

AGREEMENT NO. 2020-
(An Amendment to Agreement No 2018-007, 2018-119, & 2019-124)

**AMENDMENT to AGREEMENT
FOR PROFESSIONAL SERVICES
Professional Engineering and Environmental Services
2017 Flood Damage – Multiple Sites**

The following is an amendment to that certain Agreement No. 2018-007 (“Agreement”) with an Effective Date of February 6, 2018, by and between the County of Sierra, a political subdivision of the State of California (“the County”) and **MGE Engineering, Inc.**, “Contractor”.

1. Provision 1 of the Agreement, pertaining to Services is hereby amended to include Construction Management services for three sites, Belle Street, Foote Road, and Goodyears Creek Road, as shown in proposal attached hereto as Exhibit A.
2. Provision 2 of the Agreement, pertaining to the Term is hereby amended to extend the termination date to June 30, 2021.
3. Provision 3 of the Agreement, pertaining to the Payment refers to Attachment B. Attachment B of the Agreement pertaining to “Payment” is hereby amended as follows:

AMENDMENT TO ATTACHMENT B

The payment provisions of the Agreement are shown on Attachment B.

4. All other terms and conditions of the Agreement to remain the same.
5. This Amendment shall have an Effective Date of July 1, 2020.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date set forth above.

COUNTY OF SIERRA

“CONTRACTOR”

JAMES BEARD
Chairman, Board of Supervisors

FRED HUANG
MGE Engineering, Inc.

ATTEST:

APPROVED AS TO FORM:

HEATHER FOSTER
Clerk of the Board

DAVID PRENTICE
County Counsel

AMENDED ATTACHMENT B

PAYMENT

COUNTY shall pay CONTRACTOR as follows:

B.1 BASE CONTRACT FEE. COUNTY shall pay CONTRACTOR a contract fee not to exceed one million thirteen thousand three hundred twenty-eight and 98/100 dollars (\$1,013,328.98) in accordance with cost proposal for Amendment attached as Exhibit A to this amendment. CONTRACTOR shall submit requests for payment after completion of services or no later than the tenth (10th) day of the month following provision of services. Request for payment shall be substantially in the form of the invoice attached hereto as Attachment E. Payment shall be made within thirty (30) days after the Invoice is approved by the County Contract Administrator. In no event shall total compensation paid to CONTRACTOR under this Provision B.1 exceed \$1,013,328.98 without an amendment to this Agreement approved by the Sierra County Board of Supervisors;

B.2 MILEAGE. Included

B.3 TRAVEL COSTS. Included.

B.4 AUTHORIZATION REQUIRED. Services performed by CONTRACTOR and not authorized in this Agreement shall not be paid for by COUNTY. Payment for additional services shall be made to CONTRACTOR by COUNTY if, and only if, this Agreement is amended in writing by both parties in advance of performing additional services.

B.5 SPECIAL CIRCUMSTANCES. Additional costs may be incurred up to a maximum of \$0 with written approval of the designated COUNTY Representative (Operative Provision 7) for this Agreement.

B.6 MAXIMUM CONTRACT AMOUNT. The maximum amount payable to CONTRACTOR under this Agreement shall not exceed the following:

B.1	Base Contract Fee	\$1,013,328.98
B.2	Mileage	Included
B.3	Travel Costs	Included
B.4	Authorization Required	0
B.5	Special Circumstances	0
	MAXIMUM CONTRACT AMOUNT	\$1,013,328.98

Winter Storm Damage Repair Projects, FEMA Disasters 4301 and 4308

Scope of Services

This Scope of Services below is based on MGE's understanding of the specific process to be used in providing Construction Management services for the Winter Storm Damage Repair Projects, FEMA Disasters 4301 and 4308. This Scope of services is for the following Locations:

RD-508 Belle Street Road slip out

RD-191 Foote Road slip out (2 sites)

RD-400 Goodyears Creek Road slip out

TASK 1 Project Management and Coordination

Task 1.1 Project Initiation

MGE will prepare and conduct a pre-construction conference. Topics of discussion will be: outline of project specifics, project administration procedures, labor compliance, equal employment opportunity, record keeping, State and Federal safety laws, DBE involvement, use of local businesses and subcontractors, environmental requirements including Storm Water Pollution Prevention, utility issues, traffic control issues, safety problems, etc. This meeting will establish a cooperative (partnering) attitude between MGE, field staff, the County, and the Contractor.

