

MOTION NO. M2017-103**Sounder Heating, Ventilating and Air Conditioning Service Contract**

| MEETING: | DATE: | TYPE OF ACTION: | STAFF CONTACT: |
|----------|-----------|-----------------|---|
| Board | 8/24/2017 | Final Action | Bonnie Todd, Executive Director of Operations Martin Young, Commuter Rail Manager |

PROPOSED ACTION

Authorizes the chief executive officer to execute a contract with Moran Industries to rebuild 120 Sounder heating, ventilating, and air conditioning units for a total authorized contract amount not to exceed \$1,437,356.

KEY FEATURES SUMMARY

- The heating, ventilating and air conditioning (HVAC) units to be rebuilt are installed on 58 Sounder passenger cab and coach cars manufactured between 1999 and 2003. Each passenger car has two HVAC units for a total of 116 and four spare units.
- The manufacturer's recommended HVAC rebuild cycle is every five to eight years. This would be Sounder's second rebuild. Sounder's passenger cab and coach cars were rebuilt over five years beginning in July 2010.
- HVAC units are to be overhauled and brought up to Sound Transit requirements to be equal to or better than the original equipment manufacturer ratings.
- The rebuild will extend the life of the HVAC units for an additional five to eight years.
- The rebuild project will reduce HVAC maintenance costs and maintain passenger comfort.

BACKGROUND

Sound Transit is responsible for maintaining Sounder vehicles to ensure availability and passenger comfort. The Sounder heating, ventilating and air conditioning system requires ongoing maintenance and periodic rebuilds in order to maintain reliability.

The contractor will rebuild two HVAC units per month. This schedule will result in a total fleet rebuild within the five-year contract. The oldest units will be rebuilt first. The rebuild cost for each unit is approximately \$12,000. By comparison, the cost of a new HVAC unit would be approximately \$44,000.

The rebuild will include removing all parts, testing them to make sure they meet specifications, and replacing them if they do not. All gaskets and hoses will be replaced and the unit will be repainted.

This would be Sounder's second HVAC overhaul. The first one was completed at about the 10 year mark for the HVACs and over a five-year contract starting in 2010. At that time the life of the Sounder HVACs could be extended beyond the original equipment manufacturer's recommendation of five to eight years as vehicle operations were relatively light. Since that time, service has expanded, adding flip trains and extending operations to Lakewood. To avoid the risk of HVAC malfunctions, Sounder is following the OEM recommendations for overhaul within the five to eight year timeframe.

PROCUREMENT INFORMATION

After review of the specifications, it was determined that an Invitation for Bids (IFB) was the preferred procurement method. The IFB was advertised in February 2017. Of the five bids received, Moran Industries was the lowest and was almost 20% lower than the next lowest-priced bid. Moran Industries has performed this work very well in the past and was selected as the low responsive, responsible bidder for award.

FISCAL INFORMATION

This action is within the baseline budget and sufficient monies remain after approval of this action to fund the remaining work in the vehicle phase as contained in the current cost estimates.

The baseline budget for the Sounder Vehicle Overhaul Program project is \$25,101,406. Within that amount, \$17,133,774 has been allocated to the vehicle phase for various vehicle overhaul programs. The proposed action would commit \$1,437,356 to this line item and leave a remaining budget balance of \$7,976,396.

The construction phase has a negative balance. This will be adjusted during 2018 budgeting process.

Sounder Vehicle Overhaul Program

| Project Phase | Authorized Project Allocation to Date | Board Approvals | This Action | Board Approved Plus Action | Uncommitted / (Shortfall) |
|-----------------------------|---------------------------------------|---|------------------------|--|---------------------------|
| Agency Administration | \$ | \$ | \$ | \$ | \$ |
| Preliminary Engineering | | | | | |
| Final Design | | | | | |
| Right of Way | | | | | |
| Construction | 7,968 | 10,064 | | 10,064 | -2,096 |
| Construction Services | | | | | |
| Third Party Agreements | | | | | |
| Vehicles | 17,134 | 7,720 | 1,437 | 9,157 | 7,976 |
| Contingency | | | | | |
| Total Current Budget | \$25,101 | \$17,784 | \$1,437 | \$19,221 | \$5,880 |
| Phase Detail | | | | | |
| Vehicles | | | | | |
| Vehicles | \$17,134 | \$7,720 | \$1,437 | \$9,157 | \$7,976 |
| Other (Phase Name) | | | | | |
| Total Phase | \$17,134 | \$7,720 | \$1,437 | \$9,157 | \$7,976 |
| Contract Detail | | | | | |
| Moran Industries | Board Approvals to Date | Current Approved Contract Status | Proposed Action | Proposed Total for Board Approval | |
| Contract Amount | \$ | \$ | \$1,437 | \$1,437 | |
| Contingency | | | | | |
| Total | \$ | \$ | \$1,437 | \$1,437 | |
| Percent Contingency | 0% | 0% | 0% | 0% | |

Notes:

Amounts are expressed in Year of Expenditure.

Board Approvals = Committed To-Date + Contingency as of Mth Yr, and includes pending Board actions.

For detailed project information, see page 117 or 147 in the Adopted 2017 Transit Improvement Plan.

SMALL BUSINESS/DBE PARTICIPATION

Sound Transit promotes and encourages small business participation, which also includes Disadvantaged Business Enterprises (DBEs). Small Business and DBE goals are based upon an examination of subcontracting opportunities contained in the work of this contract and the number of Small Businesses/DBEs available to perform such subcontracting work.

Sound Transit determined that there were few Small Business and DBE subcontracting opportunities based upon the work described in this contract, so Small Business/DBE goals were not established.

PUBLIC INVOLVEMENT

Not applicable to this action.

TIME CONSTRAINTS

A one-month delay may impact the timeline of the rebuild.

ENVIRONMENTAL REVIEW

KH 7/18/17

LEGAL REVIEW

AJP 7/28/17

MOTION NO. M2017-103

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract with Moran Industries to rebuild 120 Sounder heating, ventilating, and air conditioning units for a total authorized contract amount not to exceed \$1,437,356.

BACKGROUND:

Sound Transit is responsible for maintaining Sounder vehicles to ensure availability and passenger comfort. The Sounder heating, ventilating and air conditioning system requires ongoing maintenance and periodic rebuilds in order to maintain reliability. The heating, ventilating and air conditioning (HVAC) units to be rebuilt are installed on 58 Sounder passenger cab and coach cars manufactured between 1999 and 2003. Each passenger car has two HVAC units for a total of 116 and four spare units.

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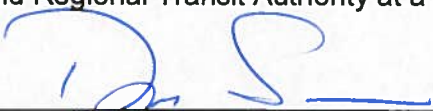
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MOTION:


It is hereby moved by the Board of the Central Puget Sound Regional Transit Authority that the chief executive officer is authorized to execute a contract with Moran Industries to rebuild 120 Sounder heating, ventilating, and air conditioning units for a total authorized contract amount not to exceed \$1,437,356.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on August 24, 2017.



Dave Somers
Board Chair

ATTEST:



Kathryn Flores
Board Administrator