



Date: July 21, 2006
 Committee Meeting Date: July 20, 2006
 Board Meeting Date: August 3, 2006
 ACTION X DISCUSSION INFO

BOARD MEMORANDUM

TO: Committee of the Whole
 Santa Clara Valley Transportation Authority
 Board of Directors

THROUGH: Michael T. Burns *Michael T. Burns*
 General Manager

FROM: Jack J. Collins *J. Collins*
 Chief Construction Officer

SUBJECT: Capitol Expressway Light Rail Project – Final Design Services

RECOMMENDATION:

Authorize the General Manager to execute a contract amendment with Rajappan & Meyer Consulting Engineers, Inc. in an amount not to exceed a total of \$15,400,000 for a new contract total amount of \$27,049,059 and extend the contract term by two years to perform final design services for the Capitol Expressway Light Rail Project to the Eastridge Transit Center.

BACKGROUND:

In March 2005, the VTA Board of Directors approved the Capitol Expressway Light Rail Project Environmental Impact Report (EIR) defining two phases for the three-mile extension from the Alum Rock Station along Capitol Expressway to Nieman Boulevard in the City of San Jose. The approved project extends light rail 2.5 miles to the Eastridge Transit Center in Phase 1, and an additional 0.6-miles to Nieman Boulevard in Phase 2.

On August 5, 2004, the Board awarded a thirteen-month contract in the amount of \$10,077,045 to Rajappan & Meyer Consulting Engineers, Inc. to perform preliminary engineering for Phases 1 (Eastridge) and 2 (Nieman) of the project. Future contract amendments for final design and design support during construction would be considered upon satisfactory completion of preliminary engineering and authorization to proceed with the project.

The consultant completed preliminary engineering in May 2006. In June 2006, a contract amendment in the amount of \$1,572,014 was executed for additional engineering to support a project Supplemental Environmental Impact Report (SEIR) and for refinements at the Eastridge Transit Center so it could serve as an interim end-of-the-line station.

DISCUSSION:

The current VTA biennial approved budget through FY 2007 includes funding for starting final design, completing an environmental re-assessment, and VTA staff activities associated with the Capitol Expressway Light Rail Project.

VTA staff is proposing a contract amendment with Rajappan & Meyer Consulting Engineers, Inc. for final design of the Capitol Expressway Light Rail Project extension to the Eastridge Transit Center which is planned for operation in FY 2012. Final design activities for the Phase 2 extension to Nieman Boulevard are not proposed at this time in accordance with the FY 2024 completion schedule depicted in the approved 2000 Measure A Revenue and Expenditure Plan. Proceeding now with final design of the Capitol Expressway Light Rail Project Phase I extension to the Eastridge Transit Center will allow work to progress without interruption, on a schedule consistent with the priorities set for the rail program.

The proposed contract amendment with Rajappan & Meyer Consulting Engineers, Inc. will increase the contract by \$15,400,000, extend the contract term by two years, and provide an estimated 117,000 hours of final design services. Construction contract documents for the extension to the Eastridge Transit Center are to be completed by June 2008.

The proposed contract amendment will be structured as a cost-plus fixed-fee type contract. The professional fixed-fee for this amendment is estimated to be \$1.13 million, including the fixed-fee of all sub-consultants on the Rajappan & Meyer Consulting Engineers, Inc. team.

The total contract amount for design services is within the project budget established for the Capitol Expressway Light Rail Project, shown below in year 2003 dollars:

| | |
|----------------------|-----------------|
| Environmental/Design | \$ 47.7 m |
| Right-of-Way | \$ 34.7 m |
| Construction | \$187.4 m |
| Total | <hr/> \$269.8 m |

ALTERNATIVES:

There are no practical alternatives to the recommended action if the project is to proceed into final design and meet the established completion date.

FISCAL IMPACT:

The Capitol Expressway Light Rail extension to the Eastridge Transit Center is part of the 2000 Measure A Program. The proposed contract amendment is consistent with the amounts included in the approved expenditure plan, and VTA's adopted biennial budget.

SMALL BUSINESS ENTERPRISE (SBE) PARTICIPATION:

Based on identifiable subcontracting opportunities, a SBE goal of 21% has been established for this contract. Contractor met the goal established for preliminary engineering services contract and has committed to 21% SBE participation for future contract amendments.

Prepared by: Kenneth Ronsse, Project Manager