Public Information Webinar

Replacement of the Sound Beach Avenue Bridge over Cider Mill Brook

Town of Greenwich
Department of Public Works, Engineering Division

May 1, 2020
Project Purpose
Bridge Replacement
Sound Beach Avenue Bridge
(Bridge No. 03954)

Routine & Underwater Inspection:
Superstructure Rating of 4
(Poor Condition)
6/15/2011
6/11/2013
6/10/2015
6/01/2017
4/10/2019
Existing Conditions - Section View

Existing Bridge Section

- Sidewalk to be relocated to the interior
- Exterior stone walls to be 3'-6" high from sidewalk instead of 2' (ADA compliant)

Existing Bridge Profile

- Bridge parapet ends to be curved instead of blunt ends
- Center pier to be eliminated
- Debris to be removed
Legend:
- Limit of roadway work
- Green line: Location of relocated sewer line
- Orange line: Location of relocated drainage line
- Blue line: Location of relocated water line
- Yellow line: Location of relocated gas line
Proposed Conditions
Guiderail versus Curved Masonry End Wall

Legend:
- Limits of Metal Guiderail
- Limits of Curved Masonry End Wall
Proposed Conditions - Section View

- Proposed Bridge Section
  - Sidewalk on the interior
  - Exterior stone walls to be 3'-6" high from sidewalk
  - Relocated water main on the exterior
  - Relocated gas main on the exterior

- Proposed Bridge Profile
  - Curved end walls
  - Unrestricted hydraulic opening
Grading:

Legend:
- - - - Bridge Area
--- - Limit of regrading
- - Area of regrading

*No trees to be affected*
* Base Flood Elevation = 11’
Flooding Impacts/Improvements

- FECB priority project #1 - Cider Mill Brook near Binney Park

- Based on the 2018 MI decision, Sound Beach Ave. road raising has been removed

- The raising of the bridge and the removal of center pier will provide minor hydraulic benefits at the bridge only.

- **This project does not address flooding/emergency accessibility to Old Greenwich**
Landscape Restoration:

Additional Plantings

- 7 trees
- 54 shrubs
- 120 plantings
Detour Route
Permits Required:

1. U.S. Army Corps of Engineers (ACOE):
   • Self Verification Notification (SVN)

2. Town of Greenwich Inland Wetlands and Watercourse Agency
   • Permit IWWA

3. Connecticut Department of Energy and Environmental Protection (DEEP),
   • CTDEEP 401 Water Quality Permit
   • CTDEEP OLISP Permit
Project Schedule & Construction Cost

- Total Estimated Construction Cost
  - Approximately $3.5 Million

- Anticipated Schedule
  - Complete Permitting and Final Design: Summer 2020
  - Advertise for Bid: Fall 2020
  - Begin Construction: Fall 2020
  - Complete Construction: Fall 2021
Thank you...

Questions/Comments

Please visit the Project information web page at: www.greenwichct.gov/1606/Sound-Beach-Avenue-Bridge-No-03954

Frequently Asked Questions and Answers: https://www.greenwichct.gov/DocumentCenter/View/14946/Sound_Beach_Bridge_FAQ_20_4_20-PDF

Please fill out the following survey if you have any additional questions: https://www.surveymonkey.com/r/PLRZB9H