

Department of Resources Recycling and Recovery

SCOPE OF WORK

Rubberized Asphalt Concrete Engineering and Technical Assistance

I. Introduction/Objectives

The purpose of this contract is to continue support of the Department of Resources Recycling and Recovery (CalRecycle) rubberized asphalt concrete (RAC) grant programs via RAC technology transfer and technical assistance to local governments; and to support CalRecycle's non-grant RAC initiatives, including technical investigations, local government technical assistance, and new ad-hoc initiatives.

During the performance of the contract the Contractor shall:

- 1) Support CalRecycle's Rubberized Pavement Grant Program through RAC technology transfer and other technical assistance to grantees.
- 2) Conduct research studies on issues related to the use of tire rubber in paving projects.
- 3) Expand local government's knowledge of RAC's engineering benefits and the correct procedures for its application.

Projects under the contract shall include fostering partnerships between local governments, other state agencies, and private industry. The Contractor may be required to provide technical assistance to Caltrans and other industry stakeholders.

II. Work to be Performed

Under the direction of CalRecycle's Contract Manager (CM), the Contractor shall assist CalRecycle's efforts to increase the use of RAC in California. The Contractor shall provide RAC technology transfer, construction inspection oversight, and general technical support to grantees within CalRecycle's Rubberized Pavement Grant Program. The Contractor may be directed to conduct research on issues related to the use of RAC and may provide other technical assistance regarding RAC.

All work under this contract will be grouped into separate projects (as determined by the CM). For each project, the Contractor shall develop and submit a scope of work request identifying all the tasks required to complete the project, including completion dates, subcontractor usage and a budget estimate, when appropriate. The CM will review and approve each scope of work request and then issue a Work Order to the Contractor to complete the project.

Work to be performed shall include, but is not limited to, the following:

- 1) Provide technology transfer and training for new and existing users on RAC specifications, material properties, manufacturing, construction best practices, use and benefits.
- 2) Assist in the development and review of engineering plans and specifications for RAC projects.
- 3) Provide on-site technical and inspection oversight for RAC projects.
- 4) Perform research investigations and studies on RAC issues and new products and processes.
- 5) Participate in an initial meeting with the CalRecycle Contract Manager to kick-off the contract and meet at least monthly to discuss work progress throughout the term of the contract.

III. Tasks Identified

All work under this contract shall be performed through Work Orders issued to the Contractor by the Contractor Manager. The Contractor shall not commence work on any task without an approved Work Order. Any subsequent changes to the Work Orders shall be documented through a revised Work Order signed by both parties.

This contract will consist of the following tasks:

Task 1. RAC Technology Transfer.

At the direction of the CM, the Contractor shall perform tasks related to technology transfer including, but not limited to:

- Technical training to local governments and multi-jurisdictional/regional audiences that may include RAC manufacturing processes, specifications, construction and inspection processes, material sampling, and analysis techniques.
- Provide technical assistance to support CalRecycle's Rubberized Pavement Grant program and other RAC related efforts.
- Provide construction management, inspection and technical oversight for CalRecycle's Rubberized Pavement Grant projects.
- Assist in the development and review of engineering designs for CalRecycle's Rubberized Pavement grantees.

Task 2. RAC Research.

Upon the CM's request, the Contractor shall perform tasks related to RAC investigations and studies including, but not limited to:

- Review and critique technical standards and specifications for RAC materials and construction.
- Perform research investigations and studies related to RAC technologies.

- Conduct RAC related research in conjunction with other CalRecycle affiliates such as Caltrans or California universities.
- Provide other technical assistance as needed.

Task 3. Final Report.

A Final Report shall be submitted electronically summarizing the work completed during the contract term. The Final Report should include any important milestones accomplished and recommendations for further development of RAC technologies. All documents and reports drafted for publication by or for CalRecycle in accordance with this contract shall adhere to CalRecycle's Contractor Publications Guide (<https://www.calrecycle.ca.gov/Contracts/pubguide>) and be reviewed by a technical editor of the Contractor's choice to ensure compliance with CalRecycle's guidelines before submission to the Contract Manager for final review and approval (please refer to Exhibit D item #9).

IV. Time Frame

The contract period will be from May 1, 2025, to May 1, 2028, for a total time of 36 months. Table 1 shows the project schedule.

Table 1: Project Work Schedule

Task Number	Task Description	Start Date	End Date
Task 1	RAC Technology Transfer	May 1, 2025	May 1, 2028
Task 2	RAC Research	May 1, 2025	May 1, 2028
Task 3	Final Report	January 15, 2028	March 15, 2028