

THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
ACTION AGENDA SUMMARY

DEPT: Public Works *MA*

BOARD AGENDA # *C-3

Urgent ☐

Routine ☒

AGENDA DATE July 19, 2011

CEO Concurs with Recommendation YES ☐ NO ☐
(Information Attached)

4/5 Vote Required YES ☐ NO ☒

SUBJECT:

Approval of Amendment No. 1 to the Professional Design Services Agreement with Rajappan & Meyer Consulting Engineers to Perform Additional Engineering and Environmental Studies for the Project Approval and Environmental Document (PA&ED) Phase for the State Highway 99 at Hammett Road Interchange Project

STAFF RECOMMENDATIONS:

1. Approve Amendment No. 1 to the Professional Design Services Agreement with Rajappan & Meyer Consulting Engineers to perform additional engineering and environmental studies for the PA&ED phase for the State Highway 99 at Hammett Road interchange project.
2. Authorize the Director of Public Works to execute the amendment.
3. Direct the Auditor-Controller to make the necessary budget adjustments per the financial transaction sheet.

FISCAL IMPACT:

The contract for the PA&ED phase of work for the Highway 99 at Hammett Road interchange project is being funded with the voluntary regional transportation contribution of \$2,045,113 received from Kaiser Permanente in 2004. These funds were provided by Kaiser Permanente to mitigate traffic impacts in the Salida area. To date this funding has been used for the Highway 99 at Kiernan interchange and the Highway 99 at Hammett interchange projects. The remaining balance after the requested transfer will be

(continued on Page 2)

BOARD ACTION AS FOLLOWS:

No. 2011-442

On motion of Supervisor Withrow, Seconded by Supervisor Chiesa

and approved by the following vote,

Ayes: Supervisors: O'Brien, Chiesa, Withrow, DeMartini, and Chairman Monteith

Noes: Supervisors: None

Excused or Absent: Supervisors: None

Abstaining: Supervisor: None

1) X Approved as recommended

2) Denied

3) Approved as amended

4) Other:

MOTION: This Item was removed from the consent calendar for discussion and consideration.

ATTEST:

Christine Ferraro
CHRISTINE FERRARO TALLMAN, Clerk

File No.

Approval of Amendment No. 1 to the Professional Design Services Agreement with Rajappan & Meyer Consulting Engineers to Perform Additional Engineering and Environmental Studies for the Project Approval and Environmental Document (PA&ED) Phase for the State Highway 99 at Hammett Road Interchange Project

\$365,386. The original contract cost of the services for the PA&ED phase of the Hammett Road interchange project was \$955,000. At this time, an additional \$97,225 is needed from this same funding source to perform additional engineering and environmental studies; bringing the total contract amount to \$1,052,225.

Costs associated to assure the engineering and environmental services for this project in the amount of \$1,052,225 (\$955,000 original contract, \$97,225 Amendment No. 1) are available from the original Kaiser Permanente voluntary regional transportation contribution.

DISCUSSION:

Stanislaus County, in cooperation with Caltrans District 10, proposes to reconstruct the Highway 99 at Hammett Road interchange in the community of Salida. Additional growth and increased traffic volumes are anticipated with future improvements to the economy. Three build alternatives and the no-build alternative have been proposed for further consideration at this interchange. The three build alternatives for the Highway 99 at Hammett Road interchange range in cost from \$47.5 to \$93 million (in today's dollars) for construction and right-of-way. The construction phase of the project is proposed for funding by the Stanislaus County Public Facilities Fees, Salida Community Plan fees and State Transportation Improvement Program funds.

The proposed interchange improvements include reconstruction of the existing interchange to provide improved operations for turning movements to and from State Route (SR) 99, as well as associated local road improvements at adjacent intersections.

The interchange is located in the north part of Stanislaus County and on the northern edge of the City of Modesto, providing access to commercial and residential properties in the community of Salida.

Stanislaus County Public Works has already completed the planning phase of this project and has produced a Project Study Report (PSR), which was funded with contributions from developers in conjunction with the Salida Community Plan.

An agreement with Rajappan & Meyer Consulting Engineers for the PA&ED phase was entered into in February 2009 and is scheduled for completion in the fall of 2011. During the course of the PA&ED process, it was deemed necessary by the Project Development Team (PDT) for an additional design alternative to be studied and analyzed in the PA&ED phase of the project. This additional analysis on the added alternative includes new geometric approval drawings, additional traffic operations analysis, revised right of way data sheets, revised environmental technical studies, and revised cost estimates. This additional work will be added to the existing PA&ED agreement, and performed under Amendment No. 1.

