Planning & Zoning Site Plan Application
for
Alterations or Improvements
to a Scenic Road

Replacement of the Wesskum Wood Road Bridge
over Binney Park Brook
Bridge No. 056-019

Town of Greenwich
Department of Public Works, Engineering Division

December 15, 2020
Binney Park Scenic Loop

- September 9, 2020 Planning and Zoning approved the Loop
- Loop includes portions Sound Beach Ave, Wesskum Wood Rd, & Arch St.
- Sec. 11-13 – “Town shall maintain scenic roads in good and sufficient repair”

  Any alteration or improvement shall be made so as to minimize any adverse impact on the scenic character of the road.

- Look and feel of bridge will be maintained within safety requirements
Existing Conditions

Existing Bridge: Concrete Structure with Stone Facing

Wesskum Wood Rd 1040 veh/day

Existing Sidewalk

Binney Park

Binney Pond
Purpose & Need

Replacement of the Wesskum Wood Road Bridge Over Binney Park Brook

Why This Project?

• Primary – Recommended for replacement by the most recent Bridge Inspection
  
  o Secondary – Safety improvements for motorists and pedestrians
Existing Conditions

- Superstructure Condition Rating = “4” (poor)
- Most recent bridge inspection recommended for replacement, confirmed by subsequent investigations by Stantec.
Other Project Considerations

- Binney Park Scenic Loop - maintaining aesthetic and historic appeal of the bridge
- Environmental permitting and Town approvals
- Avoiding private property impacts
- Construction approach / sequencing and traffic control
Renderings – End Wall Treatments

a. Curved end walls to avoid “snagging” hazard OR
b. Straight end walls with weathering steel guiderail

Option “a” (preferred)  Option “b”
Proposed Elevation
Proposed Plan
Bridge Sections

Exterior stone walls to be 3'-6" high from surface

Sidewalk on the south interior
Proposed Section

Curved end walls
Planting Plan

**Plant List**

<table>
<thead>
<tr>
<th>KEY</th>
<th>QTY</th>
<th>BOTANICAL NAME</th>
<th>COMMON NAME</th>
<th>SIZE</th>
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<tbody>
<tr>
<td>MV</td>
<td>5</td>
<td>Magnolia virginiana</td>
<td>SWEETBAY MAGNOLIA</td>
<td>2.5&quot;-3&quot; CAL. B&amp;B</td>
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<tr>
<td>LL</td>
<td>2</td>
<td>Larix laricina</td>
<td>TAMARACK</td>
<td>5'x6' HT. B&amp;B</td>
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<tr>
<td>GB</td>
<td>2</td>
<td>Quercus bicolor</td>
<td>SWAMP WHITE OAK</td>
<td>2.5&quot;-3&quot; CAL. B&amp;B</td>
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<tr>
<td>MG</td>
<td>1</td>
<td>Metasequoia glyptostroboides</td>
<td>DAWN REDWOOD</td>
<td>5'x6' HT. B&amp;B</td>
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Proposed Changes from Existing

1. Addition of Sidewalk at the South Side
   a. Continuation of sidewalk at southeast
   b. Connect to a future sidewalk at southwest

2. Pavement Width (from ±20 feet to 26 feet)
   a. Meet guidelines to provide area for cyclists/joggers

3. Taller Parapets
   a. Increase from ±29” existing to 42” proposed
   b. Bridge design requirement for safe railing height

4. End Wall Treatments
   a. Curved end walls to avoid “snagging” hazard
Tentative Project Schedule

- Anticipated Project Schedule (pending CIP funding)
  - Semi-Final Design – February 2021
  - Final Design – Summer 2021
  - Submit Permits – late Summer 2021
  - Advertise Construction to Bid – Spring 2022
  - Start Construction – Summer 2022
  - Complete Construction – Winter 2022/2023
Questions/ Recommendations??