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



FROM: TLMA - Transportation Department

SUBMITTAL DATE: June 14, 2012

SUBJECT: Amendment No. 2 to the Engineering and Environmental Service Agreement

between the County of Riverside and Dokken Engineering for improvements to the existing interchange at Scott Road and Interstate 215 in the City of Menifee

RECOMMENDED MOTION: That the Board of Supervisors:

- 1. Approve Amendment Number 2 to the Engineering and Environmental Service Agreement between the County of Riverside and Dokken Engineering (Contract No. 05-04-011), and;
- 2. Authorize the Chairman of the Board to execute the same.

Juan C. Perez

Director of Transportation and Land Management

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(Continued On Attached Page)

FINANCIAL
DATA

Current F.Y. Total Cost: \$ 314,580 | In Current Year Budget: Yes

Surrent F.Y. Net County Cost: \$ 0 | Budget Adjustment: No

Annual Net County Cost: \$ 0 | For Fiscal Year: 2011/2012

SOURCE OF FUNDS: Scott Rd - RBBD (100%) Posit

Positions To Be Deleted Per A-30

There are no General Funds used on this project

Requires 4/5 Vote

C.E.O. RECOMMENDATION:

APPROVE

County Executive Office Signature

Consent Consent

X

Policy

FORM APPROVED COUNTY COUNSEL

Departmental Concurrence

Dep't Recomm.: Per Exec. Ofc.:

Prev. Agn. Ref. 06/14/05 (3.23) 04/17/07 (3.34)

District: 3/3

Agenda Number:

3.48

The Honorable Board of Supervisors

RE: Amendment No. 2 to the Engineering and Environmental Service Agreement between the County of Riverside and Dokken Engineering for improvements to the existing interchange at Scott Road and Interstate 215 in the City of Menifee

June 14, 2012

Page 2 of 2

BACKGROUND: On June 14, 2005, the Board of Supervisors executed an engineering services agreement between Riverside County Transportation Department and Dokken Engineering for the Scott Road/I-215 interchange project. The scope of services provided by Dokken Engineering includes preparation of the project report, preliminary engineering, environmental studies, preparation of the environmental document, and final design. The proposed improvements will widen the Scott Road overcrossing from 2 lanes to 6 through lanes plus add 5 turning lanes, realign all the ramps and add 2 new loop ramps north of Scott Road, and improve the intersections at Haun Road and Antelope Road.

The engineering services agreement was amended on April 17, 2007 due to scope changes to address the increase in traffic volume and the need to add additional lanes to Scott Road and auxiliary lanes to Interstate 215 to the project scope. This Engineering Services Agreement Amendment 2 is necessary due to:

- Modifications to the environmental studies and environmental document, project report, and design plans, that were necessary as a result of including improvements to the intersection of Haun Road and Scott Road. When the original agreement was prepared it was assumed that the intersection improvements would be completed by development prior to construction of the interchange. The City of Menifee has confirmed that the improvements will not be completed by development prior to the anticipated construction of the interchange, and since the improvements are a necessary component to the successful operation, and approval by Caltrans and FHWA of the interchange, the improvements must be added to the scope of the Scott Road interchange project.
- Additional studies required by Caltrans including; the pavement life cycle cost analysis; wetlands delineation; and additional tasks necessary to complete the environmental permitting and project design including aerial photography, geotechnical studies, and biological studies.

Amendment 2, as negotiated by the Transportation Department, increases the budget for the described services and also includes a \$14,980 contingency amount to be used only with prior written approval from the Director of Transportation. The project budget is summarized below:

Budget Summary:

Original Contract: \$1,681,739

Amendment 1: \$ 177,210

Amendment 2: \$ 314,580

Total Contract \$2,173,529

A more detailed scope of services and fee proposal is provided in Attachment A.

Project No. B30689

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Engineering Services Agreement – Amendment # 2

AMENDMENT 2 Contract No. 05-04-011-AZ Riverside Co. Transportation

THE COUNTY OF RIVERSIDE AND DOKKEN ENGINEERING

FOR ENGINEERING SERVICES ON THE SCOTT ROAD/INTERCHANGE IMPROVEMENT PROJECT

THIS AMENDMENT 2 (hereinafter the "Amendment") to an agreement is made and entered into as of this
day of, 2012, 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 the Scott Road/Interstate 215 Interchange improvement project between the County of Riverside Transportation Department and Dokken Engineering," that is dated June 14, 2005, and was first amended on April 17, 2007 (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, project report, plans, specifications & estimates, bid and construction support.
- B. The parties desire to supplement the current Agreement 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 and ratify the terms and conditions as follows, effective February 1, 2009:

- Article VI. COMPENSATION subparagraph B. of the Agreement is modified to reflect that the not to exceed amount of the contract of \$1,858,949.00 shall be increased by \$314,580.00 including contingencies to \$2,173,529.00 as provided below:
 - Increase the Phase I budget by the amount of \$139,480.00 and increase the Phase II budget by the amount of \$175,100.00, for engineering services necessary to incorporate additional environmental tasks, design work and to provide additional out of scope tasks. Detailed descriptions of the extra work are provided in Attachment "A2" of this Amendment, consisting of eight (8) pages, attached hereto and incorporated by this reference.
- 2. Article VI, COMPENSATION subparagraph B of the Agreement is further modified to reflect the following amounts of compensation for ENGINEER and the Contingency budget:

2

Dokken Engineering

Contingency

incorporated by this reference.

between the parties hereto.

this day and year first written above.

Amendment.

agreement.

\$ 299,600.00

\$ 14,980.00

Appendix A is modified to include the additional scope of work as reflected in Attachment A2 to this

4. Appendix B introductory paragraph is modified to reflect that time for completion for the Engineering Services

Agreement shall be extended to December 31, 2017 for Phases 1, 2, 3 and 4. All covenants set forth in the

amended Agreement shall be completed by the said date unless extended by another supplemental

5. Appendix C is modified as set forth in the summaries of the requested and recommended budget adjustments

6. Except to the extent specifically modified or amended hereunder, all of the terms, covenants and conditions of

IN WITNESS HEREOF, the parties hereto have caused this Amendment to the Agreement to be duly executed

the Agreement as approved on June 14, 2005 and previously amended shall remain in full force and effect

as provided in Attachment "C2" of this Amendment, consisting of thirty-two (32) pages, attached hereto and

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Engineering Services Agreement – Amendment # 2

1	ARTICLE VII • APPROVALS	
2	COUNTY Approvals	ENGINEER Approvals
3	RECOMMENDED FOR APPROVAL:	ENGINEER:
4 5 6	Dated: 6/20/17	Mulas Jaka Dated: 5/21/12
7	JUAN C. PEREZ	PRINTED NAME
8	Director of Transportation and Land Management	President
10	APPROVED AS TO FORM:	ENGINEER:
11	PAMELA J. WALLS, COUNTY COUNSEL	
12		
13	Nauska & Victor Dated: 6/12/12	Dated:
14 15	By Deputy	PRINTED NAME
16	By Deputy	TITLE
17	APPROVAL BY THE BOARD OF SUPERVISORS	
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20	Dated:	
21	PRINTED NAME	
22	Chairman, Riverside County Board of Supervisors	
2324	ATTEST:	
25	ATTEST.	
26	Dated:	
27	KECIA HARPER-IHEM	
28	Clerk of the Board	
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1	ENVIRONMENTAL REVALIDATION TASKS
2	ENVIRONMENTAL REVALIDATION TASKS
3	Phase I: Project Approval/Environmental Document (PA/ED)
4	Task 1.0 Project Management (WBS 100.10)
5	Task 1.1 Project Management (WBS 100.10)
6	Add the following:
7	Project Management services, as described in the executed contract, shall be extended to support the various
8 _	additional tasks described herein.
9	Augmentation for Task 1.0: \$12,300
10	Task 2.0 Preliminary Engineering Studies (WBS 160)
11	Add the following section:
12	Task 2.5 Hazardous Waste Initial Site Assessment: Enlargement of the project area requires that a new
13	hazardous waste records search be performed to identify any potential for hazardous waste or hazardous
14	materials in the new project area. A new records search is necessary to ensure that any new hazardous sites
15	since 2009 in the project area are identified and planned for prior to construction. This records search will be
16	submitted to Caltrans with a revalidation memo for the 2009 Hazardous Waste Initial Site Assessment. The new
17	design is not expected to substantially change the findings and conclusions made in the currently approved study.
18	Augmentation for Task 2.0: \$4,400
19	Task 3.0 Geotechnical Studies (WBS 160.10)
20	Task 3.4 Geotechnical Information (WBS 160.10.80)
21	Add the following:
22	Enlargement of the project area requires that a supplemental Geotechnical Design Report and Materials Report
23	be prepared to support the design and construction of the intersection improvements at Haun Road and Scott
24	Road.
25	Augmentation for Task 3.0: \$7,500
26	Task 7.0 Cultural Technical Studies (WBS 165.20)
27	Task 7.3 Historic Resources Evaluation Report:
28	Add the following:

Enlargement of the project area requires that a new Caltrans format Historic Resources Evaluation Report

(HRER) be prepared. Preparation of the HRER will include a site visit, recordation of the results on a DPR 523A (primary) Form for each building or structure as applicable, and a determination as to whether any of the

resources within the APE are exempt from review.

Task 7.4 Historic Property Survey Report:

Add the following:

Enlargement of the project area requires that a new APE map, revalidation memorandum, and Supplemental Historic Property Survey Report (HPSR) be prepared. The Supplemental HPSR will document the findings of cultural surveys conducted at the APE and the Historic Resources Evaluation Report (HRER) prepared by Galvin Preservation & Associates. The Supplemental HPSR will be attached to the 2010 Historic Property Survey Report and Archaeological Survey Report. It is anticipated that the project will have no adverse effect on historic

Section 4(f): A Section 4(f) De Minimis report shall be prepared if the properties within the new APE are determined eligible for the National Register of Historic Places (NRHP) and are therefore Section 4(f) resources. The report will document a determination of "no adverse effect" or "no historic properties impacted" and will include a discussion of the project footprint in relation to the resource.

properties and this will be documented in the revalidation memorandum and Supplemental HPSR.

Augmentation for Task 7.0: \$24,400

Task 8.0 Environmental Technical Studies (WBS 165.10)

Task 8.1 Community Impact Assessment:

Add the following:

Enlargement of the project area requires that a revalidation memorandum for the Community Impact Assessment approved in 2008 be prepared. This memo will outline any changes that would result from the project additions including changes to right-of-way acquisition, and, if applicable, changes to business or residential access. The new design is not expected to substantially change the findings and conclusions made in the currently approved study.

Task 8.2 Air Quality Study:

Add the following:

Enlargement of the project area requires that a revalidation memorandum for the Air Quality Study approved in 2009 and an updated Air Quality Conformity Analysis shall be prepared. The work will include a new Particulate Matter (PM) Hotspot Form for Project of Air Quality Concern (POAQC) review by the Southern California

the Federal Highway Administration (FHWA).

Task 8.3 Noise Study Report:

Add the following:

Enlargement of the project area requires that a revalidation memorandum for the Noise Study Report approved in August 2009 shall be prepared. The memorandum will assess the project's potential effects on existing and future noise conditions, including construction impacts. Applicable Federal (Caltrans) and local noise and land use compatibility criteria for the project area will be reviewed. Noise standards regulating noise impacts including FHWA Noise Abatement Criteria (NAC) and standards included in the City of Menifee's Noise Ordinance will be discussed for land uses adjacent to the project.

Association of Governments (SCAG) Transportation Conformity Working Group (TCWG). Upon review by the

TCWG, an updated Air Quality Conformity Analysis will be prepared for review by Caltrans and concurrence by

A survey of existing conditions will be conducted to establish the character of the noise environment at any sensitive receptor locations in the project area. Analysis requirements will be based on the sensitivity of the area and the Noise Ordinance specifications of the City of Menifee. The existing and future noise levels will be assessed using the traffic noise impact screening procedure outlined in section N-4000 of the Caltrans Technical Noise Supplement (TeNS). As the project will taper to the existing number of lanes prior to reaching residences, the memo will document that there would be no new potentially impacted receivers. The memo will explain that the intersection improvements are consistent with the findings and conclusions made in the Noise Study Report.

Task 8.5 Visual Impact Assessment:

Add the following

Enlargement of the project area requires that a revalidation memorandum for the Visual Impact Assessment approved in 2009 shall be prepared. The memorandum will include representative photographs of the Scott Road/Haun Road intersection and a discussion of the visual setting and project elements. The analysis is not expected to substantially change the findings and conclusions made in the original Visual Impact Assessment. *Add the following section:*

Task 8.6 Update Traffic Operational Analysis Report

Enlargement of the project area requires that a traffic memorandum shall be prepared. The memorandum will summarize existing traffic data as it relates to the approved project traffic report and will be utilized in the revision of the environmental technical studies associated with air quality and noise. This scope assumes that existing

A2-3

Attachment A2 - Amendment 2 Scope of Work

Scott Road Interchange at Interstate 215

traffic data at the Bundy Canyon Road / Scott Road intersection will be acceptable to Caltrans reviewers. As an 1 optional task, a formal update with all appropriate traffic modeling can be made to the approved traffic report. 2 3 Augmentation for Task 8.0: \$18,900 4

Task 9.0 Biological Studies (WBS 165.15)

Task 9.3 Natural Environment Study:

Add the following:

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Enlargement of the project area requires that permanent and temporary impacts on habitat shall be determined. Biological pedestrian surveys will be conducted to verify the conditions at the intersection and to refine acreage calculations. The drainage located west of Scott Road/Haun Road will be evaluated for preliminary jurisdictional delineation. After the surveys are completed, a revalidation memo will be prepared for the 2009 Natural Environment Study. This memo will document the surveys, include updated special status species lists, and discussion of potential impacts on biological resources not addressed in the approved study. If no new biological resources are affected, the memo will explain that the intersection improvements are consistent with the findings and conclusions made in the document.

