Bulverde Road at Mud Creek Tributary A

September 27, 2012
• Introductions
• History
• Feedback from March 20, 2012 Community Meeting
  – Why improve this crossing?
  – Downstream flooding?
  – Alternatives to realigning Jung Rd?
  – Traffic analysis?
• Construction Phasing
• Other Considerations
• Schedule
• Q&A
• Why improve this crossing?
• Proposed Roadway Improvements

This image is from the Draft Preliminary Engineering Report prepared by RJ Rivera and submitted on 9/12/2012. Design is subject to change and images are not intended for construction, bidding, or permit purposes.
• Proposed Improvements
Proposed Improvements

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Bulverde Road at Mud Creek Trib. A

• Existing Jung Alignment Alternative

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**Jung Alignment Comparison**

Proposed Jung A
- Const Estimate: **$1.4 Million**
- ROW: **2.1 acres**
- Construction time: **13 months**
- Build temporary detour road
- Impacts live oak tree
- Consolidates 2 conflict points to 1

Existing Jung
- Const Estimate: **$1.7 Million**
- ROW: **1.2 acres**
- Construction time: **19 months**
- Build in phases (single lane traffic)
- Safety issues of skewed intersection
• Traffic Study Findings

Sample Delay Data on Chimney Springs Drive (WB- exiting)

<table>
<thead>
<tr>
<th></th>
<th>AM Peak Hour Period</th>
<th>PM Peak Hour Period</th>
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</thead>
<tbody>
<tr>
<td>Year 2012 (Existing Configuration)</td>
<td>1 min, 30 sec/veh</td>
<td>?</td>
</tr>
<tr>
<td>Year 2015 (Existing Configuration)</td>
<td>5 min, 30sec/veh</td>
<td>?</td>
</tr>
<tr>
<td>Year 2015 (Rec. Alternative)</td>
<td>1 min/veh</td>
<td>?</td>
</tr>
</tbody>
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– Skewed Intersection Issues

• Longer distance to traverse, resulting in increased exposure to cross street traffic
• Drivers may find it difficult to turn their heads, necks, or upper bodies for adequate line of sight at a sharper angle
• Drivers have more difficulty aligning their vehicle into the correct lane
• Lower speeds are required to maneuver around sharper angles
• Traffic Control
  • Phases
    – 1) Build Proposed Jung Realignment & Temporary Detour Road
    – 2) Close Bulverde & Detour Traffic
    – 3) Open Bulverde, close Temporary Detour Road and old Jung Road, build Earthen Channel
• Phase 1: Build Proposed Jung and Temporary Detour Road
• Phase 2: Close Bulverde Rd & Detour Traffic
• Phase 3: Open Bulverde Rd, build Earthen Channel
• Other Considerations
  – Environmental Permitting
    • Waters of the US, US Army Corp of Engineers
    • Threatened and Endangered Species Report
    • Tree Survey
    • Soil Investigation
  – Utility Relocation (SAWS, CPS, Telecoms)
  – Right of Way Acquisition
  – Letter of Map Revision (Floodplain remap after construction)
• Other Considerations

  – Complete traffic study of impacts to Chimney Springs
  – Work with City to review median treatment at Quiet Meadow
• Schedule (Subject to Change)
  – October 2012 to Spring 2013: Preliminary Engineering Phase complete, negotiating Detailed Design Phase
  
  – Spring 2013 to Spring 2014: Detailed Design Phase, Environmental Permitting, Right of Way Acquisition
  
  – Spring 2014: Construction Start
  – Summer 2015: Construction End
Next Steps:
  – Gather your feedback
  – Continue coordination with the City
  – Start Detailed Design Phase
  – Next community meeting in 2013

Please fill out comment sheet

Please visit www.bexarfloodcontrol.org for updates

Questions