

**SOUND TRANSIT
STAFF REPORT**

MOTION NO. M2005-125

SCL Service Connection Agreements

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	11/17/05	Discussion/Possible Action to Recommend Board Approval	Ahmad Fazel, Link Director Steve Procter, Systems Engineering Manager	(206) 398-5389 (206) 370-5509
Board	12/8/05	Discussion/Possible Action		

Contract/Agreement Type:	✓	Requested Action:	✓
Competitive Procurement		Execute New Contract/Agreement	✓
Sole Source		Amend Existing Contract/Agreement	
Agreement with Other Jurisdiction(s)	✓		

PROJECT NAME

Central Link Light Rail Initial Segment Traction Power

PROPOSED ACTION

Authorizes the Chief Executive Officer to execute General Service Agreements with Seattle City Light for the design and installation of system modifications to Seattle City Light electrical facilities necessary to provide power supply infrastructure to the Central Link Light Rail Initial Segment and Service Connection Agreements for the Central Link Light Rail Traction Power Substations for a total authorized amount not to exceed \$5,205,981.

KEY FEATURES of PROPOSED ACTION

- The Link Traction Power Substations (TPSS), which convert alternating current (AC) into direct current (DC) used in the overhead catenary, must be serviced by the regional power grid. In the areas served by the Central Link, the regional power grid is owned by Seattle City Light (SCL).
- Previously Sound Transit executed Task Orders with SCL under the Construction Services Agreement to provide the preliminary engineering and cost estimates for these system modifications. Separate agreements are necessary for the actual construction and service connections.
- The Service Connection Agreements will authorize the connection of 26kV facilities to the TPSS to provide traction power to meet the project schedule for the Central Link Light Rail Initial Segment. The Service Connection Agreements also include a provision for the future purchase of power from SCL to operate the Central Link Light Rail Initial Segment.

- The expenditure amount proposed under this action represents a cost estimate. All SCL work performed under the General Services Agreement and Service Connection Agreements are cost reimbursable, with Sound Transit paying actual labor and materials as required by SCL policy for all work exceeding \$35,000.

BUDGET IMPACT SUMMARY

Project Name: Central Link Initial Segment
 Current Project: Phase: Construction
 Projected Completion Date: 2009

Action Outside of Adopted Budget:	✓	Comments on Checked Items
This Project		
This Phase		
This Task	✓	Requires funding from surplus budget within the Construction phase
Budget Amendment Required		

Key Financial Indicators:	✓	Comments on Checked Items
Contingency Funds Required		
Funding required from other parties (other than what is in financial plan)		

Not checked = action is assumed in current Board-adopted budget. No budget action or adjustment to financial plan required.

BUDGET and FINANCIAL PLAN DISCUSSION

The proposed action would authorize execution of Service Connection Agreements with Seattle City Light for the design and installation of system modifications to Seattle City Light electrical facilities for a total authorized expenditure amount not to exceed \$5,205,981.

The total adopted capital budget for the Initial Segment is \$2.07 billion. Within that budget, \$43 million has been set aside for the Traction Power System in the construction phase. Approval of the proposed action would result in a shortfall of \$1,858,464 in the adopted 2005 budget for this budget line item. This is corrected in the proposed 2006 budget, which redistributes surplus budget for systems contracts within the construction phase. The proposed Service Connection Agreements will not be executed, unless and until the proposed 2006 budget is adopted by the Sound Transit Board.

A General Service Agreement with Seattle City Light for \$931,309 was previously authorized by the Sound Transit Board. Should the proposed action be approved, the total amount authorized for SCL under the TPSS budget line item would be \$6,137,290. Future costs for power usage to operate the Link Light Rail system will be billed to separate transit operations accounts. Budget authorization for these costs will be requested at the time the Central Link system enters operations and are not included in this proposed action.

The proposed action is consistent with the proposed 2006 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: Seattle City Light (Design and install 26Kv system modifications to SCL electric facilities required to provide power supply infrastructure, and to provide power for, the Central Link TPSS)

(Year of Expenditure \$000)

Initial Segment	Amended 2005 Budget (A)	Committed To Date (B)	This Action (C)	Total Committed & Action (D)	Uncommitted (Shortfall) (E)
1 Agency Administration	218,780	113,228		113,228	105,552
2 Preliminary Engineering	34,000	33,363		33,363	637
3 Final Design	143,523	140,728		140,728	2,795
4 Right of Way	225,516	182,646		182,646	42,870
5 Construction	1,172,066	1,040,806	5,206	1,046,012	126,054
6 Construction Services	83,892	83,749		83,749	144
7 Third Party Agreements	58,916	56,396		56,396	2,520
8 Vehicles	133,307	131,799		131,799	1,508
9 Total Current Budget	2,070,000	1,782,713	5,206	1,787,919	282,081

Construction Phase Detail

10 Traction Power System (C807)	43,000	39,652	5,206	44,858	(1,858)
11 Other Systems contracts	79,201	67,134		67,134	12,067
12 Other Segment construction	1,049,865	934,020		934,020	115,845
13 Total Phase	1,172,066	1,040,806	5,206	1,046,012	126,054

(A) AMENDED 2005 BUDGET reflects Board Resolution R2005-08 to transfer \$4 million to the Construction Phase from the ROW phase within the Initial Segment, approved by the ST Board 3/10/05.

