



## MME Presented with an APWA Award for 8th Ave Inter-Garrison Road Roundabout

The American Public Works Association Monterey Bay Chapter awarded the 2018 Project of the year, Value Under \$5 Million, Award of Merit to California State University Monterey Bay (CSUMB) for the 8th Avenue and Inter-Garrison Road Roundabout at the Annual Awards Ceremony on January 24th 2018.



Before construction began in 2017, the previously existing stop-sign controlled “T” intersection was dangerous and created a queue of vehicles every morning, slowing down commuters and elevating exhaust emissions from vehicle idling. The new roundabout opens up visual sight lines to convey traffic with efficiency and safety. This includes major road re-profiling for safer vehicle curves and ADA compliance, as well as the addition of 10 foot wide sidewalks and green bike lanes/ramps to ensure safety for both pedestrians and bikes. Twenty-eight new traffic signs were constructed to help direct regional traffic and improve pedestrian safety on campus.



*Bioswales Along the Roadside*



However, this triumph was not accomplished without challenges. The project team had to surmount difficulties like the potential for unexploded ordnance on ex-military property, and one of the wettest winters the state has seen in decades. Even with a four week rain delay, the project was completed in 7 months. The team minimized public inconvenience due to construction by building a temporary bypass road, to maintain free traffic flow around the site during construction and minimize delays for local commuters as well as emergency responders.



*Temporary Bypass Road*



*New Sidewalk and Native Shrubs/Grass*



The project team excelled in regards to sustainable design and environmental safety considerations. Prior to site work, resident woodrat nests were found and relocated, and protected plant species such as Kellogg's Horkelia were fenced off and protected. Stormwater biofiltration swales were constructed in order to treat road runoff through bioretention soil and native sand layers before entering the underground system. The landscape areas were designed to resemble the native setting and require little maintenance. The planted plan included 196 oak trees, 2,300 shrubs, and 3.5 acres of native grasses. Smart LED luminaries with programmable LED drivers were used to reduce the energy consumed by the local street lights, while maintaining a safe level of illumination for drivers, bikers, and pedestrians.



*Energy Saving LED Street Lights*

MME's award-winning roundabout is a feat of collaboration between project manager Rodney Cahill with MME, Leo Trujillo with Mott MacDonald, Bart Bruno with Monterey Peninsula Engineering, Karen Folsom with SSA Landscape Architects, Martin Perez with Aurum Consulting Engineers, Gary Ifland with Ifland Survey, and geotechnical support provided by Greg Bloom with Butano Geotechnical Engineering. The project was skillfully lead by Kathleen Ventimiglia, Katie LaPlace, and Pamela Lapham at CSUMB.



*Team Members Accepting the Award of Merit (January 24, 2018)*