Agenda Item No. 5

File Code No. 540.10

CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: December 11, 2012

TO: Mayor and Councilmembers

FROM: Creeks Division, Parks and Recreation Department

SUBJECT: Resolution Authorizing Execution Of Grant Agreement In The Amount Of $1,889,299 With The State Of California For Low Impact Development Storm Water Infiltration 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 Negotiate and Execute an Agreement, and Any Amendments Thereto, with the State of California for the Low Impact Development (LID) Storm Water Infiltration Project.

DISCUSSION:

Background

Storm water 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, bacteria, metals, nutrients, and other pollutants that are toxic to aquatic organisms and potentially harmful to human health.

Project Description

The purpose of the project is to design and install permeable paver projects to treat storm water and urban runoff through infiltration. The project will retrofit parking lots and paved areas at three City parks and recreation facilities. The project will replace over 100,000 square feet of existing asphalt with permeable pavers and vegetation. This will allow storm water and urban runoff to infiltrate into the soil, providing water treatment and groundwater recharge. The project is located at the following sites:

1) Oak Park
    - Main Parking Lot
    - Oak Park Stage Area and Main Picnic Area
    - Oak Park Tennis Court Parking Lot

2) Stevens Park Parking Lot
3) Westside Neighborhood Center Parking Lot.

These sites were selected because they are high use areas, provide an opportunity to remove a significant area of impermeable surfaces, and drain directly into Mission and San Roque Creeks. The primary purpose of the pavers is to detain and filter polluted storm water 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 is 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.

Grant Funding

Proposition 84, the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006, was approved by California voters in the general election on November 7, 2006. Proposition 84 provides the State Water Board $90 million for matching grants to local public agencies for the reduction and prevention of storm water contamination of rivers, lakes, and streams (PRC § 75050[m]). Projects must either implement LID strategies or assist in compliance of established storm water Total Maximum Daily Loads. State Water Resources Control Board (SWRCB) staff plans to distribute Storm Water Grant Program (SWGP) funding through at least two rounds of funding, with up to $45 million available in Round 1, and the remaining funding available in Round 2.

Although competition was extremely high for these funds, the Creeks Division was awarded a $1,889,299 grant for the LID Storm Water Infiltration Project. This project was selected because it implements LID strategies and improves water quality in Santa Barbara creeks. With the successful design and installation of permeable pavers at the MacKenzie Park Parking Lot in 2011, the Creeks Division has demonstrated the capacity to implement LID projects.

The SWGP guidelines require a resolution authorizing the applicant's representative to negotiate and execute a grant agreement. Once a grant agreement has been executed, the project will be put out to bid for construction. The Creeks Division anticipates construction to take place between May and October 2013.

BUDGET/FINANCIAL INFORMATION:

The total estimated cost of the project is $2,562,177. The SWRCB grant will provide $1,889,299 toward the design and construction of the LID Storm Water Infiltration Project. It is estimated that the project will require Measure B matching funds in the amount of $672,878. Final project costs will be determined once construction bids are received. Once the grant agreement is complete and construction bids are received, the Creeks Division will return to Council to appropriate the grant funds. Measure B

matching funds for the project are available in the Creeks Division Capital Improvement Program and Creeks Fund Reserve.

SUSTAINABILITY IMPACT:

Storm water 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 storm water flows, recharges groundwater, and requires no power consumption for operation.

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

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

APPROVED BY: City Administrator's Office