Colorado River Citizens Forum
IVC Presentation

for the
All American Canal Project
Canal Lining Project

- Component of Colorado River Quantification Settlement Agreement
- In conjunction with lining of a portion of the Coachella Canal settles a water rights dispute and litigation dating to the 1960s
- Provides 67,700 ac-ft/yr of water
- SDCWA will receive 56,200 ac-ft annually
- SLR will receive 11,500 ac-ft annually
History of the All American Canal Lining Project

- Congressional authorization of the Project was under PL 100-675, Title II signed into law by the President on November 17, 1988
- Concrete lining will begin just downstream of Pilot Knob (~Station 1170+27) to Drop 4, a total of about 29 miles
- During preparation of the EIS/EIR the Project was modified to begin at Station 1250+00 and end at Drop 3 (23 miles) due to:
  - Major environmental issues between Drops 3 & 4 and costs to mitigate such
  - Desire to locate the starting point further away from Pilot Knob, (a sacred area of the Quechan Indians) to eliminate any potential environmental/cultural conflicts
- Approved the Record of Decision (ROD) on July 29, 1994
History of the All American Canal Lining Project

- Completed and filed EIS/EIR in July 1994
- Reclamation undertook a Re-examination and Analysis of 1994 FEIS/EIR and ROD which determined said documents remained current with the proposed action
- California State Legislature passes SB 1765 continuously appropriating $200 million with $126 million set aside for this Project. This bill was signed into law by the Governor on September 24, 1998
- California voters in 2003 approve Proposition 50; adds $9.65 million to Project for total of $135.65 million
- California State Legislature (Proposition 84) approved an additional $17.4 million for the project in November of 2006
- Quantification Settlement Agreement (QSA) and its related documents signed on October 10, 2003 with the Project a key component to reduce California’s water use to its 4.4 million acre-feet apportionment
AAACL Project Location

The All-American Canal

Estimated Completion: December 2000

Map showing the All-American Canal and surrounding areas.
All-American Canal Typical Section

Proposed Lined Section
1.75H:1V side slope Reaches 1 & 2
2H:1V side slope Reach 3

Existing Unlined Section
2H:1V side slope

150’
50’

24’ O&M Road
Spoils

130’ +/-
Reach 1-B only
67,700 Acre-Feet per Year of Water Conserved from Lining the All-American Canal

SDCWA
56,200 ac-ft

SLR
11,500 ac-ft
How does completing 78% of the project result in recovering 97% of the seepage water?

- The seepage recovery by reach is as follows:

<table>
<thead>
<tr>
<th>Reach</th>
<th>ac-ft</th>
<th>Cumulative ac-ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>50,850</td>
<td>50,850</td>
</tr>
<tr>
<td>2</td>
<td>14,700</td>
<td>65,550</td>
</tr>
<tr>
<td>3</td>
<td>2,150</td>
<td>67,700</td>
</tr>
</tbody>
</table>
Project Challenges

Project team worked diligently on a fast-track basis to address a number of design, construction, scheduling, and cost issues to minimize costs (construction, environmental, and operations/maintenance) yet optimize the new canal facilities and address the required environmental mitigation.
Design Challenges

- New parallel alignment to minimize canal excavation, rights-of-way, and dewatering
- Reach 1B is most difficult—a number of alternatives were considered. The embankment in-canal alignment was selected
- Project has and will continue to be impacted by increases in fuel, cement, and to a smaller extent steel prices
- Working together to ensure that all state funds required based on current schedule are available
Current Status

- Design is complete but lawsuits are currently preventing construction for beginning
- Lawsuit resulted in a District Court decision in favor of the project. Plaintiff appeal with 9th Circuit resulted in an injunction on August 25th 2006
- Project is currently in the hands of the 9th Circuit with some type of court action occurring tomorrow
- Current schedule indicates construction will begin in June of 2007 and be completed in the Spring of 2010
Current Status

• Have negotiated with Ames/Coffman to maintain their contract in anticipation of a court decision in favor of moving forward with the project
• Currently in negotiations with Kiewit Pacific
• Current schedule indicates construction will begin in June of 2007 and be completed in the Spring of 2010
AAACL Project Organization

All American Canal Coordinating Committee (Voting Members)
- IID
- SDCWA
- Chairman

IID/DWR AAACL Funding Agreement

IID Executive Program Manager

Parsons Project Manager

Participants (Non-Voting)
- Reclamation
- DWR
- San Luis Rey
- CVWD
- PVID

Design
Bookman-Edmonston
Project Manager
- Montgomery Watson Harza
- Various Consultants
  - Canal Design
  - Dewatering
  - Sedimentation
  - Soils
  - Flow Measurement/Operations
  - Cost Estimating
  - Construction Techniques

Design Coordination Coordinator
- Geotechnics, Inc.
- TESCO

Construction Management Construction Manager

Environmental Activities Environmental Coordinator
- AFM Affiliates
  - Cultural Resources
- Dr. Paul Krausman
  - Large Mammal Surveys
- EcoSystems Restoration Associates
  - Wetlands Enhancement
- RECON
- Parsons
IID prepares O&M plan for All-American Canal
Thank You

Questions?