

**AMENDMENT NO. 3
TO AGREEMENT BY AND BETWEEN
MONTEREY COUNTY WATER RESOURCES AGENCY &
GEI CONSULTANTS, INC.**

THIS AMENDMENT NO. 3 is made to the Agreement for Services between the Monterey County Water Resources Agency, a political subdivision of the State of California (hereinafter, “Agency”) and GEI Consultants, Inc (hereinafter, “CONTRACTOR”) is hereby entered into between the Agency and the CONTRACTOR (collectively, the Agency and CONTRACTOR are referred to as the “Parties”).

WHEREAS CONTRACTOR entered into an Agreement for Services with the Agency on June 22, 2022, (hereinafter, “Agreement”); and

WHEREAS, on August 8, 2022, the Parties entered into Amendment No. 1 to the Agreement, thereby amending the Agreement by adding \$89,940 for a total contract amount of \$227,620; and

WHEREAS, on August 2, 2023, the Parties entered into Amendment No. 2 to the Agreement, thereby extending the term of the Agreement to June 30, 2026; and

NOW THEREFORE, the Agency and CONTRACTOR hereby agree to amend the AGREEMENT in the following manner:

1. Amend **Section 1**, Employment of CONTRACTOR” to read as follows:

Employment of CONTRACTOR. Agency hereby engages CONTRACTOR and CONTRACTOR hereby agrees to perform the services set forth in Exhibits E in conformity with the terms of this Agreement.

- (a) The work to be performed is generally described as follows:

Engineering services for Nacimiento Dam including design of a penstock protection wall.

- (b) The CONTRACTOR shall perform its services under this agreement in accordance with usual and customary care and with generally accepted practices in effect at the time the services are rendered. The CONTRACTOR and its agents and employees performing work hereunder are specially trained, experienced, competent, and appropriately licensed to perform the work and deliver the services required by this Agreement.
- (c) CONTRACTOR, its agents and employees shall perform all work in a safe and skillful manner and in compliance with all applicable laws and regulations. All work performed under this Agreement that is required by law to be performed or supervised by licensed personnel shall be performed in accordance with such licensing requirements.
- (d) CONTRACTOR shall furnish, at its own expense, all materials and equipment necessary to carry out the terms of this Agreement, except as otherwise provided

herein. CONTRACTOR shall not use Agency premises, property (including equipment, instruments, or supplies) or personnel for any purpose other than in the performance of its obligations hereunder.

2. Section 2, Term of Agreement. The term of this agreement shall begin on June 22, 2022, by CONTRACTOR and Agency, and will terminate on December 31, 2027, unless earlier terminated as provided herein.
3. Amend **Section 3**, “Payments to CONTRACTOR; maximum liability”, amended to read as follows:

Subject to the limitations set forth herein, Agency shall pay CONTRACTOR in accordance with the payment provisions and labor rates set forth in Exhibit F. The maximum amount payable to the contractor under this contract is **Four Hundred Seventy-Seven Thousand Two Hundred Ninety-Six dollars (\$477,296)**.

Original Agreement	\$ 137,680
Amendment No. 1	\$ 89,940
<u>Amendment No. 2</u>	<u>\$ 249,676</u>
Not to exceed total:	\$ 477,296

4. Except as provided herein, all remaining terms, conditions and provisions of the AGREEMENT are unchanged and unaffected by this AMENDMENT NO. 3 and shall continue in full force and effect as set forth in the AGREEMENT.
5. A copy of this AMENDMENT NO. 3 shall be attached to the original AGREEMENT dated June 22, 2022.

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IN WITNESS WHEREOF, the parties have executed this AMENDMENT NO. 3 on the day and year written below.

