

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

DEPT: Public Works AB

BOARD AGENDA # \*C-1

Urgent  Routine

AGENDA DATE May 18, 2010

CEO Concurs with Recommendation YES  NO   
(Information Attached)

4/5 Vote Required YES  NO

SUBJECT:

Approval of Amendment No. 4 to Agreement No. 2004-1 with BkF Engineers, for Additional Engineering Service for the Geer Road at Santa Fe Avenue Intersection Improvement Project

STAFF RECOMMENDATIONS:

1. Approve Amendment No. 4 to Agreement No. 2004-1 with BkF Engineers for additional engineering service for the improvements at the Geer Road at Santa Fe Avenue and Hatch Road at Santa Fe Avenue Intersection Improvement Projects.
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 estimated total cost for both projects is \$4,504,000. The costs include the following:

Continued on Page 2

BOARD ACTION AS FOLLOWS:

No. 2010-301

On motion of Supervisor Chiesa, Seconded by Supervisor Monteith  
and approved by the following vote,

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

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 TALLMAN, Clerk

File No.

Approval of Amendment No. 4 to Agreement No. 2004-1 with BkF Engineers, for Additional Engineering Service for the Geer Road at Santa Fe Avenue Intersection Improvement Project

<u>DESCRIPTION</u>	<u>ESTIMATED COMPLETION DATE</u>	<u>ESTIMATED COSTS</u>
Right-of-Way Acquisitions		
Geer Road at Santa Fe Avenue	Winter 2010	\$144,000
Hatch Road at Santa Fe Avenue	Winter 2010	\$150,000
Design Engineering		
Geer Road at Santa Fe Avenue	Summer 2010	\$390,000
Hatch Road at Santa Fe Avenue	Summer 2010	\$320,000
Construction		
Geer Road at Santa Fe Avenue	Fall 2011	\$1,400,000
Hatch Road at Santa Fe Avenue	Fall 2012	\$2,100,000
	Total:	\$4,504,000

Geer Road at Santa Fe Avenue Intersection Improvement Project will be funded 100% by Regional Transportation Impact Fee (RTIF) funds. At this time, \$96,782 is needed for additional engineering services to complete the Geer Road at Santa Fe Avenue Intersection Improvement Project. Amendment No. 4 brings the total amount of Agreement 2004-1 with BkF Engineering to \$607,132 for completion of both projects under this contract.

**DISCUSSION:**

In January 2004, the Board of Supervisors approved the Public Works Road Congestion Relief Program. Two of the projects approved under this program were the improvements of the Geer Road at Santa Fe Avenue intersection and the Hatch Road at Santa Fe Avenue intersection. The proposed improvements consist of traffic signals, installation of left turn lanes, upgrade to the railroad signals and crossings, pavement widening, traffic striping, and expansion of the existing bridge on Santa Fe Avenue near Hatch Road.

In May 2004, the Board of Supervisors awarded a contract to BkF Engineers for engineering services for the Geer Road at Santa Fe Avenue and Hatch Road at Santa Fe Avenue Intersection Improvement Projects.

In June 2006, the Board of Supervisors approved Amendment No. 1 with BkF Engineers for additional engineering services for the design of the bridge on Santa Fe Avenue at Hatch Road and preparation of environmental clearance documents.

In July 2007, the Board of Supervisors approved Amendment No. 2 with BkF Engineers for additional engineering services for the improvements at Geer Road at Santa Fe

Approval of Amendment No. 4 to Agreement No. 2004-1 with BkF Engineers, for Additional Engineering Service for the Geer Road at Santa Fe Avenue Intersection Improvement Project

Avenue and Hatch Road at Santa Fe Avenue. These additional engineering services included the preparation of individual specifications and plans for each intersection and plans and specifications for the bridge on Santa Fe Avenue.

On August 28, 2007, the Board of Supervisors adopted the Mitigated Negative Declaration for the Stanislaus County intersection improvements at Geer Road at Santa Fe Avenue and Hatch Road at Santa Fe Avenue. Also approved were the purchase agreements to acquire road right-of-way associated with the project. On June 27, 2008, the Department of Public Works certified that all necessary right-of-way for the bridge improvements on Santa Fe Avenue near Hatch Road had been obtained.

On July 22, 2008, the Board of Supervisors approved and adopted the plans and specifications for the Stanislaus County Intersection Improvements – Phase 2: Santa Fe Avenue Bridge Widening and Retrofit Project and directed the Clerk to publish the notice inviting bids.

On October 21, 2008, the Board of Supervisors awarded the contract to Agee Construction Corporation of Clovis, California for the Stanislaus County Intersection Improvements – Phase 2: Santa Fe Avenue Bridge Widening and Retrofit Project. On February 11, 2009, the construction of the bridge was completed and a notice of completion was recorded.

