

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

DEPT: Public Works

BOARD AGENDA # *C-2

Urgent Routine

AGENDA DATE March 25, 2014

CEO Concurs with Recommendation YES NO
(Information Attached)

4/5 Vote Required YES NO

SUBJECT:

Approval of Amendment No. 1 to the Agreement with Dokken Engineering for additional Engineering Design Services for the Geer Road Over Tuolumne River Bridge Project

STAFF RECOMMENDATIONS:

1. Approve Amendment No. 1 to the Agreement with Dokken Engineering for additional engineering design services, in the amount not to exceed \$29,386.
2. Authorize the Director of Public Works to execute the amendment with Dokken Engineering in the amount of \$29,386, and to sign necessary documents.

FISCAL IMPACT:

The updated total cost of the project is \$1,871,000, which includes \$271,000 for engineering design and environmental services, \$1,280,000 for construction, \$192,000 for construction engineering, and \$128,000 for construction contingency. The Geer Road over Tuolumne River Bridge Project will be funded 88.53% by Highway Bridge Program (HBP) funds and an 11.47% local match. The local match is available in Public Works' road fund. At this time, \$29,386 is needed for the additional engineering design services and environmental services. Funding is available in the current year's Road Projects budget. The Board (CONTINUED ON PAGE 2)

BOARD ACTION AS FOLLOWS:

No. 2014-135

On motion of Supervisor Monteith _____, Seconded by Supervisor O'Brien _____

and approved by the following vote,

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

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:

ATTEST: Christine Ferraro
CHRISTINE FERRARO TALLMAN, Clerk

File No.

Approval of Amendment No. 1 to the Agreement with Dokken Engineering for additional Engineering Design Services for the Geer Road Over Tuolumne River Bridge Project

FISCAL IMPACT (continued):

approved an agreement with Dokken Engineering on November 9, 2010 in the amount of \$143,567. This amendment brings the total agreement to \$172,953.

DISCUSSION:

The Geer Road Bridge over Tuolumne River Bridge Project is a seismic retrofit project to improve the bridge to meet current seismic design standards. The work consists of installing hinge restrainers at two locations on the existing Geer Road Bridge over the Tuolumne River, construction of two cast-in-steel-shell concrete piles at bridge piers 3 and 9, and improvements to both abutments.

On August 15, 2000, the California Department of Transportation (Caltrans) executed an Authorization to Proceed (E-76) for the project's Preliminary Engineering (PE) phase thereby obligating \$75,000 of Federal funds.

Dokken Engineering was originally under contract with Caltrans for the design of the Project. The contract between Dokken Engineering and Caltrans was terminated on February 28, 2001, at which time all outstanding work became the responsibility of the County. Dokken Engineering, under contract with Caltrans, had the plans and specifications for the project complete at the time that the contract was terminated.

The project was delayed several times between 2001 and 2006 due to budget constraints, staffing changes, and changes in department priorities. On July 21, 2006, the federal funds were de-obligated.

On July 20, 2010, Caltrans executed an E-76 for the Project PE phase thereby obligating \$96,000. On June 1, 2011, Caltrans obligated an additional \$135,000 for a total of \$231,000. Public Works is currently requesting from Caltrans additional PE phase funds totaling \$40,000.

Dokken Engineering has provided a Contract Amendment with revised scope, fee, and schedule to update the plans and specifications to meet current design seismic standards and to assist the County to complete the construction documents to bid the project for construction in May 2014. Upon Board approval, the Department of Public Works will execute the contract amendment with Dokken Engineering, for a contract total not to exceed \$172,953.

This project is exempt from the California Environmental Quality Act (CEQA) under Class 2, Section 15302 (Replace/Reconstruct) of the California Code of Regulations. Stanislaus County will be the lead agency issuing a California Environmental Quality Act Categorical Exemption determination for the project.

Approval of Amendment No. 1 to the Agreement with Dokken Engineering for additional Engineering Design Services for the Geer Road Over Tuolumne River Bridge Project

The construction phase of the project is scheduled to start in May 2014, and to be completed by December 2014.

POLICY ISSUES:

This action supports the Board's priorities of providing A Safe Community, A Healthy Community, and A Well-Planned Infrastructure System by advancing design work for the future replacement of the Geer Road Bridge.

