

FORM APPROVED COUNTY COUNSEL
 BY: M.A. Keenan 6/27/13
 MARSHAL VICTOR DATE

**SUBMITTAL TO THE BOARD OF SUPERVISORS
 COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

224
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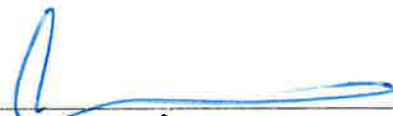
FROM: TLMA - Transportation Department

SUBMITTAL DATE:
 June 6, 2013

SUBJECT: Amendment No.4 to the Engineering Services Agreement for the Van Buren Bridge replacement.

RECOMMENDED MOTION: That the Board of Supervisors:

1. Ratify the Amendment No.4 to the Engineering Services Agreement between the County of Riverside and Dokken Engineering, and;
2. Authorize the Chairman of the Board to execute the same.


 Juan C. Perez
 Director of Transportation and Land Management

FINANCIAL DATA	Current F.Y. Total Cost:	\$25,253	In Current Year Budget:	Yes
	Current F.Y. Net County Cost:	\$ 0	Budget Adjustment:	No
	Annual Net County Cost:	\$ 0	For Fiscal Year:	2013/2014
SOURCE OF FUNDS: Federal HBP (Seismic Safety Retrofit) (85.46%), Prop. 1B (Local Bridge seismic Retrofit Account) (7.33%), Measure A/Western (7.21%).				Positions To Be Deleted Per A-30 <input type="checkbox"/>
				Requires 4/5 Vote <input type="checkbox"/>

C.E.O. RECOMMENDATION:

APPROVE
 BY: 
 Tina Grande

County Executive Office Signature

Dept's Recomm.: Policy Consent
 Per Exec. Ofc.: Policy Consent

Prev. Agn. Ref. Jan. 31, 2012, 3.21 | District: 2/2 | Agenda Number:
 May 18, 2010, 3.69, Sept. 2, 2008,

3.155

ATTACHMENTS FILED
 WITH THE CLERK OF THE BOARD

3-58

The Honorable Board of Supervisors

RE: Amendment No.4 to the Engineering Services Agreement for the Van Buren Bridge replacement.

June 6, 2013

Page 2 of 2

BACKGROUND: On April 10, 2001, the Board of Supervisors executed an agreement with Dokken Engineering to provide environmental and design engineering services to replace the existing parallel bridges over Santa Ana River. The new bridges are designed to meet the state of the art design criteria for seismic safety. The bridges are wide enough to accommodate three lanes in each direction in the future as well as a barrier protected sidewalk for pedestrians and eight-foot standard shoulders, which can accommodate bikes. The project reached substantial completion on September 13, 2012 with both bridges completed and open to traffic.

Various changes to the original agreement with Dokken Engineering were necessary to address scope changes due to the continuously evolving regulatory process for an approved environmental document, to perform a Value Engineering Analysis, and to add the design surveys, right of way engineering, and pot holing into the Consultant's scope of work to augment the limited in-house staff availability at the time. Additionally, modifications to the construction staging, drainage, utility, landscaping, and construction area access plans were required due to the coordination needs of multiple City of Riverside and County improvement projects under construction at the intersections of Jurupa Avenue and Clay Street. The attached scope and budget modifications became necessary to address two primary issues:

- The construction schedule was extended due to difficulties in construction of large diameter Cast-in-Drilled Hole (CIDH) piles. Dokken Engineering is providing full-time on-site geotechnical monitoring for the construction of the large diameter CIDH piles. Due to the highly variant depth of bed rock and the presence of large boulders at the bridge site, the contractor continued to have difficulties and delays in construction of the CIDH piles. The construction of the CIDH piles took longer than estimated requiring an adjustment to the scope and budget for the construction phase.
- After the December 2010 floods, the Santa Ana River changed course from the west bank to the east bank of the flood plain requiring modifications to the planting details of the re-vegetation plans. Based on the observations of the flood impacts to the existing site and the changes caused by the construction operations in the riverbed, changes to the re-vegetation plans to provide greater flexibility to the contractor in irrigation methods and to minimize risks of material and equipment loss due to floods became necessary. Detailed descriptions of the extra work and the budget adjustments are provided in Attachment "1" to this Amendment.

