

# Walk Bridge Program

Business Coordination Plan

February 21, 2018



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





# Walk Bridge Program and Associated Projects



7

INTERSTATE  
95



Heron Rd.

Norden Pl.

Triangle St.

Strawberry Hill Ave.

NEW HAVEN MAINLINE

East Avenue Roadway  
Improvements (102-0297)

Retaining Wall 27 Replacement Project  
(301-0190)

Replacement of Rail Bridge over  
East Avenue (301-0187)

Rehabilitation of Rail Bridge over  
Osborne Avenue (301-0188)

Replacement of Rail Bridge over  
Fort Point Street (301-0189)

DANBURY BRANCH

N. Water  
St.

Ann  
St.

Replacement of Rail  
Bridge over Ann Street

Washington St.

N. Water  
St.

Monroe St.

S. Main St.

Point St.

Fort

Fort Point St.

Osborne Ave.



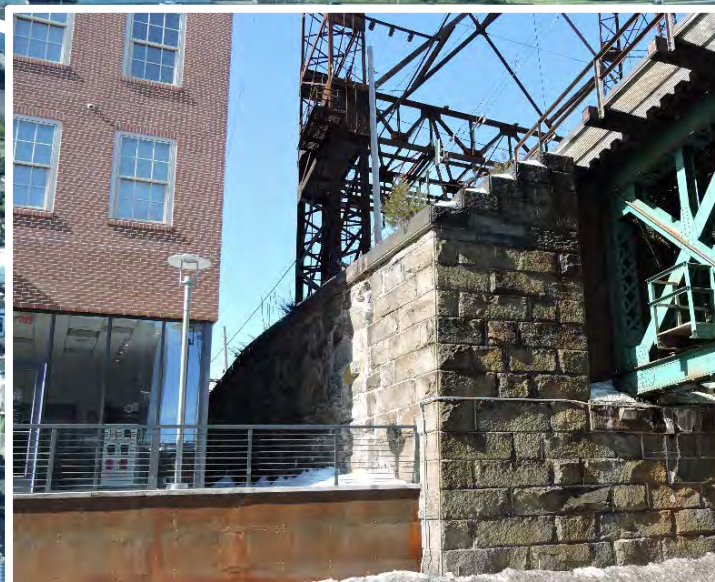
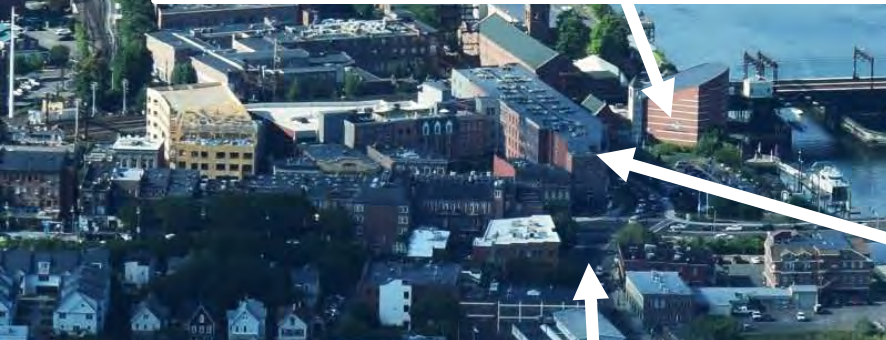
## Legend

- Walk Bridge Replacement  
Project Includes Sandy Funding
- Danbury Branch Dockyard Project
- CP-243 Interlocking  
Project
- Fort Point Bridge Replacement  
Project
- Other Projects



