



**Metro**

Los Angeles County  
Metropolitan Transportation Authority

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**CONSTRUCTION COMMITTEE  
JANUARY 15, 2009**

**PROJECT: METRO ORANGE LINE EXTENSION**

**CONTRACT: PS-4370-1952, ENGINEERING SERVICES, ITERIS, INC**

**ACTION: AUTHORIZE THE CHIEF EXECUTIVE OFFICER TO  
NEGOTIATE AND EXECUTE CONTRACT MODIFICATIONS  
FOR ENGINEERING SERVICES**

**RECOMMENDATION**

Authorize the Chief Executive Officer to:

- A. Negotiate and execute Contract Modification to Contract PS-4370-1952 with Iteris, Inc. for the design development (phase 3) and engineering support services during construction (phase 4) for the Metro Orange Line (MOL) Extension Project, in the amount not-to-exceed \$3,500,000, increasing the Total Contract Value from \$5,974,246 to \$9,474,246;
- B. Negotiate and execute Contract Modification to Contract PS-4370-1952 with Iteris, Inc. to perform final design services which are not included in the original scope of services but are required to support acceleration of the MOL Extension Project, in an amount not-to-exceed \$1,000,000, increasing the Total Contract Value from \$9,474,246 to \$10,474,246; and
- C. Approve Contract Modification Authority (CMA) to provide funding for future modifications that are within the Board-delegated authority in the amount of \$450,000.

Approval of these items is conditional upon approval of the Canoga Transportation Corridor (Metro Orange Line Extension) Final Environmental Impact Report (FEIR).

Within Construction Committee authority:       Yes       No       N/A

## RATIONALE

The MOL Extension Project is a four-mile extension of the MOL extending from the existing Canoga park-and-ride lot to the Chatsworth Metrolink Station. The Project includes: busway, new station platforms at the Canoga park-and-ride lot, new stations at Sherman Way (with park-and-ride), Roscoe Boulevard, Nordhoff Street, and the Chatsworth Metrolink Station; bikeway and transportation enhancements/greenway; and an over-crossing/grade-separation over active railway tracks and Lassen Street, providing direct access into the Chatsworth Metrolink Station.

In March, 2007 the Board authorized the Chief Executive Officer to negotiate and execute a professional services contract (PS-4370-1952) with Iteris Inc., for the first two of four phases for an amount not-to-exceed \$5,974,246. These two phases are for the environmental clearance (phase 1) and preliminary engineering (phase 2) for the project. After completion of the environmental clearance for the project, we agreed to return to the Board to seek authorization to exercise options for the remaining two phases for the design development and the engineering support services during construction. Remaining funds from phase 2 will be applied towards phases 3 and 4 for the design development and engineering support services.

Recommendation A is to perform engineering services to advance the preliminary engineering and produce the design-build solicitation documents for most of the busway alignment and stations, and to provide design support during solicitation and construction of the project. After the Board's approval of the FEIR, these engineering services are the next steps to move forward with the MOL Extension project.

Recommendation B is to perform engineering services required to produce signed and sealed design-bid-build solicitation documents for the grade-separation bridge over the operating railroad/Lassen Street and other schedule critical work. This final design work is not included in the original scope of services, but is required to accelerate the project. As Iteris Inc., has substantially completed the PE, utilizing the same design staff from Iteris, Inc., would be the fastest and most cost effective means to complete the final design. Completing the final design earlier and procuring separate construction contractors (design-bid-build delivery method) would allow schedule critical work such as the grade-separation bridge to be completed sooner and would result in early completion of the project.

Under Recommendation C, we are requesting contract modification authority to cover any contract changes that are required to maintain schedule or possibly accelerate the project.

These Recommendations will facilitate the potential acceleration of the overall schedule for the MOL Extension Project.

## IMPACTS TO OTHER CONTRACTS

Concurrent with this action, we are also submitting Board items for establishing a life-of-project budget for new Capital Project No. 800119 for the design and construction of the project, and for approval of the design-build contracting delivery approach. Recommendation A is required to avoid delays in procurement and design oversight of future design-build contacts, which is also on the agenda.

Recommendation B is required to procure future design-bid-build contacts which are necessary to support acceleration of the project.

## FINANCIAL IMPACT

Funding of \$1.5 million is included in the FY09 budget in Project No. 405513 in Cost Center 8510. These funds were programmed to complete the environmental, planning and engineering phases of the project. Since this is a multi-year contract, the Project Manager and Chief Capital Management Officer will be accountable for budgeting future year's costs.

## ALTERNATIVES CONSIDERED

The Board may reject Recommendation A. We do not recommend this alternative because engineering services are needed to timely develop the design-build solicitation documents, acquire the right-of-way, and perform design oversight of the design builder work for this project.

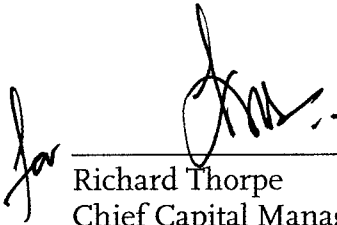
The Board may reject Recommendation B. We do not recommend this alternative because the cost and schedule benefits derived from the completion of final design of the schedule critical work by Iteris Inc., would not be realized.

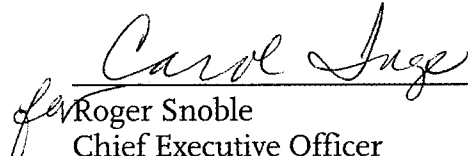
The Board may reject Recommendation C. We do not recommend this alternative because any change would require Board approval, which could adversely impact staff's ability to quickly respond to changing circumstances.