Augmentation for Task 9.0: \$5,900

Task 10.0 Geometric Approval (WBS 160.10.15)

Task 10.2 Geometric Approval Drawing (GAD) Package:

Add the following:

The approved Geometric Approval Drawing (GAD) shall be updated to include the expanded project footprint.

Augmentation for Task 10.0: \$3,800

Task 11.0 Environmental Documents (WBS 165.25)

Add the following section:

Task 11.5 Environmental Revalidation: Enlargement of the project area requires that a Caltrans standard NEPA/CEQA Revalidation Form be prepared for the Categorical Exclusion/Mitigated Negative Declaration environmental document that was approved by Caltrans on December 2, 2010. The Revalidation Form will document updates to the project description including the Scott Road/Haun Road intersection, project area including an updated map, and any other environmental sections that would warrant update due to changes in the project design or changes in local, state, or federal regulations. The revalidation form will be reviewed and approved by Caltrans for both the NEPA and CEQA determinations. This scope of work includes the preparation

A2-4

and processing of the CEQA addendum.

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Update Environmental Commitment Record: An Environmental Commitment Record shall be prepared to attach with the Environmental Revalidation Form. This record will include all environmental commitments, including avoidance, minimization, and/or mitigation measures identified in each of the updated technical studies.

Augmentation for Task 11.0: \$9,600

Task 12.0 Project Report (WBS 180.05)

Task 12.1 Project Report (WBS 180.05.10)

Add the following:

Enlargement of the project area requires that a Supplemental Project Report be prepared to Caltrans standards to describe the expanded footprint.

Augmentation for Task 12.0: \$16,300

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ADDITIONAL OUT OF SCOPE TASKS

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Phase I: Project Approval/Environmental Document (PA/ED)

Task 2.0 Preliminary Engineering Studies (WBS 160)

Add the following section:

Task 2.6 Aerial Photography: Consultant shall provide support to County personnel for aerial photography as needed and requested by the County.

Augmentation for Task 2.0: \$2,800

Task 3.0 Geotechnical Studies (WBS 160.10)

Task 3.2 Field Exploration (WBS 160.10.80)

Add the following:

Additional geotechnical investigations shall be undertaken in order to support the design and construction of various retaining walls constructed to minimize critical right of way impacts. These investigations shall include the addition of approximately 20 geotechnical borings. The geotechnical and structural design of the extensive system of retaining walls was not considered in the original contract. Budget augmentation is only requested for expenses associated with geotechnical investigations of these walls.

Task 3.3 Laboratory Testing (WBS 160.10.80)

Add the following:

Additional laboratory testing shall be performed on the borings associated with the retaining wall design described above.

Augmentation for Task 3.0: \$14,000

Task 9.0 Biological Studies (WBS 165.15)

Task 9.2 Wetlands Delineation:

Add the following:

An updated delineation to revise the August 2006 delineation shall be prepared. This wetlands delineation is necessary in order to follow the most current method outlined in the 2006 Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West, in addition to the 1987 Corps of Engineers Wetlands Delineation Manual (Environmental Laboratory 1987). The Regional Supplement provides guidance specific to the Arid West Region. The previous wetlands delineation in 2006 only followed the 1987 Corps of Engineers

	Attachment A2 - Amendment 2 Scope of Work Scott Road Interchange at Interstate 215
1	Wetlands Delineation Manual. The new delineation shall capture changes in site conditions after 2006,
2	consisting of development at the southeast quadrant and the realignment of Paloma Wash along Antelope Road.
3	The revised delineation shall include additional data points and the reassessment of potential vernal pools at the
4	project site.
5	Augmentation for Task 9.0: \$13,000
6	Phase II: Plans, Specifications, and Estimate
7	Task 13.0 Roadway PS&E (WBS 230.05)
8	Add the following section:
9	Task 13.3 Life Cycle Cost Analysis:
10	Per Caltrans requirements, a Pavement Life Cycle Cost Analysis Report shall be prepared for inclusion with the
11	Plans, Specifications, & Estimate package. This type of analysis was not a Caltrans requirement at the start of
12	the contract.
13	Augmentation for Task 13.0: \$7,900

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			PHASE 1 (Reval) Task 7.0	PHASE 1 (Reval) Task 8.0	PHASE 1 (Reval) Task 9.0	PHASE 1 (Parval) Task 10.0	PHASE 1 (Reval) Task 11.0	PHASE 1 (Revæl) Tæsk 12.0	PHASE 2 (Reval) Task 1.0	PHASE 2 (Reval) Task 13.0	PHASE 2 (Reval) Tesk 16.0	PHASE 1 (Additional Tasks) Task	PHASE 1 (Additional Tasks) Task 3.0	PHASE 1 (Additional Tasks) Task	PHASE 2 (Additional Tasks) Task	TOTALS
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Dokken Engineering PROJECT:	SCOPE OF WO			10000	REV:
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Scott Road / I-215 - Amendm	nent 2			PHASE 1 (Reval)	
DIRECT LABOR					
PERSONNEL	FUNCTION	HOURS	RATE	AMOUNT	
Matt Salveson, P.E.	Project Manager	55	@ \$53.50	\$2 942 50	
Mike Roberts, P.E.	Project Engineer	25	@ \$41 00	\$1 025 00	
	Senior Engineer Assoc Engineer		\$46 00		
	Assist Engineer		\$37 50 \$32 50		
	Senior Env Planner		\$59.00		
	Env Planner		\$30.00		
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kerial Photography		Each	\$2,840,00		
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Dokken Engineering ROJECT: Scott Road / I-215 Amendin		WORK			DATE:	REV:
	Preliminary	Engineering Stud	lies		5/22/2012	1
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Scott Road / 1-215 Amendin	nent 2				PHASE 1 (Reval)	Task 2.0
IRECT LABOR						
PERSONNEL	FUNCTION	HOUR	S	RATE	AMOUNT	
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like Roberts, P.E.	Senior Engineer			\$41 00 \$46 00		
	Assoc Engineer	29	@	\$37 50	\$1,087 50	
	Assist Engineer			\$32.50		
	Senior Env Planner			\$59 00		
	Env Planner			\$30 00		
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az Waste ISA Records Sear	rch					
	1	Each	0	\$1,000,00	\$1,000,00	
erial Photography		Each		\$2,840 00		
ermitting Fees eotechnical Investigations (F	Potoining	Each		\$9,600 00		
alls)	Retaining	Each		\$14 000 00		
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tersection)	Tadi) Troda	Each		\$7,500.00		
odate Traffic Analyses (Option	onal Task)	Each		\$5,000 00		
male Hallic Allalyses (Option		Each		\$4,000.00		
			ТОТА	L OTHER DIRE	CT EXPENSES	\$1,000.00
utholing & Traffic Control JTSIDE SERVICES (w/o fe						\$1,000 00
otholing & Traffic Control		MULTIPLIE		L OTHER DIRE	TOTAL	\$1,000.00
outholing & Traffic Control Outside Services (w/o fe		MULTIPLIE				\$1,000 00
utholing & Traffic Control JTSIDE SERVICES (w/o fe		MULTIPLIE				\$1,000.00
utholing & Traffic Control JTSIDE SERVICES (w/o fe		MULTIPLIE				\$1,000.00
utholing & Traffic Control JTSIDE SERVICES (w/o fe		MULTIPLIE		EXPENSES	TOTAL	\$1,000.00
UTSIDE SERVICES (W/o fe		MULTIPLIE		EXPENSES		\$1,000,00
UTSIDE SERVICES (W/o fe	LABOR	MULTIPLIE	ER	TOTAL OUTS	TOTAL	\$1,000.00
JTSIDE SERVICES (w/o fe COMPANY	LABOR	side Services & O	eR	TOTAL OUTS	TOTAL	\$1,000.00
ES UTSIDE SERVICES (W/O fe COMPANY)	F (of Total Outs	eide Services & O ct Labor + Total M	utside S	TOTAL OUTS Services Fees rs)	TOTAL IDE SERVICES	\$1,000.00
utholing & Traffic Control JTSIDE SERVICES (w/o fe	F (of Total Outs	eide Services & O ct Labor + Total M	utside S	TOTAL OUTS Services Fees rs)	TOTAL IDE SERVICES	\$1,000.00 \$306.78

FEE PROPOSAL V	SCOPE OF WOR	K		DATE:	REV:
Dokken Engineering	Geotechnical St			5/22/2012	11
ROJECT:	nont 2			MILESTONE/PHAS	
Scott Road / I-215 - Amendn	ient Z			PHASE 1 (Reval)	1 ask 3,0
DIRECT LABOR					
PERSONNEL	FUNCTION	HOURS	RATE	AMOUNT	
Matt Salveson, P.E.	Project Manager		\$53.50		
Mike Roberts, P.E.	Project Engineer		\$41,00		
	Senior Engineer		\$46.00		
	Assoc Engineer		\$37 50		
	Assist Engineer		\$32.50		
	Senior Env Planner		\$59.00		
	Env Planner		\$30.00		
	TOTAL HOURS		TOTAL	DIRECT LABOR	
WW TIPL ISPO					
MULTIPLIERS	/D-4->				
ESCALATION @	(Rate)				
OVERHEAD @	133 80% (of Total Direct L				
PAYROLL ADDITIVES @	48 30% (of Total Direct L	abor + Escalation)			
			TOTA	AL MULTIPLIERS	
OTHER DIRECT EXPENSES	· · · Billed at Actual Cost · · ·				
ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT	
		UNIT	UNIT COST	AWIOUNT	
listoric Resources Evaluation	Report	Each	\$14 000 00		
I=- 10/	-1-				
laz Waste ISA Records Sear	SU	Each	\$1,000.00		
Verial Photography		Each	\$2,840,00		
Permitting Fees		Each	\$9,600,00		
Seotechnical Investigations (F	Petaining	Luon	4 5 000 00		
Valls)	i citali ilig	Each	\$14,000 00		
Seotechnical Investigations (F	Jaun Bood	Each	314,000 00		
ntersection)	aun Roau	Foot 0	67 500 00	67 500 00	
· ·		Each @	\$7,500,00	\$7,500,00	
Jpdate Traffic Analyses (Option	onar rask)	Each	\$5,000 00		
otholing & Traffic Control		Each	\$4,000,00		2
		TOTA	L OTHER DIR	ECT EXPENSES	\$7,500.00
UITOIDE OFFI "OFFI !				15	
OUTSIDE SERVICES (w/o fee					
COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL	
			TOTAL OUT	NDE OEDVIOED	
			TOTAL OUT	SIDE SERVICES	
EES					
UTSIDE SERVICES ADMIN	(of Total Outside	Services & Outside	Services Fees		
OKKEN ENGINEERING @	10,00% (of Total Direct La	bor + Total Multiplie	ers)		
UTSIDE SERVICES @	10 00% (of Total Labor + 1	Could be a Sale I have a see	•		
				TOTAL FEES	
					20.00
				TOTAL COST	\$7,500.00

