

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

510A



**FROM:** TLMA - Transportation Department

**SUBMITTAL DATE:**  
January 11, 2012

**SUBJECT:** Amendment No. 2 to the Engineering and Environmental Service Agreement between the County of Riverside and CH2MHill, Inc. for Winchester Rd (SR 79) Thompson Road to Domenigoni Parkway

**RECOMMENDED MOTION:**

1. That the Board approve Amendment Number 2 to the Engineering and Environmental Service Agreement between the County of Riverside and CH2M HILL, INC. (Contract No. 04-07-007)
2. Authorize the Chairman of the Board to execute the same.

Juan C. Perez  
Director of Transportation

Departmental Concurrence

(Continued On Attached Page)

<b>FINANCIAL DATA</b>	Current F.Y. Total Cost:	\$ 575,000	In Current Year Budget:	Yes
	Current F.Y. Net County Cost:	\$ 0	Budget Adjustment:	No
	Annual Net County Cost:	\$ 0	For Fiscal Year:	2011/2012

<b>SOURCE OF FUNDS:</b> Southwest Area RBBB (80%) Measure A/Western (20%)	<b>Positions To Be Deleted Per A-30</b>	<input type="checkbox"/>
	<b>Requires 4/5 Vote</b>	<input type="checkbox"/>

There are no General Funds used on this project

**C.E.O. RECOMMENDATION:**

APPROVE  
BY   
Tina Grande

**County Executive Office Signature**

FORM APPROVED COUNTY COUNSEL

BY: *Kawsha A. Victor* / 1/11/12  
MARSHA L. VICTOR DATE

Dep't Recomm.:  Consent  Policy

Per Exec. Ofc.:  Consent  Policy

**Prev. Agn. Ref.** 08/24/04 (3.82) | **District:** 3/3 | **Agenda Number:**  
09/02/08 (3.143)

3.33

The Honorable Board of Supervisors

RE: Amendment No. 2 to the Engineering and Environmental Service Agreement between the County of Riverside and CH2MHill, Inc. for Winchester Rd (SR 79) Thompson Road to Domenigoni Parkway

January 11, 2012

Page 2 of 2

**BACKGROUND:** On August 24, 2004, the Board of Supervisors approved an agreement with CH2M HILL INC to provide professional consulting services for the improvements to Winchester Road (SR-79) from Thompson Road to Domenigoni Parkway. The agreement provided for the preparation of the project report, environmental document, plans, specifications and estimates. The engineering services agreement was amended on September 2, 2008 to incorporate additional build alternatives in order to minimize right-of-way impacts and costly improvements, to include the "Gap Closure" improvements from Thompson to Abelia which has been completed, and to introduce phasing of the remaining construction from Abelia to Domenigoni Parkway.

The proposed Amendment 2 incorporates further modifications to the scope of the existing CH2M HILL, INC Engineering and Environmental Services Agreement:

- Preparation of design alternatives to avoid additional property acquisitions as a result of negotiations with property owners. This included development of an alternative alignment, preparation of exhibits, and multiple meetings. This additional design work resulted in significant cost savings to the project by allowing the County to negotiate successfully with 21 out of 21 property owners and avoiding the cost of condemnation and additional right-of-way.
- Preparation of interim design plans to accelerate the construction of Phase 1, which has been awarded and is expected to begin in February.
- Preparation of plans for alternative access locations to accommodate local business owners.
- Additional coordination with utility companies, field exploration, potholing, design and environmental clearances for Caltrans permits to facilitate utility relocations.
- Revisions to the environmental document due to design modifications, possible blasting activities and associated detours, and to support the regulatory agencies permitting processes with additional calculations and exhibits.
- Increase in construction support services due to project phasing and additional bid document requirements.

