

**SOUND TRANSIT
STAFF REPORT**

MOTION NO. 2010-13

Brake Test Bench Equipment for Central Link Light Rail

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	1/21/10	Discussion/Possible Action to Recommend Board Approval Action	Ahmad Fazel, Executive Director, Engineering, Design and Construction Steve Bethel, Rail Maintenance Manager	(206) 398-5389
Board	1/28/10			(206) 903-7752

Contract/Agreement Type:	✓	Requested Action:	✓
Competitive Procurement		Execute New Contract/Agreement	✓
Sole Source	✓	Amend Existing Contract/Agreement	
Agreement with Other Jurisdiction(s)		Budget Amendment	
Real Estate		Property Acquisition	

PROJECT NAME

Central Link Initial Segment

PROPOSED ACTION

Authorizes the chief executive officer to execute a sole source contract with Knorr Brake Corporation to provide brake test bench equipment for Central Link for a total authorized contract amount not to exceed \$167,654.

KEY FEATURES of PROPOSED ACTION

- The purpose of this action is to procure a brake system test bench that provides the ability to test and rebuild the light rail vehicles' friction brake components in-house. Procurement costs include training and manuals.
- Sound Transit will save money over time by performing the necessary testing and rebuilding of the light rail vehicle brake components in-house by maintenance personnel versus sending the components to the Knorr Brake factory for testing and rebuilding.
- Knorr Brake Corporation is the manufacturer of the friction brake systems installed on the Sound Transit light rail fleet. The components are proprietary and require Knorr Brake Corporation brake test bench equipment to service the Knorr brakes.

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 Adopted 2010 Lifetime Capital Budget for the Central Link Initial Segment is \$2.07 billion. Within that amount, \$1,569,640 has been set aside for the procurement of Maintenance Equipment (P811) in the construction phase. The proposed action would increase commitments for this budget line item by \$167,654 to a revised total commitment of \$1,142,095, and leave a remaining balance of \$447,545.

The proposed action is consistent with the current adopted budget and is affordable within the agency's long-term financial plan and subarea financial capacity. The action will have no new revenue impact on Sound Transit.

BUDGET TABLE

Action Item: Knorr Brake Corporation (provide brake test equipment for the Central Link Initial Segment project.)

(Year of Expenditure \$000)

Initial Segment	Adopted 2010 Budget (A)	Committed To Date (B)	This Action (C)	Total Committed & Action (D)	Uncommitted (Shortfall) (E)
Agency Administration	186,233	179,551		179,551	6,682
Preliminary Engineering	33,289	33,287		33,287	3
Final Design	147,436	147,033		147,033	402
Right of Way	205,713	203,745		203,745	1,967
Construction	1,198,822	1,171,453	168	1,171,620	27,201
Construction Services	104,912	105,370		105,370	(458) ⁽¹⁾
Third Party Agreements	61,739	62,770		62,770	(1,031) ⁽²⁾
Vehicles	131,857	131,803		131,803	54
Total Current Budget	2,070,000	2,035,012	168	2,035,180	34,820

Construction Phase Detail

C811 Maintenance Equipment	1,590	974	168	1,142	448
Other Construction	1,171,231	1,159,126		1,159,126	12,105
Construction Unallocated Contingency	26,001	11,352		11,352	14,649
Total Phase	1,198,822	1,171,453	168	1,171,620	27,201

Contract Amount	Board Approvals to Date (F)	Current Approved Contract Value (G)	Proposed Action (H)	Proposed Total for Board Approval (I)	Proposed Contract Value (J)
Contract Amount	-	-	160	160	160
Contingency	-	-	8	8	8
Total Contract	-	-	168	168	168
Percent Contingency	0%	0%	5%	5%	5%

(A) ADOPTED 2010 BUDGET amounts as adopted by resolution of the Sound Transit Board (R2009-23, approved 12/10/09).

