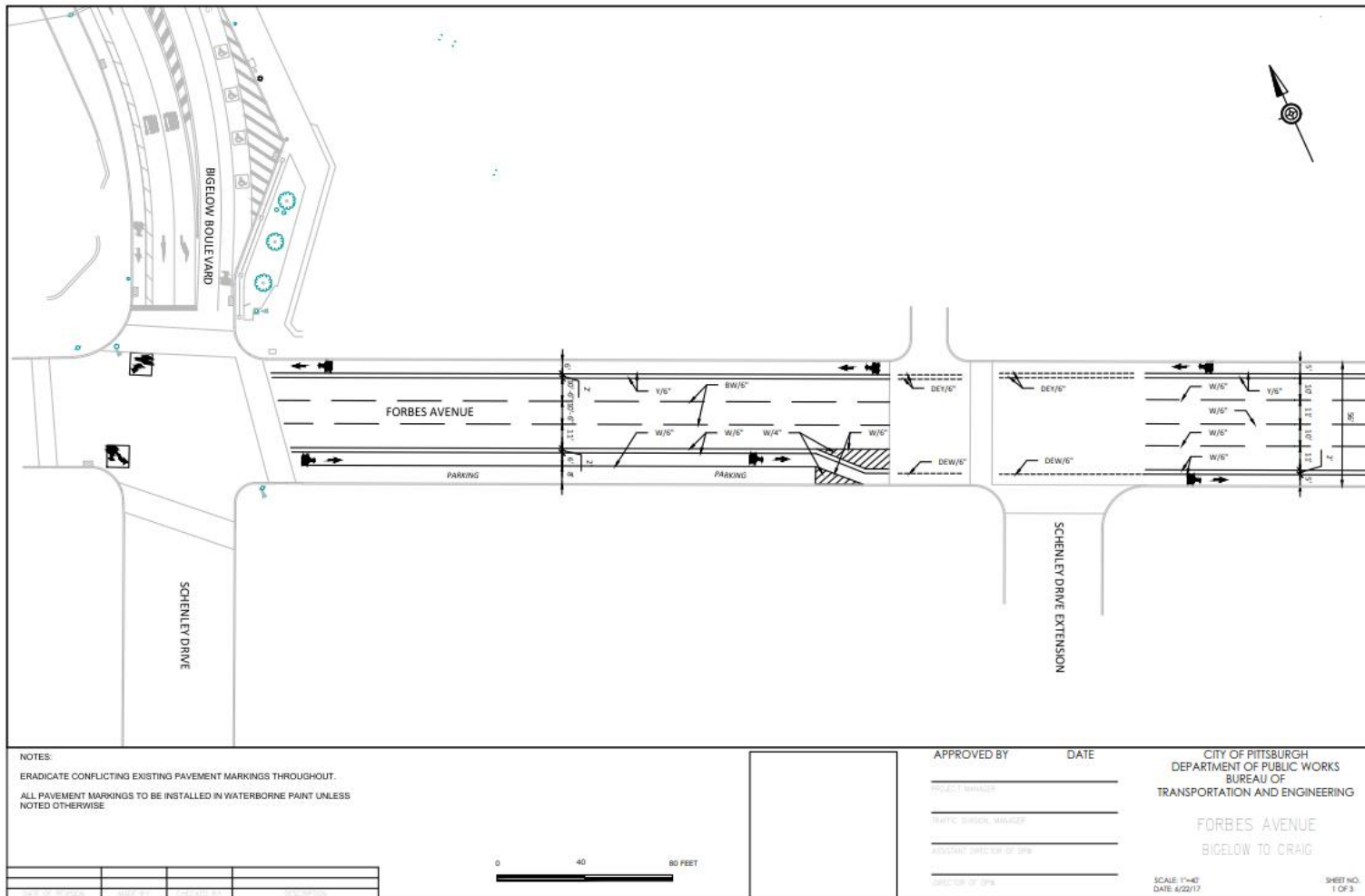
New Traffic Signal

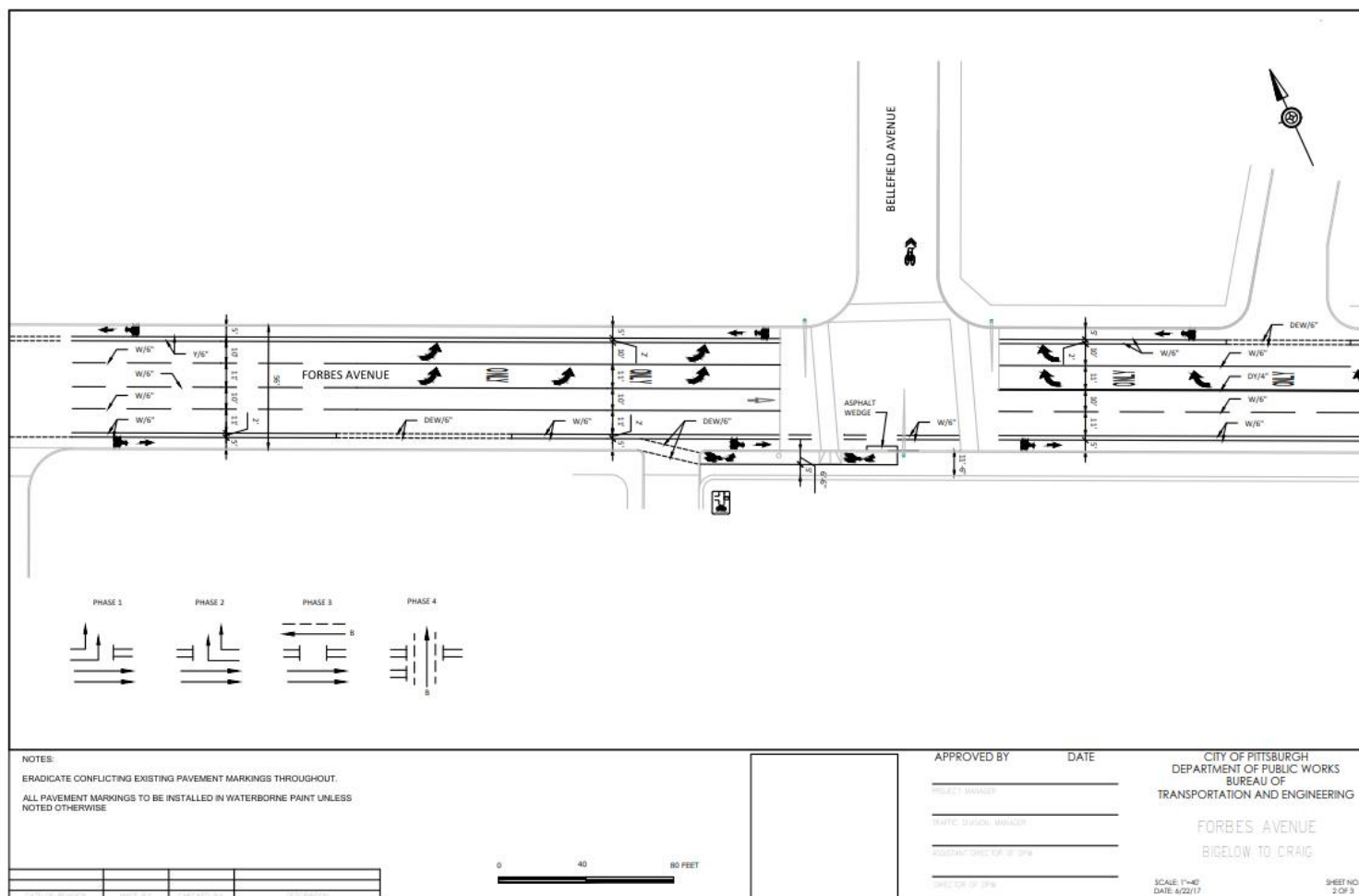


Bigelow Blvd to Craig Street

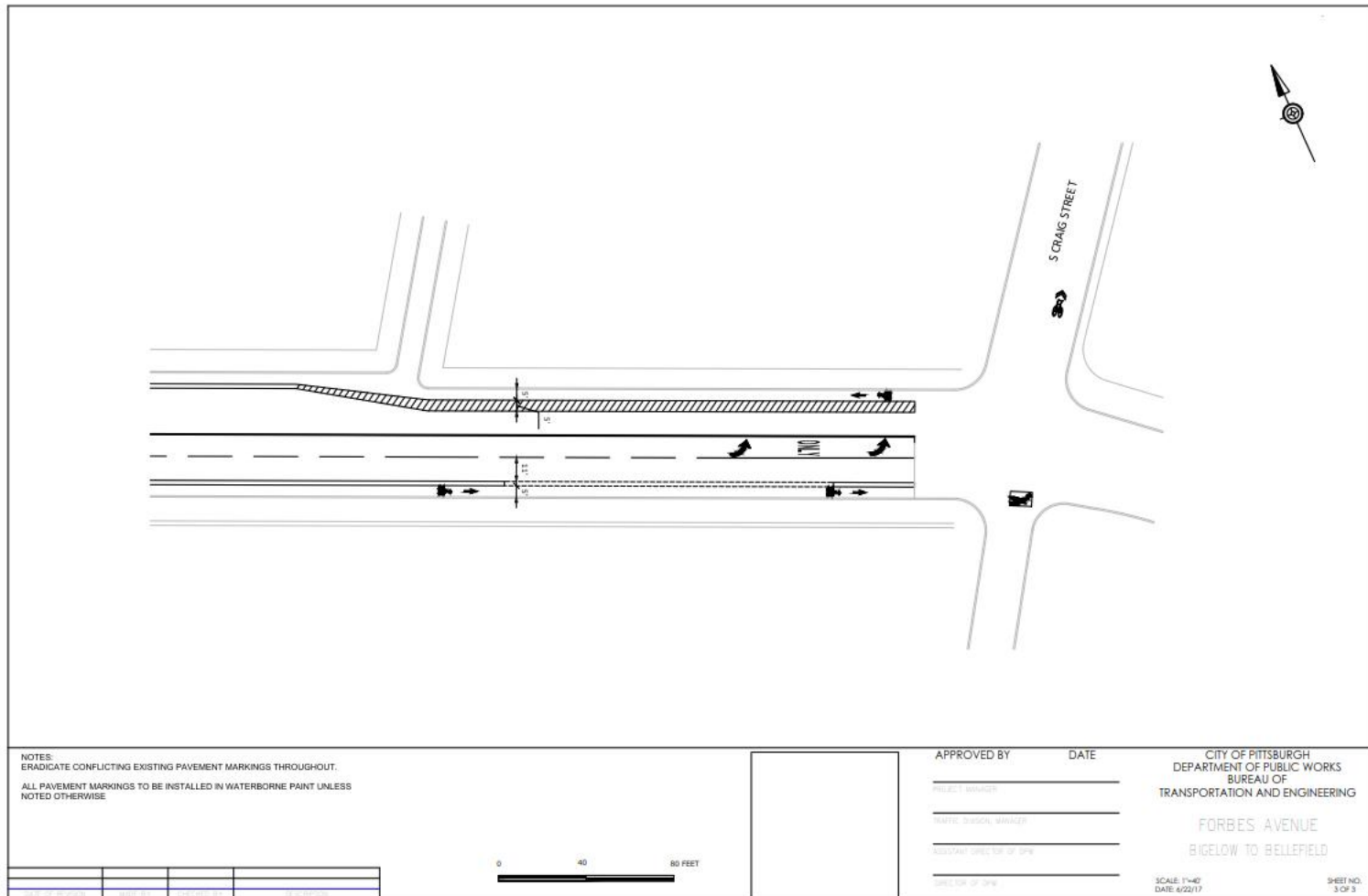


