



City Council

Approval of State Revolving Fund Loan Agreement for State Avenue Stormwater Retrofit

Agenda Date: 5/6/2014
Agenda Item Number: 4.H
File Number: 14-0366

Type: contract **Version:** 1 **Status:** Passed

Title

Approval of State Revolving Fund Loan Agreement for State Avenue Stormwater Retrofit

Recommended Action

Committee Recommendation:

Not referred to a committee.

City Manager Recommendation:

Move to approve the Washington State Water Pollution Control Revolving Fund Loan Agreement for the State Avenue Stormwater Retrofit project and authorize the City Manager or his designee to sign related documents.

Report

Issue:

The Storm and Surface Water Utility has been approved for a loan to design and construct water quality treatment facilities to treat runoff from the State Avenue corridor between East Bay Drive and Central Street. Execution of an agreement is necessary to receive funding.

Staff Contact:

Eric Christensen, Water Resources Engineer, Public Works, 360.570.3741
Andy Haub, Water Resources Director, Public Works, 360.753.8475

Presenter(s):

None - Consent Item

Background and Analysis:

The project will provide water quality treatment for stormwater runoff from approximately nine blocks of State Avenue between East Bay Drive and Central Street in East Olympia. Runoff from State Avenue currently discharges directly, without any water quality treatment, to the piped Indian/Moxlie Creek and then Budd Inlet's East Bay, all of which are categorized by the Department of Ecology (Ecology) as impaired water bodies.

The project will install Filterra Bioretention Filtration System units (Filterras) to capture and treat

runoff from the roadway. The Filterras will be located east of each intersection between the sidewalk and curb. Filterras combine stormwater filtration using specialized filter media and landscape vegetation in an attractive, self-contained manufactured unit. Treated stormwater will be discharged to the existing stormwater conveyance system.

There are several reasons the State Avenue stormwater retrofit project is seen as a good opportunity:

- The stormwater project is being incorporated into planned pedestrian access and safety upgrades to State Avenue. State Avenue will also be re-paved as part of the transportation work. Linking the stormwater retrofit and the street upgrades offers a cost efficient, comprehensive approach to the street improvements.
- The project is consistent with the Storm and Surface Water Utility's water quality goal: "Improve water quality Citywide, while focusing infrastructure upgrades to reduce stormwater contaminant loads from untreated areas of the City."
- The project is consistent with the conclusions of the 2010 City of Olympia GIS Basin Analysis Report which identified the need to prioritize stormwater retrofits in highly developed urbanized areas, including roads.
- All arterial roadways within the City limits have been evaluated based on average daily traffic, number of travel lanes, drainage infrastructure, drainage basin and current level of water quality treatment. With more than 13,500 vehicle trips per day, the State Avenue corridor ranks as one of the highest-traveled arterial roadways within the City with no water quality treatment.
- The project was identified as a priority project in the approved 2014 Capital Facilities Plan.
- The project was selected by Ecology for Centennial Loan funding.

Neighborhood/Community Interests (if known):

Projects to improve the water quality of Budd Inlet have consistently received the support of the Utility Advisory Committee and the community.

Options:

Accept the Department of Ecology's offer for a Washington State Water Pollution Control Revolving Fund Loan and authorize the City Manager or his designee to sign related agreement documents.

Reject the Department of Ecology's offer for a Washington State Water Pollution Control Revolving Fund Loan. This option would eliminate the opportunity to realize the stormwater retrofit in conjunction with the State Avenue overlay project.

Financial Impact:

The amount of the loan is \$619,485 at 2.3% interest. The estimated cost for design and construction of the State Avenue stormwater retrofit project is approximately \$620,000. The Utility has budgeted for annual payments of \$40,097.04 over the loan's 20-year term (2.3% annual interest rate). Maintenance costs for Filterras, as verified by the City's experience, are roughly one-third the cost of comparable treatment systems.

Attachments:

Olympia State Avenue SW Retrofit Agreement