

AMENDMENT NO. 17

AGREEMENT FOR PROFESSIONAL SERVICES  
FOR  
PHASE 4 FEATHER RIVER LEVEE REPAIRS  
BETWEEN  
THREE RIVERS LEVEE IMPROVEMENT AUTHORITY AND  
BOOKMAN-EDMONSTON/GEI CONSULTANTS

THIS 17<sup>th</sup> AMENDMENT TO AGREEMENT is made effective May 19, 2015, by and between Three Rivers Levee Improvement Authority (“TRLIA”) and Bookman-Edmonston/GEI Consultants, a division of GEI Consultants, Inc. (“Contractor”), who agree as follows:

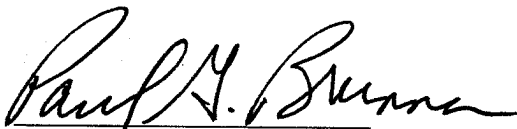
1. **Recitals.** This Amendment is made with reference to the following background recitals:
  - 1.1. Effective December 13, 2005, the parties entered into the Agreement for Professional Services relating to TRLIA’s Phase 4 Feather River Levee project with a contract value of \$1,439,400.
  - 1.2. Effective April 25, 2006, the parties entered into Amendment No. 1 to the Agreement for Professional Services relating to TRLIA’s Phase 4 Feather River Levee Repair design in the amount of \$3,082,240 for a total contract value of \$4,521,640.
  - 1.3. Effective June 27, 2006, the parties entered into Amendment No. 2 to the Agreement for Professional Services relating to TRLIA’s Phase 4 Feather River Levee Repair design in the amount of \$32,700 for a total contract value of \$4,554,340.
  - 1.4. Effective October 30, 2006, the parties entered into Amendment No. 3 to the Agreement for Professional Services relating to TRLIA’s Phase 4 Feather River Levee Repair design in the amount of \$262,500 for a total contract value of \$4,816,840.
  - 1.5. Effective January 16, 2007, the parties entered into Amendment No. 4 to the Agreement for Professional Services relating to TRLIA’s Phase 4 Feather River Levee Repair design in the amount of \$115,000 for a total contract value of \$4,931,840.
  - 1.6. Effective April 3, 2007, the parties entered into Amendment No. 5 to the Agreement for Professional Services relating to TRLIA’s Phase 4 Feather River Setback Levee design in the amount of \$5,860,244 for a total contract value of \$10,792,084.
  - 1.7. Effective September 18, 2007, the parties entered into Amendment No. 6 to the Agreement for Professional Services relating to TRLIA’s Phase 4 Feather River Setback Levee design in the amount of \$1,963,660 for a total contract value of \$12,755,744.

