

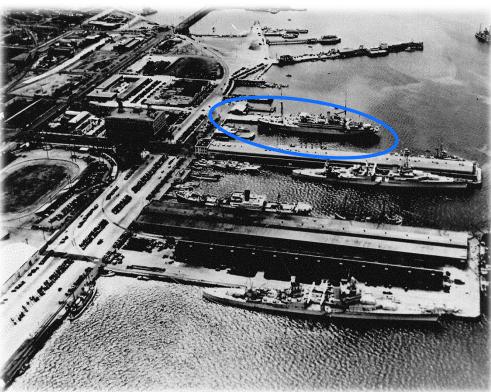


Navy Pier Major Maintenance and Redevelopment



History - 1928







History - 1941







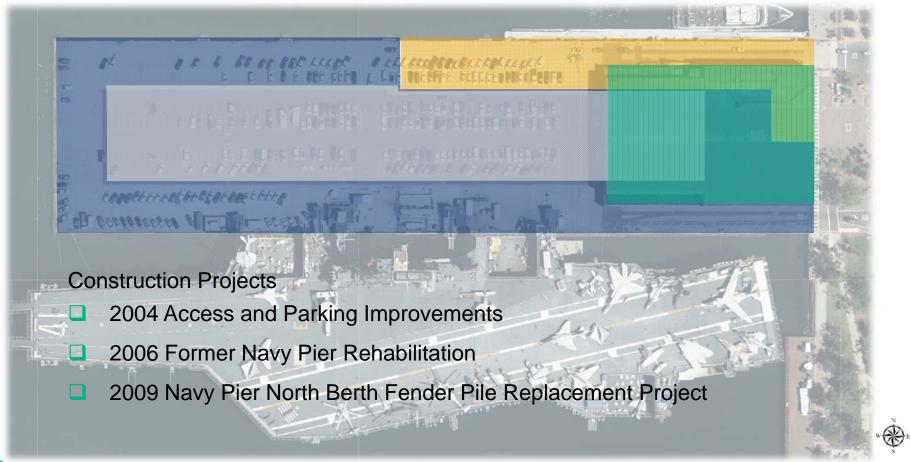
1995 - Present







Projects





Future Redevelopment of Navy Pier

Lesley Nishihira, Planning

BPC 2018-0380

9/12/2018



Additional PMPU Policy Discussion Topics



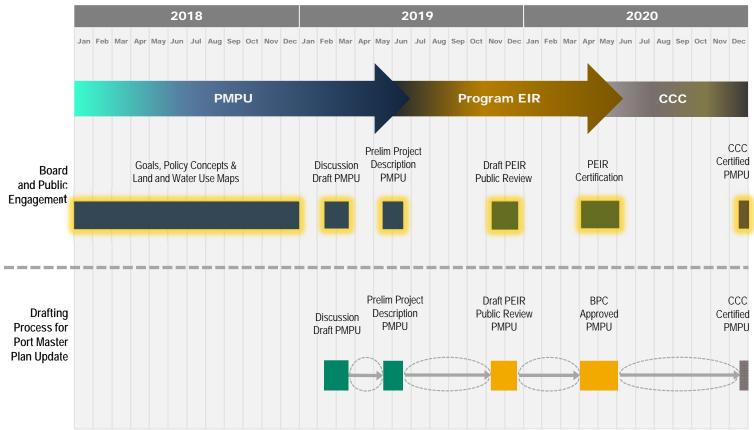
Environmental justice related policies





Integrated Planning: Port Master Plan Update

Drafting Process





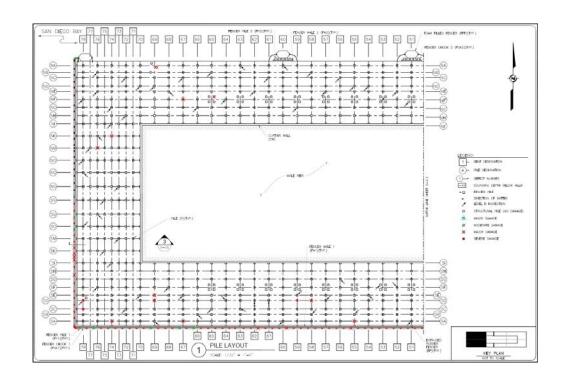
Asset Management Program

Christopher McGrath, Engineering-Construction



Structural Condition Assessment Survey

- Asset Management Program data development
- Collins Engineering performed a structural condition assessment in 2015
- Inspection process followed Underwater Investigations Standard Practice Manual
- Defined key parameters of each asset
- Data evaluated by planning software, IRIS





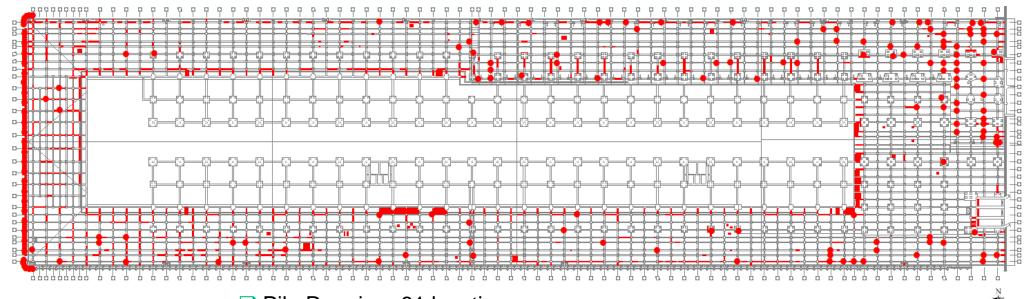


- The 10-year major maintenance program will address approximately \$10M worth of assets.
- Estimate is based on 2018 dollars and includes soft cost such as design and construction management.*
- □ Project need will be evaluated if a redevelopment plan is approved prior to 2024. **