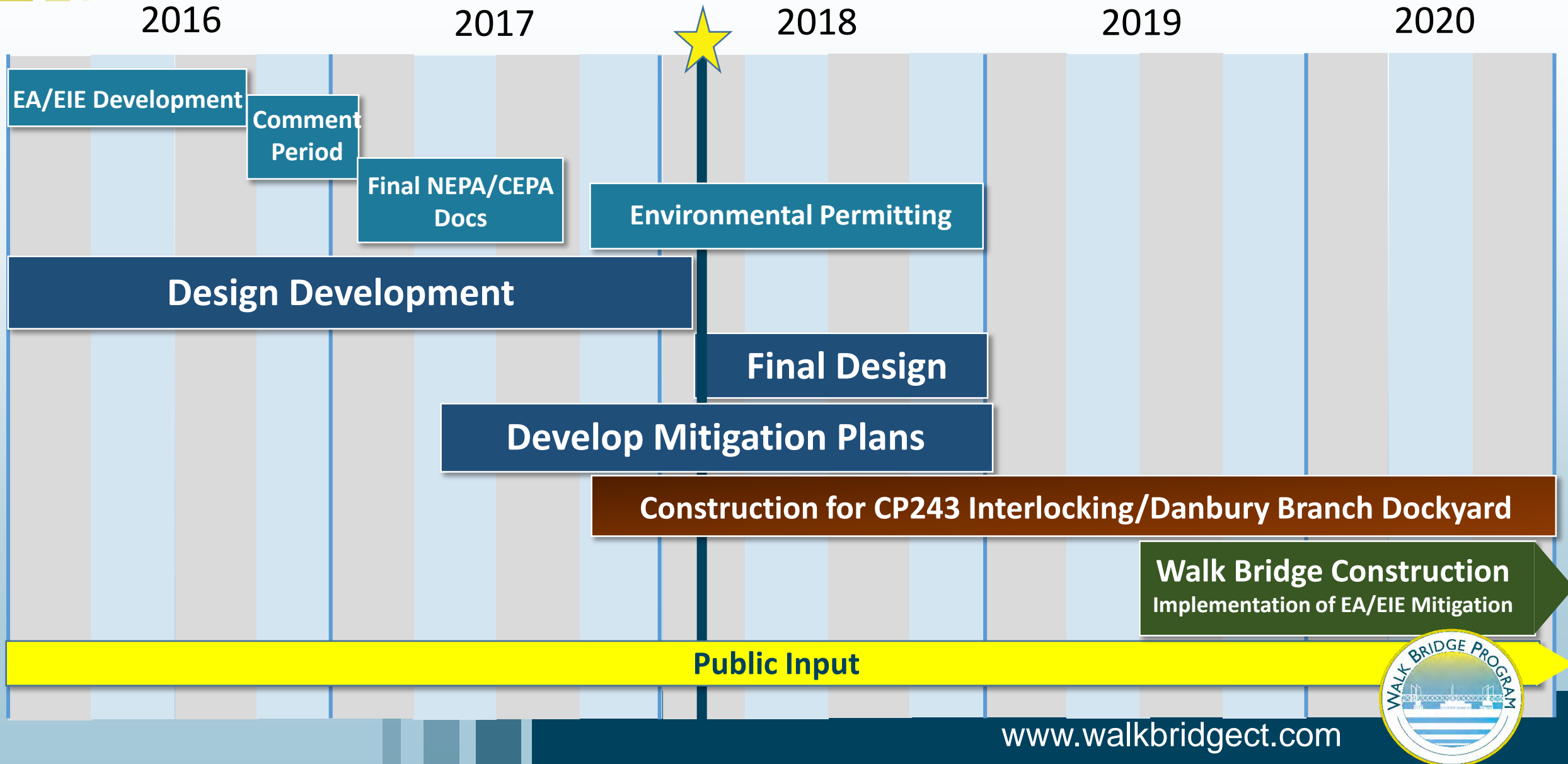
South  
Norwalk  
Station







# Program Schedule



# Program Costs (Approx. \$1B)

## Danbury Branch Dockyard

Est. Const: \$86M

Est. PE/Other: \$10M

## Walk Bridge Replacement

(Includes Fort Point Street Bridge)

