

**SOUND TRANSIT
STAFF REPORT**

MOTION NO. M2006-59

Contract Amendment for On-Call Rail Engineering Consultant Services

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	8/3/06	Discussion/Possible Action	Jim Edwards, Capital Projects Deputy Director Eric Beckman, Rail Program Manager Martin Young, Sounder Operations Program Manager	(206) 398-5436 (206) 398-5251 (206) 398-5115

Contract/Agreement Type:	<input checked="" type="checkbox"/>	Requested Action:	<input checked="" type="checkbox"/>
Competitive Procurement	<input checked="" type="checkbox"/>	Execute New Contract/Agreement	
Sole Source		Amend Existing Contract/Agreement	<input checked="" type="checkbox"/>
Agreement with Other Jurisdiction(s)		Budget Amendment	
Real Estate		Property Acquisition	

PROJECT NAME

Sounder Commuter Rail - On-Call Rail Engineering Consulting Services

PROPOSED ACTION

Authorizes the Chief Executive Officer to execute a contract amendment with J.L. Patterson & Associates to provide additional on-call commuter rail engineering services in the amount of \$200,000, for a new total authorized contract amount not to exceed \$400,000.

KEY FEATURES of PROPOSED ACTION

- J.L. Patterson & Associates has previously been tasked to provide train operational scenario analyses to determine whether the Sounder commuter rail locomotives and vehicles could traverse uphill on various track grades ranging from 2.6% to 2.85%.
- This contract amendment will allow J.L. Patterson & Associates to continue to provide train operations simulation modeling that supports the Sounder track design currently being developed for the D-to-M Street Track Project in Tacoma.
- The contract amendment also provides additional funding for on-call commuter rail engineering services to be used when needed to supplement staff expertise.
- The contract scope of work also includes various railroad engineering services:
 - Railroad Engineering
 - Engineering Analysis
 - Independent Review
 - CADD Support Services

- J.L. Patterson & Associates's original contract amount was nearly expended due to the unexpected train operations simulation modeling that was needed to complete the evaluation of the grade issues related to the design for the new Sounder track segment in Tacoma.

BUDGET IMPACT SUMMARY

There is no action outside of the Board-adopted budget; there are no contingency funds required, no subarea impacts, or funding required from other parties other than what is already assumed in the financial plan.

BUDGET and FINANCIAL PLAN DISCUSSION

The budget associated with railroad engineering consulting services work is contained within the preliminary engineering, final design, and construction phases of each Sounder capital project. The budget is based on the project's anticipated need for such service. In addition, there is railroad engineering consulting services work done within the operations group. This is an on-call contract that is only used when needed.

The table below shows where the original contract with J.L. Patterson & Associates in the amount of \$200,000 has been committed. There currently remains approximately \$27,000 on the original contract, of which \$9,000 is uncommitted.

Subarea	Project/Program	Committed (000's)	Invoiced to Date (000's)	Remaining (000's)
S. King County & Pierce	Seattle-Auburn & Auburn-Tacoma T&S	\$20	\$12	\$8
S. King County & Pierce	Sounder Operations	\$171	\$160	\$11
	Uncommitted	\$9	\$0	\$9
Total		\$200	\$173	\$27

BUDGET TABLE

This table shows where the amended contract funds will be committed and the budgets associated with those projects and programs and the remaining uncommitted funds for each.

Subarea	Project/Program	Committed (000's)	PE/EIS, Final Design & Construction Budget's (000's)	Uncommitted PE/EIS, Final Design & Construction Budget (000's)	Operations Services Consulting Budget (000's)	Operations Uncommitted Services Consulting Budget (000's)
Pierce County	Tacoma-to-Lakewood T&S	\$80	\$83,824	\$71,205	\$0	\$0
S. King County	Seattle-to-Auburn T&S	\$20	\$190,537	\$25,834	\$0	\$0
Pierce County	Auburn-to-Tacoma T&S	\$20	\$156,090	\$22,958	\$0	\$0
S. King County & Pierce County	Sounder Operations	\$80	\$0	\$0	\$183	\$143
Total		\$200				

M/W/DBE – SMALL BUSINESS PARTICIPATION

Prime Consultant/Contractor

J.L. Patterson & Associates is the prime consultant for this contract. J.L. Patterson & Associates is a small business and also has committed to an additional 18% DBE/Small Business goal.