Amendment 2 has been negotiated by the Transportation Department and increases the budget for consulting services necessary to provide the additional services and also includes a \$75,000 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:	\$2,442,627
Amendment 1:	\$1,299,806
<b><u>Amendment 2:</u></b>	<b><u>\$ 575,000</u></b>
 Total Contract	 \$4,317,433

A more detailed scope of services and fee proposal is provided in Attachment A. The last phase of construction (Phase 2) is in the process of obtaining the final environmental approvals and is expected to be out to bid by this summer. Project No. B405272

**AMENDMENT 2**

**AMENDMENT TO AGREEMENT BETWEEN**

**THE COUNTY OF RIVERSIDE AND CH2M HILL INC.**

**FOR ENGINEERING SERVICES ON THE SR 79 WIDENING PROJECT**

**FROM THOMPSON ROAD TO DOMENIGONI PARKWAY**

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 CH2M Hill Inc. (hereinafter "ENGINEER").

**RECITALS**

- A. COUNTY and ENGINEER have entered in an agreement entitled " Engineering Services Agreement for the SR 79 Thompson to Domenigoni project between the County of Riverside • Transportation Department and CH2M Hill Inc.," that is dated August 24, 2004, and was first amended on September 2, 2008 (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 as follows:

- Article VI. COMPENSATION subparagraph B. of the Agreement is modified to reflect that the not to exceed amount of the contract of \$3,742,432.98 shall be increased by \$575,000.00 including contingencies to \$4,317,432.98 as provided below:  
  
Increase the Phase I budget by the amount of \$71,521.29, increase the Phase II budget by the amount of \$380,685.29, increase the Phase III budget by the amount of \$8,647.99 and increase the Phase IV budget by the amount of \$39,145.43, for engineering services necessary to incorporate additional environmental tasks, design rework, additional bid/construction support and to provide additional out of scope tasks. Detailed descriptions of the extra work are provided in Attachment "A" of this Amendment, consisting of five (5) pages, attached hereto and incorporated by this reference.
- Article VI, COMPENSATION subparagraph B of the Agreement is further modified to reflect the following

amounts of compensation for ENGINEER, its subconsultants, and the Contingency budget:

- CH2M HILL INC \$498,720.00
- Critigen \$1,280.00
- Contingency \$75,000.00

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

4. Appendix B introductory paragraph is modified to reflect that the time for completion for the Engineering Services Agreement shall be extended to December 31, 2014 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 agreement.

5. Appendix C is modified as set forth in the summaries of the requested and recommended budget adjustments as provided in Attachment "C" of this Amendment, consisting of nineteen (19) pages, attached hereto and incorporated by this reference.

6. Except to the extent specifically modified or amended hereunder, all of the terms, covenants and conditions of the Agreement as approved on August 24, 2004 and previously amended shall remain in full force and effect between the parties hereto.

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

**ARTICLE VIII • APPROVALS**

**COUNTY Approvals**


RECOMMENDED FOR APPROVAL:

 Dated: 1/4/12

JUAN C. PEREZ  
Director of Transportation

APPROVED AS TO FORM:

PAMELA J. WALLS, COUNTY COUNSEL

 Dated: 1/9/12  
By Deputy

APPROVAL BY THE BOARD OF SUPERVISORS

\_\_\_\_\_ Dated: \_\_\_\_\_

\_\_\_\_\_  
PRINTED NAME  
Chairman, Riverside County Board of Supervisors

ATTEST:

\_\_\_\_\_ Dated: \_\_\_\_\_

KECIA HARPER-IHEM  
Clerk of the Board

**ENGINEER Approvals**

ENGINEER:

 Dated: 12/12/2011

THOMAS IONTA  
PRINTED NAME

SCO-TBG OPERATIONS MANAGER  
TITLE

ENGINEER:

\_\_\_\_\_ Dated: \_\_\_\_\_

\_\_\_\_\_  
PRINTED NAME

\_\_\_\_\_  
TITLE

# State Route 79 Widening Project

## Amendment 2 Scope of Work

Rev: November 17, 2011

### Introduction

This Scope of Work and Cost Estimate is submitted to continue environmental and design support of the SR-79 Widening Project (Project) for the Riverside County Transportation Department (COUNTY). Amendment 2 is required in order to incorporate modifications to the scope of the existing CH2M HILL INC Engineering and Environmental Services Agreement for the following reasons:

The scope will be revised to include engineering and environmental analyses and incorporation of alternative design features to accommodate new requirements from land owners and agencies involved in the right-of-way process beyond that previously designed at the 90% design and draft environmental documents levels.