2017 Forbes Ave Interim Improvements





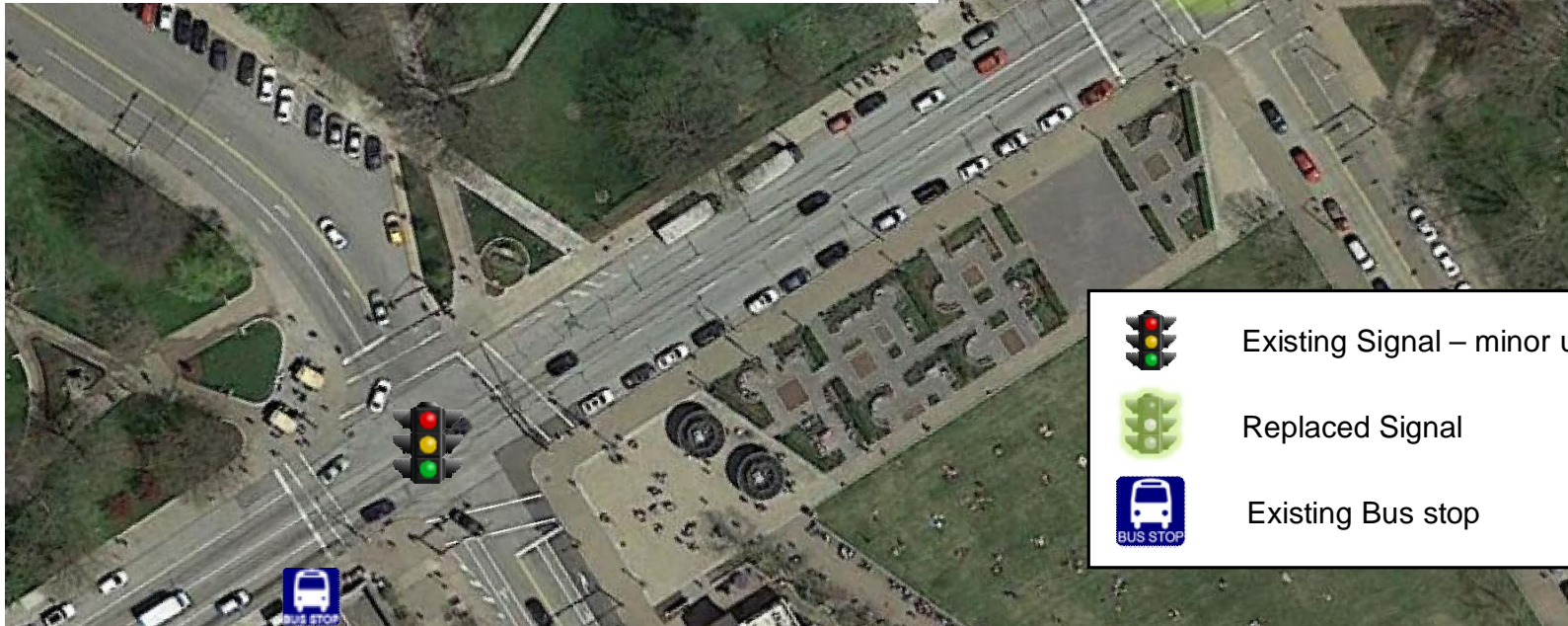
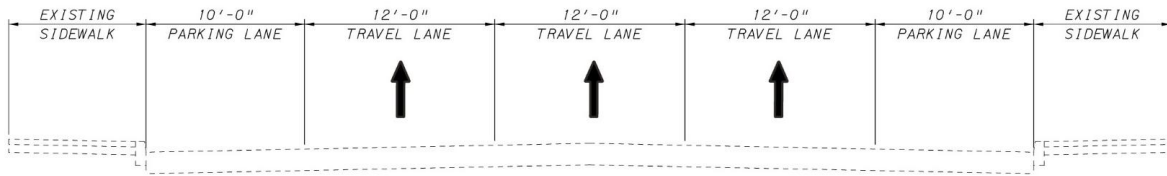
2017 Forbes Ave Interim Improvements