Deliverables: Meeting agendas, materials (graphics, visual aids and other presentation items), and minutes

Task 1.2 Coordination

1.2.1 Point of Contact – MGE will develop a list of individuals as points of contact for maintaining liaison and coordination throughout the project.

1.2.2 Project Data and Forms – MGE will utilize the Caltrans Field Office File Category System, with any modifications the County may find necessary. Should the files need to be changed for any reason MGE will obtain previous acceptance from the County.

1.2.3 Project Title and Descriptions – In reference to the project in any forms or formal written materials, MGE will use the project title of: Winter Storm Damage Repair Projects, FEMA Disasters 4301 and 4308. In e-mails and on forms with restricted space, MGE will use the short project description of: FEMA Winter Storm Damage Repair Projects.

1.2.4 Project Coordination with County – MGE will coordinate with the County through phone conversations, emails, written memoranda, fax, meetings, etc.

1.2.5 Project Schedule and Budget Management – MGE will provide the following:

- Project Schedule – MGE will obtain a project schedule from the Contractor. The Project Schedule will include the Contractor's internal Quality Control process and designated County reviews of submitted documents. MGE will update the Project Schedule as necessary, review, monitor, and document changes to the Contractor's schedule.
- Budget Management, Cost Control, and Progress Payments - MGE will maintain and manage our team's schedule, budget and subconsultant contracts. MGE will monitor project funding, financing, and budgets. MGE will review the Engineer's estimates, contract item payments, material quantities, and change order payments. MGE will review the Contractor's payment requests, verify pay items, and prepare payment documentation for execution by the County.

Deliverables: cash flow reports, budget reports, cost estimate reviews

1.2.7 Daily paperwork – MGE will review and assist the County and their designated inspector in all daily paperwork required under Caltrans requirements. MGE will develop a system for organizing, tracking, filing, and managing paper/electronic correspondence including letters, information requests, submittals, contracts, reports, O&M manuals, progress payments, and change orders. All project files will be maintained per procedures established by the County and will include:

Winter Storm Damage Repair Projects, FEMA Disasters 4301 and 4308

- Daily observation of construction work and job site safety. MGE will notify the County in advance of any significant activities to permit their participation. (Note: Contractor will be responsible for all construction staking).
- A photo record for the project site and adjacent properties to document preconstruction conditions including a photo log and descriptions of the work being recorded, date and time.

Deliverables: paper files, electronic files, correspondence logs, suspense lists

1.2.8 Records Filing System - MGE will develop a project records filing system based on the Caltrans Construction Manual. Project records will include Contractor budget control measures (including itemized accounting of each contract item) and a Contractor payment schedule. Project files will be kept up-to-date and will be monitored by the Construction Manager. Files will contain records for materials testing, survey verification, schedule reviews, and permit monitoring.

1.2.9 Records Maintenance - MGE will:

- Receive and process Contractor-developed material, plan, and Requests for Information (RFI) submittals
- Develop and maintain a log of Contractor-developed submittals
- Review for approval any Contractor-developed submittals for staging, traffic handling, and other Contractor-developed plans
- Maintain records so that the County can successfully refute Contractor claims for extra work
- DCM group as a subconsultant to MGE will monitor and audit certified payrolls of the Contractor and their Subcontractor's personnel to verify compliance with all State and Federal laws. MGE will conduct required labor compliance interviews in the field.
- Review potential contract change orders (CCO) for contractual and technical merit. Prepare independent cost estimate and schedule analysis of work. Prepare CCO's covering extra work authorized by the County. Negotiate CCO's for County-approved extra work keeping the County fully informed of status. Maintain daily extra work bills, quantity measurements, or such other information as necessary to document payment to the Contractor for the extra work. Maintain change order summary reports.
- Determine pay quantities and prepare monthly progress estimates for County.

1.2.10 Weekly Status Reports - MGE will submit weekly status reports that include all paperwork required by Caltrans. Reports will be sufficiently detailed so the County can determine that MGE is performing to expectations and is on schedule. Reports will communicate interim findings and sufficiently address any difficulties or special problems encountered so remedies can be developed. Submittals will be reviewed by the County's In-charge Inspector. Status reports will include status of services by: task breakdown, problems encountered, percent of services complete as of the date of the progress report and discussion of schedule changes, work products, issues currently being addressed and other items of interest as applicable.

