Medio Creek - Sunset Subdivision Drainage Improvements (MR-32)

PUBLIC OUTREACH MEETING
Project Status

Preliminary Engineering Report (P.E.R.) Completed

Drainage Improvement Plans Underway
2006 DFIRM modeling showed an approx. 141 homes in the floodplain.

Effective modeling from LOMR shows an approx. 55 homes in the floodplain. (2013)

Project modeling shows an approx. 5 homes in the floodplain. (2015)
What is the goal of the project?

Safe streets and unflooded access for over 100 homes from Ultimate 100-year flooding

Remove over 23 homes from the Ultimate 100-year floodplain
All alternatives were carefully designed to stay out of the Environmental Sensitive areas and leaving the Riparian Vegetation of the banks intact. Moreover, the designs were carefully conducted to minimize tree loss. Studies were also carried out to test soils for contamination and archeological artifacts... All Clear!

**Alternatives from P.E.R. Study**

- **Alternative 1**: Two Diversion Channels
- **Alternative 2**: Channel Improvements under Bridge & Only one Diversion Channel
- **Alternative 3**: Combination of Alt 1 and Alt 2
Alternative 3

RELIEF CHANNEL 1

NO STRUCTURES REMAINING IN FLOODPLAIN.

RELIEF CHANNEL 2

BRIDGE IMPROVEMENTS

EST. 1980
CUDE
ENGINEERS
UTILITY COORDINATION

- Sanitary Sewer Manholes to be adjusted
- Bridge improvements
- Relief Channel 2 to be adjusted/braced
- Utility poles to be adjusted/braced
What to expect when completed
Gentle Side-slopes

Mostly Grass-Lined
Wider Than Deep

“Bowl Like”
Channel IMPROVEMENTS Under Bridge
Entrances & Exits

- Heavy truck access route
- Light duty vehicle alternate access route
- Project limits

- MARBACH
- Construction Exit/Entrance
- Alternate Construction Access For Light Duty Vehicles
- Sunset Pl.
- Raven Field
- Quiet Plain Dr.
- No Heavy Construction Vehicles or Equipment Beyond This Point
Construction Schedule

<table>
<thead>
<tr>
<th>Days</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTWTF</td>
<td>7 am – 6 pm</td>
<td></td>
</tr>
<tr>
<td>Mid-April</td>
<td>Complete Design Plans</td>
<td></td>
</tr>
<tr>
<td>Mid-August</td>
<td>Construction Starts</td>
<td></td>
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</tbody>
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Construction is expected to last 9 months.
PROJECT IMPROVEMENTS

Safer streets and unflooded access

23 homes will be removed from the ultimate 100-year floodplain

Estimated Construction Cost
$3.5 Million