Existing Intersection Configurations

Forbes Avenue at Bigelow Blvd/Schenley Drive & Schenley Drive Extension

EXISTING



Existing Signal – minor upgrades



Replaced Signal

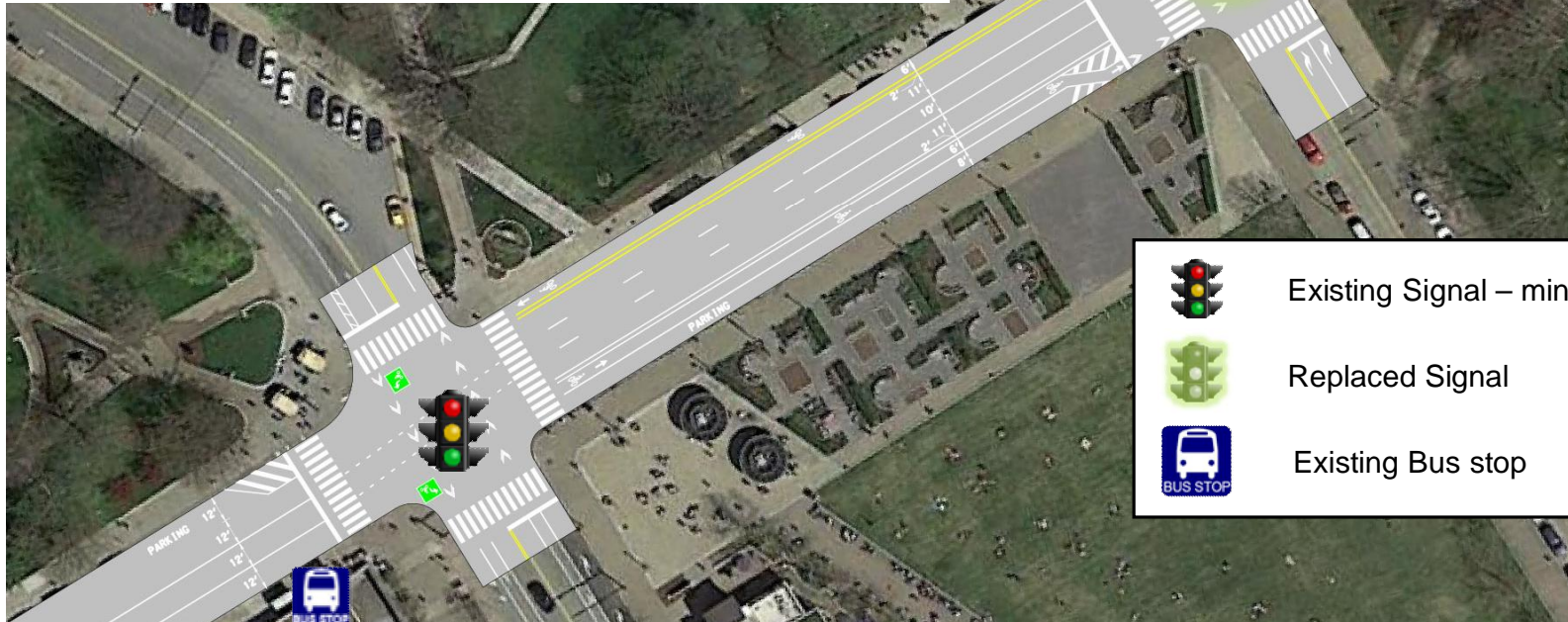
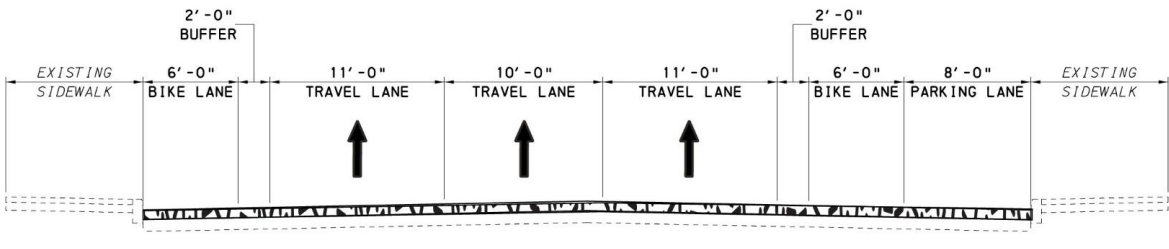


Existing Bus stop

Proposed Intersection Configurations

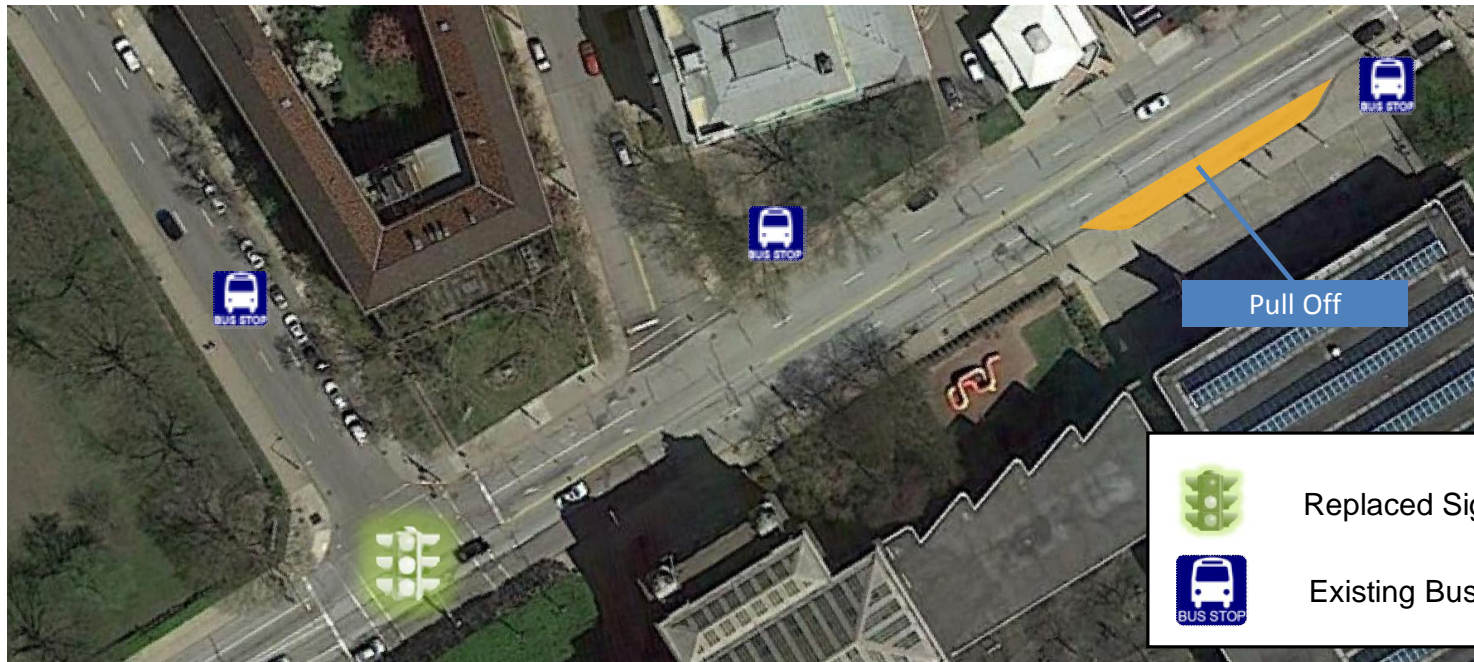
Forbes Avenue at Bigelow Blvd/Schenley Drive & Schenley Drive Extension

PROPOSED

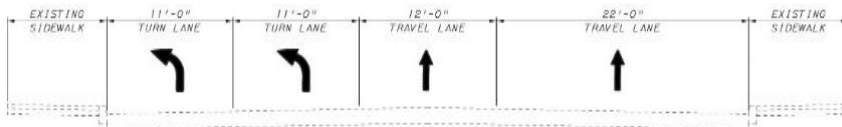


Existing Intersection Configurations

Forbes Avenue at Bellefield Avenue

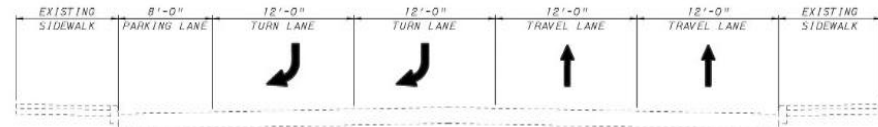


EXISTING



Schenley Dr. Ext to Bellefield Ave

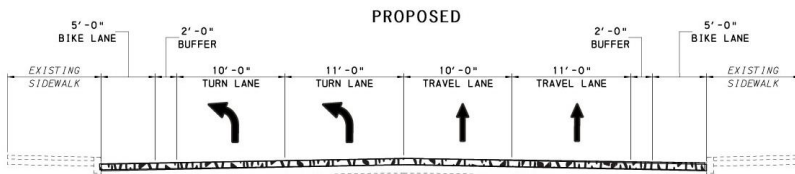
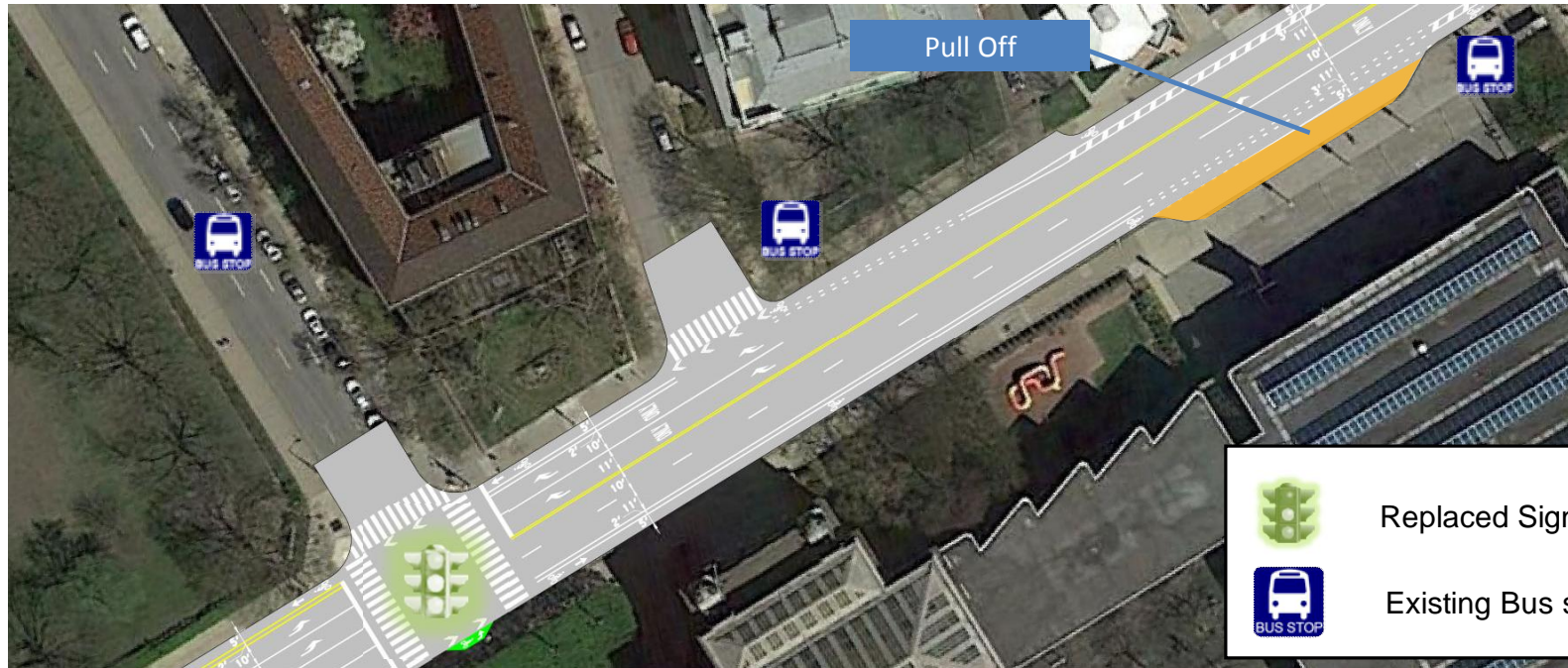
EXISTING