Deliverables: Inspection Daily Diaries, Resident Engineer Diaries, Weekly Statements of Working Days

1.2.11 Invoices – MGE will prepare periodic invoices providing a summary of work, including covered dates of service, and copies of invoices from any subconsultants. Invoices will include the County's project number and consultant agreement number and will be consistent with the Local Assistance Procedures Manual, Chapter 10, Section 10.8 under "Invoicing (or Progress Payments)". MGE will follow Caltrans and County guidelines for submitting invoices.

1.2.12 Issue/Action Item/Decision Log – MGE will develop and maintain a project Issue/Action Item/Decision log.

1.2.13 Site Safety – MGE will review and monitor the Contractor's safety program for compliance with Cal/OSHA and notify the Contractor if unsafe condition is being observed. If the Contractor refuses to rectify unsafe condition, MGE will notify the applicable authority(s). MGE will investigate accidents and make accident reports.

Deliverables to be placed in the Project Records:

- *All reports delivered to the In-charge Inspector*
- *Draft and Final Project Work Plan*
- *Contractor-developed Project schedule with updates as provided for in County's Contract Documents*

Winter Storm Damage Repair Projects, FEMA Disasters 4301 and 4308

- *Project LAPM/LAPG Exhibits, as needed*
- *Monthly invoices and progress reports*
- *Communication documents (emails, memos, etc.)*

Task 1.3 Project Team Meetings

Weekly Meetings - MGE will schedule, prepare for, and conduct Project Team Meetings with the County and the Contractor on an as needed basis to discuss schedule, task progress, and issues to be addressed. Key team members will be present at each team meeting depending on items to be discussed in person.

Deliverables:

- *Meeting agendas*
- *Meeting materials (graphics, visual aids and other presentation items).*
- *Updated Issue/Action Item/Decision Log*
- *Updated Project Schedule*
- *Meeting minutes*

TASK 2 Surveying and Mapping

MGE will verify construction staking and exact location of the work.

TASK 3 Materials Validation

Task 3.1 Materials Testing

NV5 (Holdrege and Kull) as a subconsultant to MGE will perform all materials testing accordance with the Construction Contract documents and Caltrans' standards.

Task 3.2 Geotechnical Verification

NV5 (Holdrege and Kull) will provide a geotechnical engineer to verify field conditions during excavation and construction of the wall at the Belle Street location.

Deliverables to be placed in the Project Records:

- *Copies of all test results*
- *Results of the geotechnical field verification*

TASK 4 Project Construction Closeout

MGE will:

- Perform final observation of the project upon completion and provide written certification of substantial conformity with PS&E. Collect all written warranties provided by vendors, manufacturers, and CONTRACTOR.
- Compute the final quantities and prepare the final estimate.
- Determine over-runs and under-runs and prepare a report of same with explanation of each. □ Prepare the Final Invoice, Final Detail Estimate, Change Order Summary, Liquidated Damages/Contractors' Claims Report, Materials Certification, Report of Completion, and such other forms and reports as may be required.
- Provide the original set of the project records, including inspections reports, summaries, testing documentation, meeting minutes, RFIs, schedules, correspondence, maps, plans, photo record, shop drawings, submittals, and manufacturers literature. An electronic copy of the project computer files will also be provided.
- Assist the County with post-completion dispute resolution.

Task 4.1 – Project Punch List

MGE will assist the County in a list of items to be addressed to complete the project, or "punch list". The punch list will be typed, dated, and show the preparer's name and contact telephone number. Each item will reference the plan sheet number on which the item is drawn, the specifications reference and the exact shortcoming. In addition, MGE will schedule and conduct a project walk-through with the County and Contractor personnel to establish a "punch list" of items of work that are not satisfactory. MGE will assist the County in getting "punch list" items resolved.

Deliverables: Three copies of each punch list

Winter Storm Damage Repair Projects, FEMA Disasters 4301 and 4308

Task 4.2 – As-Built Plans

MGE will coordinate with the Contractor to prepare a set of "as-built" plans. The as-built plans will be provided on the 24"x36" white paper copy provided by the County. All as-built information will be legibly hand-written in indelible red ink. Language will be developed for agreement by the Contractor, MGE and the County for completeness and accuracy. In addition, MGE will obtain from the County a set of full-size plans to be used as a working set of "as-built" drawings to note all changes as they occur.

