Easter Earthquake Damage & Repairs

By:
Imperial Irrigation District
Water Department

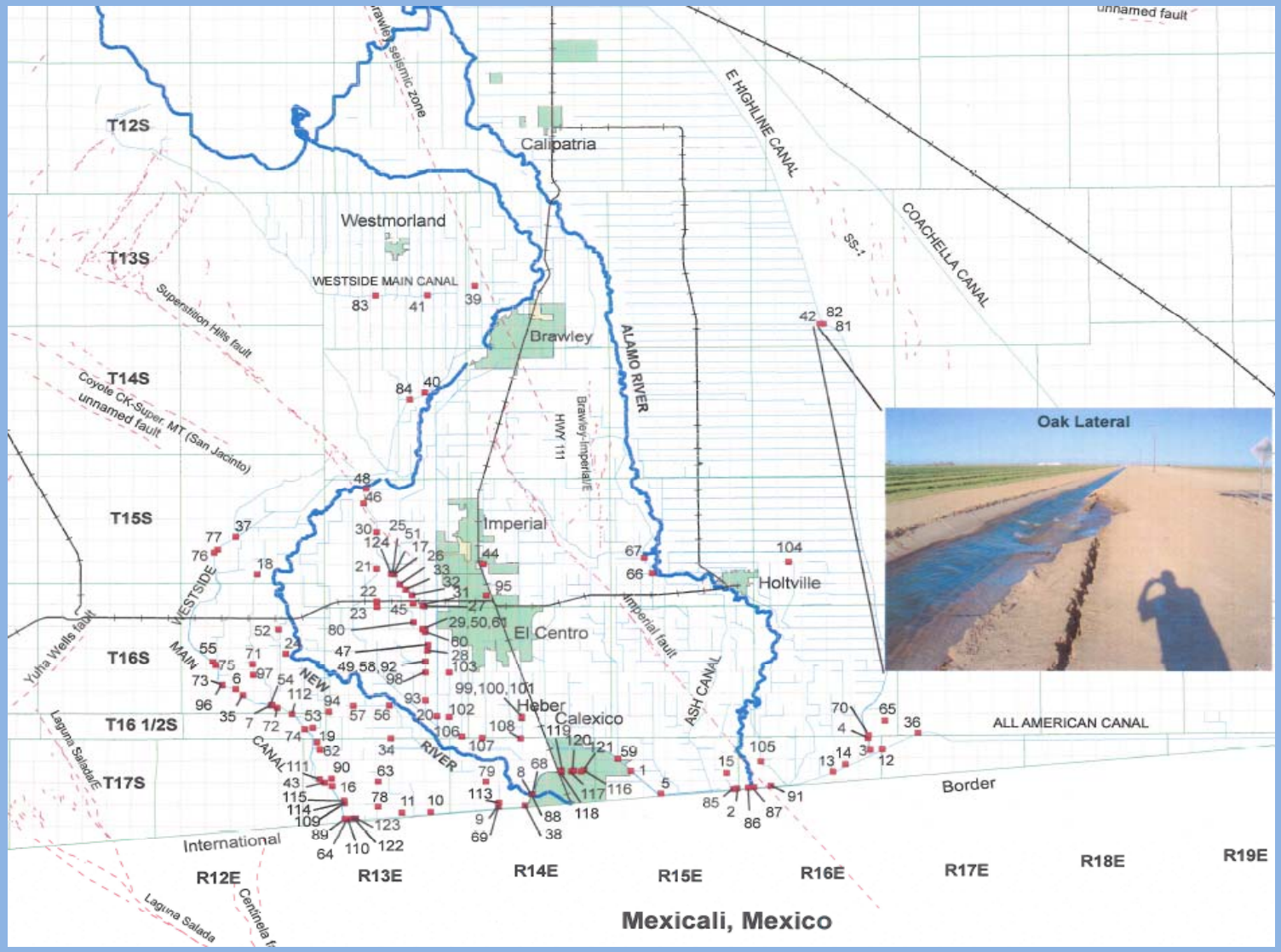
We will be going over…

- Emergency Declaration
- Summary of Damages
- Summary of Repairs
- Reimbursement Process
- Questions