The consultant's negotiated cost proposal to address these scope changes is \$25,253. The detailed scope and negotiated fee proposal are provided in the Attachment A to the Amendment No.4.

Recommended Contract Budget

Original Contract Amount:	\$1,181,503.39
Amendment 1:	\$ 434,330.04
Amendment 2:	\$ 166,410.00
Amendment 3:	\$ 133,400.00
Recommended Amendment 4:	<u>\$ 25,253.25</u>
Total Contract Amount:	\$1,940,896.68

AMENDMENT 4

AMENDMENT TO AGREEMENT BETWEEN

THE COUNTY OF RIVERSIDE AND DOKKEN ENGINEERING

FOR ENGINEERING SERVICES ON VAN BUREN BRIDGE REPLACEMENT PROJECT

THIS AMENDMENT (hereinafter the "Amendment") to an agreement is made and entered into as of this _____ day of _____, 2013, by and between the County of Riverside, a political subdivision of the State of California (hereinafter the "COUNTY"), and DOKKEN ENGINEERING (hereinafter "ENGINEER").

RECITALS

- A. COUNTY and ENGINEER have entered in an agreement entitled "Engineering Services Agreement for Van Buren Bridge Replacement between County of Riverside • Transportation Department and Dokken Engineering" that is dated April 10, 2001 (hereinafter the "Agreement"). The Agreement provides the terms and conditions, scope of work, schedule and budget for the performance of professional and technical services necessary to prepare an environmental document, plans, specifications and estimates to replace the existing bridges on Van Buren Boulevard at Santa Ana River. The COUNTY and the ENGINEER amended the original agreement on September 2, 2008, Amendment 1, on May 18, 2010, Amendment 2, and on January 31, 2012, Amendment 3, to modify the scope of work and to increase the budget for Phases I, II, and IV.
- B. The parties desire to amend the Agreement as amended last on January 31, 2012 to modify the scope of services to be provided by the ENGINEER, to increase the contract budget, and to extend the contract expiration date.

AGREEMENT

NOW, THEREFORE, in consideration of the mutual covenants hereinafter contained, the parties agree as follows effective April 30, 2013:

1. Article VI COMPENSATION, subparagraph B of the Agreement as amended last on January 31, 2012 is modified to reflect that the current contract budget of \$1,915,643.43 shall be increased by \$25,253.25 to \$1,940,896.68. The increase will be used to augment the Phase IV budget of \$261,113.86 by the amount of \$25,253.25 to \$286,361.11 for the Construction Support. The scope and budget modifications became necessary to address two primary issues:

- The construction schedule was extended due to difficulties in construction of large diameter Cast-in-

1 Drilled Hole (CIDH) piles. ENGINEER is providing full-time on-site geotechnical monitoring for the
2 construction of the large diameter CIDH piles. Due to highly variant depth to bed rock and the
3 presence of large boulders at the bridge site, contractor continued to have difficulties and delays in
4 construction of the CIDH piles. The construction of the CIDH piles took longer than estimated
5 requiring an adjustment to the scope and budget for Phase IV.

- 6 • After the December 2010 floods, active channel of the Santa Ana River changed course from west
7 bank to the east bank of the flood plain requiring modifications to the planting details of the re-
8 vegetation plans. Also, based on the observations of the flood impacts on existing environment and
9 the construction operations in riverbed, it has been decided to remove the irrigation details from the
10 re-vegetation plans in order to provide greater flexibility to the contractor in irrigation methods and
11 minimize risks of material and equipment loss due to floods. Detailed descriptions of the extra work
12 and the budget adjustments are provided in Attachment "1" of this Amendment consisting of fourteen
13 (14) pages, attached hereto and incorporated by this reference.