Deliverables: Original as-built plans

County Responsibilities

MGE's understanding is that the following will be provided by the County:

- Provide copies of construction contract documents.
- Processing of Progress Pay Estimates, and Final Estimate.
- Appropriate staff available for meetings, site visits.
- Discuss with the Resident Engineer, recommendations made by the Resident Engineer.
- Review Construction Change Orders prior to authorization.
- Process authorized Construction Change Orders, if estimated contract cost increase, for approval by the Board of Supervisors.
- Forward RFIs to the design engineer, and coordinate subsequent discussions amongst the project team, if necessary.
- Provide a location to function as an RE Office for the hardcopy construction files.
- Provide Survey data for Construction Surveys.
- Review notifications or letters prepared by the Resident Engineer prior to transmittal.

EXHIBIT 10-H2 COST PROPOSAL Page 1 of 3

SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)
(NON- PREVAILING WAGE CONSTRUCTION ENGINEERING AND INSPECTION CONTRACTS)

Note: Mark-ups are Not Allowed

Consultant MGE Engineering, Inc. Prime Consultant Subconsultant 2nd Tier Subconsultant

Project No. FEMA 4301 and 4308 Contract No. _____ Participation Amount \$ _____ Date 6/29/2020

For Combined Rate	Fringe Benefit % + General & Administrative %	=	Combined ICR %
OR			
For Home Office Rate	Fringe Benefit 51.47% + General & Administrative 114.48%	=	Home Office ICR 165.95%
For Field Office Rate	Fringe Benefit 48.62% + General & Administrative 98.02%	=	Field Office ICR 146.64%
Fee			= 10%

BILLING INFORMATION

CALCULATION INFORMATION

Name/Job Title/Classification ¹	Hourly Billing Rates ²			Effective date of hourly rate		Actual or Avg. hourly rate ⁴	% or \$ increase	Hourly range – for Classification only
	Straight ³	To(1.5x)	To(2x)	From	To			
Joe Siemers, P.E., QSD * Resident Engineer	\$ 198.93	NA	NA	7/1/2020	12/31/2020	\$ 68.00	0%	Not Applicable
	\$ 193.71	NA	NA	1/1/2021	12/31/2021	\$ 71.40	5%	
	\$ 203.40	NA	NA	1/1/2022	12/31/2022	\$ 74.97	5%	
	\$ 213.57	NA	NA	1/1/2023	12/31/2023	\$ 78.72	5%	
	\$ 224.24	NA	NA	1/1/2024	12/31/2024	\$ 82.65	5%	
Staff Inspector** Inspector	\$ 176.35	\$ 264.52	\$ 352.70	7/1/2020	12/31/2020	\$ 65.00	0%	Not Applicable
	\$ 185.16	\$ 277.75	\$ 370.33	1/1/2021	12/31/2021	\$ 68.25	5%	
	\$ 194.42	\$ 291.63	\$ 388.85	1/1/2022	12/31/2022	\$ 71.66	5%	
	\$ 204.14	\$ 306.22	\$ 408.29	1/1/2023	12/31/2023	\$ 75.25	5%	
	\$ 214.35	\$ 321.53	\$ 428.70	1/1/2024	12/31/2024	\$ 79.01	5%	
Staff Inspector** Inspector	\$ 176.35	\$ 264.52	\$ 352.70	7/1/2020	12/31/2020	\$ 65.00	0%	Not Applicable
	\$ 185.16	\$ 277.75	\$ 370.33	1/1/2021	12/31/2021	\$ 68.25	5%	
	\$ 194.42	\$ 291.63	\$ 388.85	1/1/2022	12/31/2022	\$ 71.66	5%	
	\$ 204.14	\$ 306.22	\$ 408.29	1/1/2023	12/31/2023	\$ 75.25	5%	
	\$ 214.35	\$ 321.53	\$ 428.70	1/1/2024	12/31/2024	\$ 79.01	5%	
Staff Inspector** Inspector	\$ 176.35	\$ 264.52	\$ 352.70	7/1/2020	12/31/2020	\$ 65.00	0%	Not Applicable
	\$ 185.16	\$ 277.75	\$ 370.33	1/1/2021	12/31/2021	\$ 68.25	5%	
	\$ 194.42	\$ 291.63	\$ 388.85	1/1/2022	12/31/2022	\$ 71.66	5%	
	\$ 204.14	\$ 306.22	\$ 408.29	1/1/2023	12/31/2023	\$ 75.25	5%	
	\$ 214.35	\$ 321.53	\$ 428.70	1/1/2024	12/31/2024	\$ 79.01	5%	