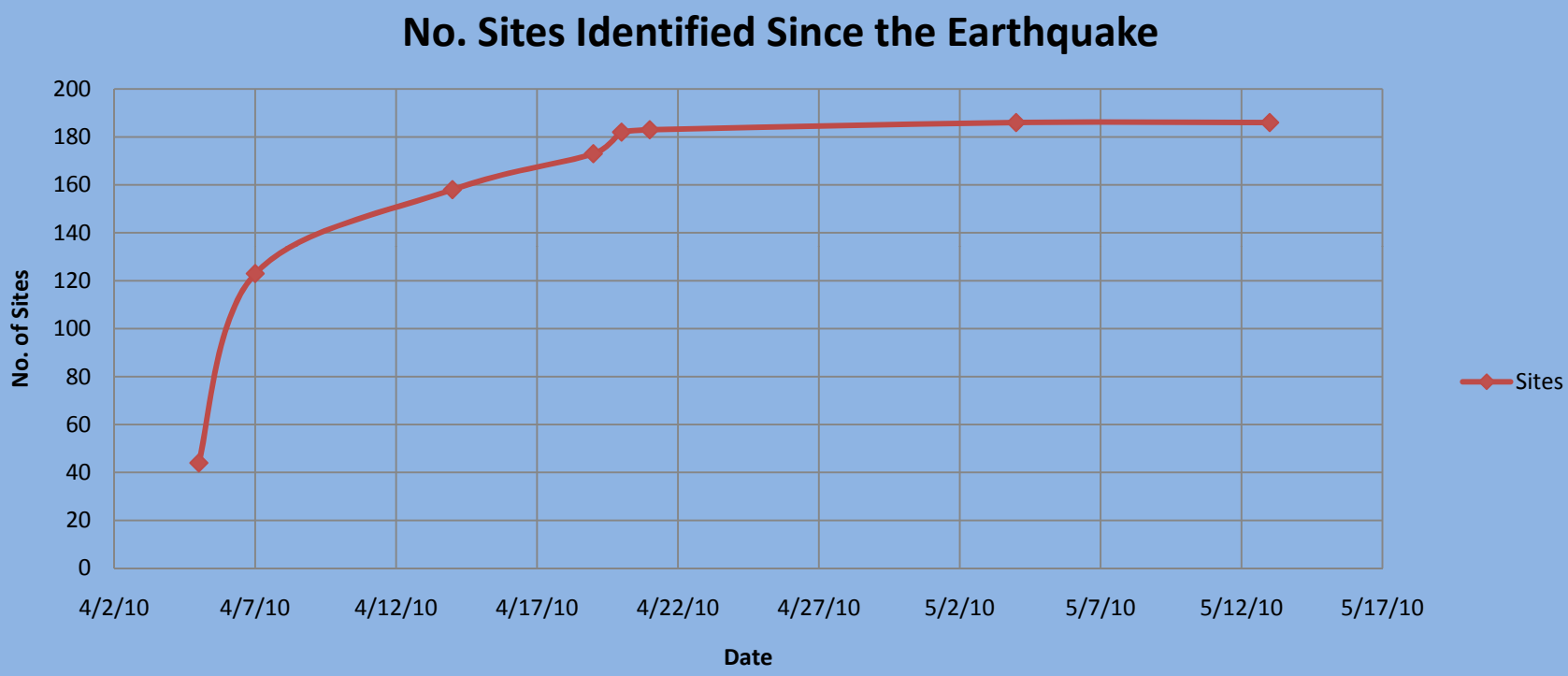
Emergency Declaration

- Sunday April 4, 2010
  - 4:30 p.m. a 7.2 Earthquake was felt in the Imperial Valley, with the epicenter located southwest of Mexicali, Baja California, Mexico.
  - 5:00 p.m. the IID activated the EOC (Emergency Operations Center). Key personnel was called in to IID headquarters to start assessing the damage.
  - 5:30 p.m. the Director of Emergency Services signed a Proclamation of Emergency/Disaster and submitted to Imperial County Office of Emergency Services.
  - 11:00 p.m. an initial assessment was done, identifying the major damage, and IID started coordination of the repairs.
- Monday April 5, 2010
  - Governor of California declare state of emergency in Imperial Valley.
  - IID crews & contractors mobilized to priority one areas.
- Tuesday April 6, 2010
  - The Board of Directors passed & adopted the Emergency Proclamation
    - Directed staff to expedite the repair & replacement of energy and water systems
    - Placed the IID in a position to be eligible to receive reimbursement monies from CalEMA.
- Saturday May 8, 2010
  - President Obama signed the California Earthquake Major Disaster Declaration

Summary of Damages



Summary of Damages



•The majority of the damage was found within the first 2 weeks

Summary of Damages

- No Damage
  - Imperial Dam
  - Northend Drain System
  - AAC Concrete Lined Portion
- Major Damage (by priority)
  - AAC (dirt portion), WSM, Central Main Canal
  - Southend Irrigation Canals
  - Drainage System
- Minor Damage
  - Northend Canal System

**** Dividing line between Northend and Southend is Keystone Rd.*

All American Canal Damage

AAC Damage (cont…)

