

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

7561



FROM: TLMA - Transportation Department

SUBMITTAL DATE:
May 6, 2010

SUBJECT: Amendment No. 2 to the Engineering Services Agreement for the Van Buren Bridge Replacement.

RECOMMENDED MOTION: That the Board of Supervisors:

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

BACKGROUND: The existing Van Buren Bridges were constructed in 1939 (southbound) and in 1958 (northbound) spanning the main waterway. These bridges were extended in length in 1971 to span the entire flood plain. In 1997, the State Department of Transportation evaluated the bridges for seismic safety. The initial recommendation was to retrofit the existing bridges.

Juan C. Perez
Director of Transportation

(Continued On Attached Page)

FINANCIAL DATA	Current F.Y. Total Cost:	\$ 166,410	In Current Year Budget:	Yes
	Current F.Y. Net County Cost:	\$ 0	Budget Adjustment:	No
	Annual Net County Cost:	\$ 0	For Fiscal Year:	2009/2010
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

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Buster, seconded by Supervisor Stone and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Buster, Tavaglione, Stone, Benoit and Ashley
Nays: None
Absent: None
Date: May 18, 2010
xc: Transp.

Kecia Harper-Ihem

Clerk of the Board

By:

Deputy

Prev. Agn. Ref. 09/02/08, 3.155,
04/10/01, 3.31

District: 2

Agenda Number:

3.69

The Honorable Board of Supervisors

RE: Amendment No. 2 to the Engineering Services Agreement for the Van Buren Bridge Replacement.

May 6, 2010

Page 2 of 2

However, a subsequent assessment of the bridge site for liquefaction concluded that the total replacement of the bridges would be the most feasible and prudent retrofit strategy. 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 carrying Van Buren Boulevard over the Santa Ana River. The new bridges are designed to meet the current seismic design criteria. The bridges are being constructed wide enough to accommodate three lanes in each direction in the future, a separated sidewalk for pedestrians and eight feet wide shoulders to accommodate bicycles.

The engineering services agreement with the design consultant was first amended on September 2, 2008 to address the scope changes due to a 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 due to limited in-house staff availability at the time. Amendment No. 2 is necessary due to:

- Modifications to construction staging, utility, landscaping, and construction area access plans that were necessary as a result of changes to the construction schedule of the City of Riverside's projects at Jurupa Avenue and Van Buren Boulevard.
- Addition of a retaining wall to eliminate right of way impacts on the City of Riverside's Water Quality Treatment Plant facility.
- Significant variation in soil type required a change in foundation type for the new bridge. The change to large diameter cast in drilled hole piles requires closer supervision and design support during construction.
- Increase in the level of construction support to County's resident engineer. County is performing the construction management work in-house to eliminate the need for a major construction management consultant contract.

Consultant's negotiated cost proposal to address these scope changes and for modifying the construction documents is \$166,410.

Recommended Contract Budget

Current Contract Amount:	\$1,615,833.43
Recommended Amendment 2:	<u>\$ 166,410.00</u>
Total Contract Amount:	\$1,782,243.43

Project No. B0-0801

AMENDMENT 2

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 18th day of May, 2009, 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, to modify the scope of work and to increase the budget for Phases I and II.
- B. The parties desire to amend the Agreement as amended on September 2, 2008 to extend the expiration date, modify the scope of services to be provided by the ENGINEER and increase the contract budget.

AGREEMENT

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

1. The current contract budget of \$1,615,833.43 shall be increased by \$166,410.00 to \$1,782,243.43 as provided below:
 - Increase the Phase II budget by the amount of \$60,000.00 for the preparation of Plans, Specifications, and Estimates (PS&E).
 - Increase the Phase IV budget by the amount of \$106,410.00 for the Construction Support.

These scope and budget modifications became necessary to address the coordination needs with the adjacent public projects in development and to eliminate the right of way impacts on the City of Riverside facilities bordering the bridge project near Jurupa Avenue Intersection. Also, detailed studies of the site soils showed significant variation in soil profile. The foundation type for the new bridges has been changed to

1 large diameter Cast in Drilled Hole piles (CIDH piles) to properly address these conditions. CIDH piles
2 require closer supervision and design support during construction. Detailed descriptions of the extra work and
3 the summaries of the requested and recommended budget adjustments are provided in attachment "A" of this
4 Amendment.

