AGENDA ITEM or FINAL CONTRACT REVIEW SUBMITTAL FORM

AgendaTitle:
Acknowledgment of County Manager Signature; Acceptance of Proposal; Buckhorn Geotech; Geotechnical Services

Action Requested: Other Acknowledgement

Parties to the Agreement: Gunnison County & Buckhorn Geotech

Term Begins: **Term Ends:** **Grant Contract #:**

Summary:
Boring, drilling, sampling & testing for the new Courthouse facility.

Fiscal Impact:

Submitted by: B. Lucero for M. Birnie **Submitter's Email Address:** mbirnie@gunnisoncounty.org

Finance Review: (●) Required ( ) Not Required

Comments:

2013 budget includes appropriation for Courthouse project sufficient to cover the cost of this agreement.

Reviewed by: Lnienhueser Discharge Date: 7/2/2013

County Attorney Review: (●) Required ( ) Not Required

Comments:

Reviewed by: ATrezise Discharge Date: 7/1/2013 Certificate of Insurance Required

Yes ( ) No (●)

County Manager Review:

Comments:

Reviewed by: MBirnie Discharge Date: 7/2/2013

(●) Consent Agenda ( ) Regular Agenda ( ) Worksession Time Allotted:

Agenda Date: 7/23/2013 Follow Up Agenda Date: N/A

Revised April 2013

REQUEST FOR PROPOSAL – GEOTECHNICAL SERVICES

DATE: May 6, 2013

PROJECT:
Gunnison County New Courthouse Building Facility - Gunnison, CO

The forthcoming building construction project is to be comprised, first, of the demolition of the existing County Courthouse & Administrative Office Building except for the circa 1881, two-story (above grade with partial basement and partial crawl space) Original Historic Building element around which the balance of the existing building was constructed, followed by the reconstructive renovation of the same circa 1881 Original Historic building element; behind or around which development of a new, state-of-the-art County Courthouse & Administrative Office Building Facility incorporating the 1881 historic building element will be constructed, all on the same city block building site.

The new Courthouse building will include a full basement level of occupied space also containing below-grade, basement level vehicle parking. The building will incorporate several passenger elevators leading from the basement level to the two occupied building levels above. Reference is made to the *Gunnison County Courthouse Needs & Systems Assessments, Space Planning & Basic Building Programming Report* document dated 26 March 2013 for reference to Option 4 which provides description of the extent of the plan for development under consideration as the basis for further conceptual design development.

Projected building footprint is anticipated to be approximately 22,000 Gross Square Feet, including the renovated building element described above.

OWNER:
Gunnison County, Colorado
Attn: Matthew Birnie, County Manager
200 E. Virginia Ave.
Gunnison, CO 81231
(970) 641-0248
mbirnie@gunnisoncounty.org

GEOTECHNICAL ENGINEER
TBD

ARCHITECT
TBD

OWNER'S PROJECT CONSULTANT:

Michael J. Mismash, dba
MJM Project Consulting, LLC
7400 W. Grant Ranch Blvd., No. 23
Littleton, CO 80123
(303) 619-3707
emjem@comcast.net

REQUEST FOR PROPOSAL (RFP)

The Owner requests the Geotechnical Engineer to submit to the Owner a proposal for geotechnical investigation and engineering services for the proposed Project at the property described below **no later than June 3, 2013.**

The Geotechnical Engineer shall submit the proposal by forwarding one (1) signed printed original of the proposal with a signed copy of this RFP to the Owner, AND printed copies of the same to the Owner's Project Consultant, at the addresses given above, as well as electronic copies, via e-mail, to the Owner and the Owner's Project Consultant at the e-mail addresses given above. The Geotechnical Engineer shall include with the proposal a statement defining any proposed deviations from the requirements of this RFP, including additions, deletions, exceptions and revisions.

If the Owner accepts the proposal, three (3) copies of this RFP, as may be modified or clarified as may be necessary by the Owner, will be executed by the Owner and Geotechnical Engineer. One will remain with the Owner, one will be returned to the Geotechnical Engineer, and one will be forwarded to the Architect of the building project. Upon this mutual execution, this RFP and all attachments listed herein shall form the Agreement between the Owner and the Geotechnical Engineer.

