



Public Information Center

# Pedestrian Bridge over Route 440 Concept Development Study

City of Bayonne | Bayonne, NJ

August 2<sup>nd</sup>, 2023 | 6:00pm-8:00pm | Council Chambers, Bayonne Municipal Building



**TYLin**

# Agenda

1

Purpose of the Meeting

2

Design Process Overview

3

Existing Conditions

4

Purpose & Need and Project Goals

5

Staff Recommended Preliminary Preferred Alternative (PPA)

6

Community Outreach

7

Site Photos

# Purpose of the Meeting

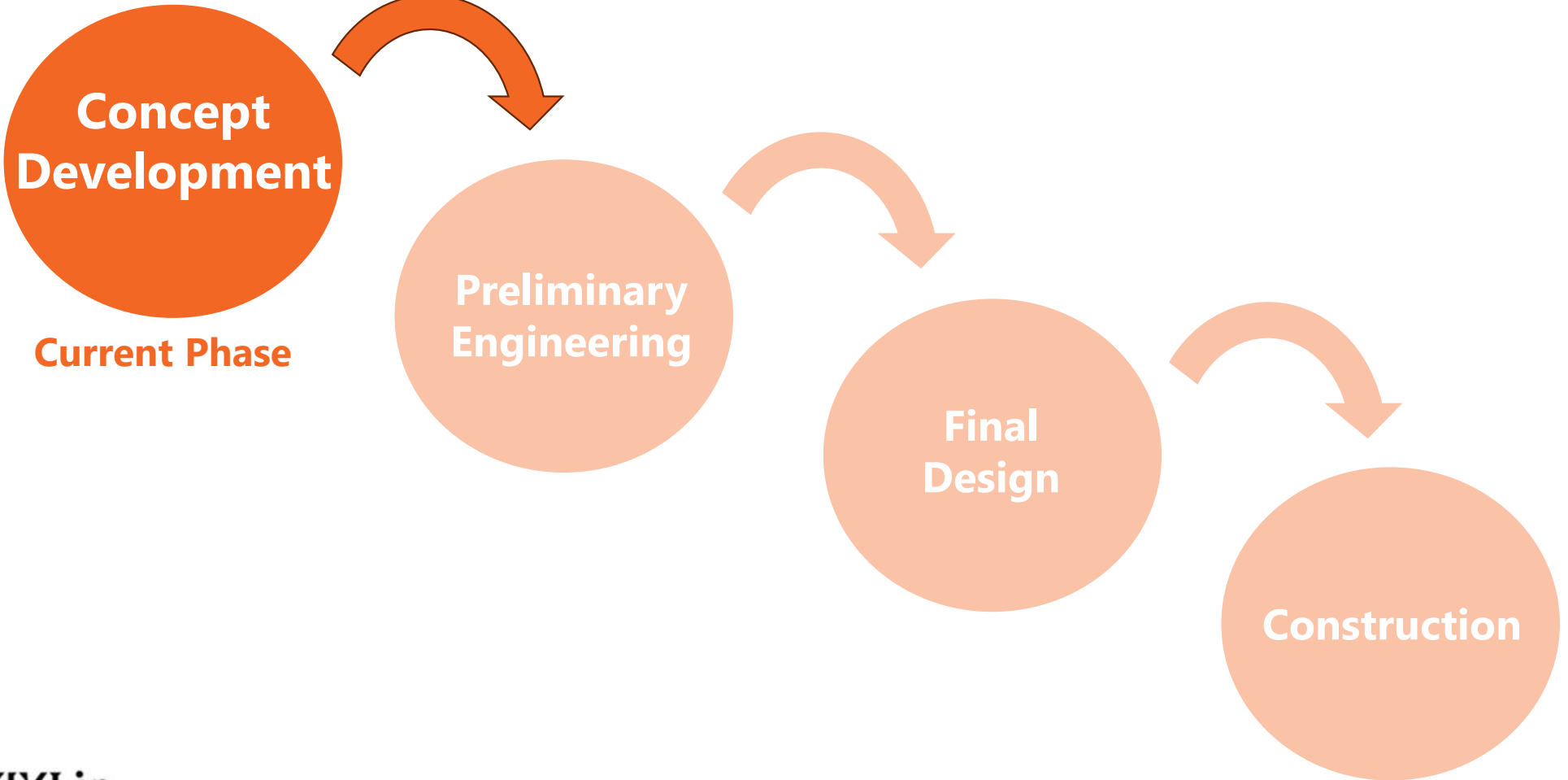
Present existing  
conditions

Present the  
project Purpose  
& Need and  
Project Goals

Present the  
staff  
recommended  
Preliminary  
Preferred  
Alternative  
(PPA)

