

#19, STRUCTURAL DECK REPLACEMENT 3 BRIDGES: TOWN OF NEW SCOTLAND

<p>LOCATION: Bridges at Plank Rd, Onesquethaw Creek Rd & Rowe Rd</p> <p>DESCRIPTION: Bridge deck replacements from beginning to the end of the abutments</p> <p>CATEGORY: Bridge</p> <p>COST: \$0.46 M LIFE: 50 Years</p> <p>SPONSOR: Town of New Scotland</p> <p>CURRENT CONDITION: Plank (BIN 3301340): Fed Rating: 67.4, State Rating: 5.323; Onesquethaw Creek (BIN 3301310): Fed Rating: 72, State Rating: 4.625; Rowe (BIN 3301300): Fed Rating: 62, State Rating: 5.393</p> <p>FUNCTIONAL CLASS: Rural local</p> <p>AADT: Plank: 50, Onesquethaw: 150, Rowe: 218</p> <p>ON PRIORITY NETWORK(S): None</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>BENEFIT/COST RATIO</td> <td style="text-align: right;">28.3</td> </tr> <tr> <td>TOTAL BENEFITS (\$k/yr)</td> <td style="text-align: right;">\$822</td> </tr> <tr> <td>SAFETY</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>TRAVEL TIME</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>OPERATING/ENERGY*</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>ENERGY/USER</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>LIFE CYCLE VALUE</td> <td style="text-align: right;">\$822</td> </tr> <tr> <td>OTHER</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>ANNUALIZED COST (\$k/yr)</td> <td style="text-align: right;">\$29</td> </tr> </table> <p style="font-size: small;">*includes gasoline usage and ownership costs</p>	BENEFIT/COST RATIO	28.3	TOTAL BENEFITS (\$k/yr)	\$822	SAFETY	\$0	TRAVEL TIME	\$0	OPERATING/ENERGY*	\$0	ENERGY/USER	\$0	LIFE CYCLE VALUE	\$822	OTHER	\$0	ANNUALIZED COST (\$k/yr)	\$29
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CONGESTION RELIEF: No measurable reductions in excess delay or VMT.

AIR QUALITY BENEFIT: No measurable reductions in volatile organic compounds or NOx.

ENVIRONMENTAL MITIGATION: Within 0.25 miles of several water features, 100 year Flood Plain, an aquifer, a wetland, a National Register Historic District, several farmland taxed parcels, several ag districts and Class 1&2 Soils

REGIONAL SYSTEM LINKAGE: Project would maintain bridges for which there are few alternatives and would keep open links to school districts.

LAND USE COMPATIBILITY (PLANNED OR EXISTING): N/A

CONTRIBUTION TO COMMUNITY OR ECONOMIC DEVELOPMENT: Would support agricultural and other rural businesses.

ENVIRONMENTAL JUSTICE: N/A

BUSINESS OR HOUSING DISLOCATIONS: None. ROW is not needed.

<p>FACILITATES:</p> <p>BICYCLING – Not directly</p> <p>WALKING – Not directly</p>	<p>TRANSIT USE – N/A</p> <p>GOODS MOVEMENT – N/A</p> <p>INTERMODAL TRANSFERS – N/A</p>
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SPONSOR PRIORITY: High

SCREENING ISSUES: Qualifies for HBRR Bridge Preservation.

OTHER CONSIDERATIONS: Existing decks on all three bridges are experiencing punch through failures. AADT's are low but bridges are good candidates considering the type of bridge deck and the potential for increased deck repairs.