

FORM APPROVED COUNTY COUNSEL 12/8/14  
 BY: GREGORY P. PRIAMOS DATE

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

610A



**FROM:** TLMA – Transportation

**SUBMITTAL DATE:**  
 November 24, 2014

**SUBJECT:** Amendment to the Engineering Services Agreement with CH2M HILL, Inc., for the Design and Construction Support Phases of the Clinton Keith Road Extension Project. 3<sup>rd</sup> District; [\$4,553,005]; Local Funds 100%

**RECOMMENDED MOTION:** That the Board of Supervisors:

1. Approve Amendment No. 5 to the Engineering Services Agreement between CH2M HILL, Inc. and the County of Riverside (Agreement No. 02-02-005); and
2. Authorize the Chairman of the Board to execute the same.

**BACKGROUND:**

**Summary**

On March 5, 2002 (Item 3-41), the Board of Supervisors approved the Engineering Services Agreement with CH2M HILL, Inc. for the preparation of environmental documentation and preliminary engineering for the extension of Clinton Keith Road between Antelope Road and State Route (SR-79).

*Patricia Romo*

Patricia Romo  
 Assistant Director of Transportation  
 for Juan C. Perez  
 Director of Transportation and Land Management

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost:	POLICY/CONSENT (Per Exec. Office)
<b>COST</b>	\$ 198,192	\$ 198,192	\$ 4,553,005	\$ 0	Consent <input type="checkbox"/> Policy <input checked="" type="checkbox"/>
<b>NET COUNTY COST</b>	\$ 0	\$ 0	\$ 0	\$ 0	

**SOURCE OF FUNDS:** Developer Contributions - 100%  
**Budget Adjustment:** NA  
**For Fiscal Year:** 14/15, 15/16

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

APPROVE  
 BY: *Tina Grande*  
 Tina Grande

County Executive Office Signature

**MINUTES OF THE BOARD OF SUPERVISORS**

- A-30
- Positions Added
- 4/5 Vote
- Change Order

**Prev. Agn. Ref.:** 3/5/02, Item 3-41; 11/2/04, Item 3-30; 12/19/06, Item 3-46; 11/2/10 Item 3-51; 12/4/12, Item 3-30

**District:** 3

**Agenda Number:**

**3-41**

Departmental Concurrence

**SUBMITTAL TO THE BOARD OF SUPERVISORS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**  
**FORM 11** Amendment to the Engineering Services Agreement with CH2M HILL, Inc., for the Design and Construction Support Phases of the Clinton Keith Road Extension Project. 3<sup>rd</sup>/3<sup>rd</sup> District; [\$4,553,005]; Local Funds 100%

**DATE:** November 24, 2014

**PAGE:** 2 of 3

**BACKGROUND:**

**Summary (continued)**

On November 2, 2004 and on December 19, 2006, the Board of Supervisors approved Amendment No. 1 and Amendment No. 2, which modified the scope to incorporate additional environmental tasks and to provide final engineering design services necessary to prepare plans, specifications, and estimates. On November 2, 2010, the Board of Supervisors approved Amendment No. 3, which extended the termination date to June 30, 2014, in order to continue with design activities, support right-of-way acquisition, and develop construction strategies and support.

The Clinton Keith extension project improvements provide for a new six lane roadway between Interstate 215 (I-215) and SR-79. In an effort to expedite the completion of this new connection with the limited funding available, the Transportation Department made the decision to construct the project in multiple phases. The City of Murrieta completed the construction of the Clinton Keith Road segment between I-215 and Whitewood Road in 2012, and the segment between Trois Valley and Leon Road was completed as part of the DR Horton development. The next phase will be to construct the connection between Whitewood Road and Trois Valley.

On December 4, 2012, the Board of Supervisors approved Amendment No. 4, which modified the contract scope to include the revision of the environmental documents and design plans for the next phase of work. The major revisions to the scope of services included additional design tasks to develop plans and specifications, for the construction of the south half of the roadway between Whitewood Road and Trois Valley, and to prepare an addendum to the approved Environmental Impact Report (EIR) to document changed site conditions.

Amendment No. 5 will modify the contract scope due to additional environmental and design requirements as described in two components below:

- Changed project site conditions, including newly created wetlands, additional jurisdictional drainages, new riparian areas, and unidentified cultural resources require additional studies, MSHCP consistency reviews, permit applications, and design changes to avoid cultural findings and mitigate impacts.
- Additional design work for the preparation of bid documents for constructing a four lane facility as an alternate bid instead of the proposed two lane facility. This effort includes additional traffic, air, hydrology, and drainage analysis to be included in the EIR addendum. The four lane facility will provide additional capacity and will potentially help reduce traffic on adjacent roadways. Additional plans, specifications, and estimates must be prepared for the alternate bid. Based on bid prices and available funding, the department will select the appropriate alternative to proceed with.

**Budget Summary:**

Current Contract	\$4,156,622
Amendment No. 5	<u>\$ 396,383</u>
Total Contract	\$4,553,005

Construction is expected to begin in mid-2015.

**SUBMITTAL TO THE BOARD OF SUPERVISORS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA  
FORM 11** Amendment to the Engineering Services Agreement with CH2M HILL, Inc., for the Design and Construction Support Phases of the Clinton Keith Road Extension Project. 3<sup>rd</sup>/3<sup>rd</sup> District; [\$4,553,005]; Local Funds 100%

**DATE:** November 24, 2014

**PAGE:** 3 of 3

**Impact on Residents and Businesses**

The Clinton Keith Road Extension Project will benefit the public by providing an alternative arterial road between SR-79 and I-215 in the French Valley/Murrieta area. The road will reduce travel times and congestion relief along the existing roadways.

**SUPPLEMENTAL:**

**Additional Fiscal Information**

The additional environmental and design phase is fully funded by developer contributions.

**Contract History and Price Reasonableness**

This amendment has been negotiated to reflect standard industry costs for engineering services. The scope of work and schedule have been reviewed to ensure that the cost of services address the tasks that need to be completed for timely completion. Savings in excess of 10% from the original estimate have been realized by negotiating costs and by planning critical path activities to minimize review cycles.

**ATTACHMENTS:**

Amendment No. 5

Attachment "A" – Scope of Work

Attachment "B" – Salary Rates

AMENDMENT NO. 5

AMENDMENT TO AGREEMENT BETWEEN

THE COUNTY OF RIVERSIDE AND CH2M HILL, INC.

FOR ENGINEERING SERVICES ON THE CLINTON KEITH ROAD – I-215 TO SR-79 PROJECT

THIS AMENDMENT NO. 5 (hereinafter the "Amendment") to an agreement is made and entered into as of this \_\_\_\_\_ day of \_\_\_\_\_, 2015, 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 Clinton Keith Road – I-215 to SR-79 project between the County of Riverside • Transportation Department and CH2M HILL, Inc.," that is dated March 5, 2002, and amended on November 2, 2004, December 19, 2006, November 2, 2010, and December 4, 2013 (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, and estimates.
B. The parties desire to supplement the current Agreement to include additional services for the two lane facility, modify the scope of services to increase the scope to include an alternate four lane facility as an alternate bid, modify the contract salary rates, and increase the contract budget.

AGREEMENT

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

- 1. The current contract budget of \$4,155,156.00 shall be increased by \$396,383.00 including contingencies to \$4,551,539.00 as provided below:

Two Lane Facility:

- Phase 1 - amend the Environmental Impact Report (EIR) due to cultural and biological resources not previously identified including additional analyses.
Phase 2 - design modifications required to address City of Murrieta requirements, update the bridge design to accommodate utility openings, and to address constructability review comments.
Increase the budget by \$173,954 to cover these tasks.

1           Four Lane Facility Alternate Bid:

- 2           • Phase 1 - update the EIR addendum to include changes to the project description and any affected
- 3           analyses (traffic, air, noise, water quality/hydrology) for the four lane facility as an alternate bid to the
- 4           currently designed two lane facility.
- 5           • Phase 2 - prepare Plans Specifications and Estimates for a four lane alternate bid.
- 6           • Phase 3 - provide bid support services for the alternate bid.
- 7           • Increase the budget by \$222,428 to cover these tasks.

8           Detailed descriptions of the extra work and summaries of the requested and recommended budget

9           adjustments are provided in Attachment "A" of this Amendment.

- 10          2. The existing billing rates as approved in Amendment No. 1 on November 2, 2004, Article C II B, is
- 11          amended to reflect CH2M HILL's current billing rates as identified in Attachment "B" of this Amendment.
- 12          3. Except to the extent specifically modified or amended hereunder, all of the terms, covenants, and
- 13          conditions of the Agreement as approved on dated March 5, 2002, and amended on November 2, 2004,
- 14          December 19, 2006, November 2, 2010, and December 4, 2013 shall remain in full force and effect
- 15          between the parties hereto.

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

17          this day and year first written above.

ARTICLE VII • APPROVALS

COUNTY Approvals

RECOMMENDED FOR APPROVAL:

 Dated: 12/2/14

JUAN C. PEREZ

Director of Transportation and Land Management

**Patricia Romo**  
Assistant Director of Transportation

APPROVED AS TO FORM:

County Counsel

 Dated: 12/8/14

By Deputy

APPROVAL BY THE BOARD OF SUPERVISORS

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

PRINTED NAME

Chairman, Riverside County Board of Supervisors

ATTEST:

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

KECIA HARPER-IHEM

Clerk to the Board of Supervisors (SEAL)

ENGINEER Approvals

ENGINEER:

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

PRINTED NAME

TITLE

ENGINEER:

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

PRINTED NAME

TITLE

**Attachment A**  
**SCOPE OF WORK**

# Clinton Keith Road Extension Project

## Amendment No. 5 with Alternate Bid

### Scope of Work

November 17, 2014

#### Introduction

This Amendment No. 5 is submitted to cover out of scope work tasks and to be able to continue environmental and design support of the Clinton Keith Road Extension Project (Project) for the Riverside County Transportation Department (RCTD).

This Amendment is required in order to incorporate additions to the scope of work for the current CH2M HILL INC Engineering and Environmental Services Agreement.

The following describes the reasons why the additional compensation is necessary, and the additional scope of work for each task that is involved in this Amendment. The cost associated with each of these Tasks is attached.

#### **PHASE 1 (PA&ED)**

##### **Engineering and Management Tasks - \$58,232.67**

###### **A. (Task T1.01) – Project Administration/Project Management - \$8,253.45**

The scope of these tasks has been modified and the associated budget needs to be increased by a total of \$8,253.45 for the following reasons:

Our current contract had a completion date of December 2013. Additional project management is needed to cover Phase 2 and Phase 3 costs until June 2016.

Also, attendance at monthly meetings with the environmental team was required to discuss project issues and schedule to keep the project on track. These meetings were not anticipated as part of the original Amendment and all Project Management and Administration efforts were anticipated to be completed by December 2013. Additional budget for Phase 1 (PA/ED) is needed to provide these services through June 2016.

###### **B. (Task T1.07.01) – EIR Addendum - \$22,213.92**

The cost associated with this task is \$22,213.92. An EIR Addendum is needed based on the following reasons:

An EIR Addendum is needed and was scoped to be completed with Amendment 4 to include analyses associated with one newly created wetland area within the Project footprint and construction phasing. Due to construction improvements, adjacent to the project, that occurred after the wetland delineation was conducted, existing conditions and topography of the project area have changed and additional jurisdictional drainages were created. These include



improvements at the high school that have caused new riparian areas to the northeast of Whitewood, the area to the south of Clinton Keith and west of Trois Valley that has been created from the developments detention basin, and the new pipe that was added from the Regency project near SR79.