Obtain  
feedback from  
the public on  
the PPA

# Design Process Overview



# Existing Conditions | Pedestrians and Vehicle Counts

**Route 440 and E. 32nd Street/Lefante Way**

| E. 32nd Street EB |                         |                |
|-------------------|-------------------------|----------------|
| Day               | Peak                    | Total Vehicles |
| Weekday           | AM Peak (8:30am-9:30am) | 487            |
|                   | PM Peak (5:30pm-6:30pm) | 658            |
| Weekend           | Peak (12:15pm-1:15pm)   | 688            |

| Rt. 440 SB |                         |                |
|------------|-------------------------|----------------|
| Day        | Peak                    | Total Vehicles |
| Weekday    | AM Peak (8:30am-9:30am) | 2795           |
|            | PM Peak (5:30pm-6:30pm) | 3185           |
| Weekend    | Peak (12:15pm-1:15pm)   | 3058           |

| Rt. 440 NB |                         |                |
|------------|-------------------------|----------------|
| Day        | Peak                    | Total Vehicles |
| Weekday    | AM Peak (8:30am-9:30am) | 2828           |
|            | PM Peak (5:30pm-6:30pm) | 3235           |
| Weekend    | Peak (12:15pm-1:15pm)   | 3035           |

| Lefante Way WB |                         |                |
|----------------|-------------------------|----------------|
| Day            | Peak                    | Total Vehicles |
| Weekday        | AM Peak (8:30am-9:30am) | 536            |
|                | PM Peak (5:30pm-6:30pm) | 904            |
| Weekend        | Peak (12:15pm-1:15pm)   | 959            |

| Bike/Ped at E. 32nd St./Lefante Way |                        |
|-------------------------------------|------------------------|
| Day                                 | Pedestrians/Bicyclists |
| Weekday                             | 380                    |
| Weekend                             | 144                    |

**Route 440 and Goldsborough Drive**

| Rt. 440 SB |                         |                |
|------------|-------------------------|----------------|
| Day        | Peak                    | Total Vehicles |
| Weekday    | AM Peak (8:00am-9:00am) | 2529           |
|            | PM Peak (5:30pm-6:30pm) | 3026           |
| Weekend    | Peak (12:00pm-1:00pm)   | 2934           |