14 2. Appendix A is modified to include the additional scope of work as outlined in Attachment "1".

15 3. The existing Engineering Services Agreement as amended last on January 31, 2012 expires on April 30,
16 2013. Appendix B introductory paragraph is modified to reflect that the Agreement term shall be extended by
17 one year. All covenants set forth in the Agreement and as modified in this Amendment shall be completed by
18 April 30, 2014.

19 4. Appendix C is modified as set forth in the summaries of the requested and the recommended budget
20 adjustments as provided in Attachment "1" to this Amendment.

21 5. Except to the extent specifically modified or amended hereunder, all of the terms, covenants and conditions of
22 the Agreement as amended last on January 31, 2012 shall remain in full force and effect between the parties
23 hereto.

24 IN WITNESS HEREOF, the parties hereto have caused this Amendment to the Agreement to be duly executed
25 this day and year first written above.

ARTICLE VIII • APPROVALS

COUNTY Approvals

RECOMMENDED FOR APPROVAL:

[Signature] Dated: 6/10/13

JUAN C. PEREZ

Director of Transportation and Land Management

APPROVED AS TO FORM:

PAMELA J. WALLS, COUNTY COUNSEL

[Signature] Dated: 6/27/13

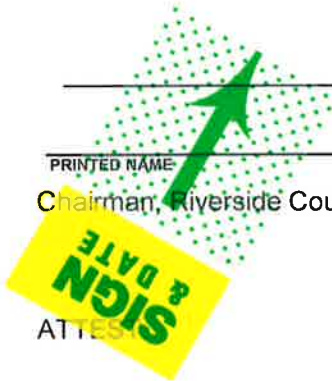
By Deputy

APPROVAL BY THE BOARD OF SUPERVISORS

_____ Dated: _____

PRINTED NAME

Chairman, Riverside County Board of Supervisors



ATTES

_____ Dated: _____

KECIA HARPER-IHEM

Clerk of the Board

ENGINEER Approvals

ENGINEER:

[Signature] Dated: 5/7/13

Richard T. Liptak

PRINTED NAME

President

TITLE

ENGINEER:

[Signature] Dated: 5/7/13

Cathy Chan

PRINTED NAME

Secretary

TITLE

Amendment 4
Amendment to Agreement Between
County of Riverside and Dokken Engineering
for
Engineering Services on Van Buren Bridge Replacement Project

ATTACHMENT 1

(15 pages including the cover)



October 17, 2012

Mr. Tayfun Saglam, P.E.
Project Manager
Riverside County Transportation Department
14th Street Transportation Annex
3525 14th Street
Riverside, CA 92501

**RE: Van Buren Bridge Replacement
Request for Contract Amendment No. 4**

Dear Mr. Saglam:

Dokken Engineering has prepared the following contract amendment request to address out of scope work that was required of Dokken Engineering and our subconsultants: Group Delta Consultants and Tatsumi and Partners on the above referenced project.

Tatsumi and Partners have been asked to revise the re-vegetation plan set and \$2,500 is needed to cover this additional work. See attachment A for a copy of their original cost proposal and final invoice.

To provide additional construction support for the last 6 months of the project, Dokken Engineering is requesting \$7,030.69.

Below you will find an overview of expenditures related to the geotechnical scope of work to explain the need for additional funds for Group Delta Consultants.

Group Delta Consultant's original contract with Dokken Engineering for the Van Buren project totaled \$87,200. The funds were added to our contract and authorized by Riverside County via Amendment 3 Part 1 (\$39,200 for Group Delta work) and Amendment 3 Part 2 (\$48,000 for Group Delta work).

Dokken Engineering has processed \$81,520.72 in invoices from Group Delta. All have been forwarded to the County for payment. Of those Group Delta invoices forwarded to the County, Dokken has received payment for \$39,993.72 and has paid Group Delta that amount. \$41,527.00 in Group Delta invoices remain outstanding and will be paid once payment is received from the County.

