

# Agenda Report

**TO:** CITY COUNCIL

**DATE:** January 24, 2005

**FROM:** CITY MANAGER

**SUBJECT:** CONTRACT AWARD TO SIEMENS ITS, INC. TO PROVIDE SYSTEM INTEGRATION FOR THE STATE ROUTE 710 MITIGATION – TRAFFIC CONTROL AND MONITORING SYSTEMS – INTELLIGENT TRANSPORTATION SYSTEMS PROJECT

## RECOMMENDATION

It is recommended that the City Council authorize the City Manager to enter into a contract with Siemens ITS, Inc. to provide System Integration for the State Route (SR) 710 Mitigation – Traffic Control and Monitoring Systems – Intelligent Transportation Systems (ITS) Project in an amount not to exceed \$ 892,000; which includes \$ 841,517 for the basic scope of services and \$ 50,483 for any additional services the City may request. Competitive bidding is not required pursuant to City Charter Section 1002 (F) professional or unique services.

## BACKGROUND

The Traffic Control and Monitoring Systems – ITS project is one of the eight projects included in Pasadena's SR 710 Mitigation Project funded by Transportation Bill H.R. 5394. This project will install ITS technologies and various degrees of traffic signal upgrades to improve mobility on 11 corridors that were identified as being impacted by the 710 freeway gap. This project has several phases, including conceptual design, detailed design, system integration, and construction of the field improvements. To date, the conceptual design has been completed and the detailed design is essentially complete.

The System Integration phase of this project will provide software upgrades to the Traffic Control System (TCS) to enhance traffic signal operations, ensure that the field devices (such as closed circuit television cameras, changeable message signs, detection systems, etc.) installed as part of this project are fully functional under the TCS; and provide any computer system hardware improvements at the

Traffic Management Center to make all equipment upgrades compatible. These improvements will enhance mobility along the 11 corridors through more traffic responsive signal operation and improved signal coordination.

The City's existing Traffic Management Center, including the associated computer hardware equipment and existing TCS was implemented over 12 years ago. The rapid change in technology in the past several years has resulted in much inefficiency when operating the system. In addition, the existing TCS is not capable of communicating with advanced traffic control devices that are currently being installed. The proposed TCS under this contract was designed with the latest computer technology and will enable the City to operate and control traffic signals more efficiently. The proposed TCS is able to communicate with traffic signals via fiber optic communication, and will thus enhance and expedite the rate of data communication between traffic signals and the Traffic Management Center. The proposed TCS will create a comprehensive Traffic Management Center where the City's traffic signals, changeable message signs, and traffic monitoring cameras are all integrated and accessible from each workstation. The new system will also have incident management capabilities, which will allow staff to respond to incidents in a more timely and efficient manner, thereby minimizing congestion and delay on the City's streets.

A Request for Proposals (RFP) was issued on June 18, 2004, for consultant services to provide system integration for the Traffic Control and Monitoring Systems – ITS project. A pre-proposal meeting was held on July 2, 2004, to resolve any questions regarding this RFP.

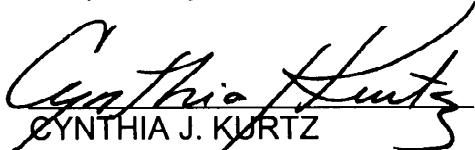
On July 19, 2004, proposals were received from three firms; BI Tran Systems, Inc., Siemens ITS, Inc., and Transcore ITS. A seven-member consultant selection committee composed of staff from the City of Anaheim Public Works Department and staff from the Departments of Public Works and Transportation reviewed the proposals in accordance with the evaluation criteria set forth in the RFP. As a result of this process, all three firms were invited for interviews.

The consultants were interviewed on August 12, 2004 and ranked by the consultant selection committee as shown on Attachment "A". Based on their qualifications and successful interview, Siemens ITS, Inc. was ranked number one and selected for the subject project. The total compensation to Siemens ITS, Inc. under this contract will include compensation in an amount not to exceed \$ 892,000. This includes a base contract amount of \$ 841,517 and approximately six percent allocated for contingencies.

**FISCAL IMPACT**

The Traffic Control and Monitoring Systems – ITS project (Budget Account No. 75019) is included in the current Capital Improvement Program and there are sufficient funds available for this contract.

Respectfully submitted:

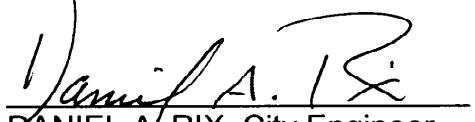
  
CYNTHIA J. KURTZ  
City Manager

Prepared by:



ANDREW R. MUTH  
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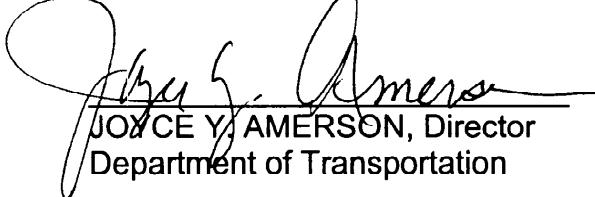
Reviewed by:

  
DANIEL A. RIX, City Engineer  
Department of Public Works

Approved by:

  
MARTIN PASTUCHA, Director  
Department of Public Works

Concurred by:

  
JOYCE Y. AMERSON, Director  
Department of Transportation

**ATTACHMENT A****System Integration for the Traffic Control and Monitoring Systems - ITS Project**

<b>Selection Criteria</b>	<b>Score</b>		
	<b>Siemens ITS</b>	<b>Transcore ITS</b>	<b>BITran Systems</b>
Project Manager	21.18	22.14	17.68
Project Team	22.04	22.86	19.11
Firm's Qualifications	9	9	8.5
Project Understanding and Approach	25.07	27.94	24.64
Demonstrated Intent to Comply with City's Disadvantaged Business Enterprise (DBE) Goal	10	3.3	10
Cost <sup>1</sup>	N/A	N/A	N/A
Local Pasadena Business <sup>1</sup>	N/A	N/A	N/A
<b>Total</b>	<b>87.29</b>	<b>85.25</b>	<b>79.93</b>

Note: <sup>1</sup>Cost and local business preference are precluded from evaluation criteria because project is federally funded.