

Walk Bridge Replacement Project

A Sustainable Project
for Norwalk &
the Northeast Corridor

Sarah Walker, AICP ENV SP
HNTB Corporation



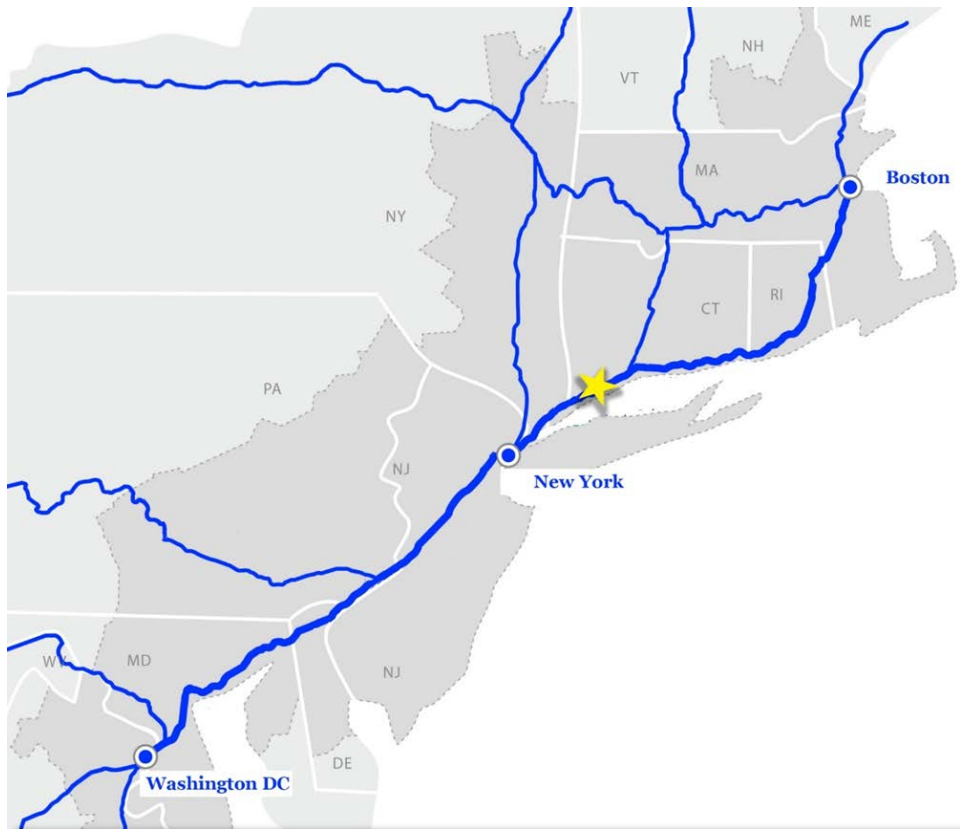
Summary of Presentation

1. Project Setting
2. Project Challenge
3. Innovative Construction Approach
4. Construction Coordination Plans

Walk Bridge



