



PLANNING & PROGRAMMING COMMITTEE

January 22, 1998

Los Angeles County
Metropolitan
Transportation
Authority

**SUBJECT: ROUTE 10 HIGH OCCUPANCY VEHICLE (HOV)
LANES, SEGMENT 3**

**ACTION: AMEND EXISTING CONTRACT NO. 07H004 WITH MK
CENTENNIAL TO COMPLETE THE DESIGN OF HOV
LANES ON ROUTE 10 FROM ROUTE 57 TO THE SAN
BERNARDINO COUNTY LINE**

One Gateway Plaza
Los Angeles, CA
90012

213.922.6000

RECOMMENDATION

Authorize amendment No. 3 to Contract No. 07H004 with MK Centennial to complete design work and to provide construction support services to Caltrans for Segment 3 of the Route 10 HOV lane project (Route 57 to the San Bernardino County line). The total budget for the recommended amendment is \$2,516,800, which includes \$2,288,000 for the contract amendment and a 10% contingency of \$228,800. The cumulative amount for the design contract is \$8,591,351, which includes \$6,074,551 previously awarded plus the \$2,516,800 recommended in this report.

ISSUE

In December 1992, Caltrans contracted with MK Centennial to design Segment 3 of the Route 10 HOV lane project. The MTA assumed administration of the contract in 1993 as a result of a court ruling which prohibited Caltrans from contracting out design services. In 1995, Caltrans put the design work on hold pending negotiations with the Federal Highway Administration (FHWA) regarding the design of the project. Negotiations with FHWA are now complete and Caltrans has asked the MTA to amend the contract with MK Centennial in order to complete final Plans, Specifications, and Estimates (PS&E) by September 1999 and for construction support services starting in 2000.

OPTIONS

The Board has the option to not amend the contract. This option is not recommended because it will delay completion of the Segment 3 HOV lanes. This segment will connect with HOV lanes under construction in San Bernardino County that are scheduled to open in 1999.

FINANCIAL IMPACT

There is no impact to the budget. Design, right-of-way, and construction funds for Segment 3 of the Route 10 HOV lanes were approved in the Call for Projects and through a reallocation of funds authorized by the Board on September 25, 1997. No additional funds are needed to complete Segment 3.

BACKGROUND

Scope of Work/Contract Amendment Objective: The objective of this amendment is to complete the design of the HOV lanes by September 1999. Work to be completed under this amendment includes the following: 1) modify designs to accommodate environmental changes, such as recently completed seismic retrofit work, and to comply with new Caltrans design requirements, 2) complete Caltrans review/approval process and deliver a biddable PS&E package for construction, and 3) provide engineering support during construction. The work under item 2 consists of tasks remaining from the original scope of work. These tasks were not completed because the consultant was directed by Caltrans to use more hours for other items in the original scope of work. The work under items 1 and 3 is new scope of work required by Caltrans. **Attachment 1** provides a summary of activities under these three objectives.

Procurement Process: The consultant's initial proposal for the contract amendment was formally submitted to the Negotiation Team on September 10, 1997. A fact-finding session was conducted on October 10, 1997 among MTA, Caltrans and MK Centennial. The purpose of the fact-finding meeting was to reach common understanding of the scope of services and to discuss the assumptions and basis of the contractor's cost estimate. As a result, a list of 183 design activities were identified to complete the scope of services. On October 23, 1997 both Caltrans and the consultant submitted to MTA respective estimates of person-hours required to complete this work. A Pre-negotiation Positioning Meeting was held between MTA and Caltrans staff on October 27, 1997, within which the two sets of person-hours estimates were compared and a negotiation strategy was developed. The negotiation for Structure Engineering tasks took place and was completed on October 29, 1997. The negotiation for Roadway Engineering tasks occurred on November 4 and 5, and was completed on November 7, 1997. Through the negotiation process, the Negotiation Team negotiated the price of the amendment down from the \$2.791 million proposed by the consultant to the \$2.288 million recommended in this report.

Negotiation Team: The Negotiation Team consisted of MTA staff from the Procurement and Distribution Department and the San Gabriel Valley Area Team and Caltrans staff from the District 7 Division of Project Management, the Division of Consultant Oversight, and the Division of Structures (Sacramento). Caltrans staff provided assistance in defining the detailed scope of work and established an independent person-hours estimate for the amendment. Caltrans will provide, and be responsible for, technical oversight of the work completed under the contract amendment.

