

**AGR 17-16b**  
**Santa Fe Engineering Consultants**  
**Vendor Number: 27998**  
**On-Call Engineering Services**

**Task Order No.: Two (2) - Amendment No. 2**

**Project Title: Los Alamos Canyon Road Rehabilitation Project**

**Job Cost #:** FE10-11

**Project Manager Assigned:** James Alarid, Deputy Utility Manager - Engineering

**Phone:** 505- 663-3420

**Contract Administrator:** James Alarid

**Department:** Los Alamos County Department of Utilities

**Vendor Contact:** Michael Gomez, P.E. Santa Fe Engineering Consultants, LLC

**Location of Work:** Los Alamos Canyon Road

**Scope of Work: Per Exhibit A (Pages 1 – 2) Engineer will provide:**

1. Additional services to meet the FEMA requirements not in original scope per Exhibit A.
2. Completion of work for all items included in original Task Order 2 extended to May 15, 2020.

**Start Work Date:** March 12, 2018

**Completion of Work Date:** May 15, 2020

**Attachments:** Exhibit A - Letter of Transmittal from Santa Fe Engineering Consultants, LLC to Clay Moseley dated December 3, 2018.

**Estimated Total Cost: (not to exceed amount):**

Task Order:	\$61,300.00
Amendment No. 1	\$ 9,283.95
Amendment No. 2	\$28,489.56
NMGRT at 8.4375%	\$ 8,359.33
<b>Total Estimated Cost:</b>	<b>\$107,432.84</b>

**SIGNATURE PAGE**

NAME	Date
Timothy Glasco, Utilities Manager	

NAME	Date
Michael Gomez, P.E. Santa Fe Engineering Consultants, LLC	

Santa Fe Engineering Consultants, LLC



Civil and Traffic Engineering  
Construction Management  
Land Development

1599 St Francis Drive, Suite B  
Santa Fe, N. M. 87505  
(505) 982-2845 Fax (505) 982-2641

December 3, 2018

Mr. Clay Moseley, Engineering Project Manger  
Los Alamos Public Works Department  
1000 Central Ave, Suite 130  
Los Alamos, NM 87544

**RE: LOS ALAMOS COUNTY CANYON RESERVOIR ROAD STABILIZATION  
PROJECT NO FE-10/FEMA-4199 – PROPOSAL FOR ADDITIONAL  
ENGINEERING SERVICES INCLUDING: DESIGN, PROJECT MANAGEMENT,  
ENVIRONMENTAL SERVICES, AND STRUCTURAL ENGINEERING.**

Dear Mr. Moseley:

As per your request, we have prepared a cost proposal for additional engineering services for the above referenced project.

For this proposal we have separated the work into the four (4) following tasks:

1. Provide additional coordination with Environmental subconsultant, USFS and FEMA. Several revisions of the EA, BA, and Archaeological survey.
2. Provide additional Environmental Services to include USFS species.
3. Analyze the coordinate systems and datums for the existing topography mapping from several separate surveys. Combine the various sources of topographic mapping for design.
4. Provide structural engineering design for the concrete structure section at Site No. 2

The man-hour summary by phase are presented in the attached Table 1. If you have any questions, or desire additional information, please do not hesitate to contact me. I am available at any time to meet or to make adjustments.

<b>TABLE 1 FEE BREAKDOWN SUMMARY</b> <b>ENGINEERING SERVICES FOR</b> <b>LOS ALAMOS COUNTY CANYON ROAD RESERVOIR RD STABILIZATION</b> <b>PROJECT NO. FE-10/FEMA-4199*</b>		
Phase III	Final Design	Fee
	Engineering Design & Coordination	\$21,745.56
	Subconsultants	
	Environmental / Biological – Ecosphere	\$6,744.00
	Subtotal	<b>\$28,489.56</b>
Phase IV	Bidding & Negotiation Phase Services	TBD
Phase V	Construction Phase Services	TBD
	Total exclusive NMGRT	<b>\$28,489.56</b>

\*See attached detailed manhour estimate

Sincerely,

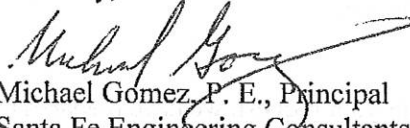
  
Michael Gomez, P. E., Principal  
Santa Fe Engineering Consultants, LLC.

TABLE 2

SANTA FE ENGINEERING CONSULTANTS  
LOS ALAMOS COUNTY CANYON RESERVOIR ROAD STABILIZATION PROJECT  
MAN HOUR AND COST ESTIMATE

	ENGINEER III	ENGINEER II	QA ENGINEER	PROJECT MANAGER	ENG. TECH	CADD DRAFTER	PROJECT ASSISTANT	SPEC COST BY TASK
PHASE III								
	\$152.63	\$121.08	\$121.08	\$95.58	\$82.84	\$63.73	\$66.91	
HOURLY RATES BY PERSONNEL								
FINAL DESIGN - 90%								
ANALYZE TOPOGRAPHIC MAPPING FROM VARIOUS SOURCES	8	0	0	2	0	1	0	\$1,475.93
COMBINE TOPOGRAPHIC MAPS FOR DESIGN	8	2	0	0	16	10	1	\$3,492.85
ADDITIONAL MEETINGS WITH FEMA, NMSD, USFS, MEETING WITH NMDOT	4	4	0	4	0	0	4	\$1,744.80
PREPARE MEETING MATERIALS AND MEETING MINUTES	0	0	0	0	0	0	4	\$267.64
ADDITIONAL BA COORDINATION AND REVIEWS	4	0	0	2	0	0	0	\$801.68
SURVEY COORDINATION, VERIFICATION, AND REVIEW	0	4	0	2	4	0	0	\$1,006.84
ADDITIONAL DESIGN WORK PER USAGE	8	2	0	0	16	4	0	\$3,043.56
RETAINING WALL DESIGN AND CONCRETE STRUCTURE SECTION AT SITE NO. 2	12	8	0	2	8	12	0	\$4,418.84
PREPARE 95% DESIGN SUBMITTAL	0	0	0	0	0	0	0	\$0.00
PREPARE 95% COST ESTIMATES & QUANTITIES	1	4	0	6	4	2	4	\$1,936.89
PREPARE TECHNICAL SPECIFICATIONS AND ADDITIONAL ENVIRONMENTAL NOTES	4	4	0	2	0	0	1	\$1,352.91
QUALITY ASSURANCE / QUALITY REVIEW	0	0	4	0	0	0	0	\$484.32
COUNTY REVIEW	0	0	0	0	0	0	0	\$0.00
DESIGN TEAM REVIEW MEETING	3	3	0	3	0	0	0	\$1,107.87
PREPARE MEETING MATERIALS AND MEETING MINUTES	0	0	0	0	0	0	2	\$133.82
STAMP & SUBMIT 100% ROADWAY & DRAINAGE PACKAGE	1	0	0	2	0	0	2	\$477.61
TOTAL	53	31	4	25	48	29	18	\$21,745.56
SUBTOTAL PHASE III								
\$21,745.56								
CONSULTANTS								
ENVIRONMENTAL SUBCONSULTANT								
SUBCONSULTANT TOTAL								
\$6,744.00								
\$6,744.00								
SUBTOTAL FINAL DESIGN								
\$28,489.56								
PHASE IV-BIDDING & NEGOTIATION SERVICES TBD								
PHASE V-ENGINEERING DURING CONSTRUCTION TBD								
TOTAL FINAL DESIGN NOT INCLUDING NMGR								
\$28,489.56								