

**Location**

Sidewalk connecting La Fonda Ave to Park Way Ct Santa Cruz, CA

**Yards Poured**

17 yd<sup>3</sup>

**Contractor**

Wayne Cochran

**Project Partners**



**Placement Method**

Line pumped 300 feet

**Traffic**

Pedestrian foot traffic. Local school nearby, hundreds of students use the sidewalk daily

**Usage**

Sidewalk with medium broom finish

**Ready-Mix Partner**



**25%**  
*CO<sub>2</sub> Reduction*

Caltrans and the City of Santa Cruz selected ReAct<sup>®</sup> Blend, a low CO<sub>2</sub> cement solution, to create a sustainable mix design for a high traffic sidewalk system that students use when walking and biking to school.

Overcast/Sunny | High 70°F Low 54°F | ~60% humidity | 7 – 10 mph winds



## Mix Design

- + Total Cementitious Material | 550 lb/yd<sup>3</sup>
- + W/CM | 0.55
- + Cement | Lehigh Permanente Type II/V - 70%
- + Fly Ash | SRMG Class F - 15%
- + ReAct | Moss Landing Pilot Plant - 15%
- + Aggregate | 1" x #4 Granite & Natural Sand
- + Slump | 4"
- + Unit weight | 145 lb/ft<sup>3</sup>
- + Design Strength | 3600 psi