Utilization Breakdown Table

Prime Consultant	Business Type	% of Work	Dollar Value
J.L. Patterson & Associates	Small Business	10%	\$40,000
Subconsultants			
True North Land Surveying, Inc.	WBE/DBE	10%	\$40,000
PacRim Geotechnical, Inc.	MBE/DBE	5%	\$20,000
RCT Engineering, Inc.	MBE/DBE	10%	\$40,000
Pacific Communications Consultants	MWBE	3%	\$12,000
Total DBE/Small Business Participation		38%	\$152,000

EEO Commitment

J.L. Patterson & Associates' workforce demographics are 20% women and 59% minorities. J.L. Patterson & Associates has a total of 54 employees.

PROJECT DESCRIPTION and BACKGROUND for PROPOSED ACTION

The J.L. Patterson & Associates on-call railroad engineering contract provides consultant services for railroad engineering, engineering analysis, independent technical review, and CADD support services for Sound Transit's commuter rail programs.

J.L. Patterson & Associates has previously been tasked to provide train operational scenario analyses to determine whether the Sounder commuter rail locomotives and vehicles could traverse uphill on various track grades ranging from 2.6% to 2.85%. This action increases the contract amount that would authorize staff to issue a new task order for J.L. Patterson to conduct additional train operational scenario analyses. This task would evaluate whether the commuter trains can travel safely down the track grade from 2.6% to 2.85% at passenger crush load capacity. This evaluation would be included in the decision making process of whether the design and construction of the new track segment in Tacoma is feasible.

Prior Board/Committee Actions on this Project

Motion/Resolution Number and Date	Summary of Action
M2006-34 4/20/06	Feasibility Study on the Proposed Grade Separated Track between D and M Street (in Tacoma). This action authorized staff to use Project 130 contingency dollars to do the feasibility study.

CONSEQUENCES OF DELAY

There would not be a significant impact to the project schedule if the Finance Committee does not take action on August 3, 2006. However, a delay in beginning the train model simulations beyond Fall 2006 will affect the schedule to complete the final design of the new track segment in Tacoma.

PUBLIC INVOLVEMENT

Not applicable for this action.

ENVIRONMENTAL COMPLIANCE

PW 7/26/06

LEGAL REVIEW

JW 7/26/06

SOUND TRANSIT

MOTION NO. M2006-59

A motion of the Finance Committee of the Central Puget Sound Regional Transit Authority authorizing the Chief Executive Officer to execute a contract amendment with J.L. Patterson & Associates to provide additional on-call rail engineering services in the amount of \$200,000, for a new total authorized contract amount not to exceed \$400,000.

Background:

The J.L. Patterson & Associates on-call railroad engineering contract provides consultant services for railroad engineering, engineering analysis, independent technical review, and CADD support services for the commuter rail programs of the Capital Projects and Transportation Services Departments.

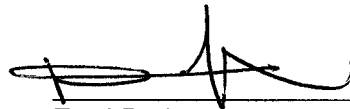
J.L. Patterson & Associates has previously been tasked to provide train operational scenario analyses to determine whether the Sounder commuter rail locomotives and vehicles could traverse uphill on various track grades ranging from 2.6% to 2.85%.

This action increases the contract amount that would authorize staff to issue a new task order for J.L. Patterson to conduct additional train operational scenario analyses. This task would evaluate whether the commuter trains can travel safely down the track grade from 2.6% to 2.85% at passenger crush load capacity. This evaluation would be included in the decision making process of whether the design and construction of the new track segment in Tacoma is feasible.

Motion:

It is hereby moved by the Finance Committee of the Central Puget Sound Regional Transit Authority that the Chief Executive Officer is authorized to execute a contract amendment with J.L. Patterson & Associates to provide additional on-call rail engineering services in the amount of \$200,000, for a new total authorized contract amount not to exceed \$400,000.

APPROVED by the Finance Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on August 3, 2006.



Fred Butler
Finance Committee Chair

ATTEST:



Marcia Walker
Board Administrator