

**SOUND TRANSIT
STAFF REPORT**

MOTION NO. M2004-84

Contract Award for Advance Utility Relocation for the Central Link Light Rail Initial Segment - South Boeing Access Road to South 154th Street

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	9/2/04	Discussion/Possible Action to Recommend Board Approval Action	Ahmad Fazel, Link Light Rail Director	(206) 398-5389
Board	9/9/04		Bob Parsons, Link Civil Engineering Manager	(206) 398-5150

Contract/Agreement Type:	✓	Requested Action:	✓
Competitive Procurement	✓	Execute New Contract/Agreement	✓
Sole Source		Amend Existing Contract/Agreement	
Interagency Agreement		Contingency Funds (Budget) Required	
Purchase/Sale Agreement		Budget Amendment Required	

✓ *Applicable to proposed transaction.*

ACTION

Authorizes the Chief Executive Officer to execute a contract with Frank Coluccio construction company, for advance utility relocation work for Central Link from Boeing Access Road to South 154th Street station in the amount of \$5,776,128 with a 15% contingency of \$866,419, for a total authorized contract amount not to exceed \$6,642,547, which includes reimbursements to Sound Transit by Qwest, Comcast, and Seattle City Light for work in the amount of \$198,812.

KEY FEATURES

- This contract includes construction of underground ductbanks, vaults, and associated facilities for the relocation of existing Seattle City Light overhead facilities which are required as a result of light rail elevated guideway construction.
- This contract includes procurement of two steel monopole transmission towers that will be used by Seattle City Light to raise their existing 230kv transmission lines at South 112th Street which are required as a result of the light rail elevated guideway construction. The procurement of these poles is a long lead item that is estimated to take approximately 8 months.
- In light of the current steel price volatility, the contract amount includes allowances to address potential steel price increases.
- This contract includes relocation of selected facilities owned by private utility companies. In accordance with executed project cost sharing agreements, Qwest and Comcast will be reimbursing Sound Transit in the amounts of \$62,713 and \$36,099, respectively, for betterment work performed under this contract.

- Work to be performed under this contract will include system improvements to Seattle City Light infrastructure for which Seattle City Light will reimburse Sound Transit in the amount not to exceed \$100,000. This amount is included in the contingency.
- Staff recommends assignment of a 15% contingency for this contract, given the risks associated with underground utility construction relative to the magnitude of the contract.

BUDGET IMPACT SUMMARY

Project Description: Central Link Initial Segment

Current Status: Final Design/Construction

Projected Completion Date: 2009

Action Outside of Adopted Budget:	Y/N	Y Requires Comment
This Line of Business	N	
This Project	N	
This Phase	N	
This Task	Y	Budget for the work included in this contract is located in multiple work packages
Budget amendment required	N	
Key Financial Indicators:	Y/N	Y Requires Comment
Contingency funds required	N	
Subarea impacts	N	
Funding required from other parties other than what is already assumed in financial plan	Y	Action includes reimbursements from third parties for betterment work (Qwest, Comcast, and Seattle City Light)

N = Action is assumed in current Board-adopted budget. Requires no budget action or adjustment to financial plan

BUDGET DISCUSSION

The proposed action would authorize execution of a contract with Frank Coluccio construction company to perform advance utility relocation work (C757) for Central Link from Boeing Access Road to South 154th Street station (Tukwila) in the Initial Segment for a total authorized amount not to exceed \$6,642,547. This contract includes work for which others will make reimbursements in the amount of \$198,812: Qwest in the amount of \$62,713; Comcast in the amount of \$36,099; and Seattle City Light in the amount not to exceed \$100,000. Sound Transit's authorized expenditure will not exceed \$6,443,735.

The total adopted capital budget for the Initial Segment is \$2.07 billion. Within that budget, \$5,480,000 is set aside for advance utility relocation work in the Tukwila section (C757). After completion of the adopted budget, but prior to seeking bids for this work, additional scope was transferred to this contract from the Tukwila section (C755) and environmental mitigation within the construction phase. For purposes of managing budget and scope, staff recognized a budget of \$1,010,000 for this transferred work. When added to the adopted budget for advance utility work (C757), the total budget available for this work under this contract is \$6,490,000. The proposed action would result in a surplus budget of \$46,265 to the adjusted amount for this budget line item.