NOTES:

1. Key personnel **must** be marked with an asterisk (*) and employees that are subject to prevailing wage requirements must be marked with two asterisks (**). All costs must comply with the Federal cost principles. Subconsultants will provide their own cost proposals.
2. The cost proposal format shall not be amended.
3. Billing rate = actual hourly rate * (1+ ICR) * (1+ Fee). Indirect cost rates shall be updated on an annual basis in accordance with the consultant's annual accounting period and established by a cognizant agency or accepted by Caltrans. All costs must comply with the Federal cost principles for reimbursement.
4. For named employees and key personnel enter the actual hourly rate. For classifications only, enter the Average Hourly Rate for that classification.

EXHIBIT 10-H2 COST PROPOSAL Page 2 of 3

SPECIFIC RATE OF COMPENSATION (USE FOR ON-CALL OR AS-NEEDED CONTRACTS)
(CONSTRUCTION ENGINEERING AND INSPECTION CONTRACTS)

Consultant MGE Engineering, Inc. Prime Consultant Subconsultant
 Project No. FEMA 4301 and 4308 Contract No. _____ Date 6/29/2020

SCHEDULE OF OTHER DIRECT COST ITEMS (Add additional pages as necessary)				
Description of Item	Quantity	Unit	Unit Cost	Total
Mileage Costs	10,920	Mile	0.575	\$5,973.10
4WD rental (Foote Road Locations)	1	LS	4,500	\$4,500
Subconsultant 1: NV5 (Holdrege and Kull) Material Testing Services				\$31,310.00
Subconsultant 2: NV5 (Holdrege and Kull) Geotechnical Verification				\$5,000.00
Subconsultant 3: DCM Group Labor Compliance services				\$8,935.64
Subconsultant 4:				
Subconsultant 5:				\$

Note: Add additional pages if necessary.

NOTES:

- List other direct cost items with estimated costs. These costs should be competitive in their respective industries and supported with appropriate documentation.
- Proposed ODC items should be consistently billed regardless of client and contract type.
- Items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in the overhead rate.
- Items such as special tooling, will be reimbursed at actual cost with supporting documentation (invoice).
- Items listed above that would be considered "tools of the trade" are not reimbursable as other direct cost.
- Travel related costs should be pre-approved by the contracting agency and shall not exceed current State Department of Personnel Administration rules.
- If mileage is claimed, the rate should be properly supported by the consultant's calculation of their actual costs for company vehicles. In addition, the miles claimed should be supported by mileage logs.
- If a consultant proposes rental costs for a vehicle, the company must demonstrate that this is its standard procedure for all of their contracts and that they do not own any vehicles that could be used for the same purpose.
- The cost proposal format shall not be amended. All costs must comply with the Federal cost principles.
- Add additional pages if necessary.
- Subconsultants must provide their own cost proposals.

EXHIBIT 10-H2 COST PROPOSAL Page 3 of 3

Certification of DirectCosts:

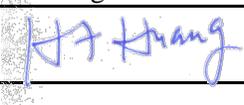
I, the undersigned, certify to the best of my knowledge and belief that all direct costs identified on the cost proposal(s) in this contract are actual, reasonable, allowable, and allocable to the contract in accordance with the contract terms and the following requirements:

- 7. Generally Accepted Accounting Principles (GAAP)
- 8. Terms and conditions of the contract
- 9. [Title 23 United States Code Section 112](#) - Letting of Contracts
- 10. [48 Code of Federal Regulations Part 31](#) - Contract Cost Principles and Procedures
- 11. [23 Code of Federal Regulations Part 172](#) - Procurement, Management, and Administration of Engineering and Design Related Service
- 12. [48 Code of Federal Regulations Part 9904 - Cost Accounting Standards Board](#) (when applicable)

All costs must be applied consistently and fairly to all contracts. All documentation of compliance must be retained in the project files and be in compliance with applicable federal and state requirements. Costs that are noncompliant with the federal and state requirements are not eligible for reimbursement.