Walk Bridge: Regional & Local Significance



125,000 passengers &
175 trains daily



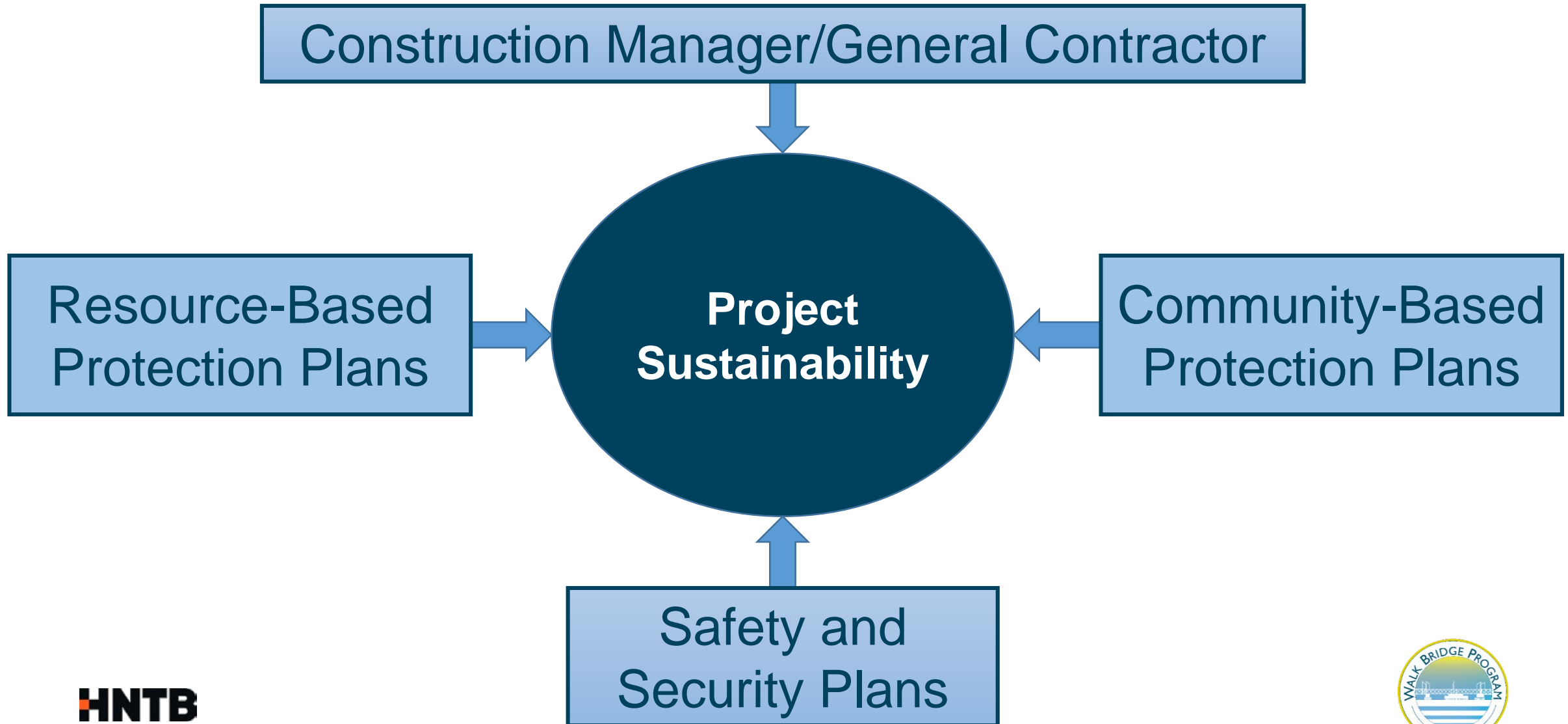
Selected Project Design: Vertical Lift Span



- Shortest construction schedule
- Lowest construction risks
- Shortest period of navigational restrictions
- Least natural resources impacts
- Least social & economic impacts to Norwalk