STAFFING IMPACT:

There is no staffing impact associated with this item.

CONTACT PERSON:

Matt Machado, Public Works Director. Telephone: (209) 525-4130.

CTV/sn
L:\BRIDGES\9408 GEER RD BRIDGE @ TUOLUMNE RIVER\Design\Board Items\DESIGN PROCESS\3-25-14 BOS Item_9408-Geer Rd over Tuolumne Amndmt 1_for CVasquez

AMENDMENT NO. 1
Professional Design Services Agreement between
County of Stanislaus and Dokken Engineering

Geer Road over Tuolumne River Bridge Project
Contract No. 9408

This Amendment is made and entered into this 25th day of March, 2014, in the City of Modesto, State of California, by and between the County of Stanislaus ("County") and Dokken Engineering, ("Consultant"), for and in consideration of the promises, and the mutual promises, covenants, terms, and conditions, hereinafter contained.

WHEREAS, on November 9, 2010, the Stanislaus County Board of Supervisors awarded a Professional Design Services Agreement ("Agreement") to Consultant, in the amount of \$143,567, for the Geer Road over Tuolumne River Bridge Project;

WHEREAS, there is a need for additional services, in the amount of \$29,386, as shown in Exhibit "A" dated March 5, 2014; and,

WHEREAS, an increase in the maximum amount of the Agreement is necessary to cover additional work as stated in Exhibit "A", attached hereto and made a part of this Amendment.

\$143,567	Original Agreement
<u>+\$29,386</u>	<i>Amendment No. 1</i>
\$172,953	Revised

NOW THEREFORE, the parties agree as follows:


Section 1.1 Scope of Services is amended to include additional services as shown in Exhibit "A" attached hereto and made a part of this Amendment.

Section 2.1 Compensation is amended to include additional fees of \$29,386 as shown in Exhibit "A" attached hereto and made a part of this Amendment. Consultant's compensation shall in no case exceed One Hundred Seventy-Two Nine Hundred Fifty-Three Dollars (\$172,953).

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

COUNTY OF STANISLAUS

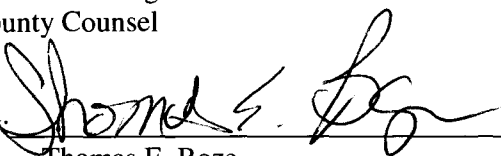
DOKKEN ENGINEERING

By: 
Matt Machado, Director
Department of Public Works

By:  CEO
Richard A. Dokken
CEO

APPROVED AS TO FORM

John P. Doering
County Counsel

By: 
Thomas E. Boze
Deputy County Counsel



March 11, 2014

EXHIBIT A

Mr. Charles Vasquez
Project Coordinator
Stanislaus County Department of Works
Engineering and Operations Division
1717 Morgan Road, Modesto, CA 95358

**RE: Geer Road Bridge Seismic Safety Project
Request for Contract Amendment for Revised Scope, Schedule and Fees**

Dear Mr. Vasquez:

As we discussed by phone on February 26, 2014, provided herein is our request for a contract amendment to modify the scope, schedule and fee for work performed by Dokken Engineering for the Geer Road over Tuolumne River Bridge Seismic Retrofit Project. This amendment request is to revise and augments the Stanislaus County Professional Design Services Agreement between the County and Dokken Engineering (BOS Resolution #2010-695 dated 11-09-2010) as described below. Thank you for your consideration in reviewing this request to amend the contract with the County.

A description of the added scope and costs is described and quantified herein.

1. Additional Right of Way Work Performed:

Right of way negotiations and acquisition was not included in this original contract since the County had planned to perform this work themselves or contract it out separately. In March 2013 the County project manager, Aja Verburg, asked if Dokken Engineering would be interested in adding the right of way negotiations and acquisition to our existing contract. We informed Aja that we are interested in doing this work. We estimated that this added work could be done for about \$3000 for the one temporary easement that is needed. At the time of this request, Dokken Engineering's remaining budget appeared to be adequate for adding this extra work without amending our contract fee. We were given the okay by Aja to proceed with this added work with the understanding that we will keep track of the cost of this added work, and if additional budget is needed, Dokken Engineering will submit a contract amendment to cover the cost increase.