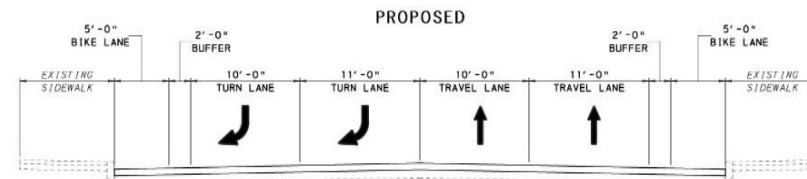
Bellefield Avenue to Craig Street

Proposed Intersection Configurations

Forbes Avenue at Bellefield Avenue

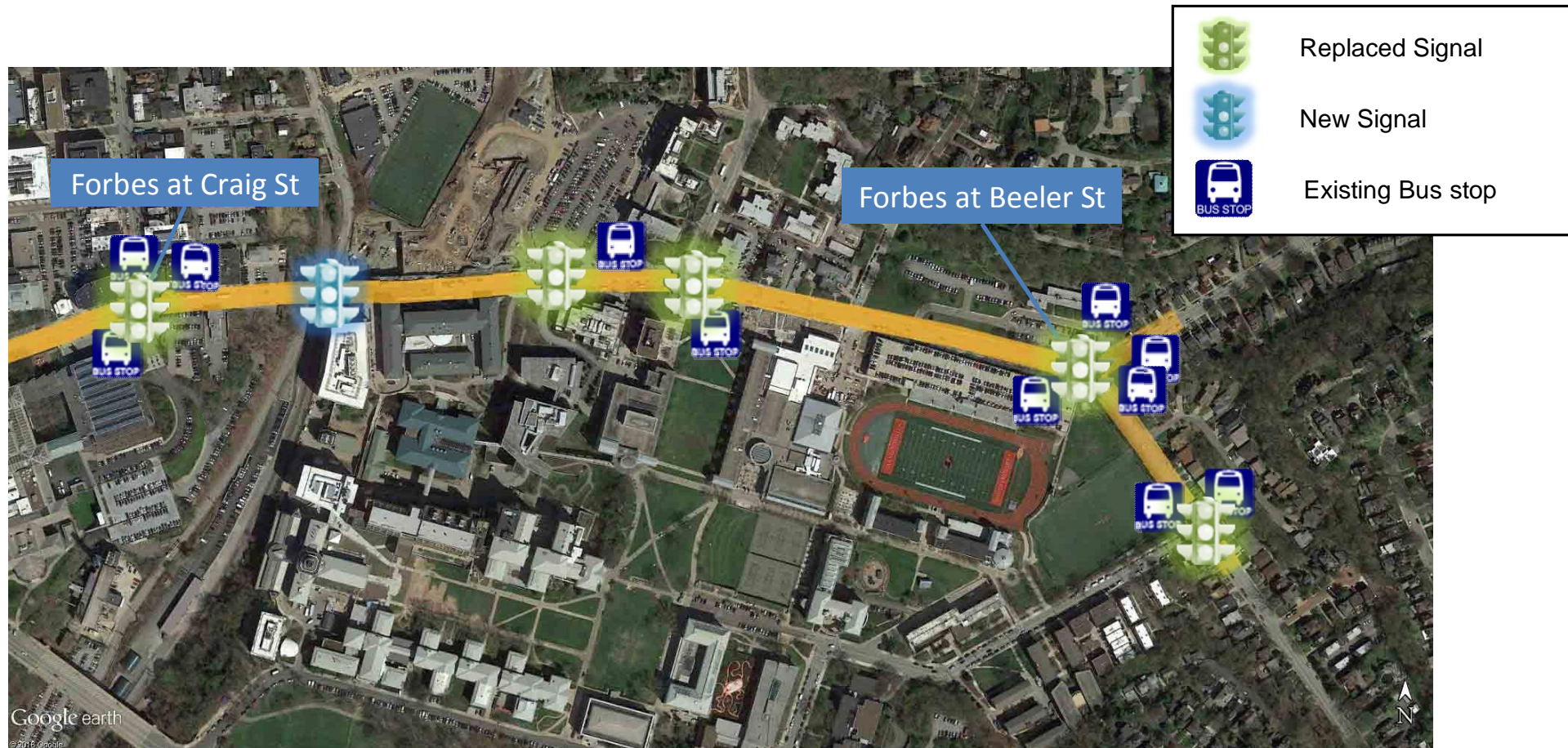


Schenley Dr. Ext to Bellefield Ave

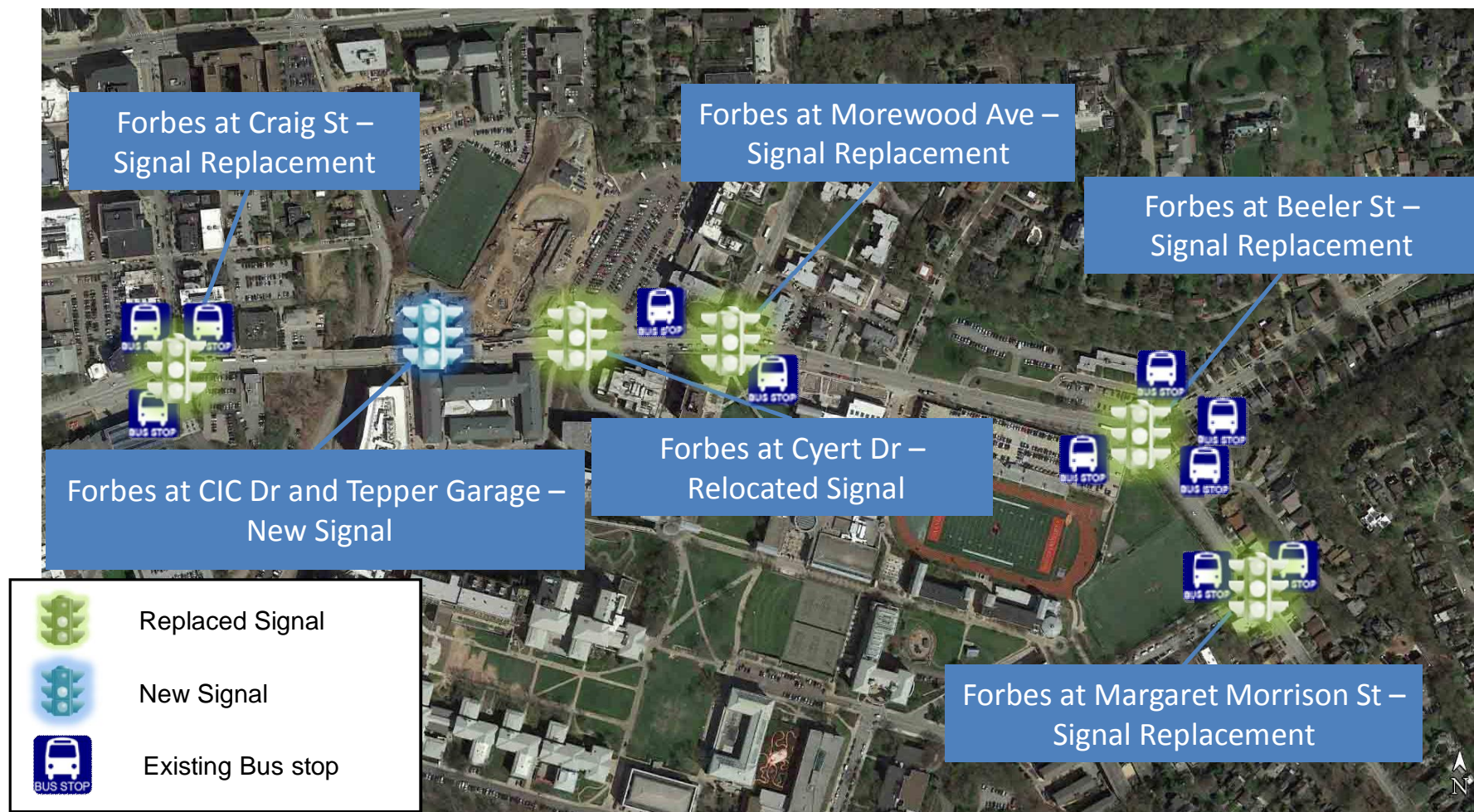


Bellefield Avenue to Craig Street

Craig Street to Beeler Street



Project Overview – SR 2108-A13 Forbes Avenue Corridor Improvements