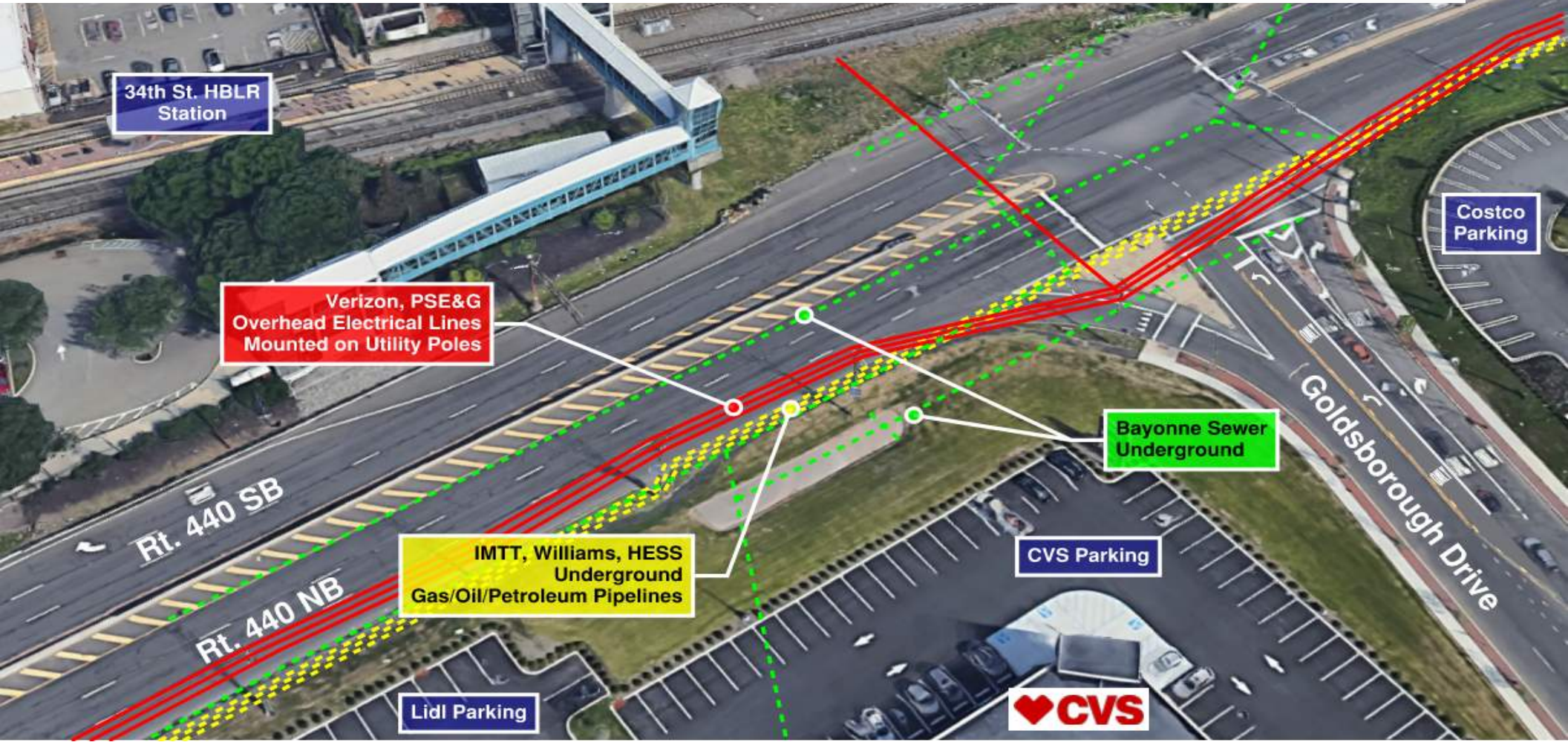
| Rt. 440 NB |                         |                |
|------------|-------------------------|----------------|
| Day        | Peak                    | Total Vehicles |
| Weekday    | AM Peak (8:00am-9:00am) | 2987           |
|            | PM Peak (5:30pm-6:30pm) | 3491           |
| Weekend    | Peak (12:00pm-1:00pm)   | 3406           |

| Bike/Ped at Goldsborough Dr. |                        |
|------------------------------|------------------------|
| Day                          | Pedestrians/Bicyclists |
| Weekday                      | 18                     |
| Weekend                      | 17                     |

| Goldsborough Drive WB |                         |                |
|-----------------------|-------------------------|----------------|
| Day                   | Peak                    | Total Vehicles |
| Weekday               | AM Peak (8:00am-9:00am) | 936            |
|                       | PM Peak (5:30pm-6:30pm) | 1389           |
| Weekend               | Peak (12:00pm-1:00pm)   | 1786           |



# Existing Conditions | Utilities



34th St. HBLR Station

Verizon, PSE&G Overhead Electrical Lines Mounted on Utility Poles

IMTT, Williams, HESS Underground Gas/Oil/Petroleum Pipelines

Bayonne Sewer Underground

Costco Parking

CVS Parking



Lidl Parking

Rt. 440 SB

Rt. 440 NB

Goldsborough Drive



# Existing Conditions | Property Ownership



34th St. HBLR Station

Owned by NJ Transit Corp.

Route 440 under NJDOT Jurisdiction

Costco Parking

Goldsborough Drive under The City of Bayonne Jurisdiction

Owned by The City of Bayonne

CVS Parking

Lidl Parking

Rt. 440 SB

Rt. 440 NB

Goldsborough Drive

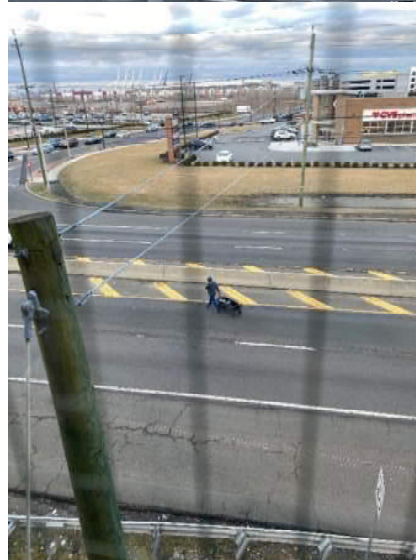






# Existing Conditions | Existing Deficiencies and Issues

- ▶ No safe pedestrian crossing of Rt. 440 connecting 34<sup>th</sup> St. light rail station and Peninsula at Bayonne Harbor
- ▶ Pedestrians cross Rt. 440 at Goldsborough Dr. or by hopping over median barrier
- ▶ Substandard guide rail along Rt. 440 southbound