Approval of Amendment No. 1 to the Professional Design Services Agreement with Rajappan & Meyer Consulting Engineers to Perform Additional Engineering and Environmental Studies for the Project Approval and Environmental Document (PA&ED) Phase for the State Highway 99 at Hammett Road Interchange Project

POLICY ISSUES:

The recommended actions are consistent with the Board's priorities of providing A Safe Community and A Well Planned Infrastructure System by performing additional engineering and environmental studies and planning efforts to improve this important transportation corridor into Stanislaus County.

STAFFING IMPACT:

There is no staffing impact associated with this item.

CONTACT PERSON:

Chris Brady, Public Works Construction Manager. Telephone (209) 525-4157.

CB/la

L:\ROADS\9210 - Hwy 99 @ Hammett Interchange\PA-ED\Board Items\Hammett Agreement Amendment No. 1.pdf

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County of Stanislaus

Balance Type		Budget
Category	* List - Text	Budget - Upload
Source	* List - Text	PW SKA
Currency	* List - Text	USD
Budget Name	List - Text	LEGAL BUDGET
Batch Name	Text	
Journal Name	Text	JV100121
Journal Description	Text	Set Up Budget for Amendment 1 of the Hwy 99 @Hammett PA&ED
Journal Reference	Text	
Organization	List - Text	Stanislaus Budget Org

[illegible]

Totals:		194450	97225
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Explanation: Set up additional funds needed for the Project Approval and Environmental Document.

Requesting Department		CEO	Data Entry		Auditors Office Only		
Signature Sharon Andrews 7/6/11 Date		Signature [Signature] 7/11/11 Date		Keyed by Date		Prepared By Approved By [Signature] 7/11/11 Date	

Balance Type
Database
Set of Books

Actual
FMSDBPRD.CO.STANISLAUS.CA.US.PROD
County of Stanislaus

Category	* List - Text	Transfer
Source	* List - Text	PW SKA
Currency	* List - Text	USD
Accounting Date	* List - Date	7/6/2011
Batch Name	Text	
Journal Name	Text	JV100122
Journal Description	Text	Transfer funds for Hwy 99 @ Hammett Amendment 1
Journal Reference	Text	

[illegible]

Totals:	97,225.00	97,225.00
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Explanation: Transfer funds for additional engineering services for PA & ED.

Departments Outside Auditors' Office		Data Entry	Auditors Office Only	
Sharon Andrews	 Supervisor's Approval 7-6-11			 Approved By 7/7/11
Prepared by		Keyed by	Prepared By	
Date		Date	Date	

FIRST AMENDMENT TO PROFESSIONAL DESIGN SERVICES AGREEMENT BETWEEN
COUNTY OF STANISLAUS AND RAJAPPAN & MEYER CONSULTING ENGINEERS, INC.
State Highway 99 at Hammett Road Interchange – PA/ED Phase

This Amendment is made and entered into this 19th day of July, 2011, in the City of Modesto, State of California, by and between the County of Stanislaus ("County") and Rajappan & Meyer Consulting Engineers, Inc., ("Consultant"), for and in consideration of the promises, and the mutual promises, covenants, terms, and conditions, hereinafter contained.

WHEREAS, on January 27, 2009, the Stanislaus County Board of Supervisors approved a Professional Design Services Agreement ("Agreement") with Consultant for the State Highway 99 & Hammett Road Interchange Project – PA&ED Phase; and,

WHEREAS, there is a need for an additional design alternative to be studied and analyzed in the PA/ED Phase; and,

WHEREAS; an increase in the maximum amount of the Agreement from \$955,000 to \$1,052,225 (Original Agreement \$955,000 + First Amendment \$97,225 = \$1,052,225) is necessary to cover additional work as stated in Attachment A, dated May 23, 2011, and attached hereto and made a part of this Amendment.

NOW THEREFORE, the parties agree as follows:

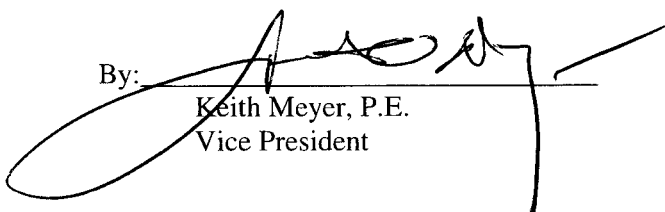
1. Section 1.1 is amended to include the additional work shown in Exhibit A to this Amendment, attached hereto and made a part of the Amendment.
2. Section 2.1 of the "Agreement" is amended to read as follow:
 - 2.1 Compensation
Consultant shall be paid in accordance with the fee schedule set forth in Exhibit "B", attached hereto and made a part of this Agreement (the Fee Schedule). Consultant's compensation shall in no case exceed \$1,052,225.