- 1.8. Effective April 15, 2008, the parties entered into Amendment No. 7 to the Agreement for Professional Services relating to TRLIA's Phase 4 Feather River Setback Levee design in the amount of \$636,300 for a total contract value of \$13,392,044.
- 1.9. Effective June 17, 2008, the parties entered into Amendment No. 8 to the Agreement for Professional Services relating to TRLIA's Phase 4 Feather River Setback Levee design in the amount of \$5,671,000 for a total contract value of \$19,063,044.
- 1.10. Effective September 8, 2008, the parties entered into Amendment No. 9 to the Agreement for Professional Services relating to TRLIA's Phase 4 Feather River Setback Levee design in the amount of \$358,200 for a total contract value of \$19,421,244.
- 1.11. Effective November 18, 2008, the parties entered into Amendment No. 10 to the Agreement for Professional Services relating to TRLIA's Phase 4 Feather River Setback Levee design in the amount of \$536,764 for a total contract value of \$19,958,008.
- 1.12. Effective July 9, 2009, the parties entered into Amendment No. 11 to the Agreement for Professional Services relating to TRLIA's Phase 4 Feather River Setback Levee design in the amount of \$829,986 for a total contract value of \$20,787,994.
- 1.13. Effective May 18, 2010, the parties entered into Amendment No. 12 to the Agreement for Professional Services relating to TRLIA's Phase 4 Feather River Setback Levee design in the amount of \$860,948 for a total contract value of \$21,648,942.
- 1.14. Effective May 17, 2011, the parties entered into Amendment No. 13 to the Agreement for Professional Services relating to TRLIA's Phase 4 Feather River Setback Levee design in the amount of \$668,980 for a total contract value of \$22,317,922 and to extend the contract termination date to December 31, 2013.
- 1.15. Effective December 18, 2012, the parties entered into Amendment No. 14 to the Agreement for Professional Services relating to TRLIA's Phase 4 Feather River Setback Levee design in the amount of \$433,813 for a total contract value of \$22,751,735.
- 1.16. Effective January 21, 2014, the parties entered into Amendment No. 15 to the Agreement for Professional Services relating to TRLIA's Phase 4 Feather River Levee Improvement Project to extend the contract termination date to December 31, 2014.
- 1.17. Effective February 17, 2015, the parties entered into Amendment No. 16 to the Agreement for Professional Services relating to TRLIA's Phase 4 Feather River Levee Improvement Project to extend the contract termination date to December 31, 2016.
- 1.18. The parties now desire to amend the Professional Services Agreement to add additional tasks and increase the contract budget.

2. **Seventeenth Amendment to Agreement.** The Professional Services Agreement is hereby amended as follows:
- 2.1. The scope of services (Attachment A to the Agreement for Professional Services between TRLIA and B-E/GEI, dated December 13, 2005) is amended to expand the scope of work as described by letter dated April 23, 2015 (Exhibit A) to address additional tasks for Urban Levee Certification and for complex maintenance actions as well as other potential additional/out of scope work items for the Feather River Levee Repair Project.
- 2.2. The payment, budget, and not-to-exceed amounts (Professional Services Agreement Attachment B) are amended by the attached Exhibit A to include the additional amount of \$311,270 for a total contract of \$23,063,005.
3. **No Effect on Other Provisions.** Except for the amendments in Section 2, the remaining provisions of the Professional Services Agreement shall be unaffected and remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on  
May 19, 2015


THREE RIVERS LEVEE IMPROVEMENT  
AUTHORITY OF YUBA COUNTY



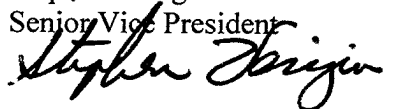
Paul G. Brunner  
Executive Director

ATTEST:  
DONNA STOTTEMEYER  
SECRETARY, THREE RIVERS

BOOKMAN-EDMONSTON, A  
DIVISION OF GEI  
CONSULTANTS, INC.

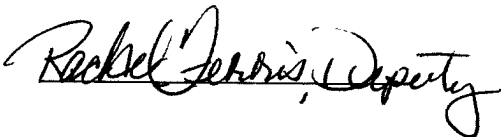


Stephen Verigin  
Senior Vice President



APPROVED AS TO FORM:  
ANDREA P. CLARK  
GENERAL COUNSEL, TRLIA

*Andrea P. Clark.*



## Exhibit A



180 Grand Ave., Suite 1410  
Oakland, California 94612  
510-350-2900  
FAX 510-350-2901

April 23, 2015  
050115

Mr. Paul Brunner, Executive Director  
Three Rivers Levee Improvement Authority  
1114 Yuba Street, Suite 218  
Marysville, CA 95901

**Re:** Agreement for Professional Services on Three Rivers Levee Improvement Authority's Phase 4 Feather River Levee Repair Project – Request for Amendment No. 17

Dear Mr. Brunner:

In follow up to recent conversations with Mr. Larry Dacus, TRLIA Design Manager, the purpose of this letter is to present scope of work and cost estimates for addressing additional work items for continued support for TRLIA's levee repair program.