Through consultation with our right of way specialist, Rebecca Neilon, PE, and real estate agent, Chip Willet, both with Dokken Engineering, we found that right of way certification for the temporary easement can be achieved using a streamlined "Waiver Valuation" to obtain Caltrans approval in lieu of a more expensive property appraisal.

Due to unanticipated difficulties negotiating the right of way easement, including development of additional provisions and details in the project PS&E such as placement of gravel and special watering of the access route through the property, the cost of this added work is about \$5,505.

A summary of the hours used associated with the additional work is as follows:

	Hours Used
Additional Work for Right of Way Negotiations	
• Waiver Valuation	12



▪ Property Owner and County Meetings, Correspondence and Negotiations	22
▪ Right of Way Agreement and Special Provisions	4
▪ Right of Way Certifications	3
Approx Total Hours Used for Additional Right of Way Work	41 Hours

2. Modify Plans, Specifications and Estimate for Conformance with Caltrans 2006 Standard Plans and Standard Specifications to Caltrans 2010 Standard Plans and Standard Specifications, and NEPA Re-validation due to Revised PS&E:

We have completed and submitted to Caltrans a set of 95% Plans on December 20, 2013, for review. The plans and specifications were based on Caltrans May 2006 version of their Standard Plans and Standard Specification as is considered currently acceptable per Caltrans Local Assistance Procedures Manual. On February 26, 2014 we were notified that the State wants the plans and specifications to be based on the Caltrans 2010 version of Standard Plans and Standard Specifications. The environmental documents make reference to sections of the 2006 Standard Specifications and, as a result, the need for re-validation of the NEPA approval is anticipated. The following is a list of tasks needed to make this change:

- 1) Update all references to Standard Plans on the contract plans.
- 2) Replace 2006 Standards based project special provisions with 2010 Standards based project special provisions. Note that both the administrative contract language and technical provisions of the 2010 standards are significantly different from the 2006 Standards, including different formats, numbering systems and different item measurement and payment. Caltrans has a local agency project boilerplate to go with the 2006 standards, but not for the 2010 standards.
- 3) Update contract bid item list with item names that are consistent with the 2010 Standard Plans and Specification.
- 4) Resubmit PS&E to County for review and resubmit plans to Caltrans.
- 5) Re-validation of NEPA approval due to change in construction Standard Specification.

3. Revised Schedule:

The original Contract Agreement (County BOS Resolution #2010-695 signed and dated November 9, 2010), Section 3.0, "Time of Performance", Subsection 3.1, "Commencement and Completion of Work", refers to the Project Schedule in Exhibit "D" attached to the contract. The Project Schedule contained in Exhibit "D" has Final PS&E occurring in September 2011 and construction occurring between June and December 2012. We request this schedule be adjusted as shown in the attached "Revised Milestone Schedule – Through Construction" with project completion in December 2014.

In general, some of the primary reasons for the project delay include additional field surveys of channel needed to revalidate the hydraulic study, greater than expected review times of environmental technical reports by regulating agencies and additional time for acquiring the temporary construction easement needed for the construction access route.

4. Revised Fees:

The contract as approved by County BOS Resolution #2010-695 has a not to exceed fee of \$143,567. We are requesting a fee increase of \$29,386 to complete the contract as detailed below.



DOKKEN ENGINEERING

Transportation Solutions from Concept to Construction

SUMMARY OF ADDED COSTS

The added work and increased fees described above will result in a net increase in cost as shown below. See attached "Revised Cost Proposal" and "Revised Breakdown of Hours and Costs per Task".

Summary of work hours by Dokken Engineering staff (see attached Breakdown of Hours Remaining):

Dokken Engineering (DE) hours needed to complete the project =	<u>1494 hours</u>
Original DE Hours Budgeted =	1268 hours
DE Hours Used =	<u>1247 hours</u>
DE Hours remaining in the budget	21 hours
 Additional DE hours needed to complete work =	 226 hours

Summary of Remaining Costs:

	Original Budget	Remaining Budget	Remaining Cost	Requested Budget Augmentation
Dokken Engineering	\$143,567.08	\$2,353.15	\$31,739.12	\$29,385.97
Sub Consultants	\$0	\$0	\$0	\$0
TOTAL	\$143,567.08	\$2,353.15	\$31,739.12	\$29,385.97

Based on these estimates, we are asking for a budget augmentation of our contract in the amount of **\$29,386** to cover additional work scope. The revised total contract fee would now be \$172,953.