The table on the following page summarizes Group Delta's invoices and payments on Van Buren.



DOKKEN ENGINEERING

Transportation Solutions from Concept to Construction

<i>Dokken Invoice Date</i>	<i>Dokken Invoice #</i>	<i>Pay #</i>	<i>Dokken Invoice Total</i>	<i>Group Delta Amount Invoiced</i>	<i>Payment Received from County?</i>	<i>Amount paid to Group Delta</i>	<i>Amount Still Owed to Group Delta</i>
8/5/2011	24916	111	19,032.92	15,950.57	Yes	15,950.57	
9/12/2011	25024	112	6,830.03	4,339.40	Yes	4,339.40	
10/12/2011	25110	113	21,179.35	19,703.75	Yes	19,703.75	
11/7/2011	25177	114	1,116.39	0.00	No		
12/9/2011	25278	115	23,561.76	21,405.00	No		21,405.00
1/4/2012	25332	116	22,077.54	20,122.00	No		20,122.00
2/23/2012	25477	117	804.87		No		
3/2/2012	25483	118	1,915.30		No		
4/3/2012	25573	119	536.58		No		
5/9/2012	25715	120	536.58		No		
6/7/2012	25797	121	3,128.57		No		
7/2/2012	25839	122	529.13		No		
8/6/2012	25951	123	1,207.31		No		
9/18/2012	26081	124	1,515.84		No		
10/03/2012	26104	125	740.78		No		
Group Delta Totals:				\$81,520.72		\$39,993.72	\$41,527.00

Group Delta submitted an additional invoice that totaled \$21,254.22 for additional work on the project on January 13, 2012. For a copy of this invoice and cover letter explaining the budget overage, see attachment B. Since the invoice went beyond their contract amount, it has not yet been included on an invoice to the County. Group Delta's original contract budget was based on a construction schedule that anticipated 48 days for full-time pile inspection. Since more days of inspection were required, an amendment is now necessary to cover the additional \$15,722.56 in expenditures.

TOTAL REQUESTED SUPPLEMENT: \$25,253.25

See attachment C for a detailed breakdown of this amendment request (based on the County's standard template). Please call me if you have any questions.

Sincerely,

DOKKEN ENGINEERING

Juann Ramos, P.E.
Project Manager
1215-52/jr

ATTACHMENT A



TATSUMI
-
AND
-
PARTNERS, INC.

August 30, 2012

Juan Ramos
Dokken Engineering
2365 Iron Point Road, #200
Folsom, CA 95630

RE: Revise Re-vegetation Bid Set
Project No.: 2000136.02.02

LANDSCAPE ARCHITECTURE
-
PLANNING
-
URBAN DESIGN

Dear Juan,

Based on our meeting with the County I have developed the following scope and fee to revise the Re-vegetation plan set as requested by the County of Riverside.

SCOPE OF WORK

49 Discovery, Suite 120
Irvine, California
92618-3150

- Revise the planting & irrigation plans per the meeting with the county.
- Revise/reformat the estimate.
- Revise the specifications.

FEES

The fixed fee for the above-listed scope of work is Two Thousand Six Hundred & Twenty Six Dollars and No Cents (\$2,626.00). This fee does not include ODC's.

Telephone:
(949) 453-9901

Facsimile:
(949) 453-9902

E-Mail:
email@tatsumiandpartners.com

Please feel free to contact me regarding any adjustments to the proposed scope of work.

Respectfully,
Tatsumi and Partners, Inc.
A California Corporation

David H. Tatsumi, ASLA
Calif. No. 2033



Michael Aceves
Associate/Senior Project Manager



PROJECT INVOICE

TATSUMI
-
AND
-
PARTNERS, INC.