REVENUE, SUBAREA, AND FINANCIAL PLAN IMPACTS

Sound Transit's share of the proposed action is covered by the current Board-adopted budget, and is affordable within the agency's current long-term financial plan and subarea financial capacity. The action will have no new revenue impact on Sound Transit.

Costs related to betterment work included in the contract, for which Sound Transit will be reimbursed by Qwest, Comcast, and Seattle City Light will not be charged to the Initial Segment Project, and will be separately tracked.

BUDGET TABLE

Action Item: Frank Coluccio Construction Company (Provide advance utility relocation work (C757) along Boeing Access Road to South 154th Street station (Tukwila) in the Initial Segment)

(Year of Expenditure \$000)

Initial Segment	Amended FY2004 (A)	Budget (B)	Committed To Date (C)	This Action (D)	Total Committed & Action (E)	Uncommitted (Shortfall) (F)
1 Agency Administration	218,780		110,415		110,415	108,365
2 Preliminary Engineering	35,000		33,644		33,644	1,356
3 Final Design	143,523		137,839		137,839	5,684
4 Right of Way	233,016		155,314		155,314	77,702
5 Construction	1,159,837		661,356	6,444	667,800	492,037
6 Construction Services	82,737		81,725		81,725	1,012
7 Third Party Agreements	58,800		52,474		52,474	6,326
8 Vehicles	138,307		131,799		131,799	6,508
9 Total Current Budget	2,070,000		1,364,567	6,444	1,371,010	698,990

Phase Budget Detail (L)					
10 Advance Utility Work (C757)	6,490	-	6,444	6,444	46
11 Tukwila (C755)	280,408	-		-	280,408
12 Environmental Mitigation	6,320	100		100	6,220
13 Other Segments	825,324	654,141		654,141	171,183
14 Unallocated Contingency	41,294	7,115		7,115	34,179
15 Total Phase	1,159,837	661,356	6,444	667,800	492,037

(A) AMENDED 2004 BUDGET reflects Board Resolution R2004-05 for Initial Segment phase budget transfer, adopted by the ST Board on 4/22/04.

(B) Committed to Date amounts are from the Link Program Cost Summary Report (HQ Reports) for June 2004 + Board motions not yet included in the report as follows:

	Final Design	Construction	Construct Svcs	Third Parties	Vehicles
Commitments through June 2004	116,724	278,764	34,537	52,474	131,799
Other Board motions	21,114	382,592	47,188	-	-
Total phase commitments	137,839	661,356	81,725	52,474	131,799

Contract Budget	Board Approvals to Date (F)	Current Approved Contract Value (G)	Proposed Action (H)	Proposed Total for Board Approval (I)	Proposed Contract Value (J)
16 Contract Amount	-	-	5,677	5,677	5,677
17 Contingency	-	-	766	766	766
18 Total Sound Transit	-	-	6,444	6,444	6,444
19 Betterments (Qwest, Comcast)			99	99	99
Contingency (SCL betterments)	-	-	100	100	100
Total Betterments	-	-	199	199	199
20 Total Contract Amount			5,776	5,776	5,776
21 Total Contingency	-	-	866	866	866
22 TOTAL Including Betterments	-	-	6,643	6,543	6,543
23 Percent Contingency	0%	0%	15%	15%	15%

Task Level Budget	Amended FY2004 (A)	Budget (B)	Budget Transfer (K)	Revised Budget (L)
24 Advance Utility Work (C757)	5,480		1,010	6,490
25 Tukwila (C755)	280,798		(390)	280,408
26 Environmental Mitigation	6,940		(620)	6,320
27 Total Budget transfer	293,218		-	293,218

(L) REVISED BUDGET = AMENDED 2004 BUDGET + formal budget and scope transfers to the Advance Utility Work (C757) budget line item within the construction phase, which have been approved by the Link Director.

M/W/DBE – SMALL BUSINESS PARTICIPATION

Prime Consultant/Contractor

The goals for this contract were 20% small business participation, to be met utilizing at least 12% M/W/DBE participation. Frank Coluccio construction company is the projected prime contractor for this contract. They have committed to a 20.04% Small Business Goal, of which 14.15% is to be performed with M/W/DBE firms.

