US 29 PEDESTRIAN AND BIKE BRIDGE

November 2, 2016
6:30 Introduction and Purpose
6:40 Presentation on options
7:10 Question and answers
7:40 Review of boards with staff/consultants

Feedback:
Presentation on line November 3, Office of Transportation website
Tonight in person, comment cards, or E-mail to: dcookson@howardcountymd.gov
By November 14, 2016
Fiscal 2017 Capital Budget
Project: B3863-FY2013 DOWNTOWN COLUMBIA-OAKLAND MILLS CONNECTION IMPROVEMENTS

Description: A project to provide a feasibility study, design and construction of enhancements to existing and potential future connections over US29.

Operating Budget Impact:
Annual Bond Redemption $42,700

Howard County Maryland
Approved Capital Budget
Fiscal Year 2017
Allan H. Kittleman, County Executive
BRIDGE LOCATION
**Description**

Six span bridge

Single steel box girder system

Concrete deck

679 feet length

**Condition**

Deck in good condition

Parapet coating peeling in spots

Girder is in very good condition. Painted within 3 years

Substructure in very good condition
EXISTING APPROACHES
EXISTING APPROACHES
ALTERNATES

1. Replace Fencing

1A. Replace Fencing and Cage

2. Geodesic Tube with Spiral

3. Space Frame
ALTERNATE 1A – REPLACE FENCING AND CAGE
ALTERNATE 2 GEODESIC TUBE WITH SPIRAL
ALTERNATE 2
GEODESIC TUBE
WITH SPIRAL
ALTERNATE 2
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<table>
<thead>
<tr>
<th>Alternate No./Description</th>
<th>Bridge Retrofit Cost</th>
<th>Lighting</th>
<th>‘Columbia’ letters each side of bridge</th>
<th>Fiber Optic Cost for Cameras</th>
<th>Anti-Graffiti Coating (inside parapets only)</th>
<th>Engineering/Design and Contingency (25%)</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td>0. No Build</td>
<td>$ ---</td>
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<tr>
<td>1. Replace Fencing</td>
<td>$77,000</td>
<td>$71,000</td>
<td>$82,000</td>
<td>$50,000</td>
<td>$17,250</td>
<td>$75,000</td>
<td>$375,000</td>
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<tr>
<td>1A. Replace Framing and Fencing</td>
<td>$334,000</td>
<td>$94,000</td>
<td>$82,000</td>
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<td>$17,250</td>
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<td>$725,000</td>
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<td>2. Geodesic Tube with Spiral</td>
<td>$734,000</td>
<td>$101,000</td>
<td>$50,000</td>
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<td>$245,000</td>
<td>$305,000</td>
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<td>3. Space Frame</td>
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<td>$108,000</td>
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<td>$17,250</td>
<td>$305,000</td>
<td>$305,000</td>
<td>$1,525,000</td>
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COMMENTS AND FEEDBACK

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• By November 11, 2016