Dokken Engineering
2365 Iron Point Road, #200
Folsom, CA 95630
Attention: Juann Ramos

Date: October 3, 2012
T&P Invoice No.: 2000136.02.02A
T&P Project No: 2000136.02.02

Project Name: Van Buren Bridge Replacement (Revegetation Bid Set) Landscape Architectural Services.
Invoice Period: September 1, 2012 through September 30, 2012

LANDSCAPE ARCHITECTURE
-
PLANNING
-
URBAN DESIGN

Current Invoice:

	Contract Amount:	Current Amount Billed:	Total Billed to Date:
Labor:	\$92,896.00	\$2,500.00	\$92,293.07
Reimbursables:	As-needed	\$0.00	\$602.93
Total:	\$92,896.00	\$2,500.00	\$92,896.00

PLEASE PAY THIS TOTAL UPON RECEIPT: \$2,500.00

49 Discovery, Suite 120

Irvine, California

92618

Please make checks payable to:

**Tatsumi and Partners, Inc.
5 Corporate Park, Suite 200
Irvine, CA 92606
(949) 250-9890**

BILLING SUMMARY:

Telephone:
(949) 453-9901

Facsimile:
(949) 453-9902

E-Mail:
email@tatsumiandpartners.com

Original Contract Amount:	\$58,772.00
Amendment #1; dated 05/22/08:	\$8,076.00
Amendment #2; dated 11/21/08:	\$11,176.00
Amendment #3; prop. dated 9/2/10	\$12,372.00
Amendment #4; email NTP dated 8/30/12	\$2,500.00
Total Contract Amount:	\$92,896.00
Amount Previously Billed:	\$90,396.00
Amount Billed This Invoice:	\$2,500.00
Contract Balance:	\$0.00

Thank you.

David H. Tatsumi, ASLA
Calif. No. 2033

**TATSUMI AND PARTNERS, INC.
VAN BUREN BRIDGE REPLACEMENT
PROGRESS REPORT
Period: SEPTEMBER 2012**

ACCOMPLISHMENTS THIS PERIOD:

- Attended a meeting with the County of Riverside & Dokken Engineering
- Reviewed planting & irrigation plan changes for bid package per county direction.
- Revised the planting plans.
- Revised the irrigation plans.
- Revised and reformatted the estimate.
- Revised the specifications.

ACCOMPLISHMENTS FOR NEXT PERIOD:

- Submit the final specification edits.

PENDING ISSUES/RECOMMENDATIONS FOR RESOLUTION:

- None.

SCHEDULE:

- Final revised specifications to be submitted by 10/12/12.

Progress This Period: 99 %Progress To-Date: 99 %

Prepared by: Michael Aceves, Project Manager

Date: October 1, 2012

ATTACHMENT B

RECEIVED
JAN 18 2012

GROUP



DELTA
CONSULTANTS

Certified MBE

Professional Engineering

192000

Professional Engineering

Professional Engineering

Material Testing & Inspection

Project Services

January 13, 2012

Mr. Juann Ramos
Project Manager
Dokken Engineering
2365 Iron Point Road, Suite 200
Folsom, CA 95630

**RE: Geotechnical Design Support During Construction
Change Order for Additional Work
Van Buren Full Time Pile Inspection
DE Project No. 1877
GDC Project No. S102**

Mr. Ramos:

As notified in the November Progress Report, the construction schedule for the full time pile inspection went beyond the initially anticipated 48-days. As stated in our executed contract dated June 24, 2011, actual time spent providing full-time observation, construction support, and completed rock socket inspection will be billed out on a time and materials basis. The actual incurred billing for the completed services is \$102,922.56 due to the longer than estimated pile construction.

We thank you for allowing Group Delta Consultants, Inc. to provide these inspection and construction services for the Van Buren Bridge Replacement Project. Please call us at (916) 284-4098 if you wish to discuss our observations or recommendations in more detail.

Respectfully submitted,
GROUP DELTA CONSULTANTS, INC.