Corridor Improvements

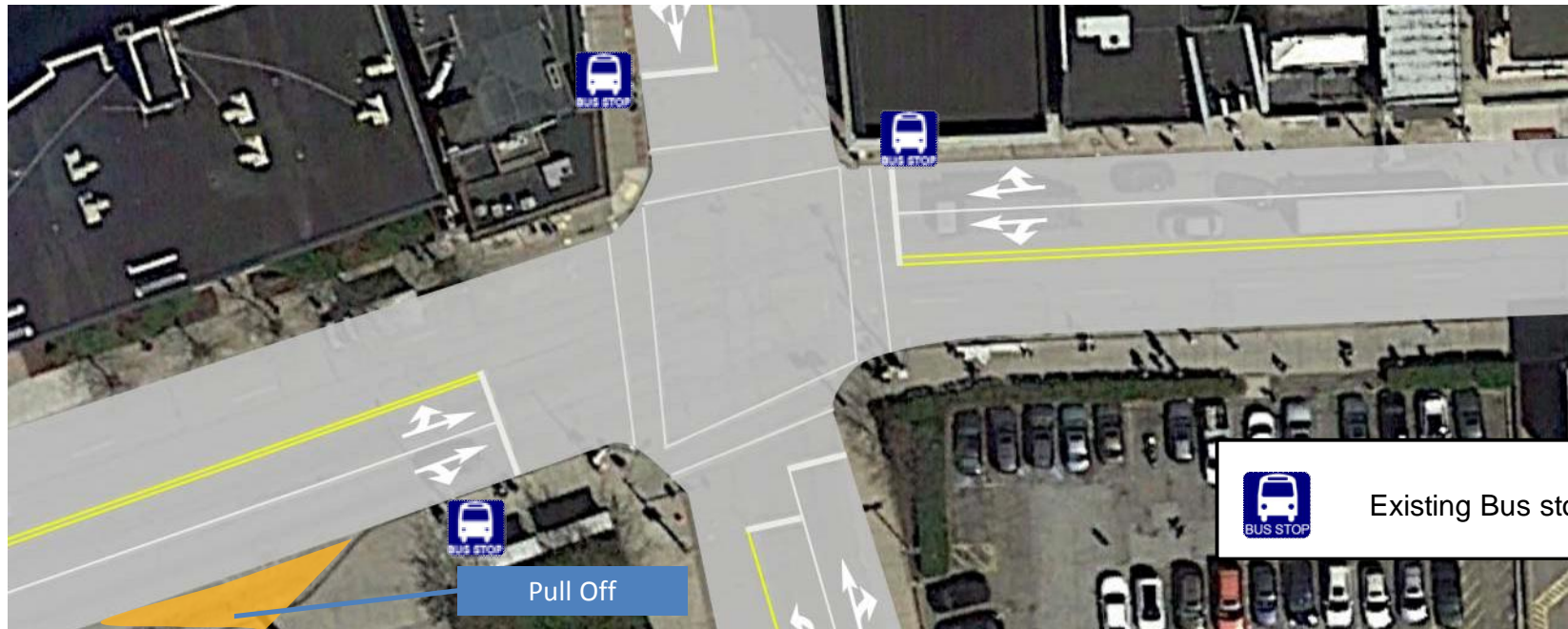
Carnegie Mellon University

Tepper Quadrangle

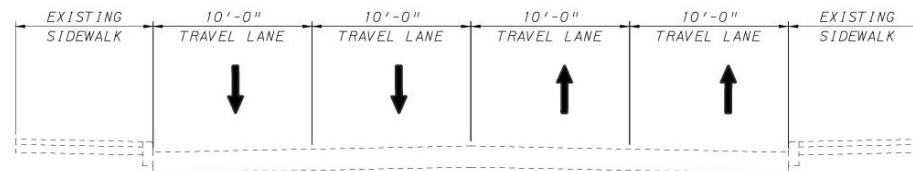


Existing Intersection Configurations

Forbes Avenue at Craig Street

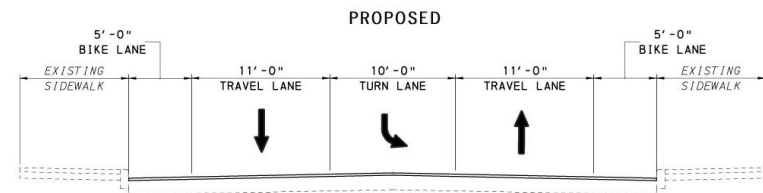
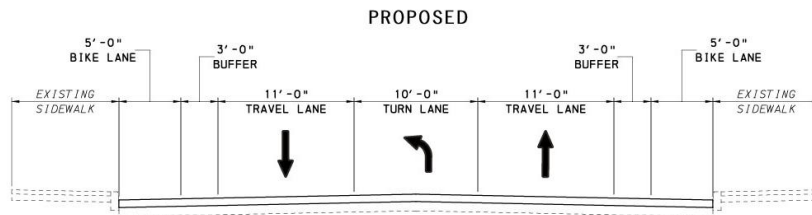
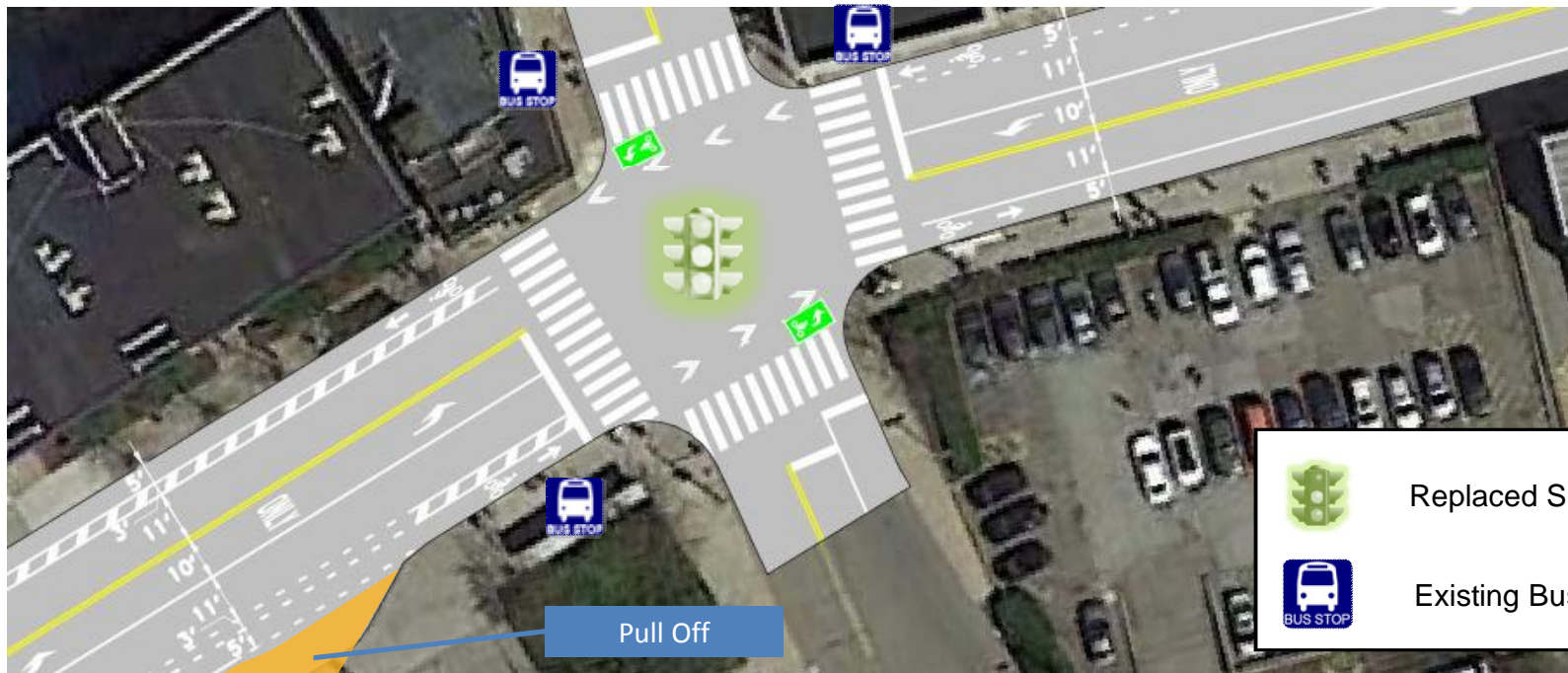


