

**SOUND TRANSIT  
STAFF REPORT**

**MOTION NO. M2005-109**

**Link Quality Assurance Audit Contract**

<b>Meeting:</b>	<b>Date:</b>	<b>Type of Action:</b>	<b>Staff Contact:</b>	<b>Phone:</b>
Finance Committee	10/06//05	Discussion/Possible Action	Ahmad Fazel, Link Director <b>Tim McClure, Link QA Manager</b>	(206) 398-5389  (206) 398-5399

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

**PROJECT NAME**

Central Link Initial Segment Quality Assurance

**PROPOSED ACTION**

Authorizes the Chief Executive Officer to execute a contract with Gannett Fleming, Inc. to provide quality assurance audit services for the Central Link Initial Segment project for a total authorized amount not to exceed \$381,700 for a two-year term with an option to extend the contract for one additional year.

**KEY FEATURES of PROPOSED ACTION**

- Provides quality assurance (QA) oversight in the form of audits and surveillances services of the various systems contracts for each phase of the systems contracts.
- Scope of work includes: the performance of systems contractor audits and surveillances on the Light Rail Vehicles, Traction Electrification, Train Signal (which includes train control), Communications and Fare Collection contracts, as well as, civil to systems interfaces through each phase of the systems contracts, and; the processes and protocols for performing the audit and surveillance processes.
- This action is needed to meet the FTA mandate that Sound Transit perform QA oversight on contractors. In addition, the Link QA Division does not have budgeted FTE positions or consultant resources qualified to perform the required QA oversight of the Link systems contracts.
- The purpose of this action is to procure the required level of qualified resources with highly technical expertise to perform the number of audits and surveillances necessary to assure Sound Transit senior management that the systems contractors have developed and executed reliable processes sufficient to achieve compliance to the contract requirements for each phase of the work.

- The proposed contract demonstrates Sound Transit's commitment to providing quality products through the utilization of qualified quality oversight professionals with specific experience in the various systems elements defined in the scope of work.
- This proposed contract utilized the Sound Transit competitive procurement process for the issuance of the Request for Proposal and for the selection of the best value qualified bidder from three firms that submitted bids.

**BUDGET IMPACT SUMMARY**

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

<b>Action Outside of Adopted Budget:</b>	<b>✓</b>	<b>Comments on Checked Items</b>
This Project		
This Phase		
This Task		
Budget Amendment Required		

<b>Key Financial Indicators:</b>	<b>✓</b>	<b>Comments on Checked Items</b>
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 a contract with Gannett Fleming, Inc. to provide quality assurance audit services for the Central Link Initial Segment project for a total authorized expenditure amount not to exceed \$381,700.

The total adopted capital budget for the Initial Segment is \$2.07 billion. Within that budget, \$500,000 has been set aside for quality assurance consultant services in the agency administration phase. Should the proposed action be approved, the balance remaining for this budget line item would be \$118,300.

The proposed action is consistent with the Board-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:** Gannett Fleming, Inc. (provide Quality Assurance Audit Services for the Central Link Initial Segment)

**(Year of Expenditure \$000)**

<b>Initial Segment</b>	<b>Amended 2005 Budget (A)</b>	<b>Committed To Date (B)</b>	<b>This Action (C)</b>	<b>Total Committed &amp; Action (D)</b>	<b>Uncommitted (Shortfall) (E)</b>
1 Agency Administration	218,780	113,169	382	113,551	105,229
2 Preliminary Engineering	34,000	33,363		33,363	637
3 Final Design	143,523	140,493		140,493	3,030
4 Right of Way	225,516	186,054		186,054	39,462
5 Construction	1,172,066	1,040,523		1,040,523	131,542
6 Construction Services	83,892	81,727		81,727	2,166
7 Third Party Agreements	58,916	56,012		56,012	2,904
8 Vehicles	133,307	131,799		131,799	1,508
9 <b>Total Current Budget</b>	<b>2,070,000</b>	<b>1,783,140</b>	<b>382</b>	<b>1,783,522</b>	<b>286,478</b>
<b>Agency Administration Phase</b>					
10 QA Consultants	500	-	382	382	118
11 Other QA	200	-		-	200
12 Other Agency Administration	218,080	113,169		113,169	104,911
13 <b>Total Phase</b>	<b>218,780</b>	<b>113,169</b>	<b>382</b>	<b>113,551</b>	<b>105,229</b>
(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.					
<b>Contract Amount</b>	<b>Board Approvals to Date (F)</b>	<b>Current Approved Contract Value (G)</b>	<b>Proposed Action (H)</b>	<b>Proposed Total for Board Approval (I)</b>	<b>Proposed Contract Value (J)</b>
14 Contract Amount	-	-	382	382	382
15 Contingency	-	-	-	-	-
16 <b>Total</b>	-	-	<b>382</b>	<b>382</b>	<b>382</b>
17 Percent Contingency	0%	0%	0%	0%	0%
<b>Budget Shortfall</b>					
<b>Task Level</b>	<b>\$ (P)</b>	<b>Potential Resources (Q)</b>	<b>Source (R)</b>		
18	na	na	na		

