

# UNDERGROUND LUNCH&LEARN

## Lake Mead Intake No. 3

*Global Tunnel Project of the Year - 2015*

*Tunnel Achievement Award for Project Excellence - 2016*

Lake Mead, which supplies 90 percent of Southern Nevada's water, has dropped 110 ft (34m) since 2000, a trend that is expected to continue into the foreseeable future. Given the circumstances and the need to have a reliable water supply, Southern Nevada Water Authority (SNWA) developed a plan to construct a new third deep-water intake in Lake Mead. The Lake Mead Intake No. 3 project includes these main areas of work: a 30 ft diameter by 600 ft deep tunnel access shaft, a TBM chamber approximately 50 ft wide by 50 ft high and 300 ft long and a 20 ft diameter, three mile long intake tunnel beneath the lake. The intake structure consisting of a caisson structure was fabricated on the lake surface, immersed into a pre-formed excavation in rock and encased in tremie concrete. The intake structure also served as a dock to receive the TBM.

Join us Wednesday to learn more!



*Greg Sherry has 40 years of progressive experience relating to the design and construction of civil engineering projects ranging from dams to transportation projects. He has been involved with the design and construction of over 200 tunnel and shaft projects, and he has participated in all phases of underground construction including shafts, tunnels, microtunnels, and trenchless technology engineering and construction. In addition, he has extensive experience in design and construction management of ground improvement programs including compaction grout; chemical grout; cement grout; and jet grout. Mr. Sherry has taught courses in project management, soil mechanics, rock mechanics and foundation engineering at the Colorado School of Mines and the University of Colorado Denver.*

**WED., OCTOBER 11**  
**12:00-1:00 P.M.**  
**BERTHOUD HALL 243**

**underground**



**UNIVERSITY TRANSPORTATION CENTER**  
FOR UNDERGROUND TRANSPORTATION INFRASTRUCTURE

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