Utilization Breakdown Table

Subcontractor	Business Type	% of Work	Dollar Value
US Electric	Small Business	2.50	\$144,450
Apply A Line	Small Business	0.23	\$13,277
NW Paving	Small Business	2.04	\$118,000
All City Paving	Small Business	0.43	\$25,000
JKT Development	MBE/DBE	3.77	\$218,000
Nor-Pac Enterprises	WBE/DBE	7.72	\$446,182
Gloria Jeane Hauling	MBE/DBE	0.31	\$18,000
Coates Surveying Service	MBE/DBE	0.51	\$30,000
Olympia Landscape	Small Business	0.69	\$40,000
SeaTac Sweeping	MBE/DBE	0.09	\$5,000
Salinas Construction	MBE/DBE	1.73	\$100,000
Total		20.05%	\$1,157,909

EEO Commitment

Frank Coluccio construction company is committed to adhering to Sound Transit's Equal Employment Opportunity (EEO) requirements for this project. The EEO goals established for this project are 21% Persons of Color and 12% women for an aggregate overall figure of 33%. Frank Coluccio construction company indicates a workforce comprised of 13% persons of color and 14% women.

Apprentice Utilization Commitment

Frank Coluccio construction company is committed to adhering to Sound Transit's apprenticeship utilization goal of 20% for this project. Frank Coluccio construction company indicates that their apprenticeship utilization for this project will be 21.5%.

HISTORY OF PROJECT

Light rail construction in Tukwila will extend approximately 4.9 miles from South Boeing Access Road to South 154th Street. The alignment in this segment of the light rail system will be approximately 87% elevated, with the remainder of the alignment in a retained cut/fill configuration. The aerial guideway in this segment will be constructed using pre-cast segmental construction methods. Along certain sections of the alignment, existing Seattle City Light transmission and distribution facilities will need to be relocated before the aerial guideway can be erected. The City of Tukwila's ordinance requires utilities to be undergrounded when improvements are made in the public right of way. Once the work of erecting the aerial guideway begins, this type of construction proceeds in a linear fashion, with almost no

alternatives for work-arounds if the existing overhead utilities have not been relocated in advance when the erection equipment arrives at a particular location. Sound Transit has agreed with Seattle City Light to construct the underground infrastructure necessary for the relocation of existing distribution facilities and to procure two steel monopoles for the raising of the existing 230kv transmission facilities at South 112th Street. Seattle City Light will complete the necessary electrical work and remove the existing poles and overhead lines.

In August 2003, Link staff concluded that risks of schedule delay to the aerial guideway construction work would be significantly reduced by performing these critical undergrounding activities under an advance utility relocation contract. The advance construction of underground infrastructure and procurement of transmission poles was packaged as Contract C757 and issued for bid in May 2004.

In September 2003, Sound Transit and the City of Seattle executed a Construction Services Agreement to cover the costs of completing the Seattle City Light electrical work associated with the advance utility relocation.

The C757 contract was advertised in the Daily Journal of Commerce on May 28 and June 2, 2004. Notice of the advertisement by e-mail was sent to over 800 potential bidders using Sound Transit's e-bid system. On July 23, 2004, Frank Coluccio construction company submitted the only bid. After analysis by Sound Transit staff, the bid was determined to be responsive and responsible. The bid exceeded the engineer's estimate by 4% but is within the assigned budget.

All required environmental compliance to support the Board's approval of this contract has been completed.

Prior Board or Committee Actions and Relevant Board Policies

Motion or Resolution Number	Summary of Action	Date of Action
M2003-91-1	Authorized the Chief Executive Officer to execute an interlocal agreement with the City of Seattle to provide construction support services for the Central Link Light Rail Initial Segment in the amount of \$37,969,043, with a contingency of \$3,255,019, for a total authorized amount not to exceed \$41,224,062. This action also authorizes a task limit of \$45,574,062 before City of Seattle credits to Sound Transit of \$4,350,000 and supersedes Motion No. M2003-91.	9/25/03
M2002-45	Authorized the Executive Director to execute a contract with AMEC-Hatch Mott MacDonald Joint Venture (AMEC-HMM JV) to provide civil final design services for Central Link from South Boeing Access Road to South 154th Street in the amount of \$13,000,000 plus a 10% contingency of \$1,300,000 for a total amount not to exceed \$14,300,000	4/25/02

CONSEQUENCES OF DELAY

The procurement of the two steel monopoles included in Contract C757 is necessary to complete the raising of Seattle City Light's existing 230kv transmission lines at South 112th Street that would otherwise be in conflict with the light rail aerial guideway. The lead time for manufacturing the poles is approximately eight months. Seattle City Light will only allow outages on these transmission lines within narrow time windows in the late summer. If poles are not procured by May 2005, the raising of the transmission lines may be delayed by a whole year, which would impact the construction schedule for the C755 contract.

