



## Santa Cruz Rail Trail – Segment 7

Santa Cruz, California

Civil and Structural Engineering



Installed Bridge



Improved Pathway



Rendering of Future Wall

The Santa Cruz Rail Trail is a proposed 32 mile long pedestrian & bicycle paved pathway from Watsonville to Davenport. The pathway follows the existing Santa Cruz Branch Rail Line right-of-way. Segment 7 of the Santa Cruz Rail Trail is 2.1 mile long, and connects Natural Bridges Drive to Beach Street. Phase 1 of Segment 7 is from Natural Bridges Drive to the intersection to Bay Street and California Street, and Phase 2 will continue to Beach Street.

MME worked with a talented design team and local agencies to create this valuable public space for the community. MME designed the major structural elements of the segment, including a pedestrian bridge and retaining walls. The pedestrian bridge is 12' wide x 60' long over Arroyo Seco Creek between Natural Bridges Drive and Swift Street on the Westside of Santa Cruz. A portion of the trail between California Street and Beach Street requires approximately 3,000 lineal feet of retaining wall.

The location has various soil and subsurface conditions, and MME put its years of retaining wall experience to good use with creative design solutions. The retaining wall design utilizes steel wide flange soldier piles set in concrete cast-in-place drilled piers, with pressure treated wood lagging. For the tallest wall sections, grouted tie-back anchors secure the steel soldier piles to the cut slope.

**Client Reference:**

Mike Sherrod  
RRM Design Group  
32332 Camino Capistrano Ste. 205  
San Juan Capistrano, CA 92675  
949-361-7950

**Project Budget:** \$5,400,000

**Phase 1 Completion:** 2020

**Phase 2 Completion:** TBD

**Geotechnical Subconsultant:**

Pacific Crest Engineering

**Owner:** City of Santa Cruz