PUBLIC INFORMATION MEETING
Ravensdale Road over the Saw Mill River Parkway Bridge Project
PIN 8754.76

October 1, 2018
Agenda

- Introductions
- Project Background
- Project Objectives
- Project Limits
- Off-site Detour/Staged Construction
- Pedestrian Access
- Barrier and Fence
- Costs
- Schedule
Introductions/Project Team

- NYSDOT
- Lochner Engineering, PC
  - Hudson Valley Engineering Associates
  - Foit-Albert Associates
Project Background

- Bridge constructed in 1946
- Project initiated in 2007
- Bridge in need of repair/replacement
Project Background

First span facing north
Project Background

Second span over the South County Trailway facing north
Project Background - Existing Bridge Condition

- Photo Number: 2, Photo Filename: 16_02_Begin Abutment Under Bay 2 JPG
- Photo Number: 6, Photo Filename: 16_06_Begin Abutment Bay 7 JPG
- Photo Number: 7, Photo Filename: 16_07_Begin Abutment from Right JPG

08/10/2016
Project Background – Existing Bridge Condition

Bridge Deck

Bridge Girder
Project Objectives

- Provide a safe crossing with no structural deficiencies with a design life of at least 75 years
- Maintain traffic during construction with minimal delays
- Restore pavement to good condition and ride-ability
Project Location

RAVENSDALE BRIDGE PROJECT
Alternatives

- Null Alternative – No Build
- Bridge Rehabilitation Alternative
- Bridge Replacement Alternative
Null Alternative

- This alternative will continue to maintain the existing structure.
- No major repairs or improvements are proposed for this alternative.
- Existing inadequate structure and existing conditions would remain
Bridge Rehabilitation Alternative

- This alternative will replace the deck of the bridge, repair the existing concrete abutments and pier, and replace the existing bridge bearings.
- This alternative will not address all of the project objectives.
- This alternative will take longer to construct resulting in a longer impact to the travelling public.
Bridge Replacement Alternative

- This alternative will remove and replace the entire bridge structure.
- Ravensdale road will be closed during construction in order to minimize the duration of the inconvenience to the travelling public and the residents of the community.
  - Traffic will be detoured around the project.
  - A temporary pedestrian bridge will be provided during construction.
Typical Sections

**Typical Road Section**

- Sidewalk: 5'
- Shoulder: 6'
- Travel Lane: 11'
- Median: 0 to 12'
- Travel Lane: 11'
- Shoulder: 6'

**Typical Bridge Section**

- Sidewalk: 5'
- Shoulder: 6'
- Travel Lane: 11'
- Travel Lane: 11'
- Shoulder: 6'
- Sidewalk: 5'
Ravensdale Planimetric

Ravensdale Road over Saw Mill River Road
Village of Hastings-On-Hudson, Town of Greenburgh
Full Bridge Reconstruction
Off-Site Detour (Ravensdale Closure) vs. Staged Construction

- Evaluated both scenarios
- With Ravensdale closure, anticipate 4-6 month construction duration
- With staged construction, anticipate 12-18 month construction duration with a winter shutdown
  - Long delays with alternating one way traffic operations
- Pedestrian access will be provided for either scenario
  - A temporary bridge for pedestrians would be used for the Ravensdale closure option.
Staged Construction Duration: 12-18 Months
Staged Construction
Potential Detour Routes

RAVENSDALE ROAD DETOUR FOR NORTHBOUND DESTINATIONS

LEGEND
EXISTING NB (2.80 Mi)
DETOUR NB (2.74 Mi)
DETOUR NHR (2.81 Mi)

Full Closure Duration: 4-6 Months
Potential Detour Routes

Full Closure Duration: 4-6 Months
Staged Construction Option was Dropped

- Construction duration 6 to 12 months longer
- Longer disturbance within the community
- More complicated construction techniques required
- Increased safety concerns
South County Trailway

- Trail will remain open throughout construction
- Limited short-term closures during critical operations
  - Demolition
  - Steel Erection
Texas Aesthetic Barrier with Fence

Bridge Street over Metro North Railroad
New Hamburg, Dutchess County, NY
Texas Aesthetic Barrier with Fence
## Preliminary Alternative Estimated Cost

<table>
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<tr>
<th>Alternative</th>
<th>Project Cost</th>
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<tr>
<td>Null Alternative</td>
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<td>Rehabilitation Alternative</td>
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<td>ROW Acquisition Complete</td>
<td>April 2019</td>
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<td>Final Plans, Specifications &amp; Estimate</td>
<td>May 2019</td>
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<td>July 2019</td>
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Questions?
Information or Written Comments
Contact:

Paul Tirums, NYSDOT Regional Structures Engineer
4 Burnett Boulevard
Poughkeepsie, NY 12603
(845) 431-7915