The Geotechnical Engineer shall hold the proposal open for acceptance by the Owner for a period of twenty-one (21) calendar days after the date of submittal to the Owner and Owner's Representative.

GEOTECHNICAL PROPOSAL

ARTICLE 1 GENERAL PROVISIONS

§ 1.1 TIME

Refer to Buckhorn Geotech Proposal on page 6, "Schedule".

§ 1.2 COMPENSATION

§ 1.2.1 The Geotechnical Engineer shall attach the lump sum fee or rate and price schedule information, or both, to the proposal. The cost of the geotechnical investigation and engineering services (including the furnishing of all materials, apparatus, labor and any required insurance) for

soil and rock boring and other exploration procedures, sampling, field and laboratory testing, preparing and submitting boring logs and report(s) and providing geotechnical services during construction, shall be based on the Geotechnical Engineer's current rate schedule, stating a not-to-exceed cost without prior written authorization by the Owner

If work requested by the Architect pursuant to Article 4 involves additional charges, prior written approval of the Owner shall be obtained prior to proceeding.

§ 1.3 BILLING AND PAYMENT

§ 1.3.1 Billing for the investigation shall be delivered to the Owner's address as shown herein, with a copy to the Architect.

§ 1.3.2 PAYMENTS

Unless otherwise agreed, payments for services shall be made monthly in proportion to services performed. Payments are due and payable thirty (30) days from the date the Geotechnical Engineer's Invoice is received by Owner. If the Owner wishes to dispute any payments to the Geotechnical Engineer, Owner shall advise the Geotechnical Engineer within fourteen (14) calendar days of Owner's receipt of the invoice, and shall identify the specific item(s) and dollar amounts under dispute. Undisputed amounts of the invoice shall be due as described above. Amounts unpaid sixty (60) days after the invoice date shall bear interest at the rate of 6% per annum.

Records of Reimbursable Expenses, expenses pertaining to Additional Services, and services performed on the basis of hourly rates shall be provided monthly to the Owner on the Geotechnical Engineer's Invoice.

§ 1.4 INSURANCE

§ 1.4.1 The Geotechnical Engineer shall provide a list of all insurance coverages in effect on the date of this proposal. For each coverage, this list shall identify the type of coverage, the name of the insurer, the limit of liability and the date of expiration of the applicable policy(ies). The minimum coverages shall be those required by law.

§ 1.4.2 Unless otherwise specified by herein, the Geotechnical Engineer agrees to maintain each insurance coverage specified on the list in effect, with identical or greater limits of liability, until Substantial Completion of the Project, plus any additional time period if specified herein.

§ 1.4.3 Certificates of insurance acceptable to the Owner shall be filed with the Owner prior to the commencement of services and after each renewal date of the policies listed on the certificates. These certificates shall contain a provision that coverages afforded under the policies will not be cancelled until at least thirty (30) days' prior written notice is given to the Owner.

§ 1.5 QUALIFICATIONS

§ 1.5.1 All work shall be performed by qualified personnel under supervision of a Registered Professional Engineer. All reports shall bear the seal of a Registered Professional Engineer.

§ 1.6 REPORTS AND LOGS

§ 1.6.1 Deliver one copy of Geotechnical Report(s) and logs to the Owner and one copy to the Architect. It is understood that the Owner, or the Architect on the Owner's behalf, may make and distribute copies of the reports, including boring logs, as necessary in connection with the proposed Project without incurring obligation for additional compensation.

ARTICLE 2 PROPERTY INFORMATION PROVIDED BY OWNER

§ 2.1 LOCATION/COMMON DESCRIPTION:

The project building site location is a full city block in the City of Gunnison, bounded by East Virginia Avenue, North Iowa Street, East Georgia Avenue and North Taylor Street.