MONTEREY COUNTY WATER
RESOURCES AGENCY

CONTRACTOR

General Manager

By:
Signature of Chair, President, or
Vice-President

Dated:

Printed Name and Title

Approved as to Fiscal Provisions:

Dated:

Deputy Auditor/Controller

By:
(Signature of Secretary, Asst. Secretary, CFO,
Treasurer or Asst. Treasurer)*

Dated:

Approved as to Liability Provisions:

Printed Name and Title

Risk Management

Dated:

Dated:

Approved as to Form:

Chief Assistant County Counsel

Dated:

*INSTRUCTIONS: If CONTRACTOR is a corporation, including limited liability and non-profit corporations, the full legal name of the corporation shall be set forth above together with the signatures of two specified officers. If CONTRACTOR is a partnership, the name of the partnership shall be set forth above together with the signature of a partner who has authority to execute this Agreement on behalf of the partnership. If CONTRACTOR is contracting in an individual capacity, the individual shall set forth the name of the business, if any, and shall personally sign the Agreement.

Exhibit E

Scope of Work



June 18, 2025

foxworthymel@co.monterey.ca.us

Consulting
Engineers and
Scientists

Mark Foxworthy, P.E.
Chief Dam Safety Engineer
Monterey County Water Resource Agency
1441 Schilling Place
Salinas, CA 93901

**Subject: Proposal for Design of Penstock Protection at Nacimiento Dam Powerhouse
San Luis Obispo County, California**

Dear Mr. Foxworthy:

GEI Consultants, Inc. (GEI) is submitting this proposal and cost estimate to Monterey County Water Resources Agency (MCWRA) for design services to protect the exposed penstock conduit at the Nacimiento Dam Powerhouse from soil and rockfall debris generated from the adjacent slope. This proposal is based on the scope of work discussed during the conference call between GEI, MCWRA, and MCWRA consultant Mr. John Hollenbeck on May 28, 2025, on historical data provided to date by MCWRA.

PROJECT BACKGROUND AND UNDERSTANDING

In March 1995 after a high rainfall period, a slope failure occurred above the Nacimiento Powerhouse, depositing debris along the south side of the Powerhouse and 66-inch diameter penstock located on the west side of the Powerhouse. The event triggered an evaluation of the slope above the Powerhouse, which was performed by Rust Environment and Infrastructure (Rust; 1995) later that year.

The characterization of the site was documented in two reports by Rust (1995); one report concentrated on the slope directly above the Powerhouse and the other focused on the higher part of the slope along Lake Nacimiento Drive. Maintaining road access for public access and dam safety along Lake Nacimiento Drive is an important responsibility of MCWRA. The 1995 investigations were relatively comprehensive and included geologic mapping, geotechnical borings, and test pits. Rust's recommendations for stabilizing the slope and roadway were extensive and included an alternative for relocating Lake Nacimiento Drive about 10 to 15 feet into the hillside (south). Realigning the roadway would be a costly and time-consuming endeavor that warrants consideration of all feasible alternatives.

The 2014 6th FERC Part 12D Report recommended "the geology and drainage condition above the Powerhouse should be reviewed. The landslide and debris flow hazard to the Powerhouse should be addressed to assure long-term safety and operation of the Powerhouse."

The 2019 7th FERC Part 12D Potential Failure Mode Analysis (PFMA) identified Potential Failure Mode (PFM) O-1: "A slope failure causes damage to or inoperability of the exposed Low-Level conduit or Low-Level Outlet valves. (This is operational because the failure mode can be initiated independent of the reservoir level or flood event)." PFM O-1 is a Category II (Credible, Moderately Likely) PFM.

In response to the 2014 and 2019 6th and 7th FERC Part 12D recommendations, GEI personnel performed and documented a geologic evaluation of the slopes above the Nacimiento Powerhouse in a draft report in November 2019. The report concluded that the condition of the slopes above the Powerhouse do not differ significantly from those described by RUST in 1995 and recommended various slope hazard mitigation measures and slope drainage system improvements.

In February 2023, GEI personnel conducted a site reconnaissance along the downstream right abutment slopes as part of an emergency response and assessment following significant storm events in January 2023. As a follow-up to the 2023 storm damage, in 2024, GEI re-evaluated slopes above the powerhouse, in addition to other impacted areas, to update and expand the 2019 focus study. GEI's recommendations were largely unchanged from the 2019 evaluation.