The scope of the contract will be further modified to extend the life of the contract because of protracted right of way negotiations between the County and land owners requiring additional coordination, project development and support efforts by the engineering and environmental teams.

The proposed changes will require significant engineering and environmental work to revise and update the project documents.

The following text describes the scope of work to be done for each task that is involved in this amendment request. Tasks that were in the original contract but not affected by the proposed changes are not discussed in this document.

### **PHASE 1**

#### **A. (Task T1.PE.08) – Project Report - \$15,919.37**

The scope of this task has been modified and the associated budget needs to be increased by \$15,919.37 for the following reasons:

The Project Report was originally submitted to the County in May 2006 with the original alternatives. Amendment 1 added alternative build options to the scope of work. Additional changes are now required to each of the build alternatives to represent the modifications to the project as a result of the right of way negotiations. These changes include:

- Project 1 and Project 2 limit/gap modifications

In addition, the schedule delay has required the inclusion of additional text and a County prepared revalidation memo for the traffic analyses. The engineering required to

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change all build alternatives for the right of way negotiated changes to a level sufficient for the Project Report and modification of the traffic section is more extensive than the original budget allowed for.

## **Environmental Tasks**

### **B. (Task T1.TE.05.08, T1.TE.05.10 and T1.TE.05.14) – Draft/Final EA/IS - \$47,001.92 (\$8,629.44,\$25,070.01,\$13,302.46)**

The scope of this task has been modified and the associated budget needs to be increased by \$47,001.92 for the following reasons:

Additional changes to the build alternatives and relevant portions of the environmental document to account for changes in the project scope associated with modifications since the development of the 90% design.

Additional revisions required for the environmental documentation to address public comments specific to an individual owner. This included revising the comment responses due to changing negotiations with the property owner, new coordination with Caltrans and County Legal (review, revisions, meetings), final revisions to environmental document text based on final Caltrans comments, and then removal of text based on the letter being rescinded from the property owner.

Coordination and additional revisions to the environmental document text to account for the design year horizon change. This includes coordination with the traffic team, submittal and approval of a new application to the Transportation Conformity Working Group, an updated CO Hotspot analysis, and an updated air quality conformity approval from FHWA.

Coordination and data analysis to support the Section 401/404 and Streambed Alteration Agreement applications for the County. This work included additional areal calculations and figure preparation for the County's permit application consultant.

Additional revisions and revision cycles of the Draft IS/EA prior to circulation of the environmental document to the public.

#### Notes:

Tasks T1.TE.08 Mitigation Monitoring Plan, T1.TE.09.01 Wetland Delineation, T1.TE.09.02 404 NWP, T1.TE.09.03 401 Certification, T1.TE.09.04 Streambed Alteration Agreement, and T1.TE.09.05 Conceptual Mitigation Plan have all previously been descoped from the contract.

Review of the PS&E for conformance is included in Tasks T2.09 and T2.10. No other environmental tasks will be conducted after the certification of the environmental document under this task. Construction support is budgeted at 40 hours for an Environmental Task Lead and 40 hours for an Environmental Planner to address any issues raised during construction.

### **C. (Task T1.TE.EX) – Phase 1 Direct Expenses - \$8,600**

The scope of this task has been modified and the associated budget needs to be increased by \$8,600 for the following reasons:

It had previously been agreed that the County would be responsible for printing the Environmental Document. However due to time constraints CH2M HILL incurred the costs for

printing and shipping of the final Environmental Document. Expenses will be invoiced at actual costs with direct receipt backup.

## **PHASE 2**

### **Engineering and Management Tasks**

#### **D. (Task T2.01) – Project Administration - \$40,076.42**

The scope of these tasks has been modified and the associated budget needs to be increased by a total of \$40,076.42 for the following reasons:

The COUNTY's decision to revise the project features and the extended right of way negotiations with a major property owner have resulted in delays to the project schedule. The original contract and Amendment 1 included project management effort to the end of 2009. Amendment 2 extends the Project Design Schedule to the end of March of 2012. The additional project duration has also impacted RTP funding schedules requiring additional coordination meetings with FHWA and Caltrans to address impacts to the project scope. Additional assistance also is provided for multiple funding applications due to delays in right of way negotiations.