§ 2.3 The Owner has title to this property and the right of entry for this subsurface investigation.
Other conditions:
The Geotechnical Engineer shall contact the following person(s) in order to schedule site access and make necessary arrangements:

Mr. Matthew Birnie, County Manager
Phone: 970-641-0248
E-mail: mbirnie@gunnisoncounty.org

ARTICLE 3 PROJECT INFORMATION

§ 3.1 See *Gunnison County Courthouse Needs and Systems Assessments, Space Planning & Basic Building Programming Report dated 26 March 2013.*

ARTICLE 4 SAMPLING AND TESTING

§ 4.1 BENCHMARKS

§ 4.1.1 The Geotechnical Engineer shall establish a benchmark at the site, record its location, and reference its elevation to National Vertical Geodetic Datum (NVGD) 1929 or Official town datum.

§ 4.2 BORINGS

§ 4.2.1 The location and depth of the borings proposed by the Geotechnical Engineer shall be shown on a sketch accompanying the Geotechnical Engineer's proposal. If the Geotechnical Engineer finds it necessary to change the location or depth of any of these proposed borings, the Architect shall be notified and a new location or depth shall be agreed upon between the Architect and the Geotechnical Engineer.

§ 4.2.2 If unusual conditions are encountered, including but not limited to unanticipated materials which cannot be penetrated by standard sampling equipment, the Geotechnical Engineer shall immediately consult with the Architect.

§ 4.2.3 The Geotechnical Engineer shall advise the Architect as to any further exploration and testing required to obtain information that the Geotechnical Engineer requires for a professional interpretation of subsoil and water table conditions at the building site and shall perform such additional work as authorized by the Owner after consultation with the Architect. The extent of

exploration undertaken shall be consistent with the scope of the Project as indicated by the information given above and by any drawings attached hereto.

§ 4.3 DRILLING AND SAMPLING METHODS

§ 4.3.1 Unless otherwise stipulated, drilling and sampling will be performed in accordance with current applicable ASTM (American Society of Testing and Materials) standards and other standards, including, but not limited to ASTM standards D1586, D1587 and D2113.

§ 4.3.2 The samples shall be preserved and field logs prepared either by a Geotechnical Engineer or by an experienced soils technician acting under the supervision of a Geotechnical Engineer.

§ 4.4 PROTECTION OF PROPERTY

§ 4.4.1 The Geotechnical Engineer shall contact the Owner and all utility companies for information regarding buried utilities and structures, shall take all reasonable precautions to prevent damage to property both visible and concealed, and shall reasonably restore the site to the condition existing prior to the Geotechnical Engineer's entry. Such restoration shall include, but not be limited to, backfilling of borings, patching of slabs and pavements, and repair of lawns and plantings. Each boring should be temporarily plugged, pending need for additional subsequent groundwater readings if deemed advisable by the Geotechnical Engineer. At the completion of the groundwater readings, the borings shall be permanently plugged, including patching of slabs and pavements.

ARTICLE 5 REPORTS

§ 5.1 FORMAT

All segments of the reports covering the investigations and analyses shall be made on white paper, 8 1/2 x 11 inches, suitable for photocopying, and shall be bound in booklet form.

§ 5.2 FIELD AND LABORATORY REPORTS

The Geotechnical Engineer shall prepare reports in accordance with their customary practices to include the items checked below:

§ 5.2.1 All data required to be recorded according to the ASTM standards or other standard test methods employed shall be obtained, recorded in the field and referenced to boring numbers; soil shall be classified in the field logs in accordance with applicable ASTM standards and other standards, including, but not limited to, ASTM standard D2488, but the classification for final logs shall be based on field information, plus results of tests, plus further inspection of samples in the laboratory by the Geotechnical Engineer preparing the reports.

§ 5.2.2 Include with the report a chart illustrating the soil classification criteria and the terminology and symbols used on the boring logs.

§ 5.2.3 Identify the ASTM standards or other recognized standard sampling and test methods utilized.

§ 5.2.4 Provide a plot plan giving dimensioned locations of test borings.

§ 5.2.5 Provide vertical sections for each boring plotted and graphically presented showing number of borings, sampling method used, date of start and finish, surface elevations, description of soil and thickness of each layer, depth to loss or gain of drilling fluid, hydraulic pressure required or number of blows per foot (N value for each sample) and, where applicable, depth to wet cave-in depth to artesian head, groundwater elevation and time when water reading was made and presence of gases. Note the location of strata containing organic materials, wet materials or other inconsistencies that might affect engineering conclusions.

