



# CSU Monterey Bay 8<sup>th</sup> Avenue Roundabout

## Seaside, California

### Civil and Structural Engineering



***“The new intersections are fabulous.  
Everyone is raving about them.”***

Katie LaPlace, Senior Construction Manager

This previously congested busy three-way stop at 8<sup>th</sup> Ave and Inter-Garrison Rd caused frustration, delays, and unsafe pedestrian conditions. In order to combat these traffic stoppages and accidents, MME lead the professional design team of traffic engineers, landscape architects, electrical engineers, and geotechnical engineers in the design of a roundabout. Large sidewalks, crosswalks, and bike lanes were customized to provide safe routes to campus. MME also provided analysis and design of improvements to drainage and utilities, demolition and erosion control plans, as well as construction administration throughout the project. The drainage plan features Low Impact Development elements with innovative bioswales and landscaped infiltration zones.

The project had challenging site conditions including critical fiber optic facilities, high pressure gas pipes, high voltage power lines, water transmission mains, and other utility crossings. Portions of the project site resided on Ford Ord property so extra care was taken to avoid potentially dangerous ex-military unexploded devices. The area was planted with over 100 oak trees, 2,000 native shrubs, and 3.5 acres of native grasses. The project was closely reviewed for accessibility compliance and approved by the Division of the State Architect.



#### Client Reference:

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**Project Cost:** \$2.4 M

**Project Completion:** 2017