On April 14, 2009, the Board of Supervisors approved Amendment No. 3 with BkF Engineers to add additional engineering services for the Hatch Road at Santa Fe Avenue improvement project. The work included redesign of the bridge and construction support services.

In order to proceed with the Geer Road at Santa Fe Avenue Intersection Improvement project, Stanislaus County will need to acquire right-of-way from the parcel at the northwest corner of Geer Road and Santa Fe Avenue. After discussions with the property owner and discussions within Public Works, it was determined it would be mutually beneficial to both parties to acquire the ultimate right-of-way along the Northwest parcel and move the traffic to the outside lanes along Geer Road and Santa Fe Avenue frontages of the property. This change requires re-design of the northwest corner of the intersection, including transitions from the existing to the proposed roadway. On March 29, 2010, BkF Engineers submitted a proposal to perform this work in the amount of \$96,782. Public Works staff has reviewed the proposal and concur with their scope of work, costs, and schedule. Construction is tentatively scheduled to begin in the summer of 2011.

Approval of Amendment No. 4 to Agreement No. 2004-1 with BkF Engineers, for Additional Engineering Service for the Geer Road at Santa Fe Avenue Intersection Improvement Project

**POLICY ISSUES:**

The Board should consider if the recommended actions are consistent with its priorities of providing a safe community, a healthy community and a well-planned infrastructure system.

**STAFFING IMPACT:**

There is no staffing impact associated with this item.

**CONTACT PERSON:**

Matt Machado, Public Works Director. Telephone: (209) 525-6550.

PS:jg

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**AUDITOR-CONTROLLER  
BUDGET JOURNAL**



Balance Type	Budget
Category	Budget - Upload
Source	
Currency	USD
Budget Name	LEGAL BUDGET
Batch Name	
Journal Name	
Journal description	Tranfser budget to the Geer at Santa Fe Ave Intersection Improvement Project
Period	JUL-09 to JUN-10
Organization	Stanislaus Budget Org
	BO#

Line	Coding Structure						Debit		Credit		Description
	Fund 4	Org 7	Account 5	G/L Proj 7	Loc 6	Misc 6	incr appropriations decr est revenue	decr appropriations incr est revenue			
1	1102	40310	63280	9704	0	0.0	96,782.00				
2	1102	40310	63280	0	0	0.0		96,782.00			
3	1102	40310	46615	0	0	0.0	96,782.00				
4	1102	40310	46615	9704	0	0.0		96,782.00			
5						0					
6						0					
7						0					
8						0					
9						0					
10						0					
11						0					
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13						0					
14						0					
15						0					
16						0					
17						0					
18						0					
19						0					
20						0					
21						0					
22						0					
23						0					
24						0					
25						0					
<b>Totals</b>							<b>193,564.00</b>	<b>193,564.00</b>			

Tranfser budget to the Geer at Santa Fe Ave Intersection Improvement Project

<b>Requesting Department</b>		<b>CEO</b>		<b>Auditors Office Only</b>	
Sharon Andrews					
Signature		Signature		Admin Approval (\$75K+)	
5/7/10		5/11/10		5-10-10	
Date		Date		Date	

Contact Person & Phone Number
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**AUDITOR-CONTROLLER  
STANDARD JOURNAL VOUCHER**



**BATCH SCREEN**

Batch   
 Period   
 Description

**JOURNAL SCREEN**

Journal   
 Category   
 Balance Type  A = Actual or E = Encumbrance  
 Description   
 Control Total

Line	Coding Structure						Debit	Credit	Description	
	Fund 4	Org 7	Account 5	G/L Proj 7	Loc 6	Misc 6				
1	6400	64100	85850	0	0	0.0	96,782.00		Transfer Out	
2	1102	40310	46615	9704	0	0.0		96,782.00	Transfer In	
3						0.0				
4						0.0				
5						0.0				
6						0.0				
7						0.0				
8						0.0				
9						0.0				
10						0.0				
11						0.0				
12						0.0				
13						0.0				
14						0.0				
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20						0.0				
21						0.0				
22						0.0				
23						0.0				
24						0.0				
25						0.0				
26						0.0				
27						0.0				
<b>Totals</b>								96,782.00	96,782.00	

Explanation: Trnasfer funds from RTIF to Project Account Geer Road @ Santa Fe Intersection

Departments Outside Auditors' Office		Auditors Office Only	
SHARON ANDREWS			
Prepared by 5/10/10	Supervisor's Approval 5/10/10	Prepared By	Admin Approval (\$75K+)
Date	Date	Date	Date 5-10-10

**FOURTH AMENDMENT TO AGREEMENT NO. 2004-1 BETWEEN  
COUNTY OF STANISLAUS AND BKF ENGINEERS**

Project: Geer Road at Santa Fe Avenue Intersection Improvements

This Amendment is made and entered into this 18th day of May, 2010, in the City of Modesto, State of California, by and between the County of Stanislaus ("COUNTY") and BKF Engineers, ("CONSULTANT"), for and in consideration of the promises, and the mutual promises, covenants, terms, and conditions, hereinafter contained.

