

# Bayfront Parkway Central Corridor Improvements

Public Meeting – August 7, 2019



**pennsylvania**

DEPARTMENT OF TRANSPORTATION



**ms consultants, inc.**  
engineers, architects, planners

# Design Team

## PA Department of Transportation

- Jim Foringer, District Executive
- Brian McNulty, Assistant District Executive – Design
- Mark Nicholson, Project Manager
- Autumn Kelley, District Environmental Manager
- Brian Smith, District Traffic Engineer
- Jill Harry, District Press Officer
- Josh Kaufer, Safety Press Officer
- Jennie Granger, Deputy Secretary for Multimodal Transportation

## ms consultants, inc.

- Sean Sawford, Project Manager
- Jim O'Mara, Project Engineer

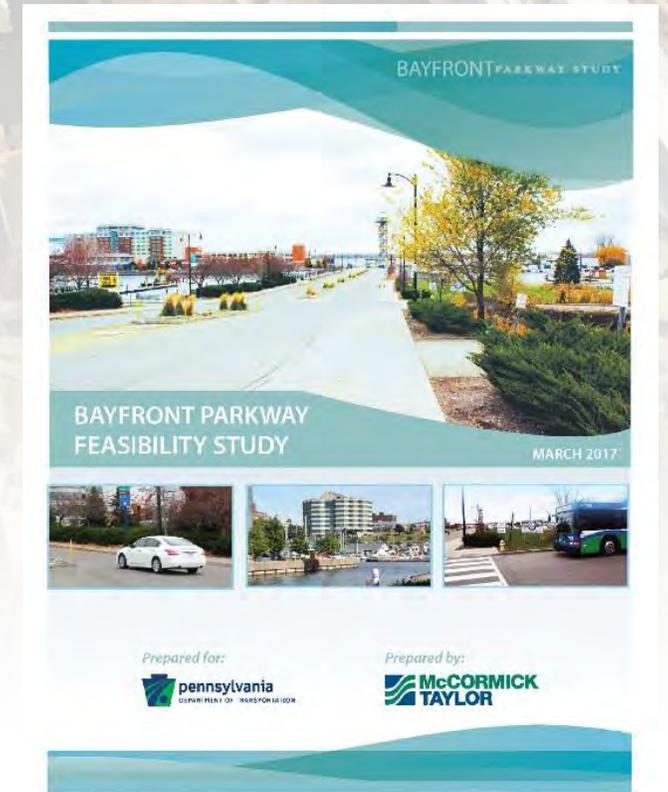
## Moore Design Associates, Inc.

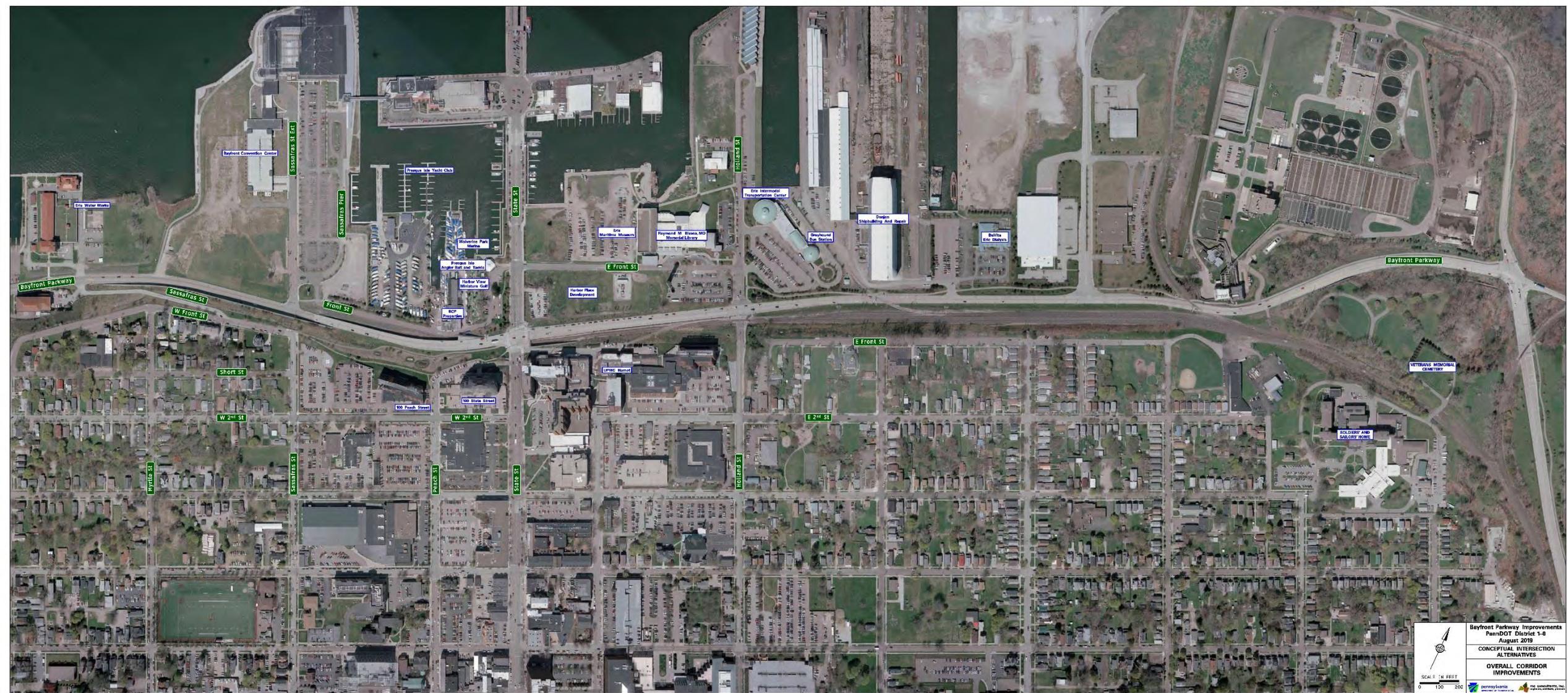
- Sara Moore, Landscape Architect



# Bayfront Parkway Feasibility Study

- Started in 2015 – Completed in 2017
- Established Project Advisory Committee (PAC)
- Evaluated Current Functionality of Corridor
- Defined Transportation Needs of the Entire Corridor
- Developed Conceptual Improvements
- [www.BayfrontParkwayStudy.com](http://www.BayfrontParkwayStudy.com)






 Bayfront Parkway Improvements  
 PennDOT District 1-8  
 August 2019  
 CONCEPTUAL INTERSECTION  
 ALTERNATIVES  
 OVERALL CORRIDOR  
 IMPROVEMENTS

SCALE: 1" = 100 FEET  
 0 100 200



# Ancillary Projects

- 12<sup>th</sup> Street Signal Improvements
- ITS Signing at I-79
- East Side Safety Improvements



# Working Meetings

- Anchor Marine Ltd.
- Bayfront East Side Taskforce (BEST)
- Bayfront Maritime Center
- Bayshore Marine Services
- BCP Properties
- Bike Erie
- City of Erie – Bureau of Engineering
- City of Erie – Planning
- City of Erie – ADA Coordinator
- City of Erie – Mayor
- CSX Transportation
- EDP & Erie Arts and Culture
- EDP & Isaac Baker Menswear
- EDP & Sherlock's/Park Place
- EDP & UPMC Hamot
- EDP & Urban Engineers
- Erie City Council
- Erie Community Foundation
- Erie County – Planning
- Erie Downtown Development Corporation (EDDC)
- Erie Downtown Partnership (EDP)
- Erie Events
- Erie Metropolitan Transit Authority
- Erie MPO
- Erie School District
- Erie-Western PA Port Authority
- Gannon University
- Harbor View Miniature Golf
- Lakeshore Towing / Wolverine Park Marina
- MacDonald Illig Attorneys
- Our West Bayfront (OWB)
- PA Department of Community and Economic Development (DCED)
- PA Rehab Council
- Passport Reality, LLC
- Presque Isle Yacht Club
- Sidehill Copper Works, Inc.
- UPMC Hamot
- UPMC Hamot Emergency Services
- UPMC Hamot Police
- UPMC Hamot Trauma
- WMF / Scott Enterprises



# Common Themes

Reduce  
Congestion

Full Access at  
State Street

Enhance Safety

Remove the  
Bayfront "Barrier"

Improve Multi-Modal Access  
(Bikes/Peds/Transit)

Smart Land Use  
(Minimize R/W Impacts)

12<sup>th</sup> Street  
Improvements



# Current Status

- Final Stages of Alternatives Analysis
- Cultural Resource Investigations On-Going
- CSX Coordination On-Going
- Funding Opportunities
- Public Meetings Conducted in Dec 2018



# Public Meetings

Two (2) Open House Public Plans Displays Conducted:

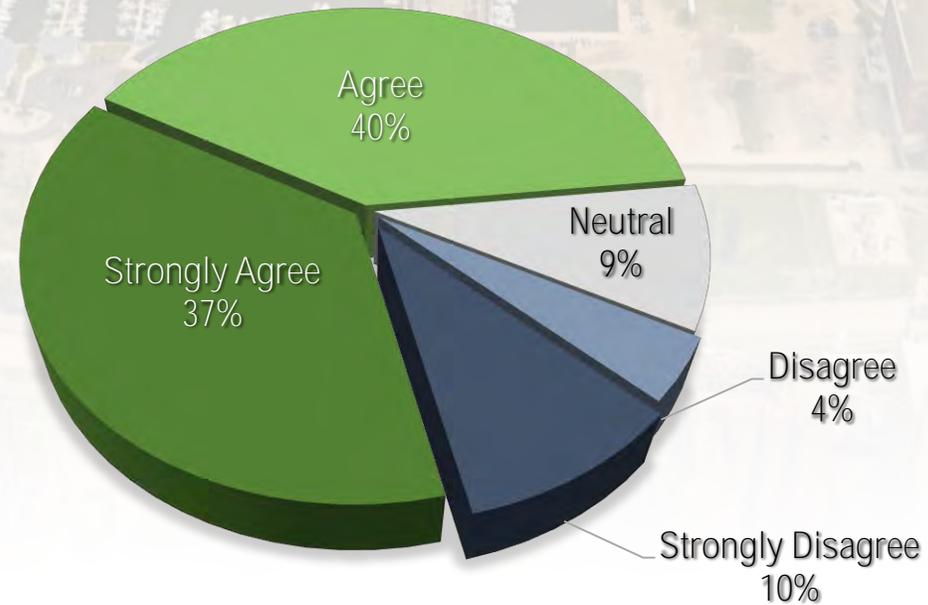
**Date:** December 4, 2018  
**Time:** Noon to 8pm  
**Location:** Emerson Gridley School Gymnasium