In 2024, GEI designed emergency roadway stabilization plans for the storm damaged sites along the access road above the powerhouse. As part of these planned repairs, the roadway fill above the powerhouse will be retained with a Hilfiker wall. These emergency repairs were limited to restoring the roadway to a pre-damage state, and do not address the vulnerability of the penstock and conduits to potential debris material upslope and downslope of the roadway. Therefore, MCWRA has requested GEI evaluate and design a mitigation method to protect the penstock from upslope debris.

SCOPE OF SERVICES

As noted above, the penstock remains unprotected from the slope above the powerhouse. The exposed area of the penstock also serves as the drainage route for the upslope area that drains through a half round surface drain that extends up the dam to the west. GEI will develop and evaluate alternatives based on the previous slope evaluations in addition to a detailed site reconnaissance and survey of the toe of the slope adjacent to the penstock. Alternatives will be reviewed with MCWRA for selection of the preferred option. Once the preferred option is selected, GEI will develop plans, specifications, and an opinion of probable construction cost (OPCC) for construction.

Based on our understanding of the project, we proposed the following scope of services:

Task 1 – Project Management

GEI Project Management will include general oversight of project details during the Work, as well as general project management, administration, and QA/QC by GEI's Project Manager and Lead Design Engineer. GEI PM services also include progress meetings during the contract period, including the GEI PM and/or Lead Design Engineer and up to two members of the GEI Design Team, as needed. An agenda and meeting minutes/notes will be prepared for each meeting.

Task 1 Deliverables:

- Agenda and Meeting minutes.

Task 1 Assumptions:

- Labor hours, grades, and task distributions are for budgeting purposes only. The actual labor and task distribution will be based on efficiently performing the work as ordered and approved by MCWRA.
- GEI anticipates up to five (5) two-hour progress meetings with MCWRA during the performance of the work, with up to three (3) GEI Design and PM participants. Includes one (1) hour for preparation and minutes/action items for each meeting.

Task 2 – Review Existing Documentation, Field Reconnaissance and Survey

Prior to performing field reconnaissance GEI will review existing documentation of the penstock and powerhouse construction, and the site geology. In addition to the two 1995 Rust reports cited in the scope of work; other data includes, but may not be limited to:

- Data and documentation from the 2019 and 2024 geologic evaluations of slopes above the Powerhouse performed by GEI.
- Data and documentation from 2023 emergency response efforts.
- Available as-built penstock and powerhouse documents provided by MCWRA.
- Geotechnical investigations related to the powerhouse and penstock to develop geotechnical design parameters.
- Available hydrologic and hydraulic studies and reports regarding the drainage areas and features upstream of the powerhouse facility.

A thorough review of this data will better inform our design effort and form the basis of our survey requirements for design.

GEI will perform a field reconnaissance of the penstock area including penstock walls, conduits, drainage, and slopes above. GEI will retain aerial drone and conventional survey services to survey the penstock and surrounding area. The aerial topographic survey will be performed over the greater area, focusing on the slopes that would generate debris and/or contribute significant drainage. The conventional survey will focus on the south face/walls of the powerhouse and penstock, and the penstock floor. A primary goal will be to confirm as-built conditions for tie-ins with existing structures and adjacent topography.

GEI will meet with MCWRA engineers and Facility staff to discuss design priorities and limitations (including drainage improvements to the half round). GEI will develop up to three mitigation options to protect the penstock and exposed conduit from rock and soil debris and maintain site drainage. Surveys will be combined to develop a base map for alternatives development. Each alternative will include schematic plan and profiles, and engineers' opinion of probable construction cost (OPCC) consistent with AACE Class 5 guidelines. Alternatives will be analyzed and compared in a high-level grading rubric, which will include construction costs, operation and maintenance requirements/considerations, design life, risks, constructability considerations, environmental permitting considerations and other pertinent topics to help facilitate discussions with MCWRA staff.

GEI will meet with MCWRA to review the alternatives, answer any questions, and select an MCWRA preferred alternative for final design. GEI will prepare a brief Alternatives Evaluation memorandum describing the alternatives, rubric grading process and findings and selection of the preferred alternative for final design. A draft memorandum will be submitted to MCWRA for review, with finalization of the memorandum based on incorporation of MCWRA comments.