# Purpose & Need and Project Goals

## Project Purpose

- ▶ The purpose of this project is to construct a pedestrian bridge connecting pedestrians and bicyclists from the east side of Route 440 just south of Goldsborough Drive to the west side of Route 440 at the 34<sup>th</sup> Street light rail station

## Project Need

- ▶ Pedestrian and Bicycle
  - No safe pedestrian crossing in the project vicinity. Closest is at grade ~0.25 miles south
  - Increased need for residents west of Route 440 to access destinations around PABH
  - Increased need for residents of PABH to access 34th Street light rail station

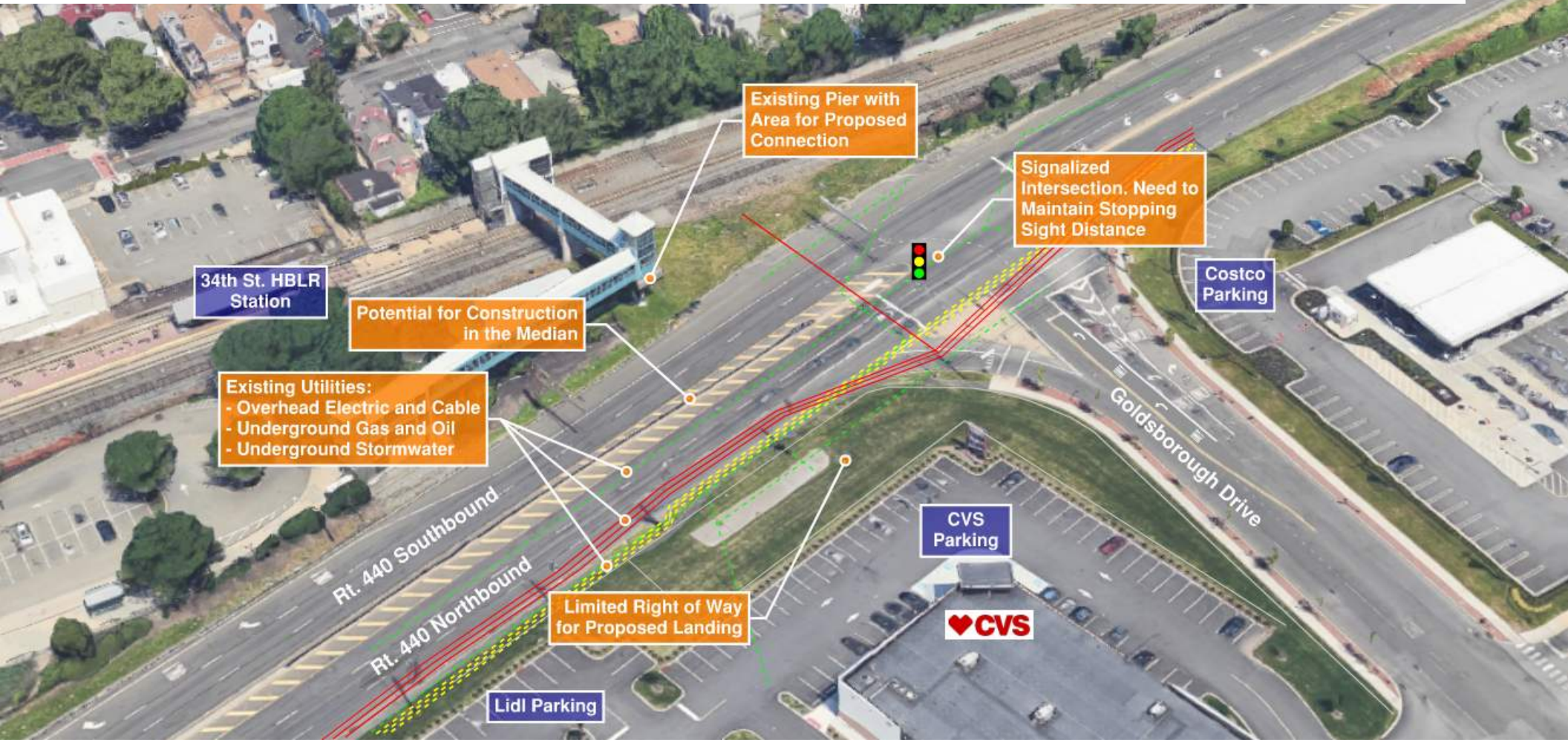


# Purpose & Need and Project Goals

## Project Goals

- ▶ Safe and efficient pedestrian crossing of Rt. 440 in vicinity of Goldsborough Dr.
- ▶ Keep the public and stakeholders informed through all phases