	SCOPE OF WOR			DATE:	REV:
Dokken Engineering ROJECT:	Cultural Technic	cal Studies		5/22/2012 MILESTONE/PHAS	E/PROJECT SUMM
Scott Road / I-215 - Amendr	ment 2			PHASE 1 (Reval)	
DIRECT LABOR		v			
PERSONNEL Matt Salveson, P.E.	FUNCTION Project Manager	HOURS	RATE \$53 50	AMOUNT	
Mike Roberts P E	Project Manager Project Engineer		\$41.00		
	Senior Engineer		\$46 00		
	Assoc Engineer		\$37 50		
	Assist Engineer		\$32 50		
	Senior Env Planner	24 @		\$1,416 00	
	Env Planner	64 @	\$30 00	\$1,920 00	
<u></u>	TOTAL HOURS	88	TOTAL	DIRECT LABOR	\$3,336.00
MULTIPLIERS					
ESCALATION @	(Rate)				
OVERHEAD @	133 80% (of Total Direct L	abor + Escalation		\$4,463.57	
PAYROLL ADDITIVES @	48 30% (of Total Direct L	abor + Escalation		\$1,611.29	
			TOTA	L MULTIPLIERS	\$6,074 86
OTHER DIRECT EXPENSES	S Billed at Actual Cost				
ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT	
Historic Resources Evaluatio Haz Waste ISA Records Sea		Each @		\$14 000 00	
	n on	Each	\$1 000 00		
Aerial Photography		Fach	\$2.840.00	11	
		Each Each	\$2,840 00 \$9,600 00		
Permitting Fees	Retaining Walls)	Each	\$9,600 00		
Permitting Fees Geotechnical Investigations (
Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection)		Each Each	\$9,600 00 \$14,000 00		
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection)	Haun Road	Each Each	\$9,600 00 \$14,000 00 \$7,500 00		
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (ntersection) Jodate Traffic Analyses (Opt	Haun Road	Each Each	\$9,600 00 \$14,000 00 \$7,500 00 \$5,000 00		
Permitting Fees Geotechnical Investigations (Haun Road	Each Each Each	\$9,600 00 \$14,000 00 \$7,500 00		
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt	Haun Road	Each Each Each Each Each	\$9,600 00 \$14,000 00 \$7,500 00 \$5,000.00 \$4,000 00	ECT EXPENSES	\$14,000.00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each TOT	\$9,600 00 \$14,000 00 \$7,500 00 \$5,000.00 \$4,000 00	ECT EXPENSES	\$14,000 00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each Each	\$9,600 00 \$14,000 00 \$7,500 00 \$5,000.00 \$4,000 00	ECT EXPENSES	\$14,000.00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each TOT	\$9,600 00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00		\$14,000.00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each TOT	\$9,600 00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00		\$14,000.00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each TOT	\$9,600 00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00		\$14,000.00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (ntersection) Update Traffic Analyses (Opt Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each TOT	\$9,600 00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00		\$14,000.00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each TOT	\$9,600 00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00		\$14,000.00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (ntersection) Update Traffic Analyses (Opt Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each TOT	\$9,600 00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00		\$14,000.00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (ntersection) Update Traffic Analyses (Opt Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each TOT	\$9,600 00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00	TOTAL	\$14,000.00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (ntersection) Update Traffic Analyses (Opt Potholing & Traffic Control DUTSIDE SERVICES (w/o fe	Haun Road ional Task) ge) Y LABOR	Each Each Each Each TOT	\$9,600 00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00	TOTAL	\$14,000.00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Investigations	Haun Road ional Task) Pe) Y LABOR IF (of Total Outside 10.00% (of Total Direct Laborate)	Each Each Each Each Each MULTIPLIER Services & Outside	\$9,600 00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00 TAL OTHER DIRECTION TOTAL OUTS Se Services Fees	TOTAL	\$14,000.00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Investigations	Haun Road ional Task) Be) Y LABOR	Each Each Each Each Each MULTIPLIER Services & Outside	\$9,600 00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00 TAL OTHER DIRECTION TOTAL OUTS Se Services Fees	TOTAL SIDE SERVICES \$941 09	
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (ntersection) Update Traffic Analyses (Opt Potholing & Traffic Control DUTSIDE SERVICES (w/o fe COMPAN'	Haun Road ional Task) Pe) Y LABOR IF (of Total Outside 10.00% (of Total Direct Laborate)	Each Each Each Each Each MULTIPLIER Services & Outside	\$9,600 00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00 TAL OTHER DIRECTION TOTAL OUTS Se Services Fees	TOTAL SIDE SERVICES	\$14,000 00

FEE PROPOSAL V	SCOPE OF WOR			DATE:	REV:
Dokken Engineering ROJECT:	Environmental 1	Fechnical Studies		5/22/2012 MILESTONE/PHAS	SE/PROJECT SUMMA
Scott Road / I-215 - Amendr	ment 2			PHASE 1 (Reval)	
DIRECT LABOR		0			
PERSONNEL Matt Salveson, P.E.	FUNCTION Project Manager	HOURS	RATE \$53.50	AMOUNT	
Mike Roberts, P.E.	Project Ingineer		\$53.50 \$41.00		
WING MODERIO, I'L	Senior Engineer		\$46 00		
	Assoc Engineer		\$37 50		
	Assist Engineer		\$32 50		
	Senior Env Planner	20 @	\$59 00	\$1 180 00	
	Env Planner	110 @	\$30.00	\$3,300 00	
	TOTAL HOURS	130	TOTAL	DIRECT LABOR	\$4,480.00
	TOTAL HOOKS		TOTAL	DINEOT EADON	\$4,400,00
MULTIPLIERS ESCALATION @	(Rate)				
OVERHEAD @	133 80% (of Total Direct L	abor + Escalation)		\$5,994 24	
PAYROLL ADDITIVES @	48 30% (of Total Direct L	abor + Escalation)		\$2,163.84	
			TOTA	AL MULTIPLIERS	\$8,158.08
OTHER DIRECT EXPENSES	S ··· Billed at Actual Cost ···				
ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT	Ĭ
Historic Resources Evaluation	·	Each	\$14,000 00		
Haz Waste ISA Records Sea	rch	Each	\$1 000 00		
Aerial Photography Permitting Fees		Each Each	\$2 840 00 \$9,600 00		
Geotechnical Investigations (I	Dotaines (Melle)	Lacit	99,000 00		
		Each	\$14,000 00		
Geotechnical investigations (I ntersection)	Haun Road	Esst	67 500 00		
mersection) Jpdate Traffic Analyses (Opti	ional Task)	Each @	\$7,500 00 \$5,000 00	\$5,000 00	
Potholing & Traffic Control	Oliai rask)	Each	\$4,000 00	00 000,66	
·					
		ТОТ	AL OTHER DIRE	ECT EXPENSES	\$5,000.00
OUTSIDE SERVICES (w/o fe	ne)				
COMPAN		MULTIPLIER	EXPENSES	TOTAL	
			TOTAL OUT	SIDE SERVICES	
			TOTAL DOTS	SIDE DERVICES	
	F (of Total Outside	Services & Outside	Services Fees		
EES DUTSIDE SERVICES ADMIN	. (or rotal Outside			64 000 04	
UTSIDE SERVICES ADMIN	10 00% (of Total Direct La	abor + Total Multipli	ers)		
UTSIDE SERVICES ADMIN OKKEN ENGINEERING @	10 00% (of Total Direct La 10 00% (of Total Labor +		,	\$1,263,81	
EES IUTSIDE SERVICES ADMIN OKKEN ENGINEERING @ IUTSIDE SERVICES @	1000		,	TOTAL FEES	\$1,263 81
UTSIDE SERVICES ADMIN OKKEN ENGINEERING @	1000		,		\$1,263.81 \$18,901.89

COMPANY:	WORKSHEET	COPE OF WOR	RK			DATE:	REV:
Dokken Engineering	2.70	ological Stud	1679.07			5/22/2012	1
ROJECT:				-			E/PROJECT SUMM
Scott Road / I-215 - Amendr	nent 2					PHASE 1 (Reval)	Task 9.0
DIRECT LABOR							
PERSONNEL		CTION	HOURS		RATE	AMOUNT	
Matt Salveson, P.E.	Project Manage				\$53 50		
Mike Roberts, P E	Project Enginee Senior Engineer				\$41,00 \$46.00		
	Assoc Engineer				\$37 50		
	Assist Engineer				\$32 50		
	Senior Env Plan		4	@	\$59 00	\$236 00	
	Env Planner		56	@	\$30 00	\$1 680 00	
	,						
	<u> </u>						
	ТО	TAL HOURS	60	-8	TOTAL	DIRECT LABOR	\$1,916.00
MULTIPLIERS	(0.	-4-1					
SCALATION @		ate)		_			
OVERHEAD @	133.80% (of	Total Direct	Labor + Escalat	ion)		\$2 563 61	
_	•						
_	•		Labor + Escalat	ion)		\$925 43	\$3,480,04
_	•			ion)	ТОТА	\$925.43 AL MULTIPLIERS	\$3,489.04
AYROLL ADDITIVES @	48 30% (of	Total Direct		ion)	ТОТА		\$3 489 04
AYROLL ADDITIVES @ OTHER DIRECT EXPENSES ITEM	48 30% (of	Total Direct	Labor + Escalat		UNIT COST		\$3,489,04
AYROLL ADDITIVES @ OTHER DIRECT EXPENSES ITEM Ilstoric Resources Evaluatio	48 30% (of Billed at Actu	Total Direct	Labor + Escalat UNIT Each		UNIT COST \$14,000 00	AL MULTIPLIERS	\$3,489.04
OTHER DIRECT EXPENSES ITEM Ilistoric Resources Evaluatio laz Waste ISA Records Sea	48 30% (of Billed at Actu	Total Direct	Labor + Escalat UNIT Each Each		UNIT COST \$14,000.00 \$1,000.00	AL MULTIPLIERS	\$3,489.04
DITHER DIRECT EXPENSES ITEM Ilistoric Resources Evaluatio laz Waste ISA Records Sea erial Photography	48 30% (of Billed at Actu	Total Direct	UNIT Each Each Each		\$14,000 00 \$1,000 00 \$2,840 00	AL MULTIPLIERS	\$3,489.04
PAYROLL ADDITIVES @ OTHER DIRECT EXPENSES ITEM distoric Resources Evaluation daz Waste ISA Records Sea derial Photography Permitting Fees	48 30% (of Billed at Actu	Total Direct	UNIT Each Each Each Each Each		\$14,000 00 \$1,000 00 \$2,840 00 \$9,600 00	AL MULTIPLIERS	\$3,489.04
PAYROLL ADDITIVES @ OTHER DIRECT EXPENSES ITEM distoric Resources Evaluatio daz Waste ISA Records Sea derial Photography fermitting Fees Geotechnical Investigations (48 30% (of Billed at Actual In Report rich Retaining Walls)	Total Direct all Cost ••• QUANTITY	UNIT Each Each Each Each Each Each		\$14,000 00 \$1,000 00 \$2,840 00 \$9,600 00 \$14,000 00	AL MULTIPLIERS	\$3,489.04
OTHER DIRECT EXPENSES ITEM DISTORMED TO THE TIME DISTORMED TO THE DISTORMED TO THE TIME DISTORMED TO THE DI	48 30% (of B Billed at Actu n Report rch Retaining Walls) Haun Road Intersect	Total Direct all Cost ••• QUANTITY	UNIT Each Each Each Each Each Each Each Each		\$14,000 00 \$1,000 00 \$2,840 00 \$9,600 00 \$14,000 00 \$7,500 00	AL MULTIPLIERS	\$3,489.04
OTHER DIRECT EXPENSES ITEM Instoric Resources Evaluation laz Waste ISA Records Sea erial Photography ermitting Fees ieotechnical Investigations (in pdate Traffic Analyses (Opti	48 30% (of B Billed at Actu n Report rch Retaining Walls) Haun Road Intersect	Total Direct all Cost ••• QUANTITY	UNIT Each Each Each Each Each Each		\$14,000 00 \$1,000 00 \$2,840 00 \$9,600 00 \$14,000 00	AL MULTIPLIERS	\$3,489.04
PAYROLL ADDITIVES @ DTHER DIRECT EXPENSES ITEM Historic Resources Evaluatio Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Judate Traffic Analyses (Opti	48 30% (of B Billed at Actu n Report rch Retaining Walls) Haun Road Intersect	Total Direct all Cost ••• QUANTITY	UNIT Each Each Each Each Each Each Each Each		\$14,000 00 \$1,000 00 \$2,840 00 \$9,600 00 \$14,000 00 \$7,500 00 \$5,000 00	AL MULTIPLIERS	\$3,489.04
PAYROLL ADDITIVES @ DTHER DIRECT EXPENSES ITEM Historic Resources Evaluatio Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Jpdate Traffic Analyses (Opti Potholing & Traffic Control	48 30% (of S ···· Billed at Actual In Report In Retaining Walls) Haun Road Intersectional Task)	Total Direct all Cost ••• QUANTITY	UNIT Each Each Each Each Each Each Each Each		\$14,000 00 \$1,000 00 \$2,840 00 \$9,600 00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00	AL MULTIPLIERS	\$3,489.04
PAYROLL ADDITIVES @ OTHER DIRECT EXPENSES ITEM Historic Resources Evaluation daz Waste ISA Records Sea terial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Ipdate Traffic Analyses (Optivotholing & Traffic Control OUTSIDE SERVICES (w/o fee	48 30% (of S ··· Billed at Actual n Report rich Retaining Walls) Haun Road Intersectional Task)	Total Direct al Cost QUANTITY	UNIT Each Each Each Each Each Each Each Each	TOTA	\$14,000 00 \$1,000 00 \$2,840 00 \$9,600 00 \$7,500 00 \$5,000 00 \$4,000 00	AMOUNT ECT EXPENSES	\$3,489.04
PAYROLL ADDITIVES @ OTHER DIRECT EXPENSES ITEM Historic Resources Evaluatio Haz Waste ISA Records Sea Herial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Ipdate Traffic Analyses (Optivotholing & Traffic Control	48 30% (of S ··· Billed at Actural In Report In Retaining Walls) Haun Road Intersectional Task)	Total Direct all Cost ••• QUANTITY	UNIT Each Each Each Each Each Each Each Each	TOTA	\$14,000 00 \$1,000 00 \$2,840 00 \$9,600 00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00	AL MULTIPLIERS AMOUNT	\$3,489.04
PAYROLL ADDITIVES @ OTHER DIRECT EXPENSES ITEM Historic Resources Evaluatio Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Jpdate Traffic Analyses (Opti Potholing & Traffic Control	48 30% (of S ···· Billed at Actual In Report In Retaining Walls) Haun Road Intersectional Task)	Total Direct all Cost ••• QUANTITY	UNIT Each Each Each Each Each Each Each Each		\$14,000 00 \$1,000 00 \$2,840 00 \$9,600 00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00	AL MULTIPLIERS AMOUNT	\$3,489
PAYROLL ADDITIVES @ OTHER DIRECT EXPENSES ITEM Historic Resources Evaluation Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Jpdate Traffic Analyses (Opti Potholing & Traffic Control	48 30% (of S ··· Billed at Actural In Report In Retaining Walls) Haun Road Intersectional Task)	Total Direct al Cost QUANTITY	UNIT Each Each Each Each Each Each Each Each	TOTA	\$14,000 00 \$1,000 00 \$2,840 00 \$9,600 00 \$7,500 00 \$5,000 00 \$4,000 00	AMOUNT ECT EXPENSES	\$3,489.04
PAYROLL ADDITIVES @ DTHER DIRECT EXPENSES ITEM Historic Resources Evaluation Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Update Traffic Analyses (Opti Potholing & Traffic Control	48 30% (of S ··· Billed at Actural In Report In Retaining Walls) Haun Road Intersectional Task)	Total Direct al Cost QUANTITY	UNIT Each Each Each Each Each Each Each Each	TOTA	\$14,000 00 \$1,000 00 \$2,840 00 \$9,600 00 \$7,500 00 \$5,000 00 \$4,000 00	AMOUNT ECT EXPENSES	\$3,489.04
PAYROLL ADDITIVES @ OTHER DIRECT EXPENSES ITEM Historic Resources Evaluation Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Dydate Traffic Analyses (Option of Company) OUTSIDE SERVICES (w/o fee COMPAN) OUTSIDE SERVICES (w/o fee COMPAN)	48 30% (of S	Total Direct al Cost QUANTITY	UNIT Each Each Each Each Each Each Each Each	TOTAL	### COST ### \$14,000 00	AMOUNT ECT EXPENSES	\$3,489.04
PAYROLL ADDITIVES @ OTHER DIRECT EXPENSES ITEM Historic Resources Evaluation Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Update Traffic Analyses (Optivatholing & Traffic Control OUTSIDE SERVICES (w/o fee COMPAN* DUTSIDE SERVICES ADMIN	48 30% (of B Billed at Actu In Report In Retaining Walls) Haun Road Intersect Ional Task) Pel Y	Total Direct al Cost QUANTITY LABOR Total Outside	UNIT Each Each Each Each Each Each Each Each	TOTA	### COST \$14,000 00 \$14,000 00 \$2,840 00 \$9,600 00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00 \$4,000 00 \$4,000 00 \$4,000 00 \$6,000 \$	AMOUNT ECT EXPENSES TOTAL	\$3,489.04
PAYROLL ADDITIVES @ DTHER DIRECT EXPENSES ITEM Historic Resources Evaluation Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (in items of it	48 30% (of B Billed at Actu In Report In Report In Redaining Walls) Haun Road Intersect In Redaining Walls In Red	Total Direct LABOR Total Outside Total Direct L	UNIT Each Each Each Each Each Each Each Each	TOTA	### COST \$14,000 00 \$14,000 00 \$2,840 00 \$9,600 00 \$7,500 00 \$5,000 00 \$4,000 00 \$4,000 00 \$4,000 00 \$4,000 00 \$6,00	AL MULTIPLIERS AMOUNT ECT EXPENSES TOTAL	\$3,489.04
PAYROLL ADDITIVES @ DTHER DIRECT EXPENSES ITEM Historic Resources Evaluation Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Update Traffic Analyses (Optional Profile Control Potholing & Traffic Control DUTSIDE SERVICES (w/o fee	48 30% (of B Billed at Actu In Report In Report In Redaining Walls) Haun Road Intersect In Redaining Walls In Red	Total Direct LABOR Total Outside Total Direct L	UNIT Each Each Each Each Each Each Each Each	TOTA	### COST \$14,000 00 \$14,000 00 \$2,840 00 \$9,600 00 \$7,500 00 \$5,000 00 \$4,000 00 \$4,000 00 \$4,000 00 \$4,000 00 \$6,00	AMOUNT ECT EXPENSES TOTAL	\$3,489.04