Robert Lawrence, GE
Associate
Sacramento Area Manager

cc: T. Saglam, RCTD Engineering Project Manager

attachments

GROUP DELTA CONSULTANTS, INC.
VAN BUREN BRIDGE REPLACEMENT
PROGRESS REPORT
Period: DECEMBER 2011

ACCOMPLISHMENTS THIS PERIOD:

- Observed and certified the pile and rock socket construction of Pier 2E.
- Responded to Differing Site Conditions claims and provided detailed backup to support validity of claim.
- Provided full-time pile construction observation and documentation.

ACCOMPLISHMENTS FOR NEXT PERIOD:

- None.
-
-
-

PENDING ISSUES/RECOMMENDATIONS FOR RESOLUTION:

- As stated in the November Progress Report, the construction duration exceeded what was provided in our Scope and Fee and therefore an Addendum for the extra work performed is required.
-
-

SCHEDULE:

-
-
-

Progress This Period: 25 %

Progress To-Date: 118 %


Prepared by: Robert Lawrence

Date: January 13, 2012

Invoice



Juann Ramos
2365 Iron Point Road, Suite 200
Folsom, CA 95630

January 12, 2012
Invoice No: 11502

Project Manager Robert Lawrence
Project S102 Van Buren Bridge

Professional Services through December 30, 2011

Professional Services

	Hours	Rate	Amount
Associate Engineer			
Lawrence, Robert	3.00	160.00	480.00
Senior Engineer			
Scheyhing, Ernest	11.00	145.00	1,595.00
Staff Engineer			
Frigillana, Raymund	157.50	115.00	18,112.50
Totals	171.50		20,187.50
Total Labor			20,187.50

Reimbursable Expenses

Vehicle Mileage			1,066.72
Total Reimbursables			1,066.72

Total Project Invoice Amount \$21,254.22

	Current	Prior	Total
Billing Summary	21,254.22	81,668.34	102,922.56

Outstanding Invoices

Number	Date	Balance
10472	8/5/2011	15,950.57
10711	9/10/2011	4,339.40
10908	10/10/2011	19,703.75
11253	11/10/2011	21,486.95
11405	12/10/2011	20,187.67
Total		81,668.34

We appreciate the opportunity to provide our services. Please contact us if you have any questions.

Remit Payment to: Group Delta Consultants, Inc. 32 Mauchly Suite B Irvine, CA 92618

Project

S102

Van Buren Bridge

Invoice

11502

Authorized By:



Robert Lawrence

Billing Backup

Thursday, January 12, 2012

Group Delta Consultants, Inc.

Invoice 11502 Dated 1/12/2012

12:12:29 PM

Project	S102	Van Buren Bridge
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Professional Services

			Hours	Rate	Amount
Associate Engineer					
LR2	Lawrence, Robert	11/29/2011	3.00	160.00	480.00
Senior Engineer					
SE	Scheyhing, Ernest	11/30/2011	6.00	145.00	870.00
SE	Scheyhing, Ernest	12/19/2011	5.00	145.00	725.00
Staff Engineer					
FR	Frigillana, Raymund	11/28/2011	8.00	115.00	920.00
FR	Frigillana, Raymund	11/29/2011	8.00	115.00	920.00
FR	Frigillana, Raymund	11/30/2011	7.00	115.00	805.00
FR	Frigillana, Raymund	12/1/2011	8.00	115.00	920.00
FR	Frigillana, Raymund	12/2/2011	8.00	115.00	920.00
FR	Frigillana, Raymund	12/3/2011	2.50	115.00	287.50
FR	Frigillana, Raymund	12/5/2011	8.00	115.00	920.00
FR	Frigillana, Raymund	12/6/2011	8.00	115.00	920.00
FR	Frigillana, Raymund	12/7/2011	8.00	115.00	920.00
FR	Frigillana, Raymund	12/8/2011	8.00	115.00	920.00
FR	Frigillana, Raymund	12/9/2011	8.00	115.00	920.00
FR	Frigillana, Raymund	12/12/2011	8.00	115.00	920.00
FR	Frigillana, Raymund	12/13/2011	8.00	115.00	920.00
FR	Frigillana, Raymund	12/14/2011	8.00	115.00	920.00
FR	Frigillana, Raymund	12/15/2011	8.00	115.00	920.00
FR	Frigillana, Raymund	12/16/2011	8.00	115.00	920.00
FR	Frigillana, Raymund	12/19/2011	8.00	115.00	920.00
FR	Frigillana, Raymund	12/20/2011	8.00	115.00	920.00
FR	Frigillana, Raymund	12/21/2011	9.00	115.00	1,035.00
FR	Frigillana, Raymund	12/21/2011	1.00	115.00	115.00
FR	Frigillana, Raymund	12/22/2011	8.00	115.00	920.00
FR	Frigillana, Raymund	12/23/2011	2.00	115.00	230.00
Totals			171.50		20,187.50
Total Labor					20,187.50

