USIBWC Levee Projects Status Update for El Paso County

Upper Rio Grande Citizens Forum Meeting

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Principal Engineer

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Background

• The USIBWC has rehabilitated several sections of the Rio Grande Canalization Project (RGCP) and Rectification Project levees as part of our flood control mission.

• Work is continuing on the design and construction of additional levee segments.

• The levees are designed to result in a reduced flood risk from the 100-year flood or 1-percent-annual-chance flood (or base flood) to the landside areas. The 100-year flood is a flood that has a 1% chance of occurring in any given year.

• After construction, the design and as-built construction drawings are submitted to FEMA for levee accreditation through the local municipality.
The Upper Rio Grande Flood Control System consists of US flood control levees alongside 204 miles of the Rio Grande from Percha Dam located below Caballo Reservoir in New Mexico to Little Box Canyon, Texas. It includes both the Canalization Project and the Rectification Project.
### Lower Mesilla Valley
**International Boundary and Water Commission**
**Rio Grande Flood Control System**
**Levee Improvements**
**Revised March 24, 2017**

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**Status of Levee Projects**

#### Texas State Line
- **Canutillo East 1** (10.43 Miles)
- **Canutillo Phase 2 Floodwall** (5.66 miles)
- **Canutillo West 1** (17.16 Miles)
- **Courchesne** (3.53 Miles)
- **Sunland Park East** (8.57 Miles)
- **Sunland Park West** (3.38 Miles)
- **Nemexas** (0.4 Mile)

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<table>
<thead>
<tr>
<th>Map Label</th>
<th>Construction Project</th>
<th>Distance (Miles)</th>
<th>Status</th>
<th>Date Submitted to FEMA</th>
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FY22 Upper Rio Grande Planned Projects

• Sunland Park Levee East Construction- Borderland Bridge to El Paso Electric Power Plant

• Zaragoza Bridge to Riverside Weir 1-Mile Levee Design
El Paso - Juarez Valley - International Dam to Riverside
International Boundary and Water Commission
Rio Grande Flood Control System
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El Paso 2 Levee (14.31 Miles)

Zaragoza Levee
To be constructed (1 Mile)
El Paso - Juarez Valley - Ysleta to Fabens
International Boundary and Water Commission
Rio Grande Flood Control System
Levee Improvements
Revised March 24, 2017

Ysleta to Fabens Levee (16.32 Miles)
Fabens to Ft. Hancock (31.27 miles)
Levee Certification

Sponsors

City limits - EPWater
Outside City Limits – EPCounty
Partially City/County Limits - EPWater
Submitted by EPWater –
15,000 properties protected
EPCounty Limits

Ysleta to Fabens Levee (16.32 Miles)

Fabens to Ft. Hancock (31.27 miles)
Existing Flood Hazard Map
Existing and Preliminary Flood Map Comparison
Next Steps

• USIBWC continues work on levee design and construction prioritizing levee systems that remove most urbanized areas from the flood zones.

• The interior drainage studies are completed by the municipalities (El Paso Water, City of El Paso, El Paso County).

• USIBWC will submit the levee system documents to the respective municipality, who will be the levee certification sponsor submitting the documents to FEMA along with their interior drainage study.
Next Steps

• After addressing FEMA’s review comments, the floodplain maps will be developed showing reduced flood zones due to the levees.

• Completion of work along various levee reaches depends upon the availability of funding. As previously mentioned, in addition to the Upper Rio Grande Flood Control Project, the USIBWC also has to consider the other Rio Grande levees in it’s program.
Discussion

Questions may be directed to:
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Additional maps of Canalization and Rectification Projects are available at:
https://www.ibwc.gov/Files/Canalization-Rectification.pdf,
https://www.ibwc.gov/EMD/RG_Canalization.html, and