§ 5.2.6 Describe the existing surface conditions and summarize the subsurface conditions.

§ 5.2.7 Provide appropriate subsurface profiles of rock or other bearing stratum.

§ 5.2.8 Estimate potential variations in elevation and movements of subsurface water due to seasonal influences.

§ 5.2.9 Report all laboratory determinations of soil properties.

§ 5.2.10 Other items as requested by the Owner.

§ 5.3 DISPOSITION OF SAMPLES

§ 5.3.1 After all laboratory tests have been completed, dispose of samples as is customary for the Geotechnical Engineer or as specifically requested by Owner

ARTICLE 6 FOUNDATION ENGINEERING EVALUATION AND RECOMMENDATIONS

§ 6.1 The Geotechnical Engineer shall analyze the information developed by investigation or otherwise available to the Geotechnical Engineer, including those aspects of the subsurface conditions which may affect design and construction of proposed structures, and shall consult with the Architect on the design and engineering requirements of the Project. Based on such analysis and consultation, the Geotechnical Engineer shall submit a professional evaluation and recommendations for the necessary areas of consideration including, but not limited to, the items checked below. **Specific attention is made to the need for professional advice and recommendations regarding geotechnical conditions relative to the plan to demolish existing building elements currently surrounding the circa 1881 Original Courthouse Building, for purpose of protection of that structure and its foundation for incorporation of a renovation of that building element for incorporation into the new building design.**

§ 6.1.1 Foundation support of the structure and slabs, including bearing pressures, bearing elevations, foundation design recommendations and anticipated settlement.

§ 6.1.2 Anticipation of, and management of, groundwater for design of structures and pavements.

§ 6.1.3 Lateral earth pressures for design of walls below grade, including backfill, compaction and subdrainage, and their requirements.

§ 6.1.4 Soil material and compaction requirements for site fill, construction backfill, and for the support of structures and pavements.

§ 6.1.5 Subgrade modulus for design of pavements or slabs.

§ 6.1.6 Temporary excavation and temporary protection, such as excavation sheeting, underpinning and temporary dewatering systems.

§ 6.1.7 Stability of slopes.

§ 6.1.8 Seismic site class for the upper 100 feet of the soil profile. State the method used for the determination of this site class. Propose any additional testing that may be required to achieve site class D or better if the site class is originally estimated to be E or worse. If deep foundations of driven piling or drilled caissons become necessary, provide appropriate soil parameters as needed for "L-Pile" or other lateral analysis.

§ 6.1.9 Frost penetration depth and effect.

§ 6.1.10 Analysis of the effect of weather or construction equipment or both on soil during construction.

§ 6.1.11 Analysis of soils to ascertain presence of potentially expansive, deleterious, chemically active or corrosive materials or conditions, or presence of gas.

§ 6.1.12 Evaluation of depth of material requiring rock excavation and methods of removal.

ARTICLE 7 ATTACHMENTS

§ 7.1 None.

ARTICLE 8 SUBMISSION OF PROPOSAL

By signing this RFP, the Geotechnical Engineer represents that all appropriate Attachments and additions have been made and that any proposed deviations from the requirements of the Owner's request have been clearly identified in the Geotechnical Engineer's proposal, as revised and dated 20 June, 2013, including All Attachments listed therein as referenced in said revised proposal that, after execution by the Owner, henceforth shall form the Agreement between the Owner and the Geotechnical Engineer.

GEOTECHNICAL ENGINEER	PROPOSAL DATE
Kari Roberts	7-1-13
(Signature)	*(Month, day and year)*
Kari Roberts	
(Printed name and title)	

ARTICLE 9 ACCEPTANCE OF PROPOSAL

By signing this RFP, the Owner accepts the Geotechnical Engineer's proposal, as revised and as dated 20 June, 2013, including all Attachments listed thereto as referenced in said revised proposal that henceforth shall form the Agreement between the Owner and the Geotechnical Engineer.

