

## SOUND TRANSIT

### MOTION NO. M2000-27

#### Contract for Civil Engineering Final Design Services International District to east of Interstate 5 BACKGROUND AND COMMENTS

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	3/2/2000	Discussion/Possible Action	Paul Bay, Director Bill Houppermans, Chief Engineer Kent Ng, Senior Civil Engineer	206-398-5127 206-398-5125 206-398-5128

#### ACTION:

Authorizing the Executive Director to execute a contract with Huitt-Zollars, Inc., for civil engineering final design services for the Central Link Light Rail line from the International District east of Interstate 5 in the amount of \$2,773,826, with a 10% contingency of \$277,383, for a total amount not to exceed \$3,051,209.

#### BACKGROUND:

Preliminary engineering for the Central Link Light Rail line was completed in December of 1999. The next step in project implementation is to begin final design phase. Staff is seeking Finance Committee approval to contract with Huitt-Zollars, Inc., to perform this next work. The civil engineering final design scope of services for this contract includes: preparation of plans, specifications and estimates (PS& E) for trackway; aerial and retained fill structures; earthwork; geometric plans and profiles; roadway modifications; new utility services and relocations; grading and drainage; and structural, electrical and mechanical design for stations. The final design documents developed and delivered under this scope of services will serve as the contract documents for soliciting bids and constructing the project under a public works procurement process. The final design services for systems engineering, traffic engineering, trackwork, geotechnical engineering, and architectural, landscaping and urban station design will be provided by other consulting firms under separate contracts. The Civil Facilities Consultant (CFC) of this contract will coordinate all the final design services.

#### RELEVANT BOARD POLICIES AND PREVIOUS ACTIONS TAKEN:

- ◆ Adoption of *Sound Move*, The Ten-Year Regional Transit System Plan (May 31, 1996)  
The Ten-Year Regional Transit System Plan (May 31, 1996) *Sound Move* calls for coordinating with other transportation providers and creating important regional connections.
- ◆ Resolution No. R99-33, adopting Fiscal Year 2000 Budget. The 2000 budget includes funds for final design activities and the acquisition of rights of way.
- ◆ Resolution No. R99-34, selecting the alignment and profiles, station locations, and vehicle maintenance base site to be built for the Central Link Light Rail Project. (November 18, 1999) selects the Locally Preferred Alternative for Central Link Light Rail LPA by segment, operations, and maintenance facility.

#### FUNDING:

Funding for this scope of work is included in *Sound Move* and in the FY 2000 Capital Budget. The budget for completion of these tasks is identified in Sound Transit's 2000 Budget under Final Design. With the budget

developed for the Central Link configuration as adopted by the Board on November 18, 1999, there is sufficient funding to complete the remaining work.

**LINK LIGHT RAIL  
Expenditures and Budget**

	2000 Approved Ten-year Budget <sup>2</sup>	Life to Date Expenditures and Outstanding Commitments <sup>3</sup>	Pending Board and Finance Committee Decisions <sup>4</sup>	Budget Available	Proposed Board Action
	A	B	C	A-(B+C)	E
Final Design <sup>1</sup>	\$200,620,000	\$ 16,884,965	\$ 38,918,668	\$144,816,368	\$3,051,209

1. All figures for Central Link only
2. Budget figures for Central Link, as developed for configuration adopted by Board action on Nov. 18, 1999
3. Commitments as of January 18, 2000 and expenditures as of November 31, 1999. These figures also include the full commitments for Architectural packages 1-7, Link portion of Signage Plan and Design Build Honorarium (Board Motion 99-70) and Shannon & Wilson Amendment (as acted upon by Finance Committee on Feb 17, 2000)
4. Includes LTK and PSTC Amendments, DKS Associates and Golder Associates contracts

**EXECUTIVE SUMMARY:**

**Scope of Work**

The scope of work for this contract includes preparing plans, reports, specifications, and estimate for Civil Facilities Engineering Design (Final Design phase). Specific services will include the following:

- /// Project Management & Control
- /// Systems & Project Integration
- /// Cost Estimation
- /// Coordinate survey requests
- /// Utility Design Report
- /// Drainage Design Report
- /// Specification, Standard Plans and Permits
- /// Quality Assurance & Quality Control
- /// Contract Drawings
- /// Bid Support Services During Construction & Assistance During Construction

**Procurement and Selection Process**

On November 10, 1999, Sound Transit advertised and issued Request for Proposals (RFPs) for the Civil Engineering Final Design Services, International District to east of Interstate 5. In response to the RFP, four proposals were submitted to Sound Transit for review. Three consultant teams were deemed qualified and oral interviews were held the week of December 20, 1999. The selection committee recommended that Sound Transit negotiate with Huitt-Zollars, Inc., the firm deemed most qualified based on written qualifications and the oral interview.