(B) COMMITTED TO DATE amounts are from Agency WBS Report as of November 2009 + approved and pending board actions not recorded as of 11/30/09, or submitted after that date, and include allocated contingencies.

(1) "SHORTFALL" to the Adopted 2010 Budget for Construction Services phase: "Committed to Date" amount shown here includes unused funds that will be decommitted as contracts complete.

(2) "SHORTFALL" to the Adopted 2010 Budget for Third Party phase: "Committed to Date" amount shown here includes unused funds that will be decommitted as third party agreements complete.

SMALL BUSINESS PARTICIPATION

Not applicable to this action.

PROJECT DESCRIPTION and BACKGROUND for PROPOSED ACTION

In 2009, Sound Transit and King County Metro identified and mutually agreed to a list of equipment that is required to assist in the diagnosis and repair of the facilities, infrastructure, and light rail vehicles of the Central Link Light Rail system. These tools and equipment include specialty machinery, machine tools, industrial motorized equipment, and small hand tools. The tools and equipment will be used by the King County Metro light rail craft departments located at the Link Light Rail Operations and Maintenance Facility. At the time of the agreement with King County Metro, the decision to purchase brake test bench equipment was deferred.

This action would authorize procurement of brake test bench equipment from Knorr Brake Corporation. The brake test bench equipment provides Sound Transit with the ability to test and rebuild the LRV's friction brake components in-house. The procurement costs include training and manuals for the equipment. This action will save Sound Transit money through in-house maintenance of LRV brake components versus sending the components to the Knorr Brake Corporation.

All tools and equipment will be the property of Sound Transit and Sound Transit is responsible for the procurement and delivery of maintenance equipment to support operations and maintenance of the light rail fleet.

Sole Source Justification

The friction brake systems installed on the Sound Transit light rail fleet are manufactured by Knorr Brake Corporation and are proprietary components. Knorr Brake Corporation is the only supplier of the test bench equipment required to test and rebuild the brake components on Sound Transit's light rail vehicles. The purchase of this test bench equipment will allow for in-house maintenance of the light rail vehicle brake systems. The alternative would be to send these brake components back to the Knorr manufacturing center for testing and rebuilding, a process that would be more costly and time consuming.

PRIOR BOARD/COMMITTEE ACTIONS

None.

CONSEQUENCES of DELAY

A delay in approving this action will not affect the project other than any brake testing or rebuilds will have to be sent direct to Knorr Brake Corporation.

PUBLIC INVOLVEMENT

Not applicable to this action.

ENVIRONMENTAL COMPLIANCE

Jl 12/23/09

LEGAL REVIEW

JW 12/30/09

SOUND TRANSIT

MOTION NO. M2010-13

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a sole source contract with Knorr Brake Corporation to provide brake test bench equipment for Central Link for a total authorized contract amount not to exceed \$167,654.

Background:

In 2009, Sound Transit and King County Metro identified and mutually agreed to a list of equipment that is required to assist in the diagnosis and repair of the facilities, infrastructure, and light rail vehicles of the Central Link Light Rail system. These tools and equipment include specialty machinery, machine tools, industrial motorized equipment, and small hand tools. The tools and equipment will be used by the King County Metro light rail craft departments located at the Link Light Rail Operations and Maintenance Facility. At the time of the agreement with King County Metro, the decision to purchase brake test bench equipment was deferred.

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Motion:

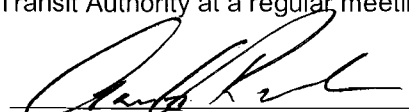
It is hereby moved by the Board of the Central Puget Sound Regional Transit Authority that the chief executive officer is authorized to execute a sole source contract with Knorr Brake Corporation to provide brake test bench equipment for Central Link for a total authorized contract amount not to exceed \$167,654.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on January 28, 2010.

ATTEST:



Marcia Walker
Board Administrator



Aaron Reardon
Board Chair