1. Introduction

2. Project Update

3. Alternatives Comparison

4. Next Steps

5. Questions and Answers
Project Update
Summary of January 29, 2008 Meeting

Reconstruction / Replacement of the Crane Road Bridge

Alternatives Identified for Environmental Analyses / Documentation

- No Build
- Alternative A
  - Alternative #1
  - (Bridge Reconstruction)
- Alternative B
  - Alternative #3
  - (Bridge Replacement)
- Alternative C
  - Alternative #4
  - (Bridge Replacement)
Existing Parkway Conditions

Reconstruction / Replacement of the Crane Road Bridge

[Map and diagram of the area showing existing conditions and bridge layout.]
Alternative A - Bridge Reconstruction

Reconstruction / Replacement of the Crane Road Bridge

- 4 LANE TEMPORARY MPT BRIDGE
- EXISTING BRIDGE RECONSTRUCTED IN PLACE
Alternative B – Bridge Replacement

Reconstruction / Replacement of the Crane Road Bridge

- 4 LANE TEMPORARY MPT BRIDGE
- EXISTING BRIDGE DEMOLISHED
- NEW BRIDGE CONSTRUCTED
Alternative C – Bridge Replacement

Reconstruction / Replacement of the Crane Road Bridge

- 4 TRAVEL LANES MAINTAINED ON EXISTING BRIDGE
- NEW PARALLEL BRIDGE CONSTRUCTED
- EXISTING BRIDGE DEMOLISHED
On-Going Coordination / Outreach

Reconstruction / Replacement of the Crane Road Bridge

- Metro-North Railroad – (April 3, 2008)
- Village of Scarsdale – (February 15 & April 10, 2008)
- Town of Greenburgh – (April 18, 2008)
- NYSDOT – (May 13, 2008)
Alternatives Comparison
Environmental Issues Considered

Reconstruction / Replacement of the Crane Road Bridge

- Regional and Community Growth
- Conservation/Preservation
- Surface Water Quality
- Archaeological Resources
- Historic Resources
- Parks and Recreational Facilities
- Socioeconomic Conditions
- Air Quality
- Noise
- Traffic
- Hazardous Waste/Contaminated Materials
Environmental Baseline Surveys

Reconstruction / Replacement of the Crane Road Bridge

- Archaeology
- Historic Resources
- Wetlands
- Floodplain
- Vegetation & Wildlife
- Contaminated Materials Screening
- Noise Monitoring
Archaeology

Reconstruction / Replacement of the Crane Road Bridge

- Phase Ia Investigation
- Phase Ib Investigation
Historic Resources

Reconstruction / Replacement of the Crane Road Bridge

KEY:

A. Bronx River Parkway Reservation Historic District (BRPR HD - NR listed)
B. Contributing Bridges (BRPR HD)
C. Vicinity of other contributing features (BRPR HD).
D. Scarsdale Railroad Station (NR listed)
E. Scarsdale Post Office (NR listed)
F. Scarsdale Village Center Historic Dist. (NR Eligible)
G. Edgemont Historic District (NR Eligible)
H. Scarsdale Chateaux (Potentially NR Eligible)
I. BPR Bridge over Bronx River (BIN 3348779 - Individually NR Eligible)

- Blue: Area of Potential Effects
- Orange: NR Property Boundary
- Yellow: NR Eligible Property Boundary
- Red: NR-listed Property
- Triangle: Contributing Element in NR-listed District
- Square: NR-eligible Property/District
- Stripes: Potentially NR-eligible Property

Project Area
Boundaries of APE
Wetlands

• Bronx River – a USFWS mapped open water wetland
• Anvil-shaped sediment bar south of bridge
• No State-mapped jurisdictional wetlands
• Bronx River 100-year Floodplain
• Floodplain elevation ~ 140
• Bridge deck elev. 152 - 164
• Floodplain within BRPR
Vegetation

Reconstruction / Replacement of the Crane Road Bridge

• No Threatened or Endangered Species
• Native and Invasive Species Identified
• Tree Survey Identified >200 Large (> 6 in. diameter) Trees
Wildlife & Aquatic Species