IN WITNESS WHEREOF, the parties have executed this First Amendment effective on the date written above.

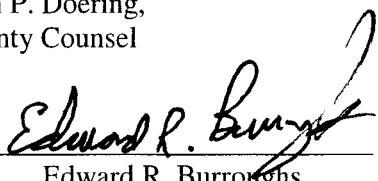
COUNTY OF STANISLAUS

RAJAPPAN & MEYER
CONSULTING ENGINEERS

By: 
Matt Machado, Director
Department of Public Works

By: 
Keith Meyer, P.E.
Vice President

APPROVED AS TO FORM
John P. Doering,
County Counsel

By: 
Edward R. Burroughs
Assistant County Counsel

BOARD OF SUPERVISORS
2011 JUL 21 P 2:16

Attachment A
Route 99 at Hammett Road Interchange
Amendment 1 Scope of Work

Components of the Hammett Road Interchange PA&ED phase requires additional study and modification to accommodate revised Traffic Forecasts and additional work requested by Caltrans on technical reports. This amendment covers work necessary to complete and gain approval of the Project Report. The following scope of work will be conducted for this amendment.

New Alternative 3 - GAD

CT requested the analysis of Alternative 3, which is an additional alternative to be considered, as the original scope of work only contained two alternatives to be studied. This alternative created at hybrid diamond configuration southbound and a loop on ramp northbound. Geometric Approval Drawings (GADs) were created for this alternative, with a new submittal after preparation of the original GADs. This alternative has been accepted and is now the preferred alternative. In addition, CT requested interim design conditions for all GAD plans to be shown.

Traffic Operations Analysis.

Traffic operations analysis reports by Fehr & Peers for each interchange configuration will be updated with additional analysis required by Caltrans at each including:

- a. Additional alternative required at Hammett Road interchange
- b. Additional Synchro run revisions to address Caltrans comments

Revised Right of Way Data Sheets.

Based on new requirements from Caltrans, a certified right of way specialist will be retained to prepare the additional right of way data sheets. In addition, additional utility research will be made to confirm utility relocation costs.

Revised Cost Estimates.

For the new alternative, R&M will prepare construction cost estimates in 2011 dollars according to the "Preliminary Project Cost Estimate Summary" sheets as described in the CALTRANS Project Development Procedures Manual. This revision will incorporate the most recent unit price data available from Caltrans.

Revised Environmental Technical Studies

LSA Associates, under subcontract to R&M, will prepare revised Environmental technical studies for the Hammett interchange that includes the new Alternative 3. Revisions to Noise, Air Quality, Farmland Impact, Biology and Floodplain impacts are required.

Air Quality Conformity Analysis and Interagency Consultation Memo. LSA will prepare the "Conformity Analysis Documentation for Project-Level Conformity Determinations in Metropolitan Nonattainment/Maintenance Areas" required for NEPA delegation. This document is utilized by Caltrans to process the conformity documentation. LSA will also prepare a memorandum for Interagency Consultation, which will determine whether the project is a Project of Air Quality Concern (POAQC). These tasks were not included in the original scope of services/contract.

Attachment A
Route 99 at Hammett Road Interchange
Amendment 1 Scope of Work

NEPA Delegation Requirements. LSA prepared technical work plans for Caltrans review outlining the elements included in the technical studies, the procedures for obtaining data, the methodologies for analyzing impacts and the modeling software requirements to ensure consistency with Caltrans protocols. LSA will be required to adhere to the Caltrans Quality Control/Quality Assurance (QA/QC) program to illustrate compliance with Caltrans templates and formatting requirements. Upon completion, Caltrans will require the environmental document and technical studies to undergo additional QA/QC review at Caltrans through a variety of specialists. A detailed Environmental Document Preparation and Review Tool checklist will be completed together with the External Certification form. All documents, memorandum and project data will be maintained consistent with Caltrans record keeping, including preparation of the Project File. These items are required as a result of the NEPA delegation responsibilities from FHWA to Caltrans occurring after the original scope of work/contract was executed, and therefore, were not included in the original scope of work.