ENGINEER projects the need for the equivalent of 12 hours per month additional budget for the Project Management, Progress Reporting, and continuing coordination through the end of the project design period, March 2012.

#### **E. (Tasks T2.09, T2.10) – Extra Design Tasks - \$303,626.06 (\$197,690.52, \$105,935.54)**

The scope of this task has been modified and the associated budget needs to be increased by \$303,626.06 for the following reasons:

Additional work in support of obtaining an agreement with a major land owner in the right of way acquisition process has been required:

- Prepare ROW exhibits to reduce acquisition at private sod farm to keep the office building in place. Attended field meetings with owner and coordinate with Caltrans Oversight.
- Prepare alternate plans to avoid R/W acquisition for Wimbley and Kim properties in the event ROW negotiations require no takes at those locations. Coordinate with Caltrans Oversight on mitigation and avoidance measures.
- Attend field inspection with land owner and his representatives to discuss private access at old Washington Road, prepare concept access ramp designs at the location, take-off quantity estimates for the concept ramps.
- Prepare existing and proposed access maps on aerial back grounds, attend field review with land owner and his representatives to discuss access locations and possible agricultural crossings.
- Preparation of and providing application fee for agricultural crossing encroachment permit through Caltrans.



- Preparation of concept and final plans for alternative access to the agricultural operations north east of the realigned Garbani intersection with SR-79. Review and coordinate private owner's driveway design and bids for construction of the private driveway design.
- Coordinate SR-79 design documents with land owner's engineer, AEI-Casc, for compatibility with the land owner's development and operational plans.
- Prepare concept and final interim designs for work around at CAS Properties due to protracted ROW negotiations with land owner. Modify two design packages to incorporate changes.
- Develop an alternative alignment design for SR-79, coordinate design and attend field meetings to shift alignment at Keller to avoid relocation of Verizon distribution facilities.
- Prepare exhibits and attend field meetings to obtain approval from Caltrans to reduce ROW at two locations (Stieffel and Abuan) to avoid property owners' well-sites, so relocation costs would not be required.

**F. (Task T2.14) – Utility Coordination – \$12,516.25**

The scope of this task has been modified and the associated budget needs to be increased because of multiple iterations required by the utilities for coordinating potholing and redesign of relocations and project features beyond normal project utility coordination. An increase of \$12,516.25 is required for the following reasons:

- CH2M HILL prepared the initial utility plans and provided potholes for certain utilities that were identified on the plans. Subsequent to the completion of this work, additional utility potholes were required to positively locate Verizon buried fiber conduits that may be impacted by proposed cross culverts and culvert extensions. Preparation and approval of pothole plans and coordination with the County and Caltrans were required to authorize this work. Additional environmental work is also required (see Task T2.15). Actual potholing and survey of the work is being accomplished by the County. The level of effort is higher than originally scoped due to the additional effort for preparing plans, obtaining approvals, encroachment permits and coordinating the implementation of the potholing.
- After the initial field visits, additional field visits, coordination and file conversion and sharing are required to finalize relocation plans and agreements with SCE at two locations on the project. Coordination with SCE requires additional work beyond that anticipated by the original scope.
- Separate figures beyond the project plans were requested and prepared for the gas company demonstrating the relationship between the proposed improvements and the SCG facilities. Coordination and preparation of separate deliverables to SCG require additional work beyond that anticipated by the original scope and budget.
- Coordinate additional potholing for Phase 2 project by producing exploration plans and areas of impact regarding burrowing owls. Revising exploration plans as conflict plans, changing potholing to a bid item for Phase 2.

