

# REPORT

To the Honorable Mayor and City Council  
From the City Manager

November 14, 2005

## Subject

Approval of two (2) California Integrated Waste Management Grant Applications for upcoming Roadway Overlay and Sidewalk Repair Programs using Tire Derived Products, and adoption of a waste reduction and recycling directive.

## Recommendation

1. Adopt two separate resolutions:
  - a. Approving the submission of a Tire-Derived Product (TDP) Grant Program Application for Roadway Resurfacing in the amount of \$100,000, and designating the City Engineer as the authorized representative for the City to sign Grant Applications.
  - b. Approving the submission of a Tire-Derived Product (TDP) Grant Application for Rubber Sidewalk Modular Paving in the amount of \$100,000, and designating the City Engineer as the authorized representative for the City to sign Grant Applications.
2. Adopt a Waste Reduction and Recycling Directive as shown in Exhibit "A", attached hereto and incorporated herein.

## Background

The City of Redwood City is eligible to apply for the California Integrated Waste Management Board's (CIWMB), Tire-Derived Product Grant Program. The CIWMB, under the California Environmental Protection Agency is sponsoring this Grant Program to divert or re-use tires that are classified as waste in California dump sites. To aid in the reduction of waste tire material, funds of up to \$7 million will be made available to California cities. Each city may qualify for up to \$100,000 for respective programs.

Each year the City's Engineering & Construction Services performs roadway resurfacing programs to maintain the quality of our asphalt pavement. Currently the City's roadways are among the best in the Bay Area. The design target goal for Fiscal Year 2005-2006, is to resurface 10 miles of roadway. Of the 10 miles, seven miles could utilize rubberized recycled material. The first grant we are applying for will re-use 8,000 to 10,000 used tires.

The second grant submittal is for the City's Annual Sidewalk Repair Program, managed by the Public Works Services Department. To qualify for this Grant, the City must replace

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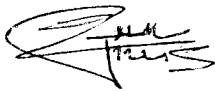
more than 2,850 square feet of failing or damaged concrete sidewalk with rubberized sidewalk. Rubberized sidewalks were installed at about 70 locations in 2005, which amounted to approximately 4,000 square feet of rubber sidewalk. The rubber material serves as a suitable walking surface; reduces future sidewalk maintenance costs, and reduces the root pruning of adjacent trees. Each five square-foot sidewalk section utilizes approximately 4.4 recycled tires. Four thousand square feet (4,000 sf) of rubber sidewalks diverts about 3,500 used tires at a cost of approximately \$33,000.

**Alternative**

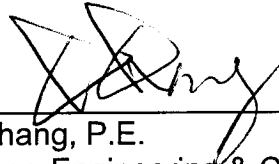
Do not approve the applications for the grants. Staff intends to continue to use the rubber materials in our projects whether the grant money is approved, or not. The awarding of the grants will extend the money the City has budgeted for both roadway and sidewalk repairs.

**Fiscal Impact**

There are no fiscal impacts to the City for submitting the Application. Staff will be submitting the two applications for Grant funding in the amount of up to \$100,000 each.



Paul Willis, P.E.  
Associate Civil Engineer



Chu Chang, P.E.  
Manager, Engineering & Construction



Joel Patterson  
Community Development Services Director



Ed Everett  
City Manager

Attachment  
Exhibit A - Waste Reduction and Recycling Directive

JP/PW:ss  
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## EXHIBIT A

### WASTE REDUCTION AND RECYCLING DIRECTIVE

#### Purpose

The City of Redwood City ("the City") will act to make resource conservation an integral part of the physical operation of the waste reduction and recycling programs. The practice of discarding materials used in City facilities is wasteful of natural resources, energy, and money. It is also a function of the City to set an example of stewardship of our natural resources.

