



Board Summary Report

To: Board of Directors

From: Ashley Byerley, WQ Program & Special Projects Coordinator

Date: June 11, 2013

Re: Resolution to Amend the Award for Construction Contract to Retrofit the Stormwater Facilities at SouthCreek

Board Meeting Date: June 26, 2013

.....

Purpose and Recommendation

The purpose of the Resolution is to request additional funding under the awarded contract for the retrofit of three stormwater facilities at the SouthCreek Development in Arapahoe County for the purpose of enhancing water quality as a Grant Program project. The Board approved project funding totaling \$65,781.10 as Resolution 13-02, and field conditions have resulted in a request to fund an additional \$9,044.25. It is recommended that the Board approve the Resolution and approve the additional expenditures for the identified improvements.

Background

The **Grant Fund Program for Retrofit of Stormwater Facilities** (Grant Program) is a technical assistance and funding program for retrofitting existing stormwater management facilities. The Grant Program uses budgeted funds each year to assist property owners or other responsible parties with the costs of upgrading stormwater facilities that have the potential to provide a benefit to SEMSWA ratepayers, including pre-treatment, treatment, overland conveyance, maintenance and landscaping enhancements to provide additional water quality controls. The EPA has identified retrofits of existing stormwater controls to be a goal in their future implementation of the Clean Water Act, although it is not now anticipated to be in the new Rulemaking. However, we are confident that the implementation of retrofits under the Grant Program will allow staff to speak authoritatively on any new requirements by having actual projects in place that support a SEMSWA approach to retrofits.

The SouthCreek ponds were identified as potential retrofit opportunity in 2011. The SouthCreek Grant Program project is the retrofit of low functioning, difficult-and-costly-to-maintain, and unattractive ponds to three higher functioning water quality facilities. The contract was awarded to Naranajo for \$65,781.10, including a 10% contingency allocation.

Discussion

The SouthCreek contract included a “design build” concept by which the construction drawings were 30% plans with funds budgeted to allow for the design engineer to participate extensively in field level implementation of the design concept. This approach is in contrast to 100% design plans, which relies on less engineer assistance in the field. The ‘design build’ approach will be a cornerstone of the Grant Program retrofits for quite a while into the future until there is enough field-fit experience to be able to utilize complete itemized bid tabs.

Several meaningful field modifications were identified at SouthCreek, including additional stabilization needs, outlet structure hardware, and erosion control during the spring snow events. Since this is the first Grant Project SEMSWA has implemented, the standard 10% contingency was funded in the contract. In hindsight, because of the unique design build concept for Grant Projects, something closer to a 25% contingency would be more typical to address any potential field changes as we refine the retrofit approach for SEMSWA projects going forward. A 25% to 30% contingency is the approximate percentage the Cherry Creek Basin Water Quality Authority is using for their design build projects as well as Urban Drainage and Flood Control District. With future Grant Projects, a higher contingency will be included until our experience with retrofits allows the more standard contingency bid tabulation. The requested additional funds are approximately 14% higher than the Board authorized 10% contingency expenditure for the project. The identified additional improvements will allow the ponds to function in a manner consistent with the design intent, and should provide for a better long-term maintainability for the HOA.

Fiscal Impacts

It is staff’s opinion that it is in the best interest of SEMSWA to participate in and fund the additional improvements identified in the field for the stormwater facility retrofits, so that SEMSWA can take full advantage of the water quality benefits of retrofit projects. The additional \$9,044.25 for the project will be funded from the 2013 Water Quality Program Professional Services account that funds special projects and innovative approaches to water quality enhancements.

Concurrence

Discussions with the Executive Director and the Finance Director indicate concurrence with the construction contract award.

SOUTHEAST METRO STORMWATER AUTHORITY
acting by and through
SEMSWA WATER ACTIVITY ENTERPRISE

RESOLUTION 13-19
Authorization for Additional Funding for the Construction
of the SouthCreek Pond Retrofits

WHEREAS, Resolution 13-02 established a total project funding for the proposed water quality retrofit improvements at SouthCreek of \$65,781.10 and awarded a contract in that amount to Naranjo Civil Constructors, Inc. for the construction of the improvements; and

WHEREAS, the retrofits were approved as a design build, intended to maximize the use of Grant Funds; and

WHEREAS, upon construction of the improvements additional improvements were deemed necessary based on field conditions; and

WHEREAS, the total cost of the additional improvements including a 10% contingency is \$9,044.25; and

WHEREAS, SEMSWA has adopted a budget for the calendar year 2013 subsequent to public hearing that includes sufficient funds to address the additional improvements described above.

NOW, THEREFORE BE IT RESOLVED THAT:

1. The funding for the additional improvements at SouthCreek is increased by \$9,044.25.
2. The maximum funding for the Project, including contingencies, is limited to \$74,825.35 without prior approval of the Board.

SOUTHEAST METRO STORMWATER AUTHORITY
acting by and through
SEMSWA WATER ACTIVITY ENTERPRISE

Date: _____

ATTEST:

Secretary

Chairperson

APPROVED AS TO FORM:

Attorney for
Southeast Metro Stormwater Authority

By _____
Edward J. Krisor

Exhibit A