Note that this scope and fee revision is based on the assumption that the project will be constructed this summer and fall.

If you have any questions, please call.

Sincerely,

DOKKEN ENGINEERING

Martin G. Maechler, P.E.
Project Manager

1883/MM/mm
cc: C. Sadeghi

**Revised Cost Proposal for Professional Engineering Services
for
Geer Road Bridge Seismic Retrofit - Environmental & PS&E Update
County of Stanislaus**

CONTRACT No.
CONSULTANT: Dokken Engineering

**CONSULTANT COST PROPOSAL
DATE:** March 5, 2014

DIRECT LABOR

<u>Name</u>	<u>Role</u>	<u>Revised Hours</u>	<u>Rate</u>	<u>Total</u>
Martin Maechler, PE	Project Engineer & Structures	195	\$60.00	\$11,700.00
Andrew Fernandez, PE	Roadway Engineer	48	\$42.00	\$2,016.00
Namat Hosseinion	Senior Environmental Planner	154	\$54.50	\$8,393.00
Cherry Zamora	Associate Environmental Planner	172	\$30.00	\$5,160.00
Sarah Jenkins	Assistant Environmental Planner	518	\$26.50	\$13,727.00
Robert Lawrence, GE	Geotechnical Design	38	\$58.00	\$2,204.00
Mason Hancock, PE	Associate Bridge Engineer	58	\$42.00	\$2,436.00
Terry Fletcher, PLS	Land Surveyor	30	\$48.00	\$1,440.00
Khanh Dang	CADD Detailing & Estimating	130	\$46.00	\$5,980.00
Tim Chamberlain	Associate Environmental Planner	24	\$28.00	\$672.00
Assistant Engineer	Assistant Roadway Engineer	10	\$25.00	\$250.00
Rosa Griggs, PE	Associate Bridge Engineer	60	\$55.00	\$3,300.00
Steven Johnson, SE	Associate Bridge Engineer	16	\$52.00	\$832.00
Rebecca Neilon, PE	Right of Way Specialist	30	\$47.00	\$1,410.00
Chip Willet	Real Estate Agent	11	\$48.00	\$528.00
		1,494		

TOTAL - Direct Labor **\$60,048.00**

FRINGE AND INDIRECT COSTS

	<u>Rate</u>	<u>Total</u>
• Fringe Benefits	21.00%	\$12,610.08
• Overhead	8.00%	\$4,803.84
• General and Administrative	123.00%	\$73,859.04
Total Fringe + Indirect Costs	152.00%	\$91,272.96

TOTAL - Indirect Labor **\$91,272.96**

OTHER COSTS (ACTUAL COSTS)

	<u>Total</u>
• Permits	\$6,500.00
• Appraisals	\$0.00
• TCE Negotiations	\$0.00
• Potholing	\$0.00

TOTAL - Other Costs **\$6,500.00**

FEE (10.00%)

TOTAL - Fee **\$15,132.10**

SUBCONTRACTOR COSTS

Total
\$0.00

Total Subconsultant Costs **\$0.00**

TOTAL COST - NOT TO EXCEED **\$172,953.06**



Revised Breakdown of Hours and Costs per Task
 Geer Road Bridge Seismic Retrofit Project
 County of Stanislaus
 March 5, 2014