5 2. The existing Engineering Services Agreement as amended on September 2, 2008 expires on October 28,
6 2011. The Agreement term shall be extended by one year. All covenants set forth in the Agreement and as
7 modified in this Amendment shall be completed by October 28, 2012.

8 3. Except to the extent specifically modified or amended hereunder, all of the terms, covenants and conditions of
9 the Agreement as amended last on September 2, 2008 shall remain in full force and effect between the
10 parties hereto.

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

APPROVALS

COUNTY Approvals

RECOMMENDED FOR APPROVAL:



Dated: 4/19/10

JUAN C. PEREZ

Director of Transportation

APPROVED AS TO FORM:


Marsha L. Victor

Dated: 4/29/10

PAMELA J. WALLS

County Counsel

APPROVAL BY THE BOARD OF SUPERVISORS


Dated: MAY 18 2010

MARION ASHLEY

PRINTED NAME

Chairman, Riverside County Board of Supervisors

ATTEST:


reputy

Dated: MAY 18 2010

KECIA HARPER-IHEM

Clerk of the Board of Supervisors (SEAL)

ENGINEER Approvals

ENGINEER:



Dated: 11/5/09

RICHARD T. LIPTAK

PRINTED NAME

President

TITLE

ENGINEER:



Dated: 11/5/09

Cathy Chan

PRINTED NAME

Secretary

TITLE

ATTACHMENT A

AMENDMENT 2

SCOPE OF SERVICES AND FEE

**VAN BUREN BRIDGES AT SANTA ANA RIVER
BRIDGE REPLACEMENT PROJECT**



February 25, 2010

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
Contract Amendment No.2 - Request 1**

Dear Mr. Saglam:

As you know, a number of minor challenges surfaced as the plans were being finalized. All of these have already been addressed, but some required Dokken Engineering to prepare products that are outside of our contractual scope. In particular:

- **Revisions to Jurupa Intersection Plans** – Revisions to the plans include conforms to City of Riverside plans, site visits and meetings with City and Water Treatment staff, as well as the preparation of alternatives (three exhibits) for incorporating City proposed improvements. Revisions also included modification of landscaping plans, specifications, and estimates to accommodate screening of City's Waste Water Treatment Plant. These changes were required because the City's project has been delayed and will no longer be completed when the County's project starts. Revised plans include Sheets 1, 2, 5, 10, 13, 29, 53, 56, 71, 72, 75, and 76, as well as revisions to the estimates. (Task 10.1 of Phase 2)
Requested Supplement: \$28,000
- **Additional ROW Exhibits** – The right of entry requirements for the project required some adjustments. Dokken Engineering prepared additional Right of Way exhibits to support the County in its efforts to finalize these agreements. (Task 2.0 of Phase 2)
Requested Supplement: \$2,000
- **Retaining Wall Design** – An additional retaining wall was required in order to avoid impacts to the City Waste Water Treatment Plant facilities. Plan revisions included the incorporation of drainage facilities, pavement widening, and addition of curb gutter and sidewalk. Revised plans include Sheets 2, 5, 13, 18, 31, 33, 53, 56 and new Sheet 83, as well as revisions to the specifications and estimates. (Task 10.1 of Phase 2)
Requested Supplement: \$20,000
- **PS&E Revisions for Water Treatment Plant** – Additional PS&E revisions were required to minimize impacts to the City Waste Water Treatment Plant, including alternatives to maintain safety during construction, alternative access routes during construction, details of fencing and truck routes, and modifications to the special provisions. These changes were driven by the need to avoid temporary impacts to the State Property west of Van Buren Boulevard. Revised plans include Sheets 23 and 24, as well as revisions to the specifications and estimates. (Task 10.1 of Phase 2)
Requested Supplement: \$10,000



Mr. Tayfun Saglam, P.E.

February 25, 2010

Page 2

- **Construction Support** – The current budget for design support during construction is \$51,000. The County is requiring substantially more support during the construction of this \$22 million project. In addition to responding to all requests for information/clarification, reviewing shop drawings, and preparing the As-Built plans, Dokken Engineering will review and provide comments on submittals by the contractor when requested by the County's Resident Engineer. Dokken Engineering will also review and provide comments on:

- Contractor proposals
- Prestressing systems
- Joint seal assemblies
- Metal railing
- Bearing pads
- Piles and pile driving systems
- Structural steel
- Materials and substitution of materials

Also, Dokken Engineering will provide services for construction loading on existing structures, utility coordination, modify plans and attend field meetings, as needed.