Est. Const: \$550M

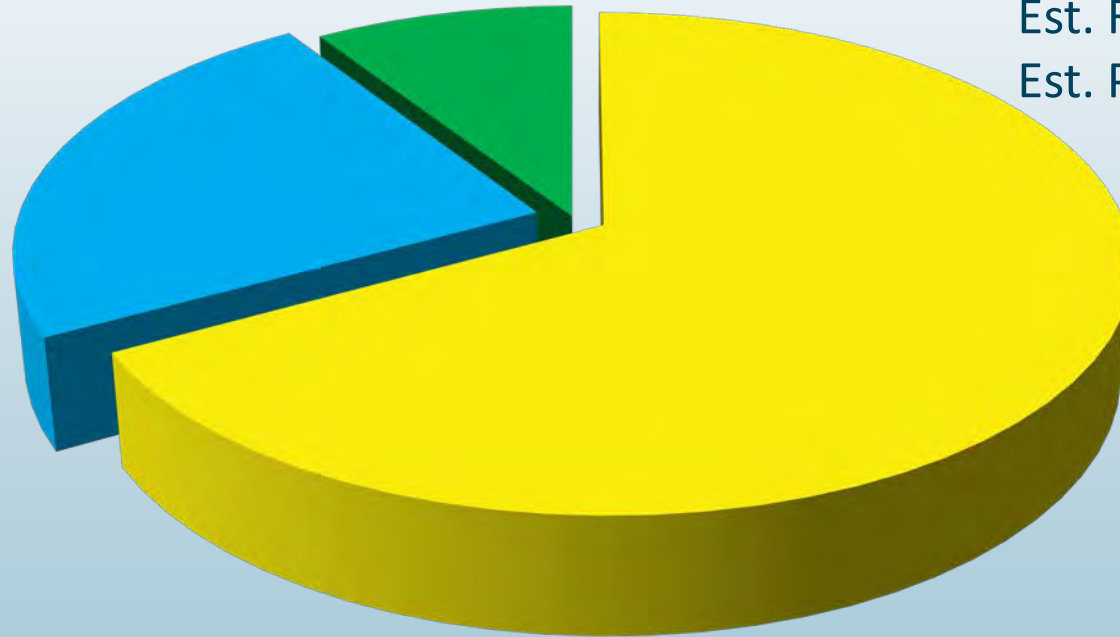
Est. ROW: \$75M

Est. PE/Other: \$70M

## CP243 Interlocking

Est. Const: \$236M

Est. PE/Other: \$10M

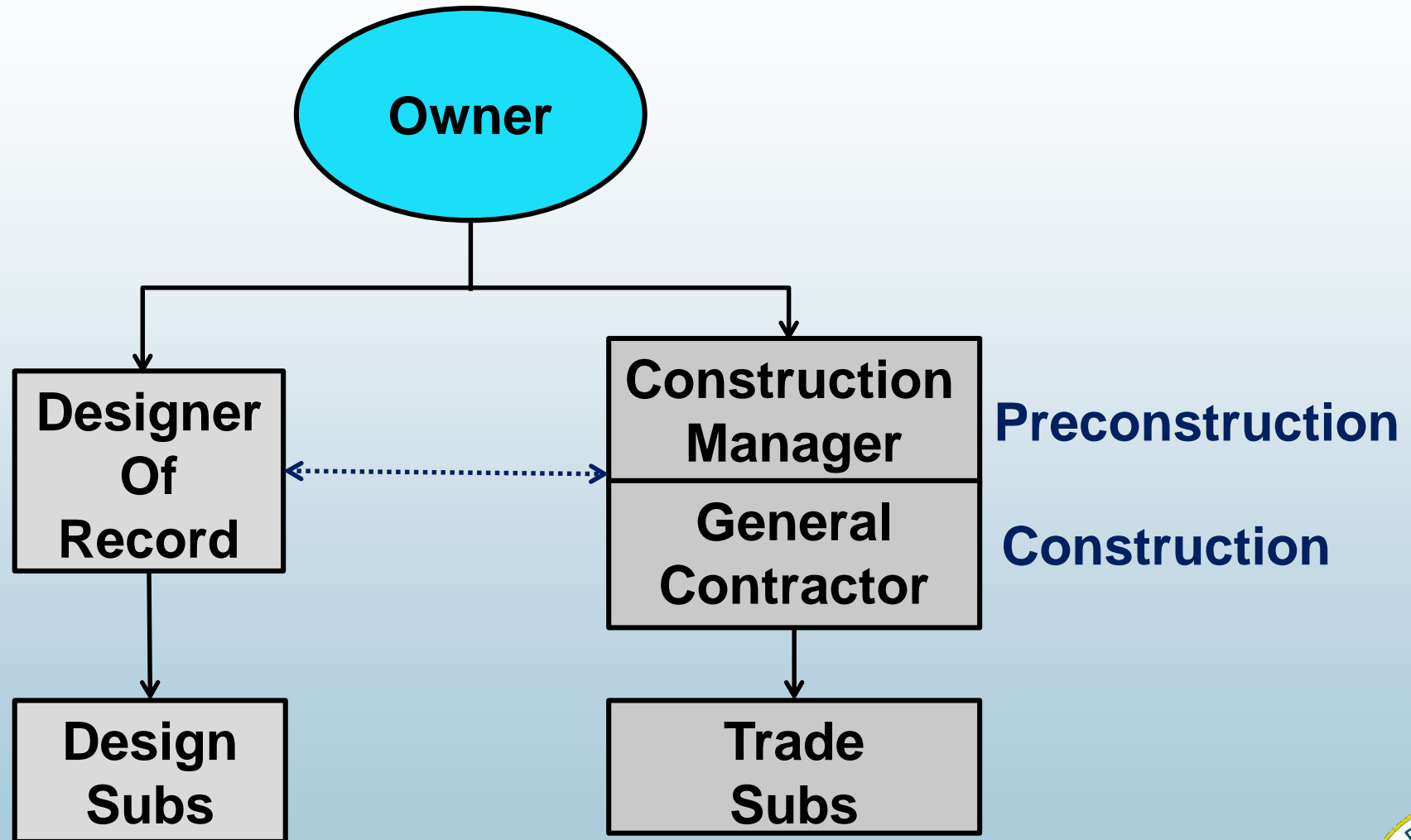


# CM\GC

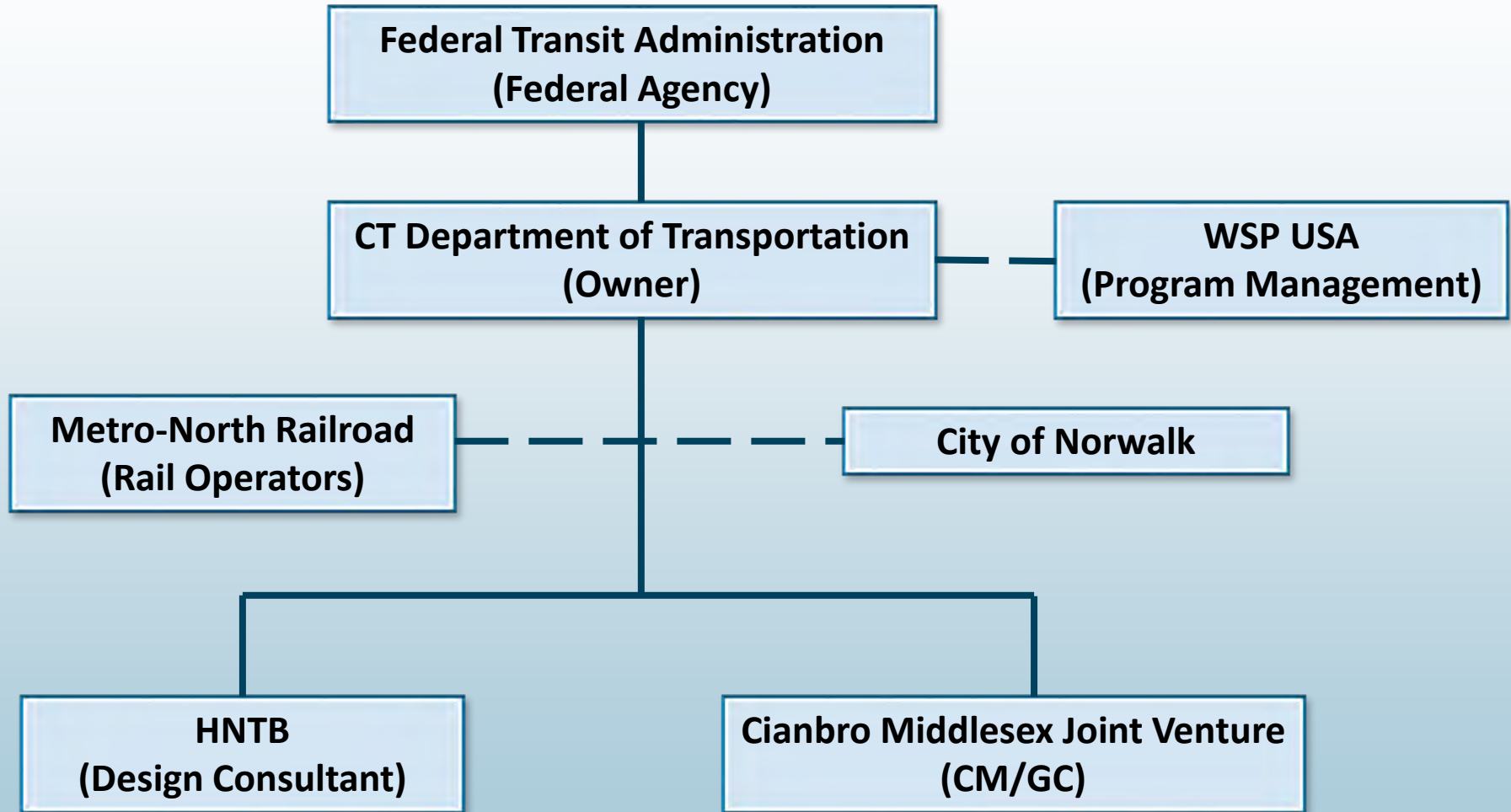
- Collaboration/cooperation
- Increased use of design/construction innovation
- Improved risk identification and mitigation
- Cost certainty
- Schedule certainty
- Owner retains control over design
- Contractor (CM) input on:
  - Constructability
  - Complex/new technology/staging