Prime Consultant or Subconsultant Certifying:

Name: H. Fred Huang Title *: President

Signature :  Date of Certification (mm/dd/yyyy): 6/29/2020

Email: fhuang@mgeeng.com Phone Number: 916-421-1000

Address: 7415 Greenhaven Drive, Suite 100, Sacramento, CA 95831

* An individual executive or financial officer of the consultant’s or subconsultant’s organization at a level no lower than a Vice President or a Chief Financial Officer, or equivalent, who has authority to represent the financial information utilized to establish the cost proposal for the contract.

List services the consultant is providing under the proposed contract:

Construction Management Services for Winter Storm Damage Repair Projects, FEMA Disasters 4301 and 4308 for: RD-508 Belle Street slip out, RD-191 Foote Road slip out and RD-400 Goodyears Creek Road slip out.

Sierra County Winter Storm Damage Repair Projects, FEMA Disasters 4301 and 4308 Construction Management Services - MGE Engineering - Estimated Hours June 29, 2020 for Belle Street Slip Out						
Hourly Rate	198.93	176.35				
Task 1 - PRECONSTRUCTION SERVICES						
270 . 25 Construction Contract Administration Work	4		4			
270 . 99 Other Construction Engineering and General Contract Administration	2		2			
SUBTOTAL HOURS	6	0	6			
COST	\$1,193.58	\$0.00	\$ 1,193.58			
Task 2 - CONSTRUCTION SERVICES						
270 Construction Engineering and General Contract Administration						
270 . 20 Perform Construction Engineering Work			0			
270 . 25 Construction Contract Administration Work	10		10			
270 . 30 Contract Item Work Inspection		34	34			
270 . 35 Construction Material Sampling and Testing	2		2	\$3,852.00	\$853.00	
270 . 40 Perform Safety and Maintenance Reviews	2		2			
270 . 55 Perform Final Inspection and Recommend Acceptance	2		2			
270 . 56 Employment Compliance		2	2			\$1,361.45
270 . 65 TMP Implementation During Construction		4	4			
270 . 99 Other Construction Engineering and General Contract Administration			0			
SUBTOTAL HOURS	16	40	56			
COST	\$3,182.88	\$7,054.00	\$ 10,236.88			
285 Prepare and Administer Contract Change Orders						
285.05 Contract Change Order Process	2		2			
290 Resolve Contract Claims						
290 . 05 Review and Analyze Notices of Potential Claims	2		2			
290 . 10 Supporting Documentation & Responses to NOPCs	2		2			
SUBTOTAL HOURS	6	0	6			
COST	\$1,193.58	\$0.00	\$ 1,193.58			
Task 3 - POST CONSTRUCTION SERVICES						
295 Accept Contract, Prepare Final Construction Estimate, and Prepare Final Report						
295 . 05 Process Estimate After Acceptance	2		2			
295 . 10 Prepare Proposed Final Contract Estimate	2		2			
295 . 15 As-Built Plans	2		2			
295 . 20 Prepare Project History File	8		8			
295 . 25 Prepare Final Report	2		2			
295 . 30 Process Final Estimate	2		2			
295 . 99 Other Accept Contract/Prepare Final Construction Estimate and Final Report	2		2			
SUBTOTAL HOURS	20	0	20			
COST	\$3,978.60	\$0.00	\$ 3,978.60			
TOTAL HOURS	48	40	88			
TOTAL LABOR COST	\$9,548.64	\$7,054.00	\$ 16,602.64	\$3,852.00	\$853.00	\$1,361.45
Mileage: Estimated 41 miles per trip x 20 trips at \$0.575/mile (Resident Engineer)			\$ 471.50			
Mileage: Estimated 113 mi x 20 trips at \$0.575/mile (Inspector)			\$ 1,299.50			

The cost of our services includes furnishing of all materials, equipment and computers, labor and insurance for all services as outlined in the County's Request for Proposal. Full-time working hours are included for our Inspector for 10 Working Days with exception of working hours not allowed to be performed on Saturdays, Sundays or Holidays as stated in the construction contract special provisions. WBS codes for MGE internal purposes

