

RIVERSIDE TRANSIT AGENCY  
1825 Third Street  
Riverside, CA 92507

May 26, 2005

TO: BOARD OF DIRECTORS

THRU: Larry Rubio, Chief Executive Officer

FROM: Vince Rouzaud, Director of Purchasing and Materials Management

SUBJECT: Authorization to Award a Contract to Siemens VDO for Intelligent Transportation Systems (ITS) Applications

Summary: In 1996, the Riverside Transit Agency (RTA), in cooperation with the Riverside County Transportation Commission (RCTC), Southern California Association of Governments (SCAG), and SunLine Transit Agency (Sunline), submitted a Transit Intelligent Transportation System (ITS) grant application to the Federal Transit Administration (FTA). Funding was subsequently allocated through the FTA and later, additional funds were obtained through the Federal Highway Administration (FHWA) and local match grants. The original scope for this project required RTA and Sunline (Agencies) to be able to exchange route information on a real-time basis. For this reason, the procurement was structured as a joint procurement between RTA and SunLine, with RTA designated as lead Agency. RTA, with the assistance of RCTC and SCAG, contracted with Meyer, Mohaddes Associates, Inc. (MMA) for technical consulting services to develop the technical specifications and to provide continuing consulting services during project implementation (RTA Board approval for this contract was granted February 2001.) At the conclusion of the procurement process, the Agencies would execute separate contracts with the successful firm.

In December 2002, staff issued a Request For Proposals (RFP) for ITS applications equipment and subsequently, with the Board's approval, awarded the project to Digital Recorders Inc. (DRI) in July 2003. In January 2004, staff recommended to the Board that they cancel its previous action of July 2003 due to DRI's inability to secure the required performance bonding for the project.

In March 2004, staff received notification from SCAG of their desire to amend the MOU between the RTA, Sunline and SCAG. Staff was also notified that reprocurement efforts would be delayed until a new MOU was in place. A revised MOU was agreed upon by all parties in late September 2004 and SCAG issued RTA a notice to proceed on the procurement action on October 4, 2004.

Prior to reissuing a new Request for Proposals, staff met with the project's stakeholders to review the project's original scope, redefine the technical specifications, and, to develop a new project procurement schedule.

The following list of desired transit system enhancements remained essentially the same for the overall joint project:

- 1) Enhance customer information
- 2) Enhance the efficiency and effectiveness of transit services
- 3) Maximize passenger movements
- 4) Reduce operational costs
- 5) Improve safety within both transit systems
- 6) Provide for integration and data exchange between agencies

In late November 2004, a notice of solicitation was published and the RFP was released on December 1, 2004. In addition, as is customary for all formal procurements, a public notice of the procurement was published in a local newspaper of general circulation and a download of the RFP document was made available on the Agency's website.

On February 1, 2005, proposals were received from the following four vendors:

Digital Recorders Inc.  
Orbital Sciences Corporation  
Siemens VDO  
NextBus

The NextBus proposal was deemed non-responsive as it did not include the required bid bond and, therefore, was excluded from further consideration.

The remaining three proposals were reviewed by an evaluation committee representing staff from the Operations, Information Technology, Maintenance, Planning and Purchasing departments of both Agencies along with the Agencies technical consultant, MMA.

At the conclusion of the initial technical review, Siemens, Orbital and DRI were invited to give oral presentations on their proposed systems to the committee. The committee then ranked the proposals from lowest to highest. The proposal from Siemens received the highest technical ranking by the committee followed by Orbital and DRI respectfully.

Based upon the interview presentations, the evaluation committee made the decision to short-list the proposals and exclude DRI from further consideration. This decision was based upon the committee's determination that the system components proposed by DRI were less

mature when compared to the other two firms as well as their limited experience with previous ITS installations.

To further evaluate the Siemens and Orbital equipment capabilities, the evaluation committee scheduled site visits to both Long Beach Transit and the Los Angeles County Metropolitan Transit Authority. Lastly, both firms were requested to respond to final clarifications and to submit Best and Final Offers (BAFO's). The final revised pricing is as follows;

Orbital	\$3,274,873
Siemens	\$3,148,934

Upon receipt of BAFO's, a final evaluation committee meeting was held to evaluate the proposal's technical merits based upon the original submittals, oral interviews and site visits as well as review final pricing. SunLine stated that while both vendors were technically acceptable, they did not believe the technical solutions offered by either vendor were the best solutions for SunLine, nor did they feel that they would have sufficient funding to support their portion of the project. RTA staff determined the the Siemens' technical solution and price proposal offers RTA the highest quality integrated ITS system at the lowest possible cost.

The contract with Siemens will include the following equipment: all directly operated vehicles will be equipped with Mobile Data Terminals (MDT's) and the equipment to enable the Computer Aided Dispatch (CAD)/Automatic Vehicle Location (AVL) functions. Supervisor vehicles will be equipped with MDTs for communication purposes. In addition, Automatic Passenger Counters (APC's) will be installed on all directly operated vehicles, and, seventy-seven (77) Advanced Traveler Information Signs (ATIS) will be installed at locations such as, the Riverside downtown terminal, the Moreno Valley Mall, and the Galleria at Tyler, as well as other selected locations. There will be additional costs for cellular transmission services that will be negotiated directly with a cellular provider; these ongoing costs, estimated to be approximately \$5,500 per-month, will become part of the annual operating budget.

Since the RFP was structured "cafeteria style" with the various ITS technology components listed separately as options, staff would like to include a contingency amount of 10% above the base-bid amount that would cover additional equipment and/or services. This will enable staff to finalize the options, quantities and locations for ATIS that best meet the needs of the Agency. Staff will return to the Board with an update once this process has been completed.

In addition to the ITS equipment mentioned above, the overall project will include adding additional servers, computer workstations, dispatch center, etc. There is ample funding remaining in the project budget to purchase these requirements separately.

Lastly, at the conclusion of the final evaluation meeting, SCAG, knowing the RTA is eager to move forward with this project, stated that they would work diligently with the FTA and FHWA to facilitate the process of removing one party (Sunline) from the joint project. As of this writing it is unknown as to how quickly this will occur.

Fiscal Impact:

Funding for this project has been allocated and is as follows:

FTA (03-0526)	\$399,319.25
FHWA through CalTrans ITS 99-6049(007)	\$306,541.25
Local Match	\$280,422.00
RTA Grant X774	\$1,404,420.06
RTA Grant Y066	\$427,052.11
RTA Grant Y272	\$1,000,000.00
OOL-RT16	\$88,314.74
Total Project Funds	<u>\$3,906,069.41</u>
Less This Agreement	\$3,463,832.00
Remaining Balance	\$442,237.41

Committee Recommendation:

This item was presented at the Board Administrative, Board Operations, and Board Budget and Finance Committee meetings of May 9th, May 11<sup>th</sup>, and May 12<sup>th</sup>, respectively. The Committees' members unanimously approved recommending this item to the full Board of Directors for their consideration.

Recommendation:

Contingent upon notification from SCAG of resolution of the SunLine issue noted above, authorize staff to negotiate and award a contract to Siemens VDO for RTA's ITS technology requirements in an amount not to exceed \$3,463,832.