Agenda Item No._____

File Code No. 540.14

CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: June 7, 2011

TO: Mayor and Councilmembers

FROM: Creeks Division, Parks and Recreation Department

SUBJECT: Submission Of Grant Application For Non-Point Source Water Pollution Reduction Project

RECOMMENDATION:

That Council adopt, by reading of title only, A Resolution of the Council of the City of Santa Barbara Authorizing the Parks and Recreation Director, or Designee, to Submit an Application to the State Water Resources Control Board for Grant Funding of $500,000 from the Clean Water State Revolving Fund (CWSRF) for the Infrastructure Retrofit – Storm Water Quality Improvement Project.

DISCUSSION:

Introduction

The California Clean Water State Revolving Fund (CWSRF) provides grants for non-point source pollution prevention projects and has funds available in its 2010/2011 budget for these projects throughout the State. Among other things, the CWSRF guidelines require a City Council resolution authorizing the applicant's representative to sign and file a grant application.

Background

Stormwater and urban runoff from impervious surfaces are major sources of surface water quality degradation. Runoff from parking lots often contains pollutants including hydrocarbons, fine sediments, polycyclic aromatic hydrocarbons (PAHs), metals, nutrients, and additional pollutants that are toxic to aquatic organisms and potentially harmful to human health.

Proposed Project

The Creeks Division intends to install permeable pavers in the City of Santa Barbara's MacKenzie Park Parking Lot to treat stormwater and urban runoff. The primary purpose

of the pavers will be to detain and filter polluted stormwater and incidental urban runoff through passive infiltration, without compromising the existing use of the parking lot or surrounding structures. A secondary purpose of this project will be to serve as a demonstration of how to retrofit existing parking lots to improve water quality while minimizing the cost of construction and post construction maintenance.

MacKenzie Park Parking Lot was chosen for several reasons including its deep groundwater table, simple shape and stormwater runoff conveyance, and location situated a safe distance from existing underground contamination plumes. Due to some constraints of the site, the volume of runoff to be treated, and the need to construct a project with little operational energy or maintenance requirements, an infiltration system utilizing permeable pavers was determined to be the most suitable treatment method for the parking lot.

The design will add six parking spaces to the lower parking lot for a new total of 75 spaces. Construction is planned to begin on August 22, 2011, and is expected to last two weeks.

BUDGET/FINANCIAL INFORMATION:

The Creeks Division is proposing to request a total of $500,000 in grant funding through the CWSRF program. These grant funds would be sufficient to cover the cost of constructing the project.

SUSTAINABILITY IMPACT:

Stormwater and urban runoff from impervious surfaces are a major source of surface water quality degradation. Infiltrating polluted runoff provides passive treatment at the source, which enhances watersheds and beaches, reduces damaging peak stormwater flows, recharges groundwater, and requires no power consumption for operation.

PREPARED BY: Cameron Benson, Creeks Restoration/Water Quality Manager

SUBMITTED BY: Nancy L. Rapp, Parks and Recreation Director

APPROVED BY: City Administrator's Office