



FY 2011–12  
GRANT #  
TRP2-11-0011

# City of Huntington Beach

Department of Resources Recycling and Recovery  
**Rubberized Pavement Grant Program**

## Background

The City of Huntington Beach (city) received \$250,000 in grant funds to improve six miles of arterial streets. The city proposed to rehabilitate various streets which included potholes, sunken areas, and crumbling pavement using rubberized asphalt concrete (RAC). The final product provided the community with streets that will last another 10 to 20 years.



## Grant Project Goals

The primary goals of the project were to:

- Assist in funding the city's transportation and environmental projects.
- Use 23,810 tons of RAC material for the proposed projects.
- Provide a quieter and more pleasing roadway for motorist.
- Provide longevity to the roads by 10–20 years.
- Divert waste tires from landfills by using California crumb rubber.
- Continue efforts to pursue environmentally friendly recycling .

## Outcome and Accomplishments

- The city expended 96 percent of the awarded funds.
- A total of 21,975 tons of RAC were placed in various paving projects.
- 593,251 pounds of crumb rubber were used.
- The projects were completed on schedule and under budget.
- 49,438 California tires were diverted from the waste stream.

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## Challenges

Challenges included:

- The prime contractor used a sub-contractor for paving which resulted in higher paving costs than originally anticipated.
- Holiday closure, rain, and unforeseen concrete under-pavement disrupted the flow of work through the holidays; however, even with these challenges, the project was completed on time and under budget.

## Lessons Learned and Recommendations

The city had previous experience using RAC for their paving projects. Therefore, by using their expertise in the mix design specification, they were able to maximize the deteriorated streets with a longer lasting road. The city recommends using RAC on all their projects when the design matches their overall accomplishments per streets condition.

## Snapshot

**Grant Program:** Rubberized Pavement

**Grant Program Website:**

<http://www.calrecycle.ca.gov/Tires/Grants/Pavement/default.htm>

**Grant Number:** TRP2-11-0011

**Grant Type:** Tire Recycling Grant

**Year Awarded:** 2011

**Funding:** Awarded \$250,000, spent \$240,366

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