OWNER

(Signature)

ACCEPTANCE DATE

July 1, 2013

(Month, day and year)

Matthew Birnie County Manager

(Printed name and title)

---END---

BUCKHORN GEOTECH

Civil, Structural & Geotechnical Engineers

222 South Park Ave. • Montrose, CO 81401
Ph.: (970) 249-6828 • FAX: (970) 249-0945

June 20, 2013

Matthew Birnie
Gunnison County Manager
200 E. Virginia Avenue
Gunnison, CO 81231

Transmitted by email to: ***birnie@gunnisoncounty.org***

RE: REVISED PROPOSAL FOR GEOTECHNICAL ENGINEERING SERVICES GUNNISON COUNTY NEW COURTHOUSE BUILDING FACILITY PROJECT

Dear Mr. Birnie:

As discussed with Michael Mismash last week, we are providing you with a revised scope of work for the referenced project. Considering our previous work performed for Gunnison County in 2004 at the site, we can reduce the number of boreholes needed to gather the necessary information. The information from our 2004 report indicates that groundwater may not be encountered at the site and therefore installation of groundwater monitoring wells may not be necessary. The following proposal presents our revised scope of work and estimated costs.

Please refer to the section in our proposal dated June 3, 2013, for information regarding *Site Conditions and Proposed Construction* and *Site Experience*.

Revised Scope of Services

The *Scope of Services for Owner's Geotechnical Engineer* provided to us details of an in-depth approach which includes geotechnical, structural, and civil engineering as well as surveying services. Buckhorn Geotech can provide these services under one roof, working as a team to provide a cost efficient and integrated approach to achieving the project goals. The following revised scope of services outlines our proposed approach, given that we will utilize information from our 2004 report. The scope includes a geotechnical evaluation, an evaluation of the general structural integrity of the existing historic courthouse foundations, pavement design, production of civil design parameters for subsurface drainage, and establishment of a survey benchmark and determination of borehole elevations.

1. Borehole Locations and Site Access

The figure on the next page shows the revised borehole locations and our anticipated depth of drilling (⊕ designates the proposed borehole locations and the TD indicates proposed total depths). The three proposed borehole locations combined with the information from the four boreholes in our 2004 report should provide sufficient subsurface information to meet the project goals. If it is necessary to change the location or depth of any of these proposed

boreholes or to add additional boreholes, the Architect and County Manager shall be notified and the proposed location and depth of the borehole shall be agreed upon. The three new borehole locations will be verified and marked in the field for clarification of utility locates. The locations of boreholes and proposed groundwater monitoring holes will be coordinated with Gunnison County personnel. The elevation and location of each borehole will be surveyed. A survey benchmark will be established at the site with location recorded and elevation referenced to the national Vertical Geodetic Datum (NVGD) 1929 or an official town datum.

We will coordinate our field work schedule with you and the Gunnison County administration to minimize impacts to Gunnison County staff and the public. We will also coordinate with Gunnison County to provide barricades or traffic cones as needed.

2. Utility Locates

Prior to our on-site evaluation, we will coordinate utility locates with the Utility Notification Center of Colorado (UNCC) for the proposed borehole locations. **Utilities such as water, sewer, cable, and telephone will not be marked by the respective utility owner past their junction boxes or valves, and will remain the responsibility of Gunnison County to clearly mark prior to our evaluation.** If irrigation systems exist on the property, these should be indicated as well. We will work with Gunnison County staff to avoid buried utilities to as great extent as possible.

3. Resource Review

As a part of our investigation, we will review soils and geological information available for the area around each project site. We will also review pertinent reports relating to the Gunnison region that we at Buckhorn Geotech have produced, in-house, over the past 35 years. **As noted earlier in this proposal, Buckhorn Geotech brings site specific experience to this courthouse project.** The information from our 2004 report as well as additional regional

information will be drawn upon prior to our field work to clarify and focus the goals of the field evaluation.