Dokken Engineering PROJECT: Scott Road / I-215 - Amendment DIRECT LABOR PERSONNEL Matt Salveson, P E Mike Roberts, P E	FUNCTION Project Manager			DATE:	REV:
ROJECT: Scott Road / I-215 - Amendment DIRECT LABOR PERSONNEL Matt Salveson, P E	FUNCTION Project Manager			5/22/2012	1
DIRECT LABOR PERSONNEL Matt Salveson, P E	FUNCTION Project Manager				SE/PROJECT SUMM
PERSONNEL Matt Salveson, P E	Project Manager			PHASE 1 (Reval) Task 10.0
PERSONNEL Matt Salveson, P E	Project Manager				
Matt Salveson, P.E.	Project Manager	HOURS	RATE	AMOUNT	7
		, moone		3 50	
VIII.C POSCIES P. E.	Project Engineer	14		1 00 \$574 00	
	Senior Engineer	14	-	6 00	
	Assoc Engineer				
	Assist Engineer	20		7 50 2 50 \$650 00	
	Senior Env Planner	20			
				9 00	
	Env Planner		\$3	0 00	
	TOTAL HOUR	2 S 34	TO	DTAL DIRECT LABOR	\$1,224.00
MULTIPLIERS					
SCALATION @	(Rate)				5 2
VERHEAD @	133 80% (of Total Direc	t Labor + Escalati	on)	\$1 637 71	-
AYROLL ADDITIVES @	48 30% (of Total Direc	t Labor + Escalati	on)	\$591.19	
				TOTAL MULTIPLIERS	\$2,228 90
OTHER DIRECT EXPENSES	··· Billed at Actual Cost ···				
ITEM	QUANTITY		UNIT CO	ST AMOUNT	j
istoric Resources Evaluation Re		Each	\$14,000		
az Waste ISA Records Search		Each	\$1_000		
erial Photography		Each	\$2,840		
ermitting Fees		Each	\$9,600		
eotechnical Investigations (Reta	aining (Malls)	Each	\$14,000		
eotechnical Investigations (Hau		Each	\$7 500		
pdate Traffic Analyses (Optiona		Each	\$5,000		
otholing & Traffic Control	i rask)				
officing & Traffic Control		Each	\$4,000	100	
			TOTAL OTHER	DIRECT EXPENSES	
UTSIDE SERVICES (w/o fee)				S TOTAL	
COMPANY	LABOR	MULTIPLIER	EXPENSI	IOIAL	

Dokken Engineering	SCOPE OF WOR	RK			DATE:	REV:
	Environmental	Documents			5/22/2012	1
ROJECT: Scott Road / I-215 - Amend	Iment 2				MILESTONE/PHASE	
Jook (Cad) / Z b / Alliona	anone Z				PHASE 1 (Reval)	Task 11.0
DIRECT LABOR						
PERSONNEL Matt Salveson, P.E.	FUNCTION Project Manager	HOURS		RATE \$53.50	AMOUNT	
Mike Roberts, P.E.	Project Manager Project Engineer			\$33.50		
WINCE PRODUCTS, T. E.	Senior Engineer			\$46.00		
	Assoc Engineer			\$37 50		
	Assist Engineer			\$32 50		
	Senior Env Planner	20	@	\$59_00	\$1,180,00	
	Env Planner	64	@	\$30.00	\$1,920,00	
	TOTAL HOURS	84	_	TOTAL	DIRECT LABOR	\$3,100 00
MULTIPLIERS						
SCALATION @	(Rate)					
OVERHEAD @	133 80% (of Total Direct L		,		\$4,147.80	
PAYROLL ADDITIVES @	48 30% (of Total Direct L	_abor + Escalati	on)	TOTA	\$1,497 30 L MULTIPLIERS	\$5,645.10
				1017	L WOLTFLIERS	20 040 10
THER DIRECT EXPENSE	S Billed at Actual Cost					
ITEM	QUANTITY	UNIT		JNIT COST	AMOUNT	
listoric Resources Evaluatio	•	Each		\$14,000,00		
	arch	Each		\$1,000,00		
				\$2 840 00		
kerial Photography		Each				
erial Photography Permitting Fees	(Retaining Wolle)	Each		\$9 600 00		
erial Photography Permitting Fees Seotechnical Investigations (Each Each		\$9,600,00 \$14,000,00		
erial Photography ermitting Fees eotechnical Investigations (eotechnical Investigations)	(Haun Road Intersection)	Each Each Each		\$9 600 00 \$14 000 00 \$7 500 00		
erial Photography ermitting Fees leotechnical Investigations (leotechnical Investigations (pdate Traffic Analyses (Opi	(Haun Road Intersection)	Each Each		\$9,600,00 \$14,000,00		
erial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Ipdate Traffic Analyses (Opi	(Haun Road Intersection)	Each Each Each Each		\$9 600 00 \$14 000 00 \$7 500 00 \$5,000 00		
verial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Ipdate Traffic Analyses (Opi	(Haun Road Intersection)	Each Each Each Each Each	готац	\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00	ECT EXPENSES	:
Permitting Fees Geotechnical Investigations of the permitting Fees Geotechnical Investigations of the permitting Fees Geotechnical Investigations of the permitten of the permit	(Haun Road Intersection) tional Task)	Each Each Each Each Each		\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		
erial Photography Permitting Fees Geotechnical Investigations of Geotechnical Investigations of Ipdate Traffic Analyses (Opi otholing & Traffic Control	(Haun Road Intersection) tional Task)	Each Each Each Each Each		\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00	ECT EXPENSES _	:
Permitting Fees Geotechnical Investigations of the permitting Fees Geotechnical Investigations of the permitting Fees Geotechnical Investigations of the permitten of the permit	(Haun Road Intersection) tional Task)	Each Each Each Each Each		\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		
erial Photography ermitting Fees eotechnical Investigations (eotechnical Investigations (pdate Traffic Analyses (Opi otholing & Traffic Control	(Haun Road Intersection) tional Task)	Each Each Each Each Each		\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		
erial Photography ermitting Fees leotechnical Investigations (leotechnical Investigations (pdate Traffic Analyses (Opi otholing & Traffic Control	(Haun Road Intersection) tional Task)	Each Each Each Each Each		\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		
erial Photography ermitting Fees eotechnical Investigations (eotechnical Investigations (pdate Traffic Analyses (Opi otholing & Traffic Control	(Haun Road Intersection) tional Task)	Each Each Each Each Each		\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		
erial Photography ermitting Fees leotechnical Investigations (leotechnical Investigations (pdate Traffic Analyses (Opi otholing & Traffic Control	(Haun Road Intersection) tional Task)	Each Each Each Each Each		\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		
erial Photography ermitting Fees leotechnical Investigations (leotechnical Investigations (pdate Traffic Analyses (Opi otholing & Traffic Control	(Haun Road Intersection) tional Task)	Each Each Each Each Each		\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00	TOTAL	
erial Photography lermitting Fees leotechnical Investigations of leotechnical Investigations of pdate Traffic Analyses (Opi otholing & Traffic Control	(Haun Road Intersection) tional Task)	Each Each Each Each Each		\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		
erial Photography ermitting Fees deotechnical Investigations of deotechnical Investigations of pdate Traffic Analyses (Opi otholing & Traffic Control UTSIDE SERVICES (W/o fi	(Haun Road Intersection) tional Task) Fee) IY LABOR	Each Each Each Each Each MULTIPLIER	E	\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 COTHER DIRE	TOTAL	
erial Photography lermitting Fees Beotechnical Investigations of Control COMPAN COMPAN EES	(Haun Road Intersection) tional Task) See) IY LABOR	Each Each Each Each Each MULTIPLIER	E	\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 COTHER DIRE	TOTAL	
erial Photography lermitting Fees Beotechnical Investigations of Beotechnical Investigation of Beotechnical Investigation of	(Haun Road Intersection) Itional Task) Fee) IY LABOR N F (of Total Outside 10 00% (of Total Direct Laborate L	Each Each Each Each Each MULTIPLIER Services & Outs abor + Total Mu	side S	\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 COTHER DIRE	TOTAL	
erial Photography lermitting Fees Beotechnical Investigations of Beotechnical Investigation of Beotechnical Investigation of	(Haun Road Intersection) tional Task) Fee) IY LABOR	Each Each Each Each Each MULTIPLIER Services & Outs abor + Total Mu	side S	\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 COTHER DIRE	TOTAL SIDE SERVICES	
erial Photography lermitting Fees Beotechnical Investigations of Beotechnical Investigation of Beotechnical Investigation of	(Haun Road Intersection) Itional Task) Fee) IY LABOR N F (of Total Outside 10 00% (of Total Direct Laborate L	Each Each Each Each Each MULTIPLIER Services & Outs abor + Total Mu	side S	\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 COTHER DIRE	TOTAL	\$874.51
Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations of Geotechnical Investigations of Judate Traffic Analyses (Opi Potholing & Traffic Control DUTSIDE SERVICES (w/o fi COMPAN COMPAN DUTSIDE SERVICES ADMIN DOKKEN ENGINEERING @ DUTSIDE SERVICES @	(Haun Road Intersection) Itional Task) Fee) IY LABOR N F (of Total Outside 10 00% (of Total Direct Laborate L	Each Each Each Each Each MULTIPLIER Services & Outs abor + Total Mu	side S	\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 COTHER DIRE	TOTAL SIDE SERVICES	\$874.51 \$9,619.61