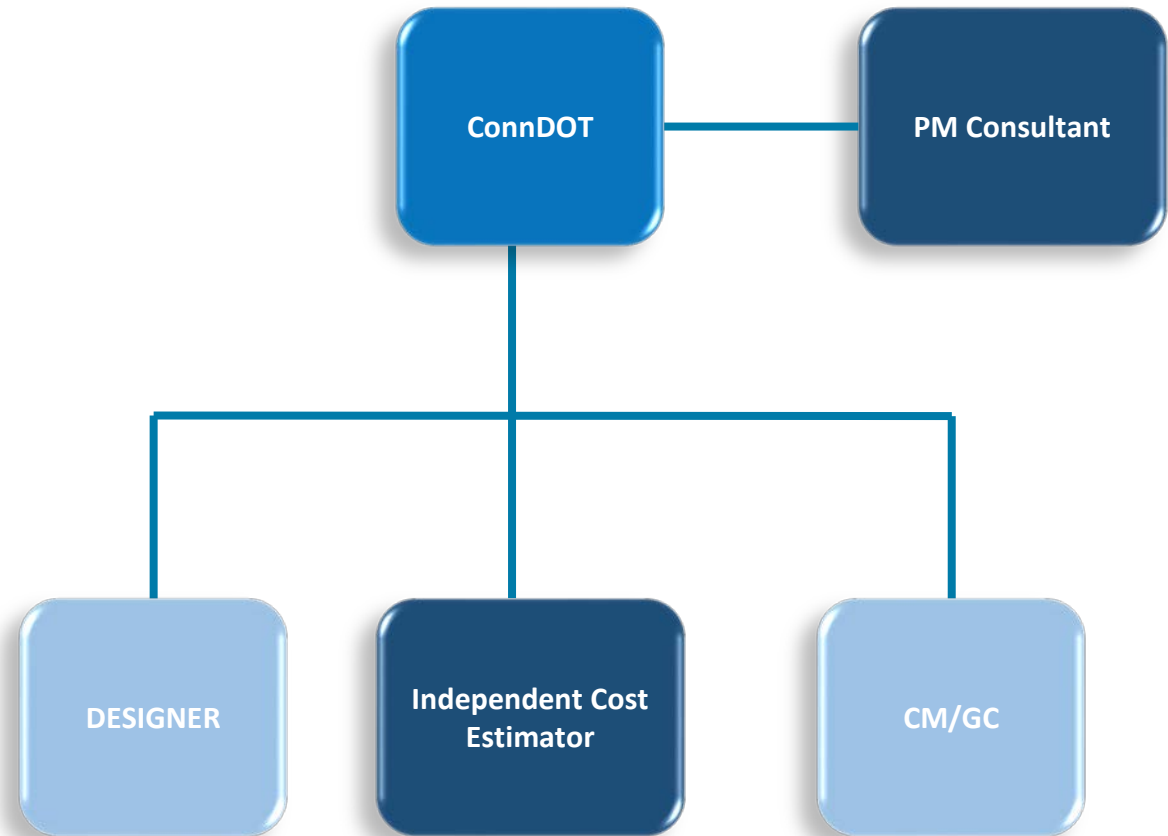
**Challenge: Maintain Commuter Rail Service
& Minimize Community Impacts**