**Date:** December 11, 2018  
**Time:** Noon to 8pm  
**Location:** Russian Orthodox Church of the Nativity  
Community Center



# Public Meeting Feedback

## Purpose and Need



***Do you generally agree with the identified Purpose and Need?***

# Refined Project Purpose and Need

## Purpose:

*The purpose of the project is to improve the pedestrian, bicycle, transit, and passenger vehicle connection of the Erie Central Business District and adjacent neighborhoods to the waterfront property north of the Bayfront Parkway, to reduce crashes as much as practical on the Bayfront Parkway, to improve future congestion to an acceptable level of service or delay, and to improve traffic operations and efficiency.*



# Refined Project Purpose and Need

## Needs:

### Mobility

- Multimodal transportation connections are lacking
- Inconsistent pedestrian and bicycle connections
- Limited existing transit service
- Bayfront Parkway acts as a barrier

### Safety

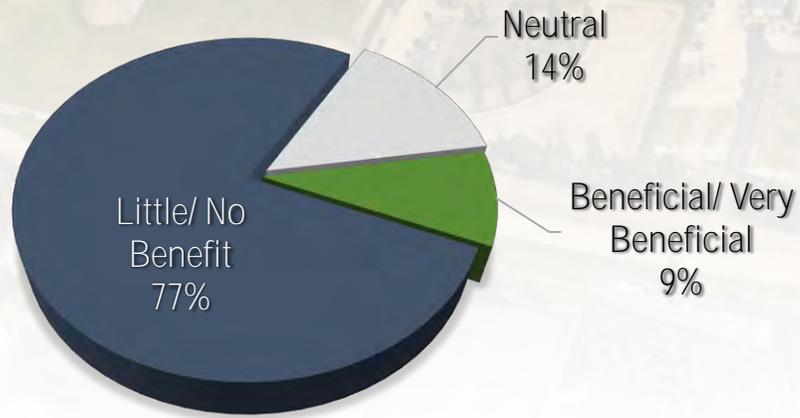
- 80 crashes within 5-year period

### Operations & Efficiency

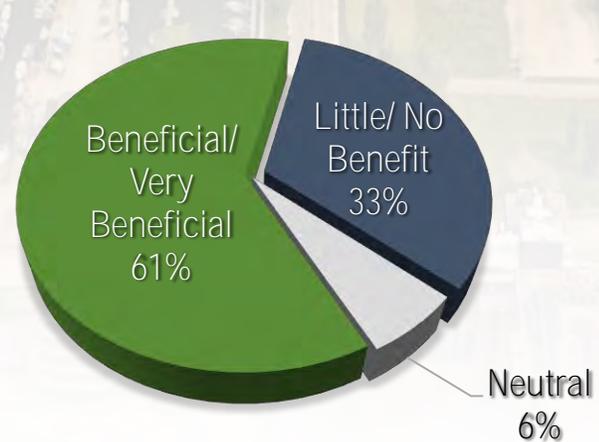
- Poor existing and future Levels-of-Service (LOS)
- Limited gaps for left turning vehicles

# Public Meeting Feedback

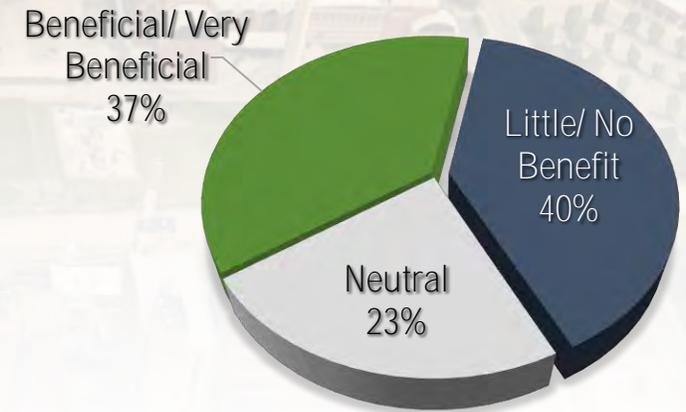
## Sassafras Street Ext Alternatives



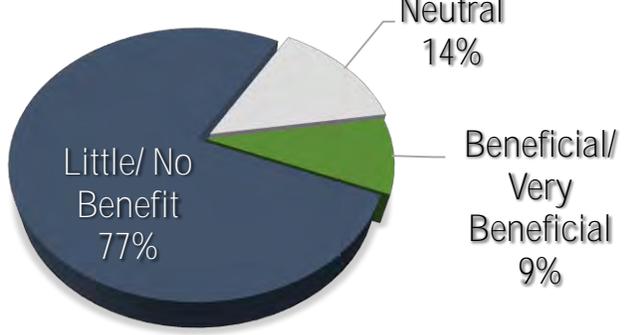
No Build



Roundabout



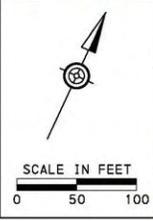
Traffic Signal



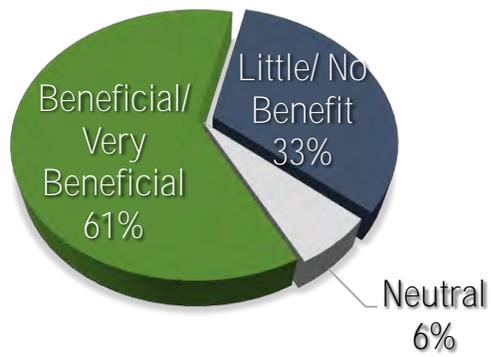
No Build



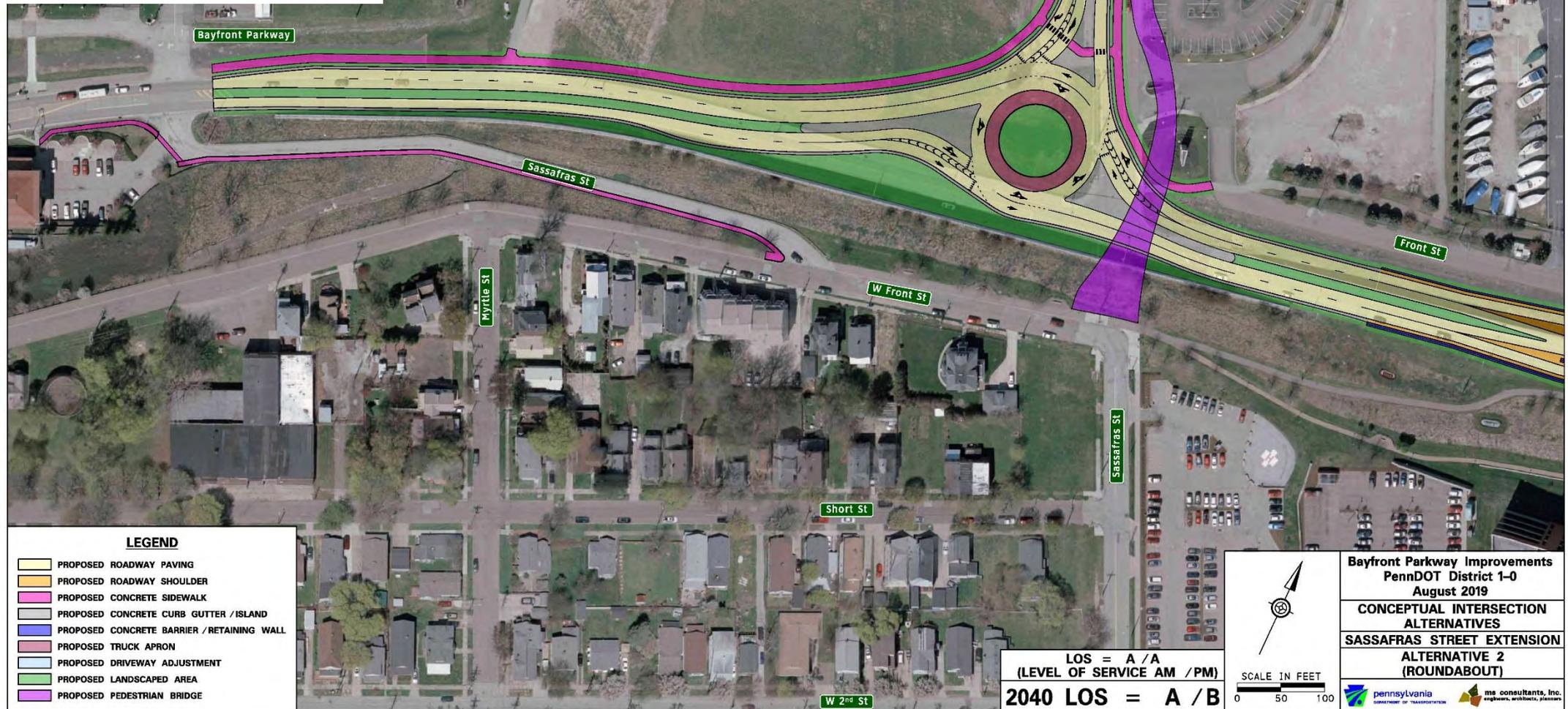
LOS = A / A  
(LEVEL OF SERVICE AM / PM)  
2040 LOS = C / F