4. Site and Subsurface Exploration

At the proposed building site, we will conduct a visual surface reconnaissance and describe the features of the terrain that may affect the proposed construction. We will then evaluate the subsurface conditions from three borings drilled at the proposed building site. We propose that two boreholes be drilled to a depth of 30 feet and one to a depth of 40 feet, or to conventional drilling auger refusal. The proposed locations and depths of the three borings are shown on the photograph on page 2 of this proposal. Representative samples of the subsurface materials encountered will be collected for classification and laboratory testing.

5. Groundwater Monitoring (if necessary)

Groundwater, if present at the time of drilling, will be noted. If groundwater is present, water levels will be recorded at the time of drilling. Based upon our previous experience at this site and at adjacent sites, however, we do not anticipate the presence of groundwater within 25 feet of prevailing grades. If groundwater is encountered within 30 feet of the ground surface, one of the three boreholes will be completed as a groundwater monitoring hole. This monitoring hole will be permitted with the Colorado Division of Water Resources (DWR) and will be completed in a manner acceptable to the DWR including a locking cap. Groundwater level readings will be recorded on a weekly basis for one month and monthly thereafter following the field evaluation to establish groundwater level data. It is anticipated that water levels will be measured when nearby city ditch systems are active. **Recommendations related to groundwater, waterproofing and dewatering will not be available until completion of the monitoring period.** Following completion of the monitoring period, the monitoring well will be abandoned (plugged and sealed) according to DWR regulations.

6. Drilling

We will sub-contract the drilling to an experienced and knowledgeable drilling contractor. The fee indicated is based on the estimated time to complete the fieldwork using conventional geotechnical drilling tools and equipment, anticipated at 1 day. The boreholes will be backfilled after drilling unless it is necessary to complete one of them as a monitoring well.

7. Laboratory Testing

Representative samples of the subsurface materials encountered at each site will be brought back to our Gunnison laboratory and tested to evaluate compositional and structural properties. Sieve and Atterberg limits tests will be performed on the subgrade soil types encountered. Corrosivity testing will be conducted to evaluate the soil's corrosive affect on underground metallic conduits and concrete. California Bearing Ratio (CBR) and proctor tests may be performed on representative soil samples obtained from the areas proposed for pavement. Other tests we may perform on the samples include swell/consolidation testing, moisture content, and dry density.

8. Structural Evaluation of Original Courthouse Building

The proposed construction includes retaining the original historic courthouse built in 1881. This building is described as having a partial basement and partial crawl space. Existing information indicates that the east end of the 1881 structure is a full basement (assumed to be 8 feet in depth). The new construction anticipates a 12 foot deep basement with excavations to a maximum depth of 15 feet adjacent to the east side of this historic structure, resulting in a 4 to 7 foot undercut below 1881 basement foundations. Due to the nature of the native soils, as first choice for excavation stabilization, we envision a chemical grout wall for supporting the 1881 basement. If this method is not feasible or desirable, then a form of mechanical underpinning will be evaluated.

To complement the geotechnical issues involved, an evaluation of the existing building foundation system will be conducted by one of our licensed structural engineers. This evaluation will address the presence and nature of a foundation (if any), estimate existing bearing loads at the structure, and evaluate the structural integrity of the existing foundation system. This evaluation will be accomplished by visual observation in the crawl space and basement, recording of wall and foundation materials and conditions, and testing for the presence of reinforcing materials such as rebar. Soil sampling and testing in the borehole adjacent to the historic courthouse will be conducted to evaluate soil parameters for chemical grouting of native soils. **Recommendations will be provided in the geotechnical report for supporting of the existing structure, for integration of the new structure with the historic structure, and for excavation wall stabilization measures.** Since it is difficult to determine how much time will be necessary to complete the structural evaluation, we are presenting the costs for these services on an hourly basis, with an estimated cost ranging from $1,000 to $4,000. We believe this will be the most efficient and economic way to conduct this part of the evaluation.