As TRLIA proceeds with the 200-year criteria determination and supports RD 784 with operation and maintenance activities, additional work items have been identified that TRLIA would like GEI to provide assistance with. The purpose of this Amendment No. 17 is to conform the project scope and budget to these current project requirements as they are now understood by the TRLIA team. The work items currently identified are described below. The cost estimates for these additional work items are included in Attachment 1. In summary, we estimate that a net budget increase of \$311,270 is needed to complete the work items described below.

### **Develop Post-Earthquake Remediation Plan**

GEI has been supporting TRLIA's efforts toward making the determination that RD 784 meets the State 200-year Urban Levee Design Criteria (ULDC). As part of these efforts, GEI performed seismic vulnerability analyses of the Bear River Setback Levee, Feather River Levee Segments 1 and 3, and Feather River Setback Levee (Segment 2). These analyses indicate that portions of the levee segments noted above are potentially subject to large seismically induced deformations from 200-year-return-period ground motions. For those portions of levee that are potentially subject to large seismically induced deformations, ULDC requires that a post-earthquake remediation plan be developed as part of a flood safety plan in coordination with pertinent local, State, and federal agencies. TRLIA has requested that GEI prepare this plan for the segments of levee included in GEI's evaluation. The proposed post-earthquake remediation plan (Plan) is described below:

- Provisions will be identified for integration into a local flood safety plan. These provisions will include:
  - Provisions specific to post-earthquake emergency preparations, mobilization, and repairs. This includes procedures for initial data gathering and immediate response actions. Follow-up procedures may also include provisions for interim and long-term repairs.
  - Provisions for public notifications.
  - Provisions for Plan coordination with pertinent local, State, and federal agencies.
  
- The portions of levee that were identified as potentially susceptible to seismic softening will be confirmed or updated using a more refined assessment of shear strengths. Based on the results to the refined seismic evaluation, an estimate will be performed to quantify the general magnitude of soil and other materials that would be required to restore a modest level of flood protection within 8 weeks to avoid prolonged exposure of the community during the flood season. A general set of repair procedures will also be developed for the interim remediation of cracked and slumped levee sections. These estimates and repair procedures will be coordinated with TRLIA and RD784. Specifically, the following information will be developed:
  - Develop an initial estimate of the amounts and locations of material needed to restore the levee system's grade and dimensions (e.g., appropriate crown width – such as 20 feet along a major stream – and 3H:1V levee slopes) sufficient for protection against the 10-year flood, with 3 feet of freeboard.
  - Identify potential borrow areas and/or stockpiles that could provide the materials needed for interim repairs.
  - Identify potential haul routes for fill placement.
  - Provide general procedures for excavating and filling cracks, removing disturbed or slumped ground, and keying in new fill.
  - Identify the potential needs for and sources of slope protection for the newly placed fill.
  
- The Post-Earthquake Remediation Plan will present information described above, including:
  - Estimated locations and extents of seismically induced settlement and the degree of remedial response, within 8 weeks, sufficient to provide for protection against the 10-year flood, with 3 feet of freeboard.
  - Preliminary mapping of potential borrow areas and haul routes.
  - Current agencies contact criteria and procedures.
  - General provisions for initial post-earthquake mobilization, including: data gathering, immediate response actions, public notifications and agencies coordination.
  - General provisions and procedures for interim repairs.
  - General provisions for long-term repairs.

**Key Assumptions:**

- The Post-Earthquake Remediation Plan does not address other components of the ULDC-required general flood safety plan, including: a levee patrol element, a flood-fight plan element, a floodwater removal element, and an evacuation plan.
- Preparation of the Post-Earthquake Remediation Plan is a paper study. No field explorations or laboratory analyses will be performed.

