APPOMATTOX RIVER WATER AUTHORITY
RESERVOIR BRIDGE ANALYSIS
BOARD PRESENTATION

September 25, 2014

Namozine Creek Bridge

Whipponock Creek Bridge
Raising Brasfield Dam 18”

Affects Whipponock Creek Bridge and Namozine Creek Bridge on State Route 623 (Sutherland Road)

Raise bridges and approach to allow for continual watercraft navigation when water level is raised 18”
WHIPPONOCK CREEK & NAMOZINE CREEK BRIDGES:

- VDOT Ownership
- Bridges are of similar design – single span, concrete abutments, steel girders, and wood decking overlaid by asphalt
- Bridges are part of the VDOT National Bridge Inspection System (NBIS)
  - VDOT indicates no work has been funded for these bridges in the current 6-year program
  - If it could be funded, it would be preventive maintenance type activities to prevent structural deficiencies
WHIPPONOCK CREEK & NAMOZINE CREEK BRIDGES:

- Bridge conditions based on site inspection, include –
  - Wood decking with asphalt overlay – Wood is in fair to poor condition
  - Steel girders are rusting in need of paint
  - Concrete abutments are cracking
  - Bridges can be characterized as in poor condition
WHIPPONOCK CREEK & NAMOZINE CREEK BRIDGES:

- VDOT indicates a Sufficiency Index Rating of 5 out of 10
- Not slated for replacement

Estimated Project Cost

<table>
<thead>
<tr>
<th>Bridge</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td>Whipponock Creek Bridge</td>
<td>$3,060,000</td>
</tr>
<tr>
<td>Namozine Creek Bridge</td>
<td>$2,990,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$6,050,000</strong></td>
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</tbody>
</table>
Local Government Sponsor

Funded all Revenue Sharing Project last year

Sharing Cost 50/50

6 Year Plan
APPOMATTOX RIVER WATER AUTHORITY
RESERVOIR BRIDGE ANALYSIS
BOARD PRESENTATION
QUESTIONS

September 25, 2014

www.wwassociates.net