



**TO:** Elizabeth A. Pauli, City Manager  
**FROM:** Michael P. Slevin III, P.E., Director, Environmental Services  
Eric C. Johnson, P.E., Interim Division Manager, Science and Engineering  
**COPY:** City Council and City Clerk  
**SUBJECT:** Request for Resolution: Grant Acceptance Water Quality Combined Financial Assistance Agreement WQC-2019-TacoES-00096 for the Manitou Green Infrastructure Project – April 2, 2019  
**DATE:** March 15, 2019

**SUMMARY:**

A resolution authorizing the execution of a grant agreement and any associated term extensions with the Washington State Department of Ecology, in the amount of \$1,589,000; accepting and depositing said sum into the ES Surface Water Fund 4301; and authorizing the expenditure of \$529,667 in matching funds, for a cumulative total of \$2,118,667, to install permeable pavement in the Manitou neighborhood between South 64<sup>th</sup> and 66<sup>th</sup> Streets and Mullen and Mason Streets.

**STRATEGIC POLICY PRIORITY:**

- Assure outstanding stewardship of the natural and built environment.

The Manitou Green Infrastructure Project will improve water quality and promote stormwater infiltration. Permeable pavement will be utilized to revitalize this residential neighborhood.

**BACKGROUND:**

This project will reduce stormwater flow and improve stormwater quality in the Flett Creek Watershed through installation of permeable pavement in the Manitou neighborhood between South 64<sup>th</sup> and 66<sup>th</sup> Streets and Mullen and Mason Streets.

The Manitou Green Infrastructure Project offers a unique opportunity to retrofit residential streets into green infrastructure using permeable pavement. The proposed design has capacity to infiltrate over 2,500 linear feet of road and sidewalk surface plus the surrounding residential area, for a total of eight acres to be infiltrated. In addition to reducing surface water runoff and its associated load of fine particulate matter, infiltrated water will improve base flow, which is significant to the health of the creeks and wetlands in the area.

**ISSUE:**

Stormwater conveyance in the Flett Creek Watershed is constricted due to capacity constraints within Flett Creek. The City has previously constructed infiltration improvements within this watershed; however, additional flow reduction is crucial to minimizing the risk of flooding in Flett Creek.

**ALTERNATIVES:**

Constructing this project utilizing state funding paired with stormwater ratepayer funds represents an opportunity to improve water quality and reduce stormwater flow in this flood prone watershed. If the grant is not accepted, the City will fully fund this work with ratepayer funds or choose not to design this project. The likelihood of the City being offered grant funding a second time for this project at a later date is minimal and, if constructed fully with ratepayer funds, would reduce the amount of other necessary stormwater improvements the City could construct.



**RECOMMENDATION:**

A resolution authorizing the execution of a grant agreement and any associated term extensions with the Washington State Department of Ecology, in the amount of \$1,589,000; accepting and depositing said sum into the ES Surface Water Fund 4301; and authorizing the expenditure of \$529,667 in matching funds, for a cumulative total of \$2,118,667, to install permeable pavement in the Manitou neighborhood between South 64<sup>th</sup> and 66<sup>th</sup> Streets and Mullen and Mason Streets.

**FISCAL IMPACT:**

**EXPENDITURES:**

FUND NUMBER & FUND NAME	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
ES Surface Water Fund 4301	ENV-TBD	Various	\$2,118,667
<b>TOTAL</b>			<b>\$2,118,667</b>

**REVENUES:**

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
Department of Ecology Water Quality Combined Financial Assistance Grant #WQC-2019-TacoES-00130	521900	6371302	\$1,589,000
ES Surface Water Fund 4301	521900	Rates and Bonds	\$529,667
<b>TOTAL</b>			<b>\$2,118,667</b>

**FISCAL IMPACT TO CURRENT BIENNIAL BUDGET:** Additional revenue of \$1,589,000.

**ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED?** The expenses will be covered under Surface Water’s existing budget. The additional revenue was budgeted.