

# INTERNATIONAL BOUNDARY AND WATER COMMISSION UNITED STATES AND MEXICO



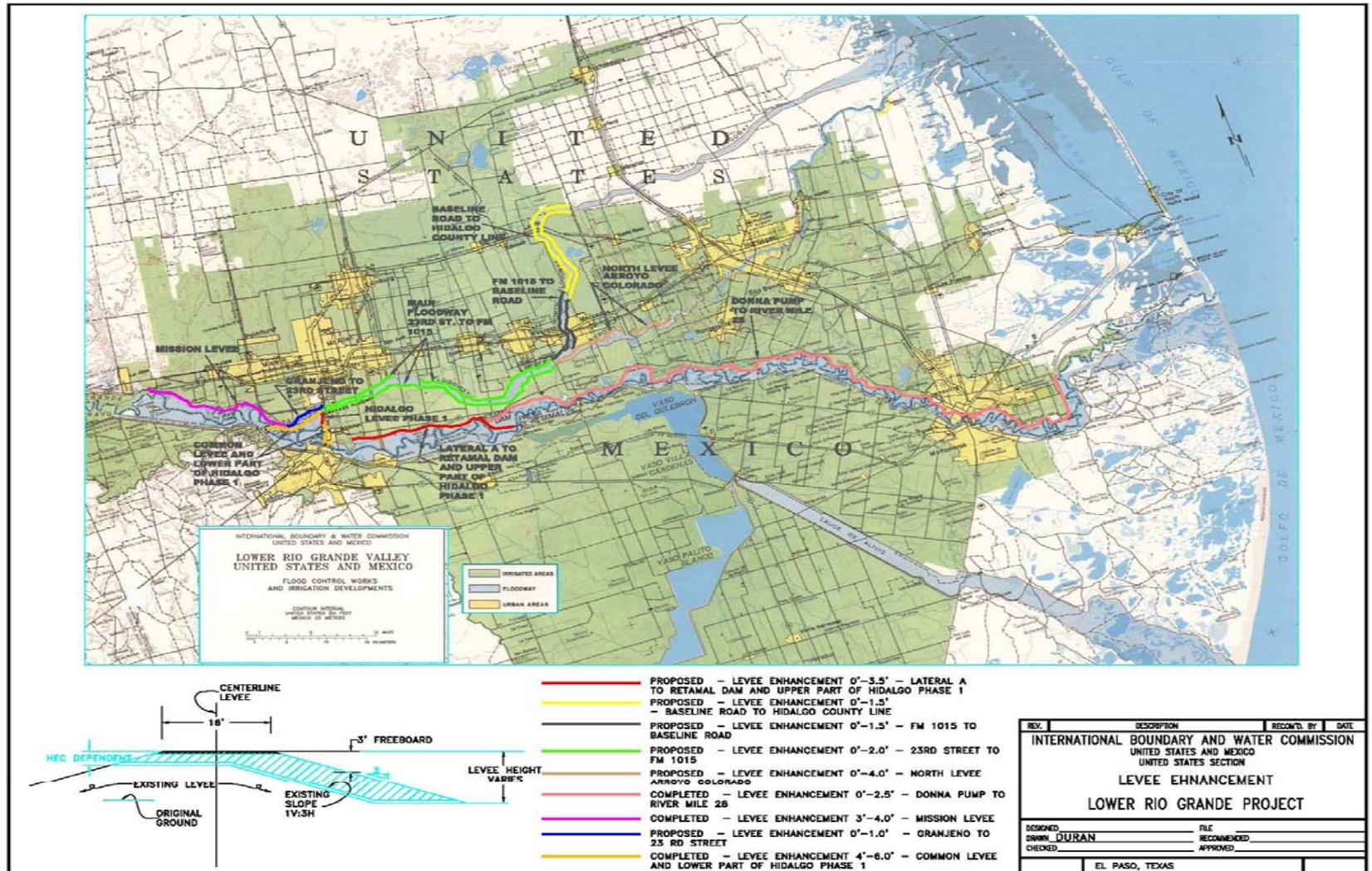
Lower Rio Grande Flood Control Project  
ARRA Levee Improvements  
December 9, 2010



