REMOVAL OF BLACKBERRY CREEK DAM
Agenda
Removing Blackberry Creek Dam

- Where are we going?
- How are we going to get there?
- Who are the players?
- What do we need to get there?
- What are the bumps along the way?
- ARE WE THERE YET?
Where are we going? Here
How are we going to get there?
Recent Sediment Probing

- FIS Channel Bottom
- OWR Surveyed Top of Silt
- Estimated Silt
Previous Corps Plan: Notch and Erode
Sediment Sampling

Soil Boring Location Map

<table>
<thead>
<tr>
<th>Name</th>
<th>POINT X</th>
<th>POINT Y</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1</td>
<td>951776</td>
<td>1812662</td>
<td>0'</td>
</tr>
<tr>
<td>E2</td>
<td>951699</td>
<td>1812376</td>
<td>0'</td>
</tr>
<tr>
<td>E3</td>
<td>951724</td>
<td>1812818</td>
<td>0'</td>
</tr>
<tr>
<td>E4</td>
<td>951609</td>
<td>1812460</td>
<td>0'</td>
</tr>
<tr>
<td>E5</td>
<td>951965</td>
<td>1813777</td>
<td>0'</td>
</tr>
<tr>
<td>E6</td>
<td>952033</td>
<td>1813772</td>
<td>0'</td>
</tr>
<tr>
<td>E7</td>
<td>952233</td>
<td>1813610</td>
<td>10'</td>
</tr>
<tr>
<td>E8</td>
<td>952314</td>
<td>1813068</td>
<td>Refusal</td>
</tr>
<tr>
<td>E9</td>
<td>951965</td>
<td>1813200</td>
<td>Refusal</td>
</tr>
<tr>
<td>E10</td>
<td>951602</td>
<td>1813753</td>
<td>Refusal</td>
</tr>
<tr>
<td>E11</td>
<td>951753</td>
<td>1813950</td>
<td>Refusal</td>
</tr>
</tbody>
</table>
Dam Removal Plan

Remove portion of IDOT structure (cost is included in Masonry Removal and Disposal)

Top of Dam Elev. 581.7

12" Concrete Cap to be removed

IDOT Dam Abutment Structure

Bedrock

Channel Improvement

Stones to be removed from dam and stockpiled on Torrsville-Bristol Sanitary District Property (above Floodplain). Paid for as Masonry Removal and Stockpile. If quality of masonry is poor per Engineer, then stone shall be removed and disposed of (sold for as Masonry Removal and Disposal).

Proposed Channel Bottom Elev. 571.0

45°-90° Channel Bottom Wells

Existing Limestone Dam

Cess Concrete Retaining Wall

Varies

Elev. 584.63

Elev. 566.02

Elev. 566.92

Elev. 585.00
Cross section
Not to scale

- Stream-forming flow
- Baseflow
- Live cutting 1/2 to 1 1/2 inches in diameter
- Streambank
- Erosion control fabric
- Dead stout stake
- 2 to 3 feet (triangular spacing)

Note: Rooted/seeded condition of the living plant material is not representative of the time of installation.
Phase 1 wetland expansion and Wetland Preservation Berm
Phase 1 Wetland Preservation Berm
Phase 1 Mitigation: JC Pond Expansion
Who are the players?

- YBSD
- IDOT
- IHPA
- Corps
- IDNR

Why IDNR?
What do we need to get there?

1. Sponsorship Agreement
2. Project Plan
3. IDOT Bridge Project
4. Permits (Nationwide 27 and Dam Safety).
5. Land Rights: construction and O&M.
6. Funding ($1,000,000 +)
7. Monitoring and maintenance.
What are the bumps along the Road?

- Sediment Disposal
- Weather
- Multiple Contractors
- Time
ARE WE THERE YET???

2012
- May – Completed Phase 1 Construction, Completed Phase 2 Plans and Specs
- August - IDOT Bulletin for Phase 2 work
- September - Phase 2 Bid Letting
- October - Bridge Contractor Installs Bypass Drop Structure During Bridge Replacement work
- November - Begin Phase 2 Construction (End June 2013)
Thank you