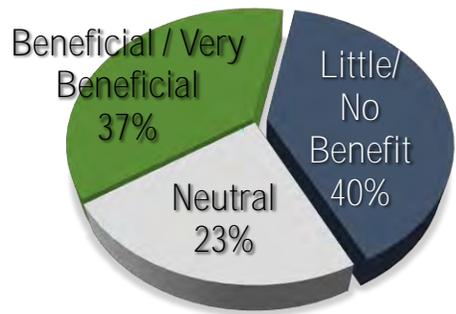


**Bayfront Parkway Improvements**  
PennDOT District 1-0  
August 2019  
**CONCEPTUAL INTERSECTION**  
**ALTERNATIVES**  
**SASSAFRAS STREET EXTENSION**  
**ALTERNATIVE 1**  
**(NO BUILD)**

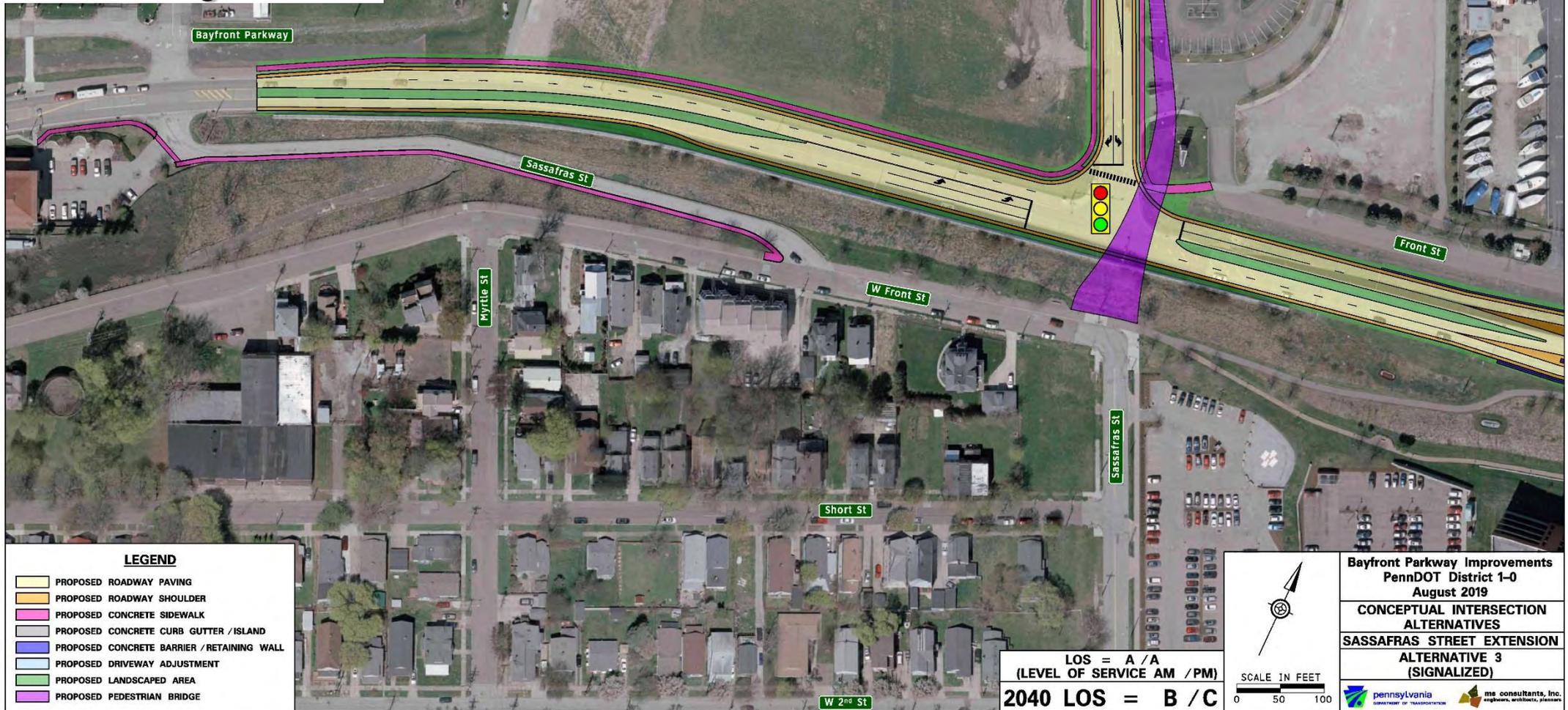


# Roundabout



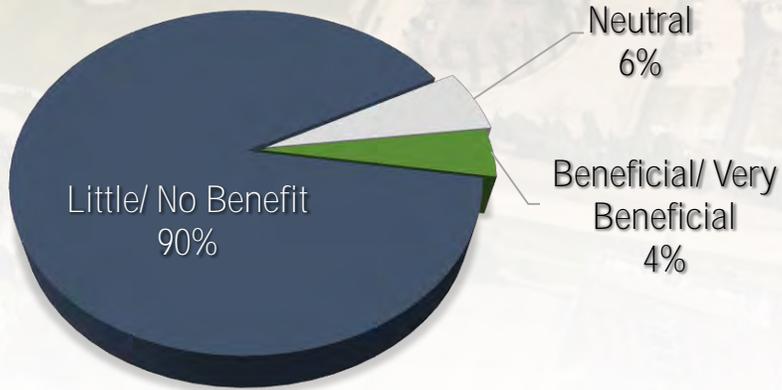


# Traffic Signal

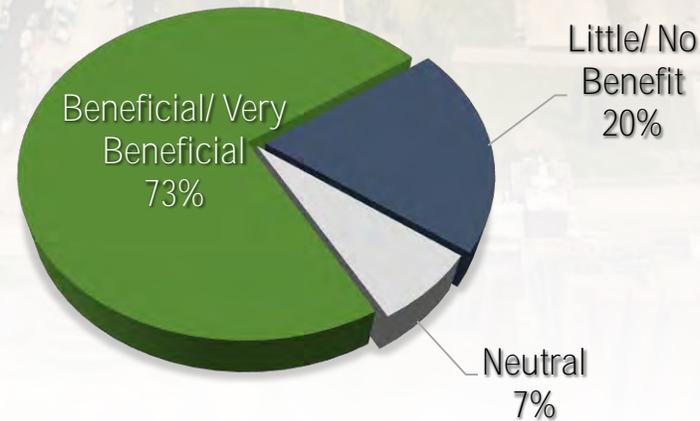