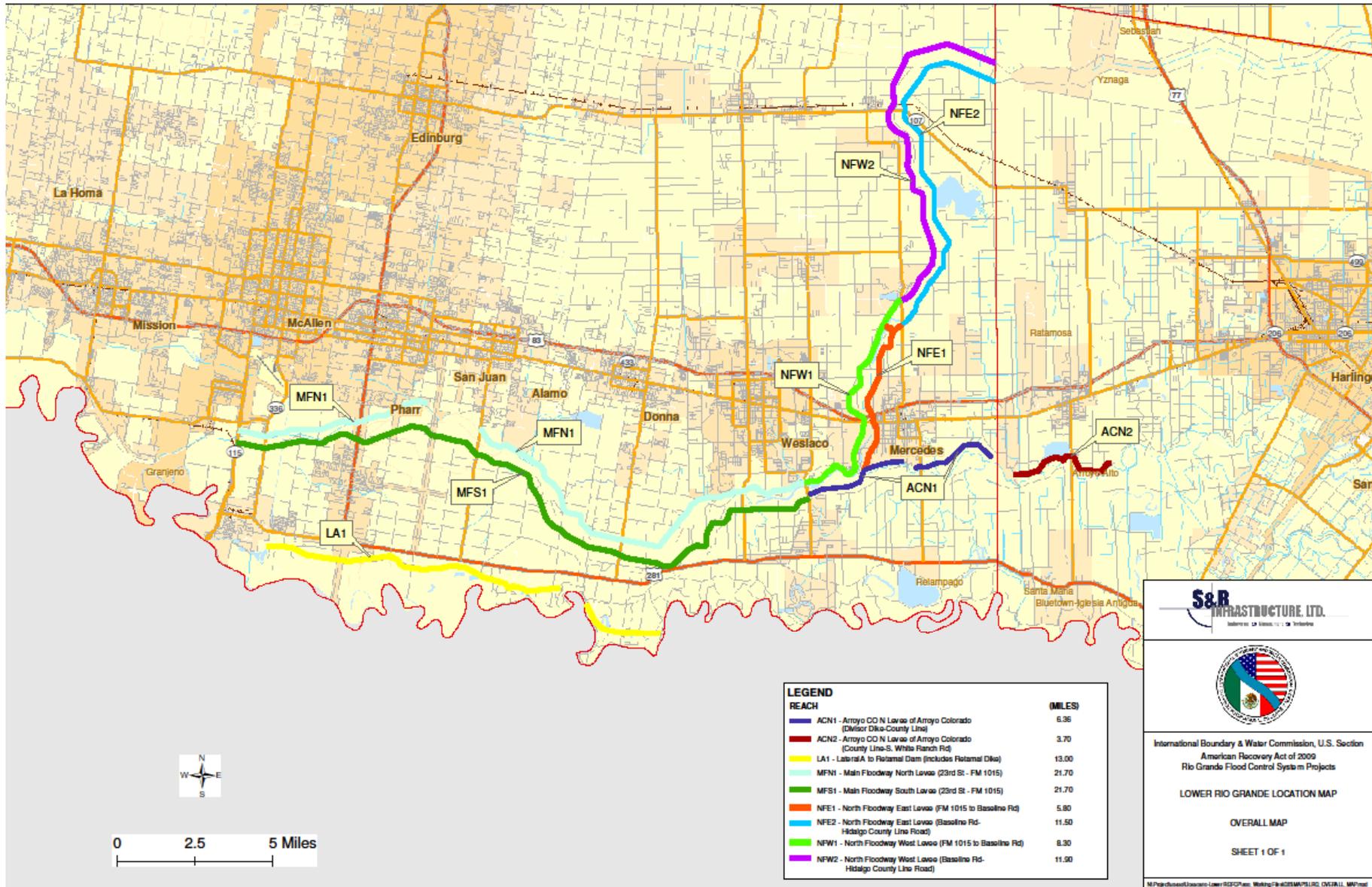
# \$120 Million Dollars for RGV ARAA PROJECTS

