



TO: Board of Contracts and Awards
FROM: Geoffrey M. Smyth, P.E., Division Manager, Science & Engineering
 Michael P. Slevin III, P.E., Director, Environmental Services *Jo for MPS*
COPY: City Council, City Manager, City Clerk, SBE Coordinator, LEAP Coordinator,
 Lance Bunch, P.E., Project Manager, and Jessica Tonka, Finance/Purchasing
SUBJECT: Solid Waste Main Receiving Building Tipping Floor Replacement
 Request for Bids Specification No. ES17-0134F – July 11, 2017
DATE: June 23, 2017

SUMMARY:

The Environmental Services Department recommends a contract be awarded to Cascade Industrial Services, LLC, Rathdrum, ID, in the amount of \$275,000, plus a 20 percent contingency, for a cumulative total of \$330,000, excluding applicable sales tax, budgeted from the ES Solid Waste Fund 4200, for improvements to the City’s solid waste main receiving building tipping floor.

STRATEGIC POLICY PRIORITY:

- Assure outstanding stewardship of the natural and built environment.

This project resurfaces and extends the service life of the solid waste main receiving building (MRB) tipping floor by applying a protective high strength, corrosive resistant epoxy coating. These improvements will provide enhancements to Tacoma’s solid waste receiving infrastructure which will allow the positive environmental impacts of refuse collection to continue.

BACKGROUND:

ISSUE: The Solid Waste Recovery and Transfer Center tipping floor is where solid waste dump trucks and customers empty municipal solid waste into a refuse bunker for consolidation. The floor is subjected to aggressive chemicals, impact loads, abrasive components, and damage from heavy processing equipment on a daily basis. This expected cycle of wear, impact, and abrasion results in weakened concrete and wear at an accelerated rate, thus requiring rehabilitation where the wear becomes significant. Aluminum wear indicators embedded in the concrete floor provide warning of the amount of deterioration that has occurred. The amount of wear is now significant and the City has chosen to resurface the floor with a sealed, non-porous specialized epoxy-based system specifically designed for the corrosive environment.

ALTERNATIVES: The alternatives for this project were to resurface with a high-strength concrete as currently exists or to take no action. Although the high-strength concrete would have approximately the same life expectancy as the high strength epoxy, it would have placed the tipping floor out of service for several weeks longer than an epoxy resurface, which would have had greater impacts to the operational use of the facility. The only remaining alternative would be to take no action and accept the risk associated with allowing the corrosive liquids, and impact loads to continue to attack the floor. This would lead to further corrosion and wear of the floor, cracks and breaks which would be a safety hazard for slips and falls, and exposure of the structural rebar which could damage heavy equipment.

COMPETITIVE SOLICITATION: Request for Bids Specification No. ES17-0134F was opened June 13, 2017. The project was advertised in the Tacoma Daily Index, online contractor network, and on the City’s Purchasing website. The City received four bid proposals. Cascade Industrial Services, LLC 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 Applicable Sales Tax)</i>	<u>Evaluated Submittal</u> <i>(Excluding Applicable Sales Tax)</i>
Cascade Industrial Services, LLC.	Rathdrum, ID	\$275,000.00	\$275,000.00
Arden Olson Flooring	Hillsboro, OR	\$311,909.01	\$311,909.01
CRJ Construction, CO	SeaTac, WA	\$389,935.00.	\$389,935.00
DPK, Inc	Kent, WA	\$512,746.00	\$512,746.00

Pre-bid Estimate: \$330,000.00 excluding applicable sales tax
The recommended award is approximately 17 percent below the pre-bid estimate.

CONTRACT HISTORY: New contract.

SUSTAINABILITY: When completed, this project will provide increased protection to the existing structural concrete slab and steel reinforcement extending the structural life-expectancy of the area.

SBE/LEAP COMPLIANCE: The recommended contractor is in compliance with the Small Business Enterprise (SBE) Regulation requirements per memorandum dated June 20, 2017. The SBE goal for this project is zero percent. Cascade Industrial Services, LLC, submitted the lowest evaluated bid per the SBE Regulation requirements. The Local Employment and Apprenticeship Training Program (LEAP) goal is zero hours.

RECOMMENDATION:

The Environmental Services Department recommends a contract be awarded to Cascade Industrial Services, LLC, Rathdrum, ID, in the amount of \$275,000, plus a 20 percent contingency, for a cumulative total of \$330,000, excluding applicable sales tax, budgeted from the ES Solid Waste Fund 4200, for improvements to the City’s solid waste main receiving building tipping floor.



FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
ES Solid Waste Fund 4200*	ENV-02009-08	5330100	\$330,000
TOTAL			\$330,000

* General Fund: Include Department

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
ES Solid Waste Fund 4200*	512000	Rate Revenues	\$330,000
TOTAL			\$330,000

POTENTIAL POSITION IMPACT:

POSITION TITLE	PERMANENT/ PROJECT TEMPORARY POSITION	FTE IMPACT	POSITION END DATE
N/A			
TOTAL			

This section should only be completed if a subsequent request will be made to increase or decrease the current position count.

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$330,000, excluding applicable sales tax.

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes

FINANCE PURCHASING
JUN 26 2017 13:29:50