# Public Meeting Feedback

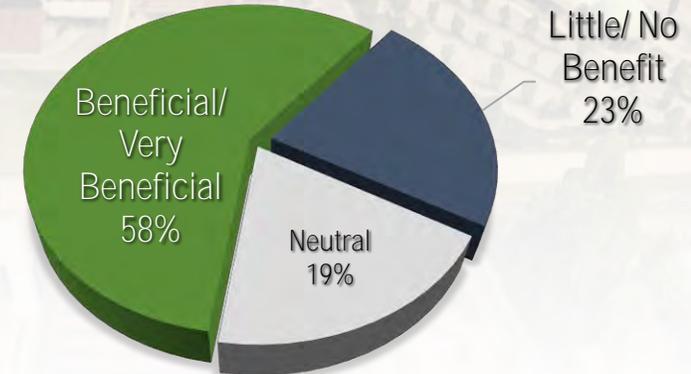
## State Street Alternatives



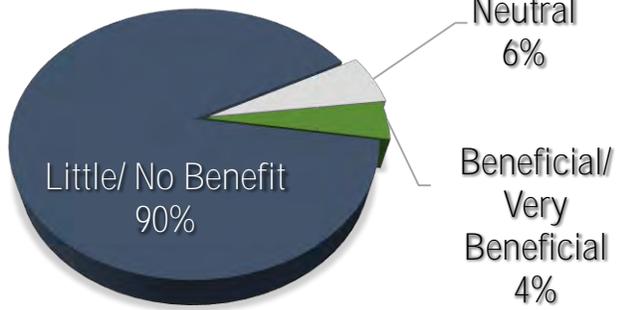
No Build



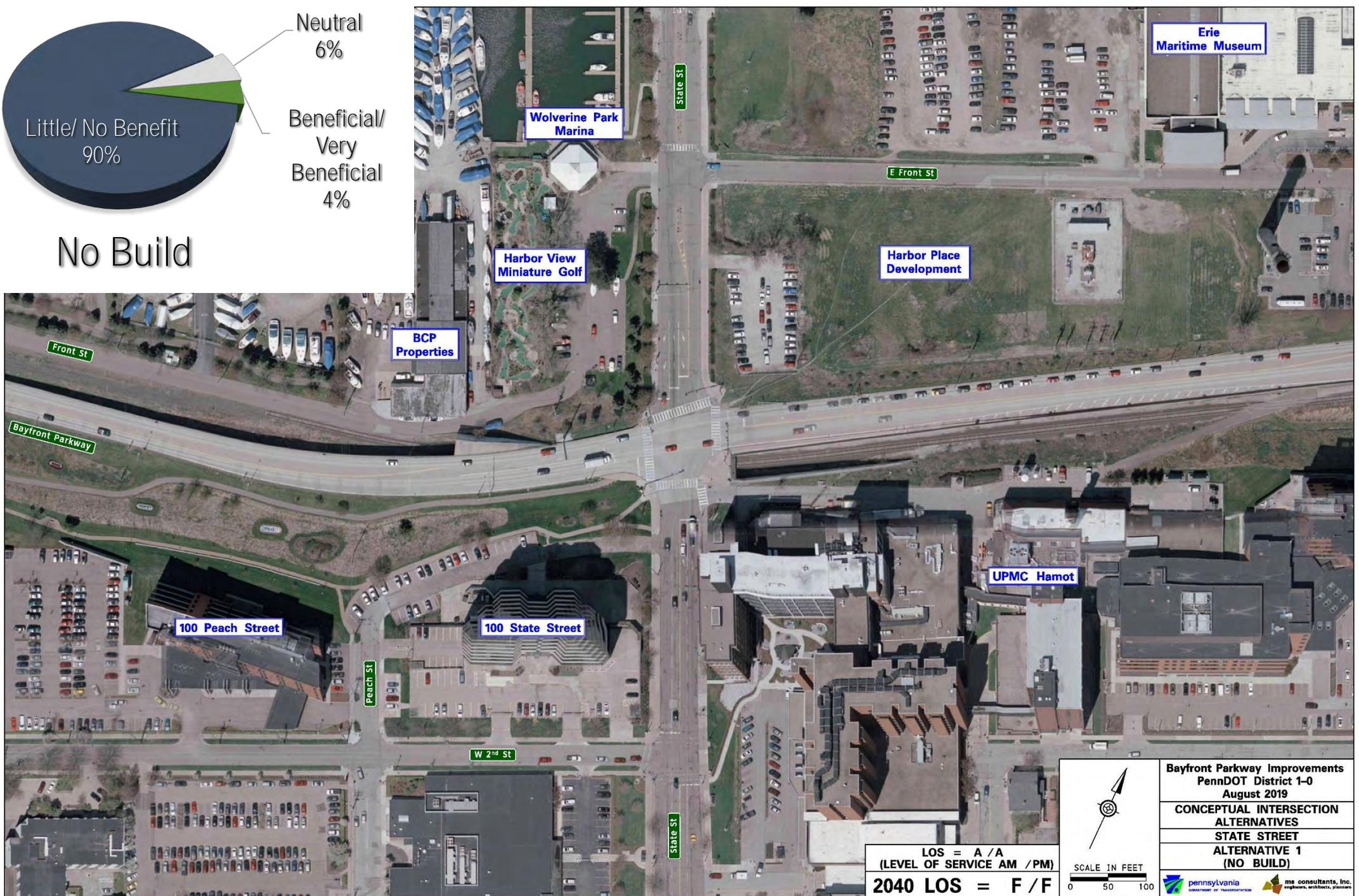
Roundabout



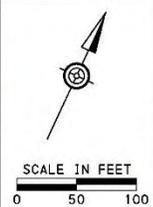
Traffic Signal



No Build



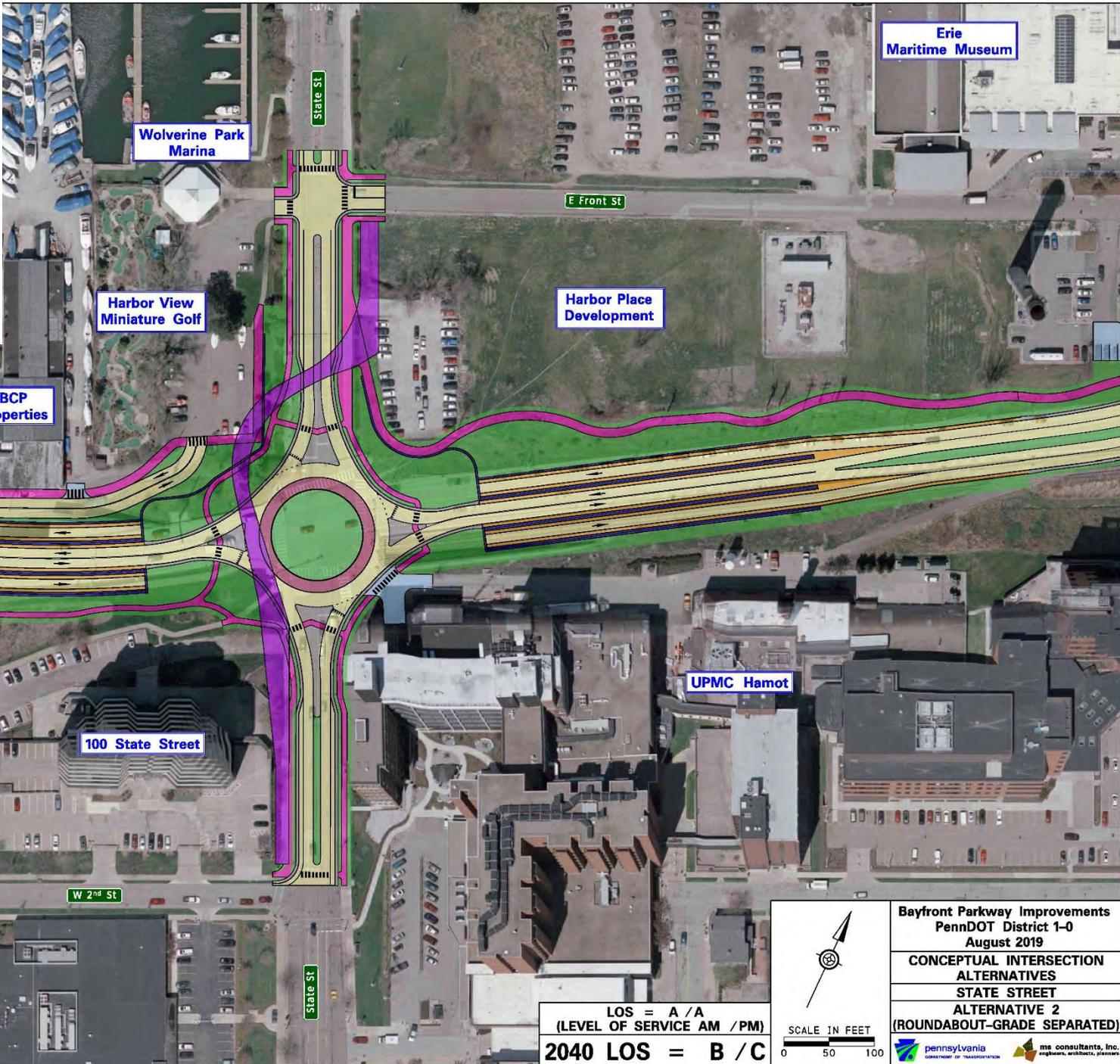
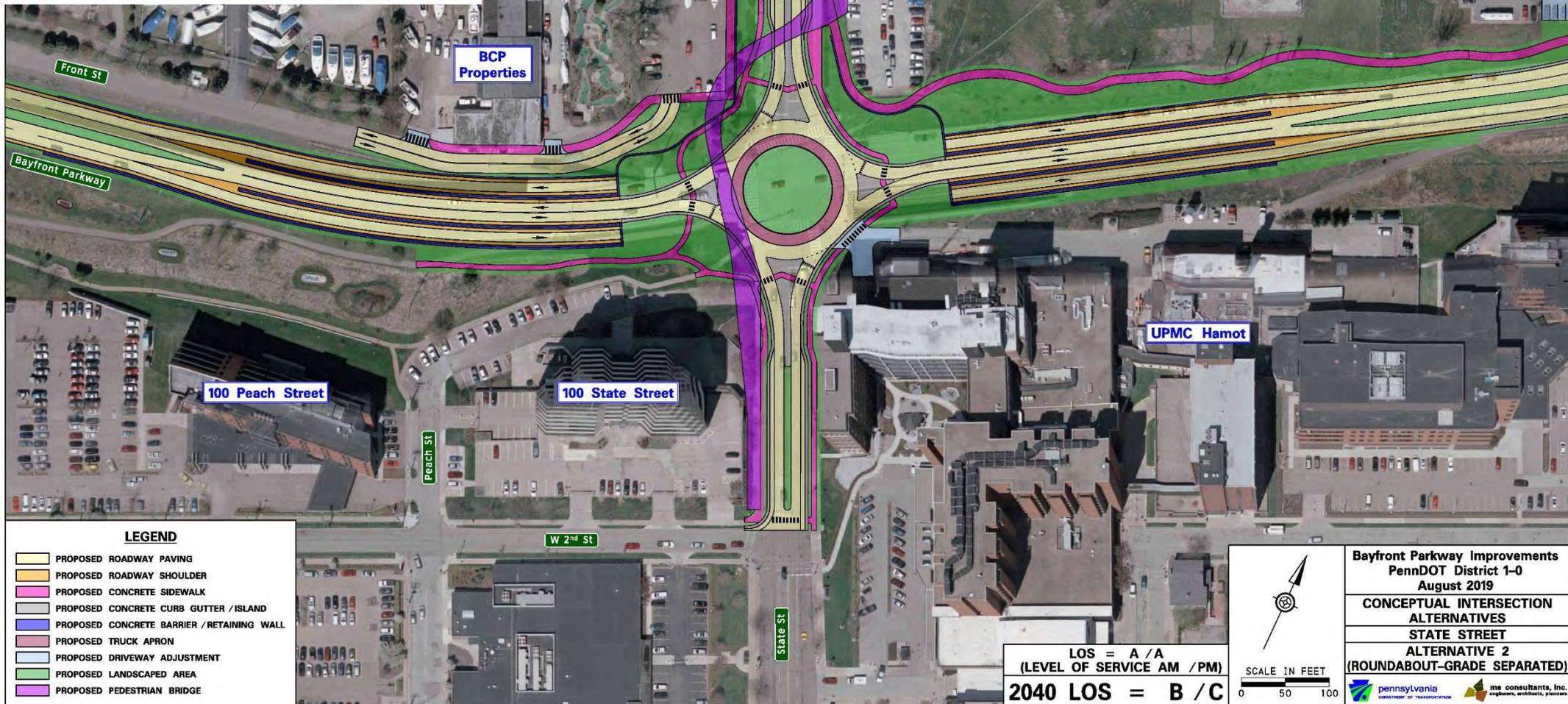
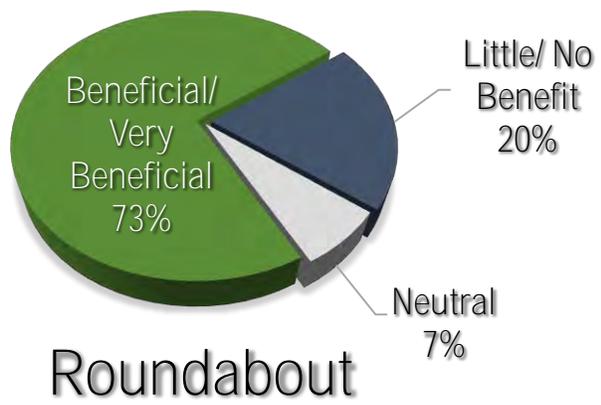
LOS = A / A  
(LEVEL OF SERVICE AM / PM)  
2040 LOS = F / F