The construction of the Tukwila Freeway Route closely follows the Beacon Hill Tunnel as the critical path of the Project Master Schedule. Therefore, any delay in completing various items of work in Contract C757 could impact the planned opening date of the Central Link system in 2009.

PUBLIC INVOLVEMENT

Sound Transit staff will continue working closely with Seattle City Light, the City of Tukwila, and various private telecommunication utilities to coordinate undergrounding of service connections to private residences and businesses.

LEGAL REVIEW

JW 8/5/04

SOUND TRANSIT

MOTION NO. M2004-84

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the Chief Executive Officer to execute a contract with Frank Coluccio Construction Company, for advance utility relocation work for Central Link from Boeing Access Road to South 154th Street station in the amount of \$5,776,128 with a 15% contingency of \$866,419, for a total authorized contract amount not to exceed \$6,642,547, which includes reimbursements to Sound Transit by Qwest, Comcast, and Seattle City Light for work in the amount of \$198,812.

Background:

Light rail construction in Tukwila will extend approximately 4.9 miles from South Boeing Access Road to South 154th Street. The alignment in this segment of the light rail system will be approximately 87% elevated, with the remainder of the alignment in a retained cut/fill configuration. The aerial guideway in this segment will be constructed using pre-cast segmental construction methods. Along certain sections of the alignment, existing Seattle City Light transmission and distribution facilities will need to be relocated before the aerial guideway can be erected. The City of Tukwila's ordinance requires utilities to be undergrounded when improvements are made in the public right of way. Once the work of erecting the aerial guideway begins, this type of construction proceeds in a linear fashion, with almost no alternatives for work-arounds if the existing overhead utilities have not been relocated in advance when the erection equipment arrives at a particular location. Sound Transit has agreed with Seattle City Light to construct the underground infrastructure necessary for the relocation of existing distribution facilities and to procure two steel monopoles for the raising of the existing 230kv transmission facilities at South 112th Street. Seattle City Light will complete the necessary electrical work and remove the existing poles and overhead lines.

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The contract was advertised in the Daily Journal of Commerce on May 28 and June 2, 2004. Notice of the advertisement by e-mail was sent to over 800 potential bidders using Sound Transit's e-bid system. On July 23, 2004, Frank Coluccio Construction Company submitted the only bid. After analysis by Sound Transit staff, the bid was determined to be responsive and responsible. The bid exceeded the engineer's estimate by 4% but has been found to be reasonable and within the assigned budget. Accordingly, staff is seeking Board authorization to award the contract.

This contract includes relocation of selected facilities owned by private utility companies. In accordance with executed project cost sharing agreements, Qwest and Comcast will be

reimbursing Sound Transit in the amounts of \$62,713 and \$36,099, respectively, for betterment work performed under this contract.

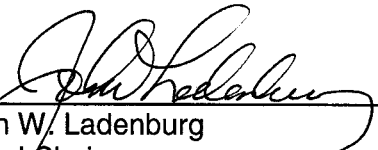
Work to be performed under this contract will include system improvements to Seattle City Light infrastructure for which Seattle City Light will reimburse Sound Transit in the amount not to exceed \$100,000. This amount is included in the contingency.

All required environmental compliance to support the Board's approval of this contract has been completed.

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 Frank Coluccio Construction Company, for advance utility relocation work for Central Link from Boeing Access Road to South 154th Street station in the amount of \$5,776,128 with a 15% contingency of \$866,419, for a total authorized contract amount not to exceed \$6,642,547, which includes reimbursements to Sound Transit by Qwest, Comcast, and Seattle City Light for work in the amount of \$198,812.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on September 9, 2004.



John W. Ladenburg
Board Chair

ATTEST:



Jane Emerson
Board Coordinator