

## UC&T and ASCE Joint Seminar

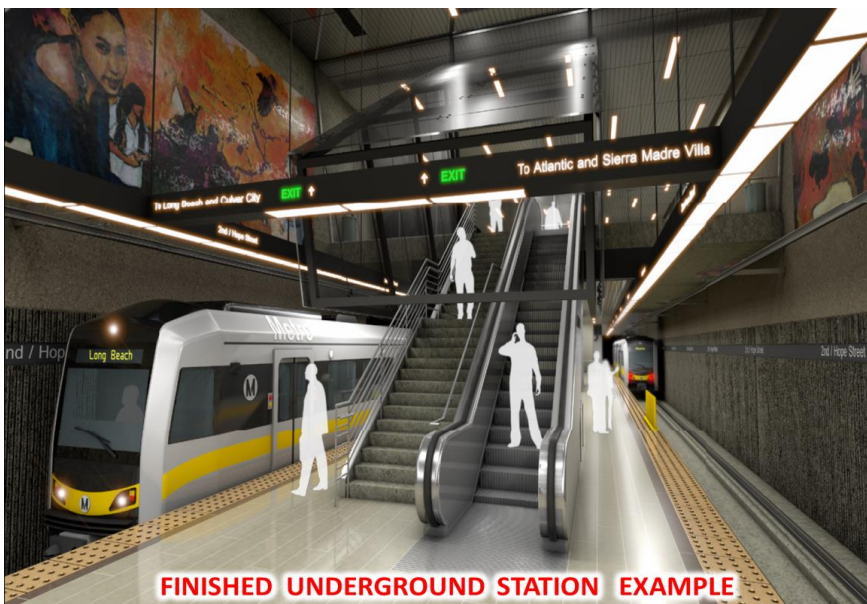
# Bridges, Tunnels, and Life – The Real World of Heavy Civil Construction and Engineering

Michael Krulc

Project Manager, Underground Division, Traylor Bros. INC

**Friday, February 5<sup>th</sup> at NOON in BB W210**

Lunch Provided –



Metro's Regional Connector project will extend from the Metro Gold Line Little Tokyo/Arts District Station to the 7<sup>th</sup> Street/Metro Center Station in downtown Los Angeles. Traylor Bros will have responsibility for the tunnel, station excavation, concrete, utility relocation, traffic control and station footprints. Additionally, the team is moving forward with the TBM procurement. Traylor have contracted Herrenknecht to rebuild one of the TBMs from their University Link Light Rail Tunnel project in Seattle. It will be modified to navigate a tighter curve radius to accommodate the three tight curves the machine will encounter along the alignment.

On the bridge side of civil construction, the 3.1-mile-long New NY Bridge (Tappan Zee Bridge) connects Rockland County to Westchester County in the Lower Hudson Valley. It is a critical transportation link that serves an average of 138,000 vehicles per day. The project has made extraordinary progress since the construction operations began in 2013. Phase one pile driving was recently completed. Now with steel-reinforced foundations and concrete piers in place, the project continues to move forward with the installation of more than 200 enormous steel-blue plate girders that will support the road deck on the new twin-span bridge. Mr. Krulc will also describe the life in heavy construction and engineering and the journey along the way.



**Michael Krulc**, P.E. is a Project Manager with Traylor Bros., Inc. Michael began his career at Traylor in 2002 as a field engineer in Traylor's Underground Division. After working on the Northeast Interceptor Sewer in Los Angeles as a field engineer, he was promoted to Assistant Project Engineer on the San Vicente Pipeline Tunnel in San Diego, CA. He then filled the role of Project Engineer and then later Project Manager on the Sound Transit University Link Light Rail Contract U220 in Seattle, WA. His most recent role is Design Build Coordinator for the Bored Tunnel, Cross passages, SEM Cavern, Cut and Cover Guideway, Alignment, and Trackwork on the Regional Connector transit project in Los Angeles, CA.

Questions? Dig in with us at [uct.mines.edu](http://uct.mines.edu) or contact us [uct@mines.edu](mailto:uct@mines.edu)



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