9. Geotechnical Report

Once all of our field, laboratory, and office information has been gathered and evaluated we will produce a geotechnical report of our findings. The reports will describe the geologic setting of and any pertinent geologic hazards pertaining to the project, our field, office, and laboratory work, and graphically illustrate the test results. The following information will be provided, as necessary:

- Recommendations for foundation systems and slabs on-grade, including bearing pressures, bearing elevations, and anticipated settlement
- Approximate depths to competent bearing strata
- Evaluation of depth of material requiring rock excavation and methods of removal
- Lateral earth pressures for design of walls below grade, including backfill, compaction, and subdrainage, and their requirements
- Anticipation and management of groundwater
- Treatment of subgrade soils during construction
- Temporary excavation protection
- Seismic design criteria as per 2009 IBC
- Analysis of soils for presence of potentially collapsible, expansive, deleterious, chemically active or corrosive materials or conditions and recommended mitigation

- Gradation and compaction requirements for site fill, construction backfill, and for the support of structures and pavements
- Use of native soils for fills
- Frost penetration depth and effect
- Subgrade modulus for design of slabs
- California Bearing Ratio test results for design of pavements
- Pavement section design recommendations and subgrade preparation information
- Recommendations for supporting of the existing structure, for integration of the new structure with the historic structure, and for excavation wall stabilization measures
- General site grading concerns and management of drainage and erosion
- Requirements for subgrade verification prior to foundation construction

The report will provide the information requested in Item 11 in the *Scope of Services for Owner's Geotechnical Engineer* and in Article 6 of the *Request for Proposal – Geotechnical Services.*

10. Drainage Design Recommendations

The proposed new courthouse facility will have a basement at a depth of 10 to 12 feet below grade. Although no groundwater was encountered to a depth of 26 feet in our previous geotechnical evaluation work at the site, the possible presence of seasonally high groundwater should not be discounted. Item 11.d. in the *Scope of Services for Owner's Geotechnical Engineer* requests design parameters for design of perimeter and possibly under slab drains.

Several measures are available for estimating hydraulic conductivity of soils for design purposes including empirical laboratory methods and experimental in-situ field methods. The particle size and classification of a soil, determined empirically in a soils laboratory, will provide broad design parameters for drainage design. Field measurements of hydraulic conductivity of soils include a slug test (impacting static water levels by adding or removing a known volume and measuring recovery of static water level) and percolation testing (adding water and measuring the rate of percolation into the soil).

Laboratory testing of soil particle size and classification will be conducted as part of our site evaluation. Slug testing should only be necessary if groundwater is found within the depth of excavation intended. Buckhorn Geotech believes it would be in the best interest of Gunnison County to provide field measurements of hydraulic conductivity of the soil as a separate line item to be provided if deemed necessary after the site evaluation is completed. If uniform, well drained, gravely soils are encountered at foundation level in all of our borings (as is anticipated), drain parameters can be estimated from the laboratory analysis and in-situ field testing would be unnecessary.

11. Additional Services

Our standard unit rate fees are attached and will be applicable for additional services as needed including consultation with the design team in response to questions and clarifications during the design process.

Cost and Schedule for Geotechnical Engineering Services

Our fees for the Scope of Services presented in this revised proposal are as follows:

Geotechnical evaluation, lab testing, and report	LUMP SUM $6,800
Survey, establish benchmark, borehole locations and elevations	LUMP SUM $1,300
Drill rig and operator (subcontractor, estimate)	$1,500-2,500
Structural Evaluation, estimated, to be billed hourly	$1,000-4,000
Installation of groundwater piezometer, if necessary	Cost of materials
Groundwater monitoring, per hourly rates, if necessary	Hourly, if needed
Groundwater monitoring report, per hourly rates, if necessary	Hourly, if needed
Abandon monitoring holes, per hourly rates, if necessary	Hourly, if needed
Post report services during design and construction, per hourly rates	Hourly, as needed

These fees assume we will have unobstructed access to the sites, permission to enter the property to perform our field evaluation, and can perform the drilling in one day. Electronic drawings of the site and improvements are requested for use in our report. These fees may be renegotiated if the site conditions vary significantly from the description given in the *Site Conditions and Proposed Construction* Section, or if architectural details require additional or more extensive investigative work than assumed for preparation of this proposal. Any changes to these fees will be approved by the client prior to beginning the changed work.