Integrated Design and Construction Process



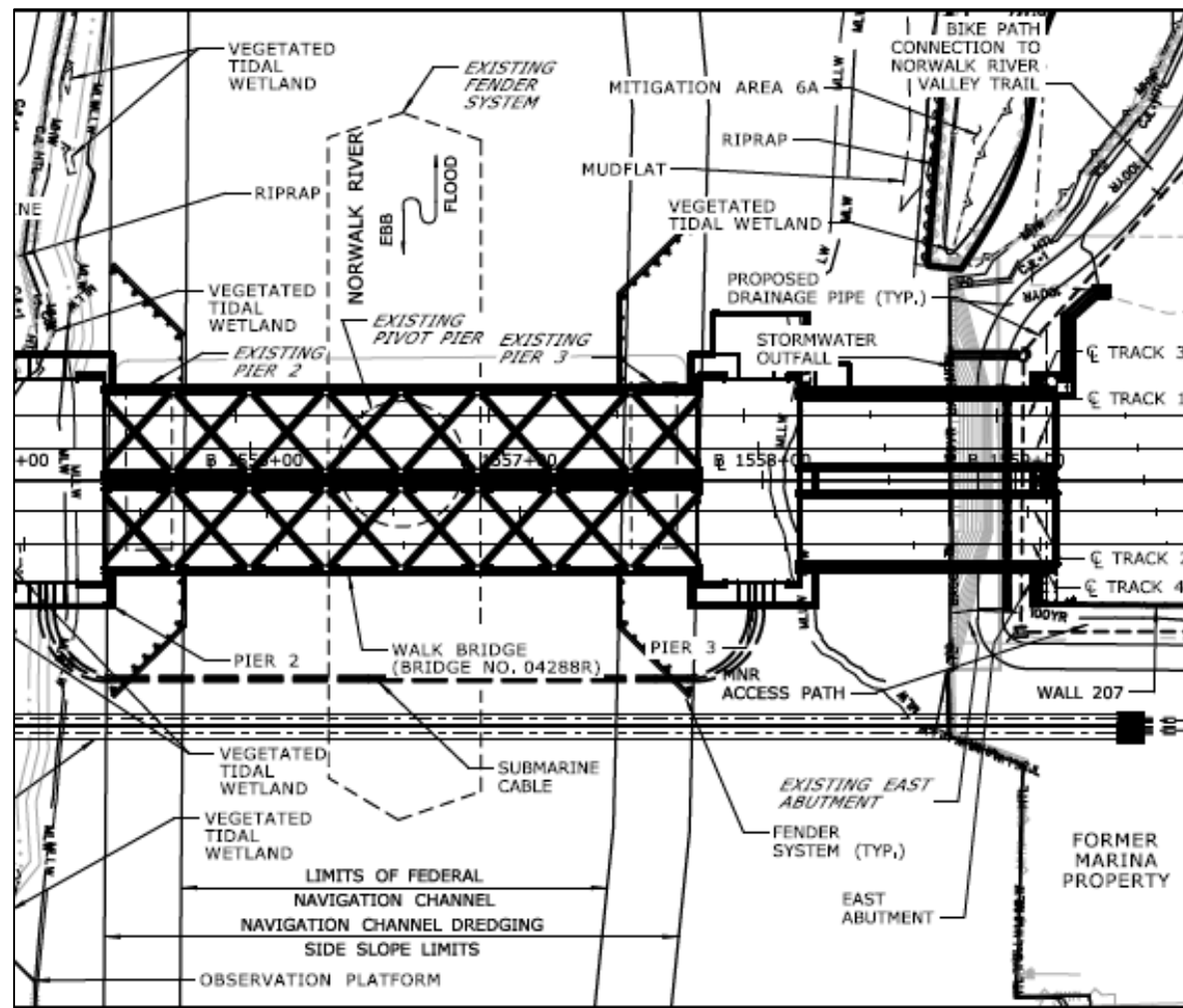
Innovative Construction Approach

Construction Manager/General Contractor Alternative Delivery



Benefits of CM/GC Process

- Provides advice to designer
- Identifies innovative construction solutions
- Coordinates planning & construction operations
- Promotes collaboration & efficiency