## M/W/DBE – SMALL BUSINESS PARTICIPATION

### Prime Consultant/Contractor

Gannett Fleming is the prime consultant for this contract and has committed to 21% M/W/DBE-Small Business participation.

### Utilization Breakdown Table

<b>Subconsultant</b>	<b>Business Type</b>	<b>% of Work</b>	<b>Dollar Value</b>
PH Adams & Associates	Small Business	9	\$34,353
Transit Performance Engineering	Small Business	6	\$22,902
Raul V. Bravo & Associates	MBE/DBE	5	\$19,085
Acumen Building Enterprise, Inc.	Small Business	1	\$3,817
<b>Total</b>		<b>21%</b>	<b>\$80,157</b>

### EEO Commitment

Gannett Fleming workforce demographics are 21% women and 12% minorities.

### Apprentice Utilization Commitment

Not applicable to this action.

## **PROJECT DESCRIPTION and BACKGROUND for PROPOSED ACTION**

This Link QA Consultant Contract for Quality Assurance Audit Services will provide Sound Transit with quality assurance oversight capability in the form of audits and surveillances on the performance of the systems contractors' design, manufacturing, assembly, first-article testing and installation work for the five major Link systems contracts. These audits and surveillances will encompass the contracts for Light Rail Vehicles (P801), Train Signals (C802), Communications (C803), Traction Electrification (C807) and; Fare Collection (C809), as well as civil to systems interfaces at the Maintenance Facility (C810) and the light rail stations. With the exception of the design audit performed on the P801 Contractor Kinkisharyo, no other audits have been performed on systems contractors due to the current lack of systems FTE and consultant resources.

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

Not applicable to this action.

### **CONSEQUENCES of DELAY**

A delay of approval by the Finance Committee beyond October 6, 2005, will not allow sufficient time for Gannett Fleming audit team to prepare for and perform a design quality audit prior to completion of Siemens' design of the Traction Power Substation for the C807 Traction Electrification Contract.

### **PUBLIC INVOLVEMENT**

Not applicable to this action.

### **ENVIRONMENTAL COMPLIANCE**

Not applicable to this action.

### **LEGAL REVIEW**

JW 09/28/2005

## SOUND TRANSIT

### MOTION NO. M2005-109

A motion of the Finance Committee of the Central Puget Sound Regional Transit Authority authorizing the Chief Executive Officer to execute a contract with Gannett Fleming, Inc. to provide quality assurance audit services for the Central Link Initial Segment project for a total authorized amount not to exceed \$381,700 for a two-year term with an option to extend the contract for one additional year.

#### **Background:**

This Link QA Consultant Contract for Quality Assurance Audit Services will provide Sound Transit with quality assurance oversight capability in the form of audits and surveillances on the performance of the systems contractors' design, manufacturing, assembly, first-article testing and installation work for the five major Link systems contracts. These audits and surveillances will encompass the contracts for Light Rail Vehicles (P801), Train Signals (C802), Communications (C803), Traction Electrification (C807) and; Fare Collection (C809), as well as civil to systems interfaces at the Maintenance Facility (C810) and the light rail stations. With the exception of the design audit performed on the P801 Contractor Kinkisharyo, no other audits have been performed on systems contractors due to the current lack of systems FTE and consultant resources.

This proposed contract utilized the Sound Transit competitive procurement process for the issuance of the Request for Proposal (RFP) and for the selection of the best value qualified bidder from three firms that submitted bids.


#### **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 with Gannett Fleming, Inc. to provide quality assurance audit services for the Central Link Initial Segment project for a total authorized amount not to exceed \$381,700 for a two-year term with an option to extend the contract for one additional years.

APPROVED by the Finance Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on October 6, 2005.

  
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Jack Crawford  
Finance Committee Chair

ATTEST:

  
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Marcia Walker  
Board Administrator