

WEST COAST RCC PROJECTS

CALIFORNIA

Roller Compacted Concrete (RCC) Pavement is a plain rigid concrete pavement placed with high density paving equipment and then compacted with vibratory rollers. RCC can be placed quickly, expediting the construction schedule, and has the strength to withstand heavy and specialized loads. Its low cost and durability make it a preferable solution for engineers, owners and construction managers.

Below are some of the publicly funded paving projects completed by RCC PC members. Applications include arterial streets, local streets, highways, ramps, shoulders, medians, access roads and parking areas.



PAVEMENT COUNCIL

rccpavementcouncil.org

RCC ROADWAY PROJECTS

Project Name	City	Owner	Application	Year
Washington Boulevard	Roseville, CA	City of Roseville	Roadway	2018
Greenstone Ave. Improvements	Santa Fe Springs, CA	City of Santa Fe Springs	Roadway	2019
Union Park	Elk Grove, CA	City of Elk Grove	Roadway	2016
Atkinson Street	Roseville, CA	City of Roseville	Roadway	2018
Hickory Street	Roseville, CA	City of Roseville	Roadway	2018
Cajon Pass	Victorville, CA	Caltrans	Parking	2015
Quarry Road	Victorville, CA	Cemex	Roadway	2016
I-210	Los Angeles, CA	Caltrans	Shoulder	2015
I-5 Shoulder	Los Angeles, CA	Caltrans	Shoulder	2014
Fulton Road	Santa Rosa, CA	City of Santa Rosa	Roadway	2023
Bruce Road	Chico, CA	City of Chico	Roadway	2024

PROJECT SPOTLIGHT

RCC Pilot Project in Roseville, CA

In 2018, the city of Roseville, California, selected three diverse roadways for an RCC pilot project that has received six industry awards. **Washington Boulevard** is a five-lane arterial, **Atkinson Street** is a two-lane collector road, and **Hickory Street** is a low-volume residential street. More than two miles of failed sections of existing asphalt pavement distributed across the three roadways were reconstructed using RCC, helping this project achieve several "firsts" in California.



Installation of roller-compacted concrete in the city of Roseville.
Photo courtesy: Corey J. Zollinger

After the concrete was delivered, placed and compacted with a high-density paving machine, early entry saw cuts were made to create joints while the pavement was still green. Roseville's finished RCC surface was then diamond ground across the entire surface to correct ride deficiencies, increase friction, and reduce tire/pavement noise, leaving the standard, corduroy-like surface texture.

To stay on schedule, rapid construction was a priority. Before construction began, the team developed a concrete mix design that was able to reach the city's specification of at least 2,500 psi unconfined compressive strength within two days. This allowed the roads to be fully opened to traffic quickly; for cross-traffic, intersections were opened by the end of each work shift. After the project was complete, the city received positive feedback from local drivers due to the minimal project disruption and smooth ride.

ABOUT THE RCC PAVEMENT COUNCIL



The Council is comprised of RCC contractors, equipment suppliers, materials suppliers, consultants, engineers and architects. Research and promotion are the primary objectives of the Members who strive to improve the quality of RCC pavements and expand their use in a responsible and sustainable manner.

The Council is an excellent resource to find qualified RCC Contractors, equipment, materials, and construction best-practices expertise as well as resources and support to the design community. The Council collaborates closely with industry promotion and research partners including the American Concrete Pavement Association ([ACPA](#)), the Portland Cement Association ([PCA](#)), and the National Ready Mixed Concrete Association ([NRMCA](#)).

Learn more at rccpavementcouncil.org.