- ▶ Encourage the public use of the new pedestrian crossing
- ▶ Minimize impacts to Rt. 440, stakeholders, and utilities
- ▶ Maintain a 17'-0" minimum underclearance to bridge and the required sight distance to traffic signal
- ▶ Minimize impacts to traffic on Rt. 440 and Goldsborough Dr. during construction

# Staff Recommended PPA | Design Constraints

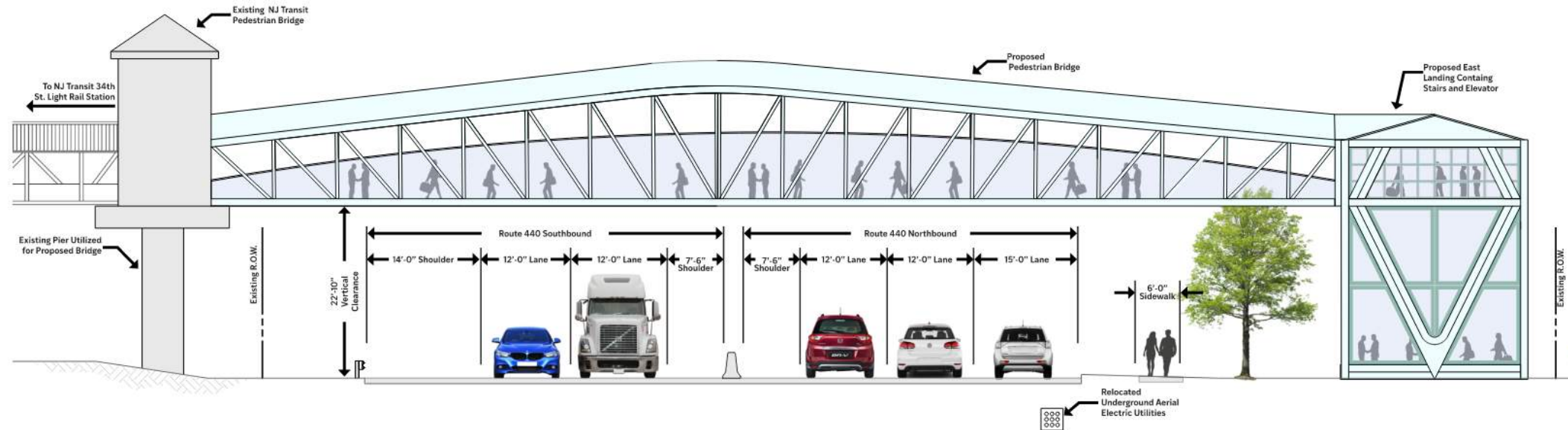




# Staff Recommended PPA

## BRIDGE FEATURES

- ▶ Single span, covered, pre-fabricated steel truss bridge
- ▶ Fully enclosed stairs and elevator building at east landing
- ▶ Sidewalk at east landing connects to sidewalk on Goldsborough Dr. and at Port Terminal Blvd.
- ▶ Proposed bridge connects directly to existing light rail station bridge
- ▶ Chain-link fencing provided on bridge over roadway
- ▶ 12'-0" wide internal bridge opening provides safe accommodation for bicyclists and pedestrians