**Deliverables:**

- Draft and final Post-Earthquake Remediation Plan

**Relief Well Development Support**

Performance testing of relief wells by RD 784 is an ongoing effort, generally performed every five years in accordance with the United States Army Corps of Engineers (USACE) Engineering Manual for Design, Construction, and Maintenance of Relief Wells (EM 1110-2-1914). Performance testing by RD 784 in 2013 and 2014 indicated that six wells produced excessive sand and may require additional development. GEI evaluated the RD 784 performance testing reports and prepared a memo dated November 18, 2014 with recommendations for conducting additional development for the six identified wells. In discussions with TRLIA and RD 784, GEI was asked to perform this additional well development and testing, and provide recommendations for RD 784' future performance testing program.

Specifically, the well development program will include the following:

- Well RW-7-05: conduct redevelopment, pump development and performance testing.
- Wells RW-4-8A, 4-10A, and 4-13A: conduct additional pump development to clear the wells followed by performance testing.
- Wells RW-B09 and RW-B14: conduct additional redevelopment with monitoring and refilling of filter pack. If the wells do not stabilize, consider conducting a downhole video survey to verify the well screen is fully surrounded by the filter pack, and reevaluate the conditions based on the results of the tests and videos.

GEI has received quotations from several well drillers, and in coordination with RD 784 and TRLIA will subcontract with Cascade Drilling to perform the development and testing. All well development and testing will be supervised by a GEI geologist.

**Key Assumptions:**

- For budgeting purposes, we have assumed up to seven days of well development and testing
- The budget is based on quotation received from Cascade Drilling

**Deliverables:**

- Draft and final memo summarizing the well development and testing program

**Video-Inspection of RD 784 Pipelines**

Inspection of pipeline penetrations by RD 784 will be necessary for compliance with the Urban Levee Design Criteria (ULDC). Section 7.13.6 of the ULDC states that, at 5-year intervals, the interiors of all pipes and culvert penetrations need to be visually inspected

and/or pressure tested. TRRIA has requested that GEI perform visual inspections of the interiors of pipeline penetrations (pump station discharge lines and box culvert drains) under the control of RD 784. Specific locations where the inspections will be performed are as follows:

- South Olivehurst Detention Basin Pump Station – Four 36” diameter steel cement mortar lined concrete pipes (each approximately 290 feet long) and one 8’ wide by 5’ high reinforced concrete box culvert (approximately 80 feet long).
- Pump Station No. 2 – Three 36” diameter HDPE pipes (each approximately 450 feet long) and one 7’ wide by 5’ high reinforced concrete box culvert (approximately 370 feet long).
- Pump Station No. 3 – Four 36” diameter HDPE pipes (each approximately 900 feet long).
- Pump Station No. 6 – Four 42” diameter HDPE pipes (each approximately 380 feet long) and one 8’ wide by 6’ wide reinforced concrete box culvert (approximately 450 feet long).
- Pump Station No. 9 – One 36” diameter steel pipe approximately 255 feet long
- Pump Station No. 10 – Two 36” diameter HDPE pipes approximately 320 feet long.

In addition, a level-of-effort has also been included for video inspection of the privately-owned pipelines listed below. These would only be inspected with the concurrence of the respective Owners and provided access is furnished for inspection:

- Plumas Mutual Pump Station – One 22” diameter and one 30” diameter HDPE pipe (each pipe approximately 270 feet long).
- Linda County WTP outfall – One 42” RCC / Cement mortar lined and coated steel pipe approximately 675 feet long.

The pipeline inspection surveys will include the following activities:

- Pre-survey coordination with RD 784 and pipeline Owner personnel including a coordination site visit to the eight pump station sites to confirm logistics for access to the pump station sites and pipeline facilities.
- Video inspection surveys will be performed using video camera equipment mounted to a remote operating vehicle for 21 pipeline penetrations at the pump station locations described above. The video inspection surveys will be performed using a high resolution color camera with rotating head, remote iris and light control mounted on a ROV. The ROV will have the capability to record relative travel distance along the pipeline for reference. Any noted deficiencies or other features of interest will be recorded on the video or separate record logs.
- Manned confined space entry and color video documentation will be performed at the three gravity box culvert locations associated with the pump stations. Defects or other features of interest in the box culvert structure will be recorded on the video or separate record logs.

