

COMMITTEE CHAIR MORGAN NESMITH, PE.

Augered Cast-in-Place Pile Committee

Although augered cast-in-place (ACIP) piles are commonly used in highway construction for embankment, soundwall and MSE wall support, there remains reluctance among state agencies to approve the technology for support of bridge foundations. FHWA *Geotechnical Circular 8, Design and Construction of CFA Piles*, was developed to provide a framework for the inclusion of these piles in state-level highway foundation support.

At the 41st Southwest Geotechnical Engineers Conference hosted by the Kansas Department of Transportation, Olathe, Kan., May 9-12, 2016, I presented three relatively recent case-histories on behalf of the committee. The case-histories

showcased projects where ACIP piles were used for bridge-approach support, temporary support of a tower-crane for bridge construction, and the direct support of an elevated roadway in an urban area, respectively. Additionally, the presentation included recent developments in the areas of automated installation monitoring and nondestructive testing that can provide a level of certainty regarding the integrity of constructed ACIP piles to allow their inclusion as foundation support for all aspects of transportation projects.