2016-2019

Structural Repairs at Navy Pier \$3.8M-\$4.1M



☐ Pile Repair – 81 locations



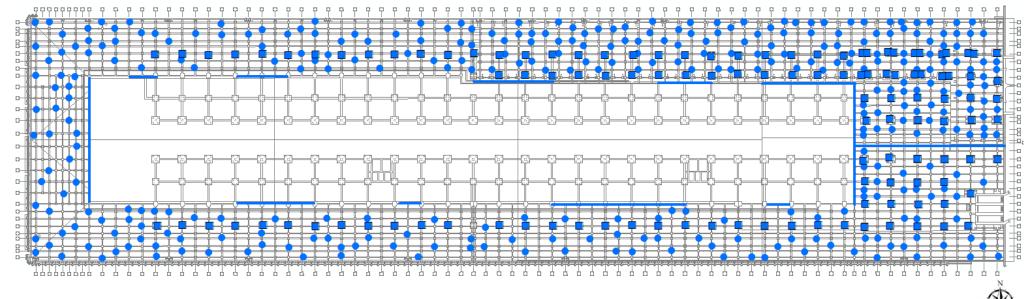
☐ Fender System Replacement – 250 linear feet



2020-2023

Vertical Pile Repairs at Navy Pier \$6.0M-\$7.0M *

NOTE: Scope of Work is preliminary and will be finalized and confirmed in a future Preliminary Engineering Report.



- ☐ Pile Repair 334 locations
- ☐ Pile Cap Repair 791 locations
- Beam Repair 217 locations

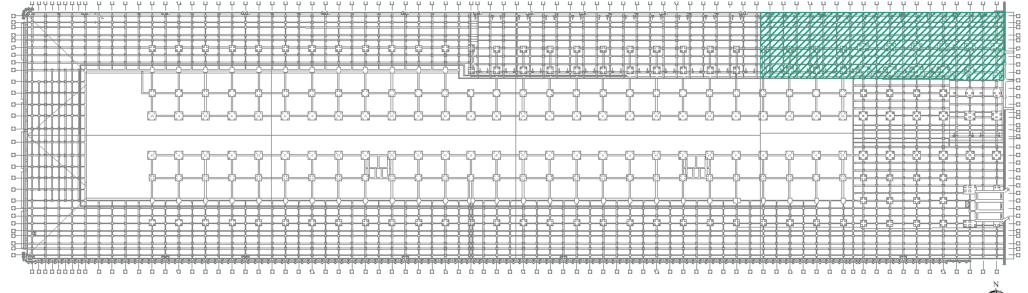
- Sheet Pile Wall Repair 11 locations
- Curtain Wall Repair 34 locations



2024-2026

Surface Repairs at Navy Pier ** \$0.9M-1.2M *

NOTE: Scope of Work is preliminary and will be finalized and confirmed in a future Preliminary Engineering Report.



- **Deck Repair**
- Parking Space Improvement

- Conduit & Conduit Support Repairs
- **Pipe Support Repairs**



Structural Repairs to Navy Pier

Noemi Aquino, Engineering-Construction



Project Background

FY2016-2017

FY2017-2018

FY2018-2019

- Budgeted for design
- CDP application

- CDP approval
- Bid advertisement

- Budgeted for construction
- Pending contract award



Existing Timber Fender System







Missing fender piles



Rotten timber fender piles

□ Project will remove and dispose of existing west end timber fender system and install 250 linear feet of fiberglass fenders.



Existing Pier Underdeck



Major loss in cross-sectional area



Severe corrosion of reinforcing steel



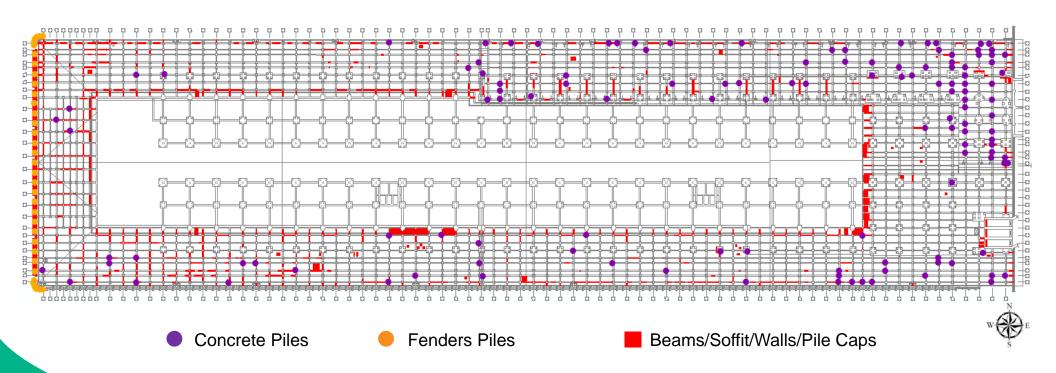
Major corrosion of reinforcing steel

☐ Project will repair concrete damages to structural elements such as piles, piles caps, beams and soffits with approximately 2,780 cubic feet of concrete.



Project Purpose

- Mitigate further concrete deterioration
- Maintain the pier's structural serviceability





Thank you!



Navy Pier Head House