Requested Supplement: \$89,000

TOTAL REQUESTED SUPPLEMENT: \$149,000

Please note that Dokken Engineering has already exhausted its contractual design support budget covering (in part) the out of scope items described in this letter.

I have prepared a detailed breakdown of this supplement request in the attached spreadsheet (based on the County's standard template) and the revised project scope. New text (including that from Addendum 1) in the scope is shown in red italics. Please call me at (916) 858-0642 if you have any questions.

Sincerely,

DOKKEN ENGINEERING

Richard T. Liptak, PE
Project Manager

Attach.

1215-52/RTL/JR

Addendum Cost Breakdown

FEE PROPOSAL SUMMARY						
	PHASE I	PHASE II	PHASE III	PHASE IV	PHASE V	TOTALS
Dikken Engineering		\$59,991.13		\$88,969.24		\$148,960.37
LSA Associates						
Psomas						
TOTALS		\$59,991.13		\$88,969.24		\$148,960.37

Phase I: Preliminary Engineering
Phase II: Final Design
Phase III: Construction Bidding Support
Phase IV: Construction Support
Phase V:

FEE PROPOSAL WORKSHEET

COMPANY:

Dokken Engineering

SCOPE OF WORK

Project Summary

DATE:

11/3/2009

REV:

PROJECT:

Van Buren Bridge Replacement - Addendum No. 2

11/12/2009	
MILESTONE/PHASE/PROJECT SUMMARY:	

All Phases

DIRECT LABOR

	FUNCTION	HOURS		RATE	AMOUNT
Rick Liptak	Principal / Project Manager	60	⌘	\$65.00	\$3,900.00
Juann Ramos	Roadway Project Engineer	267	⌘	\$48.50	\$12,949.50
Matt Salvesson	Bridge Project Engineer	150	⌘	\$54.00	\$8,100.00
David Vandershaf	Senior Engineer (DV)			\$48.00	
Martin Maechler	Senior Engineer (MM)	30	⌘	\$45.00	\$1,350.00
John Bishop	Senior Engineer (JB)			\$58.00	
Ryan Neves	Associate Engineer (RN)	159	⌘	\$35.00	\$5,565.00
Nathan Donnelly	Associate Engineer (ND)			\$36.50	
Brian Stephenson	Associate Engineer (BS)			\$39.00	
Juan Rodriguez	Assistant Engineer (JR)	305	⌘	\$26.25	\$8,006.25
Stephen Johnson	Assistant Engineer (SJ)			\$27.00	
Claudia Fletcher	Roadway Detailer (CF)	80	⌘	\$36.50	\$2,920.00
Craig Houghton	Bridge Detailer (CH)	10	⌘	\$43.00	\$430.00
Khanh Dang	Bridge Detailer (KD)	120	⌘	\$40.00	\$4,800.00
Rob Lawrence	Senior Engineer (RL)			\$42.00	
Michael Wilson	Geologist (MW)			\$41.00	

TOTAL HOURS	1181
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TOTAL DIRECT LABOR	\$48,020.75
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MULTIPLIERS

ESCALATION @

(Rate)

OVERHEAD @

13.50% (of Total Direct Labor + Escalation)

\$6,482.80

PAYROLL ADDITIVES @

168.50% (of Total Direct Labor + Escalation)

\$80,914.96

TOTAL MULTIPLIERS	\$87,397.77
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OTHER DIRECT EXPENSES

*** Billed at Actual Cost ***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Water Sampling		LS	\$8,000.00	
Geotechnical Investigations		LS	\$20,000.00	

TOTAL OTHER DIRECT EXPENSES

OUTSIDE SERVICES (w/o fee)

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
LSA Associates				
Psomas				

TOTAL OUTSIDE SERVICES

FEES

OUTSIDE SERVICES ADMIN FEE @	
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(of Total Outside Services & Outside Services Fees)

DOKKEN ENGINEERING @

010.00% (of Total Direct Labor + Total Multipliers)

\$13,541.85

OUTSIDE SERVICES @

010.00% (of Total Labor + Total Multiplier for Outside Services)

TOTAL FEES	\$13,541.85
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TOTAL COST	\$148,960.37
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FEE PROPOSAL WORKSHEET