- A memorandum will be prepared that presents findings of the inspections, including summary logs of the inspections with any noted defects or other features of interest. The memorandum will also indicate whether there are significant deficiencies observed in the pipelines that would need to be further evaluated or repaired to meet the requirements of the ULDC.

**Key Assumptions:**

- Pre-survey inspection coordination with RD 784, Plumas Mutual, and Linda County Water Treatment Plant representatives will be required. For budgetary purposes it is assumed that a one-day site visit will be performed.
- Pipelines and box culverts can be readily accessed from outfall entrances or valve vaults. RD 784, Plumas Mutual, and LCWTP will provide the personnel and equipment necessary to assist the video inspection subcontractor with access (e.g. lifting of flap gates, unlocking of and lifting of access hatches to gate vaults).
- Confined space entry permitting of the box culvert structures will be performed by the pipeline inspection subcontractor, Subtronic Corporation.
- Plumas Mutual Company and LCWTP will be able to temporarily place their pumps out of service for a minimum four hour duration, and allow access and standby assistance for GEI and RD 784 representatives.
- For budgeting purposes, we have assumed up to ten days of pipeline ROV video inspection and two days of manned video inspection of the box culvert structures.
- The budget assumes that the pipeline inspection will be scheduled concurrent with the planned construction of the Segment 1 berm so that the GEI construction inspector can also cover field coordination during pipeline inspection.
- The budget is based on quotation received from Subtronic Corporation.

**Deliverables:**

- Draft and final memorandum summarizing the video inspection surveys. A DVD of the video inspections will be included as an attachment to the final memorandum.

**Continued Project Management and O&M Support Through 2016**

TRLIA has requested GEI's continued project support in addressing as-needed project and O&M support. This support could include:

- Historical design support for issues related to the Feather River Levee and Bear River Setback Levee
- Support to TRLIA for Feather River Setback Area land use issues
- Support TRLIA in assisting RD 784 with levee O&M matters
- Project management support
- Other miscellaneous support issues as requested

**Key Assumptions:**

- Miscellaneous project support through 2016
- 8 hours per month of miscellaneous project management support
- Allowance of 80 hours for as-needed O&M support



**Deliverables:**

- Monthly invoice and progress report.

As agreed to in previously agreed to, GEI has reduced the mark-up on subcontracts to 10%. The GEI fee schedule is included in Attachment 2.

The scope and budget adjustments contained herein represent our best estimate at this time to perform the activities discussed above. With this said, we strive to conduct our work as efficiently as possible. We will manage our efforts and strive to keep actual costs under the approved budget.

We are pleased with the opportunity to work with you and your staff during the final phase of this vitally important project. Please call me or Dan Wanket if you have any questions.

Sincerely,  
GEI Consultants,

A handwritten signature in black ink that reads "Alberto Pujol". The signature is written in a cursive style with a horizontal line striking through the middle of the name.

Alberto Pujol, P.E., G.E.  
Project Manager

Attachments 1 and 2

C: Larry Dacus and Ric Reinhardt (TRLIA/MBK Engineers)  
Steve Verigin and Dan Wanket (GEI Consultants)

# **Attachment 1**

## **Cost Estimate Tables**

**Table 1**  
**Three Rivers Levee Improvement Project**  
**Cost Estimate - Amendment No. 17**

4/23/2015

Work Item	Estimated Cost for Out-of-Scope Items					Comments/Assumptions
	GEI Costs (2008 rate Schedule)				Total	
	Hours	Rate	Labor Cost	Est. ODC		
Develop Post-Earthquake Remediation Plan	446	76,478	2,000		78,478	- see Table 2
Relief Well development	204	40,212	57,000		97,212	- see Table 2
Video-Inspection of RD 784 Pipelines	192	31,544	37,500		69,044	- see Table 2
Continued Project Management & O&M Support Through 2016	272	66,536	0		66,536	- see Table 2
<b>Total Estimated Cost</b>					<b>\$311,270</b>	