EXISTING



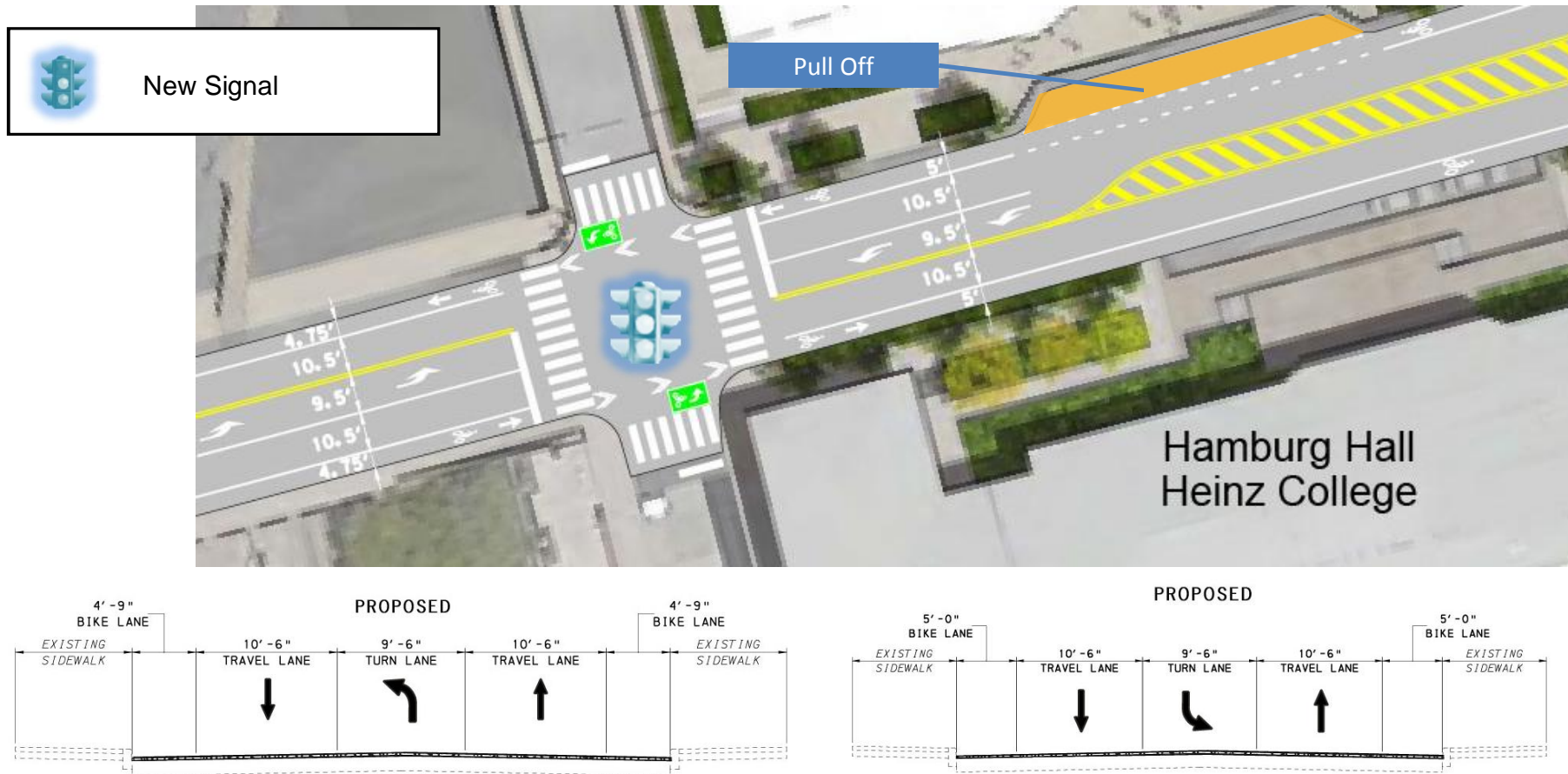
Proposed Intersection Configurations

Forbes Avenue at Craig Street



Proposed Intersection Configurations

Forbes Avenue at CIC Drive and Tepper Garage Ramp



Proposed Intersection Configurations

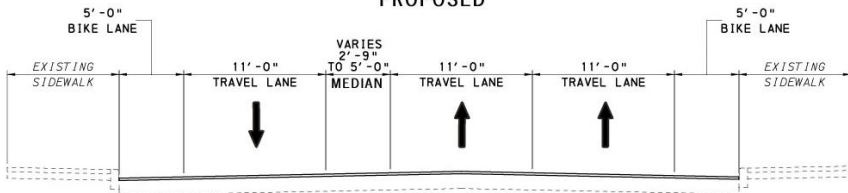
Forbes Avenue at Cyert Drive



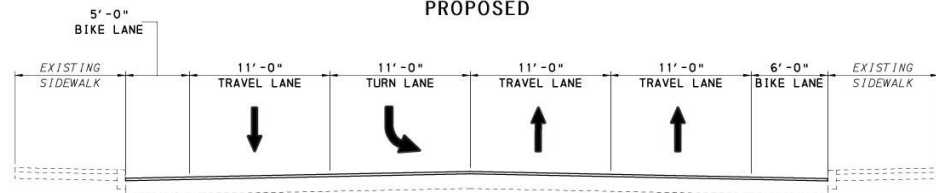
Relocated and Replaced Signal



PROPOSED

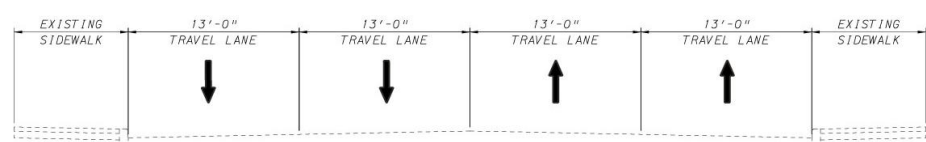
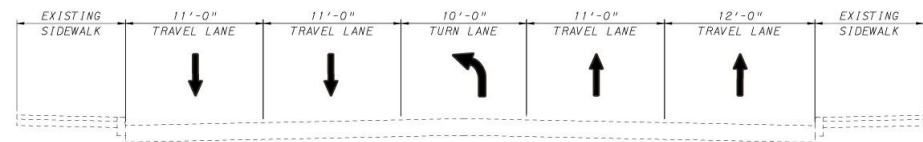