### **Contingency**

A 10% contingency is requested to be authorized for this contract in the amount of \$277,383. The Director of Light Rail will hold the contingency in reserve.

### **M/W/DBE Participation**

All consulting teams proposing on this contract were advised that Sound Transit promotes and encourages Minority, Women, and Disadvantage Business Enterprise participation on its contracts and has a Federal Disadvantaged Business Enterprises goal of 18%. Based on the availability of firms for architecture and engineering professional consulting services, goals of 15.5% and 9% were established for Minority Business Enterprises and Women Business Enterprises, respectively. Huitt-Zollars, Inc. commits to goals of 20.5% DBE, 21% MBE, and 8% WBE.

### **ALTERNATIVES:**

Two alternative approaches are possible for meeting Sound Transit's needs for final design services, as follows:

- Procurement of a different consultant team for final design services.
- Hire additional Sound Transit staff to perform these roles in support of the Light Rail Project implementation.

### **CONSEQUENCES OF DELAY:**

Entering into final design is critical to meet the project schedule for the Central Link Light Rail system and is critical to getting final design underway in preparation for our Full Funding Grant Agreement negotiations. This contract is in the Minimum Operable Segment. Delaying this procurement process would result in added time and costs for the entire project.

### **LEGAL REVIEW:**

MBL 2/17/00.

**SOUND TRANSIT**

**MOTION NO. M2000-27**

A motion of the Finance Committee of the Central Puget Sound Regional Transit Authority authorizing the Executive Director to execute a contract with Huitt-Zollars, Inc., for civil engineering final design services for the Central Link Light Rail Project from the International District to east of Interstate 5 in the amount of \$2,773,826 with a 10% contingency of \$277,383, for a total amount not to exceed \$3,051,209.

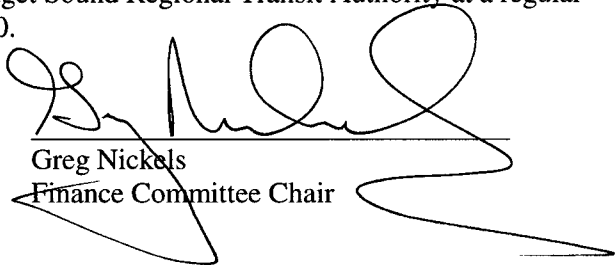
**Background:**

Preliminary engineering for the Central Link Light Rail line was completed in December 1999. The next step in project implementation is to begin final design phase. Staff is seeking Finance Committee approval to contract with Huitt-Zollars, Inc., to perform this next work. The civil engineering final design scope of services for this contract includes: preparation of plans, specifications and estimates (PS& E) for trackway; aerial and retained fill structures; earthwork; geometric plans and profiles; roadway modifications; new utility services and relocations; grading and drainage; and structural, electrical and mechanical design for stations. The final design documents developed and delivered under this scope of services will serve as the contract documents for soliciting bids and constructing the project under a public works procurement process. The final design services for systems engineering, traffic engineering, trackwork, geotechnical engineering, and architectural, landscaping and urban station design will be provided by other consulting firms under separate contracts. The Civil Facilities Consultant (CFC) of this contract will coordinate all the final design services.

**Motion:**

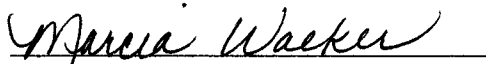
It is hereby moved by the Finance Committee of the Central Puget Sound Regional Transit Authority that the Executive Director is authorized to execute a contract with Huitt-Zollars, Inc., for civil engineering final design services for the Central Link Light Rail line from the International District to east of Interstate 5 in an amount of \$2,773,826 with a 10% contingency of \$277,383 for a total amount not to exceed \$3,051,209.

Approved by the Finance Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof on the 2<sup>nd</sup> day of March 2000.



Greg Nickels  
Finance Committee Chair

ATTEST:



Marcia Walker  
Board Administrator