Revised Storm Water Data Report.

R&M will revise the Storm Water Data Report for the Hammett Interchange in compliance with latest version of Caltrans' "Storm Water Quality Handbooks," revised since September 2007. In addition, the new alternative 3 is added to the scope of SWDR.

New Visual Assessment.

A new Visual Assessment photosimulation will be prepared for the new Alternative 3 for public display and Environmental documentation.

EXHIBIT B

Rajappan & Meyer Consulting Engineers, Inc.

6/23/2011

PROJECT EFFORT AND BUDGET BY TASK

HAMMETT ROAD/ROUTE 99 INTERCHANGE - PA&ED Amendment 1

Person	Task 1		Task 2				Task 3		Task 4	Task 5	TOTAL
	Project Management	Supplement Mapping	Traffic	SWDR PDR	Other	Geometric Plans + APS	Env. Studies	IS/MND EA FONSHI	Prepare PR	Public Outreach	
Principal Manager	20	0	8	0	0	8	0	0	0	0	36
QA/QC Manager	0	0	0	0	0	0	0	0	0	0	0
Senior Civil Engineer	20	0	10	40	0	40	0	0	0	0	110
Civil Engineer	0	0	0	0	0	40	0	0	0	0	40
Project Engineer	0	0	0	40	0	0	0	0	0	0	40
Assist. Engineer	0	0	0	40	0	40	0	0	0	0	80
Admin	0	0	0	0	0	0	0	0	0	0	0
Total R&M Hours	40	0	18	120	0	128	0	0	0	0	306
Subconsultant Hours	0	0	77	0	38	0	212	0	0	0	327
TOTAL HOURS	40	0	95	120	38	128	212	0	0	0	633

Estimated R&M Labor Cost	Hourly Rate	Task 1		Task 2				Task 3		Task 4	Task 5	TOTAL
		Project Management	Supplement Mapping	Traffic	SWDR PDR	Other	Geometric Plans + APS	Env. Studies	IS/MND EA FONSHI	Prepare PR	Public Outreach	
Principal Manager	\$275	\$5,500	\$0	\$2,200	\$0	\$0	\$2,200	\$0	\$0	\$0	\$9,900	
QA/QC Manager	\$240	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Senior Civil Engineer	\$160	\$3,200	\$0	\$1,600	\$6,400	\$0	\$6,400	\$0	\$0	\$0	\$17,600	
Civil Engineer	\$155	\$0	\$0	\$0	\$0	\$0	\$6,200	\$0	\$0	\$0	\$6,200	
Project Engineer	\$125	\$0	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000	
Assist. Engineer	\$110	\$0	\$0	\$0	\$4,400	\$0	\$4,400	\$0	\$0	\$0	\$8,800	
Admin	\$81	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
SUBTOTAL LABOR		\$8,700	\$0	\$3,800	\$15,800	\$0	\$19,200	\$0	\$0	\$0	\$47,500	

Subconsultants											
Survey/ROW - NOLTE		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Environmental - LSA		\$0	\$0	\$0	\$0	\$0	\$0	\$27,500	\$0	\$0	\$27,500
Traffic E&P		\$0	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
Geotechnical Kleinfelder		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Utilities AEC		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Landscaping - Gamboni		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Right of way - AR/WS		\$0	\$0	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$5,000
Public Outreach - JBC		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
VA - Martin Hsu		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Subconsultants		\$0	\$0	\$10,000	\$0	\$5,000	\$0	\$27,500	\$0	\$0	\$42,500
Subconsultant Fee	5%	\$0	\$0	\$500	\$0	\$250	\$0	\$1,375	\$0	\$0	\$2,125

Other Direct Costs											
Travel		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Printing/Copying		\$0	\$0	\$0	\$0	\$0	\$500	\$0	\$0	\$0	\$500
Mail/FAX		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Permits/fees		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CADD Computer		\$0	\$0	\$0	\$800	\$0	\$800	\$0	\$0	\$0	\$1,600
Other Costs		\$0	\$0	\$0	\$0	\$0	\$0	\$3,000	\$0	\$0	\$3,000
SUBTOTAL ODC's		\$0	\$0	\$0	\$800	\$0	\$1,300	\$3,000	\$0	\$0	\$5,100

TOTAL		\$8,700	\$0	\$14,300	\$16,600	\$5,250	\$20,500	\$31,875	\$0	\$0	\$97,225
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