In addition to the new wetland areas, recent field studies identified several previously unidentified cultural resources within the project footprint that must be included in the EIR Addendum. Additional scope is needed to address these wetland and cultural resources as follows:

- Need to include additional impact calculations and associated text/tables for 16 jurisdictional water features based on ICF's JD Report. These were created from recent construction and topography changes of the project area.
- Need to include additional GIS figures for 16 jurisdictional water features. These were created from recent construction and topography changes of the project area.
- Need to include updated impacts and associated text/tables for cultural findings for entire project.
- Need to include additional GIS figures for cultural section of EIR Addendum
- Update mitigation sections of Biological Resources and Cultural Resources

Submittals:

- Draft EIR Addendum and Final EIR Addendum needs to be updated to include these resources.

Addendum Assumptions:

- The environmental footprint will remain the same as that presented in the January 2006 Supplemental EIR
- No public circulation will occur for the EIR Addendum
- In addition to the assumptions listed above, approval of the EIR Addendum will be achieved after addressing no more than one round of review comments on the Draft EIR Addendum unless additional review(s) are due to quality of the deliverables.

**C. (Task T1.07.03) – Agency Coordination for Joint Project Review and MSHCP Consistency - \$9,529.47**

The cost associated with this task is \$9,529.47. Due to construction improvements, adjacent to the project, that occurred after the wetland delineation was conducted, existing conditions and topography of the project area have changed and additional jurisdictional drainages were created. These include improvements at the high school that have caused new riparian areas to the northeast of Whitewood, the area to the south of Clinton Keith and west of Trois Valley that has been created from the developments detention basin, and the new pipe that was added from the Regency project near SR79. An updated Joint Project Review (JPR)/MSHCP Consistency will need to take place and was scoped with Amendment 4, however, additional work is required for the following reasons:

- Additional impact calculations for MSHCP Riparian/Riverine resources based on updated findings in ICF's Jurisdictional Delineation Report will need to be incorporated. These were created from recent construction and topography changes of the project area.
- New figures will need to be created for these additional sites that were created from recent construction and topography changes of the project area.
- Associated text will need to be updated.
- Coordination with ICF for data sharing.
- Identify additional mitigation measures for DBESP based on ICF Jurisdictional Delineation Report. (Note: Amendment 4 only assumed mitigation was needed for the Leon Rd wetland area).

**Amendment Assumptions:**

- This scope includes one site visit with the wildlife agencies
- Approval of the Final Joint Project Review Package will be achieved after addressing no more than one round of review comments on the Draft Joint Project Review Package.

**D. (Task T1.07.04) – Permit Applications - \$8,949.44**

The cost associated with this task is \$8,949.44. Due to construction improvements, adjacent to the project, that occurred after the wetland delineation was conducted, existing conditions and topography of the project area had changed and additional jurisdictional drainages were created. These include improvements at the high school that have caused new riparian areas to the northeast of Whitewood, the area to the south of Clinton Keith and west of Trois Valley that has been created from the developments detention basin, and the new pipe that was added from the Regency project near SR79. Updated permit applications are needed to re-submit to the CDFW, Regional Water Quality Control Board (RWQCB), and the Army Corps of Engineers (ACOE) based on changes in impacts to waters of the U.S./state. Additional work is needed based on the following reasons:

- Although Amendment #4 covered permits for both east and west sides, the direction from RCTD was to use the existing 401 and existing Operation of Law Letter from CDFW for the west side and only pursue obtaining the 404 permit (using the 2004 JD and existing 401). The off-site mitigation was supposed to remain the same as well, however, the Santa Margarita In-Lieu fee program no longer exists (which was the

proposed off site mitigation for the project as stated in the 2006 JD and CDFW Op Law Letter). For the east side, the only area that was supposed to be included in the permit package was 1 wetland area near Leon. However, after RCTD contracted ICF to update the JD for the entire alignment, there were several drainages added to both the west and east sides. As a result, additional effort, above and beyond what would have been required to permit both the west and east sides under the previous scenario, is required to update the permit package for the west side. This includes additional coordination with the agencies to describe changes in the project description, updated impacts and including information on any updated off-site mitigation areas.

- Additional jurisdictional delineation areas will need to be included for the west side permit applications. These were created from recent construction and topography changes in the project area.
- Updated impact calculations and associated figures for jurisdictional areas on the west side (CDFW SAA, 401 Permit, Nationwide 404 Permit) will need to be included in the application. These were created from recent construction and topography changes of the project area.
- Additional coordination with RWQCB and ACOE will need to occur to identify if the existing 401 may be used
- Additional coordination with CDFW will need to occur due to the change in the Project Description and mitigation opportunities since the Operation of Law Letter was issued. This includes a new application.
- Additional coordination efforts with ICF will need to be made
- Updated mitigation options may need to be included in the permit application package

Submittals:

- Streambed Alteration Agreement permit package was included in Amendment 4
- Regional Water Quality Control Board 401 permit package was included in Amendment 4
- Army Corps of Engineers Nationwide 404 permit package was included in Amendment 4

Addendum Assumptions:

- The scope of this task includes a maximum of 3 site visits to account for differing availability among the three permitting agencies.
- Permits would still be split into East/West sections as previously proposed. As such, the west side impacts would fall under a Nationwide 14. The east side impacts would increase due to the newly created wetlands that connect to French Valley Creek, and an increase in wetland habitat at French Valley.

- CH2M HILL will prepare the permit packages for the CDFW Streambed Alteration Agreement, the RWQCB 401 permit, and the Nationwide 404 Permit for impacts associated with the west side (from Whitewood Road to Trois Valley Street)
- ICF will be preparing the permit packages for the CDFW SAA, RWQCB 401 Permit, and an Individual 404 Permit for the east side of the Project and the associated NEPA document (from Trois Valley Street to SR 79)
- All permit fees would be the responsibility of RCTD.
- RCTD will identify any new mitigation sites and submit that information to CH2M Hill for inclusion in the permit packages.
- Approval of the final permit packages will be achieved after addressing no more than one round of review comments on each draft permit package from RCTD unless additional review(s) are due to quality of the deliverables.

**E. (Task T1.07.06) – Updated Cultural Studies - \$9,286.39**

The cost associated with this task is \$9,286.39. Since the Supplemental EIR was approved in 2006, an updated records search was needed to ensure that impacts to cultural resources did not change. Additionally, to comply with mitigation measure CR-1 in the Supplemental EIR, a Late Discovery Archaeological Treatment Plan (LDATP) needed to be prepared.

Also, as part of the Section 404 permitting process, the Army Corps of Engineers must initiate the Section 106 of the National Historic Preservation Act process. Section 106 requires Federal agencies and their authorized designees to consider the effects of their undertakings on archeological and historic properties listed on or eligible for the National Register of Historic Places. This task includes time to initiate the request to the Army Corps for Section 106 compliance.

Since Amendment 4, cultural field studies were conducted. In the Phase I study, additional cultural sites were discovered and a Phase II analysis had to be performed. Additional scope is needed for the following reasons:

- Unanticipated meetings with the tribes to discuss the cultural findings.
- Exhibits had to be prepared with the new cultural findings.
- Mitigation options had to be reviewed for avoidance of the new cultural findings.
- Field visits with the tribes had to occur to discover the significance of the cultural findings.

**Submittals:**

CH2M HILL does not have any submittals for cultural resources since Applied Earthworks (AE) was hired by RCTD separately; however, the CH2M HILL level of effort has increased since previously unidentified cultural resources have been found within the project footprint. CH2M HILL will update engineering plans to reflect proposed mitigation for cultural resources. CH2M HILL will also attend future tribal coordination meetings.

Under this task, AE prepared a Draft and Final Paleontological Memo and consulted with RCTD and CH2M HILL staff on the results and preparation of the Cultural Resources Survey Reports. They also prepared graphics for the Cultural Resources Survey Report. AE reviewed the 2006 EIR and associated cultural and paleontological studies and prepared a draft Project Area Map under this task. They also submitted a records search request to Eastern Information Center and a Paleontological records search request to the San Bernardino County Museum.

A Late Discovery Archaeological Treatment Plan (LDATP) is no longer the proposed mitigation, and therefore will not be submitted. This conclusion was made upon completion of work by AE under this task. Instead of a LDATP, new, and unforeseen, mitigation measures had to be developed through coordination with CH2M Hill and AE and shown on the engineering plans and identified in the CEQA document. Additionally, CH2M Hill had to coordinate with AE in order to update the Survey Area Map since Phase 1 Studies were now being conducted. Therefore, although the LDATP is no longer a component of this task, the work associated with creating a new Survey Area Map and identifying new mitigation measures would replace the work associated with this task.

Addendum Assumptions:

- This scope assumes AE will prepare any and all cultural reports for submittal to RCTD.
- Army Corps has determined that the Section 106 Area of Potential Effect for the permit actions will be the entire project limits. Applied Earthworks will coordinate Section 106 efforts with RCTD and Army Corps of Engineers.
- CH2M Hill will provide engineering plans for purposes of coordination efforts with tribes and other agencies as needed by AE

The previous amendment assumed no cultural resources would be found that weren't previously identified in the Supplemental EIR dated January 2006.

## **PHASE 2 (PS&E)**

### **Engineering and Management Tasks - \$99,907.31**

#### **F. (Task T2.10.PM) – Project Administration/Project Management - \$16,376.40**

The scope of these tasks has been modified and the associated budget needs to be increased by a total of \$16,376.40 for the following reasons:

The original contract and Amendments included project management efforts through December 2013. Additional Project Management and Administration efforts for Phase 2 and Phase 3 (PS&E) need to be provided for the duration of the roadway design through June 2016.

#### **G. (Tasks T2.10.01) – Additional Roadway Design Tasks - \$55,541.80**

The scope of this task has been modified and the associated budget needs to be increased by \$55,541.80 for the following reasons:

Additional work in support of new comments received by the City of Murrieta, new requests by the County, and impact mitigations to avoid cultural findings, require the following additional work:

- Add solar lighting into the bridge and wildlife overcrossing and coordination with OCS Lighting & Control, Inc. solar company for additional details to be added to the plans.
- Incorporate changes to the roadway, drainage, grading, erosion control and striping plans from Whitewood Rd to Menifee Rd as requested by the City of Murrieta. These plans were received after the final submittal of plans in September 2013
- Add a 5' wide parkway between curb and sidewalk from Whitewood Rd to Menifee Rd per the request of City of Murrieta. This request was made after the final submittal of plans in September 2013.
- Add a maintenance access road to a culvert at station 254+00 as requested by the City of Murrieta. This request was made after the final submittal of plans in September 2013.
- City requested ultimate improvements be shown along the north side of the intersection of Whitewood Rd. The roadway plans, grading, erosion control and striping was updated to accommodate this. These were changes/requests that were made after the final submittal of plans in September 2013.
- Due to cultural findings on the project, additional temporary ESA fencing needs to be placed on the plans to avoid significant cultural resources.
- Add a retaining wall near station 290+00 to avoid cultural sites for mitigation. This wall is approximately 300' in length with a maximum height of 22'.
- Add ESA fencing to accommodate jurisdictional water features identified by ICF.
- Additional field visits and additional coordination meetings with the tribes to discuss cultural findings. This included preparation for the meetings with exhibits to show cultural sites and mitigation efforts the County was taking.
- Additional retaining wall along Briggs Rd, just north of French Valley Creek Bridge, to avoid impacts to existing Briggs Rd since the DR Horton water crossing is not being built.
- Revise cost estimates for all roadway features, including drainage revisions for filter systems and rock slope protection at the swales.
- Additional quantity take-offs and cost estimates prepared for retaining wall used for cultural mitigation, ESA fencing, and changes requested by the City of Murrieta.

Submittals:

- One final submittal package of Phase 2 will be provided to address additional changes to the plans requested by the County, the City of Murrieta and to accommodate cultural findings.
- One final submittal package of Phase 3 will be provided to address additional changes to the plans requested by the County, the City of Murrieta and to accommodate cultural findings.