**Notes:**

- 1) Other Possible items not included at this time:
  - Preparation of design and construction support for replacement relief wells if needed
  - remediation of penetrations if video inspection reveals any deficiencies
- 2) If TRLIA determines that these or other issues need to be addressed, GEI will prepare a scope and budget for subsequent contract amendment
- 3) Environmental compliance if needed to be performed by others directly for TRLIA
- 4) Survey support if required to be provided by TRLIA

Table 2  
 Three Rivers Levee Improvement Project  
 Cost Estimate Detail for CO 17  
 4/23/2015

Item	Gr6	Gr7	Gr8	Gr5	Gr4	Gr3	Draft	Adm	Gr1	Gr2	G&I Est. LOE	Estimated Cost Labor Cost (2008 rates) Subcontractor ODC's	Total Estimate Cost	Comments / Assumptions
	253	225	190	167	141	126	55	94	126	126				
<b>Develop Post-Earthquake Remediation Plan</b>														
Identify basic provisions - emergency preparedness, mobilization, evaluations, immediate actions and reports repairs	12		48		12						72	\$13,846	\$500	\$14,348 - estimated LOE
Revise seismic vulnerability evaluations, estimate locations & extent of seismic induced settlement	8			54		30					92	\$14,822	\$500	\$15,322 - estimated LOE
Interim repair materials, equipment & procedures	12		92		24						128	\$23,900	\$500	\$24,400 - estimated LOE - 10-year water surface provided by TRLIA
Prepare Post-Earthquake Remediation Plan	16		88				40	10			154	\$23,908	\$500	\$24,408 - estimated LOE - one round of reviews
<b>Total - Develop Post-Earthquake Remediation Plan</b>	<b>48</b>	<b>0</b>	<b>228</b>	<b>54</b>	<b>36</b>	<b>30</b>	<b>40</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>446</b>	<b>\$76,478</b>	<b>\$0</b>	<b>\$78,478</b>
<b>Relief Well development</b>														
Subcontract / coordination		4			8						12	\$2,028		\$2,028 - assumed LOE
Relief well development	4	24		60							88	\$16,432	\$1,000	\$73,432 - drilling cost per Cascade submittal, w/20% contingency - assume up to 7 days in field
Relief well - summary memo	8	16		40							64	\$12,304		\$12,304 - assumed LOE
Prepare recommendations for updated relief well O&M requirements	16	24									40	\$9,448		\$9,448 - assumed LOE
<b>Total - Relief Well development</b>	<b>28</b>	<b>68</b>	<b>0</b>	<b>100</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>204</b>	<b>\$40,212</b>	<b>\$1,000</b>	<b>\$97,212</b>
<b>Video-Inspection of RD 784 Pipelines</b>														
Site visit		8			8						16	\$2,808		\$3,308 - assume one-day site visit
Coordination with RD 784 and private utility owners		8				32					40	\$5,832		\$5,832 - Allowance
Video and Manned Walkthrough Inspections		24			8						32	\$8,408	\$1,000	\$43,408 - Assume work is conducted simultaneous with construction of Segment 1 berm, so Segment 1 field inspector can also provide field coordination with subcontractor
Memorandum Preparation	8	24				72					104	\$18,496		\$18,496 - Assume two to three hours per pipeline to review inspection videos and summarize in log/table format, and prepare summary memo write-up.
<b>Total - Video-Inspection of RD 784 Pipelines</b>	<b>8</b>	<b>64</b>	<b>0</b>	<b>0</b>	<b>120</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>192</b>	<b>\$31,544</b>	<b>\$1,500</b>	<b>\$69,044</b>
<b>Continued Project Management &amp; O&amp;M Support Through 2016</b>														
PM Support thru 2016											192	\$48,576		\$48,576 - assume 8 hours per month for 24 months
Allowance for O&M Support		40		20							80	\$17,960		\$17,960 - allowance
<b>Total - Continued Project Management &amp; O&amp;M Support Through 2015</b>	<b>232</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>272</b>	<b>\$66,536</b>	<b>\$0</b>	<b>\$66,536</b>