\$24,440.09

Sierra County Winter Storm Damage Repair Projects, FEMA Disasters 4301 and 4308 Construction Management Services - MGE Engineering - Estimated Hours June 29, 2020 for Foote Road Slip Out					
	Joe Slemers, P.E. - Resident Engineer	Staff Inspector - MGE	MGE Task Total Hours	W's (Holdsrege and Kull) Material Testing	DCM (Labor Compliance)
Hourly Rate	198.93	176.35			
Task 1 - PRECONSTRUCTION SERVICES					
270 . 25 Construction Contract Administration Work	8		8		
270 . 99 Other Construction Engineering and General Contract Administration	4		4		
SUBTOTAL HOURS	12	0	12		
COST	\$2,387.16	\$0.00	\$ 2,387.16		
Task 2 - CONSTRUCTION SERVICES					
270 Construction Engineering and General Contract Administration					
270 . 20 Perform Construction Engineering Work			0		
270 . 25 Construction Contract Administration Work	20		20		
270 . 30 Contract Item Work Inspection		192	192		
270 . 35 Construction Material Sampling and Testing	4	8	12	\$15,330.00	
270 . 40 Perform Safety and Maintenance Reviews		8	8		
270 . 55 Perform Final Inspection and Recommend Acceptance	8		8		
270 . 56 Employment Compliance		8	8		\$6,212.74
270 . 65 TMP Implementation During Construction	4		4		
270 . 99 Other Construction Engineering and General Contract Administration		0	0		
SUBTOTAL HOURS	36	216	252		
COST	\$7,161.48	\$38,091.60	\$ 45,253.08		
285 Prepare and Administer Contract Change Orders					
285.05 Contract Change Order Process	2		2		
290 Resolve Contract Claims					
290 . 05 Review and Analyze Notices of Potential Claims	2		2		
290 . 10 Supporting Documentation & Responses to NOPCs			0		
SUBTOTAL HOURS	4	0	4		
COST	\$795.72	\$0.00	\$ 795.72		
Task 3 - POST CONSTRUCTION SERVICES					
295 Accept Contract, Prepare Final Construction Estimate, and Prepare Final Report					
295 . 05 Process Estimate After Acceptance	4		4		
295 . 10 Prepare Proposed Final Contract Estimate	4		4		
295 . 15 As-Built Plans	4		4		
295 . 20 Prepare Project History File	8		8		
295 . 25 Prepare Final Report	8		8		
295 . 30 Process Final Estimate	4		4		
295 . 99 Other Accept Contract/Prepare Final Construction Estimate and Final Report			0		
SUBTOTAL HOURS	32	0	32		
COST	\$6,365.76	\$0.00	\$ 6,365.76		
TOTAL HOURS	84	216	300		
TOTAL LABOR COST	\$16,710.12	\$38,091.60	\$ 54,801.72	\$15,330.00	\$6,212.74
4WD Vehicle for project access; 45 W.D.=9 weeks, \$2,000/month/4*9			\$ 4,500.00		
Mileage: Estimated 42 miles per trip x 90 trips at \$0.575/mile (Resident Engineer)			\$ 2,173.50		
Mileage: Estimated 118 mi x 54 trips at \$0.575/mile (Inspector)			\$ 3,663.90		
Inspection at 3 days per week					

The cost of our services includes furnishing of all materials, equipment and computers, labor and insurance for all services as outlined in the County's Request for Proposal. Part-time working hours are included for our Inspector for 45 Working Days with exception of working hours not allowed to be performed on Saturdays, Sundays or Holidays as stated in the construction contract special provisions.
WBS codes for MGE internal purposes