Addendum Assumptions:

- No additional submittals will be made unless additional review(s) are due to quality of the deliverables.

**H. (Tasks T2.10.02) – Additional Drainage Design Tasks - \$18,314.15**

The scope of this task has been modified and the associated budget needs to be increased by \$18,314.15 for the following reasons:

Additional work was needed to support the City of Murrieta's request to follow their standards for the area between Whitewood Rd and Menifee Rd. This required the following additional work:

- Specific filter types of BMPs have to be installed in the catch basins within the City's boundaries. This included a Clearwater Solution at Whitewood Rd and a Kristar system at Menifee Rd. This request was made after the final submittal of plans in September 2013.
- Velocity calculations had to be prepared and sent to the City of Murrieta for review. This request was made after the final submittal of plans in September 2013.
- The City requested the terrace drains at each bench to be lined with concrete instead of native material. Changes to the roadway plans and drainage had to be updated. This request was made after the final submittal of plans in September 2013.
- The City requested the swales be lined with rock slope protection within the City boundaries. This request was made after the final submittal of plans in September 2013.

Submittals:

- One final submittal package of Phase 2 will be provided to address additional changes to the plans requested by the County and the City of Murrieta.
- One final submittal package of Phase 3 will be provided to address additional changes to the plans requested by the County and the City of Murrieta.

Addendum Assumptions:

- No additional submittals will be made unless additional review(s) are due to quality of the deliverables.

**I. (Tasks T2.10.05) – Additional Revisions to Specifications Tasks - \$4,950.72**

The scope of this task has been modified and the associated budget needs to be increased by \$4,950.72 for the following reasons:

Additional work in support of the recent changes by the City of Murrieta and the County will require the following additional work:

- Specifications will need to include filter systems and types required by the City of Murrieta.
- Specifications will need to include solar lighting by OCS Lighting & Control, Inc. and incorporation of their specs will need to be included in the overall spec package.
- Specifications will need to include updated biological and cultural mitigation measures.

Submittals:

- One final submittal package of Phase 2 will be provided to address additional changes to the plans requested by the County, the City of Murrieta and to accommodate cultural findings.

Addendum Assumptions:

- No additional submittals will be made unless additional review(s) are due to quality of the deliverables.

**J. (Tasks T2.10.06) – Additional Structure Design Tasks – \$4,724.24**

The scope of this task has been modified and the associated budget needs to be increased by \$4,724.24 for the following reasons:

Additional work in support of the completion of the Final Plans, Specifications and Estimates (PS&E) for Warm Springs Creek Bridge and French Valley Creek Bridge will include the following:

- Add new details from the utility companies for the utility openings in the superstructure of the bridge.
- Address new comments received from the constructability review.

Submittals:

- 100% Final PS&E submittal.

Assumptions:

- The structures length, width and other major features affecting the weight of the bridge will not be changed.



## **Four Lane Alternate Bid Scope of Work**

### **Introduction**

RCTD has requested CH2M HILL to prepare an Alternate Bid package for a four lane design of Clinton Keith Road from Whitewood Road to Trois Valley Street. This additional work request is submitted to cover out of scope work tasks in order to prepare this Alternate Bid package and to be able to continue environmental and design support of the Clinton Keith Road Extension Project (Project) for the Riverside County Transportation Department (RCTD).

This Amendment is required in order to incorporate additions to the scope of work for the current CH2M HILL INC Engineering and Environmental Services Agreement.

The following describes the reasons why the additional compensation is necessary, and the additional scope of work for each task that is involved in this Amendment. The cost associated with each of these Tasks is attached.

### **PHASE 1 (PA&ED)**

#### **Engineering and Management Tasks - \$47,275.53**

##### **A. (Task T1.01) – Project Administration/Project Management - \$6,248.42**

The scope of these tasks has been modified and the associated budget needs to be increased by a total of \$6,248.42 for the following reasons:

RCTD's decision to revise the project to include a full alternate bid package for a four lane design from Whitewood Rd to Trois Valley Street. Additional Project Management and Administration efforts are needed to cover the duration of the environmental tasks for the alternate bid package through June 2016.

##### **B. (Task T1.07) – Environmental - \$41,027.11**

The cost associated with this task is \$41,027.11. Additional work in support of this task is needed for the following reasons:

- The EIR Addendum, where applicable, would be updated to include changes to the project description, and any associated analysis, if an alternate bid package was selected.
- New GIS figures would need to be created for the changes in the alternate bid package.

- Review and update any tables associated with the changes from the alternate bid package.
- Include the updated traffic analysis for the 4-lane alternate bid into the EIR Addendum.
- Include the updated air quality analysis for the 4-lane bid into the EIR Addendum
- Include the updated water quality/hydrology section into EIR Addendum with the 4-lane alternate bid
- Publications to edit and process the updated document

Submittals:

- Draft EIR Addendum and Final EIR Addendum needs to be updated to include changes to the design from the alternate bid package.

Addendum Assumptions:

- The environmental footprint will remain the same as that presented in the January 2006 Supplemental EIR
- Two reviews are anticipated by County Counsel and one face to face meeting.
- A Supplemental EIR would not be required
- CH2M HILL will use the existing off-site mitigation as proposed in the 2008 HMMP. CH2M HILL will not be responsible for identifying new mitigation sites.
- No public circulation will be necessary for the EIR Addendum
- In addition to the assumptions listed above, approval of the EIR Addendum will be achieved after addressing no more than two rounds of review comments on the Draft EIR Addendum unless additional review(s) are due to quality of the deliverables.

## **PHASE 2 (PS&E)**

### **Engineering and Management Tasks - \$143,215.51**

#### **C. (Task T2.10.PM) – Project Administration/Project Management - \$15,621.04**

The scope of these tasks has been modified and the associated budget needs to be increased by a total of \$15,621.04 for the following reasons:

RCTD's decision to revise the project to include a full alternate bid package for a four lane design from Whitewood Rd to Trois Valley Street. Additional Project Management and Administration efforts are needed to cover the duration of the engineering tasks for the alternate bid package through June 2016.

#### **D. (Tasks T2.10) – Engineering - \$127,594.46**

The scope of this task has been modified and the associated budget needs to be increased by \$127,594.46 for the following reasons:

Additional work in support of an alternate bid package that will construct four lanes (two in each direction) and a 5' inside and outside shoulder along the outside (ultimate) roadway along Clinton Keith Road from Whitewood Road to Trois Valley Street. This will require the following additional work:

- Revise existing Title Sheet to cover the area from Whitewood Road to Leon Road.
- Revise existing typical sections to show two lanes of traffic in both the eastbound (EB) and westbound (WB) direction. Sidewalk will only be shown along the EB lanes and median will not be placed unless required for drainage. Callouts will be updated accordingly.
- Revise roadway layout plans to show pavement width that includes shoulders and pavements for two lanes in each direction along the outside (ultimate) curb line. Interim dike or curb may be required along the median for drainage. This would be removed during ultimate buildout. Intersection details and curb ramps would be updated.
- The ultimate retaining wall, along the north side of Clinton Keith Road, west of Trois Valley Street, will be added to the plans along with the frontage road that provides access to Southern California Edison's overhead electrical lines.
- Coordinate all roadway plans with the City of Murrieta.
- Construction Detail sheets will need to be updated for details on intersection design and elevations and updated curb ramp elevations and slopes to meet ADA standards.
- Drainage plans will need to be updated to include new pipes for drainage along the WB lanes and for the GLD's along the median of the superelevated portions of roadway.
- Drainage profiles will need to be updated for the new pipes and GLD's required along the WB lanes of roadway.
- Drainage details will need to be updated to include changes in details and tables for the four lane design.
- Contour Grading plans will be updated to show the ultimate grading through the superelevated portions of the roadway. For drainage purposes, the two lane design showed a crown section through the superelevated portions of roadway.
- Erosion Control plans will be updated for the new areas required to have erosion control which includes areas for the hydroseed mix, fiber rolls, and bonded fiber matrix.
- Additional utility coordination and support will be completed. RCTD will remain as the primary utility coordinator. CH2M HILL will support all efforts in the coordination of relocated facilities within the project limits.

- Signing and striping plans will need to be modified to include striping and signs for four lanes along the EB and WB lanes. Bike lanes will not be striped or signed as part of this four lane design.
- No street lighting plans will be prepared as part of this interim project.
- A traffic signal plan will be prepared at Menifee Road as part of this interim project.
- A traffic signal modification plan will be prepared at Trois Valley Street for this interim project.
- No traffic signal plan will be prepared at Leon Rd as part of this interim project.
- Cost estimates will be updated to account for changes in quantity take-offs for the alternate bid package, an update of unit prices and an update in bid item numbers.
- Specifications will be updated to include new or revised items from the alternate bid package.
- Specifications will need to include non-standard items and any modifications necessary to account for increased quantities and construction methods due to changes in the alternate bid package.

**Submittals:**

- One final submittal package will be provided to address additional changes to the plans requested by the County and the City of Murrieta.

**Addendum Assumptions:**

- No additional submittals will be made unless additional review(s) are due to quality of the deliverables.

## **PHASE 3 (Bid Support)**

### **E. (Task T3) – Bid Support Task - \$11,715.43**

The scope of this task has been modified and the associated budget needs to be increased by a total of \$11,715.43 for the following reasons:

RCTD's decision to revise the project to include a full alternate bid package for a four lane design from Whitewood Rd to Trois Valley Street. Additional Bid Support efforts are needed to cover the duration of the bid support tasks for the alternate bid package through June 2016.



**FPL and Associates, Inc.**  
10 Corporate Park, Suite 310  
Irvine, California 92606

Telephone: (949) 252-1688  
Facsimile: (949) 252-0088

Consulting Engineers • Traffic • Transportation • Civil • Facilities

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November 5, 2014

Job No.: 1089

CH2M Hill

No. of Pages: 2

**Attn: Ms. Alicia Cannon**  
1770 Iowa Avenue, Suite 200  
Riverside, CA 92507P

**SUBJECT:** PROPOSAL TO REVISE TRAFFIC SIGNAL DESIGN AT:  
• CLINTON KEITH ROAD & TROIS VALLEY STREET  
• CLINTON KEITH ROAD & MENIFEE ROAD  
County of Riverside, California

Dear Ms. Cannon:

FPL and Associates, Inc. (FPL) is pleased to submit for your consideration this fee summary for the design revisions to the proposed traffic signal plans at the subject locations in the County of Riverside.

The scope of this proposal is to provide traffic signal design plans for two separate bid packages, at the County's request. One package will be for the original 2-lane design at Trois Valley Street. The second bid package will be a new design showing a 4-lane configuration at Trois valley Street.

The second bid package will also contain design revisions to the traffic signal design at Clinton Keith Road & Menifee Road. He traffic signal design will be revised to reflect a reduced roadway width on Menifee Road.

Our scope is limited to the traffic signal plan revisions only. All submittals will be made to CH2M. We assume that CH2M will submit and process the plan through the County. FPL will revise plans based on review comments received from the County.

We assume revised plan geometric and striping base information will be provided to FPL by CH2M.

Our scope includes revising the specifications and construction cost estimate for the traffic signal, two (2) submittals for agency review, and comment resolution with the agency.

Our scope include attending two (2) meetings with the County.

Construction support is not included in our scope.

Field verification of existing conditions is not included in our scope.

Ms. Alicia Cannon  
Page 2  
November 4, 2014

We propose to provide the above-described scope of services for a lump-sum fee of **\$12,800**. The itemized fee summary is attached.

We are able to proceed on this project immediately upon receipt of a Notice to Proceed. If you have any questions or need more information, please feel free to give me a call.

Sincerely,  
FPL and Associates, Inc.

A handwritten signature in black ink, appearing to read 'Alex Zupanski', with a long horizontal flourish extending to the right.