Task 2 Deliverables:

- Aerial and conventional survey data provided by subconsultants will be digitally provided to MCWRA for their records.
- Up to three (3) 11x17 sheets that include concept level plan, profiles, and cost estimates for each alternative (one sheet per alternative).

- Draft grading rubric for the alternative review meeting.
- Draft and final Alternatives Evaluation memorandum.

Task 2 Assumptions:

- MCWRA will provide timely access to all historical documents related to the Work and as necessary for project understanding and design concept development. Documents/reports/records including the five (5) reports already discussed, are anticipated to require a total staff review time of up to thirty (30) hours.
- GEI and MCWRA will discuss the benefits and purpose of a site reconnaissance/site visit before scheduling and performing. One 8-hour trip plus travel time for up to two (2) GEI staff with a site visit report and photographs, as needed, is included in our budget estimate.
- Field reconnaissance and conventional survey will be limited to slopes/areas that are safely accessible on foot and are not heavily vegetated.
- We have assumed up to five (5) 2-hr meetings with up to three (3) GEI staff as noted under Task 1, Project Management.
- One consolidated round of comments from MCWRA and responses from GEI to finalize the draft memorandum.

Task 3 – Penstock Protection Design Services

Once the preferred mitigation option has been selected, GEI will perform engineering analyses, as needed, to design the new improvements and prepare design plans and technical specifications for the work, using the surveys as a base for the plan set. GEI will submit 50%, 90%, and 100% plans for MCWRA review. Final construction documents are included in Task 4. GEI will also prepare a brief Design Documentation Memorandum (DDM) describing design criteria for the selected design and description of design features and details incorporated into the project to meet design criteria. Calculation packages, where appropriate, will be incorporated as attachments to the DDM.

Task 3 Deliverables:

- 50%, 90% and 100% Plans.
- 90% and 100% OPCC's.
- 50% and 100% Design Documentation Memorandum

Task 3 Assumptions:

- Review for each deliverable will consist of one round and comments. Comments will be provided to GEI in a single document, with agreed upon responses by GEI incorporated into the subsequent submittal package.
- Plan set will consist of 6 sheets: Cover Page, General Notes, Existing Site Plan, Improvement Plan & Profile, Details, and Drainage and Erosion Control Plan.
- Abbreviated technical specifications will be included on the General Notes page. Separate specification documents, if needed, are not included in our budget estimate.
- MCWRA will prepare the front end (Division 0 and 1) specifications and assemble the bid package.

- MCWA will provide GEI an electronic copy of the front end specifications for cross-reference to the technical specifications.
- MCWRA will perform all permitting for improvements, including any environmental and/or FERC review/permitting. GEI has not accounted for effort related to FERC response to comments and/or edits.
- A draft DDM will be submitted with the 50 percent design package. The DDM will be finalized at 100 percent design based on incorporation of comments from MCWRA as the design progresses from 50 to 100 percent design

Task 4 – Bid Document Preparation and Bid Support

GEI Task 4 includes completing development of Issued for Bid (IFB) drawings and specifications for the construction contract, assisting with advertising and bidding the project, and assisting with development and issuance of the Notice of Award and Notice to Proceed. Tasks include:

1. Assist with technical specification edits to MCWRA Notice to Bidders and Special Provisions Specifications
2. Coordinate advertisement and plan room posting
3. Distribute digital copies of specs/plans to bidders & maintain plan holder list
4. Track and respond to pre-bid RFIs
5. Revise specifications and drawings per RFIs
6. Prepare and distribute addenda
7. Prepare for and attend pre-bid conference and site visit
8. Prepare for and attend bid opening
9. Prepare bid summary and abstract
10. Review two lowest bids and complete required document checklist
11. Check bidder references
12. Prepare bid review memo and recommendation of award
13. Prepare Notice of Award (NOA)
14. Review NOA documents
15. Prepare Notice to Proceed

Task 4 Deliverables:

- IFB drawings and specifications
- RFI addenda
- Bid review memo
- NOA
- Notice to proceed

Task 4 Assumptions:

- Assumes project will be advertised for bid for a duration of two weeks via two advertisements published in a single local newspaper, one advertisement in consecutive weeks for two weeks.
- Assumes bid documents will be distributed only in an electronic format (no printed/hard copies).