**G. (Task T2.15) – CE/CE Utility Potholing - \$10,392.82**

This task is a new task required for support of potholing for positive utility locating for Verizon buried fiber conduits. Environmental clearance work for non-project exploration such as utility potholing are not included in the project work or scope. The associated budget for this task is \$10,392.82. This task includes the preparation of a biological compliance memo in support of Caltrans' preparation of a CE/CE for the Verizon Potholing.

**H. (Task T2.EX) – Phase 2 Direct Expenses - \$14,073.74**

The scope of this task has been modified and the associated budget needs to be increased by \$14,073.74 for the following reasons:

The original and Amendment 1 estimates did not address the costs associated with printing the multiple supplemental submittals that will be required during the PS&E phase. Expenses will be invoiced at actual costs with direct receipt backup.

**PHASE 3**

**I. – Bid Support Task - \$8,647.99**

The scope of this task has been modified and the associated budget needs to be increased by \$8,647.99.

Additional bid support is anticipated due to expected overlap in bidding periods and scope for the two construction projects. In addition, the budget for this task was previously reduced to provide support for the Gap Closure Project which is now complete.

**PHASE 4**

**J. – Construction Support Task - \$39,145.43**

The scope of this task has been modified and the associated budget needs to be increased by \$39,145.43.

Additional construction support is anticipated due to environmental and right of way agreement terms for the project that will require active coordination during construction with agencies and landowners. Additional coordination is expected during construction because of the overlap of the two project segments, requirements for coordination with land owners for utility, staging and construction elements. In addition, the budget for this task was previously reduced to provide support for the Gap Closure Project which is now complete. This task also includes project management during Phase 4 construction, anticipated from March 2012 and March 2013.