Alexander D. Zupanski, P.E., T.E.  
Vice President – Traffic Design  
*alex.zupanski@fplandassociates.com*

Attachments: Fee Schedule

# FPL and Associates, Inc.

10 Corporate Park, Suite 310 • Irvine, California 92606 • (949) 252-1688 • Fax: (949) 252-0088

## FEE SCHEDULE FOR ENGINEERING SERVICES

**Client:** County of Riverside  
**Prime:** CH2M Hill  
**Project:** Traffic Signal Design Revisions - Clinton Keith Road & Trois Valley Street; Clinton Keith Road & Menifee Road

**Date:** November 05, 2014  
**Job No.:** 1089

### Summary of Proposed Services

Revise traffic signal plans at Clinton Keith Road & Trois Valley Street and Clinton Keith Road & Menifee Road.  
 Provide two separate bid packages.

TASK DESCRIPTION	FIRM		FPL		FPL		FPL		FPL		TOTAL (Hours)	TOTAL (\$)
	Sheet Count	Hrs / Sheet	Project Manager	Project Engineer	Associate Engineer	Assistant Engineer	Hrs / Sheet	Hours	Hrs / Sheet	Hours		
<b>ENGINEERING TASKS</b>												
<b>1.0 IMPROVEMENT PLANS (PS&amp;E)</b>												
1.1 Traffic Signal Plan (Clinton Keith & Trois Valley) (Revise)	1	4.0	4.0	8.0	12.0	12.0	12.0	24.0	3.560	24.0	24.0	\$3,560
1.2 Traffic Signal Plan (Clinton Keith & Menifee) (Revise)	1	6.0	6.0	12.0	16.0	16.0	34.0	5.080	34.0	34.0	34.0	\$5,080
1.3 Specifications (Revise)		2.0	2.0	4.0	4.0		6.0			6.0	6.0	\$1,000
1.4 Engineer's Construction Cost Estimate (Revise)		2.0	2.0	4.0	4.0	4.0	10.0			10.0	10.0	\$1,520
<b>2.0 MEETINGS</b>												
2.1 Meetings (2)		8.0	8.0				8.0			8.0	8.0	\$1,440
<b>TOTAL</b>	<b>Hours</b>	<b>Cost</b>	<b>22.0</b>	<b>28.0</b>	<b>32.0</b>	<b>32.0</b>	<b>82.0</b>				<b>82.0</b>	<b>\$12,600</b>
<b>ESTIMATED REIMBURSEABLES</b>												
Mileage (2 round-trips to City/Project Site)												
280 Miles @ \$0.560 per Mile												
Reproduction, Delivery Service, Postage, FAX Charges, Etc.												
\$157												
\$43												
<b>Total Reimbursables: \$200</b>												
<b>TOTAL PROPOSED FEE: \$12,800</b>												

Notes / Assumptions:



# COST PROPOSAL

Contract No. 02-02-005A2

Environmental and Design Support of the Clinton Keith Road Extension Project

## AMENDMENT NO. 5

### Task Summary

17-Nov-14

Amendment No. 5 Task Number	Task Description	Fee
A	Project Administration/Project Management	\$8,253
B	EIR Addendum	\$22,214
C	Agency Coordination for Joint Project Review and MSHCP Consistency	\$9,529
D	Permit Applications	\$8,949
E	Updated Cultural Studies	\$9,286
<b>Total Phase 1</b>		<b>\$58,233</b>
F	Project Administration/Project Management	\$16,376
G	Additional Roadway Design Tasks	\$55,542
H	Additional Drainage Design Tasks	\$18,314
I		\$4,951
J	Additional Structure Design Tasks	\$4,724
<b>Total Phase 2</b>		<b>\$99,907</b>
<b>Total Phase 1 &amp; 2</b>		<b>\$158,140</b>
<b>Contingency @ 10%</b>		<b>\$15,814</b>
<b>Total Amendment No. 5</b>		<b>\$173,954</b>





<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 1 - 4	<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE:</b> Phase 1-4 Summary	

**DIRECT LABOR**

CLASSIFICATION	HOURS	RATE	AMOUNT
Project Manager	176 @	\$66.31	\$11,670.56
Environmental Task Leader/Tech Specialist	-	\$74.29	
Senior Consultant	84 @	\$74.29	\$6,240.36
Senior Geotech	-	\$62.97	
Geotech Engineer	-	\$41.40	
Senior Structural Engineer	10 @	\$71.85	\$718.50
Structural Engineer	10 @	\$43.27	\$432.70
Senior Roadway Engineer	56 @	\$53.24	\$2,981.44
Engineer	280 @	\$50.22	\$14,061.60
Junior Engineer	-	\$32.74	
Environmental Planner	266 @	\$51.32	\$13,651.12
Assoc Planner	28 @	\$32.99	\$923.72
CADD	196 @	\$42.71	\$8,371.16
Graphics / GIS	-	\$35.24	
Technical Editor	24 @	\$37.50	\$900.00
Contracts	16 @	\$54.06	\$864.96
Office/ Clerical/ Admin	64 @	\$29.66	\$1,898.24
<b>TOTAL HOURS</b>	<b>1,210</b>	<b>TOTAL DIRECT LABOR</b>	<b>\$62,714.36</b>

**MULTIPLIERS**

<b>ESCALATION @</b>	0.00%	(Rate)	\$0.00
<b>OVERHEAD @</b>	114.16%	(of Total Direct Labor + Escalation)	\$71,594.71
<b>TOTAL MULTIPLIERS</b>			<b>\$71,594.71</b>

**OTHER DIRE \*\*\* Billed at Actual Cost \*\*\***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Health & Safety Assessment	-	hr	\$1.55	
Outside Repro Services	-	LS	\$1.00	
Postage & Freight	-	ea	\$10.00	
Mileage	-	miles	\$0.555	
<b>TOTAL OTHER DIRECT EXPENSES</b>				<b>\$200.00</b>

**OUTSIDE SERVICES (w/o fee)**

COMPANY	LABOR	EXPENSES	TOTAL
Critigen			\$10,000.00
HydroArch			
Contech Construction			
Drilling Sub			
Lab Testing Sub			
<b>TOTAL OUTSIDE SERVICES</b>			<b>\$10,000.00</b>

**FEES**

<b>OUTSIDE SERVICES ADMIN FEE @</b>	2.00%	(of Total Outside Services)	\$200.00
<b>CH2M HILL @</b>	10.00%	(of Total Direct Labor + Total Multipliers)	\$13,430.91
<b>TOTAL FEES</b>			<b>\$13,630.91</b>
<b>TOTAL COST</b>			<b>\$158,139.98</b>

<b>COMPANY:</b> CH2M HILL		<b>SCOPE OF WORK</b> Phase 1 - (PA/ED) Engineering & Management Tasks		<b>DATE:</b> 11/17/2014		<b>REV:</b>	
<b>PROJECT:</b> Clinton Keith Road				<b>MILESTONE/PHASE:</b> Phase 1 Summary			
<b>DIRECT LABOR</b>							
	<b>CLASSIFICATION</b>	<b>HOURS</b>		<b>RATE</b>	<b>AMOUNT</b>		
	Project Manager	52	@	\$66.31	\$3,448.12		
	Environmental Task Leader/Tech Specialist	-		\$74.29			
	Senior Consultant	-		\$74.29			
	Senior Geotech	-		\$62.97			
	Geotech Engineer	-		\$41.40			
	Senior Structural Engineer	-		\$71.85			
	Structural Engineer	-		\$43.27			
	Senior Roadway Engineer	-		\$53.24			
	Engineer	-		\$50.22			
	Junior Engineer	-		\$32.74			
	Environmental Planner	266	@	\$51.32	\$13,651.12		
	Assoc Planner	28	@	\$32.99	\$923.72		
	CADD	-		\$42.71			
	Graphics / GIS	-		\$35.24			
	Technical Editor	24	@	\$37.50	\$900.00		
	Contracts	8	@	\$54.06	\$432.48		
	Office/ Clerical/ Admin	32	@	\$29.66	\$949.12		
		<b>TOTAL HOURS</b>			<b>TOTAL DIRECT LABOR</b>		<b>\$20,304.56</b>
		410					
<b>MULTIPLIERS</b>							
	<b>ESCALATION @</b>	0.00%	(Rate)		\$0.00		
	<b>OVERHEAD @</b>	114.16%	(of Total Direct Labor + Escalation)		\$23,179.69		
					<b>TOTAL MULTIPLIERS</b>		<b>\$23,179.69</b>
<b>OTHER DIRE *** Billed at Actual Cost ***</b>							
<b>ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>		<b>UNIT COST</b>	<b>AMOUNT</b>		
Communication		hr		\$1.10			
Health & Safety Assessment	-	hr		\$1.55			
Computer		hr		\$4.35			
Production Copier	-	ea		\$0.04			
Outside Repro Services	-	LS		\$1.00			
Postage & Freight	-	ea		\$10.00			
Supplies	-	ea		\$1.00			
Mileage	-	miles		\$0.375			
Travel Expenses	200	LS	@	\$1.00	\$200.00		
GPS Rental	-	day		\$500.00			
					<b>TOTAL OTHER DIRECT EXPENSES</b>		<b>\$200.00</b>
<b>OUTSIDE SERVICES (w/o fee)</b>							
<b>COMPANY</b>	<b>LABOR</b>	<b>MULTIPLIER</b>	<b>EXPENSES</b>	<b>TOTAL</b>			
Critigen				\$10,000.00			
					<b>TOTAL OUTSIDE SERVICES</b>		<b>\$10,000.00</b>
<b>FEES</b>							
<b>OUTSIDE SERVICES ADMIN FEE @</b>		2.00%	(of Total Outside Services)		\$200.00		
<b>CH2M HILL @</b>		10.00%	(of Total Direct Labor + Total Multipliers)		\$4,348.42		
					<b>TOTAL FEES</b>		<b>\$4,548.42</b>
					<b>TOTAL COST</b>		<b>\$58,232.67</b>

<b>COMPANY:</b> CH2M HILL		<b>SCOPE OF WORK</b> Phase 2 - (PS&E) Engineering & Management Tasks		<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road				<b>MILESTONE/PHASE:</b> Phase 2 Summary	
<b>DIRECT LABOR</b>					
	<b>CLASSIFICATION</b>	<b>HOURS</b>	<b>RATE</b>	<b>AMOUNT</b>	
	Project Manager	124 @	\$66.31	\$8,222.44	
	Environmental Task Leader/Tech Specialist	-	\$74.29		
	Senior Consultant	84 @	\$74.29	\$6,240.36	
	Senior Geotech	-	\$62.97		
	Geotech Engineer	-	\$41.40		
	Senior Structural Engineer	10 @	\$71.85	\$718.50	
	Structural Engineer	10 @	\$43.27	\$432.70	
	Senior Roadway Engineer	56 @	\$53.24	\$2,981.44	
	Engineer	280 @	\$50.22	\$14,061.60	
	Junior Engineer	-	\$32.74		
	Environmental Planner	-	\$51.32		
	Assoc Planner	-	\$32.99		
	CADD	196 @	\$42.71	\$8,371.16	
	Graphics / GIS	-	\$35.24		
	Technical Editor	-	\$37.50		
	Contracts	8 @	\$54.06	\$432.48	
	Office/ Clerical/ Admin	32 @	\$29.66	\$949.12	
	<b>TOTAL HOURS</b>	<b>800</b>	<b>TOTAL DIRECT LABOR</b>	<b>\$42,409.80</b>	
<b>MULTIPLIERS</b>					
<b>ESCALATION @</b>	0.00%	(Rate)			\$0.00
<b>OVERHEAD @</b>	114.16%	(of Total Direct Labor + Escalation)			\$48,415.03
	<b>TOTAL MULTIPLIERS</b>				<b>\$48,415.03</b>
<b>OTHER DIRE... Billed at Actual Cost ...</b>					
<b>ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>AMOUNT</b>	
Communication	-	hr	\$1.10		
Health & Safety Assessment	-	hr	\$1.55		
Computer	-	hr	\$4.35		
Production Copier	-	ea	\$0.04		
Outside Repro Services	-	LS	\$1.00		
Postage & Freight	-	ea	\$10.00		
Supplies	-	ea	\$1.00		
Mileage	-	miles	\$0.375		
Travel Expenses	-	LS	\$1.00		
GPS Rental	-	day	\$500.00		
	<b>TOTAL OTHER DIRECT EXPENSES</b>				<b>\$0.00</b>
<b>OUTSIDE SERVICES (w/o fee)</b>					
<b>COMPANY</b>	<b>LABOR</b>	<b>MULTIPLIER</b>	<b>EXPENSES</b>	<b>TOTAL</b>	
HydroArch					
Contech Construction					
Drilling Sub					
Lab Testing Sub					
	<b>TOTAL OUTSIDE SERVICES</b>				<b>\$0.00</b>
<b>FEES</b>					
<b>OUTSIDE SERVICES ADMIN FEE @</b>	2.00%	(of Total Outside Services)			\$0.00
<b>CH2M HILL @</b>	10.00%	(of Total Direct Labor + Total Multipliers)			\$9,082.48
	<b>TOTAL FEES</b>				<b>\$9,082.48</b>
	<b>TOTAL COST</b>				<b>\$99,907.31</b>

