Holmes Run/ Chambliss Crossing Study
Public Information Session
March 18, 2009

Purpose of This Study

• Explore possible bike/ pedestrian crossing
Purpose of This Meeting

• Provide information about the project
• Gather input from the public

Meeting Agenda

• Opening Presentation – 15 min.
  - Background/ Purpose
  - Concurrent Studies
  - Coordination
  - Crossing Opportunities
  - Stream Bank Stabilization Opportunities
  - Project Schedule

• Open Q/A – 30 min.
**Previous Studies**

- **Site/ Feasibility Study Holmes Run Multi-use Crossing**  
  (Completed 2002)
  
  - Determined most cost effective and environmentally friendly crossing is a clear span bridge.
  - Clear Span Bridge cost = $155,000 (2002)
  - Fair Weather cost = $167,000 (2002)

**Concurrent Studies**

- **US Army Corps of Engineers Cameron Run/ Holmes Run Watershed Feasibility Study**  
  (on going)
  
  - Lake Barcroft Inundation Mapping Study  
  (underway)
Coordination

- Community Groups and Residents
- City of Alexandria Departments - (Transportation and Environmental Services, Planning, Public Works)
- City of Alexandria Police Department
- Lake Barcroft Water Improvement District
  - Fairfax County Department
  - US Army Corps of Engineers
- VA Department of Environmental Protection
- VA Department of Transportation

Study Boundaries
City-wide Bicycle Network

Fairfax County Bike Map (South)
Crossing Opportunities

Fair Weather Crossing

**Advantages**
- Allows debris to flow over it freely
- Reduces maintenance
- Less visible element in the landscape

**Disadvantages**
- Interrupts natural stream bottom and causes more impact to stream bed
- Requires working in a live stream, increases construction-related risks
- Requires significant grading and bank restoration
- Can become slippery because of algae growth
- Becomes impassable during weather events
- Inadequate for certain users such as elderly, small children, road bikes, and motorbikes
- Damage to aquatic biota and impediment to fish passage

Clear Span Bridge Crossing

**Advantages**
- Allows for continuous crossing in all weather conditions
- Offers access to all user groups
- Causes less impact to the natural stream bed
- Can be an attractive element in the landscape
- Less construction-related risks

**Disadvantages**
- Susceptible to debris flows
- More visible element in the landscape
- Requires stream bank stabilization in area of the crossing
- More costly to construct and maintain

Stream Bank Stabilization

**Images**
**Project Schedule...Next Steps**

- **March 18, 2009** – First Public Information Session
- **March-April** – Study hydrology, stream bank stabilization and crossing alternatives.
- **Mid April** – Second Public Information Session (present more info)
- **Late April** – Refine study findings, crossing alternatives and stream bank stabilization.
- **Mid May** – 3rd Public Information Session
- **May...** – Design Development depending on finding of study.

---

**Holmes Run/ Chambliss Crossing Study**

**Public Information Session**

THANK YOU.
Existing Conditions

• Flood Plain Boundary
Stream bank Erosion

Crime Statistics

<table>
<thead>
<tr>
<th>Crime Type</th>
<th>2006</th>
<th>2007*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Destruction of Property/Graffiti</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Trespassing</td>
<td>4</td>
<td>8</td>
</tr>
<tr>
<td>Drug Offenses Marijuana Possession</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Drunkenness</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>Contributing to Delinquency of a Minor</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Weapon Offense Concealed Weapon</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Liquor Law Violations</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Warrant Service</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>GLA Recovery Out of Town</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Other Criminal Offenses</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
<td><strong>21</strong></td>
</tr>
</tbody>
</table>

* January 1 - November 30, 2007