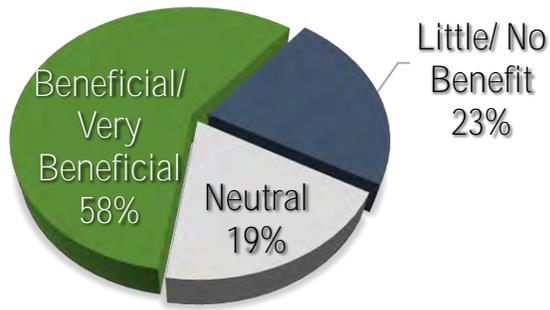


**Bayfront Parkway Improvements**  
PennDOT District 1-0  
August 2019  
**CONCEPTUAL INTERSECTION**  
**ALTERNATIVES**  
**STATE STREET**  
**ALTERNATIVE 1**  
**(NO BUILD)**

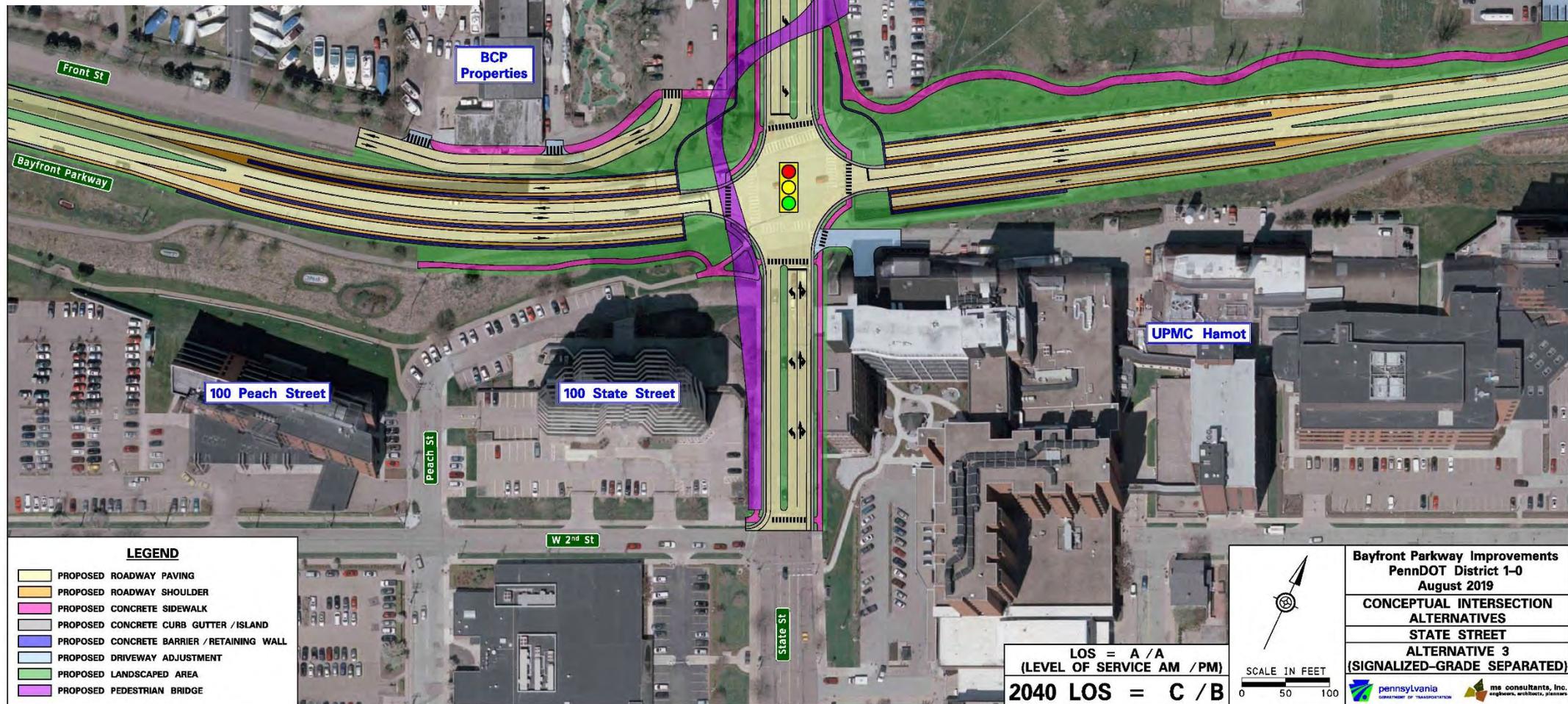
pennsylvania  
DEPARTMENT OF TRANSPORTATION

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engineers, architects, planners