<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 1 - (PA/ED) Engineering & Management Tasks	<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE: Phase 1</b> A. Project Administration/Project Management	
<b>DIRECT LABOR</b>			
<b>CLASSIFICATION</b>	<b>HOURS</b>	<b>RATE</b>	<b>AMOUNT</b>
Project Manager	32 @	\$66.31	\$2,121.92
Environmental Task Leader/		\$74.29	
Senior Consultant		\$74.29	
Senior Geotech		\$62.97	
Geotech Engineer		\$41.40	
Senior Structural Engineer		\$71.85	
Structural Engineer		\$43.27	
Senior Roadway Engineer		\$53.24	
Engineer		\$50.22	
Junior Engineer		\$32.74	
Environmental Planner		\$51.32	
Assoc Planner		\$32.99	
CADD		\$42.71	
Graphics / GIS		\$35.24	
Contracts	8 @	\$54.06	\$432.48
Office/ Clerical/ Admin	32 @	\$29.66	\$949.12
<b>TOTAL HOURS</b>	72	<b>TOTAL DIRECT LABOR</b>	\$3,503.52
<b>MULTIPLIERS</b>			
ESCALATION @	0.00% (Rate)		\$0.00
OVERHEAD @	114.16% (of Total Direct Labor + Escalation)		\$3,999.62
<b>TOTAL MULTIPLIERS</b>			\$3,999.62
<b>OTHER DIRE *** Billed at Actual Cost ***</b>			
<b>ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>UNIT COST</b> <b>AMOUNT</b>
<b>TOTAL OTHER DIRECT EXPENSES</b>			\$0.00
<b>OUTSIDE SERVICES (w/o fee)</b>			
<b>COMPANY</b>	<b>LABOR</b>	<b>MULTIPLIER</b>	<b>EXPENSES</b> <b>TOTAL</b>
<b>TOTAL OUTSIDE SERVICES</b>			\$0.00
<b>FEES</b>			
OUTSIDE SERVICES ADMIN FEE @	2.00% (of Total Outside Services)		\$0.00
CH2M HILL @	10.00% (of Total Direct Labor + Total Multipliers)		\$750.31
<b>TOTAL FEES</b>			\$750.31
<b>TOTAL COST</b>			\$8,253.45

<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 1 - (PA/ED) Engineering & Management Tasks	<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE:</b> Phase 1 B, EIR Addendum	

**DIRECT LABOR**

CLASSIFICATION	HOURS		RATE	AMOUNT
Project Manager	8	@	\$66.31	\$530.48
Environmental Task Leader/f			\$74.29	
Senior Consultant			\$74.29	
Senior Geotech			\$62.97	
Geotech Engineer			\$41.40	
Senior Structural Engineer			\$71.85	
Structural Engineer			\$43.27	
Senior Roadway Engineer			\$53.24	
Engineer			\$50.22	
Junior Engineer			\$32.74	
Environmental Planner	90	@	\$51.32	\$4,618.80
Assoc Planner			\$32.99	
CADD			\$42.71	
Graphics / GIS			\$35.24	
Contracts			\$54.06	
Office/ Clerical/ Admin			\$29.66	
<b>TOTAL HOURS</b>	<b>114</b>		<b>TOTAL DIRECT LABOR</b>	<b>\$5,749.28</b>

**MULTIPLIERS**

<b>ESCALATION @</b>	0.00%	(Rate)	\$0.00
<b>OVERHEAD @</b>	114.16%	(of Total Direct Labor + Escalation)	\$6,563.38
<b>TOTAL MULTIPLIERS</b>			<b>\$6,563.38</b>

**OTHER DIRE CH2M HILL**

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Communication		hr	\$1.10	
Health & Safety Assessment		hr	\$1.55	
Computer		hr	\$4.35	
Production Copier		ea	\$0.04	
Outside Repro Services		LS	\$1.00	
Postage & Freight		ea	\$10.00	
Supplies		ea	\$1.00	
Mileage		miles	\$0.375	
Travel Expenses		LS	\$1.00	
GPS Rental		day		
<b>TOTAL OTHER DIRECT EXPENSES</b>				<b>\$0.00</b>

**OUTSIDE SERVICES (w/o fee)**

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
Critigen				\$8,500.00
<b>TOTAL OUTSIDE SERVICES</b>				<b>\$8,500.00</b>

**FEES**

<b>OUTSIDE SERVICES ADMIN FEE @</b>	2.00%	(of Total Outside Services)	\$170.00
<b>CH2M HILL @</b>	10.00%	(of Total Direct Labor + Total Multipliers)	\$1,231.27
<b>TOTAL FEES</b>			<b>\$1,401.27</b>
<b>TOTAL COST</b>			<b>\$22,213.92</b>

<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 1 - (PA/ED) Engineering & Management Tasks	<b>DATE:</b> 11/17/2014	<b>REV:</b>	
<b>PROJECT:</b>  Clinton Keith Road		<b>MILESTONE/PHASE:</b> Phase 1 C. Agency Coordination for Joint Project Review and MSHCP Consistency		
<b>DIRECT LABOR</b>				
<b>CLASSIFICATION</b>	<b>HOURS</b>	<b>RATE</b>	<b>AMOUNT</b>	
Project Manager	4 @	\$66.31	\$265.24	
Environmental Task Leader		\$74.29		
Senior Consultant		\$74.29		
Senior Geotech		\$62.97		
Geotech Engineer		\$41.40		
Senior Structural Engineer		\$71.85		
Structural Engineer		\$43.27		
Senior Roadway Engineer		\$53.24		
Engineer		\$50.22		
Junior Engineer		\$32.74		
Environmental Planner	72 @	\$51.32	\$3,695.04	
Assoc Planner		\$32.99		
CADD		\$42.71		
Graphics / GIS		\$35.24		
Contracts		\$54.06		
Office/ Clerical/ Admin		\$29.66		
<b>TOTAL HOURS</b>	76	<b>TOTAL DIRECT LABOR</b>	\$3,960.28	
<b>MULTIPLIERS</b>				
<b>ESCALATION @</b>	0.00%	(Rate)	\$0.00	
<b>OVERHEAD @</b>	114.16%	(of Total Direct Labor + Escalation)	\$4,521.06	
<b>TOTAL MULTIPLIERS</b>			\$4,521.06	
<b>OTHER DIRE CH2M HILL</b>				
<b>ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>AMOUNT</b>
Communication		hr	\$1.10	
Health & Safety Assessmer		hr	\$1.55	
Computer		hr	\$4.35	
Production Copier		ea	\$0.04	
Outside Repro Services		LS	\$1.00	
Postage & Freight		ea	\$10.00	
Permit fees		ea	\$1.00	
Mileage		miles	\$0.375	
Travel Expenses	200	LS	\$1.00	\$200.00
GPS Rental		day		
<b>TOTAL OTHER DIRECT EXPENSES</b>				\$200.00
<b>OUTSIDE SERVICES (w/o fee)</b>				
<b>COMPANY</b>	<b>LABOR</b>	<b>MULTIPLIER</b>	<b>EXPENSES</b>	<b>TOTAL</b>
Critigen				
<b>TOTAL OUTSIDE SERVICES</b>				\$0.00
<b>FEES</b>				
<b>OUTSIDE SERVICES ADMIN FEE @</b>	2.00%	(of Total Outside Services)		\$0.00
<b>CH2M HILL @</b>	10.00%	(of Total Direct Labor + Total Multipliers)		\$848.13
<b>TOTAL FEES</b>				\$848.13
<b>TOTAL COST</b>				\$9,529.47

<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 1 - (PA/ED) Engineering & Management Tasks	<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE: Phase 1</b> D. Permit Applications	
<b>DIRECT LABOR</b>			
<b>CLASSIFICATION</b>	<b>HOURS</b>	<b>RATE</b>	<b>AMOUNT</b>
Project Manager	4 @	\$66.31	\$265.24
Environmental Task Leader		\$74.29	
Senior Consultant		\$74.29	
Senior Geotech		\$62.97	
Geotech Engineer		\$41.40	
Senior Structural Engineer		\$71.85	
Structural Engineer		\$43.27	
Senior Roadway Engineer		\$53.24	
Engineer		\$50.22	
Junior Engineer		\$32.74	
Environmental Planner	56 @	\$51.32	\$2,873.92
Assoc Planner	20 @	\$32.99	\$659.80
CADD		\$42.71	
Graphics / GIS		\$35.24	
Contracts		\$54.06	
Office/ Clerical/ Admin		\$29.66	
<b>TOTAL HOURS</b>	<b>80</b>	<b>TOTAL DIRECT LABOR</b>	<b>\$3,798.96</b>
<b>MULTIPLIERS</b>			
<b>ESCALATION @</b>	0.00% (Rate)		\$0.00
<b>OVERHEAD @</b>	114.16% (of Total Direct Labor + Escalation)		\$4,336.89
<b>TOTAL MULTIPLIERS</b>			<b>\$4,336.89</b>
<b>OTHER DIRE CH2M HILL</b>			
<b>ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>UNIT COST</b>
			<b>AMOUNT</b>
<b>TOTAL OTHER DIRECT EXPENSES</b>			<b>\$0.00</b>
<b>OUTSIDE SERVICES (w/o fee)</b>			
<b>COMPANY</b>	<b>LABOR</b>	<b>MULTIPLIER</b>	<b>EXPENSES</b>
			<b>TOTAL</b>
Critigen			
<b>TOTAL OUTSIDE SERVICES</b>			<b>\$0.00</b>
<b>FEES</b>			
<b>OUTSIDE SERVICES ADMIN FEE @</b>	2.00% (of Total Outside Services)		\$0.00
<b>CH2M HILL @</b>	10.00% (of Total Direct Labor + Total Multipliers)		\$813.59
<b>TOTAL FEES</b>			<b>\$813.59</b>
<b>TOTAL COST</b>			<b>\$8,949.44</b>



<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 1 - (PAVED) Engineering & Management Tasks	<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE: Phase 1</b> E. Updated Cultural Studies	

