



Technical Session #2: Damage to Buildings/Lifelines/Infrastructure

Facilitator: Alvaro Celestino (Degenkolb Engineers)

Presenter: Anthony Court (AB Court & Associates)

Panel: *David Swanson, Afsaneh Ahmadi (City of San Diego Building Officials), Doug Nakama (City of San Diego Fire Officials), Anthony Court, Alberto Castro (Protección Civil Tijuana (Civil Protection, City of Tijuana))*





Overview

- Scope, scope breakdown, teams:
 - Lifelines (water, wastewater, power, communications, natural gas and liquid fuels, dams)
 - Transportation (roads/highways, bridges, ports, rail).
 - Buildings (URM, historic buildings, commercial and residential, low-rise, mid-rise, high-rise, pre-1980 concrete, post-1980 concrete, pre-Northridge steel, industrial facilities).
 - Essential Facilities (hospital, schools, police and fire stations, etc.).
 - Border Stations.
- Damage: What type of damage is of interest and how it will be assessed:
 - Structural, non-structural, inventory loss, income loss, damage related to fire, etc.
 - Hazus: how to enhance the runs, what inventory databases to use, Hazus Level 1, 2 or 3?
 - Complementary studies or expert panels to supplement Hazus results.
 - How to assess damage across the border? One example: CAPRA software, UNAM, Mexico City.
- Propose Sub-teams, Team Members and Team Leads.
- Next Steps.