# CM/GC Structure



# Project Team





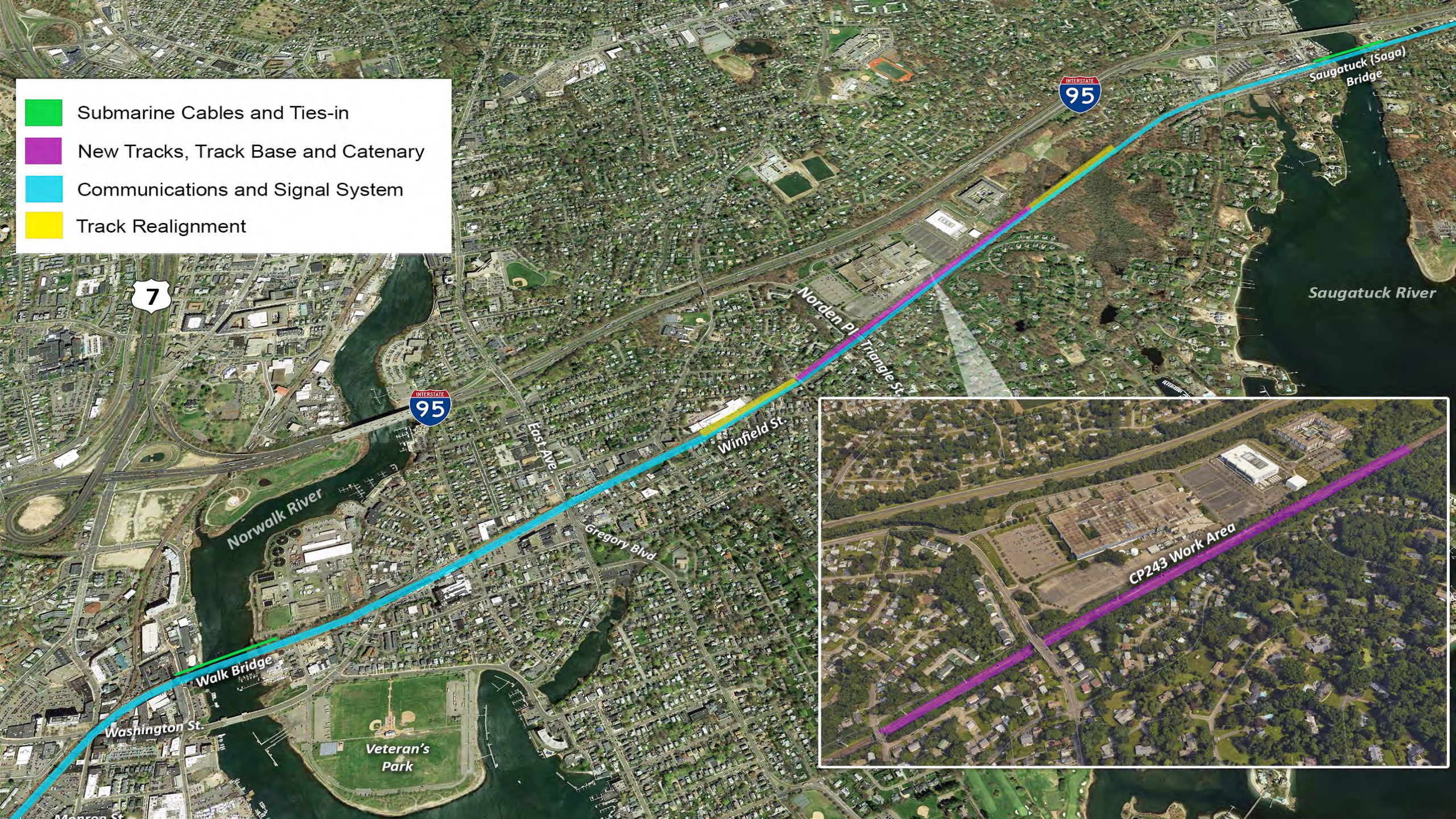
# CP243 Interlocking Project



- Four Track Interlocking
  - 6 New Switches
  - Track Realignment and Replacement
- Communications and Signal Systems
- Overhead Catenary System Modifications



- Submarine Cables and Ties-in
- New Tracks, Track Base and Catenary
- Communications and Signal System
- Track Realignment





