AACLP Project Location
• Constructed in the 1930s by Reclamation
• New Canal will conserve (seepage control by lining 23 miles of canal) 67,700 acre feet per year. Enough water for 500,000 people.
• Approximate lined canal construction cost is $250M.
• Project being directed by the All-American Canal Coordinating Committee (IID/San Diego County Water Authority/Reclamation)
History of the All-American Canal Lining Project

- Congressional authorization of the Project in 1988
- Approved Environmental Compliance in 1994
- Project funding has two sources: State of California and San Diego County Water Authority
- Construction Started June, 2006 then stopped by court ordered injunction
AACLP Project Elements

- Construct approximately 23 miles of lined canal adjacent to existing canal
- Construction started June 2007
- Construction projected to be complete by Spring 2010
- Reach 2 expected to be complete by early 2008
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’

24’ O&M Road

Spoils

50’

130’ +/-
AACLP Project Organization

All-American Canal Coordinating Committee (Voting Members)
- IID – Michael King
- SDCWA – Kenneth Steele
- Chairman – Van Tenney

IID/DWR AACLP Funding Agreement

IID Executive Program Manager
- Todd Shields

Parsons Project Manager
- Uli Kappus

Participants (Non-Voting)
- Reclamation – John English
- DWR – Chuck Keene
- San Luis Rey
- CVWD
- PVID

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

Design Coordination
- Coordinator – Walt Long
  - Geotechnics, Inc.
  - Hale Engineering

Construction Management
- Construction Manager – Don Crumbley

Environmental Activities
- Environmental Coordinator – Michel Remington, IID
  - AFM Affiliates
    Cultural Resources
  - Dr. Paul Krausman
    Large Mammal Surveys
  - EcoSystems Restoration Associates
    Wetlands Enhancement
  - RECON
  - Parsons
Project Challenges

• Minimizing Project Impact due to Design, and Schedule Changes
• Environmental Constraints
• Maintaining Public Access through Active Construction Site
• Security along International Border
• Continuous water delivery
Environmental Program Objectives

• Compliance with Multiple Requirements:
• Air Quality
• Cultural Resources
• Endangered Species
• Hazardous Materials/Solid Waste
• Recreation / Transportation
• Water Quality/Stormwater
• Wetlands
• Wildlife
Challenge of Public Access and Recreation During Construction

- Coordinating Construction and Public Use Near Work Areas
- Interagency Coordination During Peak Use Periods
- Public Information Distribution is Essential
- Interagency Recreation and Transportation Management Plan
Safety Program
Current Status

- Over 12 Million CY of Earth Moved to Date
- First major concrete pour completed on August 8, 2007
- 5 miles of Production Lining of New Canal completed to date.
Original Construction
Completed Canal
Construction Photos
Construction Photos
Construction Photos
Construction Photos
Construction Photos
Construction Photos
Construction Photos
Thank You
Questions?