# Staff Recommended PPA

## BENEFITS

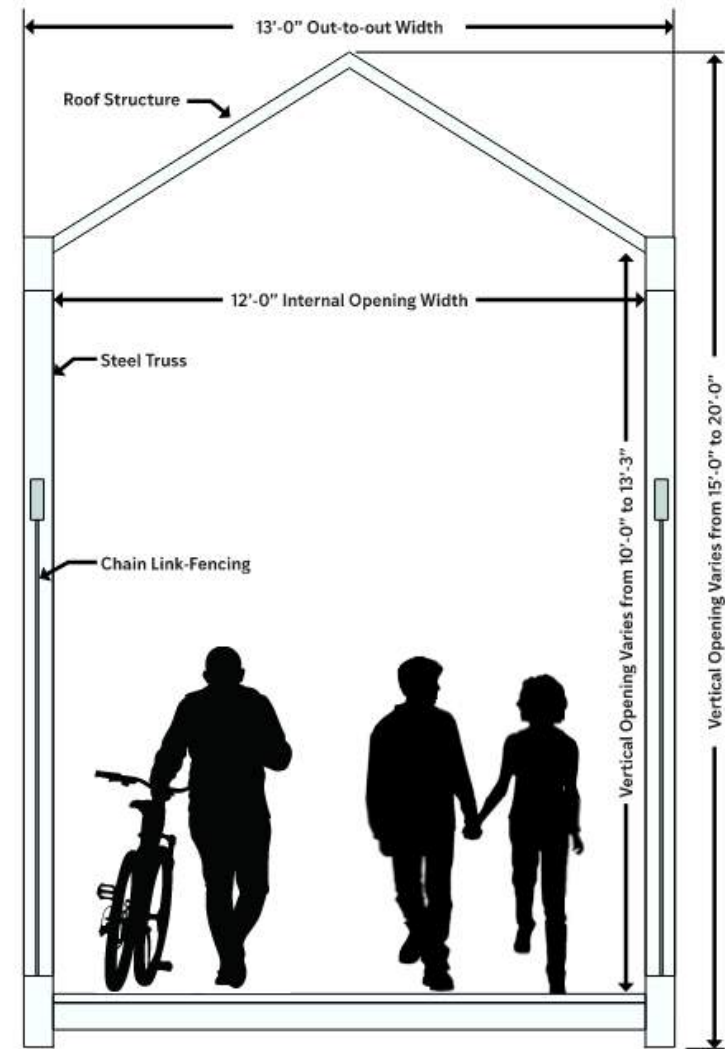
- ▶ Above-ground pedestrian bridge provides safest method for crossing Rt. 440
- ▶ Connection to existing pedestrian bridge provides direct access to and from the 34<sup>th</sup> St. light rail
- ▶ Stair and elevator system provides compliance with the Americans with Disabilities Act (ADA)
- ▶ Future traffic at the Rt. 440 and Goldsborough Dr. intersection will not be impacted.

## CONSTRUCTABILITY

- ▶ Stage 1: Relocate aerial electric utilities underground, lower aerial telephone and cable utilities, construct east landing containing stairs and elevator
- ▶ Stage 2: Lift pre-fabricated bridge into place utilizing a one-night, weekend closure of Rt. 440
- ▶ Three lanes of Rt. 440 northbound will be shifted slightly towards the median to accommodate construction. All lanes of traffic will be maintained
- ▶ Closure of Port Terminal Blvd. ramp to Rt. 440 NB required. Detour to be implemented

## UTILITIES

- ▶ Aerial electric utility lines will be re-located underground
- ▶ Aerial telecommunications utility lines will be lowered slightly to accommodate proposed bridge
- ▶ Underground oil/gas/petroleum pipelines will not be impacted by proposed bridge



▶ PROPOSED BRIDGE | SECTION VIEW



# Staff Recommended PPA



▶ Rendering of Preliminary Preferred Alternative | Looking Southwest

▶ Scan the QR Code Above for a Virtual 3D View

# Staff Recommended PPA



▶ Rendering of Preliminary Preferred Alternative from CVS Parking Lot | Looking West

