Promenade over FDR
East 81st St-East 90th St
Borough of Manhattan

CB 8 Transportation and Parks Committees
Project Briefing
June 10, 2021
Agenda

- Project Overview and Challenges
- State of Good Repair Scope of Work
- Construction Impacts Monitoring & Mitigation
- Project Schedule and Cost
- Community Outreach
Project Challenges

• Working at Promenade Level:
  • Proximity of work to private residences
  • Maintaining pedestrian use of the Promenade
  • Mitigating construction noise and dust

• Repairs at Roadway Level Below the Promenade:
  • Majority of work needs to be performed overnight
  • Limited space is available in work zone
  • Limited working hours permitted on FDR Drive roadway
  • Working near residences from E 81st St to E 84th St
  • Mitigating construction noise
Project Limits

E81st Street (Southern Limit)

E84th Street

E90th Street (Northern Limit)

Gracie Mansion

FDR Drive

Brearley School

Carl Schurz Park

Promenade over FDR East 81st St – East 90th St
Structure Jurisdiction

Upper Level Promenade/John Finley Walk (NYC) – Original 1939 Structure

Pedestrian Ramp (NYC DDC) Recently Constructed

Lower Level Roadway (NB FDR - NYSDOT) Reconstructed in 1985

Mezzanine Level Roadway (SB FDR - NYSDOT) Reconstructed in 1990
Existing Promenade Structural Conditions

• Promenade is 80 years old without any major rehabilitation

• Field inspection indicated that large portions of the structure are in poor condition (spalls, hollow areas, etc.)

• Joint leakage and overhead concrete spalling above roadway is a particular concern
State of Good Repair Scope of Work Summary

- Focused Localized Repair on the Underside of Deck, Girders and Walls
- Replace Expansion Joints
  - Provide an ADA-Compliant Detail for Joints in Walkway
- Replace All Pavers Including Waterproofing
- Cleaning and Localized Repair of Drainage System
- Repair of Spalls on Parapet at Railing Base
- Full Replacement of Pedestrian Railing
- Install ADA ramp at 83rd Street
- Removal of Gates and Transverse Fence at Two Locations
- Replace Existing Benches
- Replace Light Poles
Localized Structural Repairs

- Focused localized repair of specific conditions on underside of deck, walls, and concrete girders
- Work requires traffic lane restrictions at southbound and northbound roadways
Promenade Level – Joints, Pavers & Drainage

- Replace leaking joints to slow deterioration and prevent ice formation over roadways
- Replace pavers
  - Mitigate ponding
  - Eliminate uneven walking surfaces
- Clean drainage system
- Localized replacement of drainage inlets
ADA-Compliant Upgrades

- New expansion joints to include ADA-Compliant cover plates
- Paver replacement will eliminate uneven walking surfaces
- Installation of ADA ramp at East 83rd Street
• Railing does not meet current safety standards

• New railing to be of similar style as existing but will meet current standards for cyclists and pedestrians

• New railing will be 3’-6” above top of curb/parapet (4’-6” minimum total height)

• Concrete curb/parapet to be repaired as needed

General View Looking North

Railing (West Fascia) 3’-10” Total Height

Searail (East Fascia) 3’-10” Total Height
Promenade Level – Existing Gate Removals

Remove Deteriorated Transverse Fence and Gate at Two Locations
Promenade Level – Bench & Lighting Replacement

**Replace Benches**

- Promenade over FDR East 81st St – East 90th St

**Replace Lighting**

- South of 84th St
- North of 84th St
Promenade over FDR East 81st St – East 90th St

Promenade Level Preliminary Work Zone Segments

SEGMENT 1
SEGMENT 2
SEGMENT 3
SEGMENT 4
Park Pedestrian Access – Segment 1

Approximate Duration: 8-10 Months

Promenade over FDR East 81st St – East 90th St
Park Pedestrian Access – Optional Segment 1B

- Promenade over FDR East 81st St – East 90th St

- PEDESTRIAN DETOUR ROUTE

- EAST END AVENUE

- E 81ST ST

- E 82ND ST

- E 83RD ST

- GRACIE SQUARE

- CARL SCHURZ PARK

- SEGMENT 1B
Park Pedestrian Access – Segment 2

Approximate Duration: 7-9 Months

Promenade over FDR East 81st St – East 90th St
Park Pedestrian Access – Segment 3

Approximate Duration: 8-10 Months

Promenade over FDR East 81st St – East 90th St
Park Pedestrian Access – Segment 4

Approximate Duration: 3-5 Months
Note: Segment 4 may be done concurrently with other segments

Promenade over FDR East 81st St – East 90th St
Noise Monitoring & Mitigation

- Noise and environmental air monitoring by third-party contractor
- Sound blankets and barriers to enclose noisy equipment
- Hand-Held Chipping Hammers
- Both high frequency and low frequency (vibration) noise will be mitigated with these techniques
Dust Mitigation

- Wetting Techniques for Dust Control
- Hand-Held Chipping Hammers
<table>
<thead>
<tr>
<th>Event</th>
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<tr>
<td>Final Design</td>
<td>December 2021</td>
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<tr>
<td>Bid Opening</td>
<td>December 2023</td>
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<td>Construction Begins</td>
<td>June 2024</td>
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<td>Anticipated Construction Completion</td>
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- Anticipated Investment for State of Good Repair: $70M - $80M
A full-time community liaison will be assigned to coordinate with:
  - Community Board 8
  - Elected Officials
  - First Responders
  - NYCDPR

Communications to be done via:
  - Public Information Meetings
  - Newsletters (Digital & Flyers)

Contact database will be provided to the community
Thank You!

Questions?