



ACTION	TYPE OF ITEM
<input type="checkbox"/> Approved Recommendation	<input checked="" type="checkbox"/> Info Consent
<input type="checkbox"/> Ord. No(s). _____	<input type="checkbox"/> Report
<input checked="" type="checkbox"/> Res. No(s). _____	<input type="checkbox"/> Public Hearing (Info consent)
<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____

Prepared By: Grant Dunne, Management Analyst III *GD* Agenda Item No. I-7  
 Reviewed By: City Manager *MDM* City Attorney *DA* Finance *UC* Public Works - Ray Williams  
 Other (Specify) *RL*

**DATE:** April 11, 2008

**TO:** City Council

**FROM:** Lou Balderrama, City Engineer *LB*  
 Public Works Department

**SUBJECT:** Rubberized Asphalt Concrete (RAC) Chip Seal Grant Program

**RECOMMENDATION**

That City Council:

1. Adopt a resolution authorizing the City Manager to submit to California Integrated Waste Management Board applications under the Rubberized Asphalt Concrete (RAC) Chip Seal Grant Program for up to five years.
2. Authorize the City Manager or his designee to execute agreements, amendments and requests for payment or other documents necessary to secure grant funds and implement the approved grant project.
3. Authorize the City Manager or his designee to appropriate the funds upon grant award.

**DISCUSSION**

The City has numerous roads that need resurfacing. The RAC Chip Seal Grant Program is a new grant program that provides funds to agencies that use recycled tires when resurfacing roads. There are many advantages to using rubberized asphalt versus conventional asphalt. Rubberized Asphalt Concrete (RAC) incorporates ground tire (crumb) rubber into the hot mix. Crumb rubber is ground or granulated rubber particles, which are derived from auto, light truck or other sources that use a high content of natural rubber. The wet process is typically used in rubberized asphalt within the State of California. The wet process mixes the rubber with the binder (80% asphalt cement / 20% crumb rubber) in a field blending unit prior to introduction at the hot mix plant. Caltrans began experimenting with rubberized asphalt produced by the "wet process" in the 1970's and developed design criteria using roadway deflection testing that resulted in thinner overlay courses than conventional asphalt concrete. Research has shown that 4" of conventional asphalt can be replaced with 2" of rubberized asphalt to achieve the same fatigue life. In the early 1990s, Caltrans testing confirmed the reduced thickness design of a gap-graded mix and received approval from the Federal Highway Administration. The stated advantages of Rubberized Asphalt Concrete are as follows:

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1. Rubber Cape sealing can extend the life of a street by 10-14 years.
2. Rubberized Asphalt Concrete is highly skid-resistant, quieter and resists shoving and rutting if a gap-graded mix is used.
3. Rubberized asphalt concrete is environmentally friendly. A two-inch resurfacing project can use approximately 2,000 waste tires per lane mile.
4. Rubberized asphalt concrete provides excellent long-lasting color contrast for striping and marking.
5. Rubberized asphalt concrete provides a long-lasting, durable pavement that resists reflective cracking.

The City is eligible to receive \$39,474 in grant funds for the projects proposed under this first funding cycle. This money will be used to complete cape seal resurfacing of 39,474 square yards of residential streets located within Carriage Square, Marina West, and Terrace Estates.

**FINANCIAL IMPACT**

The construction cost is approximately \$9.00 per square yard for a total cost of \$355,275. The grant program only funds \$1.00/sq. yd; therefore, the City will be responsible for the remaining cost of \$315,801. These streets have already been identified for resurfacing under the street maintenance program and gas tax funds have been appropriated. If the City were to receive a grant award, such funds would reduce the amount of gas tax funds needed to complete these projects.

GD

Attachment #1 –Resolution

CITY COUNCIL OF THE CITY OF OXNARD

RESOLUTION NO.

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF OXNARD  
APPROVING SUBMITTAL OF A RUBBERIZED ASPHALT CONCRETE (RAC)  
CHIP SEAL GRANT PROGRAM APPLICATION

WHEREAS, Public Resources Code sections 40000 et seq. authorize the California Integrated Waste Management Board (CIWMB) to administer various Grant Programs in furtherance of the State of California's (State) efforts to reduce, recycle and reuse solid waste generated in the State thereby preserving landfill capacity and protecting public health and safety and the environment; and

WHEREAS, in furtherance of this authority the CIWMB is required to establish procedures governing the application, awarding, and management of the grants; and

WHEREAS, Grant Application procedures require an Applicant's governing body to authorize by resolution its approval for submittal of the Grant Application(s) identified below, and the designation by job title of the individual authorized to execute all Grant documents on behalf of the City of Oxnard; and

WHEREAS, if awarded, the City of Oxnard will enter into a Grant Agreement with the CIWMB for implementation of said Grant(s).

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Oxnard authorizes the submittal of application(s) to the CIWMB for all grants for which the City of Oxnard is eligible.

BE IT FURTHER RESOLVED that this authorization is effective for a period of five years, commencing on this date, April 22, 2008 and continuing until April 21, 2013.

BE IT FURTHER RESOLVED that the City Manager, or his/her designee is hereby authorized and empowered to execute in the name of the City of Oxnard all grant documents, including but not limited to, applications, agreements, amendments and requests for payment, necessary to secure grant funds and implement the approved grant project.

PASSED AND ADOPTED THIS 22<sup>nd</sup> day of April, 2008 by the following vote:

AYES:

NOES:

ABSENT:

CITY OF OXNARD

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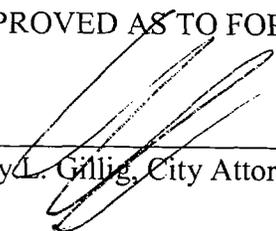
Thomas E. Holden, Mayor

ATTEST:

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Daniel Martinez, City Clerk

APPROVED AS TO FORM:



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Gary L. Gillig, City Attorney