- Expenses include travel costs related to attendance at pre-bid conference/site visit and bid opening from Oakland or Sacramento offices of GEI Consultants, Inc. and two bid advertisements in a single local newspaper.
- Assumes up to two addenda will be prepared and issued.
- Assumes MCWRA will provide legal counsel to review bid, recommendation of award, Notice of Award and related documents, and Notice to Proceed, as needed.
- Assumes MCWRA will provide expertise to review and accept insurance provided by selected contractor.

Task 5 – Engineering Services During Construction

GEI's Engineering Services During Construction scope includes the following field and home office services:

1. Document Review/Response – The Design team will support the CM in reviewing and responding to:
 - Contractor submittals with substantial engineering content, including contractor work plans.
 - Contractor RFI's that involve engineering review.
 - Contractor correspondence requiring engineer/design participation.
2. Design Engineer Field Visits – Up to two visits to the site by design personnel will be conducted for the following purposes:
 - Observe the work to help verify that design assumptions and principles are consistent with site conditions observed during construction.
 - Assist project field personnel in adapting project designs to actual site conditions as they are revealed during construction.
 - Observe and evaluate engineering issues that were not foreseen or not fully assessed in the original design and develop and implement appropriate actions.
 - Perform design evaluations and prepare design modifications to conform design to conditions exposed during construction operations.
3. Other Engineering Services – Other engineering services to be provided during construction will include:
 - Preparation of Engineer's Daily Report for each day of site visits.
 - Preparation of Record Drawings based on redline markups provided by the Contractor and the CM

Task 5 Deliverables:

- Engineer's Daily Reports
- As-built Record Drawings

Task 5 Assumptions:

- Scope of Engineering Services During Construction (ESDC) is currently unknown but requested as possible service by MCWRA. Estimated costs are included and services will be performed only as approved by MCWRA.
- Assumes up to eight (8) total RFI and/or submittal reviews and 1 design change during construction. New drawings are not included in the design change.
- Assumes one Engineer's Daily Report per site visit.
- Expenses include travel from Oakland or Sacramento offices of GEI Consultants, Inc., lodging, and meals.
- ESDC shifts are assumed to be for up to two site visits total, M-F, 8 hours per day plus travel time and costs.
- Does not include CM services during construction – to be performed by others.

ESTIMATED SCHEDULE

Estimated Schedule

Following approval of this proposal by MCWRA, GEI is prepared to begin Tasks 1 and 2 immediately upon receipt of a Notice-to-Proceed.

Task 1 will be an ongoing oversight task, while we anticipate the Task 2 background review and field efforts can be completed within 8 to 12 weeks of Notice-to-Proceed, pending timely receipt of all available documentation.

Following review of the available documentation and receipt of the survey data, GEI will meet with MCWRA to discuss our findings and provide a conceptual design alternatives for consideration, selection, and approval to proceed. We anticipate Task 2 alternatives development would be completed 4 to 6 weeks following receipt of the survey data.

After approval to proceed with a selected concept, the 50% design phase is anticipated to be completed within 8 weeks. The 90% and 100% design phases are anticipated to be completed within 4 to 6 weeks each. An MCWRA review period of 2 to 4 weeks is anticipated between each phase, depending on workload.

The 90% and 100% Opinion of Probable Construction Cost estimates are anticipated to be completed within 4 weeks each of completion of the 90% and 100% designs, respectively.

Bid document preparation and bid support are anticipated to be completed within 8 weeks from completion of the 100% design, and project Award and Notice to Proceed support within 8 weeks from receipt of bids.

Based on these estimates, the total time for completion of 100% Design is anticipated to be up to 72 weeks from NTP.

Assuming a four (4) month construction period, including mobilization, submittals, procurement, and project closeout, Engineering Services During Construction is anticipated to be completed within 16 weeks from Construction Contract NTP.