COMPANY: Dokken Engineering	SCOPE OF WORK Final Design	DATE: 11/3/2009	REV:
PROJECT: Van Buren Bridge Replacement - Addendum No. 2		MILESTONE/PHASE/PROJECT SUMMARY: Phase II	

DIRECT LABOR

PERSONNEL	FUNCTION	HOURS		RATE	AMOUNT
Rick Liptak	Principal / Project Manager	20	@	\$65.00	\$1,300.00
Juann Ramos	Roadway Project Engineer	117	@	\$48.50	\$5,674.50
Matt Salveson	Bridge Project Engineer			\$54.00	
David Vandershaf	Senior Engineer (DV)			\$48.00	
Martin Maechler	Senior Engineer (MM)	30	@	\$45.00	\$1,350.00
John Bishop	Senior Engineer (JB)			\$58.00	
Ryan Neves	Associate Engineer (RN)	159	@	\$35.00	\$5,565.00
Nathan Donnelly	Associate Engineer (ND)			\$36.50	
Brian Stephenson	Associate Engineer (BS)			\$39.00	
Juan Rodriguez	Assistant Engineer (JR)	80	@	\$26.25	\$2,100.00
Stephen Johnson	Assistant Engineer (SJ)			\$27.00	
Claudia Fletcher	Roadway Detailer (CF)	80	@	\$36.50	\$2,920.00
Craig Houghton	Bridge Detailer (CH)	10	@	\$43.00	\$430.00
Khanh Dang	Bridge Detailer (KD)			\$40.00	
Rob Lawrence	Senior Engineer (RL)			\$42.00	
Michael Wilson	Geologist (MW)			\$41.00	
		TOTAL HOURS			
				TOTAL DIRECT LABOR	\$19,339.50

MULTIPLIERS

ESCALATION @		(Rate)	
OVERHEAD @	13.50% (of Total Direct Labor + Escalation)		\$2,610.83
PAYROLL ADDITIVES @	168.50% (of Total Direct Labor + Escalation)		\$32,587.06
TOTAL MULTIPLIERS			\$35,197.89

OTHER DIRECT EXPENSES

*** Billed at Actual Cost ***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Water Sampling		LS	\$8,000.00	
Geotechnical Investigations		LS	\$20,000.00	
TOTAL OTHER DIRECT EXPENSES				

OUTSIDE SERVICES (w/o fee)

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
LSA Associates				
Psomas				
TOTAL OUTSIDE SERVICES				

FEES

OUTSIDE SERVICES ADMIN FEE @		(of Total Outside Services & Outside Services Fees)	
DOKKEN ENGINEERING @	10.00% (of Total Direct Labor + Total Multipliers)		\$5,453.74
OUTSIDE SERVICES @	10.00% (of Total Labor + Total Multiplier for Outside Services)		
TOTAL FEES			\$5,453.74
TOTAL COST			\$59,991.13

FEE PROPOSAL WORKSHEET

COMPANY: Dokken Engineering	SCOPE OF WORK Construction Support	DATE: 11/3/2009	REV:
PROJECT: Van Buren Bridge Replacement - Addendum No. 2		MILESTONE/PHASE/PROJECT SUMMARY: Phase IV	

DIRECT LABOR

PERSONNEL	FUNCTION	HOURS		RATE	AMOUNT
Rick Liptak	Principal / Project Manager	40	@	\$65.00	\$2,600.00
Juann Ramos	Roadway Project Engineer	150	@	\$48.50	\$7,275.00
Matt Salveson	Bridge Project Engineer	150	@	\$54.00	\$8,100.00
David Vandershaf	Senior Engineer (DV)			\$48.00	
Martin Maechler	Senior Engineer (MM)			\$45.00	
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)	225	@	\$26.25	\$5,906.25
Stephen Johnson	Assistant Engineer (SJ)			\$27.00	
Claudia Fletcher	Roadway Detailer (CF)			\$36.50	
Craig Houghton	Bridge Detailer (CH)			\$43.00	
Khanh Dang	Bridge Detailer (KD)	120	@	\$40.00	\$4,800.00
Rob Lawrence	Senior Engineer (RL)			\$42.00	
Michael Wilson	Geologist (MW)			\$41.00	
		TOTAL HOURS			
		685		TOTAL DIRECT LABOR	\$28,681.25