**DIRECT LABOR**

CLASSIFICATION	HOURS		RATE	AMOUNT
Project Manager	4	@	\$66.31	\$265.24
Environmental Task Leader			\$74.29	
Senior Consultant			\$74.29	
Senior Geotech			\$62.97	
Geotech Engineer			\$41.40	
Senior Structural Engineer			\$71.85	
Structural Engineer			\$43.27	
Senior Roadway Engineer			\$53.24	
Engineer			\$50.22	
Junior Engineer		@	\$32.74	
Environmental Planner	48	@	\$51.32	\$2,463.36
Assoc Planner	8	@	\$32.99	\$263.92
CADD			\$42.71	
Graphics / GIS			\$35.24	
Contracts			\$54.06	
Office/ Clerical/ Admin			\$29.66	
<b>TOTAL HOURS</b>	<b>68</b>		<b>TOTAL DIRECT LABOR</b>	<b>\$3,292.52</b>

**MULTIPLIERS**

<b>ESCALATION @</b>	0.00%	(Rate)	\$0.00
<b>OVERHEAD @</b>	114.16%	(of Total Direct Labor + Escalation)	\$3,758.74
<b>TOTAL MULTIPLIERS</b>			<b>\$3,758.74</b>

**OTHER DIRECT CH2M HILL**

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Communication		hr	\$1.10	
Health & Safety Assessment		hr	\$1.55	
Computer		hr	\$4.35	
Production Copier		ea	\$0.04	
Outside Repro Services		LS	\$1.00	
Postage & Freight		ea	\$10.00	
Supplies		ea	\$1.00	
Mileage		miles	\$0.375	
Travel Expenses		LS	\$1.00	
<b>TOTAL OTHER DIRECT EXPENSES</b>				<b>\$0.00</b>

**OUTSIDE SERVICES (w/o fee)**

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
Critigen				\$1,500.00
<b>TOTAL OUTSIDE SERVICES</b>				<b>\$1,500.00</b>

**FEES**

<b>OUTSIDE SERVICES ADMIN FEE @</b>	2.00%	(of Total Outside Services)	\$30.00
<b>CH2M HILL @</b>	10.00%	(of Total Direct Labor + Total Multipliers)	\$705.13
<b>TOTAL FEES</b>			<b>\$735.13</b>
<b>TOTAL COST</b>			<b>\$9,286.39</b>

<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 2 - (PS&E) Engineering & Management Tasks	<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE: Phase 2</b> F. Project Administration/Project Management	

**DIRECT LABOR**

CLASSIFICATION	HOURS		RATE	AMOUNT
Project Manager	84	@	\$66.31	\$5,570.04
Environmental Task Leade			\$74.29	
Senior Consultant			\$74.29	
Senior Geotech			\$62.97	
Geotech Engineer			\$41.40	
Senior Structural Engineer			\$71.85	
Structural Engineer			\$43.27	
Senior Roadway Engineer			\$53.24	
Engineer			\$50.22	
Junior Engineer			\$32.74	
Environmental Planner			\$51.32	
Assoc Planner			\$32.99	
CADD			\$42.71	
Graphics / GIS			\$35.24	
Technical Editor			\$37.50	
Contracts	8	@	\$54.06	\$432.48
Office/ Clerical/ Admin	32	@	\$29.66	\$949.12
<b>TOTAL HOURS</b>		124	<b>TOTAL DIRECT LABOR</b>	
				\$6,951.64

**MULTIPLIERS**

ESCALATION @	0.00%	(Rate)	\$0.00
OVERHEAD @	114.16%	(of Total Direct Labor + Escalation)	\$7,935.99
<b>TOTAL MULTIPLIERS</b>			\$7,935.99

**OTHER DIRE \*\*\* Billed at Actual Cost \*\*\***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
<b>TOTAL OTHER DIRECT EXPENSES</b>				\$0.00

**OUTSIDE SERVICES (w/o fee)**

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
<b>TOTAL OUTSIDE SERVICES</b>				\$0.00

**FEES**

OUTSIDE SERVICES ADMIN FEE @	2.00%	(of Total Outside Services)	\$0.00
CH2M HILL @	10.00%	(of Total Direct Labor + Total Multipliers)	\$1,488.76
<b>TOTAL FEES</b>			\$1,488.76
<b>TOTAL COST</b>			\$16,376.40

<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 2 - (PS&E) Engineering & Management Tasks	<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE: Phase 2</b> G. Additional Roadway Design Tasks	

**DIRECT LABOR**

CLASSIFICATION	HOURS		RATE	AMOUNT
Project Manager	30	@	\$66.31	\$1,989.30
Environmental Task Leader			\$74.29	
Senior Consultant	60	@	\$74.29	\$4,457.40
Senior Geotech			\$62.97	
Geotech Engineer			\$41.40	
Senior Structural Engineer			\$71.85	
Structural Engineer			\$43.27	
Senior Roadway Engineer	24	@	\$53.24	\$1,277.76
Engineer	200	@	\$50.22	\$10,044.00
Junior Engineer			\$32.74	
Environmental Planner			\$51.32	
Assoc Planner			\$32.99	
CADD	136	@	\$42.71	\$5,808.56
Graphics / GIS			\$35.24	
Contracts			\$54.06	
Office/ Clerical/ Admin			\$29.66	
<b>TOTAL HOURS</b>				
	450		<b>TOTAL DIRECT LABOR</b>	\$23,577.02

**MULTIPLIERS**

ESCALATION @	0.00%	(Rate)	\$0.00
OVERHEAD @	114.16%	(of Total Direct Labor + Escalation)	\$26,915.53
<b>TOTAL MULTIPLIERS</b>			\$26,915.53

**OTHER DIRECT CH2M HILL**

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
<b>TOTAL OTHER DIRECT EXPENSES</b>				\$0.00

**OUTSIDE SERVICES (w/o fee)**

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
<b>TOTAL OUTSIDE SERVICES</b>				\$0.00

**FEEES**

OUTSIDE SERVICES ADMIN FEE @	2.00%	(of Total Outside Services)	\$0.00
CH2M HILL @	10.00%	(of Total Direct Labor + Total Multipliers)	\$5,049.25
<b>TOTAL FEES</b>			\$5,049.25
<b>TOTAL COST</b>			\$55,541.80

<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 2 - (PS&E) Engineering & Management Tasks	<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE: Phase 2</b> H. Additional Drainage Design Tasks	

**DIRECT LABOR**

CLASSIFICATION	HOURS		RATE	AMOUNT
Project Manager	4	@	\$66.31	\$265.24
Environmental Task Leader			\$74.29	
Senior Consultant	24	@	\$74.29	\$1,782.96
Senior Geotech			\$62.97	
Geotech Engineer			\$41.40	
Senior Structural Engineer			\$71.85	
Structural Engineer			\$43.27	
Senior Roadway Engineer			\$53.24	
Engineer	80	@	\$50.22	\$4,017.60
Junior Engineer			\$32.74	
Environmental Planner			\$51.32	
Assoc Planner			\$32.99	
CADD	40	@	\$42.71	\$1,708.40
Graphics / GIS			\$35.24	
Contracts			\$54.06	
Office/ Clerical/ Admin			\$29.66	
<b>TOTAL HOURS</b>				
	148		<b>TOTAL DIRECT LABOR</b>	\$7,774.20

**MULTIPLIERS**

ESCALATION @	0.00%	(Rate)	\$0.00
OVERHEAD @	114.16%	(of Total Direct Labor + Escalation)	\$8,875.03
<b>TOTAL MULTIPLIERS</b>			\$8,875.03

**OTHER DIRECT EXPENSES**

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
<b>TOTAL OTHER DIRECT EXPENSES</b>				\$0.00

**OUTSIDE SERVICES (w/o fee)**

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
<b>TOTAL OUTSIDE SERVICES</b>				\$0.00

**FEEES**

OUTSIDE SERVICES ADMIN FEE @	2.00%	(of Total Outside Services)	\$0.00
CH2M HILL @	10.00%	(of Total Direct Labor + Total Multipliers)	\$1,664.92
<b>TOTAL FEES</b>			\$1,664.92
<b>TOTAL COST</b>			\$18,314.15

<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 2 - (PS&E) Engineering & Management Tasks	<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE: Phase 2</b> I. Additional Revisions to Specifications Tasks	

**DIRECT LABOR**

CLASSIFICATION	HOURS		RATE	AMOUNT
Project Manager	6	@	\$66.31	\$397.86
Environmental Task Leader			\$74.29	
Senior Consultant			\$74.29	
Senior Geotech			\$62.97	
Geotech Engineer			\$41.40	
Senior Structural Engineer			\$71.85	
Structural Engineer			\$43.27	
Senior Roadway Engineer	32	@	\$53.24	\$1,703.68
Engineer			\$50.22	
Junior Engineer			\$32.74	
Environmental Planner			\$51.32	
Assoc Planner			\$32.99	
CADD			\$42.71	
Graphics / GIS			\$35.24	
Contracts			\$54.06	
Office/ Clerical/ Admin			\$29.66	
<b>TOTAL HOURS</b>	<b>38</b>		<b>TOTAL DIRECT LABOR</b>	<b>\$2,101.54</b>

**MULTIPLIERS**

ESCALATION @	0.00%	(Rate)	\$0.00
OVERHEAD @	114.16%	(of Total Direct Labor + Escalation)	\$2,399.12
<b>TOTAL MULTIPLIERS</b>			<b>\$2,399.12</b>

**OTHER DIRECT CH2M HILL**

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
<b>TOTAL OTHER DIRECT EXPENSES</b>				<b>\$0.00</b>

**OUTSIDE SERVICES (w/o fee)**

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
<b>TOTAL OUTSIDE SERVICES</b>				<b>\$0.00</b>

**FEES**

OUTSIDE SERVICES ADMIN FEE @	2.00%	(of Total Outside Services)	\$0.00
CH2M HILL @	10.00%	(of Total Direct Labor + Total Multipliers)	\$450.07
<b>TOTAL FEES</b>			<b>\$450.07</b>
<b>TOTAL COST</b>			<b>\$4,950.72</b>

<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 2 - (PS&E) Engineering & Management Tasks	<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE:</b> Phase 2 J. Additional Structure Design Tasks	

**DIRECT LABOR**

CLASSIFICATION	HOURS	RATE	AMOUNT
Project Manager		\$66.31	
Environmental Task Leade		\$74.29	
Senior Consultant		\$74.29	
Senior Geotech		\$62.97	
Geotech Engineer		\$41.40	
Senior Structural Engineer	10 @	\$71.85	\$718.50
Structural Engineer	10 @	\$43.27	\$432.70
Senior Roadway Engineer		\$53.24	
Engineer		\$50.22	
Junior Engineer		\$32.74	
Environmental Planner		\$51.32	
Assoc Planner		\$32.99	
CADD	20 @	\$42.71	\$854.20
Graphics / GIS		\$35.24	
Contracts		\$54.06	
Office/ Clerical/ Admin		\$29.66	
<b>TOTAL HOURS</b>	40	<b>TOTAL DIRECT LABOR</b>	\$2,005.40

**MULTIPLIERS**

ESCALATION @	0.00%	(Rate)	\$0.00
OVERHEAD @	114.16%	(of Total Direct Labor + Escalation)	\$2,289.36
<b>TOTAL MULTIPLIERS</b>			\$2,289.36

**OTHER DIRE CH2M HILL**

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
<b>TOTAL OTHER DIRECT EXPENSES</b>				\$0.00

**OUTSIDE SERVICES (w/o fee)**

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
HydroArch				
<b>TOTAL OUTSIDE SERVICES</b>				\$0.00

**FEES**

OUTSIDE SERVICES ADMIN FEE @	2.00%	(of Total Outside Services)	\$0.00
CH2M HILL @	10.00%	(of Total Direct Labor + Total Multipliers)	\$429.48
<b>TOTAL FEES</b>			\$429.48
<b>TOTAL COST</b>			\$4,724.24