Route 10 HOV Project: The Route 10 HOV lane project consists of designing and constructing one HOV lane in each direction from Baldwin Avenue in El Monte to the San Bernardino County line. The project is 20 miles in length and will connect the existing El Monte Busway to HOV lanes under construction in San Bernardino County. The Project is divided into the following three segments: **Segment 1** (from Baldwin Avenue to Route 605), **Segment 2** (from Route 605 to Route 57), and **Segment 3** (from Route 57 to the San Bernardino County line). **Attachment 2** is the project map which identifies these three segments.

In September 1997, the Board approved a reallocation of funds from Segment 2 to Segments 1 and 3. As a result, Segments 1 and 3 are now fully funded. Segment 2 is included in the HOV System Integration Plan and will compete for funding in future Calls for Projects. At the time the reallocation of funds was approved, staff was instructed to return to the Board with the design amendments for Segments 1 and 3 after contract negotiations on each segment were completed. The negotiations for Segment 3 are complete and are reflected in the recommendation of this report. The negotiations for Segment 1 are scheduled to be completed in January 1998 with Board action expected in March 1998.

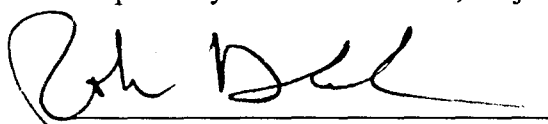
SMALL BUSINESS PARTICIPATION

In 1993, by virtue of a court ruling, the MTA assumed administration of this project which was initially awarded in 1992 by the State with goals of 15% MBE, 5% WBE, and 3% DVBE. The project was put on hold in 1995 pending FHWA direction. At that time the Prime Contractor, MK Centennial, had attained 15% MBE, 1.4% WBE, and 6% DVBE participation. For the proposed contract amendment period, MK Centennial has committed to 14.1% MBE, 5.2% WBE, and 7.9% DVBE.

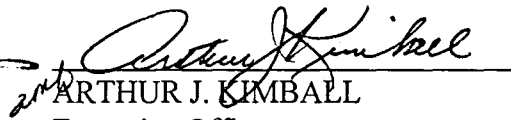
AWARD AMOUNT: \$ 2,288,000

Subcontractor	MBE	WBE	DVBE	Paid to Date Attainment	Current Status
FPL and Associates, Inc.	11.4 %			- 0 -	To be awarded
Tatsumi and Partners, Inc.	2.7 %			- 0 -	To be awarded
Associated Engineers, Inc.		5.2 %		- 0 -	To be awarded
Geotechnical Consultants			7.9 %	- 0 -	To be awarded
TOTAL	14.1 %	5.2%	7.9 %		

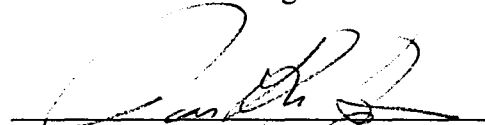
Prepared by: Chaushie Chu, Project Manager, San Gabriel Valley Area Team



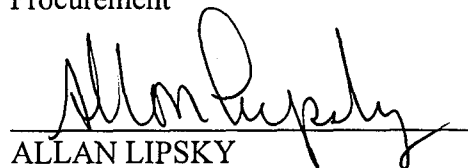
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ALLAN LIPSKY
Deputy Chief Executive Officer

Attachments:

1. Summary of Scope of Services for Contract Amendment,
2. Project Map.

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Attachment 1

Summary of Scope of Work for Contract Amendment

1. Tasks to Accommodate Environmental Changes and New Design Requirements

- Revise alignments at eastern end to match the revised HOV alignment in San Bernardino County,
- Revise structural and roadway drawings for the newly constructed seismic retrofit at 57/210 interchange and Indian Hill Boulevard,
- Conduct additional test borings and revise design of structures based on Caltrans new retrofit criteria,
- Revise designs of sound-walls and retaining walls,
- Add CHP enforcement pads to on-ramps,
- Add design for Traffic Operation Systems (TOS),
- Add specialized design foundations for overhead signs,
- Identify locations of and develop plans for mitigating environmental hazardous wastes,
- Provide additional layout design at Murchison Avenue,
- Provide additional details for drainage designs and edge drainage plans,
- Provide additional construction stages for traffic handling during construction,
- Provide supports to value engineering.