MULTIPLIERS

ESCALATION @		(Rate)	
OVERHEAD @	13.50% (of Total Direct Labor + Escalation)		\$3,871.97
PAYROLL ADDITIVES @	168.50% (of Total Direct Labor + Escalation)		\$48,327.91
TOTAL MULTIPLIERS			\$52,199.88

OTHER DIRECT EXPENSES

*** Billed at Actual Cost ***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Water Sampling		LS	\$8,000.00	
Geotechnical Investigations		LS	\$20,000.00	
TOTAL OTHER DIRECT EXPENSES				

OUTSIDE SERVICES (w/o fee)

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
LSA Associates				
Psomas				
TOTAL OUTSIDE SERVICES				

FEES

OUTSIDE SERVICES ADMIN FEE @		(of Total Outside Services & Outside Services Fees)	
DOKKEN ENGINEERING @	10.00% (of Total Direct Labor + Total Multipliers)		\$8,088.11
OUTSIDE SERVICES @	10.00% (of Total Labor + Total Multiplier for Outside Services)		
TOTAL FEES			\$8,088.11
TOTAL COST			\$88,969.24

[illegible]

[illegible]

MANHOUR WORKSHEET

COMPANY:	SCORE OF WORK

Dokken Engineering Construction Support

SCOPE OF WORK

DATE: 4/4/2020

REVISION:

PROJECT:	Van Buren Bridge Replacement - Addendum No. 2	11/3/2009	MILESTONE/PHASE/PROJECT SUMMARY:

Phase 4

[illegible]

Total Manhours	40	150	150	225	400

[illegible]



DOKKEN ENGINEERING

Transportation Solutions from Concept to Construction

October 23, 2009

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

**RE: Van Buren Bridge Replacement
Contract Amendment No.2 - Request 2**

Dear Mr. Saglam:

As discussed in our October 13, 2009 field meeting, County of Riverside has requested Dokken Engineering to perform field observations during drilling operations for the Van Buren Boulevard Bridge Replacement project. It is expected that Griffith Construction will complete 20 exploratory borings during a period of 20 days (one boring per day). Boring activities will be conducted over two periods. The first period includes 15 borings and the second includes the remaining 5 borings.

Dokken Engineering staff will perform inspections for the first couple rock cores and verify the minimum RQD's and establish the acceptance criteria. For the first fifteen borings, Dokken Engineering staff will provide continuous logging of the drilling and coring operations and make field determinations of the RQD's for pile tip determination. The remaining five borings will be performed at a later date.

The total cost to perform this work includes;

Geotechnical Engineer	20 hrs	@ \$125.20/hour	\$2,504
Staff Geologist	200 hrs	@ \$74.53/hour	<u>\$14,906</u>
Total Addendum Request			\$17,410

The total cost assumes the drilling work will be completed in the twenty (20) contract days specified by Griffith Construction. If the drilling runs over the allotted 20 days, all additional supervision will be billed at time and materials basis.

Please call me if you have any questions.

Sincerely,

DOKKEN ENGINEERING

Juann Ramos, P.E.
Project Manager

1215-52/JR

Addendum Cost Breakdown

FEE PROPOSAL SUMMARY						
	PHASE I	PHASE II	PHASE III	PHASE IV	PHASE V	TOTALS
Dokken Engineering				\$17,409.04		\$17,409.04
LSA Associates						
Psomas						
TOTALS				\$17,409.04		\$17,409.04

Phase I: Preliminary Engineering
Phase II: Final Design
Phase III: Construction Bidding Support
Phase IV: Construction Support
Phase V:

FEE PROPOSAL WORKSHEET

COMPANY: Dokken Engineering	SCOPE OF WORK Project Summary	DATE: 11/3/2009	REV:
PROJECT: Van Buren Bridge Replacement - Amendment No. 2 - Request 2		MILESTONE/PHASE/PROJECT SUMMARY: All Phases	

DIRECT LABOR

	FUNCTION	HOURS	RATE	AMOUNT
Rick Liptak	Principal / Project Manager		\$65.00	
Juann Ramos	Roadway Project Engineer		\$48.50	
Matt Salveson	Bridge Project Engineer		\$54.00	
David Vandershaf	Senior Engineer (DV)		\$48.00	
Martin Maechler	Senior Engineer (MM)		\$45.00	
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	
Stephen Johnson	Assistant Engineer (SJ)		\$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)	20	\$42.00	\$840.00
Michael Wilson	Geologist (MW)		\$41.00	
Joshua Munn	Geologist (JM)	200	\$25.00	\$5,000.00
TOTAL HOURS		220	TOTAL DIRECT LABOR	\$5,840.00