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)
14 Contract Amount	-	-	5,206	5,206	5,206
15 Contingency	-	-	-	-	-
16 Total	-	-	5,206	5,206	5,206
17 Percent Contingency	0%	0%	0%	0%	0%

Budget Shortfall

Task Level	\$ (P)	Potential Resources (Q)	Source (R)
18 Traction Power System (C807)	1,858	12,067	Surplus budget for Systems contracts within the Construction phase

M/W/DBE – SMALL BUSINESS PARTICIPATION

Not applicable to this action.

PROJECT DESCRIPTION and BACKGROUND for PROPOSED ACTION

In February 2004, Sound Transit and SCL executed a City of Seattle Task Order as part of the Construction Services Agreement. SCL agreed to provide estimates and preliminary engineering for connecting 26kV service to Sound Transit traction power substations and Beacon Hill Station. Sound Transit required a full level of service for any single outage contingency for the entire Link Traction Power Substations (TPSS) system and also required distinct feeds in accordance with Section 13.3.6 of the Link Light Rail Electrification Design Criteria.

SCL provided an estimate and preliminary engineering documentation. This preliminary engineering documentation and estimate provided for full build out of Sound Transit operations (4 car trains) with no adjacent TPSS supplied with power from the same SCL feeder (13.3.6). This arrangement satisfies Sound Transit operational requirements.

In September 2005, the Sound Transit Finance Committee authorized execution of an agreement with SCL to provide infrastructure improvements in the SODO area for connection to

the International District Station TPSS. That action allowed these improvements to proceed in accordance with the construction schedule.

Environmental compliance pursuant to the National Environmental Policy Act (NEPA) and the State Environmental Policy Act (SEPA) for the Central Link Light Rail Initial Segment was completed with the Central Link Final Environmental Impact Statement (EIS) issued in November 1999, Tukwila Freeway route Final Supplemental EIS (November 2001), the Initial Segment SEPA Addendum (November 2001), and Initial Segment NEPA Environmental Assessment (February 2002). The Federal Transit Administration issued an Amended Record of Decision in May 2002.

Prior Board/Committee Actions on this Project and Relevant Board Policies

Motion No. Number	Summary of Action	Date of Action
M2005-106	General Service Agreement with Seattle City Light for the design and installation of system modifications to Seattle City Light electrical facilities necessary to provide power supply infrastructure to the Central Link light rail line in the SODO district for a total authorized expenditure amount not to exceed \$931,309.	9/13/05
M2003-91	Interlocal agreement with the City of Seattle to provide construction support services for the Central Link Light Rail Initial Segment.	10/9/03

CONSEQUENCES of DELAY

The system modifications are required to be complete in time for system opening. It is prudent to start this work now to avoid serious impact to the schedule.

PUBLIC INVOLVEMENT

Not applicable to this action.

ENVIRONMENTAL COMPLIANCE

JDI 11/3/05

LEGAL REVIEW

JW 11/10/2005

SOUND TRANSIT

MOTION NO. M2005-125

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the Chief Executive Officer to execute General Service Agreements with Seattle City Light for the design and installation of system modifications to Seattle City Light electrical facilities necessary to provide power supply infrastructure to the Central Link Light Rail Initial Segment and Service Connection Agreements for the Central Link Light Rail Traction Power Substations for a total authorized amount not to exceed \$5,205,981.

Background:

In February 2004, Sound Transit and SCL executed a City of Seattle Task Order as part of the Construction Services Agreement. SCL agreed to provide estimates and preliminary engineering for connecting 26kV service to Sound Transit traction power substations and Beacon Hill Station. Sound Transit required a full level of service for any single outage contingency for the entire Link Traction Power Substations (TPSS) system and also required distinct feeds in accordance with Section 13.3.6 of the Link Light Rail Electrification Design Criteria.

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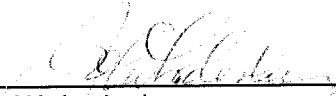
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Motion:

It is hereby moved by the Board of the Central Puget Sound Regional Transit Authority that the Chief Executive Officer is authorized to execute General Service Agreements with Seattle City Light for the design and installation of system modifications to Seattle City Light electrical facilities necessary to provide power supply infrastructure to the Central Link Light Rail Initial Segment and Service Connection Agreements for the Central Link Light Rail Traction Power Substations for a total authorized amount not to exceed \$5,205,981.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on December 8, 2005.



John W. Ladenburg
Board Chair

ATTEST:



Marcia Walker
Board Administrator