Post-Disaster Safety Evaluation of Buildings & Infrastructure
ATC-20/45 Training

Training Session

Post-Disaster Safety Evaluation of Buildings (ATC-20/45)

The large devastating earthquakes in Nepal, Japan, Equador, and other recent large scale events are a potent reminder about the importance of disaster preparedness of our communities. After such large-scale disasters involving buildings, bridges, and critical urban infrastructure, assessing the damage and safety of this infrastructure is one of the most important first steps to disaster recovery. People are scared to return to their damaged homes, offices, and public spaces. Displaced citizens place an even greater demand on disaster response and recovery resources. Additionally, critical facilities such as hospitals required immediate inspection to continue providing essential healthcare services. Post-Earthquake, Windstorm and Flood Safety Evaluation of Buildings (ATC-20/45) are the de facto standards for post-disaster safety evaluations of buildings in the United States and around the Pacific Rim. ATC-20/45 training is critical for our nation’s disaster preparedness to quickly assess building safety in the aftermath of a major disaster and to communicate that assessment effectively to the public.

Washington State Department of Transpiration (WSDOT) is leading a full-day training session on post-disaster safety evaluation procedures (ATC-20/45) to help you develop the necessary skills to properly assess damaged buildings for occupancy and use following a major disaster. Taught by Structural Engineers with hands-on experience in disasters locally and internationally, you will learn current methods for performing post-disaster safety evaluations of buildings and infrastructure. Building safety evaluation exercises based on real-life examples of earthquake, tsunami, wind, and landslide damage from significant disasters in the U.S., Taiwan, China, Haiti, Chile, New Zealand and Japan will be presented.

Training Topics

- A detailed presentation of ATC-20/45 building safety evaluation procedures with an emphasis on the evaluation of critical hospital facilities.
- Includes customization related to projected EQ damage to construction types found in MultiCare’s Puget Sound area hospitals.
- Training is to build skills to be able to serve on rapid exterior building damage assessment teams. This assessment is a precursor to structural interior & exterior assessment teams being available.
- How do buildings and infrastructure structurally react to earthquake forces and other extreme loading?
- Procedures and example exercises for buildings constructed from wood, masonry, concrete, and steel.
- GREEN, YELLOW, and RED placards, what are they, what do they mean, and how do we use them?
- When and how do you perform a safety assessment and post a building?
- How to triage building safety evaluations and postings after a disaster?

WHERE
WSDOT Offices, 15700 Dayton Avenue N, Shoreline, WA

WHEN
Wednesday, June 19, 2019

TIME
8:00AM – 4:00PM

CONTACT/RSVP
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Reid Middleton Firm Profile

Reid Middleton is a civil and structural engineering consulting firm with an over 60-year history of serving public and private-sector clients throughout the western United States, Pacific Rim, and Middle East. The firm focuses on specific market-sectors that include aviation, civic, municipal commercial, education, healthcare, industrial, military, transportation, and waterfront. Reid Middleton serves as prime consultant to owners as well as consultants to architects and related design professionals.