Presented to Spring Branch West Super Neighborhood

November 13, 2014

Briar Branch Improvements

TIRZ 17 Redevelopment Authority

Presented by, Gary Struzick, P.E.

Introduction and Background by, Don Huml, TIRZ Executive Director
Disclaimer

All facts and figures are approximate

Everything is preliminary and subject to change

As of November 13, 2014
Agenda

• Background Information
  • Clarey Lane
  • Bunker Hill Bridge
  • Enclosed Channel
• Project Overview
• Engineers Report
• Question and Answer

Briar Branch Detention Basin
Reinvestment Zone Number 17  
City of Houston, Texas  
Memorial City TIRZ

Project Plan  
& Reinvestment Zone Financing Plan

August 11, 1990
Clarey Lane

“The illustrated TIRZ improvements are subject to change per government agency approvals. Any such change will not require a plan amendment.”
Clarey Lane

• Things have changed since 1999.
  • Advent of Interstate 10 expansion.

• There are no Capital Improvement Plans (CIP) for Clarey Lane.
  • TIRZ Capital Improvement Plans require City Council Approval.

• Original depiction was not over the W-140 Channel.

• Harris County Flood Control District (HCFCD) would not allow a road on top of their drainage system.

TIRZ 17 HAS NO PLANS TO BUILD CLAREY LANE
Bunker Hill Bridge

- TIRZ Board Authorized Klotz Associates to conduct Feasibility Assessment
- TIRZ Board Committed to do the right thing about the bridge
- Based on Assessment Facts
  - Leave the Bridge
  - Modify the Bridge
  - Replace the Bridge

Technical Memo 10-19-11
Enclosed Channel

• Presented five options to Harris County Flood Control (HCFCD)
• HCFCD endorsed enclosed channel
  • Safety
  • Maintenance
  • Right of way constraints

Alt E: Storm Sewer Box Enclosure
Briar Branch Improvements
Engineers Report

Presented by, Gary Struzick, P.E.
Briar Branch Channel Improvements Overview

- $14 million infrastructure project
- 18 month construction schedule
- 10 year flood event design
- Helps prevent area structural flooding
- +/- 5800 LF new channel construction
- Extends from Gessner to basin
- Future Linear Park
- 100% Funded by TIRZ 17
## Briar Branch Channel Improvements

### Estimated Timeline

<table>
<thead>
<tr>
<th>ID</th>
<th>Task Name</th>
<th>Duration</th>
<th>Start</th>
<th>Finish</th>
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<tbody>
<tr>
<td>1</td>
<td>Authorization to Proceed</td>
<td>0 days</td>
<td>Tue 2/25/14</td>
<td>Tue 2/25/14</td>
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<td>2</td>
<td>Detailed Design</td>
<td>280 days</td>
<td>Tue 2/25/14</td>
<td>Mon 12/1/14</td>
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<td>3</td>
<td>Approvals</td>
<td>60 days</td>
<td>Tue 12/2/14</td>
<td>Fri 1/30/15</td>
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<td>Bidding</td>
<td>30 days</td>
<td>Sat 1/31/15</td>
<td>Sun 3/1/15</td>
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<td>Construction</td>
<td>460 days</td>
<td>Mon 3/2/15</td>
<td>Fri 6/3/16</td>
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<td>6</td>
<td>Completion</td>
<td>0 days</td>
<td>Fri 6/3/16</td>
<td>Fri 6/3/16</td>
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Existing Conditions

• Channel length – 5,800 feet
• Limited channel capacity
• Local flooding problems
• Maintenance challenges – High
• Utility issues
Existing Conditions – Gessner Facing East
Existing Conditions – Witte Road Facing West
Existing Conditions – Witte Road Facing East
Access bridge
Existing Conditions – Bunker Hill Facing West
Existing Conditions – Bunker Hill Culverts
Bunker Hill Bridge (2006 and 2014)
Existing Conditions – Bunker Hill Facing East
Existing Conditions – Basin Facing West
View of detention from across channel
Inside the Detention Basin
Improved Conditions

• Detailed Design – Klotz Associates

• Enclosed box section
  • Gessner to Bunker Hill
  • Future linear park
  • Low maintenance

• Open channel section
  • Near basin
## Water Surface Elevation Reductions

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<th>10 – Year</th>
<th>100 – Year</th>
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<tr>
<td></td>
<td>WSEL Reduction In Channel</td>
<td>WSEL Reduction In Neighborhood</td>
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<tr>
<td>Phase 1 Detention only</td>
<td>-0.7</td>
<td>-1.0</td>
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<td>Phase 2 Det. &amp; channel work</td>
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<td>-1.1</td>
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<tr>
<td>Phase 3 Det., channel work and straws.</td>
<td>-2.2</td>
<td>-2.8</td>
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Authority Letters from USACE and HCFCD
Questions???

Thank you!
Spring Branch West Super Neighborhood