

Location

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

Yards Poured

17 yd³

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%
CO₂ Reduction

Caltrans and the City of Santa Cruz selected ReAct[®] Blend, a low CO₂ 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/yd³
- + 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/ft³
- + Design Strength | 3600 psi