Part and I have a little and a	SCOPE OF WO			DATE:	REV:
Dokken Engineering ROJECT:	Project Repor	t		5/22/2012	1
ROJECT: Scott Road / I-215 - Amend	lment 2			MILESTONE/PHAS PHASE 1 (Reval)	
DIRECT LABOR					
PERSONNEL	FUNCTION	HOURS	RATE	AMOUNT	I
Matt Salveson, P.E.	Project Manager	00	\$53 50		İ
Mike Roberts, P E	Project Engineer Senior Engineer	20	© \$41 00 \$46 00	\$820 00	
	Assoc Engineer	40	② \$37,50	\$1,500 00	
	Assist Engineer	90	© \$32.50	\$2,925 00	
	Senior Env Planner		\$59 00		
	Env Planner		\$30,00		
	TOTAL HOUR	S 150	TOTAL	DIRECT LABOR	\$5,245.00
MULTIPLIERS					
SCALATION @	(Rate)				
OVERHEAD @	133 80% (of Total Direc	t Labor + Escalatio	n)	\$7,017.81	
PAYROLL ADDITIVES @	48 30% (of Total Direct	t Labor + Escalatio	n)	\$2,533,34	
			TOTA	L MULTIPLIERS	\$9,551 15
OTHER DIRECT EXPENSE	S Billed at Actual Cost				
ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT	
		Each	\$14,000 00		
laz Waste ISA Records Sea		Each	\$1,000 00		
Haz Waste ISA Records Sea Aerial Photography					
Haz Waste ISA Records Sea Aerial Photography Permitting Fees	arch	Each Each Each	\$1,000 00 \$2,840 00		
Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations	(Retaining Walls)	Each Each	\$1,000 00 \$2,840 00		
Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations Geotechnical Investigations	(Retaining Walls)	Each Each Each	\$1,000 00 \$2,840 00 \$9,600,00 \$14,000 00		
Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations Geotechnical Investigations Intersection)	arch (Retaining Walls) (Haun Road	Each Each Each Each	\$1,000 00 \$2,840 00 \$9,600,00 \$14,000 00 \$7,500 00		
Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations of Deotechnical Investigations of Intersection) Update Traffic Analyses (Op	arch (Retaining Walls) (Haun Road	Each Each Each	\$1,000 00 \$2,840 00 \$9,600,00 \$14,000 00		
Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations of Geotechnical Investigations on Intersection) Update Traffic Analyses (Op	arch (Retaining Walls) (Haun Road	Each Each Each Each Each Each	\$1,000 00 \$2,840 00 \$9,600,00 \$14,000 00 \$7,500 00 \$5,000 00		
Historic Resources Evaluation Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations in Geotechnical Investigations intersection) Update Traffic Analyses (Opi Potholing & Traffic Control	arch (Retaining Walls) (Haun Road	Each Each Each Each Each Each	\$1,000 00 \$2,840 00 \$9,600,00 \$14,000 00 \$7,500 00 \$5,000 00	ECT EXPENSES	
Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations Geotechnical Investigations Intersection) Update Traffic Analyses (Op Potholing & Traffic Control	arch (Retaining Walls) (Haun Road tional Task)	Each Each Each Each Each Each	\$1,000 00 \$2,840 00 \$9,600,00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00	ECT EXPENSES	
Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations Intersection) Update Traffic Analyses (Operation) Potholing & Traffic Control	arch (Retaining Walls) (Haun Road tional Task)	Each Each Each Each Each Each	\$1,000 00 \$2,840 00 \$9,600,00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00		
Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations of Geotechnical Investigations of Intersection) Update Traffic Analyses (Op	arch (Retaining Walls) (Haun Road tional Task)	Each Each Each Each Each Each	\$1,000 00 \$2,840 00 \$9,600,00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00	ECT EXPENSES	
Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations Intersection) Update Traffic Analyses (Operation) Potholing & Traffic Control	arch (Retaining Walls) (Haun Road tional Task)	Each Each Each Each Each Each	\$1,000 00 \$2,840 00 \$9,600,00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00		
Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations Intersection) Update Traffic Analyses (Operation) Potholing & Traffic Control	arch (Retaining Walls) (Haun Road tional Task)	Each Each Each Each Each Each	\$1,000 00 \$2,840 00 \$9,600,00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00		
Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations Intersection) Update Traffic Analyses (Operation) Potholing & Traffic Control	arch (Retaining Walls) (Haun Road tional Task)	Each Each Each Each Each Each	\$1,000 00 \$2,840 00 \$9,600,00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00		
Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations Intersection) Update Traffic Analyses (Operations of the Control Potholing & Traffic Control Con	arch (Retaining Walls) (Haun Road tional Task)	Each Each Each Each Each Each	\$1,000 00 \$2,840 00 \$9,600,00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00		
Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations Intersection) Update Traffic Analyses (Operation) Potholing & Traffic Control	arch (Retaining Walls) (Haun Road tional Task)	Each Each Each Each Each Each	\$1,000,00 \$2,840,00 \$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00	TOTAL	
Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations Intersection) Update Traffic Analyses (Operation) Potholing & Traffic Control	arch (Retaining Walls) (Haun Road tional Task)	Each Each Each Each Each Each	\$1,000,00 \$2,840,00 \$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		
Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations of Aerical Investigations of Aerical Investigations of Intersection) Ipdate Traffic Analyses (Op- Potholing & Traffic Control OUTSIDE SERVICES (Wolfic	ee)	Each Each Each Each Each Each Each Each	\$1,000 00 \$2,840 00 \$9,600,00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00 DTAL OTHER DIRE	TOTAL	
daz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations Intersection Indigental Profits Analyses (Op- Potholing & Traffic Control OUTSIDE SERVICES (Wo for COMPAN)	ee) IY LABOR	Each Each Each Each Each Each Each Each	\$1,000 00 \$2,840 00 \$9,600,00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00 DTAL OTHER DIRE	TOTAL SIDE SERVICES	
daz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations of Aerial Photography December of the sea o	(Retaining Walls) (Haun Road tional Task) ee) IY LABOR NF (of Total Outsid	Each Each Each Each Each Each Each Each	\$1,000 00 \$2,840 00 \$9,600,00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00 DTAL OTHER DIRI	TOTAL	
laz Waste ISA Records Seaterial Photography Permitting Fees Seotechnical Investigations of the section of the s	ee) IY LABOR	Each Each Each Each Each Each Each Each	\$1,000 00 \$2,840 00 \$9,600,00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00 DTAL OTHER DIRI	TOTAL SIDE SERVICES	\$1,479.61
daz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations Intersection Indigental Profits Analyses (Op- Potholing & Traffic Control OUTSIDE SERVICES (Wo for COMPAN)	(Retaining Walls) (Haun Road tional Task) ee) IY LABOR NF (of Total Outsid	Each Each Each Each Each Each Each Each	\$1,000 00 \$2,840 00 \$9,600,00 \$14,000 00 \$7,500 00 \$5,000 00 \$4,000 00 DTAL OTHER DIRI	TOTAL SIDE SERVICES \$1,479.61	\$1,479.61 \$16,275,76

COMPANY:	VORKSHEET SCOPE OF WOR	K		DATE:	REV:
Dokken Engineering	Phase 2 Project	t Management		5/22/2012	1
PROJECT: Scott Road / I-215 - Amendm	ent 2			MILESTONE/PHAS PHASE 2 (Reval)	
DIRECT LABOR				Access of the Control	
PERSONNEL	FUNCTION	HOURS	RATE	AMOUNT	1
Matt Salveson, P.E	Project Manager	25	@ \$53 50	\$1,337,50	
Mike Roberts, P E	Project Engineer	25	@ \$41.00	\$1,025,00	
	Senior Engineer		\$46.00		
	Assoc Engineer Assist Engineer		\$37 50 \$32 50		
	Senior Env Planner		\$59 00		
	Env Planner		\$30.00		
	TOTAL HOURS	50	TOTAL	DIRECT LABOR	\$2,362.50
MULTIPLIERS					
ESCALATION @	(Rate)				
OVERHEAD @	133 80% (of Total Direct L	abor + Escalatio	n)	\$3,161.03	
PAYROLL ADDITIVES @	48 30% (of Total Direct L			\$1,141.09	
			TOTA	L MULTIPLIERS	\$4,302.11
OTHER DIRECT EVRENCES	Billad at Astual Cost				
ITEM	••• Billed at Actual Cost ••• QUANTITY	UNIT	UNIT COST	AMOUNT	
Historic Resources Evaluation	Report	Each	\$14,000,00		
Haz Waste ISA Records Sean	ch	Each	\$1,000,00		
Aerial Photography		Each	\$2.840 00		
Permitting Fees		Each	\$9,600 00		
Geotechnical Investigations (R		Each	\$14,000,00	1	
Geotechnical Investigations (F	laun Road				
ntersection)	1 T 13	Each	\$7,500,00		
Update Traffic Analyses (Option	onal Task)	Each	\$5 000 00		
Ootholing & Traffic Control		Each	\$4 000 00		
		TO	OTAL OTHER DIRE	ECT EXPENSES	
OUTSIDE SERVICES (w/o fee	2)			ECT EXPENSES	
OUTSIDE SERVICES (w/o fee		MULTIPLIER		TOTAL	
			EXPENSES		
			EXPENSES	TOTAL	
COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL	
COMPANY EES OUTSIDE SERVICES ADMIN O	LABOR (of Total Outside	MULTIPLIER Services & Outs abor + Total Mult	TOTAL OUTS	TOTAL	
COMPANY EES OUTSIDE SERVICES ADMIN I	LABOR (of Total Outside	MULTIPLIER Services & Outs abor + Total Mult	TOTAL OUTS	TOTAL SIDE SERVICES \$666 46	2666 16
COMPANY	LABOR (of Total Outside	MULTIPLIER Services & Outs abor + Total Mult	TOTAL OUTS	TOTAL SIDE SERVICES	\$666.46

	SCOPE OF	WORK		DATE:	REV:
Dokken Engineering	Roadway	PS&E		5/22/2012	1
ROJECT: Scott Road / I-215 - Amendr	ment 2			PHASE 2 (Reval)	
				[11,000 - [0,000]	1401110
DIRECT LABOR PERSONNEL	FUNCTION	HOURS	RATE	AMOUNT	ĭ -
Matt Salveson, P.E.	Project Manager		\$53.50		
Mike Roberts, P E	Project Engineer	190	@ \$41.00		
	Senior Engineer	50	@ \$46.00	\$2,300.00	
	Assoc Engineer	474	@ \$37.50	\$17,775.00	
	Assist Engineer	568	@ \$32.50	\$18,460 00	
	Senior Env Planner		\$59 00)	
	Env Planner		\$30 00	1	1
	TOTAL HO	URS 1282	1010	DIPERTAND	240.005.00
	TOTAL HO	URS 1282] TOTA	L DIRECT LABOR	\$46,325.00
MULTIPLIERS	(Pote)				
SCALATION @ OVERHEAD @	(Rate)			#04 000 05	
PAYROLL ADDITIVES @		rect Labor + Escalation rect Labor + Escalation		\$61,982,85 \$22,374,98	
ATTOLE ADDITIVE O	40 30 % (b) Total Di	COL LABOR 1 Escalativ		AL MULTIPLIERS	\$84,357.83
				100,000	
OTHER DIRECT EXPENSES			LILIET COOT		
ITEM Istoric Resources Evaluation	n Report	TY UNIT Each	\$14,000.00	AMOUNT	
Haz Waste ISA Records Sea	Control of the second	Each	\$1,000 00		
Aerial Photography		Each	\$2,840 00		
Permitting Fees					
		Each	\$9,600 00		
_	Retaining Walls)		\$9,600 00		
Geotechnical Investigations (Each			
Geotechnical Investigations (\$9,600 00		
Geotechnical Investigations (Geotechnical Investigations (ntersection)	Haun Road	Each	\$9,600 00 \$14,000 00		
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt	Haun Road	Each Each	\$9,600 00 \$14,000 00 \$7,500 00		
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt	Haun Road	Each Each	\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00		
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt	Haun Road	Each Each Each Each	\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00	ECT EXPENSES	
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each	\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control DUTSIDE SERVICES (w/o fe	Haun Road ional Task)	Each Each Each	\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00	ECT EXPENSES	
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each	\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each	\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Ootholing & Traffic Control	Haun Road ional Task)	Each Each Each Each	\$9,600.00 \$14,000.00 \$7,500.00 \$5,000.00 \$4,000.00	TOTAL	
Geotechnical Investigations (Sectechnical Investigations (Intersection) Update Traffic Analyses (Optivotholing & Traffic Control OUTSIDE SERVICES (w/o fe	Haun Road ional Task)	Each Each Each Each	\$9,600.00 \$14,000.00 \$7,500.00 \$5,000.00 \$4,000.00		
Geotechnical Investigations (Geotechnical Investigations (Intersection) Ipdate Traffic Analyses (Opt Ootholing & Traffic Control	Haun Road ional Task) pe) Y LABOR	Each Each Each Each	\$9,600.00 \$14,000.00 \$7,500.00 \$5,000.00 \$4,000.00 OTAL OTHER DIF	TOTAL SIDE SERVICES	
Geotechnical Investigations (Geotechnical Investigations (Geotechnical Investigations (Intersection) Judate Traffic Analyses (Optivated Potholing & Traffic Control OUTSIDE SERVICES (W/o fe COMPAN' COMPAN' OKKEN ENGINEERING @	Haun Road ional Task) Pel Y LABOR IF (of Total Ou	Each Each Each T R MULTIPLIER tside Services & Outsect Labor + Total Mul	\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 OTAL OTHER DIF	TOTAL SIDE SERVICES	
Seotechnical Investigations (Seotechnical Investigations (Seotechnical Investigations (Intersection) Ipdate Traffic Analyses (Optional Investigations) FUTSIDE SERVICES (Wo fer COMPAN' COMPAN' COMPAN' EES UTSIDE SERVICES ADMIN	Haun Road ional Task) Pe) Y LABOR IF (of Total Ou	Each Each Each T R MULTIPLIER	\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 OTAL OTHER DIF	TOTAL SIDE SERVICES	\$13,068.28
Sectechnical Investigations (Secteon Investigation Investigation (Secteon Investigati	Haun Road ional Task) Pe) Y LABOR IF (of Total Ou	Each Each Each T R MULTIPLIER tside Services & Outsect Labor + Total Mul	\$9,600,00 \$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 OTAL OTHER DIF	SIDE SERVICES	\$13,068.28 \$143,751.11