PROPOSED



Existing Intersection Configurations

Forbes Avenue at Morewood Avenue



Proposed Intersection Configurations

Forbes Avenue at Morewood Avenue

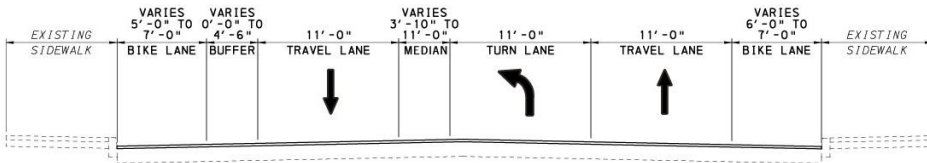


Replaced Signal

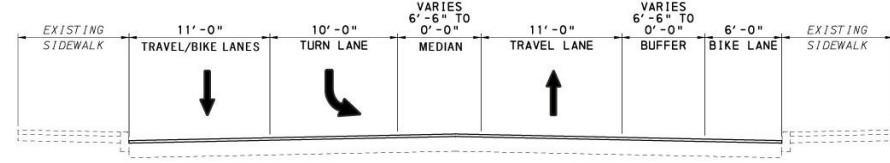


Existing Bus stop

PROPOSED

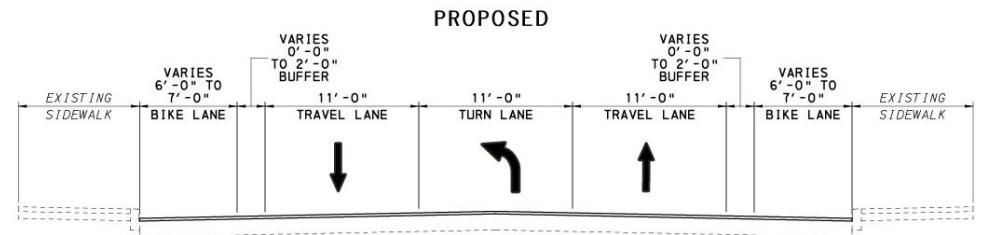
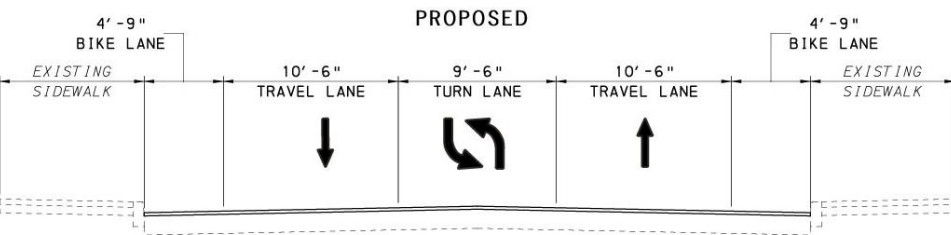
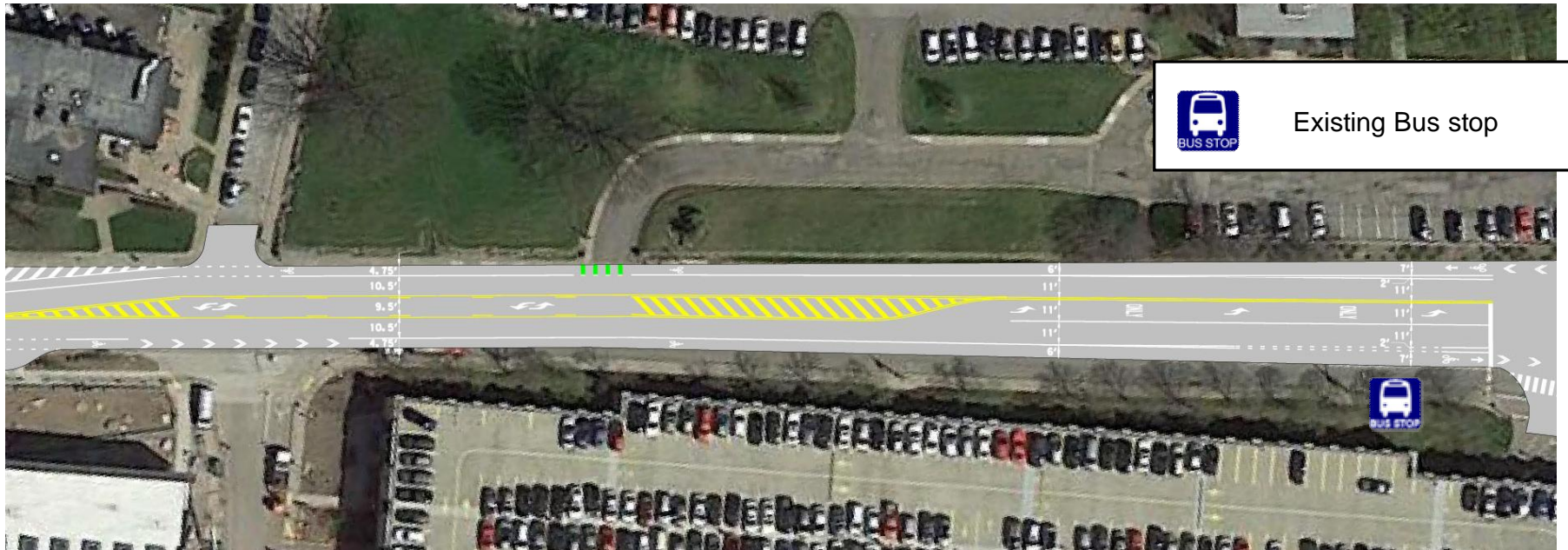


PROPOSED



Proposed Roadway Configuration

Morewood Avenue to Beeler Street

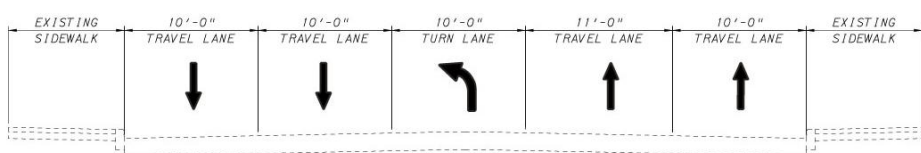


Existing Intersection Configurations

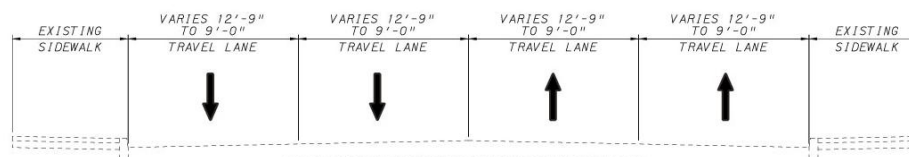
Forbes Avenue at Beeler Street



EXISTING

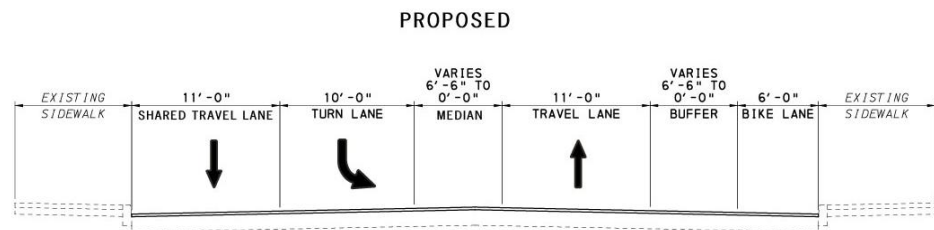
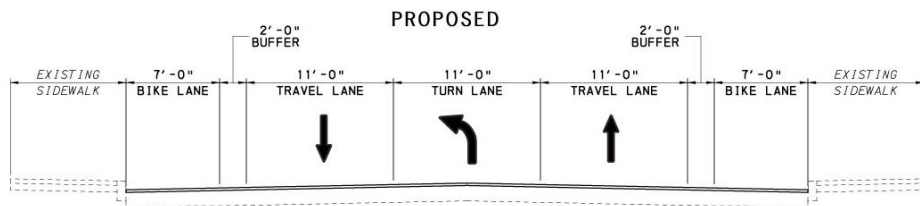


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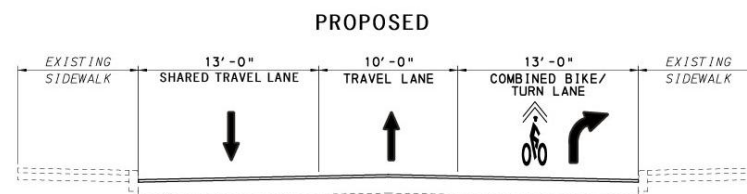
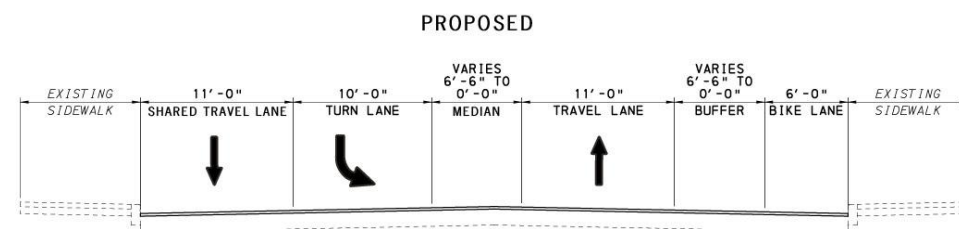
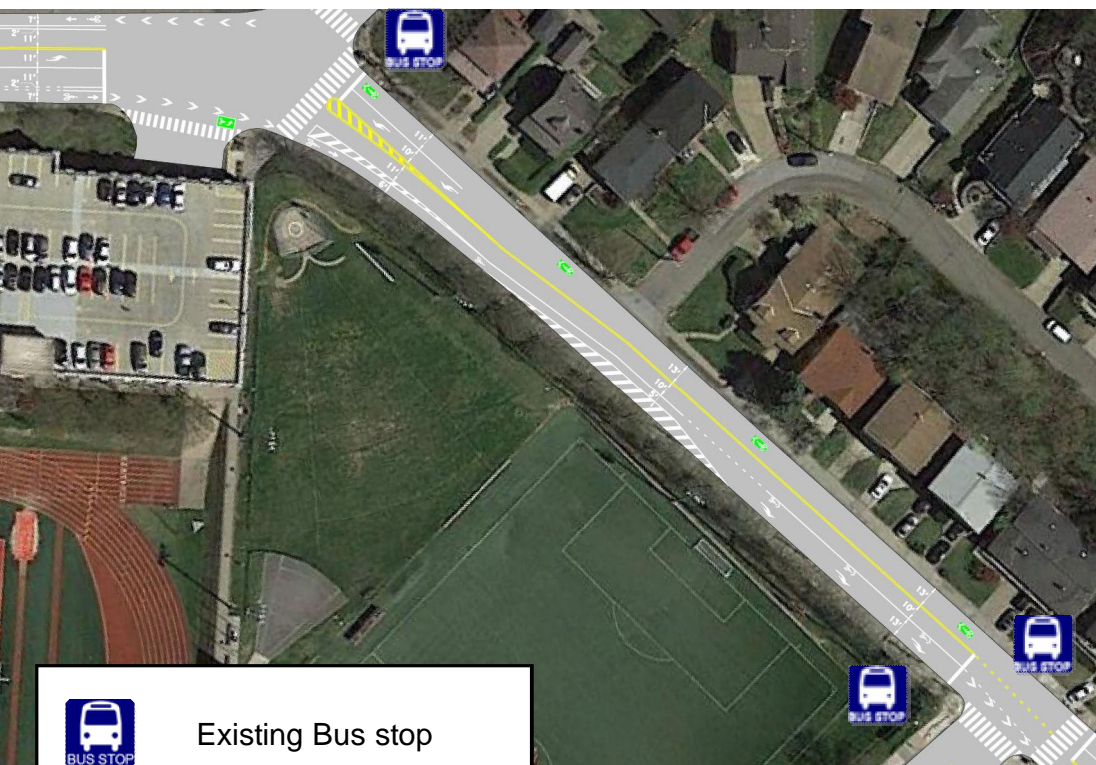
Proposed Intersection Configurations