- \$240 Million Dollars for  
USIBWC ARRA  
Projects

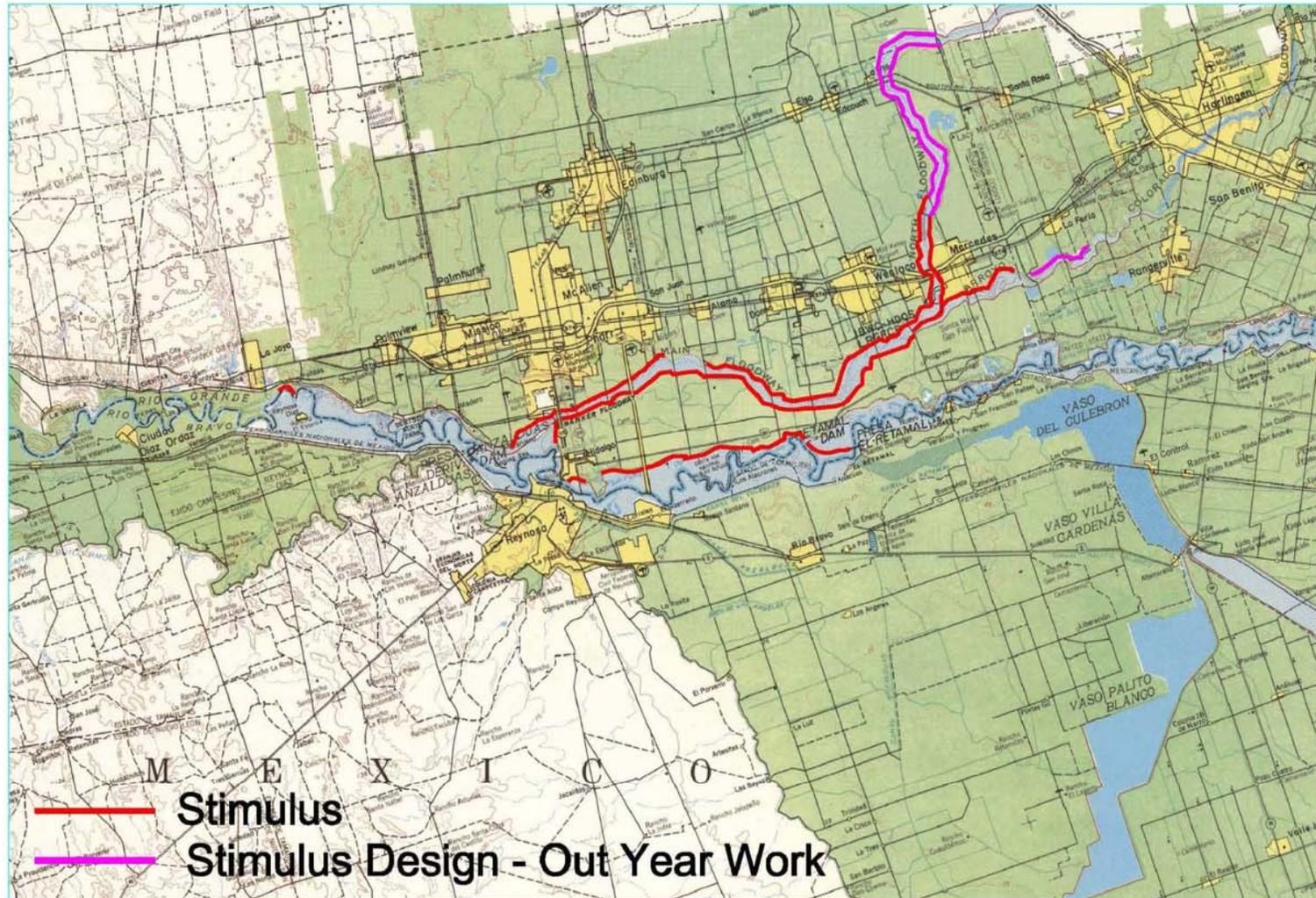
# ARRA LEVEE PROJECTS OVERVIEW



# ARRA Projects under construction: RGV



# American Recovery and Reinvestment (ARRA) Act Projects



# IBWC Emergency structure repair



# Banker Weir before Alex



# Banker Weir during Alex



# Banker Weir at height of Alex



# Rio Grande bypass to Banker Weir



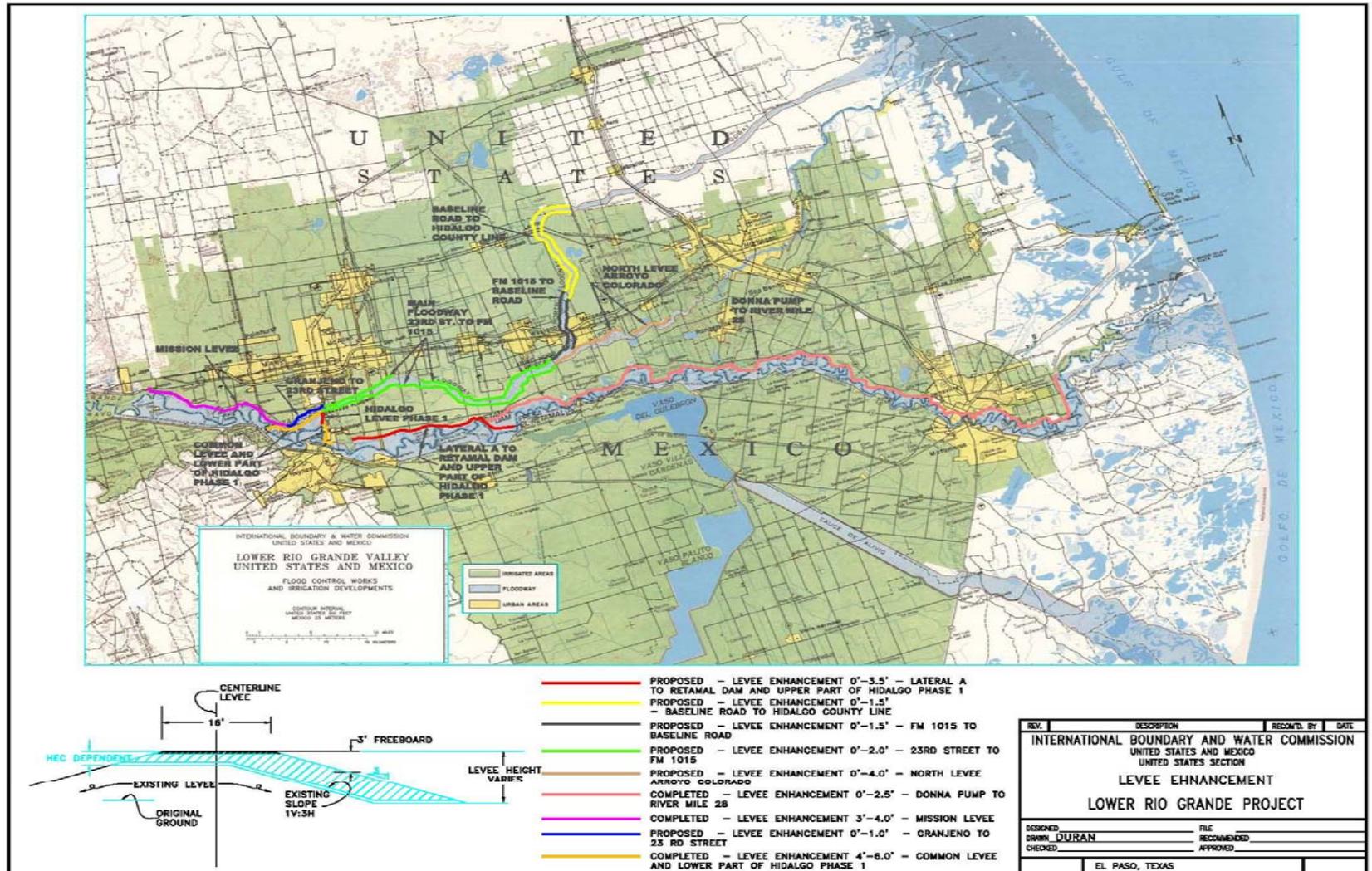
# Anzalduas Dam during Alex



# Rio Grande River @ Retamal Dam



# ARRA LEVEE PROJECTS OVERVIEW



## HWY 281 @ Main Floodway before Alex



# FM88 During Alex



# Hidalgo Bridge during Alex (West view)



# Hidalgo Bridge during Alex (East view)



# Residence in Weslaco in floodway



# Llano Grande Golf Course



# Las Penitas area – Seg O-4



# FM 88 from MF North Levee



# Edinburgh