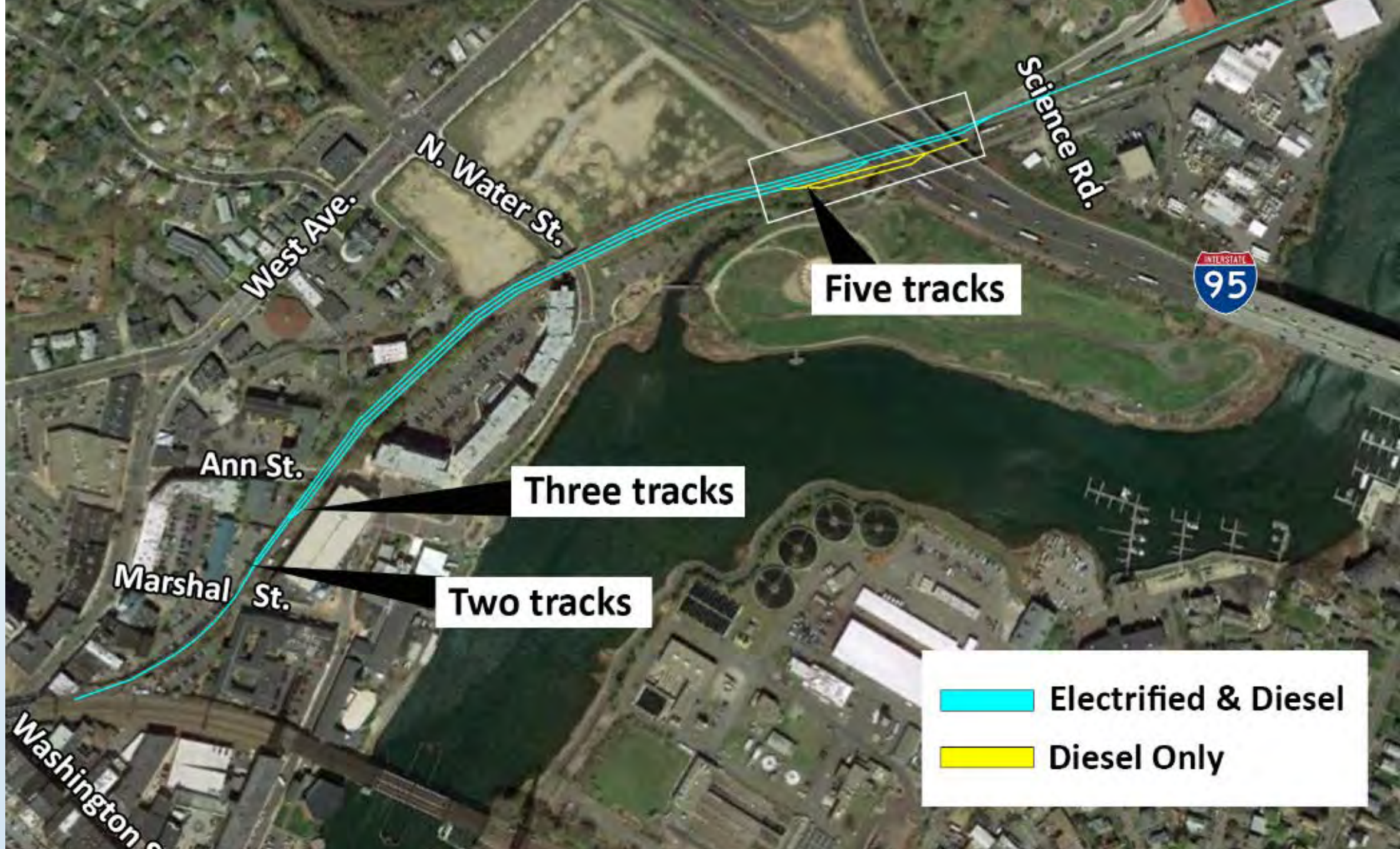
# Danbury Branch Dockyard

- New Track & Track Replacement
- Communications and Signal System
- New Catenary Systems (Electrification of the Southern End)
- Superstructure Replacement of Ann St. RR Bridge



Construction Started: Oct 2017  
Approx. 3 yr. Duration





**Five tracks**

**Three tracks**

**Two tracks**

**Electrified & Diesel**

**Diesel Only**



# Ann Street Bridge



## Superstructure Replacement

- Weathering Steel Beams
- New Catenary
- Abutment Wall Improvements

## Two 50-day Closures of Ann St.

- Late Spring 2018
- Fall 2018



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# Walk Bridge Replacement Project

**Start Date**

2019

**Construction Duration**

4-5 years

**Est. Construction Cost**

\$550M



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Track Work

Walk Bridge Replacement

Retaining Wall 27 Replacement

East Avenue Bridge and Roadway Projects

Rehabilitation of Rail Bridge over Osborne Avenue

Replacement of Rail Bridge over Fort Point Street

Washington St.

Fort Point St.

Veteran's Park

Osborne Ave.

East Ave.



# Why the 240' Vertical Lift Span?

- Shortest construction schedule
- Lowest risk during construction
- No extended navigation restrictions
- Fewest foundations in the water
- Architectural and aesthetic flexibility
- Improved alignment with Stroffolino Bridge





# Construction Coordination Plans

## SAFETY & SECURITY

- Safety & Security
- Health & Safety (RR Safety)
- Construction Site Safety

## RESOURCE PROTECTION

- Air Quality/Dust Control
- Noise & Vibration Control
- Water Quality
- Dredge/Impacted Materials
- Stormwater Pollution
- Historic Building Protection
- Maritime Aquarium Coordination

## COMMUNITY

- Communications Management
- **Business Coordination**

## CONSTRUCTION COORDINATION

- Transportation Management
- Parking
- Marine Transportation Use
- Water Dependent Use
- Regional Transportation Management

Final Drafts at 90% Design





# Business Coordination Plan

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# Business Coordination Plan (BCP)