# **Attachment 2**

## **GEI Fee Schedule**

**FEE SCHEDULE**

<u>Personnel Category</u>	<u>Hourly Billing Rate</u> \$ per hour
Staff Professional – Grade 1	\$ 104
Staff Professional – Grade 2	\$ 114
Project Professional – Grade 3	\$ 126
Project Professional – Grade 4	\$ 141
Senior Professional – Grade 5	\$ 167
Senior Professional – Grade 6	\$ 190
Senior Professional – Grade 7	\$ 225
Senior Consultant – Grade 8	\$ 253
Senior Consultant – Grade 9	\$ 312
Senior Principal – Grade 10	\$ 312
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Senior CADD Drafter and Designer	\$ 126
CADD Drafter / Designer and Senior Technician	\$ 114
Technician, Word Processor, Administrative Staff	\$ 94
<u>Office Aide</u>	<u>\$ 73</u>

These rates are billed for both regular and overtime hours in all categories. Rates will increase up to 5% annually, at GEI's option, for all contracts that extend beyond twelve (12) months after the date of the contract. Rates for Deposition and Testimony are increased 1.5 times.

**OTHER PROJECT COSTS**

**Subconsultants, Subcontractors and Other Project Expenses** - All costs for subconsultants, subcontractors and other project expenses will be billed at cost plus a <sup>10%</sup>~~12%~~ service charge. Examples of such expenses ordinarily charged to projects are subcontractors; subconsultants: ~~chemical~~ laboratory charges; rented or leased field and laboratory equipment; outside printing and reproduction; communications and mailing charges; reproduction expenses; shipping costs for samples and equipment; disposal of samples; rental vehicles; fares for travel on public carriers; special fees for insurance certificates, permits, licenses, etc.; fees for restoration of paving or land due to field exploration, etc.; state sales and use taxes and state taxes on GEI fees. D  
4/13/15

**Billing Rates for Specialized Technical Computer Programs** – Computer usage for specialized technical programs will be billed at a flat rate of \$10.00 per hour in addition to the labor required to operate the computer.

**Field and Laboratory Equipment Billing Rates** – GEI-owned field and laboratory equipment such as pumps, sampling equipment, monitoring instrumentation, field density equipment, portable gas chromatographs, etc. will be billed at a daily, weekly, or monthly rate, as needed for the project. Expendable supplies are billed at a unit rate.

**Transportation and Subsistence** - Automobile expenses for GEI or employee owned cars will be charged at the rate per mile set by the Internal Revenue Service for tax purposes plus tolls and parking charges or at a day rate negotiated for each project. When required for a project, four-wheel drive vehicles owned by GEI or the employees will be billed at a daily rate appropriate for those vehicles. Per diem living costs for personnel on assignment away from their home office will be negotiated for each project.

**PAYMENT TERMS**

Invoices will be submitted monthly or upon completion of a specified scope of service, as described in the accompanying contract (proposal, project, or agreement document that is signed and dated by GEI and CLIENT).

Payment is due upon receipt of the invoice. Interest will accrue at the rate of 1% of the invoice amount per month, for amounts that remain unpaid more than 30 days after the invoice date. All payments will be made by either check or electronic transfer to the address specified by GEI and will include reference to GEI's invoice number.

The foregoing instrument is a Correct Copy of the original on file in this office  
 ATTEST: DONNA STOTTEMEYER  
 Clerk of the Board of Supervisors of the  
 County of Yuba, State of California

By Rachel Jenkins, Deputy  
 Date: May 20, 2015