



PROJECT BRIEF



COUNTY OF SAN DIEGO CENTRAL COURTHOUSE BUS RAMP

Project Type:
Government

Application:
Leveling an elevated-deck bus exit ramp with structural repair mortar

Location:
San Diego, CA

Project Dates:
June 27 – July 7, 2017

Project Size:
1,200 sq. ft.

Project Owner:
County of San Diego

Contractor:
Resurfacing Specialists

Products:
Rapid Set® Mortar Mix Plus, SET Control®,
FLOW Control®

The bus ramp for the county's new courthouse was a design error. When a bus entered the exit ramp, the back of the bus would hit the ramp and get stuck. The solution was to level the base and middle of the ramp with Mortar Mix Plus.

This was also a fast-track project. The contractor needed to fill up to 6 inches within a quick turnaround time to meet the deadline for handing over the new building to the county.

Half-inch keyways were made at the front and back of each area. Rebar was used for reinforcement on this elevated deck.

Using a Hippo Mixer, the contractor mixed four-bag batches of Mortar Mix Plus and added one packet of FLOW Control along with three packets of SET Control. With the indoor temperature hovering between 65 and 75 degrees Fahrenheit, the additives were used to maintain fluidity and a working time of three hours. The contractor gained a half hour of working time per each packet of SET control used. Plus, FLOW control also helped to increase strength and reduce shrinkage.

Once repairs were made, the ramp was broom finished for slip resistance and water cured.