#### **It will be the policy of the City of Redwood City to implement the following actions:**

- The City will integrate the concept of resource conservation, including waste reduction and recycling, into its environmental programs.
- The City will decrease the amount of waste of consumable materials by: a) reduction of the consumption of consumable materials wherever possible; b) full utilization of all materials prior to disposal; and c) minimization of the use of non-biodegradable products wherever possible.
- The City will cooperate with, and participate in, recycling efforts being made by the County of San Mateo. As systems for the recovery of waste and recycling are developed within the jurisdiction, they will participate by appropriately separating and allowing recovery of recyclable waste products.
- The City will purchase, where financially viable, recycled products. The City will also encourage suppliers, both private and public, to make recyclable products and unbleached paper products available for purchase.
- Representatives of the City will actively advocate where appropriate for resource conservation practices to be adopted at the local, regional, and state levels.

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RESOLUTION NO. \_\_\_\_\_

**RESOLUTION APPROVING AND AUTHORIZING SUBMITTAL OF APPLICATION TO THE CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD FOR GRANT FUNDING FOR RUBBERIZED ASPHALT ROADWAY RESURFACING PROJECTS USING TIRE-DERIVED PRODUCTS (TDP)**

**WHEREAS**, Senate Bill 876 (Escutia, Statutes of 2000, Chapter 838) authorizes the California Integrated Waste Management Board to establish a grant program to provide opportunities to divert waste tires from landfill disposal, prevent illegal tire dumping, and to promote markets for recycled-content waste tire products; and

**WHEREAS**, the California Integrated Waste Management Board has been delegated the responsibility for the administration of the program within the State, setting up necessary procedures governing application by California cities, counties, city and county, special districts or political subdivisions thereof, and qualifying California Indian tribes; and

**WHEREAS**, said procedures established by the California Integrated Waste Management Board require the applicant to certify by resolution approval of the application before submission of said application to the State; and

**WHEREAS**, if awarded a grant, the applicant will enter into an agreement with the State of California for development of the project.

**NOW, THEREFORE, BE IT RESOLVED** that the City of Redwood City authorizes the submittal of an application to the California Integrated Waste Management Board for a FY 2005/2006 Grant for funding Rubberized Asphalt Parkway Resurfacing Projects using Tire-Derived Product (TDP). The City Engineer or his or her designee is hereby authorized and empowered to execute in the name of the City of Redwood City all necessary applications, contracts, agreements, amendments and payment requests hereto for the purposes of securing grant funds and to implement and carry out the purposes specified in the grant application.

\* \* \*

RESOLUTION NO. \_\_\_\_\_

**RESOLUTION APPROVING AND AUTHORIZING SUBMITTAL OF APPLICATION TO THE CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD FOR GRANT FUNDING FOR RUBBER SIDEWALK MODULAR PAVING PROJECTS USING TIRE-DERIVED PRODUCTS (TDP)**

**WHEREAS**, Senate Bill 876 (Escutia, Statutes of 2000, Chapter 838) authorizes the California Integrated Waste Management Board to establish a grant program to provide opportunities to divert waste tires from landfill disposal, prevent illegal tire dumping, and to promote markets for recycled-content waste tire products; and

**WHEREAS**, the California Integrated Waste Management Board has been delegated the responsibility for the administration of the program within the State, setting up necessary procedures governing application by California cities, counties, city and county, special districts or political subdivisions thereof, and qualifying California Indian tribes; and

**WHEREAS**, said procedures established by the California Integrated Waste Management Board require the applicant to certify by resolution approval of the application before submission of said application to the State; and

**WHEREAS**, if awarded a grant, the applicant will enter into an agreement with the State of California for development of the project.

**NOW, THEREFORE, BE IT RESOLVED** that the Council of the City of Redwood City authorizes the submittal of an application to the California Integrated Waste Management Board for a FY 2005/2006 Grant for Rubber Sidewalk Modular Paving Projects using Tire-Derived Product (TDP). The City Engineer or his or her designee is hereby authorized and empowered to execute in the name of the City of Redwood City all necessary applications, contracts, agreements, amendments and payment requests hereto for the purposes of securing grant funds and to implement and carry out the purposes specified in the grant application.

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