Replacement of THE CRANE ROAD BRIDGE

June 8, 2011
Existing Conditions
Existing Parkway Conditions

Replacement of the Crane Road Bridge

GREENBURGH

SCARSDALE

CRANE RD.

POPHAM RD.

SEWER

WATER MAIN

SCARSDALE STATION

EXISTING BRIDGE

SB

NB
Replacement of the Crane Road Bridge

Existing Structural Conditions

- Historically Significant Bridge Designed by Delano & Aldrich Architects & Constructed in 1924

- Bridge is in Poor Condition

- Requires Extensive Reconstruction or Replacement
Existing Structural Conditions

Replacement of the Crane Road Bridge

- Bridge Designed by Delano & Aldrich Architects & Constructed in 1924
- Bridge is in Poor Condition
- Non-Standard Vertical Clearance over Railroad
- Outdated Bridge Type
Existing Structural Conditions

Replacement of the Crane Road Bridge

- On-Going Deck Repairs / Rehabilitation (2007 – Present)
- Temporary Repairs to Maintain Traffic
- Short Term Lane Closures
- Costly
Preferred Alternative
Alternative C – Plan

Replacement of the Crane Road Bridge

- 4 TRAVEL LANES MAINTAINED ON EXISTING BRIDGE
- NEW PARALLEL BRIDGE CONSTRUCTED
- EXISTING BRIDGE DEMOLISHED
Preferred Alternative

Replacement of the Crane Road Bridge

•Eliminates Structural Deficiencies in the Bridges
•Improves Traffic Operation and Safety Deficiencies
•Maintains Traffic on Parkway
•Enhances Pedestrian Access to BRPR & SB Metro-North Train Platform

•Construction Duration – 33 Months
•Cost - $46,000,000
Alternative C – Rendering – Elevation View
Replacement of the Crane Road Bridge
Design and Construction Schedule

Replacement of the Crane Road Bridge

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<td>Final Design (PS&amp;E) / Permitting</td>
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Next Steps