	WORKSHE	SCOPE OF WORK				DATE:	REV:
Dokken Engineering PROJECT:		Coordinate Utiliti	es			5/22/2012 MILESTONE/PHAS	1 E/PRO JECT SUMM
Scott Road / I-215 - Amend	ment 2					PHASE 2 (Reval)	
DIRECT LABOR							
PERSONNEL		JNCTION	HOURS	1	RATE	AMOUNT	
Matt Salveson, P.E. Mike Roberts, P.E.	Project Mana Project Engil	•	4	@	\$53,50 \$41,00	\$164 00	
	Senior Engin				\$46.00	\$157.00	
	Assoc Engin		15	@	\$37 50	\$562 50	
	Assist Engine Senior Env F		15	@	\$32.50 \$59.00	\$487 50	
	Env Planner				\$30 00		li)
		TOTAL HOURS ↓	34		TOTAL	DIRECT LABOR	\$1,214 00
MIII TIDI ICDO				_1	NoTall Co.		
MULTIPLIERS ESCALATION @		(Rate)		_			
OVERHEAD @	133.80%	(of Total Direct La	abor + Escalati	ion)		\$1,624.33	
PAYROLL ADDITIVES @		(of Total Direct La				\$586.36	
					TOTA	L MULTIPLIERS	\$2,210 69
OTHER DIRECT EXPENSE	S ··· Billed at A	ctual Coet					
		iciual Cost					
ITEM		QUANTITY	UNIT	4	UNIT COST	AMOUNT	
ITEM Historic Resources Evaluation	n Report		Each	-1	\$14,000 00	AMOUNT	
ITEM Historic Resources Evaluation Haz Waste ISA Records Sea	n Report			-1		AMOUNT	
ITEM Historic Resources Evaluation Haz Waste ISA Records Sea Aerial Photography	n Report		Each Each	1	\$14,000 00 \$1,000 00	AMOUNT	
Historic Resources Evaluation Resources Evaluation Haz Waste ISA Records Seaterial Photography Permitting Fees	in Report arch		Each Each Each Each	-1	\$14,000 00 \$1,000 00 \$2,840 00 \$9,600 00	AMOUNT	
litem Historic Resources Evaluation Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations Geotechnical Investigations	in Report arch (Retaining Walls)		Each Each Each		\$14,000 00 \$1,000 00 \$2,840 00	AMOUNT	
Historic Resources Evaluation Resources Evaluation Resources Evaluation Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection)	on Report arch (Retaining Walls) (Haun Road		Each Each Each Each Each	-1	\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7,500.00	AMOUNT	
Historic Resources Evaluation Resources Evaluation Resources Evaluation Resources Evaluation Resources Records Season Reventing Fees Geotechnical Investigations (Investigations (Investigations (Intersection)) Update Traffic Analyses (Options (Investigations (Investigations (Intersection))	on Report arch (Retaining Walls) (Haun Road	QUANTITY	Each Each Each Each Each Each	0.00	\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7,500.00 \$5,000.00		
Historic Resources Evaluation Resources Evaluation Resources Evaluation Resources Evaluation Resources Records Season Reventing Fees Geotechnical Investigations (Investigations (Investigations (Intersection)) Update Traffic Analyses (Options (Investigations (Investigations (Intersection))	on Report arch (Retaining Walls) (Haun Road		Each Each Each Each Each	0	\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7,500.00	\$4,000.00	
Historic Resources Evaluation Haz Waste ISA Records Seaterial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opi	on Report arch (Retaining Walls) (Haun Road	QUANTITY	Each Each Each Each Each Each	0	\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7,500.00 \$5,000.00		
Historic Resources Evaluation Resources Evaluation Resources Evaluation Resources Evaluation Resources Records Season Records Resources Records Resources (Records Records Rec	on Report arch (Retaining Walls) (Haun Road	QUANTITY	Each Each Each Each Each Each Each Each		\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7.500.00 \$5.000.00 \$4.000.00		\$4,000.00
Historic Resources Evaluation Resources Evaluation Resources Evaluation Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations Intersection) Update Traffic Analyses (Opi	on Report arch (Retaining Walls) (Haun Road tional Task)	QUANTITY	Each Each Each Each Each Each Each Each		\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7.500.00 \$5.000.00 \$4.000.00	\$4,000.00	\$4,000.00
Historic Resources Evaluation Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations of Intersection) Update Traffic Analyses (Opi Potholing & Traffic Control	on Report arch (Retaining Walls) (Haun Road tional Task)	QUANTITY	Each Each Each Each Each Each Each Each	TOTA	\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7.500.00 \$5.000.00 \$4.000.00	\$4,000.00	\$4,000.00
Historic Resources Evaluation Haz Waste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations of Intersection) Update Traffic Analyses (Opi Potholing & Traffic Control	on Report arch (Retaining Walls) (Haun Road tional Task)	QUANTITY 1	Each Each Each Each Each Each Each Each	TOTA	\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7.500.00 \$5,000.00 \$4.000.00	\$4,000,00 ECT EXPENSES	\$4,000.00
Historic Resources Evaluation Resources Evaluation Resources Evaluation Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Report Potholing & Traffic Control Potholing & Traffic Control Records (Wio for Potholing & Traffic Control Records)	on Report arch (Retaining Walls) (Haun Road tional Task)	QUANTITY 1	Each Each Each Each Each Each Each Each	TOTA	\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7.500.00 \$5,000.00 \$4.000.00	\$4,000,00 ECT EXPENSES	\$4,000.00
Historic Resources Evaluation Resources Evaluation Resources Evaluation Resources Evaluation Resources Photography Permitting Fees Geotechnical Investigations (Resource) Resources Investigations (Resource) Resources (Resources) Resources (Res	on Report arch (Retaining Walls) (Haun Road tional Task)	QUANTITY 1	Each Each Each Each Each Each Each Each	TOTA	\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7.500.00 \$5,000.00 \$4.000.00	\$4,000,00 ECT EXPENSES	\$4,000.00
Historic Resources Evaluation Resources Evaluation Resources Evaluation Resources Evaluation Resources Photography Permitting Fees Geotechnical Investigations (Resource) Resources Investigations (Resource) Resources (Resource) Resources (Resource) Resources (Resources) Resources (Resou	on Report arch (Retaining Walls) (Haun Road tional Task)	QUANTITY 1	Each Each Each Each Each Each Each Each	TOTA	\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7.500.00 \$5,000.00 \$4.000.00	\$4,000,00 ECT EXPENSES	\$4,000.00
Historic Resources Evaluation Resources Evaluation Resources Evaluation Resources Evaluation Resources Photography Permitting Fees Geotechnical Investigations (Resource) Resources Investigations (Resource) Resources (Resource) Resources (Resource) Resources (Resources) Resources (Resou	on Report arch (Retaining Walls) (Haun Road tional Task)	QUANTITY 1	Each Each Each Each Each Each Each Each	TOTA	\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7.500.00 \$5,000.00 \$4.000.00	\$4,000,00 ECT EXPENSES	\$4,000.00
Historic Resources Evaluation Resources Evaluation Resources Evaluation Resources Evaluation Resources Records Sea Rerial Photography Permitting Fees Reotechnical Investigations (Reotechnical Investigations (Reotechnica	on Report arch (Retaining Walls) (Haun Road tional Task)	QUANTITY 1	Each Each Each Each Each Each Each Each	TOTA	\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7.500.00 \$5,000.00 \$4.000.00	\$4,000,00 ECT EXPENSES	\$4,000.00
Historic Resources Evaluation Auguste ISA Records Sea Aerial Photography Permitting Fees Geotechnical Investigations (Auguste Control Protography Potholing & Traffic Control Potholing & Traffic Cont	on Report arch (Retaining Walls) (Haun Road tional Task)	QUANTITY 1	Each Each Each Each Each Each Each Each	TOTA	\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7.500.00 \$5,000.00 \$4.000.00	\$4,000.00 ECT EXPENSES	\$4,000.00
Historic Resources Evaluation Resources Evaluation Resources Evaluation Resources Evaluation Resources Records Sea Rerial Photography Permitting Fees Reotechnical Investigations (Reotechnical Investigations (Reotechnica	on Report arch (Retaining Walls) (Haun Road tional Task)	QUANTITY 1	Each Each Each Each Each Each MULTIPLIER	ΓΟΤ <i>Α</i>	\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7.500.00 \$5.000.00 \$4.000.00 ***TOTAL OUTS	\$4,000.00 ECT EXPENSES	\$4,000.00
distoric Resources Evaluations (April 1997) Permitting Fees Geotechnical Investigations (April 1997) Geotechnical Investigations (April 1997) Potholing & Traffic Control Putside Services (W/o for COMPAN) OKKEN ENGINEERING (April 1997)	on Report arch (Retaining Walls) (Haun Road tional Task) ee) Y	QUANTITY 1 LABOR of Total Outside S of Total Direct Lai	Each Each Each Each Each Each Each Each	rota R	\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7.500.00 \$5,000.00 \$4,000.00 \$4,000.00 TOTAL OUTS	\$4,000.00 ECT EXPENSES	\$4,000.00
Historic Resources Evaluation Haz Waste ISA Records Sea Herial Photography Permitting Fees Geotechnical Investigations (Description of the season of the se	on Report arch (Retaining Walls) (Haun Road tional Task) ee) Y	QUANTITY 1 LABOR	Each Each Each Each Each Each Each Each	rota R	\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7.500.00 \$5,000.00 \$4,000.00 \$4,000.00 TOTAL OUTS	\$4,000.00 ECT EXPENSES TOTAL SIDE SERVICES	
distoric Resources Evaluations (April 1997) Permitting Fees Geotechnical Investigations (April 1997) Geotechnical Investigations (April 1997) Potholing & Traffic Control Putside Services (W/o for COMPAN) OKKEN ENGINEERING (April 1997)	on Report arch (Retaining Walls) (Haun Road tional Task) ee) Y	QUANTITY 1 LABOR of Total Outside S of Total Direct Lai	Each Each Each Each Each Each Each Each	rota R	\$14.000.00 \$1.000.00 \$2.840.00 \$9.600.00 \$14.000.00 \$7.500.00 \$5,000.00 \$4,000.00 \$4,000.00 TOTAL OUTS	\$4,000.00 ECT EXPENSES TOTAL	\$4,000.00