Forbes Avenue at Beeler Street



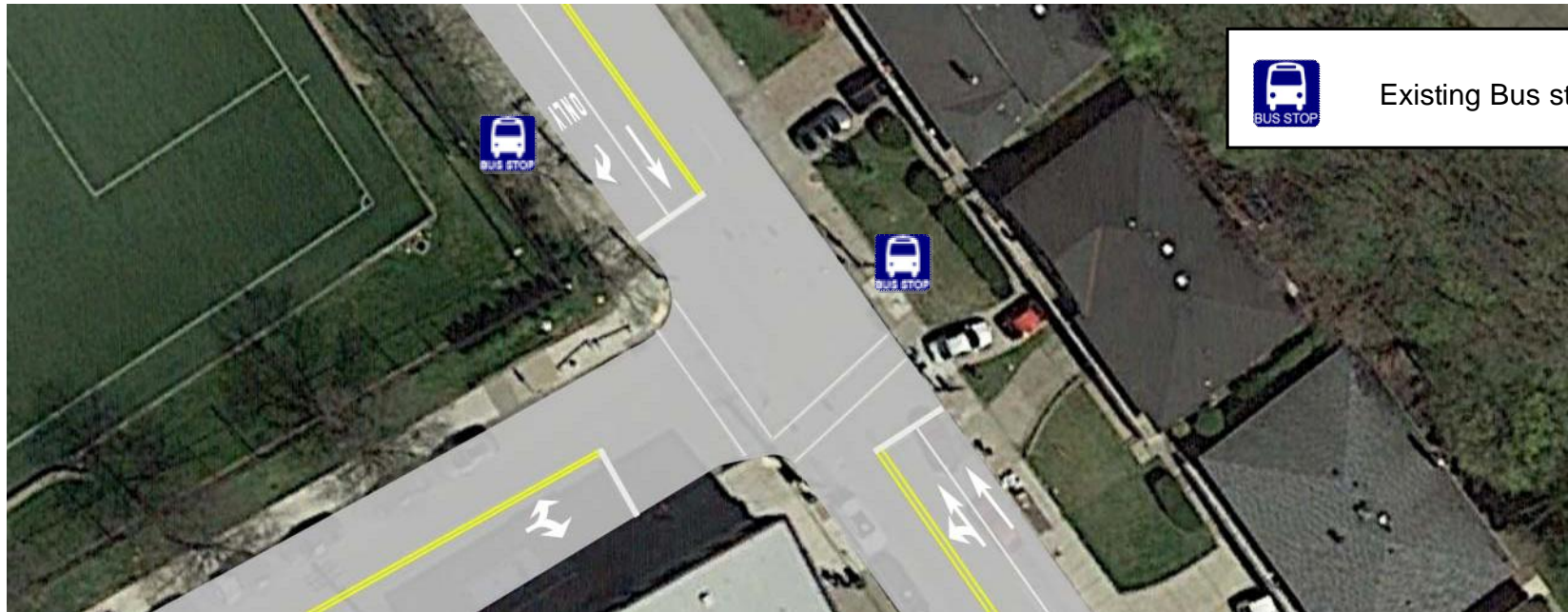
Proposed Roadway Configurations

Beeler Street to Margaret Morrison Street

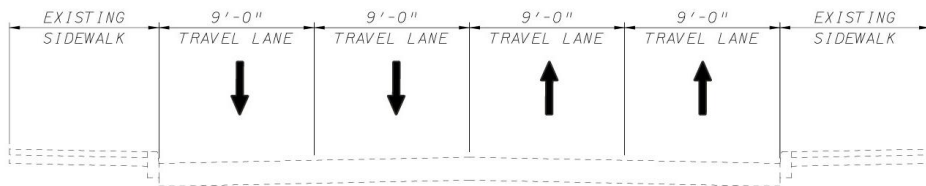


Existing Intersection Configurations

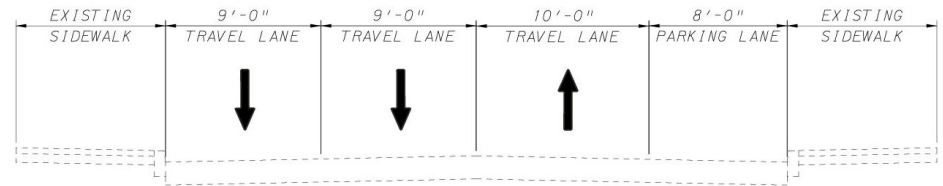
Forbes Avenue at Margaret Morrison Street



EXISTING

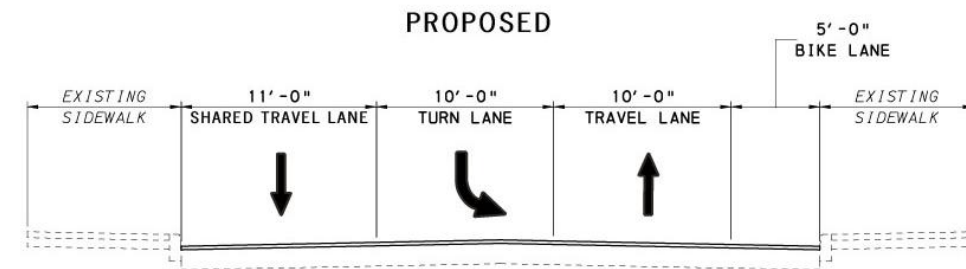
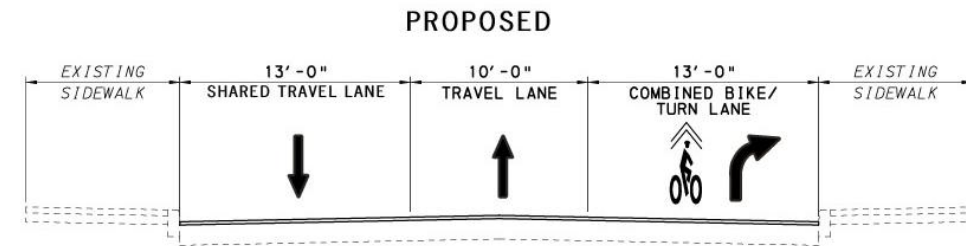


EXISTING



Proposed Intersection Configurations

Forbes Avenue at Margaret Morrison Street



Maintenance and Protection of Traffic

- Milling/Paving Operations
 - Combination of Daytime and Nighttime Work – currently evaluating work hours and type of work to be done
 - Potential Weekend Closures
 - Will not be along the entire corridor
 - Will be limited to a block-by-block approach
- Sidewalk and Signal Construction
 - Maintain Pedestrian Access at all times
 - ADA Accessible
- Contractor to hold a meeting prior to construction with the Universities, Hospitals, Emergency Providers, etc.
- An additional Public Meeting to be held with the Contractor at the start of construction.



Construction Schedule

- Open Bids – Late Fall 2017
- Notice to Proceed – Winter 2018
- Anticipated Completion – Late Fall 2018

Questions?

This presentation will be made available within 10 days on the OTMA website

<http://www.otma-pgh.org/>.