Reimbursable Expenses

Vehicle Mileage

AP 35776	11/15/2011	/ Vehicle mileage	41.07
AP 36273	11/16/2011	/ Vehicle mileage	46.62
AP 36034	11/28/2011	/ Vehicle mileage	41.07
AP 36034	11/29/2011	/ Vehicle mileage	41.07
AP 36034	11/30/2011	/ Vehicle mileage	41.07
AP 36273	11/30/2011	/ Vehicle mileage	46.62
AP 36034	12/1/2011	/ Vehicle mileage	44.40
AP 36034	12/2/2011	/ Vehicle mileage	41.07
AP 36188	12/3/2011	/ Vehicle mileage	67.71
AP 36188	12/5/2011	/ Vehicle mileage	41.07
AP 36188	12/6/2011	/ Vehicle mileage	41.07
AP 36188	12/7/2011	/ Vehicle mileage	41.07
AP 36188	12/8/2011	/ Vehicle mileage	41.07

Project	S102	Van Buren Bridge	Invoice	11502
AP	36188	12/9/2011 / Vehicle mileage	41.07	
EX	000000000016	12/12/2011 Frigillana, Raymund	41.07	
EX	000000000016	12/13/2011 Frigillana, Raymund	41.07	
EX	000000000028	12/13/2011 Frigillana, Raymund	88.25	
EX	000000000016	12/14/2011 Frigillana, Raymund	41.07	
EX	000000000016	12/15/2011 Frigillana, Raymund	41.07	
EX	000000000016	12/16/2011 Frigillana, Raymund	41.07	
EX	000000000028	12/19/2011 Frigillana, Raymund	41.07	
EX	000000000028	12/21/2011 Frigillana, Raymund	41.07	
EX	000000000028	12/22/2011 Frigillana, Raymund	74.93	
Total Reimbursables			1,066.72	1,066.72
			Project Total	\$21,254.22
			Total this Report	\$21,254.22



DOKKEN ENGINEERING

Transportation Solutions from Concept to Construction

August 23, 2011

Robert Lawrence
Group Delta Consultants
3017 Douglas Boulevard, Suite 300
Roseville, CA 95661

Subject: Amendment 1 to Van Buren Bridge Replacement Agreement

Dear Mr. Lawrence:

This letter when executed serves as Amendment 1 to the agreement between Dokken Engineering and Group Delta Consultants dated June 1, 2011 with an agreement amount of \$39,200. Group Delta Consultants is authorized to perform on-site full-time geotechnical observation as described in Attachment A: Scope of Work and Cost Proposal.

The amount authorized as Amendment 1 for geotechnical observation is \$48,000. The rates and payment terms are per the agreement between Dokken Engineering and Group Delta Consultants dated June 1, 2011.

The total not to exceed amount for Group Delta Consultants is \$87,200.

