W-05: Accelerated Bridge Construction in Seismic Regions: Research and Implementation

Wednesday, December 11, 2019 – 1:00 p.m. to 5:00 p.m.
Workshop Coordinator: Bijan Khaleghi, WSDOT

The focus of this workshop is performance of bridges built using ABC technologies in moderate-to-high seismic regions, with emphasis on seismic performance of connections. Developing seismic resilient connections that can accommodate inelastic deformations is the primary challenge for ABC in seismic regions. This workshop exhibits ABC technologies with self-centering precast concrete columns in seismic regions. Recent innovations in bridge design and construction meeting the post-earthquake functionality and serviceability requirements are presented. The workshop provides an opportunity for exchange of the latest information in research and implementation of ABC in seismic regions.

Speakers (invited): Atorod Azizinamini, FIU; Waseem Dekelbab, TRB; Marc Eberhard, University of Washington; Mark Gaines, WSDOT; Zachary Haber, FHWA; Eddie He, Parsons; Elmer Marx, Alaska DOT&PF; Mustafa Mashal, Idaho State University; Pinar Okumus, University of Buffalo; Tom Ostrom, Caltrans