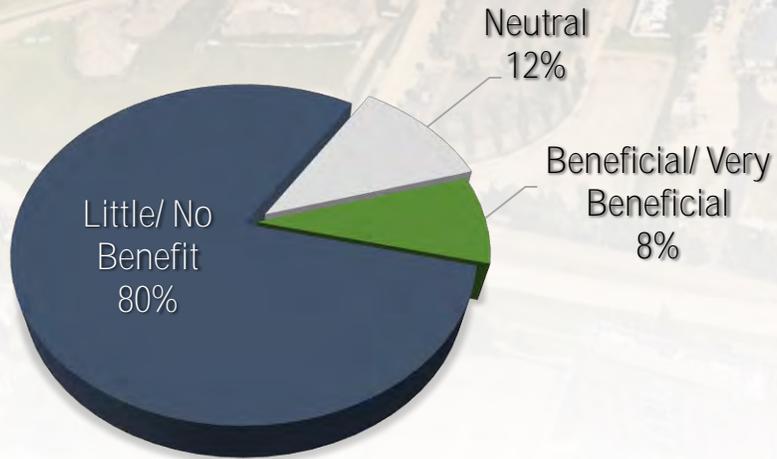


## Traffic Signal

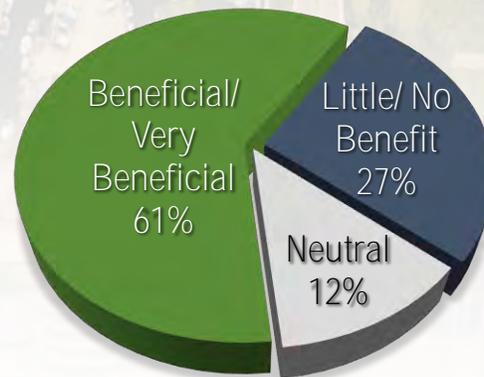


# Public Meeting Feedback

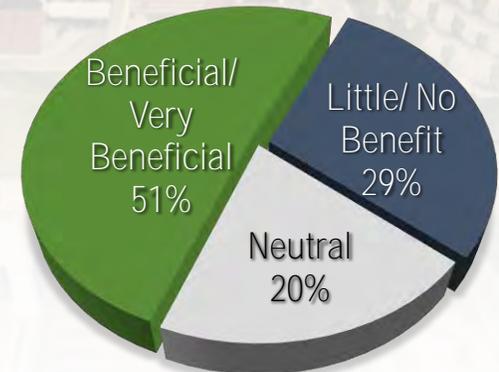
## Holland Street Alternatives



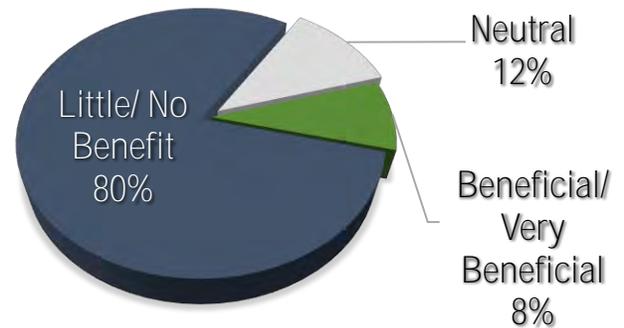
No Build



Roundabout

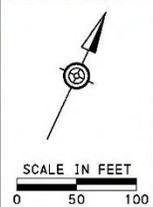


Traffic Signal



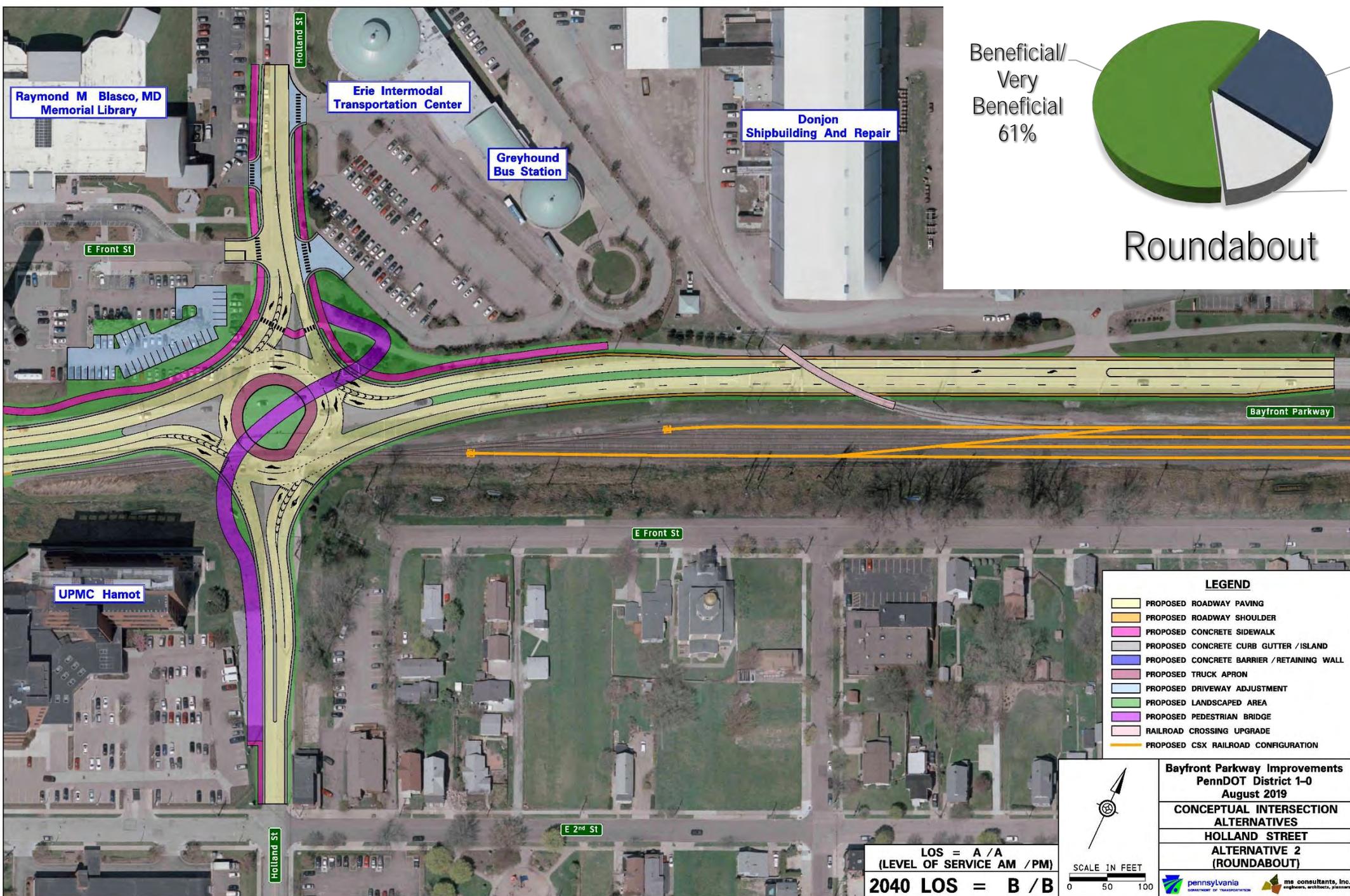
No Build

LOS = A / A  
(LEVEL OF SERVICE AM / PM)  
2040 LOS = B / D



**Bayfront Parkway Improvements**  
 PennDOT District 1-0  
 August 2019  
**CONCEPTUAL INTERSECTION**  
**ALTERNATIVES**  
**HOLLAND STREET**  
**ALTERNATIVE 1**  
**(NO BUILD)**



Raymond M Blasco, MD  
Memorial Library

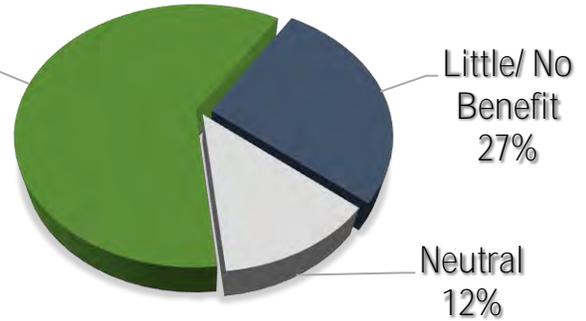
Erie Intermodal  
Transportation Center

Greyhound  
Bus Station

Donjon  
Shipbuilding And Repair

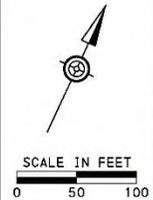
UPMC Hamot

Bayfront Parkway



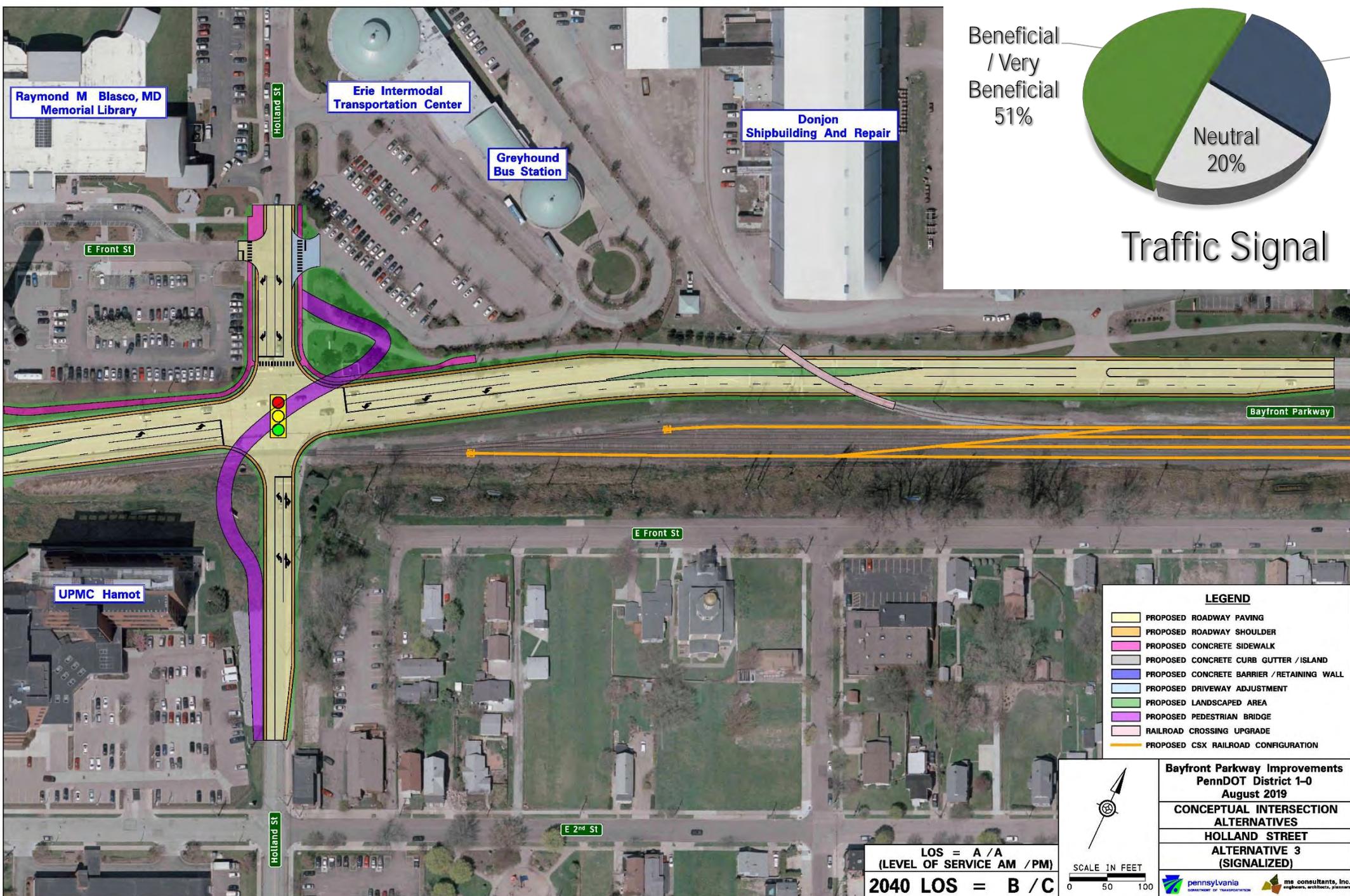
Roundabout

- LEGEND**
- PROPOSED ROADWAY PAVING
  - PROPOSED ROADWAY SHOULDER
  - PROPOSED CONCRETE SIDEWALK
  - PROPOSED CONCRETE CURB GUTTER / ISLAND
  - PROPOSED CONCRETE BARRIER / RETAINING WALL
  - PROPOSED TRUCK APRON
  - PROPOSED DRIVEWAY ADJUSTMENT
  - PROPOSED LANDSCAPED AREA
  - PROPOSED PEDESTRIAN BRIDGE
  - RAILROAD CROSSING UPGRADE
  - PROPOSED CSX RAILROAD CONFIGURATION

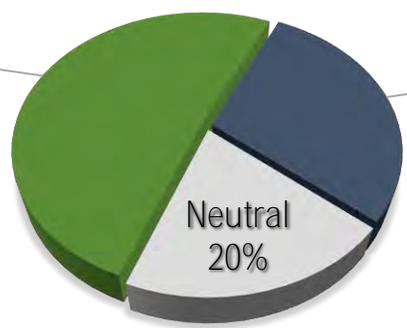


LOS = A / A  
(LEVEL OF SERVICE AM / PM)  
2040 LOS = B / B

**Bayfront Parkway Improvements**  
PennDOT District 1-0  
August 2019  
**CONCEPTUAL INTERSECTION**  
**ALTERNATIVES**  
**HOLLAND STREET**  
**ALTERNATIVE 2**  
**(ROUNDABOUT)**



Beneficial / Very Beneficial  
51%



Little/No Benefit  
29%

Neutral  
20%

## Traffic Signal

Raymond M Blasco, MD Memorial Library

Erie Intermodal Transportation Center

Greyhound Bus Station

Donjon Shipbuilding And Repair

UPMC Hamot

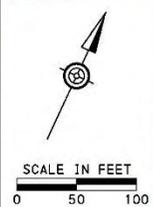
Bayfront Parkway

E Front St

E 2nd St

Holland St

LEGEND	
	PROPOSED ROADWAY PAVING
	PROPOSED ROADWAY SHOULDER
	PROPOSED CONCRETE SIDEWALK
	PROPOSED CONCRETE CURB GUTTER / ISLAND
	PROPOSED CONCRETE BARRIER / RETAINING WALL
	PROPOSED DRIVEWAY ADJUSTMENT
	PROPOSED LANDSCAPED AREA
	PROPOSED PEDESTRIAN BRIDGE
	RAILROAD CROSSING UPGRADE
	PROPOSED CSX RAILROAD CONFIGURATION



LOS = A / A  
(LEVEL OF SERVICE AM / PM)  
2040 LOS = B / C

**Bayfront Parkway Improvements**  
PennDOT District 1-0  
August 2019  
**CONCEPTUAL INTERSECTION ALTERNATIVES**  
**HOLLAND STREET**  
**ALTERNATIVE 3**  
**(SIGNALIZED)**

pennsylvania  
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ms consultants, inc.  
engineers, architects, planners

# Tell us about your ORIGIN + DESTINATION

Where are you going?