Sincerely,


DOKKEN ENGINEERING



Juann Ramos
Project Manager

8/23/11

Date



Robert Lawrence
Associate

August 30, 2011

Date

1215/52/JR/ksd



Attachment A: Scope of Work and Cost Proposal

Group Delta Consultants will provide full-time construction observation for the remaining eight piles which are to be constructed as part of the northbound bridge.

Group Delta Consultants will prepare and submit to the Resident Engineer daily reports of the construction activities and provide written documentation of the pile excavations as they are advanced.

Work performed by a Staff Engineer

Provide full-time pile construction observation, generate daily construction and pile reports at 48-hours (six days) per completed pile (average time to construct a pile based upon previous and current pile construction records) for eight piles equals 384 hours.

Group Delta Consultants will prepare and submit to the Resident Engineer daily reports of the construction activities and provide written documentation of the pile excavations as they are advanced.

Number of Piles	Hours Per Pile	Total Hours
8	48	384
Rate	Hours	Total
\$115.00	384	\$44,160.00

Work performed by an Associate Engineer

Technical Management and Review

Rate	Hours	Total
\$160.00	24	\$3,840.00

Total for Amendment 1: \$48,000

Total Agreement Amount: \$87,200

ATTACHMENT C

COMPANY: Dokken Engineering	SCOPE OF WORK Project Summary	DATE: 5/1/2013	REV:
PROJECT: Van Buren Bridge Replacement - Addendum No. 4		MILESTONE/PHASE/PROJECT SUMMARY: All Phases	

DIRECT LABOR					
I	FUNCTION	HOURS	@	RATE	AMOUNT
Rick Liptak	Principal / Project Manager			\$65.00	
Juann Ramos	Roadway Project Engineer	31	@	\$48.50	\$1,503.50
Matt Salvesson	Bridge Project Engineer			\$54.00	
David Vandershaf	Senior Engineer (DV)			\$48.00	
Martin Maechler	Senior Engineer (MM)	19	@	\$45.00	\$855.00
John Bishop	Senior Engineer (JB)			\$58.00	
Ryan Neves	Associate Engineer (RN)			\$35.00	
Nathan Donnelly	Associate Engineer (ND)			\$36.50	
Brian Stephenson	Associate Engineer (BS)			\$39.00	
Juan Rodriguez	Assistant Engineer (JR)			\$26.25	
Valerie Villa	Assistant Engineer (VV)			\$27.00	
Claudia Fletcher	Roadway Detailer (CF)			\$36.50	
Craig Houghton	Bridge Detailer (CH)			\$43.00	
Khanh Dang	Bridge Detailer (KD)			\$40.00	
Rob Lawrence	Senior Engineer (RL)			\$42.00	
Michael Wilson	Geologist (MW)			\$41.00	
TOTAL HOURS		50		TOTAL DIRECT LABOR	\$2,358.50

MULTIPLIERS			
ESCALATION @	(Rate)		
OVERHEAD @	171.00% (of Total Direct Labor + Escalation)		\$4,033.04
PAYROLL ADDITIVES @	(of Total Direct Labor + Escalation)		
TOTAL MULTIPLIERS			\$4,033.04

OTHER DIRECT EXPENSES *** Billed at Actual Cost ***					
ITEM	QUANTITY	UNIT	@	UNIT COST	AMOUNT
Tatsumi Partners	1	LS	@	\$2,500.00	\$2,500.00
Group Delta Consultants	1	LS	@	\$15,722.56	\$15,722.56
TOTAL OTHER DIRECT EXPENSES					\$18,222.56

OUTSIDE SERVICES (w/o fee)				
COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
TOTAL OUTSIDE SERVICES				

FEES			
OUTSIDE SERVICES ADMIN FEE @	(of Total Outside Services & Outside Services Fee)		
DOKKEN ENGINEERING @	010.00% (of Total Direct Labor + Total Multipliers)		\$639.15
OUTSIDE SERVICES @	010.00% (of Total Labor + Total Multiplier for Outside Services)		
TOTAL FEES			\$639.15
TOTAL COST			\$25,253.25