MULTIPLIERS

ESCALATION @	(Rate)	
OVERHEAD @	171.00% (of Total Direct Labor + Escalation)	\$9,986.40
PAYROLL ADDITIVES @	(of Total Direct Labor + Escalation)	
TOTAL MULTIPLIERS		\$9,986.40

OTHER DIRECT EXPENSES *** Billed at Actual Cost ***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Water Sampling		LS	\$8,000.00	
Geotechnical Investigations		LS	\$20,000.00	
TOTAL OTHER DIRECT EXPENSES				

OUTSIDE SERVICES (w/o fee)

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
LSA Associates				
Psomas				
TOTAL OUTSIDE SERVICES				

FEES

OUTSIDE SERVICES ADMIN FEE @	(of Total Outside Services & Outside Services Fees)	
DOKKEN ENGINEERING @	010.00% (of Total Direct Labor + Total Multipliers)	\$1,582.64
OUTSIDE SERVICES @	010.00% (of Total Labor + Total Multiplier for Outside Services)	
TOTAL FEES		\$1,582.64
TOTAL COST		\$17,409.04

FEE PROPOSAL WORKSHEET

COMPANY: Dokken Engineering	SCOPE OF WORK Construction Support	DATE: 11/3/2009	REV:
PROJECT: Van Buren Bridge Replacement - Amendment No. 2 - Request 2		MILESTONE/PHASE/PROJECT SUMMARY: Phase IV	

DIRECT LABOR

PERSONNEL	FUNCTION	HOURS	RATE	AMOUNT
Rick Liptak	Principal / Project Manager		\$65.00	
Juann Ramos	Roadway Project Engineer		\$48.50	
Matt Salveson	Bridge Project Engineer		\$54.00	
David Vandershuf	Senior Engineer (DV)		\$48.00	
Martin Maechler	Senior Engineer (MM)		\$45.00	
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	
Stephen Johnson	Assistant Engineer (SJ)		\$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)	20	\$42.00	\$840.00
Michael Wilson	Geologist (MW)		\$41.00	
Joshua Munn	Geologist (JM)	200	\$25.00	\$5,000.00
TOTAL HOURS		220	TOTAL DIRECT LABOR	\$5,840.00

MULTIPLIERS

ESCALATION @	(Rate)	
OVERHEAD @	171.00% (of Total Direct Labor + Escalation)	\$9,986.40
PAYROLL ADDITIVES @	(of Total Direct Labor + Escalation)	
TOTAL MULTIPLIERS		\$9,986.40

OTHER DIRECT EXPENSES

*** Billed at Actual Cost ***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Water Sampling		LS	\$8,000.00	
Geotechnical Investigations		LS	\$20,000.00	
TOTAL OTHER DIRECT EXPENSES				

OUTSIDE SERVICES (w/o fee)

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
LSA Associates				
Psomas				
TOTAL OUTSIDE SERVICES				

FEES

OUTSIDE SERVICES ADMIN FEE @	(of Total Outside Services & Outside Services Fees)	
DOKKEN ENGINEERING @	10.00% (of Total Direct Labor + Total Multipliers)	\$1,582.64
OUTSIDE SERVICES @	10.00% (of Total Labor + Total Multiplier for Outside Services)	
TOTAL FEES		\$1,582.64
TOTAL COST		\$17,409.04

MANHOUT WORKSHEET

COMPANY:	SCOPE OF WORK		DATE:	REVISION:
Dokken Engineering			11/3/2009	
PROJECT:	MILESTONE/PHASE/PROJECT SUMMARY:			
Van Buren Bridge Replacement - Amendment No. 2 - Request 2	Project Summary			

Dokken Engineering Summary

[illegible]

LSA Associates Summary

Position / Account Manager	Account Manager	Project Manager	System Admin / Analyst	Designer	Architect	Programmer	QA	Tester	Trainer	Support	Other	TOTAL
\$75.00	\$28.00	\$30.00	\$20.00	\$25.00	\$35.00	\$25.00						\$24.00

Prismas Summary

[illegible]

0 Summary

[illegible]

0 Summary

[illegible]

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0 Summary

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