

## Interstate 10 at 70 Years Celebratory Event

State legislators, leadership of the California Department of Transportation (Caltrans), and construction industry leaders gathered to commemorate the 70-year anniversary of a section of Interstate 10 (I-10) between Ontario and San Bernardino, CA. The concrete pavement freeway is a vital link to business, commerce, and personal mobility in the region, and it is crucial to the provision of goods and services nationwide. The California Senate and State Assembly recognized the freeway with a formal proclamation, calling attention to the pavement's longevity and remarkable service. The pavement was also the first in the United States that was restored using diamond grinding. The event was co-hosted by CalPortland, Caltrans Region 8, California Nevada Cement Association, Southwest Concrete Pavement Association, with additional support from the American Concrete Pavement Association and Portland Cement Association.

## CMC Acquires Assets of MMFX Technologies Corporation

Commercial Metals Company (CMC) announced that its wholly owned subsidiary, CMC Steel Fabricators, Inc., has acquired substantially all assets of MMFX Technologies Corporation (MMFX). MMFX markets, sells, and licenses the production of proprietary specialty steel products, including its ChrōmX line of high strength, corrosion-resistant reinforcing bars. MMFX operates out of Irvine, CA, and its products are sold throughout the United States and Canada.

## Schnabel Engineering Opens Seattle Office

Schnabel opened its first office on the West Coast in Seattle, WA. Alex Rutledge and Robert Indri will relocate to open the company's 20th location. Both engineers have each been with Schnabel's Greensboro, NC, office for more than 10 years. Rutledge and Indri will be supported by a national team of skilled technical professionals as they provide dam and levee, geotechnical, and geostructural engineering design services in the region.

## DFI Winners of 2017 Student Paper Competition and Young Professor Paper Competition

Sarah Mobley and Kelly Costello, graduate students in the department of civil and environmental engineering at the University of South Florida, Tampa, FL, are the winners of the 2017 DFI and DFI Educational Trust Student Paper Competition. Their paper, "The Effect of Slurry Type on Drilled Shaft Cover Quality," presented the findings of laboratory experiments on 24 tremie-placed concrete specimens designed to investigate the correlation between

slurry type (bentonite, polymer, and natural slurry) and laitance channel formation. Two runners-up were also selected for the 2017 Student Paper Competition: Jennifer Ostrowsky, Utah State University, Logan, UT, for "A New Approach for Evaluating the Ductility, Volumetric Stiffness and Permeability of Cutoff Wall Backfill Materials," and Martijn van Wijngaarden, Delft University of Technology, Delft, the Netherlands, for "Gravity Based Foundations for Offshore Wind Turbines: Cyclic Loading and Liquefaction." In addition, four student papers received special recognition: "Statistical Analysis of Design Method for the Axial Capacity of Single Driven Piles in Glacial Till," by Markus Jesswein, EIT, Ryerson University, Toronto, ON, Canada; "Physical Modelling of Lime Stabilisation in Soft Soils Around Deep Excavations," by Jignasha Panchal, City, University of London, London, UK; "Challenges Associated with the Regional Calibration of Resistance Factors for Drilled Shafts," by Philippe Kalmogo, Iowa State University, Ames, IA; and "Field Study of Blast-induced Liquefaction Dragloads on Drilled Shaft Foundations," by Elvis Ishimwe and Richard A. Coffman, Associate Professor, University of Arkansas, Fayetteville, AR.

The DFI and DFI Educational Trust 2017 Young Professor Paper Competition winner is Arash Khosravifar, Portland State University (PSU), Portland, OR. In the paper "Development of a Design Guideline for Bridge Pile Foundations subjected to Liquefaction-induced Lateral Spreading," Khosravifar and his co-author Jonathan Nasr, graduate student researcher at PSU, describe new equivalent static analysis (ESA) methods that combine inertial and lateral spreading loads for estimating elastic and inelastic pile demands.

The first runner-up of the Young Professor Paper Competition is Hoyoung Seo, Texas Tech University, Lubbock, TX. Seo, along with co-author Mintae Kim, of Texas Tech University. Their paper is titled "Soil Plug Behavior of Open-Ended Pipe Piles during Installation."

The awards were presented at the DFI 42nd Annual Conference on Deep Foundations in October 2017 in New Orleans, LA.

## TRC Worldwide Celebrated 50 Years

TRC Worldwide Engineering (TRC) celebrated its 50th year of providing engineering services. It has three international offices and 12 domestic offices across the United States. TRC's services include design of new construction; restoration engineering; threshold and special inspections; project management; and forensic evaluations, reports, and testimony.