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Where are you coming from?

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How do you currently cross Bayfront Parkway?

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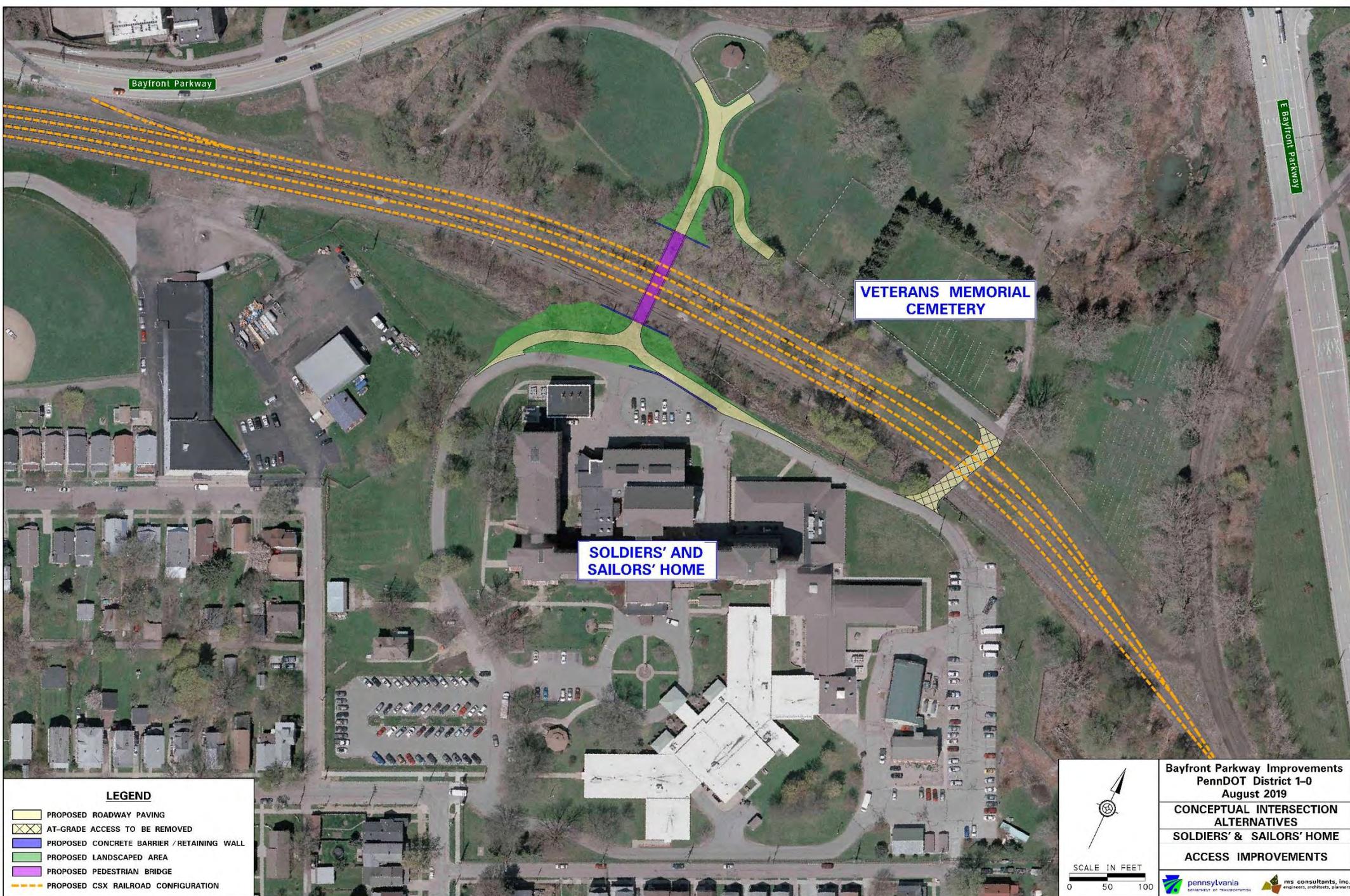
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## LEGEND

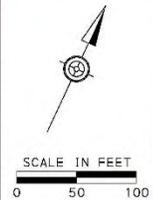
-  Existing walks/ paths
-  Existing crosswalks





**LEGEND**

-  PROPOSED ROADWAY PAVING
-  AT-GRADE ACCESS TO BE REMOVED
-  PROPOSED CONCRETE BARRIER / RETAINING WALL
-  PROPOSED LANDSCAPED AREA
-  PROPOSED PEDESTRIAN BRIDGE
-  PROPOSED CSX RAILROAD CONFIGURATION



Bayfront Parkway Improvements  
 PennDOT District 1-0  
 August 2019  
 CONCEPTUAL INTERSECTION  
 ALTERNATIVES  
 SOLDIERS' & SAILORS' HOME  
 ACCESS IMPROVEMENTS

# Alternative Evaluation Criteria

Meets the Purpose  
and Need

Enhancements to  
Pedestrian & Bicycle  
Mobility

Safety Improvement

Public Input

Environmental  
Impacts

Utility Impacts

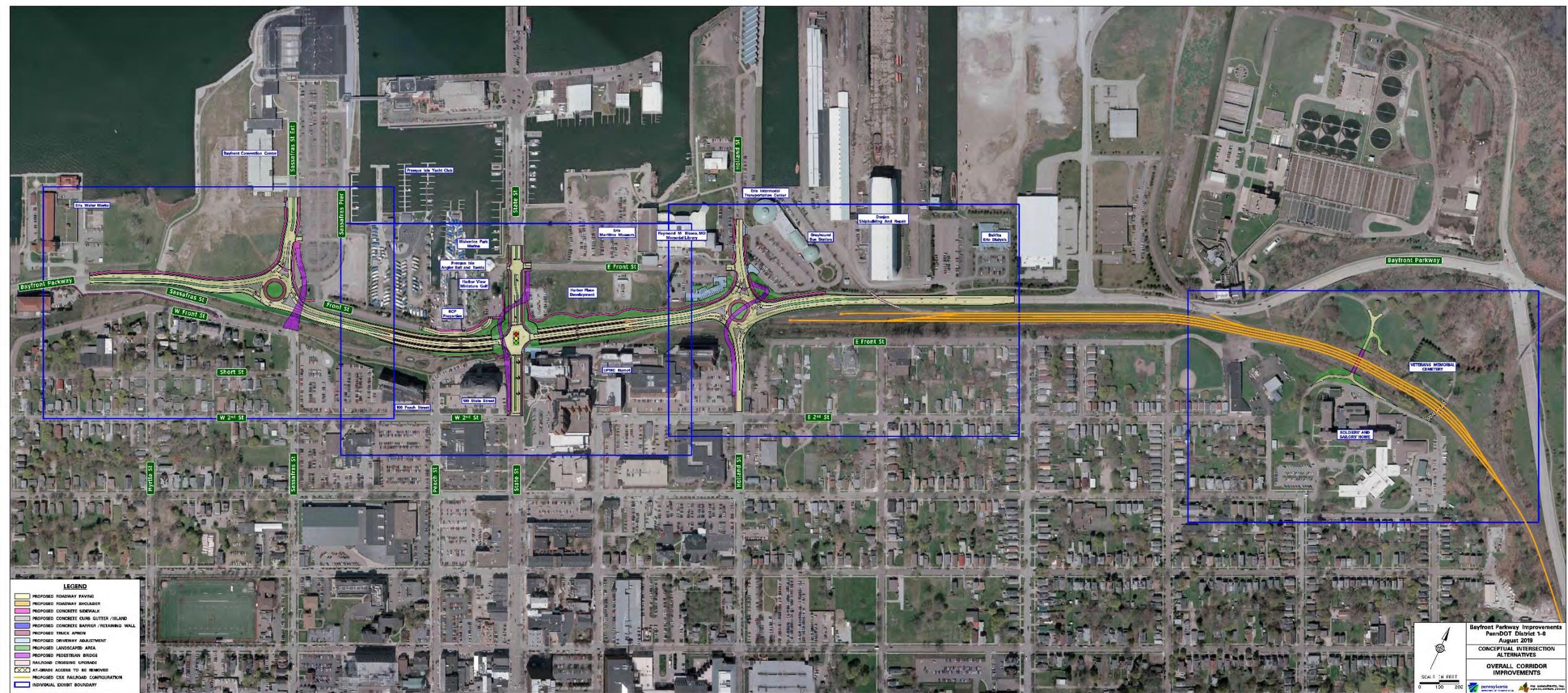
Right-of-Way  
Impacts

Visual Effects

Intersection Operation  
& Efficiency

Constructability

Construction Cost



- LEGEND**
- PROPOSED ROADWAY PAVING
  - PROPOSED ROADWAY SHOULDER
  - PROPOSED CONCRETE SIDEWALK
  - PROPOSED CONCRETE CURB CUTTER / ISLAND
  - PROPOSED CONCRETE BARRIER / RETAINING WALL
  - PROPOSED TRUCK APRON
  - PROPOSED DRIVEWAY ADJUSTMENT
  - PROPOSED LANDSCAPE AREA
  - PROPOSED PEDESTRIAN BRIDGE
  - RAILROAD CROSSING UPGRADE
  - AT-RISK AREAS TO BE REMOVED
  - PROPOSED GAZONIA CONTRIBUTION
  - INDIVIDUAL SUBMIT BOUNDARY

Bayfront Parkway Improvements  
 PennDOT District 1-8  
 August 2019  
 CONCEPTUAL INTERSECTION  
 ALTERNATIVES  
 OVERALL CORRIDOR  
 IMPROVEMENTS

SCALE: 1" = 100 FEET

0 100 200

# Overall Estimated Project Costs

Sassafras Street Ext	\$5.7M	to	\$8.0M
State Street	\$35.4M	to	\$45.7M
Holland Street	\$10.2M	to	\$16.7M
S&S Access Improvements	\$1.5M	to	\$2.0M
CSX Rail Relocations	\$4.5M	to	\$5.0M
CM / CI	\$5.0M	to	\$6.5M
Utility Relocations	\$0.5M	to	\$1.0M
Right-of-Way Acquisition	\$1.0M	to	\$2.5M
Engineering / Design	\$5.0M	to	\$6.5M
<b>TOTAL</b>	<b>\$68.8M</b>	<b>to</b>	<b>\$93.9M</b>

\* High-level construction cost estimates subject to change based upon more detailed design and engineering.