		SCOPE OF WORK				DATE:	REV:
Dokken Engineering PROJECT:		Preliminary Engi	ineering Studi	es		5/22/2012	1
Scott Road / I-215 - Amende	ment 2						SE/PROJECT SUMMA onal Tasks) Task 2.
DIRECT LABOR							
PERSONNEL		NCTION	HOURS		RATE	AMOUNT	1
Matt Salveson, P.E.	Project Manag				\$53 50		
Mike Roberts, P E	Project Engine				\$41 00 \$46 00		
	Senior Engine Assoc Engine				\$37 50		
	Assist Engine				\$32 50		
	Senior Env Pla				\$59 00		1
	Env Planner				\$30 00		1
	Т	OTAL HOURS			TOTAL	DIRECT LABOR	
MULTIPLIERS							
ESCALATION @		Rate)					
OVERHEAD @	133 80% (of Total Direct La	abor + Escala	tion)			
PAYROLL ADDITIVES @	48 30% (of Total Direct La	abor + Escala	tion)			Y
					TOTA	L MULTIPLIERS	
OTHER DIRECT EXPENSES	S · · · Billed at Ac	ctual Cost					
ITEM		QUANTITY	UNIT		UNIT COST	AMOUNT	
Historic Resources Evaluatio	,		Each		\$14,000.00		
Haz Waste ISA Records Sea Aerial Photography	arcn	1	Each		\$1,000 00	00.040.00	
			Each	@	\$2,840,00 \$9,600,00	\$2,840 00	
Permitting Fees			Each		40,000,00		
Permitting Fees	(Retaining Walls)		Each		\$14,000.00		
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt	(Haun Road		Each		\$14,000,00		
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	(Haun Road		Each Each		\$14,000,00 \$7,500,00		
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt	(Haun Road		Each Each		\$14,000 00 \$7,500 00 \$5,000 00		
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt	(Haun Road		Each Each Each Each	тот/	\$14,000,00 \$7,500 00 \$5,000 00 \$4,000 00	ECT EXPENSES	\$2,840.00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt	(Haun Road tional Task)		Each Each Each Each	тот/	\$14,000,00 \$7,500 00 \$5,000 00 \$4,000 00	ECT EXPENSES	\$2,840 00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	(Haun Road tional Task)	LABOR	Each Each Each Each		\$14,000,00 \$7,500 00 \$5,000 00 \$4,000 00	ECT EXPENSES	\$2,840 00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	(Haun Road tional Task)	LABOR	Each Each Each Each		\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		\$2,840 00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	(Haun Road tional Task)	LABOR	Each Each Each Each		\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		\$2,840 00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	(Haun Road tional Task)	LABOR	Each Each Each Each		\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		\$2,840.00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	(Haun Road tional Task)	LABOR	Each Each Each Each		\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		\$2,840 00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	(Haun Road tional Task)	LABOR	Each Each Each Each		\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		\$2,840 00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	(Haun Road tional Task)	LABOR	Each Each Each Each		\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 AL OTHER DIRE	TOTAL	\$2,840 00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	(Haun Road tional Task)	LABOR	Each Each Each Each		\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 AL OTHER DIRE		\$2,840 00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control DUTSIDE SERVICES (w/o fe	(Haun Road tional Task)	LABOR	Each Each Each Each		\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 AL OTHER DIRE	TOTAL	\$2,840 00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control DUTSIDE SERVICES (w/o fe COMPAN)	(Haun Road tional Task) ee)	LABOR	Each Each Each MULTIPLIE	R	\$14,000,00 \$7,500 00 \$5,000 00 \$4,000 00 AL OTHER DIRE	TOTAL	\$2,840 00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control DUTSIDE SERVICES (w/o fe COMPAN:	(Haun Road tional Task) ee) Y	of Total Outside S	Each Each Each Each MULTIPLIE	R	\$14,000,00 \$7,500 00 \$5,000 00 \$4,000 00 AL OTHER DIRE EXPENSES TOTAL OUTS Services Fees	TOTAL	\$2,840 00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Optechnoling & Traffic Control DUTSIDE SERVICES (w/o feecompan) COMPAN DUTSIDE SERVICES ADMIN OKKEN ENGINEERING @	(Haun Road tional Task) ee) Y		Each Each Each Each MULTIPLIE Services & Ou	R	\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 AL OTHER DIRE EXPENSES TOTAL OUTS Services Feesers)	TOTAL	\$2,840 00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control DUTSIDE SERVICES (w/o fe COMPAN: COMPA	(Haun Road tional Task) ee) Y	of Total Outside S	Each Each Each Each MULTIPLIE Services & Ou	R	\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 AL OTHER DIRE EXPENSES TOTAL OUTS Services Feesers)	TOTAL	\$2,840 00
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opt Potholing & Traffic Control	(Haun Road tional Task) ee) Y	of Total Outside S	Each Each Each Each MULTIPLIE Services & Ou	R	\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 AL OTHER DIRE EXPENSES TOTAL OUTS Services Feesers)	TOTAL SIDE SERVICES	\$2,840 00

	WORKSHEET SCOPE OF V	WORK			DATE:	REV:
Dokken Engineering	Geotechnic	al Studies			5/22/2012	1
PROJECT: Scott Road / I-215 - Amendr	mont 2					SE/PROJECT SUMM
Scott (Voga / 1-215 - America	Helit Z				Priase I (Additi	onal Tasks) Task 3
DIRECT LABOR	T. D.OTION					14
PERSONNEL Matt Salveson, P E	FUNCTION Project Manager	HOURS		RATE \$53.50	AMOUNT	
Mike Roberts, P.E.	Project Engineer			\$41 00		
	Senior Engineer			\$46 00		
	Assoc Engineer			\$37.50		
	Assist Engineer			\$32.50		
	Senior Env Planner			\$59.00		
	Env Planner			\$30 00		
	TOTAL HOU	IRS		TOTAL	DIRECT LABOR	
MULTIPLIERS						
ESCALATION @	(Rate)]
OVERHEAD @	133.80% (of Total Dire	ect Labor + Escala	tion)			1
PAYROLL ADDITIVES @	48 30% (of Total Dire	ect Labor + Escala	tion)			
				101A	L MULTIPLIERS	
OTHER DIRECT EXPENSES	Billed at Actual Cost •	••				
ITEM	QUANTIT			VIT COST	AMOUNT	I
Historic Resources Evaluatio Haz Waste ISA Records Sea	•	Each Each		\$14,000 00 \$1 000 00		
Aerial Photography	1011	Each		\$2,840.00		
Permitting Fees		Each		\$9,600 00		
Geotechnical Investigations (I	Retaining Walls)	Each		P1 4 000 00	£14.000.00	
Geotechnical Investigations (I		Each	0	\$14.000 00	\$14,000,00	
Intersection)		Each		\$7,500.00	1	
Update Traffic Analyses (Opti	onal Task)	Each		\$5,000 00		l,
Potholing & Traffic Control		Each		\$4,000.00		
o o						
- Tunio Outiful						
- Library & Humb Outful			TOTAL (OT EVENOCO	C1 1 000 00
Zaronig & Humo Outdol			TOTAL (OTHER DIRE	CT EXPENSES	\$14,000.00
OUTSIDE SERVICES (w/o fe	e)				CT EXPENSES	\$14,000 00
-		MULTIPLIE		OTHER DIRE	CT EXPENSES	\$14,000 <u>00</u>
OUTSIDE SERVICES (w/o fe		MULTIPLIE				\$14,000 <u>00</u>
DUTSIDE SERVICES (w/o fe		MULTIPLIE				\$14,000.00
DUTSIDE SERVICES (w/o fe		MULTIPLIE				\$14,000.00
DUTSIDE SERVICES (w/o fe		MULTIPLIE				\$14,000 00
DUTSIDE SERVICES (w/o fe		MULTIPLIE				\$14,000.00
DUTSIDE SERVICES (w/o fe		MULTIPLIE	R EX	PENSES	TOTAL	\$14,000.00
DUTSIDE SERVICES (W/o fe		MULTIPLIE	R EX	PENSES		\$14,000.00
DUTSIDE SERVICES (W/o fe COMPAN'	LABOR	,	R EX	OTAL OUTS	TOTAL	\$14,000.00
DUTSIDE SERVICES (W/o fe COMPANY COMPANY CEES DUTSIDE SERVICES ADMIN	F (of Total Outs	side Services & Ou	R EX	OTAL OUTS	TOTAL	\$14,000 00
DUTSIDE SERVICES (W/o fe COMPANY EES DUTSIDE SERVICES ADMIN	F (of Total Outs	side Services & Ou ct Labor + Total M	R EX	OTAL OUTS	TOTAL	\$14,000 00
DUTSIDE SERVICES (W/o fe COMPAN'	F (of Total Outs	side Services & Ou ct Labor + Total M	R EX	OTAL OUTS	TOTAL IDE SERVICES	\$14,000.00
DUTSIDE SERVICES (W/o fe COMPANY EES DUTSIDE SERVICES ADMIN	F (of Total Outs	side Services & Ou ct Labor + Total M	R EX	OTAL OUTS	TOTAL	\$14,000.00

FEE PROPOSAL	SCOPE OF WOR	RK			DATE:	REV:
Dokken Engineering	Biological Stud	lies			5/22/2012	1
ROJECT: Scott Road / I-215 - Amend	ment 2					E/PROJECT SUMM/ mal Tasks) Task 9
DIDECT LABOR						
DIRECT LABOR PERSONNEL	FUNCTION	HOURS	- 1	RATE	AMOUNT	1
Matt Salveson, P E	Project Manager			\$53 50		
Mike Roberts, P E	Project Engineer			\$41.00		
	Senior Engineer			\$46 00		
	Assoc Engineer			\$37.50		
	Assist Engineer			\$32 50		
	Senior Env Planner	20	0	\$59 00	\$1,180.00	
	Env Planner	100	@	\$30 00	\$3,000 00	
	TOTAL HOURS	120	J	TOTAL	DIRECT LABOR	\$4,180.00
MULTIPLIERS						
ESCALATION @	(Rate)					
OVERHEAD @	133 80% (of Total Direct	Labor I Espelat	ian)		ec 500 04	
PAYROLL ADDITIVES @	48 30% (of Total Direct		,		\$5,592.84 \$2.018.94	
FATROLL ADDITIVES @	48 30 % (of Total Direct	Labor + Escarat	10(1)	TOTA	L MULTIPLIERS	\$7,611 78
OTHER DIRECT EXPENSE						
ITEM	QUANTITY	UNIT	1 3	UNIT COST	AMOUNT	
Historic Resources Evaluatio Haz Waste ISA Recoids Sea		Each Each		\$14,000 00		
Aerial Photography	II CIT	Each		\$2,840,00		
Permitting Fees		Each		\$9,600.00		
		Laur		49,000,00		
Geotechnical Investigations	(Retaining Walls)	Each		\$14,000.00		
Geotechnical Investigations	(Haun Road					
Intersection)		Each		\$7,500.00		
Update Traffic Analyses (Op-	tional Task)	Each		\$5,000,00		
otholing & Traffic Control		Each		\$4,000.00		
			TOTAL	OTHER DIRE	CT EXPENSES	
OUTSIDE SERVICES (w/o f		LAND TIPLIES		.va=va=a	I	
COMPAN	Y LABOR	MULTIPLIER	R E	EXPENSES	TOTAL	
				TOTAL OUTS	IDE SERVICES	
EES	_			TOTAL OUTS	IDE SERVICES	
EES DUTSIDE SERVICES ADMIN				ervices Fees	IDE SERVICES	
OUTSIDE SERVICES ADMIN	N F (of Total Outside	abor + Total Mu	ltiplier	services Fees	S1 179 18	
OUTSIDE SERVICES ADMIN	10 00% (of Total Direct L	abor + Total Mu	ltiplier	services Fees		\$1,179.18
	10 00% (of Total Direct L	abor + Total Mu	ltiplier	services Fees	\$1 179 18	\$1,179.18 \$12,970.96

Dokken Engineering		(DATE:	REV:
DO IFOR	Roadway PS&E			5/22/2012	1
PROJECT: Scott Road / I-215 - Amendr	nent 2				E/PROJECT SUMM onal Tasks) Task 1
					The state of the s
DIRECT LABOR PERSONNEL	FUNCTION	HOURS	RATE	AMOUNT	Ĭ
Matt Salveson, P E	Project Manager		\$53 50		i
Mike Roberts, P E	Project Engineer	4 @		\$164 00	
	Senior Engineer	20	\$46.00	7750.00	
	Assoc Engineer Assist Engineer	20 @ 50 @		\$750 00 \$1 625 00	1
	Senior Env Planner	30	\$59.00	Ψ1 023 00	
	Env Planner		\$30 00		1
	TOTAL HOURS	74	TOTAL	DIRECT LABOR	\$2,539,00
MULTIPLIERS					6
ESCALATION @	(Rate)				
OVERHEAD @	133 80% (of Total Direct La	7.		\$3,397,18	ľ
PAYROLL ADDITIVES @	48 30% (of Total Direct La	abor + Escalation)	TOT 4	\$1,226,34	24 000 50
			1014	L MULTIPLIERS	\$4,623 52
OTHER DIRECT EXPENSES					3
ITEM Historic Resources Evaluation	QUANTITY	UNIT Each	\$14,000,00	AMOUNT	
Haz Waste ISA Records Sea	*	Each	\$14,000,00		
Aerial Photography		Each	\$2,840 00		
Permitting Fees		Each	\$9,600,00		
	Retaining Walls)				
Geotechnical Investigations		Each	\$9,600,00 \$14,000,00		
Geotechnical Investigations (
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opti	Haun Road	Each	\$14,000.00		
Permitting Fees Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opti Potholing & Traffic Control	Haun Road	Each Each	\$14,000.00 \$7,500.00		
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opti	Haun Road	Each Each Each Each	\$14,000.00 \$7,500.00 \$5,000.00 \$4,000.00	-CT EXPENSES	
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opti Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each	\$14,000.00 \$7,500.00 \$5,000.00 \$4,000.00	ECT EXPENSES	
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opti Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each	\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opti Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each	\$14,000.00 \$7,500.00 \$5,000.00 \$4,000.00	ECT EXPENSES	
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opti Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each	\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opti Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each	\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opti Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each	\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opti Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each	\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00		
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opti Potholing & Traffic Control	Haun Road ional Task)	Each Each Each Each	\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 AL OTHER DIRE	TOTAL	
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opti Potholing & Traffic Control DUTSIDE SERVICES (w/o fe	Haun Road ional Task)	Each Each Each Each	\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 AL OTHER DIRE		
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opti Potholing & Traffic Control DUTSIDE SERVICES (w/o fe COMPANY	Haun Road ional Task) ee) Y LABOR	Each Each Each TOT.	\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 AL OTHER DIRE	TOTAL	
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opti Potholing & Traffic Control DUTSIDE SERVICES (w/o fe COMPANY	Haun Road ional Task) ee) Y LABOR	Each Each Each TOT. MULTIPLIER	\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 AL OTHER DIRE EXPENSES TOTAL OUTS	TOTAL	
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opti Potholing & Traffic Control DUTSIDE SERVICES (w/o fe COMPANY COMPANY COMPANY COMPANY COMPANY COMPANY COMPANY	Haun Road ional Task) Be) Y LABOR	Each Each Each TOT. MULTIPLIER Services & Outside	\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 AL OTHER DIRE EXPENSES TOTAL OUTS Services Fees iers)	TOTAL	
Geotechnical Investigations (Geotechnical Investigations (Intersection) Update Traffic Analyses (Opti Potholing & Traffic Control	Haun Road ional Task) Bel Y LABOR IF (of Total Outside S 10.00% (of Total Direct Lal	Each Each Each TOT. MULTIPLIER Services & Outside	\$14,000,00 \$7,500,00 \$5,000,00 \$4,000,00 AL OTHER DIRE EXPENSES TOTAL OUTS Services Fees iers)	TOTAL	\$716.25