\$86,681.86

Sierra County Winter Storm Damage Repair Projects, FEMA Disasters 4301 and 4308 Construction Management Services - MGE Engineering - Estimated Hours June 29, 2020 for Goodyears Creek Road Slip Out					
Hourly Rate	198.93	176.35			
Task 1 - PRECONSTRUCTION SERVICES					
270 . 25 Construction Contract Administration Work	4		4		
270 . 99 Other Construction Engineering and General Contract Administration	2		2		
SUBTOTAL HOURS	6	0	6		
COST	\$1,193.58	\$0.00	\$ 1,193.58		
Task 2 - CONSTRUCTION SERVICES					
270 Construction Engineering and General Contract Administration					
270 . 20 Perform Construction Engineering Work			0		
270 . 25 Construction Contract Administration Work	10		10		
270 . 30 Contract Item Work Inspection		34	34		
270 . 35 Construction Material Sampling and Testing	2		2	\$4,517.00	
270 . 40 Perform Safety and Maintenance Reviews	2		2		
270 . 55 Perform Final Inspection and Recommend Acceptance	2		2		
270 . 56 Employment Compliance		2	2		\$1,361.45
270 . 65 TMP Implementation During Construction		4	4		
270 . 99 Other Construction Engineering and General Contract Administration			0		
SUBTOTAL HOURS	16	40	56		
COST	\$3,182.88	\$7,054.00	\$ 10,236.88		
285 Prepare and Administer Contract Change Orders					
285.05 Contract Change Order Process	2		2		
290 Resolve Contract Claims					
290 . 05 Review and Analyze Notices of Potential Claims	2		2		
290 . 10 Supporting Documentation & Responses to NOPCs	2		2		
SUBTOTAL HOURS	6	0	6		
COST	\$1,193.58	\$0.00	\$ 1,193.58		
Task 3 - POST CONSTRUCTION SERVICES					
295 Accept Contract, Prepare Final Construction Estimate, and Prepare Final Report					
295 . 05 Process Estimate After Acceptance	2		2		
295 . 10 Prepare Proposed Final Contract Estimate	2		2		
295 . 15 As-Built Plans	2		2		
295 . 20 Prepare Project History File	8		8		
295 . 25 Prepare Final Report	2		2		
295 . 30 Process Final Estimate	2		2		
295 . 99 Other Accept Contract/Prepare Final Construction Estimate and Final Report	2		2		
SUBTOTAL HOURS	20	0	20		
COST	\$3,978.60	\$0.00	\$ 3,978.60		
TOTAL HOURS	48	40	88		
TOTAL LABOR COST	\$9,548.64	\$7,054.00	\$ 16,602.64	\$4,517.00	\$1,361.45
Mileage: Estimated 41 miles per trip x 20 trips at \$0.575/mile (RE)			\$ 471.50		
Mileage: Estimated 113 mi x 20 trips \$0.575/mile (Inspector)			\$ 1,299.50		

The cost of our services includes furnishing of all materials, equipment and computers, labor and insurance for all services as outlined in the County's Request for Proposal. Full-time working hours are included for our Inspector Rep for 10 Working Days with exception of working hours not allowed to be performed on Saturdays, Sundays or Holidays as stated in the construction contract special provisions. WBS codes for MGE internal purposes

\$24,252.09

	Start Location	End Location	miles	trips	Total
<u>Belle Street:</u>					
Resident Engineer	home	Downieville	41	20	820
Staff Inspector	MGE Office	Downieville	113	20	2,260
					3,080
<u>Goodyears Creek Road:</u>					
Resident Engineer	home	Downieville	41	20	820
Staff Inspector * 3 days a week inspection	MGE Office	Downieville	113	20	2,260
					3,080
<u>Foote Road (2 sites):</u>					
Resident Engineer	home	Foote Rd	42	30	1,260
Staff Inspector	MGE Office	Foote Rd	118	54	6,372
					7,632

For Foote Road Locations:

45 working days = 9 weeks, \$2,000/month / 4 * 9 = \$4,500

Belle Street Location:

Caltrans subsistence

Breakfast	\$8
Lunch	\$12
Dinner	\$20
Incidentals	<u>\$6</u>
total/day =	\$46

Assume work is between Sept 1, 2020 to Sept 15, 2020 (10 working days)

Staff Inspector 10*\$46 = \$460.00

Goodyears Creek Road Location:

Caltrans subsistence

Breakfast	\$8
Lunch	\$12
Dinner	\$20
Incidentals	<u>\$6</u>
total/day =	\$46

Assume work is between Sept 16, 2020 to Oct 6, 2020 (10 working days)

Staff Inspector 10*\$46 = \$460.00

Foote Road Locations (2 sites):

Caltrans subsistence

Breakfast	\$8
Lunch	\$12
Dinner	\$20
Incidentals	<u>\$6</u>
total/day =	\$46

Assume work is between Sept 1, 2020 to Nov 5, 2020 (45 working days)

Staff Inspector 27*\$46 = \$1,242.00