# COST PROPOSAL

Contract No. 02-02-005A2

Environmental and Design Support of the Clinton Keith Road Extension Project

## AMENDMENT NO. 5 Alternate Bid Task Summary

17-Nov-14

Amendment No. 5 (Alt Bid) Task Number	Task Description	Fee
A	Project Administration/Project Management	\$6,248
B	Environmental	\$41,027
	<b>Total Phase 1</b>	<b>\$47,276</b>
C	Project Administration/Project Management	\$15,621
D	Engineering	\$127,594
	<b>Total Phase 2</b>	<b>\$143,216</b>
E	Bid Support Task	\$11,716
	<b>Total Phase 3</b>	<b>\$11,716</b>
	<b>Total Phase 1, 2 &amp; 3</b>	<b>\$202,207</b>
	<b>Contingency @ 10%</b>	<b>\$20,221</b>
	<b>Total Amendment No. 5 (Alt Bid)</b>	<b>\$222,428</b>





<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 1 - 4	<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE:</b> Phase 1-4 Summary	

**DIRECT LABOR**

CLASSIFICATION	HOURS	RATE	AMOUNT
Project Manager	170 @	\$66.31	\$11,272.70
Environmental Task Leader/Tech Specialist	-	\$74.29	
Senior Consultant	60 @	\$74.29	\$4,457.40
Senior Geotech	-	\$62.97	
Geotech Engineer	-	\$41.40	
Senior Structural Engineer	-	\$71.85	
Structural Engineer	-	\$43.27	
Senior Roadway Engineer	260 @	\$53.24	\$13,842.40
Engineer	340 @	\$50.22	\$17,074.80
Junior Engineer	-	\$32.74	
Environmental Planner	200 @	\$51.32	\$10,264.00
Assoc Planner	-	\$32.99	
CADD	380 @	\$42.71	\$16,229.80
Graphics / GIS	72 @	\$35.24	\$2,537.28
Technical Editor	48 @	\$37.50	\$1,800.00
Contracts	-	\$54.06	
Office/ Clerical/ Admin	-	\$29.66	
<b>TOTAL HOURS</b>	<b>1,530</b>	<b>TOTAL DIRECT LABOR</b>	<b>\$77,478.38</b>

**MULTIPLIERS**

ESCALATION @	0.00%	(Rate)	\$0.00
OVERHEAD @	114.16%	(of Total Direct Labor + Escalation)	\$88,449.32
<b>TOTAL MULTIPLIERS</b>			<b>\$88,449.32</b>

**OTHER DIRE ... Billed at Actual Cost ...**

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Health & Safety Assessment	-	hr	\$1.55	
Outside Repro Services	-	LS	\$1.00	
Postage & Freight	-	ea	\$10.00	
Mileage	-	miles	\$0.555	
<b>TOTAL OTHER DIRECT EXPENSES</b>				<b>\$0.00</b>

**OUTSIDE SERVICES (w/o fee)**

COMPANY	LABOR	EXPENSES	TOTAL
Critigen			\$6,500.00
FPL & Associates			\$12,800.00
<b>TOTAL OUTSIDE SERVICES</b>			<b>\$19,300.00</b>

**FEES**

OUTSIDE SERVICES ADMIN FEE @	2.00%	(of Total Outside Services)	\$386.00
CH2M HILL @	10.00%	(of Total Direct Labor + Total Multipliers)	\$16,592.77
<b>TOTAL FEES</b>			<b>\$16,978.77</b>
<b>TOTAL COST</b>			<b>\$202,206.47</b>

<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 1 - (PA/ED) Engineering & Management Tasks	<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE:</b> Phase 1 Summary	

**DIRECT LABOR**

	CLASSIFICATION	HOURS		RATE	AMOUNT
	Project Manager	40	@	\$66.31	\$2,652.40
	Environmental Task Leader/Tech Specialist	-		\$74.29	
	Senior Consultant	-		\$74.29	
	Senior Geotech	-		\$62.97	
	Geotech Engineer	-		\$41.40	
	Senior Structural Engineer	-		\$71.85	
	Structural Engineer	-		\$43.27	
	Senior Roadway Engineer	-		\$53.24	
	Engineer	-		\$50.22	
	Junior Engineer	-		\$32.74	
	Environmental Planner	200	@	\$51.32	\$10,264.00
	Assoc Planner	-		\$32.99	
	CADD	-		\$42.71	
	Graphics / GIS	72	@	\$35.24	\$2,537.28
	Technical Editor	48	@	\$37.50	\$1,800.00
	Contracts	-		\$54.06	
	Office/ Clerical/ Admin	-		\$29.66	
<b>TOTAL HOURS</b>		<b>360</b>		<b>TOTAL DIRECT LABOR</b>	<b>\$17,253.68</b>

**MULTIPLIERS**

<b>ESCALATION @</b>	0.00%	(Rate)	\$0.00
<b>OVERHEAD @</b>	114.16%	(of Total Direct Labor + Escalation)	\$19,696.80
<b>TOTAL MULTIPLIERS</b>			<b>\$19,696.80</b>

**OTHER DIRE \*\*\* Billed at Actual Cost \*\*\***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Communication		hr	\$1.10	
Health & Safety Assessment	-	hr	\$1.55	
Computer		hr	\$4.35	
Production Copier	-	ea	\$0.04	
Outside Repro Services	-	LS	\$1.00	
Postage & Freight	-	ea	\$10.00	
Supplies	-	ea	\$1.00	
Mileage	-	miles	\$0.375	
Travel Expenses	-	LS	\$1.00	
GPS Rental	-	day	\$500.00	
<b>TOTAL OTHER DIRECT EXPENSES</b>				<b>\$0.00</b>

**OUTSIDE SERVICES (w/o fee)**

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
Critigen				\$6,500.00
<b>TOTAL OUTSIDE SERVICES</b>				<b>\$6,500.00</b>

**FEES**

<b>OUTSIDE SERVICES ADMIN FEE @</b>	2.00% (of Total Outside Services)	\$130.00
<b>CH2M HILL @</b>	10.00% (of Total Direct Labor + Total Multipliers)	\$3,695.05
<b>TOTAL FEES</b>		<b>\$3,825.05</b>
<b>TOTAL COST</b>		<b>\$47,275.53</b>

<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 2 - (PS&E) Engineering & Management Tasks	<b>DATE:</b> 11/17/2014	<b>REV:</b>	
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE:</b> Phase 2 Summary		
<b>DIRECT LABOR</b>				
	<b>CLASSIFICATION</b>	<b>HOURS</b>	<b>RATE</b>	<b>AMOUNT</b>
	Project Manager	100 @	\$66.31	\$6,631.00
	Environmental Task Leader/Tech Specialist	-	\$74.29	
	Senior Consultant	60 @	\$74.29	\$4,457.40
	Senior Geotech	-	\$62.97	
	Geotech Engineer	-	\$41.40	
	Senior Structural Engineer	-	\$71.85	
	Structural Engineer	-	\$43.27	
	Senior Roadway Engineer	220 @	\$53.24	\$11,712.80
	Engineer	340 @	\$50.22	\$17,074.80
	Junior Engineer	-	\$32.74	
	Environmental Planner	-	\$51.32	
	Assoc Planner	-	\$32.99	
	CADD	360 @	\$42.71	\$15,375.60
	Graphics / GIS	-	\$35.24	
	Technical Editor	-	\$37.50	
	Contracts	-	\$54.06	
	Office/ Clerical/ Admin	-	\$29.66	
	<b>TOTAL HOURS</b>	1,080	<b>TOTAL DIRECT LABOR</b>	<b>\$55,251.60</b>
<b>MULTIPLIERS</b>				
<b>ESCALATION @</b>	0.00%	(Rate)	\$0.00	
<b>OVERHEAD @</b>	114.16%	(of Total Direct Labor + Escalation)	\$63,075.23	
	<b>TOTAL MULTIPLIERS</b>		<b>\$63,075.23</b>	
<b>OTHER DIRE *** Billed at Actual Cost ***</b>				
<b>ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>AMOUNT</b>
Communication	-	hr	\$1.10	
Health & Safety Assessment	-	hr	\$1.55	
Computer	-	hr	\$4.35	
Production Copier	-	ea	\$0.04	
Outside Repro Services	-	LS	\$1.00	
Postage & Freight	-	ea	\$10.00	
Supplies	-	ea	\$1.00	
Mileage	-	miles	\$0.375	
Travel Expenses	-	LS	\$1.00	
GPS Rental	-	day	\$500.00	
	<b>TOTAL OTHER DIRECT EXPENSES</b>			<b>\$0.00</b>
<b>OUTSIDE SERVICES (w/o fee)</b>				
<b>COMPANY</b>	<b>LABOR</b>	<b>MULTIPLIER</b>	<b>EXPENSES</b>	<b>TOTAL</b>
FPL & Associates				\$12,800.00
	<b>TOTAL OUTSIDE SERVICES</b>			<b>\$12,800.00</b>
<b>FEES</b>				
<b>OUTSIDE SERVICES ADMIN FEE @</b>	2.00%	(of Total Outside Services)	\$256.00	
<b>CH2M HILL @</b>	10.00%	(of Total Direct Labor + Total Multipliers)	\$11,832.68	
	<b>TOTAL FEES</b>		<b>\$12,088.68</b>	
	<b>TOTAL COST</b>		<b>\$143,215.51</b>	

<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 3 - Bid Support Task	<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE:</b> Phase 3 Summary	

**DIRECT LABOR**

CLASSIFICATION	HOURS	RATE	AMOUNT
Project Manager	30 @	\$66.31	\$1,989.30
Environmental Task Leader/Tech Specialist	-	\$74.29	
Senior Consultant	-	\$74.29	
Senior Geotech	-	\$62.97	
Geotech Engineer	-	\$41.40	
Senior Structural Engineer	-	\$71.85	
Structural Engineer	-	\$43.27	
Senior Roadway Engineer	40 @	\$53.24	\$2,129.60
Engineer	-	\$50.22	
Junior Engineer	-	\$32.74	
Environmental Planner	-	\$51.32	
Assoc Planner	-	\$32.99	
CADD	20 @	\$42.71	\$854.20
Graphics / GIS	-	\$35.24	
Technical Editor	-	\$37.50	
Contracts	-	\$54.06	
Office/ Clerical/ Admin	-	\$29.66	
<b>TOTAL HOURS</b>	<b>90</b>	<b>TOTAL DIRECT LABOR</b>	<b>\$4,973.10</b>

**MULTIPLIERS**

<b>ESCALATION @</b>	0.00%	(Rate)	\$0.00
<b>OVERHEAD @</b>	114.16%	(of Total Direct Labor + Escalation)	\$5,677.29
<b>TOTAL MULTIPLIERS</b>			<b>\$5,677.29</b>

**OTHER DIRE \*\*\* Billed at Actual Cost \*\*\***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Communication	-	hr	\$1.10	
Health & Safety Assessment	-	hr	\$1.55	
Computer	-	hr	\$4.35	
Production Copier	-	ea	\$0.04	
Outside Repro Services	-	LS	\$1.00	
Postage & Freight	-	ea	\$10.00	
Supplies	-	ea	\$1.00	
Mileage	-	miles	\$0.375	
Travel Expenses	-	LS	\$1.00	
GPS Rental	-	day	\$500.00	
<b>TOTAL OTHER DIRECT EXPENSES</b>				<b>\$0.00</b>

**OUTSIDE SERVICES (w/o fee)**

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
<b>TOTAL OUTSIDE SERVICES</b>				<b>\$0.00</b>

**FEES**

<b>OUTSIDE SERVICES ADMIN FEE @</b>	2.00% (of Total Outside Services)	\$0.00
<b>CH2M HILL @</b>	10.00% (of Total Direct Labor + Total Multipliers)	\$1,065.04
<b>TOTAL FEES</b>		<b>\$1,065.04</b>
<b>TOTAL COST</b>		<b>\$11,715.43</b>

