

Projects to Watch

PHOTO: NICHOLSON



Norris Cut Tunneling Project Miami, Fla.

Owner: Miami-Dade Water and Sewer Dept. (MDWASD)
Estimated Completion: 2016

Design-build contractor Nicholson Construction Company has mobilized teams on both Virginia Key and Fisher Island in Miami Beach, Fla., to construct a 1-mile-long and 10-ft-wide precast concrete segment tunnel under the ocean. They are replacing an existing 54-in. force main with a new 60-in. replacement that will extend from the Virginia Key Center District Wastewater Treatment Plant under Norris Cut to Fisher Island. The TBM, christened “Dorsey” by a local elementary school, was lowered into the launch shaft recently and will begin working through the difficult layers of coral rock and sand in the Fort Thompson Limestone.

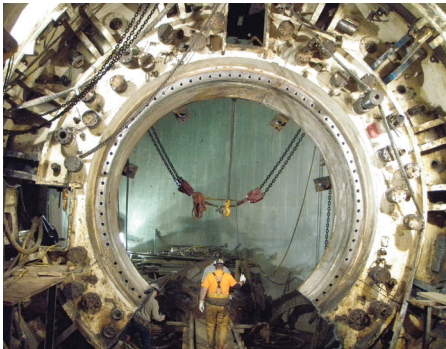
PHOTO: WWW.PHOTOGRAPHYBYGNARON.COM



Van Ness Campus Hospital and Tunnel San Francisco, Calif.

Owner: Sutter Health
Estimated Completion: 2020

The joint venture of HerreroBOLDT has broken ground on the new 730,000-sq-ft, 12-story Van Ness Geary Campus Hospital, and Pankow Builders will break ground later this year on the adjacent 9-story Medical Center. Malcolm, the foundation contractor for the campus project, began construction on the hospital foundation and underground pedestrian corridor in April 2015. The massive health center straddles Van Ness Avenue, a major downtown San Francisco thoroughfare. Construction coordination involves two three-day closures of Van Ness Avenue, allowing for the installation of shoring and decking elements with another closure occurring later to repair the roadway.



Lake Mead Intake No. 3 and Low Lake Level Pumping Station Las Vegas, Nev.

Owner: Southern Nevada Water Authority
Completion: 2015/2020

The new \$817-million Lake Mead Intake No. 3 tunnel reached a milestone hole-through to the intake structure on December 10, 2014. Since then, crews have been disassembling the tunnel boring machine and making preparations to flood the tunnel in summer 2015. In the meantime, the Southern Nevada Water Authority has sent an RFP for qualified construction manager at risk services for the new Low Lake Level Pumping Station. This next component—with nearly 50% of the work underground—is expected to begin construction summer 2015 with full completion in 2020. Estimated costs are \$650 million.



Permanent Canal Closures and Pumps (PCCP) New Orleans, La.

Owner: U.S. Army Corps of Engineers
Estimated Completion: 2017

In 2012, the U.S. Army Corps of Engineers awarded the PCCP Constructors the \$650-million contract to build three permanent canal closure and pump station structures to block hurricane storm surges at the Lake Pontchartrain mouths of the 17th Street, Orleans Avenue and London Avenue drainage canals in New Orleans. The PCCP will provide permanent and more sustainable measures for reducing the risk of a 100-year level storm surge entering the three canals. The area is currently being protected by interim closure structures.