SAN DIEGO-TIJUANA EARTHQUAKE SCENARIO

Earthquake Safety Advocacy for Our Region

PRESENTERS

- Roberto Ruiz-Salas, PE.
  - Project Coordinator
  - Kimley-Horn & Associates Inc., San Diego.
- David Racela
  - Work Group 3 Co-Chair
  - Supervisor of City of San Diego Office of Homeland Security

HISTORY OF SCENARIO

- Importance of a Seismic Scenario

- Impact of scenarios in other regions
  - USGS ShakeOut Scenario (2008), Southern CA
  - Wasatch Fault Scenario (2014), Utah
  - Repeat of 1906 San Francisco Earthquake Scenario (2006), Northern CA
  - Seattle Fault Earthquake Scenario (2005), Washington

- Updating 1990 Seismic Scenario
  - No Mexico involvement
  - Including damage details
  - No “Active” faults

BUILDING THE SCENARIO

- Collaboration with Tijuana

- Earth Science Analysis
  - Rose Canyon Fault - M6.9
  - Surface Rupture: 6.6 ft. H
  - Liquefaction, landslides, tsunamis

- Updating Building and Infrastructure Database
  - HAZUS – specific for San Diego
  - SanGIS, public data, agency collaboration
  - Student collaboration

WHY YOU?

- Training tool
- Planning and exercises
- Follows National Preparedness System:
  - Protection
  - Prevention
  - Mitigation
  - Response
  - Disaster Recovery

SOCIO-ECONOMIC IMPACTS

- Research Categories
  - Key Industries San Diego
    - Innovation
    - Military
    - Tourism
    - Local Healthcare
    - Intellect
  - Key Industries Tijuana
    - Aerospace and Defense
    - Automotive
    - Contract Manufacturing
    - Electronics
    - Medical Device

2011 Tokoku

2011 Christchurch Earthquake

SOCIO-ECONOMIC IMPACTS

- Research categories:
  - Impact to local/state/federal tax base/fees
  - International trade
  - Immigration
  - DHS 16 CIKR Sectors

We need your participation and support

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