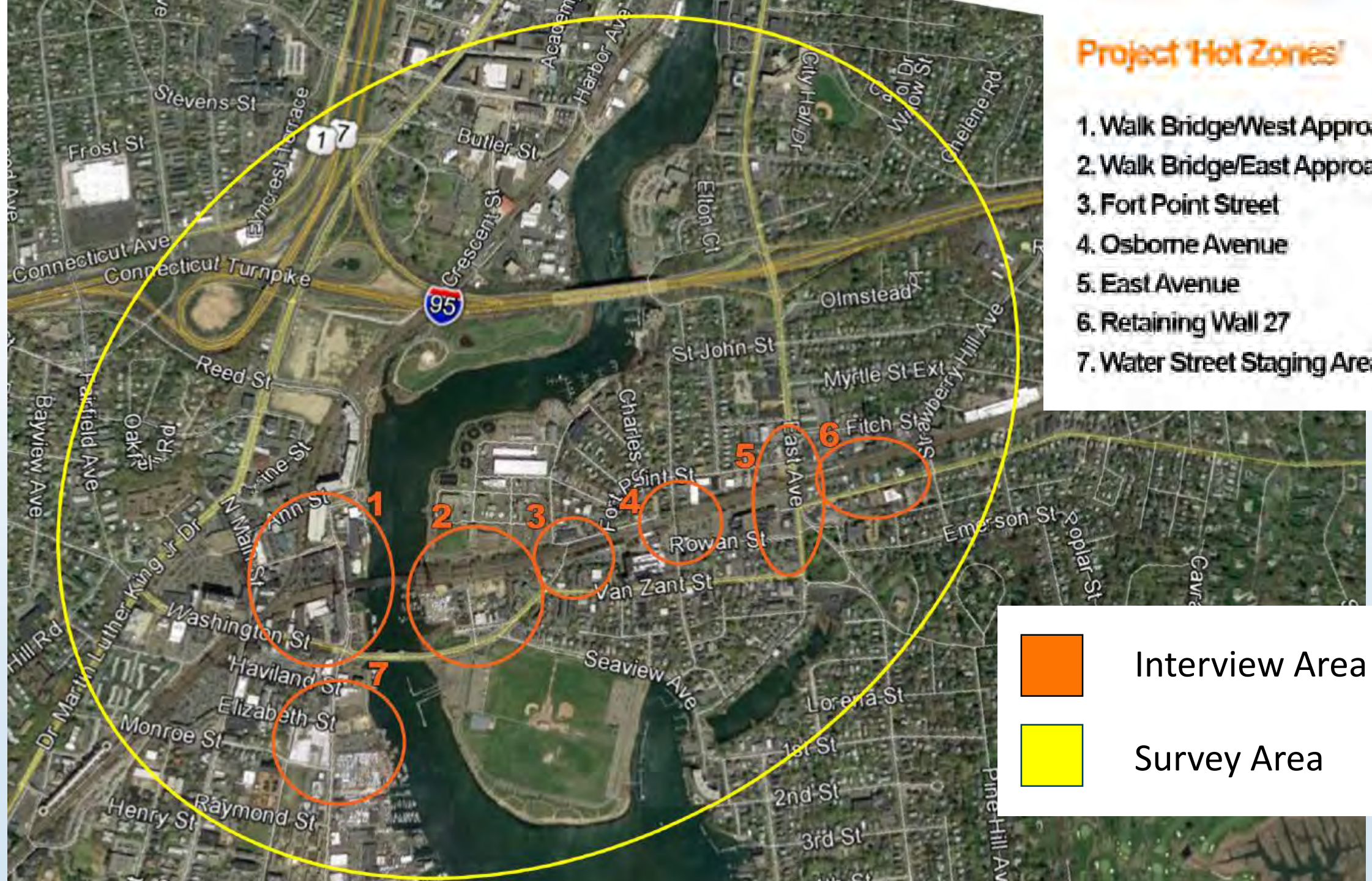
- Research  
• BCP Business Database  
December – February
- Data Collection  
• Perform Interviews and surveys  
March – April
- Data Analysis  
• Key Concerns  
• Potential Mitigation Measures  
May – June



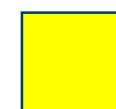


## Project 'Hot Zones'

1. Walk Bridge/West Approach
2. Walk Bridge/East Approach
3. Fort Point Street
4. Osborne Avenue
5. East Avenue
6. Retaining Wall 27
7. Water Street Staging Area