<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 1 - (PA/ED) Engineering & Management Tasks	<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE: Phase 1</b> A. Project Administration/Project Management	

**DIRECT LABOR**

CLASSIFICATION	HOURS		RATE	AMOUNT
Project Manager	40	@	\$66.31	\$2,652.40
Environmental Task Leader			\$74.29	
Senior Consultant			\$74.29	
Senior Geotech			\$62.97	
Geotech Engineer			\$41.40	
Senior Structural Engineer			\$71.85	
Structural Engineer			\$43.27	
Senior Roadway Engineer			\$53.24	
Engineer			\$50.22	
Junior Engineer			\$32.74	
Environmental Planner			\$51.32	
Assoc Planner			\$32.99	
CADD			\$42.71	
Graphics / GIS			\$35.24	
Contracts			\$54.06	
Office/ Clerical/ Admin			\$29.66	
<b>TOTAL HOURS</b>		40	<b>TOTAL DIRECT LABOR</b> \$2,652.40	

**MULTIPLIERS**

<b>ESCALATION @</b>	0.00%	(Rate)	\$0.00
<b>OVERHEAD @</b>	114.16%	(of Total Direct Labor + Escalation)	\$3,027.98
<b>TOTAL MULTIPLIERS</b>			\$3,027.98

**OTHER DIRE \*\*\* Billed at Actual Cost \*\*\***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
<b>TOTAL OTHER DIRECT EXPENSES</b>				\$0.00

**OUTSIDE SERVICES (w/o fee)**

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
<b>TOTAL OUTSIDE SERVICES</b>				\$0.00

**FEEES**

<b>OUTSIDE SERVICES ADMIN FEE @</b>	2.00%	(of Total Outside Services)	\$0.00
<b>CH2M HILL @</b>	10.00%	(of Total Direct Labor + Total Multipliers)	\$568.04
<b>TOTAL FEES</b>			\$568.04
<b>TOTAL COST</b>			<b>\$6,248.42</b>

<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 1 - (PA/ED) Engineering & Management Tasks	<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE: Phase 1</b> B. Environmental	

**DIRECT LABOR**

CLASSIFICATION	HOURS	RATE	AMOUNT
Project Manager		\$66.31	
Environmental Task Leader/		\$74.29	
Senior Consultant		\$74.29	
Senior Geotech		\$62.97	
Geotech Engineer		\$41.40	
Senior Structural Engineer		\$71.85	
Structural Engineer		\$43.27	
Senior Roadway Engineer		\$53.24	
Engineer		\$50.22	
Junior Engineer		\$32.74	
Environmental Planner	200 @	\$51.32	\$10,264.00
Assoc Planner		\$32.99	
CADD		\$42.71	
Graphics / GIS	72 @	\$35.24	\$2,537.28
Contracts		\$54.06	
Office/ Clerical/ Admin		\$29.66	
<b>TOTAL HOURS</b>	320	<b>TOTAL DIRECT LABOR</b>	<b>\$14,601.28</b>

**MULTIPLIERS**

ESCALATION @	0.00%	(Rate)	\$0.00
OVERHEAD @	114.16%	(of Total Direct Labor + Escalation)	\$16,668.82
<b>TOTAL MULTIPLIERS</b>			<b>\$16,668.82</b>

**OTHER DIRE CH2M HILL**

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Communication		hr	\$1.10	
Health & Safety Assessment		hr	\$1.55	
Computer		hr	\$4.35	
Production Copier		ea	\$0.04	
Outside Repro Services		LS	\$1.00	
Postage & Freight		ea	\$10.00	
Supplies		ea	\$1.00	
Mileage		miles	\$0.375	
Travel Expenses		LS	\$1.00	
GPS Rental		day		
<b>TOTAL OTHER DIRECT EXPENSES</b>				<b>\$0.00</b>

**OUTSIDE SERVICES (w/o fee)**

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
Critigen				\$6,500.00
<b>TOTAL OUTSIDE SERVICES</b>				<b>\$6,500.00</b>

**FEES**

OUTSIDE SERVICES ADMIN FEE @	2.00%	(of Total Outside Services)	\$130.00
CH2M HILL @	10.00%	(of Total Direct Labor + Total Multipliers)	\$3,127.01
<b>TOTAL FEES</b>			<b>\$3,257.01</b>
<b>TOTAL COST</b>			<b>\$41,027.11</b>

<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 2 - (PS&E) Engineering & Management Tasks	<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE: Phase 2</b> C. Project Administration/Project Management	

**DIRECT LABOR**

CLASSIFICATION	HOURS	RATE	AMOUNT
Project Manager	100 @	\$66.31	\$6,631.00
Environmental Task Leader		\$74.29	
Senior Consultant		\$74.29	
Senior Geotech		\$62.97	
Geotech Engineer		\$41.40	
Senior Structural Engineer		\$71.85	
Structural Engineer		\$43.27	
Senior Roadway Engineer		\$53.24	
Engineer		\$50.22	
Junior Engineer		\$32.74	
Environmental Planner		\$51.32	
Assoc Planner		\$32.99	
CADD		\$42.71	
Graphics / GIS		\$35.24	
Technical Editor		\$37.50	
Contracts		\$54.06	
Office/ Clerical/ Admin		\$29.66	
<b>TOTAL HOURS</b>	100	<b>TOTAL DIRECT LABOR</b>	\$6,631.00

**MULTIPLIERS**

ESCALATION @	0.00%	(Rate)	\$0.00
OVERHEAD @	114.16%	(of Total Direct Labor + Escalation)	\$7,569.95
<b>TOTAL MULTIPLIERS</b>			\$7,569.95

**OTHER DIRECT EXPENSES Billed at Actual Cost**

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
<b>TOTAL OTHER DIRECT EXPENSES</b>				\$0.00

**OUTSIDE SERVICES (w/o fee)**

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
<b>TOTAL OUTSIDE SERVICES</b>				\$0.00

**FEES**

OUTSIDE SERVICES ADMIN FEE @	2.00%	(of Total Outside Services)	\$0.00
CH2M HILL @	10.00%	(of Total Direct Labor + Total Multipliers)	\$1,420.09
<b>TOTAL FEES</b>			\$1,420.09
<b>TOTAL COST</b>			\$15,621.04

<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 2 - (PS&E) Engineering & Management Tasks	<b>DATE:</b> 11/17/2014	<b>REV:</b>
<b>PROJECT:</b> Clinton Keith Road		<b>MILESTONE/PHASE:</b> Phase 2 D. Engineering	

**DIRECT LABOR**

CLASSIFICATION	HOURS		RATE	AMOUNT
Project Manager			\$66.31	
Environmental Task Leade			\$74.29	
Senior Consultant	60	@	\$74.29	\$4,457.40
Senior Geotech			\$62.97	
Geotech Engineer			\$41.40	
Senior Structural Engineer			\$71.85	
Structural Engineer			\$43.27	
Senior Roadway Engineer	220	@	\$53.24	\$11,712.80
Engineer	340	@	\$50.22	\$17,074.80
Junior Engineer			\$32.74	
Environmental Planner			\$51.32	
Assoc Planner			\$32.99	
CADD	360	@	\$42.71	\$15,375.60
Graphics / GIS			\$35.24	
Contracts			\$54.06	
Office/ Clerical/ Admin			\$29.66	
<b>TOTAL HOURS</b>	<b>980</b>		<b>TOTAL DIRECT LABOR</b>	<b>\$48,620.60</b>

**MULTIPLIERS**

ESCALATION @	0.00%	(Rate)	\$0.00
OVERHEAD @	114.16%	(of Total Direct Labor + Escalation)	\$55,505.28
<b>TOTAL MULTIPLIERS</b>			<b>\$55,505.28</b>

**OTHER DIRE CH2M HILL**

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
<b>TOTAL OTHER DIRECT EXPENSES</b>				<b>\$0.00</b>

**OUTSIDE SERVICES (w/o fee)**

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
FPL & Associates				\$12,800.00
<b>TOTAL OUTSIDE SERVICES</b>				<b>\$12,800.00</b>

**FEEES**

OUTSIDE SERVICES ADMIN FEE @	2.00%	(of Total Outside Services)	\$256.00
CH2M HILL @	10.00%	(of Total Direct Labor + Total Multipliers)	\$10,412.59
<b>TOTAL FEES</b>			<b>\$10,668.59</b>
<b>TOTAL COST</b>			<b>\$127,594.46</b>



<b>COMPANY:</b> CH2M HILL	<b>SCOPE OF WORK</b> Phase 3 - Bid Support	<b>DATE:</b> 11/7/2014	<b>REV:</b> 1
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<b>PROJECT:</b> Clinton Keith Road	<b>MILESTONE/PHASE: Phase 3</b> E. Bid Support Task
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**DIRECT LABOR**

CLASSIFICATION	HOURS		RATE	AMOUNT
Project Manager	30	@	\$66.31	\$1,989.30
Environmental Task Leader/Tech Specialist	-		\$74.29	
Senior Consultant	-		\$74.29	
Senior Geotech	-		\$62.97	
Geotech Engineer	-		\$41.40	
Senior Structural Engineer	-		\$71.85	
Structural Engineer	-		\$43.27	
Senior Roadway Engineer	40	@	\$53.24	\$2,129.60
Engineer	-		\$50.22	
Junior Engineer	-		\$32.74	
Environmental Planner	-		\$51.32	
Assoc Planner	-		\$32.99	
CADD	20	@	\$42.71	\$854.20
Graphics / GIS	-		\$35.24	
Technical Editor	-		\$37.50	
Contracts	-		\$54.06	
Office/ Clerical/ Admin	-		\$29.66	
<b>TOTAL HOURS</b>	<b>90</b>		<b>TOTAL DIRECT LABOR</b>	<b>\$4,973.10</b>

**MULTIPLIERS**

ESCALATION @	0.00%	(Rate)	\$0.00
OVERHEAD @	114.16%	(of Total Direct Labor + Escalation)	\$5,677.29
<b>TOTAL MULTIPLIERS</b>			<b>\$5,677.29</b>

**OTHER DIRE CH2M HILL**

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
<b>TOTAL OTHER DIRECT EXPENSES</b>				<b>\$0.00</b>

**OUTSIDE SERVICES (w/o fee)**

COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL
<b>TOTAL OUTSIDE SERVICES</b>				<b>\$0.00</b>

**FEEES**

OUTSIDE SERVICES ADMIN FEE @	2.00%	(of Total Outside Services)	\$0.00
CH2M HILL @	10.00%	(of Total Direct Labor + Total Multipliers)	\$1,065.04
<b>TOTAL FEES</b>			<b>\$1,065.04</b>
<b>TOTAL COST</b>			<b>\$11,715.43</b>

## ATTACHMENT B

POSITION OR CLASSIFICATION	MAXIMUM HOURLY RATE
PIC & Roadway QA/QC	\$111.89/hour
Project Manager	\$74.63/hour
Roadway Task Leader	\$59.92/hour
Sr. Roadway Engineer	\$90.82/hour
Roadway Engineer	\$57.20/hour
CADD	\$62.72/hour
Technical Editor	\$61.75/hour
Clerical	\$42.44/hour
Contracts	\$75.49/hour
Sr. Drainage Engineer	\$83.61/hour
Drainage Engineer	\$55.22/hour
Geotech QA/QC	\$125.49/hour
Sr. Geotech Engineer	\$94.66/hour
Geotech Engineer	\$81.60/hour
Structural QA/QC	\$87.01/hour
Sr. Structural Engineer	\$80.87/hour
Structural Engineer	\$48.70/hour
Environmental Task Lead	\$100.32/hour
Sr. Scientist	\$81.44/hour
Sr. Specialist	\$133.04/hour
Planner	\$57.76/hour
Jr. Planner	\$52.45/hour