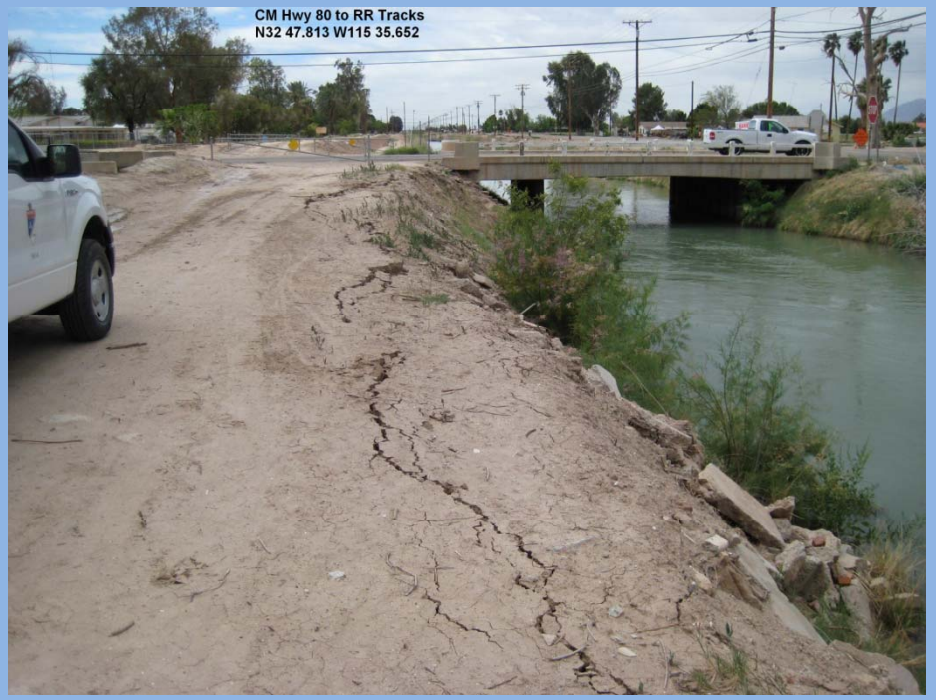
AAC Damage (cont…)

West Side Main Canal Damage

WSM Damage (cont…)

WSM Damage (cont…)

Central Main Canal Damage



Southend Irrigation System Damage

Southend Canal Damage (cont…)

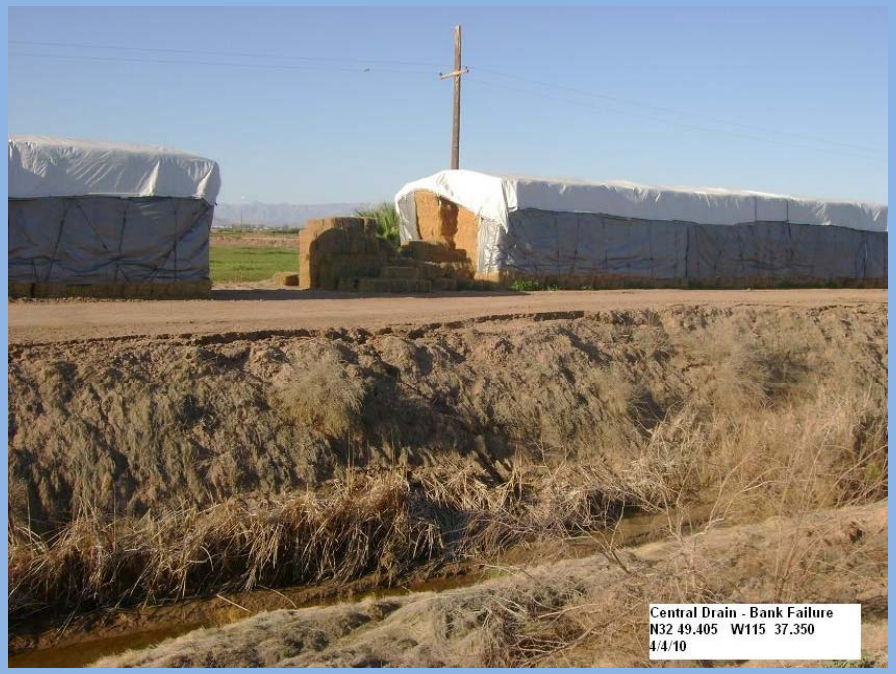
Southend Canal Damage (cont…)

Drainage System Damage

Drains Damage (cont…)

Drains Damage (cont…)

Drains Damage (cont…)



Northend Canal System

Northend (cont…)

Summary of Repairs

- IID Efforts
  - All Water Dept equipment & personnel was made available for earthquake repairs.
  - Regular Maintenance was suspended the month of April (regular canal outages postponed).
- Contractor Support
  - Local contractors were brought in to support the repair efforts
    - Elms, Radco, Granite, Superior (Ryerson), Pyramid, Rain-for-Rent, and A&R.

Summary of Repairs (cont…)

Summary of Repairs (cont…)

Summary of Repairs (cont…)

Reimbursement Process

- 1st choice: internal (IID) labor & equipment
- 2nd choice: use contractors which have Service Agreements setup with IID (based on the bid solicitation RFQ 640).
- Picture of before & after (with GPS coordinates and project description).
- Copies of timecards, certified payroll, invoice needs to match timecards, etc…

Any questions…