Task Description	DOKKEN ENGINEERING													TOTAL HOURS	OTHER DIRECT COST	TOTAL COST	GRAND TOTAL (HOURS)	OTHER DIRECT COSTS	GRAND TOTAL COSTS		
	MARTIN WETZLER, PE Project Manager & Engineer	ANDREW FRIEDMAN, PE Mechanical Engineer	NAMA F. HOSEIN, PE Senior Environmental Planner	Aracelis Environmental Planner	Environmental Planner	RODOLFO MORALES, PE Geotechnical Design	MARION HANCOCK, PE Associate Bridge Engineer	TERESA F. REICHER, PE Civil Designer	CAITIE DRAHOS, PE Associate Environmental Planner	Assistant Planners Engineer	RODOLFO MORALES, PE Associate Bridge Engineer	STEVE JOHNSON, PE Associate Bridge Engineer	REBECCA HELM, PE Right of Way Specialist							WALTER CLAPP, PE Right of Way Specialist	
TASK 1 - PROJECT MANAGEMENT	166.32	1116.42	1151.07	393.16	173.46	1168.79	1116.42	1133.96	1127.51	177.42	149.26	1152.46	1144.14	1132.28	1133.96	68		\$10,516.97	68		\$10,516.97
1.1 Progress Monitoring			57													68		\$10,516.97	68		\$10,516.97
1.2 Schedule	2		8													10		\$1,541.23	10		\$1,541.23
1.3 Meetings	16		44													58		\$9,975.74	58		\$9,975.74
TASK 2 - NEPA DOCUMENTATION			9	10	40											64		\$5,477.47	64		\$5,477.47
2.1 Preliminary Environmental Study (PES)			4	8	24											36		\$3,832.57	36		\$3,832.57
2.2 NEPA Categorical Exclusion (CE)			4	8	16											28		\$2,444.90	28		\$2,444.90
TASK 3 - TECHNICAL STUDIES			48	60	292											400		\$31,690.89	400		\$31,690.89
3.1 Noise Technical Memorandum			6		24											30		\$2,889.44	30		\$2,889.44
3.2 Hazardous Waste Initial Site Assessment (ISA)			6	12	54											78		\$6,311.84	78		\$6,311.84
3.3 Water Quality Assessment			6	16	80											82		\$6,844.48	82		\$6,844.48
3.4 Location Hydraulic Study/Floodplain Eval. Report			6		46											46		\$3,844.76	46		\$3,844.76
3.5 Section 4(f) Consultation			6		24											30		\$2,889.44	30		\$2,889.44
3.6 Visual Impact Technical Memorandum			6	16	80											82		\$6,844.48	82		\$6,844.48
3.7 Quality Assurance/Quality Control			12	16	24											52		\$4,906.44	52		\$4,906.44
TASK 4 - PERMITTING			40	76	184											108	\$6,500	\$37,379.38	108	\$6,500	\$37,379.38
4.1 CWRWCB, Section 481			8	12	32											52	\$1,000	\$6,957.17	52	\$1,000	\$6,957.17
4.2 BWRWCB, Section 482			4	8	16											28	\$1,000	\$3,444.90	28	\$1,000	\$3,444.90
4.3 ACDE, Section 464			8	12	32											52		\$4,557.17	52		\$4,557.17
4.4 CDFD, Section 1682, Streambed Alteration			8	12	32											52	\$4,000	\$8,557.17	52	\$4,000	\$8,557.17
4.5 General Valley Flood Protection Board Permit			8	12	32											52		\$4,557.17	52		\$4,557.17
4.6 Vegetation Plan			4	20	40											64		\$5,295.82	64		\$5,295.82
TASK 5 - RIGHT OF WAY		4						30								34		\$4,457.38	34		\$4,457.38
5.1 Map Plans and Legal Descriptions		4						30								34		\$4,457.38	34		\$4,457.38
TASK 6 - DESIGN	100	38	4		16	58		80								376		\$45,677.02	376		\$45,677.02
6.1 15% Structure Design & Plans Update	40				20			40								100		\$14,968.80	100		\$14,968.80
6.2 Roadway Plans	4	32	8		4											42		\$5,495.40	42		\$5,495.40
6.3 Design Check, Quantities and Engineer's Estimate	14					56		16								80		\$10,189.87	80		\$10,189.87
6.4 90% Draft PS&E	14	4			4	4		12								40		\$5,754.67	40		\$5,754.67
6.5 95% Revised PS&E	10	2			6	2		16								30		\$4,368.07	30		\$4,368.07
6.6 Final PS&E	10	2			6	2		12								30		\$3,858.04	30		\$3,858.04
6.7 RFA for Construction and PS&E Certification	8															8		\$1,330.56	8		\$1,330.56
TASK 7 - BIDDING / AWARD ASSISTANCE	10	2														12		\$1,896.05	12		\$1,896.05
TASK 8 - CONSTRUCTION SUPPORT	36	4						70								64		\$9,471.92	64		\$9,471.92
8.1 Respond to RFIs	20	4			2	2		4								32		\$4,776.61	32		\$4,776.61
8.2 Review Shop Drawings	12															12		\$1,895.84	12		\$1,895.84
8.3 As-Built Plans	4															4		\$604.47	4		\$604.47
ORIGINAL TOTAL HOURS	163	48	152	152	516	38	58	30	110							1,288		\$143,567.06	1,288		\$143,567.06
ORIGINAL TOTAL COST	\$26,844	\$5,580	\$22,863	\$12,640	\$38,051	\$6,109	\$6,753	\$3,892	\$14,826							\$6,580		\$143,567.06	\$6,580		\$143,567.06
TASK 1A - PROJECT MANAGEMENT	24															9		\$5,023.95	9		\$5,023.95
TASK 2A - NEPA REVALIDATION	1			28						24						47		\$3,994.45	47		\$3,994.45
2.3 NEPA Revalidation of CE	1		2	28						24						47		\$3,994.45	47		\$3,994.45
TASK 5A - RIGHT OF WAY	4							4						22	11	41		\$5,505.19	41		\$5,505.19
5.2 Valuation, Negotiations and Certification	4							4						22	11	41		\$5,505.19	41		\$5,505.19
TASK 6A - DESIGN	4							16		10	60	16				106		\$14,852.38	106		\$14,852.38
6.5A Revise 95% PS&E for 2010 Standards	4							16		10	60	16				106		\$14,852.38	106		\$14,852.38
ADDENDUM ADDITIONAL HOURS	33		2	28				20	24	10	60	16	30	11		228		\$29,385.97	228		\$29,385.97
ADDENDUM ADDITIONAL COST	\$5,488		\$302	\$1,663				\$2,550	\$1,863	\$693	\$9,148	\$2,395	\$3,909	\$1,464		\$29,385.97		\$29,385.97			\$29,385.97
REVISED TOTAL COST	\$32,432	\$5,580	\$23,265	\$14,304	\$38,051	\$6,109	\$6,753	\$3,892	\$16,577	\$1,863	\$693	\$9,148	\$2,395	\$3,909	\$1,464	1,484	\$6,580	\$172,853.06	1,484	\$6,580	\$172,853.06