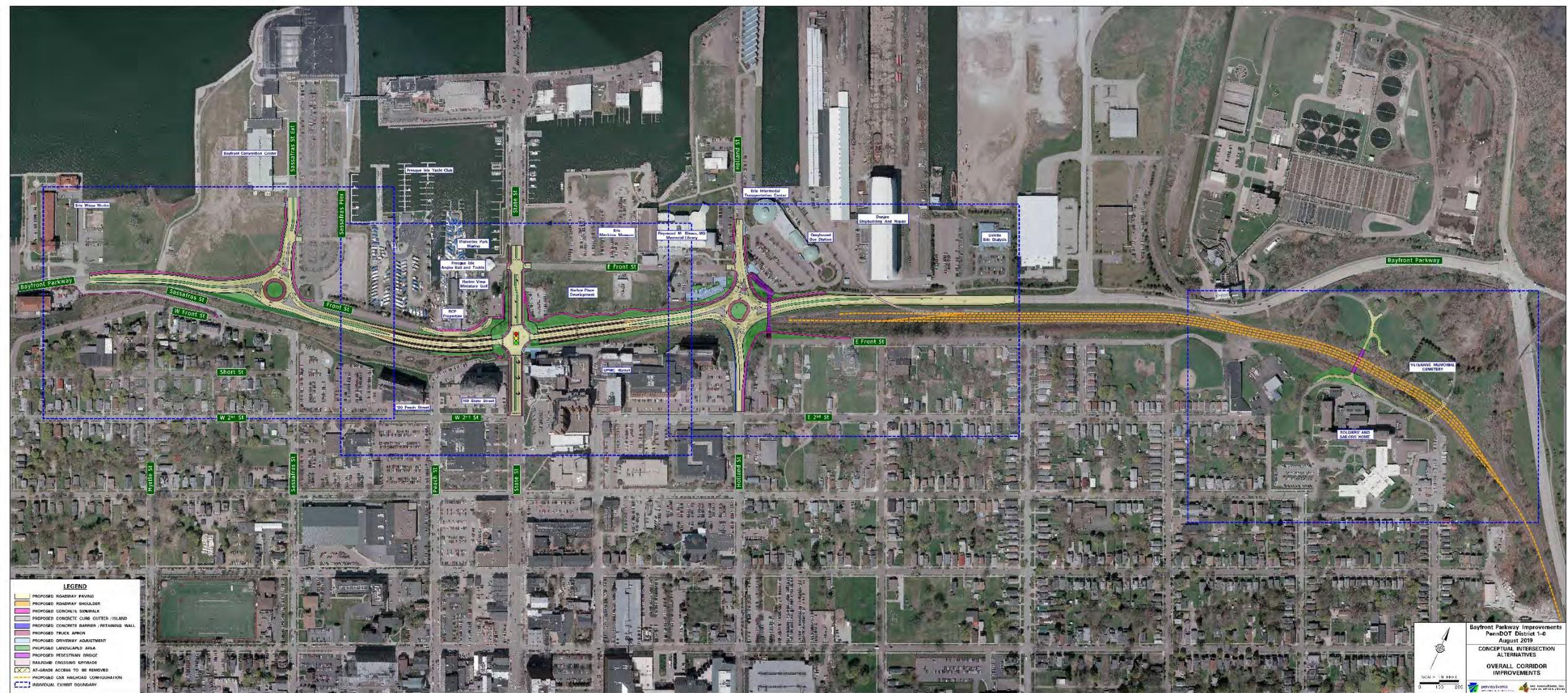


# Available Funding

- \$15 Million – State Appropriations 581 Fund – Secured
- \$17.6 Million – Federal Surface Transportation Program (STP) – Secured
- \$1.2 Million – Railroad Section 130 Fund – Secured
- \$25 Million – B.U.I.L.D. Grant – Submitted Application July 2019  
(Better Utilizing Investments to Leverage Development)

**Potential Total = \$58.8 Million**





**LEGEND**

- PROPOSED ROADWAY PAVING
- PROPOSED ROADWAY SHOULDER
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE CURB / UTTER / ISLAND
- PROPOSED CONCRETE BARRIER / RETAINING WALL
- PROPOSED TRUCK APRON
- PROPOSED DRIVEWAY ADJUSTMENT
- PROPOSED LANDSCAPING AREA
- PROPOSED PEDESTRIAN BRIDGE
- RAILROAD CROSSING UPGRADE
- AT-GRADE ACCESS TO BE REMOVED
- PROPOSED ONE-WAY RECONFIGURATION
- INDIVIDUAL CURB CUT BOUNDARY

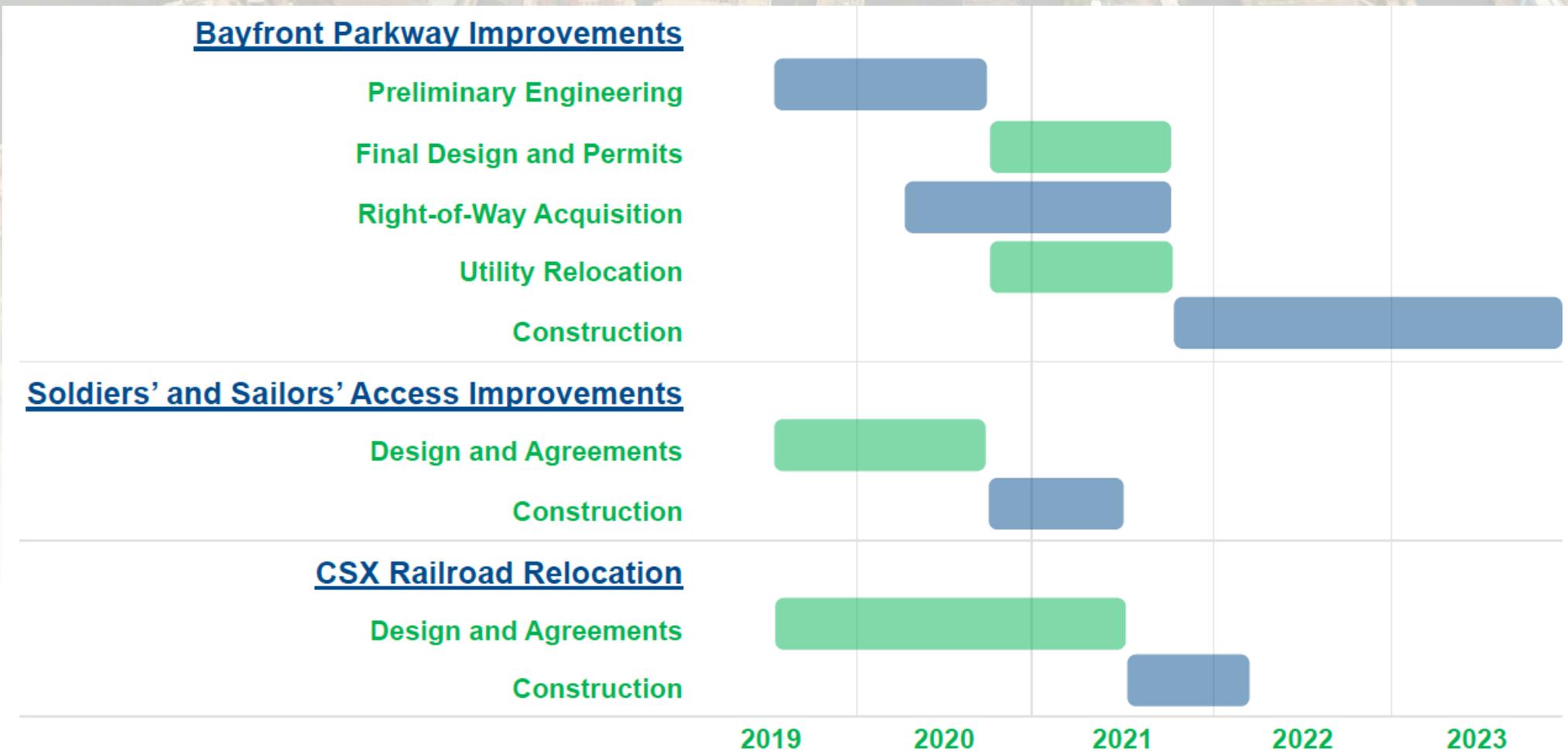
Bayfront Parkway Improvements  
 PennDOT District 1-6  
 August 2019  
 CONCEPTUAL INTERSECTION  
 ALTERNATIVES  
 OVERALL CORRIDOR  
 IMPROVEMENTS

SCALE = 1" = 100'-0"  
 0 100 200

pennDOT district 1-6  
 august 2019



# Tentative Project Schedule (BUILD Alternative)



NOTE: PROJECT SCHEDULE SUBJECT TO CHANGE.



# Open Discussion

[www.BayfrontParkwayProject.com](http://www.BayfrontParkwayProject.com)

[www.facebook.com/groups/BayfrontParkwayProject/](https://www.facebook.com/groups/BayfrontParkwayProject/)