Interview Area



Survey Area



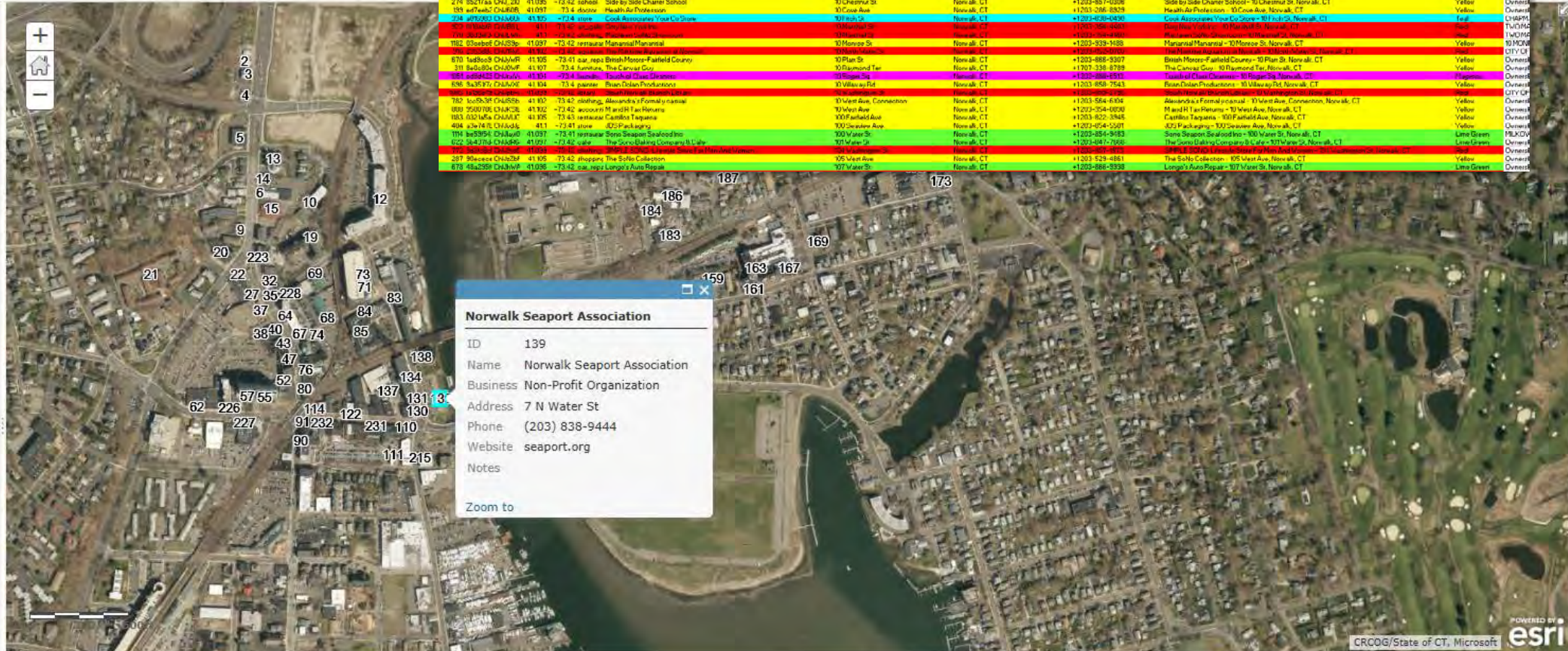
# BCP Database

## Walk Bridge Business Communication Plan

Basemap

Content Legend

data 11-27



Business Data 11-27 (Features: 217, Selected: 1)

ID	Name	Business	Address	Phone	Website	Notes
139	Norwalk Seaport Association	Non-Profit Organization	7 N Water St	(203) 838-9444	seaport.org	
140	Maritime Rowing Club at Water Sports Center	Rowing Club	11 Goldstein Pl	(203) 854-5492	maritimerowing.com	
141	Coastwise Boatworks	Boat Dealer	11 Goldstein Pl	(203) 866-4041	coastwiseboatworks.com	
143	Valentino's Cucina Italiana	Italian Restaurant	195 Liberty Square	(203) 956-7300	valentinoscucina.com	
144	D. J. Fish & Seafood	Fish & Seafood	107 Water St	(203) 838-1000	djfish.com	



# Data Collection

- Survey Implementation
  - Online link on website
  - Emails to distribution lists
  - Door-to-door initiative
- One-on-one Interviews
  - Hot zone areas

The image shows a screenshot of the Walk Bridge Program website and a survey form. The website has a yellow header with the 'WALK BRIDGE PROGRAM' logo and navigation links: HOME, ABOUT THE PROGRAM, PROJECTS, GET INVOLVED, FAQs, PROJECT DOCUMENTS, NEWS ROOM, CONTACT US, and a 'RELATED PROJECTS' button. A 'Construction Alerts' section lists recent updates with 'SHORT TERM' and 'LONG TERM' filters. Overlaid on the website is a 'Walk Bridge Program Business Survey Discussion Guide' form. The form includes fields for Name and Title, Business or Organization Name, Business Type, Street Address, City/Town, State, and Zip, Email Address, and Phone Number. It also contains two main sections: '1. What are your business's hours of operation?' with days of the week and '2. What are the peak (busiest) hours for your business or organization? (please select all that apply)' with time slots. A 'Comments' field is at the bottom.

WALK BRIDGE PROGRAM

Business Survey Discussion Guide

Name and Title \_\_\_\_\_

Business or Organization Name \_\_\_\_\_

Business Type \_\_\_\_\_

Street Address \_\_\_\_\_

City/Town, State, and Zip \_\_\_\_\_

Email Address \_\_\_\_\_

Phone Number \_\_\_\_\_

1. What are your business's hours of operation?

Monday: \_\_\_\_\_ Friday: \_\_\_\_\_

Tuesday: \_\_\_\_\_ Saturday: \_\_\_\_\_

Wednesday: \_\_\_\_\_ Sunday: \_\_\_\_\_

Thursday: \_\_\_\_\_

2. What are the peak (busiest) hours for your business or organization? (please select all that apply)

☐ Midnight to 2 am ☐ noon to 2 pm

☐ 2 am to 4 am ☐ 2 pm to 4 pm

☐ 4 am to 6 am ☐ 4 pm to 6 pm

☐ 6 am to 8 am ☐ 6 pm to 8 pm

☐ 8 am to 10 am ☐ 8 pm to 10 pm

☐ 10 am to noon

☐ 10 pm to midnight

Comments: \_\_\_\_\_





# Interviews – Hot Zones

- Phone calls to businesses
- 30-minute interviews (March)
  - Trained program representatives (WSP)
  - At the business' convenience
- WSP and Chamber Leadership Institute representatives
  - Washington/N. Water St. only





# Interviews - Content

- Business Operations
  - Peak days, months, times
  - Parking
  - Work force size and travel
  - Anticipated changes in business
- Business Marketing Methods
- Construction Concerns
  - Mitigation measures/ideas







# Open Discussion