



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: July 15, 2014

TO: Mayor and Councilmembers

FROM: Creeks Division, Parks and Recreation Department
Facilities Division, Public Works Department

SUBJECT: Resolutions Authorizing Execution Of Two Grant Agreements With The State Of California For Storm Water Infiltration Projects And Acceptance Of Grant Funds Totaling \$3,458,640

RECOMMENDATION: That Council:

- A. 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 City of Santa Barbara Low Impact Development – Streets, Sidewalks, and Alleys Project;
- B. Accept a Proposition 84 Storm Water Grant for an amount not to exceed \$2,307,010 for the Low Impact Development – Streets, Sidewalks, and Alleys Project;
- C. Authorize the increase of estimated revenues and appropriations in the Fiscal Year 2015 Creeks Capital Fund by \$2,307,010, for the Low Impact Development – Streets, Sidewalks, and Alleys Project funded from the grant;
- D. Adopt, by reading of title only, A Resolution of the Council of the City of Santa Barbara Authorizing the Public Works Director, or Designee, to Negotiate and Execute an Agreement, and Any Amendments Thereto, with the State of California for the Laguna Lot Infiltration Paver Project;
- E. Accept a Proposition 84 Storm Water Grant for an amount not to exceed \$1,151,630 for the Laguna Lot Infiltration Paver Project; and
- F. Authorize the increase of estimated revenues and appropriations in the Fiscal Year 2015 Facilities Fund by \$1,151,630 for the Laguna Lot Infiltration Paver Project.

DISCUSSION:

Background

Storm water and urban runoff from impervious surfaces are major sources of surface water quality degradation. Runoff from streets, alleys, sidewalks, and 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 Descriptions

The purpose of these projects is to design and install permeable paver systems to treat storm water and urban runoff through infiltration.

Project 1 - The Low Impact Development (LID) – Streets, Sidewalks, and Alleys Project will retrofit paved areas at three sites. This project will replace over 90,000 square feet of existing asphalt and concrete with permeable pavers. 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) The sidewalks surrounding Alice Keck Park Memorial Gardens
- 2) Plaza de Vera Cruz Alley
- 3) The 600 and 700 blocks of North Quarantina Street

Project 2 - The Laguna Lot Infiltration Paver Project will retrofit the City-owned parking lot located on the 600 block of Laguna Street that serves as employee and public parking, as well as maintenance fleet parking for several Parks and Recreation Department and Public Works Department divisions. This project will replace almost 62,000 square feet of existing asphalt and concrete with permeable pavers, also allowing for storm water and urban runoff to infiltrate into the soil.

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 Laguna 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 streets, sidewalks, alleys, parking lot, or surrounding structures. A secondary purpose of this project is to serve as a demonstration of how to retrofit existing streets, sidewalks, alleys, and 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]). After bond and program administration costs, approximately \$82 million was made available for projects. Projects must either implement LID strategies or assist in compliance of established storm water Total Maximum Daily Loads. The State Water Resources Control Board (SWRCB) has distributed Storm Water Grant Program (SWGP) funding through two rounds of funding. The program does require recipients to provide 20% matching funds for the grant awards.

Although competition was extremely high for these funds, the Creeks Division was awarded a \$2,307,010 grant for the LID – Streets, Sidewalks, and Alleys Project, and the Facilities Division was awarded \$1,151,630 for the Laguna Lot Infiltration Paver Project. These projects were selected because they implement LID strategies and improve water quality in Santa Barbara creeks. With the successful design and installation of permeable pavers at the MacKenzie Park Parking Lot in 2011, and the Storm Water Infiltration Project at Oak Park, Stevens Park, and the Westside Neighborhood Center in 2013 (partially funded by Proposition 84 Round 1 grant funds), the City 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 and construction plans and specifications have been completed, the project will be put out to bid for construction. Construction is anticipated to take place between April 2015 and September 2016 for both projects.

BUDGET/FINANCIAL INFORMATION:

Project 1- The total estimated cost of the project is \$2,920,992. The grant will provide \$2,307,010 toward the design and construction of the LID - Streets, Sidewalks, and Alleys Project. It is estimated that the project will require Measure B matching funds in the amount of \$613,982. Final project costs will be determined once construction bids are received. Measure B matching funds for the project are available in the Creeks Division Capital Improvement Program and Creeks Fund Reserve.

Project 2 - The total estimated cost of the project is \$1,463,744. The grant will provide \$1,151,630 toward the design and construction of the Laguna Lot Infiltration Paver Project. The match funding required for the grant is \$312,114. Staff anticipate providing the match through a combination of in-kind services and appropriations from the Facilities Capital Fund reserves. Staff will request appropriation reserves at the time the construction contract is awarded.

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.

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APPROVED BY: City Administrator's Office