## ATTACHMENTS:

- A. Procurement summary
- A-1. Procurement History
- A-2. List of Subcontractors

Prepared By: William Brown, Senior Project Control Manager  
Hitesh Patel, Project Manager

  
Richard Thorpe  
Chief Capital Management Officer

  
Roger Snoble  
Chief Executive Officer

**BOARD REPORT ATTACHMENT A  
PROCUREMENT SUMMARY  
CONTRACT PS-4370-1952 ITERIS, INC.**

1.	Contract Number: PS-4370-1952		
2.	Recommended Vendor: Iteris, Inc.		
3.	Cost/Price Analysis Information:		
	A. Bid/Proposed Price: \$4,137,739 & \$468,320	Recommended Price: \$3,500,000 & \$1,000,000	
	B. Details of Significant Variances are in Attachment A-1.D		
4.	Contract Type: Cost Plus Fixed Fee (CPFF)		
5.	Procurement Dates:		
	A. Issued: N/A		
	B. Advertised: N/A		
	C. Pre-proposal Conference: N/A		
	D. Proposals Due: N/A		
	E. Pre-Qualification Completed: N/A		
	F. Conflict of Interest Form Submitted to Ethics: N/A		
6.	Small Business Participation:		
	A. Bid/Proposal Goal: N/A	Date Small Business Evaluation Completed: None Recommended	
	B. Small Business Commitment: N/A		
7.	Invitation for Bid/Request for Proposal Data:		
	Notifications Sent: N/A	Bids/Proposals Pickedup N/A:	Bids/Proposals Received: N/A
8.	Evaluation Information:		
	A. Bidders/Proposers Names: Iteris, Inc.	<u>Bid/Proposal Amount:</u> \$4,137,739 & \$468,320	<u>Best and Final Offer Amount:</u> \$ N/A
	B. Evaluation Methodology: N/A		
9.	Protest Information:		
	A. Protest Period End Date: N/A		
	B. Protest Receipt Date: N/A		
	C. Disposition of Protest Date: N/A		
10.	Contract Administrator: John Doidge	Telephone Number: 922-1034	
11.	Project Manager: Hitesh Patel	Telephone Number: 922-7212	

**BOARD REPORT ATTACHMENT A-1  
PROCUREMENT HISTORY**

**CONTRACT MODIFICATION TO PERFORM DESIGN DEVELOPMENT AND  
ENGINEERING SUPPORT SERVICES DURING CONSTRUCTION AND TO PERFORM  
FINAL DESIGN SERVICES ON THE METRO ORANGE LINE EXTENSION PROJECT**

A. Background on Contractor

Iteris, Inc.  
707 Wilshire Blvd., #4810  
Los Angeles, CA 90017

Iteris, Inc. formerly known as Iteris Holdings Inc. was incorporated in 1987. With over 20 years in business, Iteris, Inc. has become a leading consulting firm offering engineering, architectural, planning, environmental and construction management services. Its Transportation Systems unit specializes in transportation planning, traffic engineering and intelligent transportation systems. In addition, the firm's services also include planning and other engineering for the implementation of transportation infrastructure and related communication systems, analysis and environmental impact studies, goods movement studies, and design of commercial vehicle operations and parking systems.

As a prime contractor in support of Metro requirements, Iteris, Inc. has performed satisfactorily on the North/South San Fernando Valley Transit Corridor Study, the Arterial Master Plan and the Arterial ITS Inventory & Architecture projects, the Santa Monica Boulevard Transit Parkway Project, and the Wilshire BRT PE & Environmental Project. On this contract, Iteris has performed satisfactorily in developing the FEIR Report for the Northern/Canoga Extension of the Metro Orange Line.

With a staff of 205, Iteris Inc. has 18 branch offices located in twelve states. Other major projects include FHWA National ITS Architecture Project; the El Segundo Area ITS; the Detroit Area Freeway Management System Maintenance; the City of Pasadena SR710 ITS Mitigation Plan PS&E; the Minneapolis City Wide Transportation Plan and the Los Angeles Community Plan Updates (9).

B. Procurement Background

Contract PS-4370-1952 was approved by the Board in March 2007 and Iteris, Inc was authorized to proceed on April 24, 2007. The Contract is a standard Architect & Engineering (A&E) Contract. Phase 1 of the Contract was issued as a Firm Fixed Price (FFP) Contract for the Environmental Engineering Reports. The balance of the contract for preliminary engineering (Phase 2), design development (Phase 3) and engineering support services during construction (Phase 4) will be on a Cost Plus Fixed Fee (CPFF) basis. Modification No.1 was issued December 17, 2009 in the amount of \$23,904 for additional work and increased the contract value from \$5,950,342.00 to \$5,974,246.00.

A single source justification approval was obtained for Iteris, Inc. to perform final design of the grade-separation bridge and other schedule critical work to improve the project schedule.

C. Evaluation of Proposals

Staff has conducted fact finding on the work scope and has determined the proposed work scopes are technically acceptable.

D. Cost/Price Analysis Explanation of Variances

The recommended prices have been determined to be fair and reasonable based upon review of Certified Payroll documents for identified participants.

ATTACHEMENT A-2  
LIST OF SUBCONTRACTORS  
CONTRACT MODIFICATION TO PERFORM DESIGN DEVELOPMENT AND  
ENGINEERING SUPPORT SERVICES DURING CONSTRUCTION AND TO PERFORM  
FINAL DESIGN SERVICES ON THE METRO ORANGE LINE EXTENSION PROJECT

PRIME CONTRACTOR

ITERIS, INC.

Small Business Commitment

Bullocks Associates      4.0%  
Diaz Yourman Associates    4.0%

Other Subcontractors

DMJM Harris  
Gruen & Associates  
    Wagner Engineering  
    Paragon Partners

Total Commitment      8.0%