Summary Scope of Work Engineering Summary Summary Summary Store Company:	MANHOUR WORKSHEET			
Summary Summary 5/22/2012 MILESTONEIPHASEIPR	COMPANY			
Summary 5/22/2012 Summary 5/22/2012 MILESTONEPHASE/PR		THE OF WORK		DENGLOSS
5/22/2012 Summary Fig. 12/25- Amendment 2	Dokken Engineegno			ALVISION.
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MILESTONEIPHASEIPR	DBO IECT.		2/22/2012	
Scott Road / 1-215 - Amendment 2			NI ESTONEIGN	SIDDO IECT CHAMADY.
	Scott Road / 1-215 - Amendment 2			TACHE SOMMANT.

Dokken Engineering Summary

Attachment C2 - Amendment 2 Budget Adjustments

TOTAL		80	29	88	130	6	3,48	28	150	05	1,282	8	120	74	2,215
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Env	\$30.00			64	110	99		64		+	+		100		394
Senor Env Planner	\$59.00		÷ —	24	20	4		20		-			20		88
Absist r Engineer	\$32.50			+			20		06		1 568	15		9 20	743
Assoc r Engmeer	\$37.50		29		_				40		1 474	15		20	578
Senior r Engineer	\$46.00	10		1			-			10	50	4			50
Project Engineer	\$41.00	25					14		20	25	190			4	282
Project Manager	\$53,50	55								25					80
TASK		PHASE 1 (Reval) Task 1.0	PHASE 1 (Reval) Task 2.0	PHASE 1 (Reval) Task 7.0	PHASE 1 (Reval) Task 8.0	PHASE 1 (Reval) Task 9.0	PHASE 1 (Reval) Task 10.0	PHASE 1 (Reval) Task	PHASE 1 (Reval) Task	PHASE 2 (Reval) Task 1.0	PHASE 2 (Reval) Task 13.0	PHASE 2 (Reval) Task 16.0	Additional k 9.0	Additional k 13.0	Totals
		PHASE 1	PHASE 1	PHASE 1	PHASE 1 (PHASE 1 (PHASE 1 (PHASE 1 (PHASE 1 (PHASE 2 (PHASE 2 (1	PHASE 2 (1	PHASE 1 (Additional Tasks) Task 9.0	PHASE 1 (Additional Tasks) Task 13.0	

Dokken Engineering PROJECT: Scott Road / I-215 - Amendment 2	lment 2					Scope of work Phase 1 Projec	NORK Project M	scope or work Phase 1 Project Management	t.				DATE: 5/22/2 MILEST PHASE	DATE: 5/22/2012 MILESTONE/PHASE/PRO. PHASE 1 (Reval) Task 1.0	DATE: REVISION: 1 5/22/2012 MILESTONE/PHASE/PROJECT SUMMARY: PHASE 1 (Reval) Task 1.0	IMARY:
TASK	Project Manager	Project Engineer	Senior Engineer	Assoc	Assist Engineer	Senior Env Planner	Env							iloz.		TOTAL
Total Manhours	55	25														80
Project Management	- 55	25										uee.				80
					*	1				 1	-					

Total Manhours September 6 Fingineer 6 Fingineer 7 Project 7 Fingineer 7 Project 7 Pro		
Total Manhours Total Manhours Total Manhours Total Manhours Total Manhours 29	SCOPE OF WORK Preliminary Engineering Studies REVISION:	
Project Engineer Engineer Engineer Planneer Plan	MILESTONEPHASEPROJECT SUMMARY: PHASE 1 (Revai) Task 2.0	UMMARY:
urs	Env Planner	TOTAL
		29
4. 32.		
		29

Contrant: Dokken Engineering PROJECT: Scott Road / I-215 - Amendment 2					or 🗸	SCOPE OF WORK Cultural Techni	Score of work Cultural Technical Studies	lies					DATE: 5/22/2012 MILESTONE/ PHASE 1 (Re	DATE: 5/22/2012 MILESTONE/PHASE/PRO PHASE 1 (Reval) Task 7.0	REVISION: REVISION: 1	MARY:
TASK	Project	Project Engineer	Senior Engineer	Assoc Engineer	Assist S Engineer	Senior Env Planner	Env			ly so						TOTAL
Total Manhours						24	64									88
Cultural Studies									ļ							
Historic Property Survey Report					+	22	32									54
Historic Resources Evaluation Report																
Section 4(f) de minimis					objection of	2	32		+	4	-		-		1	34
					-	-	+ _	+	1		+	-				1

Waynook Worksheel Cowken Engineering Project: Scott Read / 1-215 - Amendment 2						SCOPE OF WORK Environmental Technical Studies	WORK ental Tec	hnical St	ndles		n l				DATE: RE 5/22/2012 MILESTONEPHASE/PRO. PHASE 1 (RONAL) TARK 8.0	2 EPHASEIPI	NATE: 5/22/2012 1 MLESTONE/PHASEIPROJECT SURMARY: PHASE 1 (Reval Task RD	MMARY:
ТАВК	Project	Project	Senior Engineer	Assoc	Asset	Senior Env	Env											TOTAL
Total Manhours						20	110											130
Environmental Technical Studies																		
Air Quality Studies			9.			4	99	75						-1	_			70
Noise Study Report Memorandum						4	20											24
Community Impact Assessment Memorandum						4	00											12
Visual Impact Assessment Memorandum					1	4	æ	-		l.		4	_	-				12
Traffic Memorandum						4	00	1										12
Update Traffic Analyses and Report (Optional Task)							1			1					4			

Doken Engineering						SCOPE OF WORK Biological Stud	Scope of WORK Biological Studies						a v	DATE: 5/22/2012	REVISION:	:
Scott Road / I-215 - Amendment 2													2 6	MILESTONE/PHASE/PRO. PHASE 1 (Reval) Task 9.0	MILESTONE/PHASE/PROJECT SUMMARY: PHASE 1 (Roval) Task 9.0	SUMMARY:
TASK	Project	Project Engineer	Senior Engineer	Assoc	Assist Engineer	Assist Senior Env Engineer Planner	Env	1 (s)		(60)						TOTAL
Total Manhours						4	56									09
Natural Environment Study Memorandum	1					4	56		P			-	 		-	09
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COMPANY: Dokken Engineering PROJECT: Scott Road / I-215 - Amendment 2	Iment 2				W. E.	SCOPE OF WORK Geometric App	Scope of work Geometric Approval			DATE: 5/22/2012 MILESTONE/P PHASE 1 (Rev	HASEIPE	REVISION: 1 ROJECT SUMMAR 0.0
TASK	Project Manager	Project Engineer	Senior Engineer	Assoc	Assoc Aseist Senior En Engineer Planner	2	Env		lixe			TOTAL
Total Manhours		14			20							34
Geometric Approval		14			20	•		_			-	34

Total Manhours 20 64 84 Engineer Engineer Engineer Engineer Planner					-	scope of work Environmental	scope or work Environmental Documents	nents						DATE: REVISION: 5/22/2012 MILESTONE/PHASE/PROJECT SUMMARY: PHASE 1 (Reval) Task 11.0	REVISION: 1 14SE/PROJECT SU 3) Task 11.0	HON: 1 ST SUMMAR
Total Manhours 20 64 validation mmitment Record Total Manhours 20 64 16 52		Project Mahager				Senior Env Planner	Env Planner	1000m								101
validation 16 52 74 12 74 12	Total Manhours					20	64									
Record 4 12	nvironmental Revalidation									_				-		_
4 12	Prepare Environmental Revalidation		-			16	52	-	1					.i	-	ĺ
	Jpdate Environmental Commitment Record				Ď.		12		1	1	i		1	<u> </u>	1	ï
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COMPANY																
Dokken Engineering PROJECT: Scott Road / I-215 - Amendment 2	2					Scope of Work	WORK		i.			o φ × a	DATE: REVISION: 5/22/2012 MILESTONE/PHASE/PROJECT SUMMARY: PHASE 1 (Reval) Task 12 0	ASE/PROJE	REVISION:	MARY:
TASK	Project	Project	Senior	Awade	Assist	Sentor Env	Env				i-/					TOTAL
Total Manhours		20		4	06								-			150
Supplemental Project Report		20	4	40	06						1			-	-	150
							7									İ

COMPANY:						TO TOO	2000										
Dokken Engineering PROJECT: Scott Road / I-215 - Amendment 2	2		ķ.			Phase 2 Project	Score of Work Phase 2 Project Management	lanagem	ent	3.		i.		DATE: 5/22/20 MILESTO PHASE 2	DATE: 5/22/2012 MILESTONE/PHASE/PRO, PHASE 2 (Revail Tank 1.0	DATE: REVISION: 15/22/2012 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N: 1 SUMMAR
TASK	Project Manager	Project Engineer	Senior Engineer	Assoc	Assist	Seator Env Planner	Env									200	TOTAL
Total Manhours	25	25															02
Project Manamgent	25	25															25
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PROJECT: Scott Road / I-215 - Amendment 2	0					SCOPE OF WORK ROADWAY PS&E	WORK PS&E							DATE: 5/22/2012 MILESTONE/PP	REV	DATE: REVISION: 5/22/2012 HEVISION: MILESTONEPHASEPROJECT SUMMARY;
TASK	Project	Project Engineer	Senior Engineer	Assoc	Assust Engineer	Senior Env Planner	Env						THY	Trace (nava) 1888 13.0	II) 1858 13:0	TOTAL
Total Manhours		190	50	474	568											1 282
Plan Sheets		156	50	419	568						-					-
Special Provisions		56	0					-	i	1	1 -		74	1		1, 132
Drainage Report		00		55			· ·	-		1	-		200		1	
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COMPANY: Dokken Engineering PROJECT: Scott Road / I-215 - Amendment 2						Scope of Work Coordinate Utili	Coordinate Utilities	øΙ				DATE: 5/22/7 MILES	DATE: 5/22/2012 MLESTONE/PHASE/PROJECT SUMMARY: PHASE 2 (Found) Took 45.0	REVISION: 1 SPROJECT SU	ON: 1 SUMMA
TASK	Project Manager	Project Engineer	Senior Engineer	Ausoc Engineer	Assist	Senfor Env Planner	Env								TOTAL
Total Manhours		4		15	15										
Utility Coordination		4		15	15								-		
	Q.								,	- 1					
		1								 	 -			-1-	-

Attachment C2 - Amendment 2 Budget Adjustments

		Biological Studies	5/22/2012 MILESTONEPHASE/PROJECT SUMMARY: PHASE 1 (Additional Tasks) Task 9 0
TASK Project Project Senor Assoc Manager Engineer Engineer Engineer	Assist Senior Env Engineer Planner	Env Pienner	TOTAL
Total Manhours	20	100	138
Wetland Delineation	20	100	

Dokken Engineering PRoJECT: Scott Road / I-215 - Amendment 2	2					SCOPE OF WORK Roadway PS&E	WORK				5/22/2012 MILESTONEN PHASE 1 /Add	:012 ONE/PHASE	5/22/2012 MILESTONEPHASE/PROJECT SUMMARY:	SUMMARY:
TASK	Project Manager	Project Engineer	Senior Engineer	Assoc	Assist	Sentor Env Planner	Env						Sen (out	TOTAL
Total Manhours		4		20	20									74
Life Cycle Cost Analysis		4		20	50				 	 				47