

MOTION NO. M2017-26

Sole-Source Contract Amendment for Operational Reporting Technology Tools

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:
Operations & Administration Committee	3/2/2017	Recommendation	Bonnie Todd, Executive Director of Operations
Board	3/23/2017	Final Action	David Huffaker, Deputy Executive Director of Operations for Support Services

PROPOSED ACTION

Authorizes the chief executive officer to execute a sole-source contract amendment with Adventag, LLC to provide operational reporting services for Link light rail in the amount of \$207,360 for a total authorized contract amount not to exceed \$592,360.

KEY FEATURES SUMMARY

- Adventag, LLC developed the operational reporting technology to draw data from Link’s Supervisory Control and Data Acquisition system, known as SCADA, as well as other ancillary sources of data, such as automatic passenger counters (APCs) and vehicle maintenance records in 2008.
- Sound Transit uses operational reporting technology to extract and compile data in order to:
 - manage daily oversight of light rail operations;
 - provide regular public performance reports, such as monthly ridership and system performance metrics; and
 - comply with the Federal Transit Administration’s National Transit Database reporting requirements, required of all federal fund recipients.
- In 2015 the board approved a new sole source agreement with Adventag LLC to develop a new operational reporting system because the Link SCADA system was being replaced with a new SCADA system to accommodate the University Link and the Angle Lake Link extensions. The acceptance of the new SCADA system has taken longer than anticipated.
- The delay of the acceptance of the new SCADA system as well as unanticipated changes to the operating environment such as three-car trains, changes to movement in the Downtown Seattle Transit Tunnel, and an increased number of requests for ad hoc analysis have contributed to higher than expected costs in developing the new operational reporting technology.

BACKGROUND

The Link reporting system was developed and installed by Adventag in 2008 prior to the initial segment opening in 2009. The reporting system provides a variety of operational data that is needed for managing the system, creating performance reporting, and fulfilling federal requirements for National Transit Database reporting as well as providing various ad-hoc reports to respond to internal and external requests for Link information. It is used to calculate operational metrics (on-time performance, headway, ridership, miles, hours), maintenance (APC fleet, vehicle location monitoring, track circuit performance, bus delays), and performance (scheduled, actual, missed, special trips, as defined in the inter-governmental agreement with King County Metro, the operator of the system).

In 2015 the Board approved a new sole source contract with Adventag to develop a new reporting system. This was needed because the Link SCADA system, which controls train operations and other key elements of the railroad, was being replaced by a new SCADA system to accommodate the University Link and Angle Lake extensions.

The new SCADA system is in place but has not received Final Acceptance from Sound Transit. It is being continually worked on, which affects the reporting system, requiring ongoing operational reporting code changes to match the SCADA changes.

The complexity of the various systems providing data to the operational reporting system, not only SCADA, but also changes to the Automatic Passenger Counters (APCs), maintenance information, schedule information, and service records require ongoing testing and debugging to ensure all elements work as intended.

As the Link expansions were accomplished in 2016, there has been a large increase in the need for ad hoc analysis and the creation of a more diverse range of reports. Analysis of the higher than expected Link ridership, the addition of three car trains and planning for potential changes in the Downtown Seattle Transit Tunnel have also contributed to higher costs for this vendor.

Work will be performed by task as assigned by in-house staff. The contract includes five one-year options to allow for a limited amount of post implementation maintenance support.

FISCAL INFORMATION

The proposed action will be funded from the services category within the Operations Department's annual operating budget. The services category budget is \$60,426,250, of which a total of \$75,000 is estimated to be spent in the current year of the contract and is within the agency's budget authority. After approval of this action, the remaining annual budget amount will be used to fund other department expenditures anticipated in the 2017 annual budget.

Funding for the additional years of the contract will be included in future annual budget requests.

	2017 Annual Operating Budget	Actuals to Date	This Action	Actuals to Date Plus Action	Remaining Annual Operating Budget
Salaries and Benefits	\$16,280	\$448	-	\$448	\$15,832
Services	60,426	293	75	368	60,057
Materials and Supplies	10,831	3,710	-	3,710	7,121
Utilities	5,276	536	-	536	4,740
Insurance	-	6	-	6	-
Taxes	2,595	463	-	463	2,132
Purchased Transportation Services	163,027	13,352	-	13,352	149,675
Miscellaneous	388	7	-	7	381
Leases and Rentals	8,601	644	-	644	7,957
Total Annual Operating Budget	\$267,423	\$19,459	\$75	\$19,534	\$247,895

Service Budget Details

Professional Services	\$3,167	\$20	\$75	\$95	\$3,072
Temporary Services	10	-	-	-	10
Contract Maintenance	33,878	99	-	99	33,779
Security & Safety	21,025	173	-	173	20,852
Other Services	2,345	-	-	-	2,345
Total Service Budget	\$60,426	\$293	\$75	\$368	\$60,058

Contract Spending Plan

	Prior Year Spending	Forecast 2017 Spending	Future Expenditures	Total
Adventag, LLC	342	75	132	549

Contract Detail	Board Approved Contract Value	Contract Actuals to Date	Proposed Action	Proposed Revised Board Approved Contract Value
Adventag, LLC	\$385	\$342	\$207	\$592
Contingency				-
Contract Amount - Total	\$385	\$342	\$207	\$592
Percent Contingency			0%	0%

* Actuals reflect the month of January, 2017.

SMALL BUSINESS/DBE PARTICIPATION AND APPRENTICESHIP UTILIZATION

No applicable for this action.

PUBLIC INVOLVEMENT

Not applicable to this action.

TIME CONSTRAINTS

A one month delay would significantly affect Sound Transit's ability to maintain continuity of operations and comply with FTA reporting requirements needed to receive federal funds.

PREVIOUS ACTION

Motion No. M2015-44: Authorized the chief executive officer to execute a sole-source contract with Adventag, LLC for operational reporting services on Link light rail with five one-year options for a total authorized contract amount not to exceed \$385,000.

ENVIRONMENTAL REVIEW

Jl 2/17/2017

LEGAL REVIEW

AJP 2/23/2017

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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 sole-source contract amendment with Adventag, LLC to provide operational reporting services for Link light rail in the amount of \$207,360 for a total authorized contract amount not to exceed \$592,360.

BACKGROUND:

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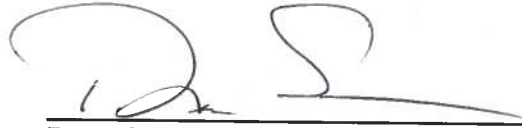
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MOTION:

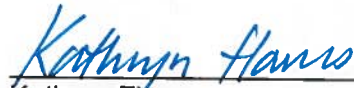
It is hereby moved by the Board of the Central Puget Sound Regional Transit Authority that the chief executive officer is authorized to execute a sole-source contract amendment with Adventag, LLC to provide operational reporting services for Link light rail in the amount of \$207,360 for a total authorized contract amount not to exceed \$592,360.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on March 23, 2017.



Dave Somers
Board Chair

ATTEST:



Kathryn Flores
Board Administrator