1. Project Agreement No. 2004-1, approved by the Stanislaus County Board of Supervisors on May 18, 2004, is amended to revise the Scope of Work per the attached proposal dated March 29, 2010.
2. Compensation  
The parties hereto acknowledge the maximum amount to be paid by the County for services provided shall not exceed Six Hundred Seven Thousand One Hundred Thirty-Two Dollars (\$607,132).

Original Agreement	\$325,000.00
Amendment #1	72,300.00
Amendment #2	51,050.00
Amendment #3	62,000.00
Amendment #4	<u>96,782.00</u>
Total	\$607,132.00

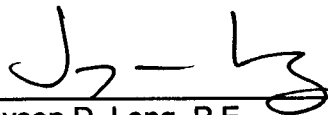
3. All other terms and conditions of said Agreement shall remain in full force and effect.

In witness whereof, the parties have executed this Amendment effective on the date written above.

**COUNTY OF STANISLAUS**

**BKF ENGINEERS**

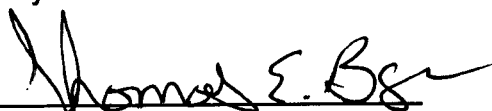
By: \_\_\_\_\_  
Matt Machado, Director  
Department of Public Works

  
\_\_\_\_\_  
Jaysen D. Long, P.E.  
Associate/Vice President

Approved: BOS Resolution # \_\_\_\_\_  
Dated: \_\_\_\_\_

**APPROVED AS TO FORM**

John P. Doering,  
County Counsel

By:   
\_\_\_\_\_  
Thomas E. Boze  
Deputy County Counsel



March 29, 2010

Stanislaus County Department of Public Works  
1716 Morgan Road  
Modesto, CA 95358  
ATTN: Mr. Peter Song

Subject: Proposal for Additional Engineering Services  
Road Congestion Relief Projects – Stanislaus County, California

Dear Mr. Song:

BKF has been requested to provide additional services outside our original scope of work. During a meeting on October 27, 2009, the County described revisions to the road layouts of Geer Road and Santa Fe Avenue. As a result of entitlement negotiations between the County and the developer of the Ruddy property, it was decided that Geer Road should be widened to a right-of-way width of 135 feet and that Santa Fe Avenue should be widened to a right-of-way width of 85 feet along the Ruddy property frontages to accommodate the ultimate roadway cross sections. The County intends to widen the two roads along the Ruddy property frontages and construct curb, gutter, and drainage improvements. The County provided a concept plan on March 1, 2010, which illustrates the County's intent for improvements and lane configurations. BKF has been requested to revise the current intersection improvement plans, specifications, and estimate (PS&E) to incorporate these new improvements.

Tasks associated with the requested revisions will include *Project Management / Meetings, Data Collection, Preliminary Design, and Final Design*. We anticipate 3 meetings with the County to review the project elements and documents at the milestone submittals. *Data Collection* will include up to 4 days of additional field survey to gather existing conditions topographic data for areas outside the previous project limits. *Data Collection* will also include two percolation test borings and associated report in support of the design of the new drainage systems. *Preliminary Design* will include submittal of 60% plans and estimate to the County for review and comment. *Final Design* will include submittals of 100% and Final (PS&E) to the County for plan check and approval/bid purposes. We estimate approximately 4 months to complete this process, as illustrated in the enclosed Draft Design Schedule.

BKF has estimated hours and associated fees to complete the described services. Please refer to the attached Cost Proposal.

As discussed, the County has expressed an interest in including a striped crosswalk across Geer Road just north of the intersection. BKF recommends that the County reconsider this request. First, none of the frontages are being completed with sidewalks so the crosswalk would not connect to pedestrian routes of travel. Second, adding a crosswalk to this intersection could result in numerous changes to the entire project, such as signal timing and phasing changes, level of service impacts, turn lane stacking distance changes, lengthening of lane transitions, additional right-of-way acquisition, and re-processing the project through the CPUC and BNSF railroad. If the County is interested in pursuing a crosswalk at this time, we recommend that a Feasibility Study be conducted to determine the potential impacts. Based on the numerous potential impacts, a rough order of magnitude cost to provide the Feasibility Study is \$30,000. This includes 180





hours of time between myself (20 hours), Alex Heuer (80 hours), and Jeff Wang (80 hours), our Traffic Manager and Chief Geometrician. This cost would also include additional traffic counts at this intersection and other reimbursable expenses. The attached Cost Proposal does not include the design of the crosswalk or the effort for the Feasibility Study.