The estimated project schedule in Table 1 below is based on receipt of a Notice to Proceed from MCWRA by June 30, 2025.

Table 1 – Estimated Project Schedule

Task 2 – Document Review, Field Reconnaissance & Survey		Task 3 – Design Phase(s)		Task 4 and 5 Bid Document Preparation & Bid Support and Engineering Services During Construction	
Sub Task	Estimated Completion	Sub Task	Estimated Completion	Sub Task	Estimated Completion
Document Review	07/2025	50% Design	11/2025	Bid Document Preparation	08/2026
Field Recon	07/2025	90% Design	02/2026	Bid Support and Bid Review	08/2026
Survey	08/2025	90% OPCC	03/2026	Award and NTP Support	10/2026
Alternatives Development	09/2025	100% Design	05/2026	ESDC	04/2027
		100% OPCC	06/2026		

PROJECT FEE

We propose to perform the various tasks described above on a time-and-materials basis in accordance with the attached Fee Schedule. Our estimated total cost for the above tasks is \$249,676; a detailed breakdown of labor and expenses is included in the attached table. GEI will not exceed the total cost of \$249,676 without prior approval from MCWRA. GEI will submit monthly invoices which detail the work scope completed and labor/expense effort.

CLOSURE

We appreciate the opportunity to provide this proposal and look forward to the opportunity to work with you on this important project. Should you have any questions about this proposal or require additional information, please do not hesitate to contact Len Sansone at 510-350-2903 (lsansone@geiconsultants.com) or Rob Fill at 916-873-4244 (rfill@geiconsultants.com).

Very truly yours,

GEI Consultants, Inc.



Scott Meyers, PE
 Senior Engineer



Len Sansone, PE, GE
 Vice President
 Principal Geotechnical/Civil Engineer

Mark Foxworthy, PE, Chief Dam Safety Engineer
Monterey County Water Resource Agency
Proposal for Penstock Protection at Nacimiento Dam Powerhouse
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Exhibit F

Payment Provisions

MCWRA - Nacimiento Dam Powerhouse - Penstock Protection Fee Estimate for GEI Services