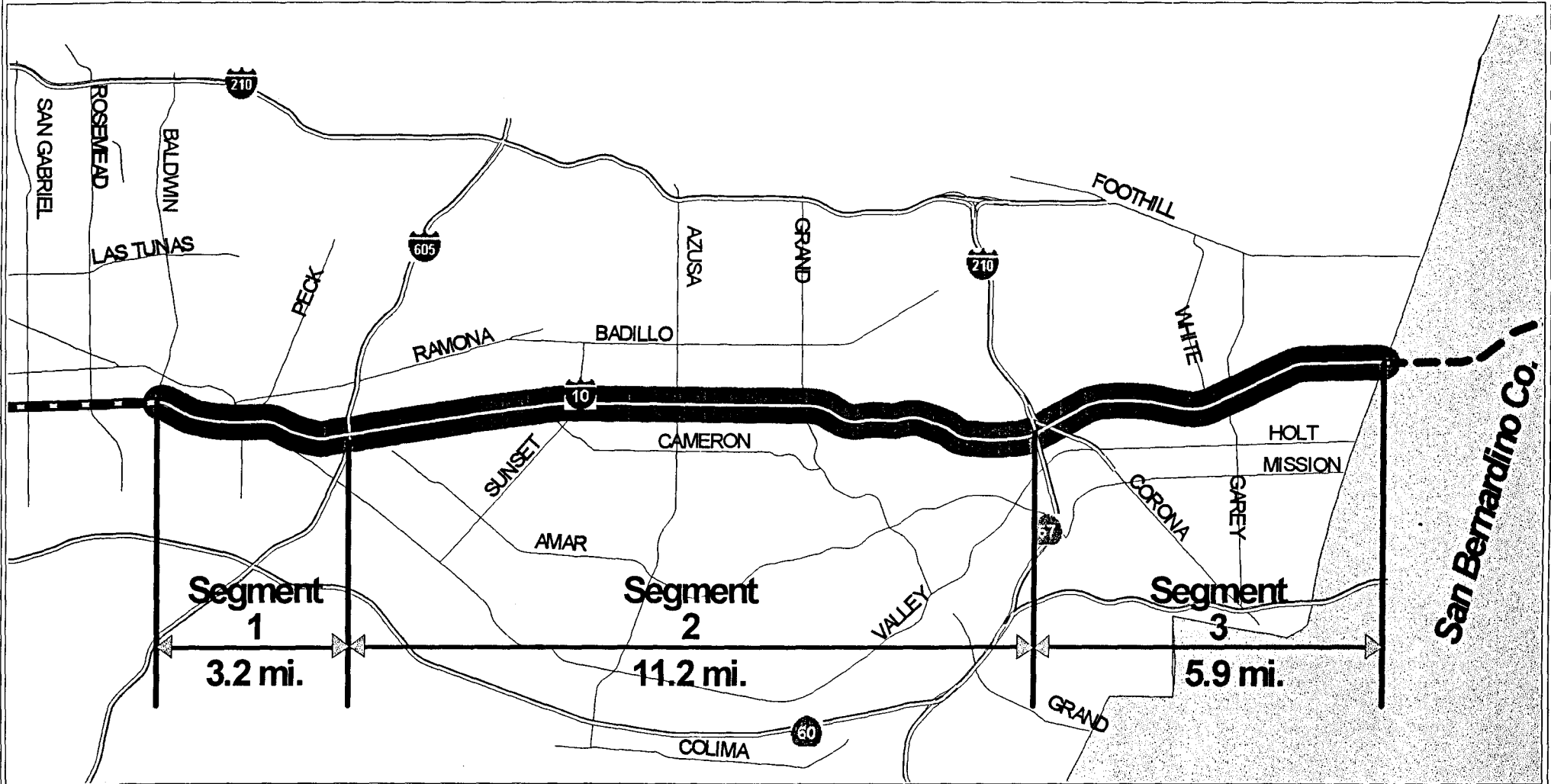
2. Tasks to Complete Caltrans Review/Approval Process

- Complete Caltrans district circulation and revision process,
- Complete Caltrans district office engineers (OE) review and revision process,
- Complete Caltrans Headquarters OE review and revision process,
- Submit final approved PS&E.

3. Tasks for Engineering Support During Construction Phase

- Issue addenda and answer questions from contractors,
- Pre-construction meetings,
- Critical path method (CPM) charting support,
- Man-hour summary support,
- Site observations,
- Provide support on contract change orders (CCO),
- Pre/Mid/Post-maintenance period walk through.

Attachment 2 Route 10 HOV Project Map



Legend

- Freeway
- Arterial Roads
- Existing HOV
- Proposed HOV
- Proposed HOV San Bernardino Co.



MTA Countywide Planning
 Data Sources
 San Gabriel Valley Area Team,
 Thomas Bros. Mapping
 March 1997