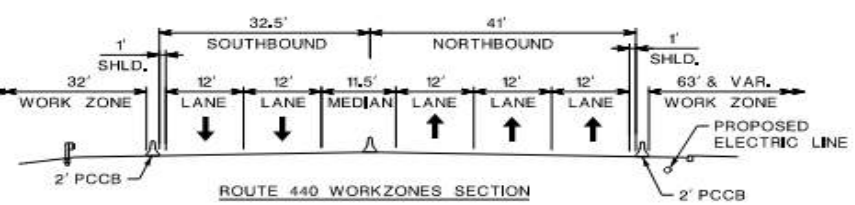
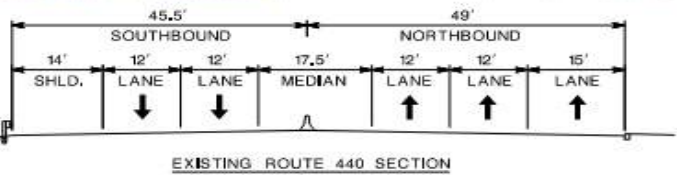
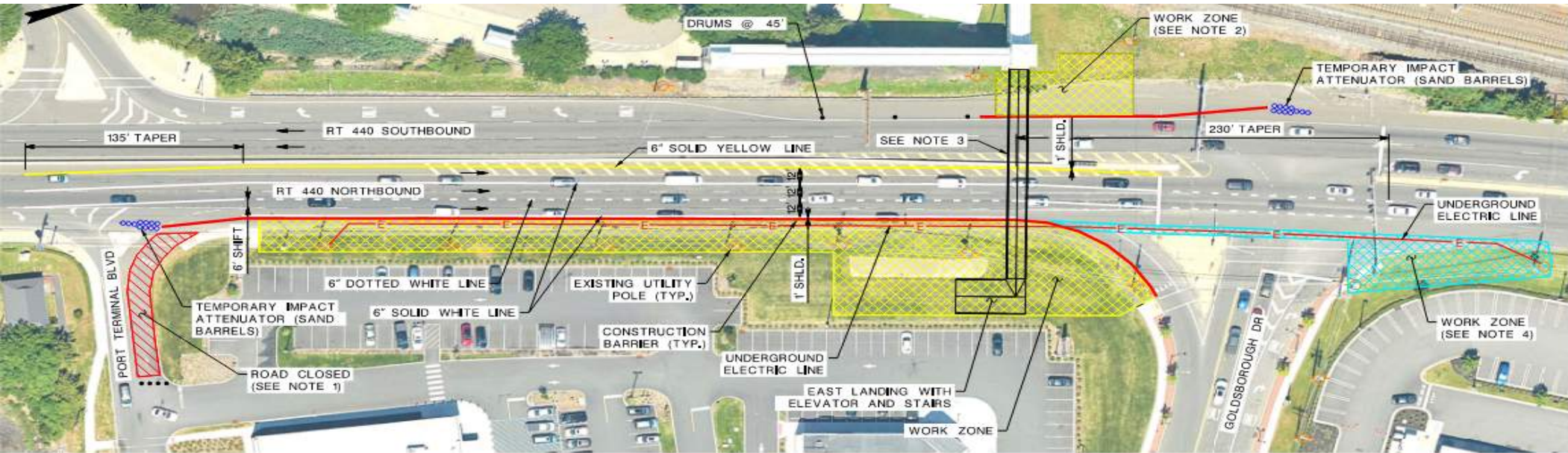


# Staff Recommended PPA



▶ Rendering of Preliminary Preferred Alternative from Rt. 440 Northbound | Looking North

# Staff Recommended PPA | Construction Sequence & MPT



**NOTES:**

1. SEE DETOUR ON SHEET 2.
2. WORKZONE PROVIDED FOR PREPARATION WORK ON EXISTING BRIDGE PIER.
3. STRUCTURE TO BE INSTALLED WITH AN OVERNIGHT CLOSURE ON ROUTE 440 WITH DETOUR.
4. WORK WITHIN THIS AREA TO BE DONE IN PRE-STAGE 1. ACCESS TO GOLDSBOROUGH DR WILL BE MAINTAINED AT ALL TIMES.
5. MAINTENANCE AND PROTECTION OF TRAFFIC SCHEME SHOWN ON THIS PLAN SHALL REMAIN IN PLACE FOR STAGES 1 & 2.