Pump House in danger



# Pump House saved with ARRA dollars



# Berm built around Pump House



# Temporary berm @ Edinburgh Pump



# Temporary berm being raised



Final elevation of 8' to 10'



# Donna Canal Saved with ARRA dollars



# Embankment and gravel



# Donna canal berm raised 3 feet



2,000 LF of gravel lining installed



# Spreading gravel armour



# Donna Canal lining complete (East Side)



# Donna Canal lining complete (West Side)



# Pumping into the Main Floodway



# Riverside Club – Chimney Park



# Riverside Club – Chimney Park



# Pepe's River Fiesta – Chimney Park





## One ARRA Project Completed

### “North Banker Floodway Levee”

(Bentsen Road to 23<sup>rd</sup> Street – North Levee only)

-----\$1, 060,185 (3.0 miles)

- Contractor– **Inuit Services, Inc.** (Anchorage, AK)
- Project completed May 13, 2010

# Surveyor at Main Floodway



# Installation of Silt Fence



# Embankment Mowing



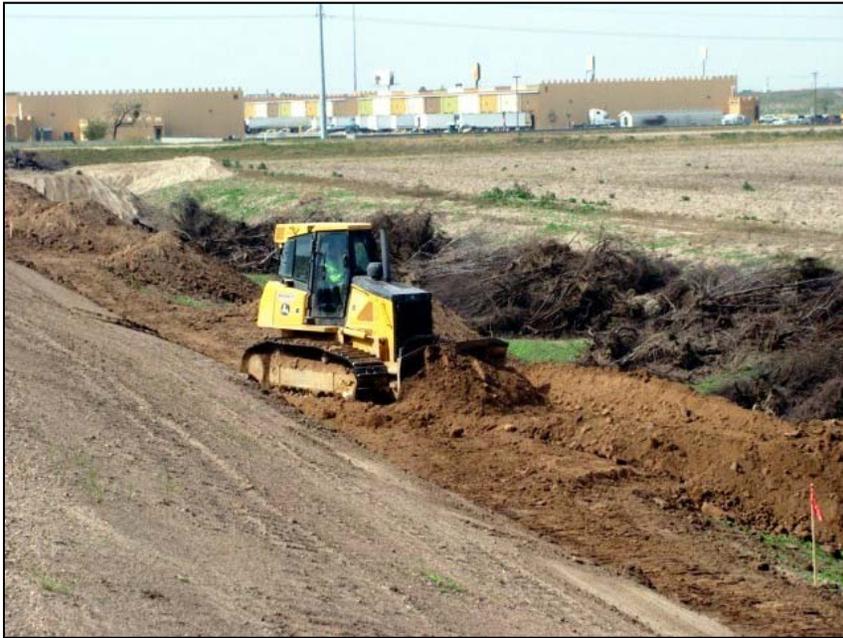
# Clearing and Grubbing



# Topsoil Removal



# Benching at Toe of Levee



# Benching Next Step



# Compaction in 6-Inch Lifts



# Bulldozer With Disker



# Embankment Material Placement



# Bulldozer and Grader Leveling



# Compaction of Each Lift



# Dust Control and Compaction



# Final Trim With GPS-Equipped Dozer



# Final Trim Cut of South Levee at Jackson





## Seven ARRA Projects Under Construction

1) “Lateral A” – (McColl Road to Retamal Dam)

-----\$21,193, 231 (13.5 miles)

- Contractor-- **SBBI General Contractors** (Sonoita, AZ)
- Projected completion July-August 2011.
- Behind schedule 3 months due to Hurricane Alex flood event and environmental issues.