Reconstruction / Replacement of the Crane Road Bridge

• No threatened or endangered species identified

• Aquatic

  • No threatened or endangered fish species
  • Benthic community typical of already impacted waters
• Research and Reconnaissance for:
  • Asbestos Containing Material (ACM)
  • Contaminated Soil or Groundwater
  • Lead Based Paint
• Sampling will be performed during construction
• Abatement, if necessary, will be completed
Noise Monitoring

Reconstruction / Replacement of the Crane Road Bridge

- Leaf-off conditions
- 24-hour period
- East of Parkway
- West of Parkway
- Within BRPR
Elevated Noise Levels (>66 dBA standard) at:

- East of Bronx River North of Crane Rd Bridge
- North of Crane Road East of Bronx River Parkway
- South of Crane Rd Bridge West of Bronx River Parkway
• Conservation and Preservation
  • Fish and Benthic
    • Some loss of benthic habitat from piers
  • Wetlands
    • No impacts anticipated
Environmental Screening Results

Reconstruction / Replacement of the Crane Road Bridge

• Vegetation – Alternative A
Environmental Screening Results

Reconstruction / Replacement of the Crane Road Bridge

Vegetation – Alternative B
Vegetation – Temporary Bridge
### Vegetation – Comparison of Alternatives

<table>
<thead>
<tr>
<th></th>
<th>Alternative A</th>
<th>Alternative B</th>
<th>Alternative C</th>
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<tbody>
<tr>
<td><strong>Permanent Bridge</strong></td>
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<td><strong>Temporary Bridge</strong></td>
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</table>
Minor increase (+/- 2 in.) in 100-year floodplain under all alternatives
Floodplain impacts limited to BRPR
No impacts on pedestrian/bicycle path
Environmental Screening Results

Reconstruction / Replacement of the Crane Road Bridge

- Surface Water Quality
  - Sampling shows DO, pH meet standards
  - Analyses show no harmful effects on biota
- Archaeological Resources – No impacts from alternatives
- Historic Resources
- Visual Resources
- Parks & Recreational Facilities
Environmental Screening Results

Reconstruction / Replacement of the Crane Road Bridge

Social Conditions

• Continued vehicular access to/from BRP under Alts A, B, & C

• Potential for improved pedestrian access with Alts A, B, C

• Public Safety
  • Alternative A - Slight improvements
  • Alternatives B & C - Significant improvements
Economic Conditions

• No Build - adverse impacts in future closure of BRP
• CBD & region benefit under Alts A, B & C from ongoing access
• Alts A, B & C generate temporary jobs during construction
• Traffic on Bronx River Parkway

  • Improved safety under Alts A, B & C

  • During construction:

    • Temporary bridge (Alts A&B) maintains traffic

    • Alternative C – traffic uses existing bridge
### Environmental Screening Results

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<tr>
<th>Receiver Id</th>
<th>Alt A 2012</th>
<th>Alt A 2042</th>
<th>Alt B 2012</th>
<th>Alt B 2042</th>
<th>Alt C 2012</th>
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- **Air Quality**
  - No significant impacts
- **Noise**
- **Modeling completed using FHWA TNM**
- **All Alternatives similar**
# Environmental Screening Results

## Reconstruction / Replacement of the Crane Road Bridge

### Summary

<table>
<thead>
<tr>
<th>Environmental Issues</th>
<th>No Build</th>
<th>Alt A</th>
<th>Alt B</th>
<th>Alt C</th>
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- ○ Neutral
- ☢ Minor/Moderate Impact
- Large Impact
- ☢ Minor/Moderate Benefit
- ☢ Significant Benefit
## Summary

<table>
<thead>
<tr>
<th>Environmental Issues</th>
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<th>Alt B</th>
<th>Alt C</th>
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# Environmental Screening Results

Reconstruction / Replacement of the Crane Road Bridge

## Summary

<table>
<thead>
<tr>
<th>Other Factors</th>
<th>No Build</th>
<th>Alt A</th>
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<td><strong>Traffic</strong></td>
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Next Steps
Next Steps (Spring – Fall 2008)

Reconstruction / Replacement of the Crane Road Bridge

• Continued Agency Consultation
  • NYSDOT/FHWA, NYS SHPO, Metro North
  • Village of Scarsdale, Town of Greenburgh

• Preparation of Design Approval Document

• Agency Review & Comment on Engineering & Environmental Considerations

• Final Public Information Meeting