CH Task Number	Contract Task Number	Task	Original Hours	Original Budget	Amendment A Hours	Amendment A Budget	Amendment 1 Hours	Amendment 1 Budget	Amendment 2 Hours	Amendment 2 Budget	Total Proposed Hours	Total Proposed Budget
<b>PRELIMINARY ENGINEERING</b>												
T1 PE 01 PM	A111 A	Project Management	1,620	\$195,095.85			583	\$62,973.28			2,203	\$278,069.13
T1 PE 01 CA	A111 B	Cost Accounting	120	\$10,846.73				\$0.00			120	\$10,846.73
T1 PE 01 SH	A111 C	Scheduling	148	\$19,257.40			62	\$11,031.88			210	\$30,289.28
T1 PE 01 PR	A111 D	Progress Reporting	120	\$15,972.93			56	\$8,995.28			176	\$24,968.21
T1 PE 02	A111 A	Data Gathering	144	\$12,075.83				\$0.00			144	\$12,075.83
T1 PE 03	A111 C	Permits	200	\$16,364.25				\$0.00			200	\$16,364.25
T1 PE 04	A111 D	Surveys	16	\$2,093.87				\$0.00			16	\$2,093.87
T1 PE 05	A111 E	Hydrology Report	32	\$46,007.74			364	\$34,364.23			396	\$80,371.97
T1 PE 06	A111 F	Geotechnical	262	\$50,527.53	182	\$30,441.19		\$0.00			454	\$80,968.72
T1 PE 08	A111 H	Project Report	456	\$43,503.38			334	\$40,470.58	133	\$15,919.37	923	\$99,893.33
T1 PE 09	A111 J	GADs	328	\$32,858.02				\$0.00			328	\$32,858.02
T1 PE 10	A111 J	ROW Requirements	156	\$15,115.59			471	\$50,004.48			627	\$65,120.05
T1 PE 11	A111 K	Utility Coordination	74	\$6,233.13			162	\$19,208.25			236	\$19,441.39
T1 PE 12	A111 L	Design Exceptions	256	\$24,065.22				\$0.00			256	\$24,065.22
T1 PE 13	A111 M	TMP	208	\$26,254.43				\$0.00			208	\$26,254.43
T1 PE 14	A111 N	Agreements	96	\$9,320.30				\$0.00			96	\$9,320.30
T1 PE 15	A111 O	Cost Estimates	232	\$23,087.29				\$0.00			232	\$23,087.29
T1 PE 16		Western Shift Engineering					1,640	\$187,855.49			1,640	\$187,855.49
T1 PE 17		ROW Data Sheets			704	\$63,992.09	(170)	-\$14,280.00			534	\$49,712.09
T1 PE 18		Title Reports (Epic Lands)					306	\$25,398.00			306	\$25,398.00
<b>ENVIRONMENTAL</b>												
T1 TE 01	A111 G.1	Project Description	240	\$24,324.50			617	\$65,268.93			857	\$90,593.43
T1 TE 02	A111 G.2	Landowner Access	278	\$28,439.80	183	\$19,400.40	(183)	-\$19,400.40			278	\$28,439.80
	A111 G.3	Technical Studies										
T1 TE 04 01		Air Quality	330	\$30,827.68			274	\$32,640.88			604	\$63,468.56
T1 TE 04 02		Biological Resources	354	\$87,029.90	392	\$42,042.85	1,166	\$113,497.55			1,912	\$242,570.30
T1 TE 04 03		Cultural Resources	106	\$90,181.69	288	\$39,916.71	578	\$55,674.28			972	\$185,772.63
T1 TE 04 06		Noise	324	\$36,855.89			665	\$75,758.57			989	\$112,625.56
T1 TE 04 07		Traffic	232	\$24,540.19			40	\$7,702.42			272	\$32,242.61
T1 TE 04 09		MSHCP Coordination	116	\$15,107.75				\$0.00			116	\$15,107.75
T1 TE 04 09		Hazardous Waste ISA					380	\$42,991.11			380	\$42,991.11
T1 TE 04 10		Relocation Impact Document/Statement			228	\$18,870.00		\$0.00			228	\$18,870.00
		Relocation - CH2M HILL				\$370.00		\$0.00				
		Relocation - Epic Lands			228	\$18,500.00		\$0.00				
	A111 G.4	EAIS										
T1 TE 05 01		Admin Draft EAIS	1,399	\$160,595.62			2,335	\$250,517.85			3,734	\$401,113.57
T1 TE 05 02		County Comments	142	\$14,365.19			180	\$24,078.30			322	\$38,443.49
T1 TE 05 03		Caltrans Comments (First Version)	144	\$14,199.30				\$0.00			144	\$14,199.30
T1 TE 05 04		Caltrans Comments (Second Version)	115	\$11,785.19				\$0.00			115	\$11,785.19
T1 TE 05 05		FHWA Comments (First Version)	130	\$12,788.56				\$0.00			130	\$12,788.56
T1 TE 05 06		FHWA Comments (Second Version)	114	\$11,377.80				\$0.00			114	\$11,377.80
T1 TE 05 07		Public Draft EAIS	118	\$10,399.55				\$0.00			118	\$10,399.55
