**Existing Conditions**

- Drainage Acres: 50.8
- Impervious Acres: 15.2
- Flood/Water Quality Treatment: 0 / 0%
- TSS Load (lbs/year): 12,945

*General Finding:* The 36 inch pipe enters directly into Big Creek just downstream of the bridge. There is a manhole on private property that would provide access to the pipe.

**Proposed Conditions**

- Existing Storage Volume (ac-ft): 0
- Pretreatment Cell (SF): 5,701
- Proposed Storage Volume (ac-ft): 0.77
- Wetland (SF): 27,807
- Proposed Ohio EPA Water Quality Volume (ac-ft): 100%
- TSS Load Reduction (lbs/year): 10,744
- Quality Volume Met (%): 100%
- TN Load Reduction (lbs/year): 35.4
- Additional Flood Control Volume (ac-ft): 0.06
- TP Load Reduction (lbs/year): 8.7

**Retrofit Description**

- Runoff associated with small storm events will be diverted from an existing pipe into a pretreatment cell, which will allow sediment to fall out of suspension. Water will then meander through a constructed wetland, whose depth will be maintained by a flow control structure that empties into the existing stormwater pipe. Vehicle access will be provided to ensure ease of maintenance.

**Planning Level Cost Estimate**

<table>
<thead>
<tr>
<th>Cost Component</th>
<th>Lower Range</th>
<th>Upper Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Cost</td>
<td>$102,000</td>
<td>$334,000</td>
</tr>
<tr>
<td>Cost per Square Foot</td>
<td>$5.73</td>
<td>$9.08</td>
</tr>
</tbody>
</table>

*Includes probable construction costs, design, survey, permitting, sediment testing, and a 25% contingency.