Task No.	Description	2024 Standard Rates											Expenses				Total Cost	
		Admin	CAD	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Subtotals		Subs	Travel/ Mileage	Other Expenses	Subtotal		
		\$ 132	\$ 177	\$ 177	\$ 199	\$ 235	\$ 267	\$ 318	\$ 356	\$ 434	Hrs.	Cost						
Task 1	Project Management and QA/QC																	
1.1	Review Project Details and Project Management							8	2		10	\$3,256				\$0	\$3,256	
1.2	Oversee and Coordinate Work							8	2		10	\$3,256				\$0	\$3,256	
1.3	Perform QA/QC Reviews	2						8	2		12	\$3,520				\$0	\$3,520	
1.4	Progress Meetings	5				10		10	10		35	\$9,750				\$0	\$9,750	
	Task 1 Total	7	0	0	0	10	0	34	16	0	67	\$19,782	\$0	\$0	\$0	\$0	\$19,782	
Task 2	Document Review, Site Reconnaissance, & Concept Development																	
2.1	Review existing design/modification and repair/maintenance documents						32				32	\$8,544				\$0	\$8,544	
2.2	Site reconnaissance/site visit						20		2		22	\$6,052		\$726		\$726	\$6,778	
2.3	Survey						6		2		8	\$2,314	\$10,000			\$10,000	\$12,314	
2.4	Develop Basemap		24				12		4		40	\$8,876				\$0	\$8,876	
2.5	11x17 Alternative Development and AACE Class 5 Cost Estimate	2	30				24	6	4		66	\$15,314				\$0	\$15,314	
2.6	Alternatives Analysis & Memo	2					20	4	4		30	\$8,300				\$0	\$8,300	
	Task 2 Total	4	54	0	0	0	114	10	16	0	198	\$49,400	\$10,000	\$ 726	0	10,726	60,126	
Task 3	Design Phases																	
3.1	Develop 50% Design Documents	4	80		40		80	8	8		220	\$49,400				\$0	\$49,400	
3.2	Develop 90% and 100% Design Documents	4	80		20		60	6	6		176	\$38,732				\$0	\$38,732	
3.3	Project Design Documentation Report (a.k.a. Technical Memo)	4			20		20	4	4		52	\$12,544				\$0	\$12,544	
3.4	Develop 90% and 100% OPCC	8					20	4	4		36	\$9,092	\$5,000			\$5,000	\$14,092	
	Task 3 Total	20	160		80	0	180	22	22	0	484	\$109,768	\$5,000	\$0	\$0	\$5,000	\$114,768	
Task 4	Bidding and Contracting																	
4.1	Assist with technical spec edits to MCWRA Division 00 Bidding Specifications			2				16	2		20	\$6,154				\$0	\$6,154	
4.2	Develop Issued for Bid Drawings and Specifications			4		5		20	2		31	\$8,955				\$0	\$8,955	
4.3	Coordinate advertisement and planroom posting			2				0			2	\$354			\$6,300	\$6,300	\$6,654	
4.4	Distribute digital copies of specs/plans to bidders & maintain planholder list			5				2			7	\$1,521				\$0	\$1,521	
4.5	Track and respond to pre-bid RFIs			2				14			16	\$4,806				\$0	\$4,806	
4.6	Revise specifications and drawings per RFIs			2				8	2		12	\$3,610				\$0	\$3,610	
4.7	Prepare and distribute addenda			8				4			12	\$2,688				\$0	\$2,688	
4.8	Prepare for and attend pre-bid conference and site visit			2				12			14	\$4,170		\$500		\$500	\$4,670	
4.9	Prepare for and attend bid opening			2				8			10	\$2,898		\$348		\$348	\$3,246	
4.10	Prepare bid summary and abstract			4				2			6	\$1,344				\$0	\$1,344	
4.11	Review two lowest bids and complete required document checklist			8				4			12	\$2,688				\$0	\$2,688	
4.12	Check bidder references			1				4			5	\$1,449				\$0	\$1,449	
4.13	Prepare bid review memo and recommendation of award			4				1			5	\$1,026				\$0	\$1,026	
4.14	Develop Issued for Construction Drawings and Specifications			2				20			22	\$6,714				\$0	\$6,714	
4.15	Prepare Notice of Award (NOA)			4				1			5	\$1,026				\$0	\$1,026	
4.16	Review NOA documents			6				2			8	\$1,698				\$0	\$1,698	
4.17	Prepare Notice to Proceed			2				1			3	\$672				\$0	\$672	
	Task 4 Total	0	0	60	0	5	0	119	6	0	190	\$51,773	\$0	\$848	\$6,300	\$7,148	\$30,000	
Task 5	Engineering Services During Construction																	
5.1	Review and respond to RFIs, Submittals, and Other Contractor Inquiries	4				6	28		2		40	\$10,126				\$0	\$10,126	
5.2	On-Site Resident Engineer						36				36	\$9,612		\$1,153		\$1,153	\$10,765	
5.3	Design Changes	4				6	6		2		18	\$4,252				\$0	\$4,252	
5.4	Reporting and Record Keeping	8				6	4	4			22	\$4,806				\$0	\$4,806	
5.5	Record Drawings		16		10		10	4	2		42	\$9,476				\$0	\$9,476	
	Task 5 Total	16	16	0	10	18	84	8	6	0	158	\$38,272	\$0	\$1,153	\$0	\$1,153	\$25,000	
	Total	47	230	60	90	33	378	193	66	0	1,097	\$268,995	\$15,000	\$2,728	\$6,300	\$24,028	\$249,676	

Notes and Assumptions:

General

- Labor hours, grade, and task distributions are for budgeting purposes only. The actual labor and task distribution will be based on efficiently performing the work as ordered and approved by MCWRA.
- Detailed cost breakdown and rates are confidential information and shall not be shared outside MCWRA without prior written approval by GEI.
- Tasks 4 and 5 proposed services and hours are shown but estimated costs are not included in the total estimate. As requested by MCWRA, an allowance is included for each item for work to be performed as directed by the MCWRA Project Manager on an as-needed basis.