**CONSTRUCTION SEQUENCE:**

1. RELOCATE UTILITIES.
2. CONSTRUCT EAST PIER, STAIRS, ELEVATOR SYSTEM, AND SIDEWALK.
3. INSTALL BRIDGE STRUCTURE.

|                                |
|--------------------------------|
| BAYONNE PEDESTRIAN BRIDGE      |
| CONCEPT DEVELOPMENT            |
| ALTERNATIVE 2                  |
| SINGLE SPAN STEEL TRUSS BRIDGE |
| TYLin                          |



# Community Outreach

## Community Profile

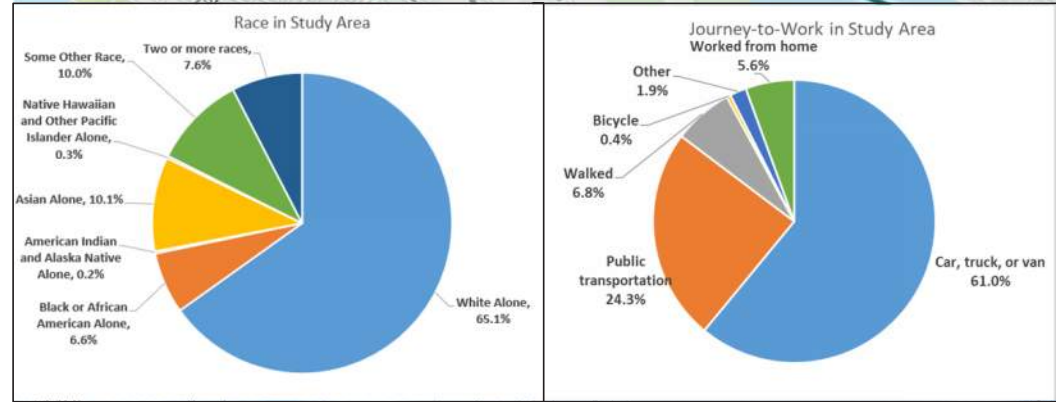
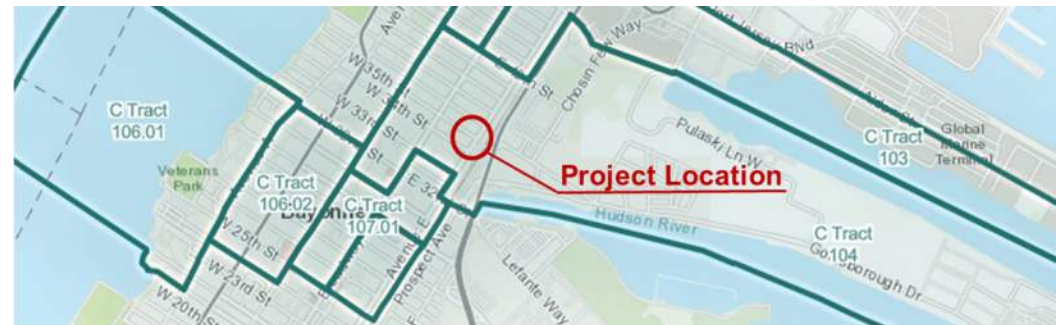
- ▶ Prepared in October based on 2020 Census data from the Census Bureau's website
- ▶ Determined that multi-lingual outreach is required

## Public Involvement Action Plan

- ▶ Meetings
  - Stakeholder meeting #1
  - Stakeholder meeting #2
  - City Council presentation
  - Public Information Center

## Project Website

- ▶ <https://34thstbayonnepedestrianbridge.com>
  - Overview of the project
  - Project delivery process
  - Frequently asked questions
  - Links to documents and resources
  - Comment submission email





# Site Photos



▶ Existing NJ Transit Pedestrian Facility from Goldsborough Dr. Intersection | Looking Southwest

# Site Photos



▶ Existing NJ Transit Pedestrian Facility from CVS Parking Lot | Looking West



# Site Photos



▶ Existing Pier at Tie-in Point | Looking South



▶ Existing Pier at Tie-in Point | Looking West



# Site Photos



▶ Aerial View of Proposed East Landing Area From Existing NJ Transit Pedestrian Facility | Looking East

# Site Photos



▶ Goldsborough Dr. and ChosinFew Way Intersection | Looking Southwest



# Site Photos



▶ Light Rail and Freight Railroad Tracks & Rt. 440/Goldsborough Dr. Intersection | Looking North



# Site Photos



▶ Proposed East Landing Area and Existing Utilities Along Rt. 440 Northbound | Looking North



# Site Photos



▶ Rt. 440 Northbound, Existing Asphalt Sidewalk, and Existing Utilities | Looking North

**TYLin**