T1 TE 05 08		Draft Final EAIS	172	\$19,036.19				\$0.00			172	\$19,036.19
T1 TE 05 09		County Comments	102	\$10,731.15				\$0.00	66	\$8,629.44	238	\$27,665.63
T1 TE 05 10		Caltrans Comments (First Version)	100	\$10,664.85				\$0.00	186	\$25,070.01	286	\$35,734.86
T1 TE 05 11		Caltrans Comments (Second Version)	82	\$8,642.13				\$0.00			82	\$8,642.13
T1 TE 05 12		FHWA Comments (First Version)	74	\$7,733.42				\$0.00			74	\$7,733.42
T1 TE 05 13		FHWA Comments (Second Version)	66	\$6,679.34				\$0.00			66	\$6,679.34
T1 TE 05 14		Final EAIS & FONSI/MND	78	\$7,078.44				\$0.00	108	\$13,302.46	186	\$20,380.90
T1 TE 06	A111 G.5	Public Notices	80	\$7,565.82				\$0.00			80	\$7,565.82
T1 TE 07	A111 G.6	Public Meetings	144	\$14,928.73			20	\$2,032.97			164	\$16,961.70
T1 TE 08	A111 G.7	Mitigation Monitoring Program	64	\$6,856.82				\$0.00			64	\$6,856.82
T1 TE 09 01	A111 G.8	Wetland Delineation	228	\$24,209.31			158	\$17,802.28			384	\$42,011.59
T1 TE 09 02	A111 G.8	404 NWP Permit	160	\$17,192.80				\$0.00			160	\$17,192.80
T1 TE 09 03	A111 G.8	401 Certification	62	\$6,948.78				\$0.00			62	\$6,948.78
T1 TE 09 04	A111 G.8	SA	88	\$9,285.22				\$0.00			88	\$9,285.22
T1 TE 09 05	A111 G.8	Conceptual Mitigation Plan	144	\$14,458.07				\$0.00			144	\$14,458.07
T1 TE 10	A111 G.9	QA/QC	150	\$23,022.92				\$0.00			150	\$23,022.92
T1 TE 11		West Shift Environmental					622	\$75,697.49			622	\$75,697.49
T1 TE 13		CE for Gap Closure					912	\$102,791.69			912	\$102,791.69
T1 TE EX		Expenses		\$19,266.25				\$82,184.82		\$8,600.00		\$110,651.07
		Totals for PRIED	10,403	\$1,325,291.39	2,230	\$214,663.24	11,209	\$1,370,301.37	493	\$71,521.29	24,505	\$2,861,777.29
<b>FINAL PS&amp;E</b>												
T2 01		Project Administration	460	\$61,856.02				\$0.00	358	\$40,076.42	818	\$101,932.44
T2 02	AIV A	Roadway Plans	720	\$76,185.28				\$0.00			720	\$76,185.28
T2 03	AIV B	Drainage Plans	580	\$69,497.93			(531)	-\$54,862.75			149	\$14,635.17
T2 04	AIV C	Geotechnical	556	\$109,659.76			(556)	-\$109,659.76				\$0.00
T2 05	AIV D	Traffic Signal Plans	40	\$4,291.13				\$0.00			40	\$4,291.13
T2 06	AIV E	Final ROW Requirements	384	\$41,785.05				\$0.00			384	\$41,785.05
T2 07		65% Submittal	910	\$93,801.46				\$0.00			910	\$93,801.46
T2 08	AIV G	Specs and Estimate	440	\$44,931.91				\$0.00			440	\$44,931.91
T2 09		85% Submittal	949	\$109,776.82				\$0.00	1,658	\$197,690.52	2,607	\$307,467.34
T2 10	AIV J	100% Submittal	400	\$44,700.91				\$0.00	876	\$105,935.54	1,276	\$150,636.45
T2 11		Gap Closure Project PS&E					1,006	\$120,349.84			1,006	\$120,349.84
T2 12		ROW Mapping						\$57,085.33				\$57,085.33
T2 13		Life Cycle Cost Analysis						\$0.00				\$0.00
T2 14		Utility Coordination						\$0.00	118	\$12,516.25	118	\$12,516.25
T2 15		CE/ICE Utility Potholing						\$0.00	60	\$10,392.82	60	\$10,392.82
T2 EX		FINAL DESIGN EXP		\$1,771.64				\$10,000.00				\$11,771.64
T2 FP		FPL & ASSOCIATES		\$48,203.14				-\$48,203.14				\$0.00
T2 WR		WRECO		\$132,600.00				-\$132,600.00				\$0.00
		Escalation for 2 year delay in project						\$37,414.48				\$37,414.48
		Totals for PS&E	5,539	\$839,060.03		\$0.00	(637)	-\$120,495.01	3,090	\$380,685.29	8,548	\$1,099,250.33
<b>BID SUPPORT</b>												
T3 01	AV	Bid Support	109	\$12,532.74				\$0.00	62	\$8,647.99	171	\$21,180.74
<b>CONSTRUCTION SUPPORT</b>												
T4 01	AVI	Construction Support	378	\$43,685.47				\$0.00	304	\$39,145.43	682	\$82,830.90
		Contingency		\$222,056.97		-\$214,663.24						\$7,393.73
		TOTAL:	16,429	\$2,442,628.62	2,230	\$0.00	10,572	\$1,249,806.36	3,949	\$500,000.00	33,908	\$4,192,432.99