## Seven ARRA Projects Under Construction

2) **Main Floodway** (23<sup>rd</sup> to 1015)

-----**\$19,893,240** (41.3 miles)

- Contractor -- **Longhorn Excavators** (Richmond, TX)
- Projected completion May-June 2011.
- Behind schedule 3 months due to Hurricane Alex flood event



## Seven ARRA Projects Under Construction

### 3) North Floodway & Arroyo Colorado ----- -----\$19,643,480 (48.0 miles)

- Contractor -- **Ballinger Construction** (Harlingen, TX)
- Projected completion June-July 2011.
- Behind schedule 5 months due to Hurricane Alex flood event, permitting issues and environmental issues.



## Seven ARRA Projects Under Construction

### 4) “Hidalgo Loop Levee Phase 1 & 2”

(Phase 1 –Main Floodway (Common Levee) @ 23<sup>rd</sup> to N. end of DHS O-6A)

(Phase 2 -- S. end DHS O-6A under Hidalgo Bridge to N. End of DHS O-6B)

-----\$7,481,841 (1.1 miles)

- Contractor-- **SBBI General Contractors** (Sonoita, AZ)
- Projected completion Sept-Oct 2011.
- Behind schedule 12 months due to redesign of floodwalls to include DHS bollards and Hurricane Alex.



## Seven ARRA Projects Under Construction

### 5) “Edinburg Pump Levee Reach”

-----\$5,189, 434 (0.20 miles)

- Contractor– **McAllen Construction, Inc.** (McAllen, TX)
- Projected completion Oct 2011.
- Behind schedule 3 months due to Hurricane Alex and continued ground water levels



## Seven ARRA Projects Under Construction

6) “3-Gaps” a.k.a. “Bentsen Palm Drive, United Irrigation Canal and Penitas Railroad Crossing”

-----\$2,769,269 (0.18 miles)

- Contractor— **Tamez-Pearson, Inc.** (Corpus Christi, TX)
- Projected completion June 2011.
- Behind schedule 17 days



## Seven ARRA Projects Under Construction

7) “Two-Structures” a.k.a. “Arroyo Colorado  
South Levee Replacement and Construction of Structure  
No. 172 and No. 413”

-----\$937,599

- Contractor– **Guzman & Munoz Engineering.** (Harlingen, TX)
- Projected completion June 2011.
- Behind schedule 21 days

# Structure raising – Main Floodway





## Four ARRA Projects Under Design

- 1. Arroyo Colorado South Levee from FM 1015 to Palm Drive**  
**\$1,842,246** -- Design Completion date January 3, 2011.
- 2. North Floodway N & S Levees from FM 1425 to King Ranch**  
**\$3,702,380** -- Design Completion date January 31, 2011.
- 3. Mission Levee Downstream of Untited Irrigation Canal Structure to Inspiration Road**  
**\$464,551** -- Design Completion date February 7, 2011
- 4. Rio Grande Flood Control Project Levee from Donna Pump to Brownsville (River Levee – Rio Grande)**  
**\$1,178,046** -- Design Completion date TBD (to be determined)



# Additional Information Available

- Information about contracting opportunities are available at: [www.FedBizOpps.gov](http://www.FedBizOpps.gov)
- The USIBWC provides regular updates at: [www.ibwc.gov/Recovery/RGF.html](http://www.ibwc.gov/Recovery/RGF.html)

INTERNATIONAL BOUNDARY AND WATER COMMISSION,  
UNITED STATES AND MEXICO  
UNITED STATES SECTION

USIBWC  
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GRANDE PROJECT

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