County of Stanislaus
MILESTONE SCHEDULE - THROUGH CONSTRUCTION

March 11, 2013

MILESTONE	COMPLETE
DESIGN - Notice to proceed from County	Done
ENV - Revise and Submit APE Map & PES	Done
ENV - Reinitiate Section 7 Consultation (12w)	Done
ENV - CEQA Compliance (16w)	Done
DESIGN - 60% Draft Roadway Plan, Foundation Review and Updated Structure Plans (4w)	Done
COUNTY - Review 60% (Roadway, Access)	Done
DE ROW - Prepare Plat Maps and Legal Descriptions	Done
ENV - Validate NEPA Compliance	Done
ENV - Permit Submittals	Done
DE DESIGN - 90% Draft PS&E to County (6w)	Done
DE ROW - Prepare Waiver Valuations (4w)	Done
DE DESIGN - 95% PS&E to County after County Review (6w)	Done
CALTRANS - Review & Approve Waiver Valuation (2w)	Done
COUNTY - BOARD Approves Offer Concurrent with Caltrans Review	N/A
DE & COUNTY- Make Offer for TCE after Caltrans Approves W.V.(2w)	Done
ENV - Obtain Permits	Done
ROW - TCE Negotiations (12w)	Done
DE - Certify ROW to Caltrans	Done
DESIGN - Final PS&E (5w)	End March
COUNTY - Submit RFA for construction to Caltrans	April 4, 2014
COUNTY - Receive Authorization to Construct (4w)	April 25, 2014
COUNTY - Advertise Construction (6w)	April 28, 2014
COUNTY - Open Bids	May 20, 2014
COUNTY - Award (4w)	June 10, 2014
CONST - Start Construction	June 2014
CONST - Complete Construction	November 2014
CONST - Project Closeout	December 2014