Examples of Designer-CM/GC Collaboration

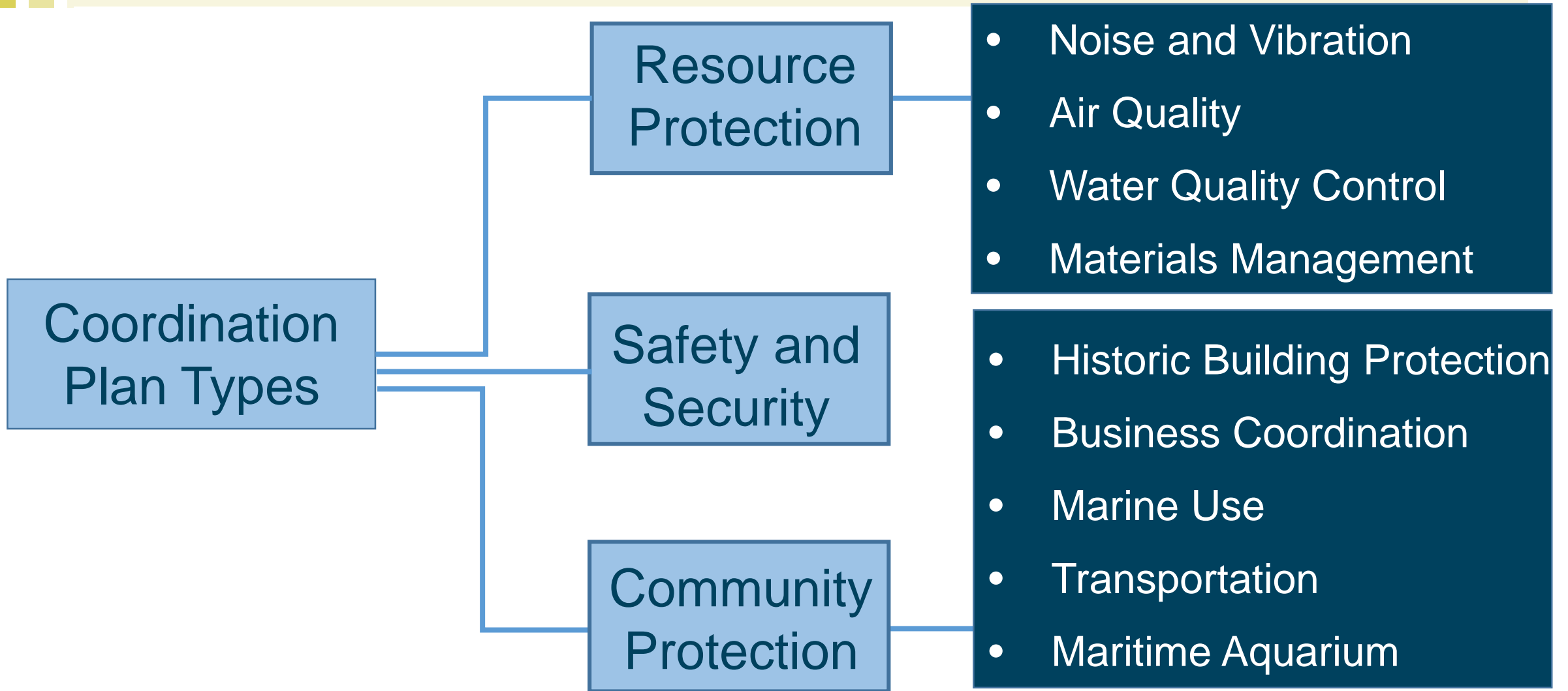
Wetland Mitigation Design



Bridge Component Salvage

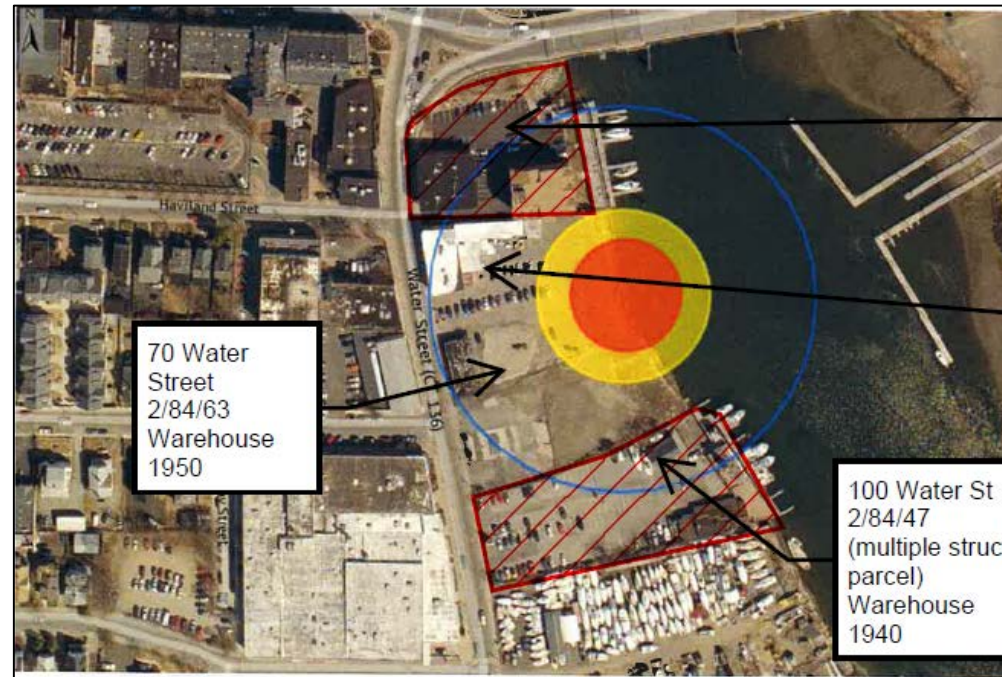


Construction Coordination Plans



Community-Based Plan: Historic Building Protection

- Section 106 MOA Stipulation
- Protection expanded to include Zone of Influence buildings



Historic Building Protection Plan



- Initial Building Condition Surveys
- Preventative Measures
- Test Pile Program Monitoring
- Pre-Construction Building Surveys & Follow-Up

The New Walk Bridge - A Sustainable Solution

- ✓ Restore rail infrastructure
- ✓ Improve service safety & reliability
- ✓ Expand & enhance service
- ✓ Upgrade tracks to support local & express service

HNTB



- ✓ **CTDOT's Goals for New York to New Haven Corridor**