We appreciate your consideration of this proposal. Please review the details and call or e-mail me with any questions.

Sincerely,

BKF ENGINEERS

A handwritten signature in black ink, appearing to read "Jaysen D. Long".

Jaysen D. Long, P.E.  
Associate/Vice President

Attachments  
Enclosures

cc: Jeff Wang

**COST PROPOSAL**

March 29, 2010

PROJECT: TRAFFIC CONGESTION RELIEF - GEER & SANTE FE: AMENDMENT 04, RUDDY FRONTAGE IMPROV  
 NAME OF FIRM: BKF ENGINEERS  
 ROLE IN THE PROJECT: Prime Consultant/Civil Engineering

assigned staff:	Long	Heuer	Heiken	Wang	Benedict	Staff Technician	Colosi	1-person Survey Crew	
classification:	Project Manager	Project Engineer	Survey Manager	Traffic Engineer	Design Engineer	Staff Technician	Clerical	1-person Survey Crew	
hourly rate:	-	167.00	158.00	158.00	158.00	119.00	104.00	57.00	131.00

**TASK HOURS ASSIGNED TO STAFF:**

TASKS	Long	Heuer	Heiken	Wang	Benedict	Staff Technician	Colosi	1-person Survey Crew	TASK HOURS	TASK COSTS	
1 PROJECT MANAGEMENT / MEETINGS		40	40						80	\$13,000.00	
2 DATA COLLECTION			8	4				40	32	\$10,248.00	
3 PRELIMINARY DESIGN		8	112		12	184	24	1	341	\$45,377.00	
4 FINAL DESIGN		4	24		4	72		1	105	\$13,717.00	
<b>TOTALS</b>	<b>0</b>	<b>52</b>	<b>184</b>	<b>4</b>	<b>16</b>	<b>256</b>	<b>64</b>	<b>2</b>	<b>32</b>	<b>610</b>	<b>\$82,342.00</b>

**OTHER DIRECT COSTS:**

Item:	Description	cost
1 Reimbursable Expenses	Prints, reproduction, mylars, mileage.	\$3,000.00
2 Percolation Testing	(2) percolation test borings (50' max depth), traffic control, encroachment permit, final report.	\$11,440.00
		<b>\$14,440.00</b>

**SUBCONSULTANTS SUMMARY (See attached individual worksheets for detail):**

	HOURS	COSTS
1		
	0	\$0.00
		<b>SUBTTOTAL - PRIME CONSULTANT \$96,782.00</b>
		<b>SUBTOTAL - SUBCONSULTANTS \$0.00</b>
		<b>TOTAL COST PROPOSAL \$96,782.00</b>

STANISLAUS COUNTY - TRAFFIC CONGESTION RELIEF  
 GEER & SANTA FE  
 RUDDY FRONTAGE REVISIONS  
 DRAFT DESIGN SCHEDULE

ID	Task Name	Duration	Start	Finish	4 '1	Apr 18 '1	May 2 '1	May 16 '1	May 30 '1	Jun 13 '1	Jun 27 '1	Jul 11 '1	Jul 25 '1	Aug 8 '1	Aug					
					S	W	S	T	M	F	T	S	W	S	T	M	F	T	S	W
0	<b>Geer-Santa Fe</b>	<b>86 days</b>	<b>Mon 4/19/10</b>	<b>Mon 8/16/10</b>																
1	Notice to Proceed/Kickoff Meeting	1 day	Mon 4/19/10	Mon 4/19/10																
2	Survey	2 wks	Tue 4/20/10	Mon 5/3/10																
3	Percolation Tests	5 wks	Tue 4/20/10	Mon 5/24/10																
4	Design	5 wks	Tue 5/4/10	Mon 6/7/10																
5	60% P&E Submittal	1 day	Tue 6/8/10	Tue 6/8/10																
6	County Review	3 wks	Wed 6/9/10	Tue 6/29/10																
7	County Meeting	1 day	Wed 6/30/10	Wed 6/30/10																
8	BKF Response to Comments	2 wks	Thu 7/1/10	Wed 7/14/10																
9	100% PS&E	1 day	Thu 7/15/10	Thu 7/15/10																
10	County Review	3 wks	Fri 7/16/10	Thu 8/5/10																
11	County Meeting	1 day	Fri 8/6/10	Fri 8/6/10																
12	BKF Response to Comments	1 wk	Mon 8/9/10	Fri 8/13/10																
13	Bid Docs	1 day	Mon 8/16/10	Mon 8/16/10																