



**TO:** Board of Contracts and Awards  
**FROM:** Michael P. Slevin III, P.E., Director, Environmental Services  
Geoffrey M. Smyth, P.E., Division Manager, Science & Engineering  
**COPY:** City Council, City Manager, City Clerk, SBE Coordinator, LEAP Coordinator,  
Joe Parris, Finance/Purchasing, and Amy Anderson, Project Manager  
**SUBJECT:** Tacoma Landfill Cover Ponding Repairs  
Request for Bids Specification No. ES15-0354F – July 28 2015  
**DATE:** July 10, 2015

**SUMMARY:**

The Environmental Services Department recommends a contract be awarded to Glacier Construction Services, Inc., Mukilteo, WA, in the amount of \$872,024.00 plus a 20 percent contingency, for a cumulative total of \$1,046,428.80, excluding applicable sales tax, budgeted from the ES Solid Waste Fund 4200, for construction of repairs to the existing Tacoma landfill cover.

**STRATEGIC POLICY PRIORITY:**

- Assure outstanding stewardship of the natural and built environment

The proposed repairs to Tacoma’s landfill cover will ensure the integrity of the existing cover which is designed to help protect the surrounding environment from escaping methane gas and the intrusion of rainwater into the underlying refuse.

**BACKGROUND:**

**ISSUE:** A large part of Tacoma’s landfill has a geomembrane liner cover over the top of previously deposited and compacted refuse. This cover provides a cap over the permanently closed portions of the landfill, and prevents the intrusion of rainwater and the escape of methane gas. Settlement over time has resulted in the ponding of rainwater in some areas. This ponding is placing strain on the cover system increasing the probably of tearing. This project will provide the installation of a drainage system that will convey the ponding rainwater to the stormwater system. This repair work is required by the landfill Consent Decree between the City, Environmental Protection Agency (EPA), and the Washington State Department of Ecology.

**ALTERNATIVES:** Several alternatives were evaluated to address the risk of tearing the existing membrane system. These alternatives included; no action, the addition of sump pumps to regularly pump out rainwater, and installation of a gravity drainage system to convey the ponding rainwater to the stormwater system. The proposed alternative for a gravity drainage system provides best long-term solution from a life cycle cost and risk perspective.

**COMPETITIVE SOLICITATION:** Request for Bids Specification No. ES15-0354F was opened June 23, 2015. The project was advertised in the Tacoma Daily Index, Northwest Contractor’s Network, and the City’s Purchasing website.



The City received five bid proposals. Glacier Construction Services, Inc. submitted the lowest responsive bid. The following table reflects the amount of the base award:

<u>Respondent</u>	<u>Location</u> <i>(city and state)</i>	<u>Submittal Amount</u> <i>(excluding sales tax)</i>	<u>Evaluated Submittal</u> <i>(excluding sales tax)</i>
<b>Glacier Construction Services, Inc.</b>	<b>Mukilteo, WA</b>	<b>\$872,024.00</b>	<b>\$828,422.80</b>
Pivetta Brothers Construction, Inc.	Sumner, WA	\$1,037,103.00	\$985,247.85
Nova Contracting, Inc.	Olympia, WA	\$1,040,600.00	\$1,040,600.00
Road Construction Northwest, Inc.	Renton, WA	\$1,216,808.00	\$1,155,967.60
Stearns, Conrad and Schmidt, Consulting Engineers, Inc. dba SCS Field Services	Long Beach, CA	\$1,651,650.00	\$1,569,067.50

Pre-bid Estimate: \$881,280.00, excluding applicable sales tax.

The recommended award is 1.1 percent below the pre-bid estimate.

**CONTRACT HISTORY:** New contract.

**SUSTAINABILITY:** When completed, this project will result in positive drainage flow for all areas of the landfill and the strain on the geomembrane liner system will be mitigated. Future landfill settlement is projected to be minimal. With the completion of this project the integrity of the landfill cover system will be maintained.

**SBE/LEAP COMPLIANCE:** The recommended contractor is in compliance with the Small Business Enterprise (SBE) Regulation requirements per memorandum dated July 10, 2015. The SBE goal for this project is 7 percent. The SBE participation level of the recommended contractor is 9.61 percent. Glacier Construction Services, Inc. submitted the lowest evaluated bid per the SBE Regulation requirements. The Local Employment and Apprenticeship Training Program (LEAP) goal is 400 hours.

**RECOMMENDATION:**

The Environmental Services Department recommends a contract be awarded to Glacier Construction Services, Inc., Mukilteo, WA, in the amount of \$872,024.00 plus a 20 percent contingency, for a cumulative total of \$1,046,428.80, excluding applicable sales tax, budgeted from the ES Solid Waste Fund 4200, for construction of repairs to the existing Tacoma landfill cover.



**FISCAL IMPACT:**

**EXPENDITURES:**

<b>FUND NUMBER &amp; FUND NAME *</b>	<b>COST OBJECT (CC/WBS/ORDER)</b>	<b>COST ELEMENT</b>	<b>TOTAL AMOUNT*</b>
4200 Solid Waste Fund	ENV-02009-06-03	5330100	\$1,046,428.80
<b>TOTAL</b>			<b>\$1,046,428.80</b>

\* Excluding Applicable Sales Tax

**REVENUES:**

<b>FUNDING SOURCE</b>	<b>COST OBJECT (CC/WBS/ORDER)</b>	<b>COST ELEMENT</b>	<b>TOTAL AMOUNT*</b>
4200 Solid Waste Fund	512000	Rate Revenue	\$1,046,428.80
<b>TOTAL</b>			<b>\$1,046,428.80</b>

\* Excluding Applicable Sales Tax

**FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$1,046,428.80**

**ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes**

