

MOTION NO. M2016-57**HVAC Installation in Link Non-Critical Instrument Houses**

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:
Operations and Administration Committee Board	06/02/2016 06/23/2016	Cancelled Final Action	Bonnie Todd, Executive Director for Operations Paul Denison, Light Rail Operations Director Johnathan Jackson, Project Manager, DECM

PROPOSED ACTION

Authorizes the chief executive officer to execute a contract with Centennial Contractors Enterprises, Inc. to design and install HVAC systems for the non-critical instrument houses at ten Link alignment locations in the amount of \$298,650, with a 10% contingency of \$29,865, for a total authorized contract amount not to exceed \$328,515.

KEY FEATURES SUMMARY

- This action will provide HVAC systems at non-critical instrument houses along the Link alignment to provide proper cooling and prevent electrical damage to equipment resulting from overheating during seasonal high temperatures.
- The contract scope of work includes installation of air conditioning units, electrical power, SCADA communication, ductwork and dampers at doors in ten existing instrument houses.
- The locations are Royal Brougham, Stadium Station, South Holgate, South Lander, Yard North, Yard South, Boeing Access, South 133th Street, Tukwila International Boulevard Station, and SeaTac Airport Station.
- Installation of HVAC systems has already been completed at four critical instrument houses. This contract would complete installation at the remaining Link locations.

BACKGROUND

In 2013, the Board approved the Central Link HVAC – Instrument House and UPS Room project for the design and installation of HVAC systems in the instrument houses and uninterruptable power supply rooms to reduce the potential impact of high temperatures on system operation components.

High temperature is a well-known and well-documented hazard for switches, PCs, servers, and other equipment. It can adversely affect power supplies, potentially causing damage to a system's internal components, thereby leaving connected systems and equipment at risk.

Staff identified a total of fourteen instrument houses that required installation of HVAC systems. These houses were classified as critical and non-critical, with the critical instrument houses having HVAC systems installed first and within the CEO's budget authority.

HVAC controls are now a requirement that has been incorporated into the Sound Transit Design Criteria Manual for all at-grade instrument houses and traction power sub-stations. Tunnel or subterranean equipment is installed in a much more temperate environment and on-demand cooling is not necessary.

In late February 2016, Sound Transit issued an Invitation for Bid (IFB) for HVAC installation in the remaining non-critical instrument houses. Of the two bids received, Centennial Contractors Enterprises, Inc. was deemed the lowest responsive responsible bidder. Centennial Contractors Enterprises, Inc. completed the previous critical instrument house HVAC installation projects and came in well below the Engineer's Estimate.

FISCAL INFORMATION

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

During the 2016 Transit Improvement Plan (TIP) development process the project was increased \$660,600 to fund rights-of-way acquisitions to complete the project.

The project budget in the 2016 Transportation Improvement Plan (TIP) for the Central Link HVAC-Instrument House/UPS Room project is \$1,232,600. Within that amount \$620,518 has been set aside in the Construction phase. Previous Board approvals of \$121,625 funded the installation of HVAC at critical locations. This proposed action would commit \$328,515, including a 10% contingency, to this line item, completing the ten remaining non-critical locations, leaving a budget balance of \$170,291 in the construction phase.

CENTRAL LINK HVAC-INSTRUMENT HOUSE AND UPS ROOMS

	2016 TIP	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	450	175		175	275
Preliminary Engineering					
Final Design	116	118		118	-2
Third Party Agreements					
Right of Way	46	6		6	40
Construction	621	122	329	450	170
Construction Services					
Vehicles					
Total Current Budget	1,232	420	329	749	483

Phase Detail

Construction

Construction	621	122	329	450	170
Other Construction					
Total Phase	621	122	329	450	170

Contract Detail

Centennial Contractors Enterprises

	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Contract Amount			299	299
Contingency Amount			30	30
Total Contract			329	329
Percent Contingency	0%	0%	10%	10%

Notes:

Amounts are expressed in Year of Expenditure \$000s.

Board Approvals = Committed To-Date + Contingency, and includes pending Board actions.

Project budget page is located on page 84 of 140 of the Adopted 2016 Transit Improvement Plan (TIP).

SMALL BUSINESS/DBE PARTICIPATION AND APPRENTICESHIP UTILIZATION

Participation by Small Businesses and Disadvantaged Business Enterprises (DBEs)

Sound Transit promotes and encourages small business participation, which also includes Disadvantaged Business Enterprises (DBEs). Consistent with Sound Transit Policies and Federal Regulations, Sound Transit has established Small Business/DBE goals for this contract. These 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.

For this specific contract, the following goals were set and the successful Bidder/Proposer has committed to the following Small Business/DBE Participation:

Small Business Goals

Sound Transit Goal: 10%

Commitment: 43.23%

Subconsultant/Subcontractor	Business Type	% of Work	Amount
JEM Contractors Inc.	Small Business	4.6%	\$ 13,705
Commercial Fence Corporation	Small Business	2.7%	\$ 8,067
United Systems Mechanical	Small Business	35.9%	\$107,349
Total	Small Business	43.23%	\$129,121

PUBLIC INVOLVEMENT

Not applicable to this action.

TIME CONSTRAINTS

A one month delay would not create a significant impact to the project schedule.

ENVIRONMENTAL REVIEW

JI 4/29/2016

LEGAL REVIEW

LA 25 May 2016

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A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract with Centennial Contractors Enterprises, Inc. to design and install HVAC systems for the non-critical instrument houses at ten Link alignment locations in the amount of \$298,650, with a 10% contingency of \$29,865, for a total authorized contract amount not to exceed \$328,515.

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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 Centennial Contractors Enterprises, Inc. to design and install HVAC systems for the non-critical instrument houses at ten Link alignment locations in the amount of \$298,650, with a 10% contingency of \$29,865, for a total authorized contract amount not to exceed \$328,515.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on June 23, 2016.



Dow Constantine
Board Chair

ATTEST:



Kathryn Flores
Board Administrator