Statement of Exception

Buckhorn Geotech has carefully reviewed the requirements of the project as set forth in the Request for Proposal and have one possible exception. Item 12 in the Scope of Services for Owner's Geotechnical Engineer states the final geotechnical report will be due within 3 weeks of receipt of the Notice to Proceed. Article 1 General Provisions, Section 1.1 Time (1.1.1) of the Request for Proposal – Geotechnical Services states the geotechnical evaluation should be complete within thirty (30) calendar days after written authorization to proceed.

Buckhorn Geotech will place the highest priority in providing Gunnison County with the completed geotechnical report in a timely and efficient manner. Our standard time frame is 30 calendar days from notice to proceed, dependent upon the availability of a subcontracted drill rig. Much of the time frame involves utility locates, testing procedures in the laboratory, analysis of data, and engineer's review. We believe the 30 calendar day time frame is feasible but the 21 day time frame is not. As noted previously, the recommendations related to basement level dewatering, will not be available until after completion of the groundwater monitoring period (if necessary).

Schedule

At this time we have tentatively scheduled a drill rig for July 8, therefore August 7 is our anticipated date for report completion. Upon execution of a contract with us, we will confirm these dates with the Owner. We understand that the Owner shall be informed of any delays and their cause due to circumstances beyond our control.

Insurance Certificates

Buckhorn Geotech maintains the following insurance coverage:

Type of Coverage	Insurer	Limit of Liability	Expiration Date
Professional liability	Lexington Insurance	$1,000,000 per claim	7/22/13
General liability	Travelers	$1,000,000 each occurrence	1/16/14
Workers compensation	Pinnacol Assurance	$1,000,000	4/01/14

We can provide copies of our firm's current Insurance Certificates upon request.

Closure

We thank you for the opportunity to revise the scope of work contained in this proposal. We trust this proposal satisfies your present requirements. Please do not hesitate to contact us if you have any questions about the revised scope of services and cost estimates presented.

Respectfully Yours,
BUCKHORN GEOTECH, INC.

Kari Roberts

Kari Roberts, E.I.
Project Manager

Cc: Michael J. Mismash; Project One Integrated Services, *emjem@comcast.net*

BUCKHORNGEOTECH

Civil, Structural & Geotechnical Engineers

222 South Park Ave. • Montrose, CO 81401
Ph: (970) 249-6828 • FAX (970) 249-0945

BUCKHORN GEOTECH, INC.
UNIT RATE SCHEDULE -- EFFECTIVE May 2013

ENGINEERING BILLING RATES

Principal	$150.00/hour
Senior Project Manager	$125.00/hour
Professional Engineer	$105.00/hour
Project Manager	$105.00/hour
Professional Geologist	$100.00/hour
Staff Engineer	$100.00/hour
Soil Scientist/Geologist	$ 90.00/hour
Senior Designer II	$105.00/hour
Senior Designer	$100.00/hour
Engineering Technician II	$ 85.00/hour
Engineering Technician I	$ 75.00/hour
Soil/Geologic Technician	$ 75.00/hour
Clerical	$ 50.00/hour
Resident Project Representative	$ 85.00/hour
Lab Manager	$ 75.00/hour
Lab/Field Technician	$ 60.00/hour

CONSTRUCTION MATERIALS TESTING

CMT Project Manager	$ 100.00/hour
Field Technician	$ 60.00/hour
Construction Inspector (Foundation, Piers, Pilings)	$ 85.00/hour
Steel/Weld Inspector	$ 85.00/hour

SURVEY

Project Surveyor	$ 90.00/hour
Survey Crew	$160.00/hour
Survey Crew Member	$ 80.00/hour
Survey Technician	$ 80.00/hour

REIMBURSABLE (DIRECT) EXPENSES

- Blueprints: $0.50/square foot. $3.00/24"x36" sheet. $4.50/30x43. $9.00/36x72
- Computer Plotting: Mylars, $15 sheet. Vellum, $10 sheet
- Photocopies: 8.5 x 11 sheet, 10¢/sheet. 8.5x14 sheet, 15¢/sheet. 11x17 sheet, 25¢/sheet
- Mileage $0.65/mile
- Long Distance, Faxes, Federal Express, UPS, etc ..... Cost
- Travel fees and subsistence ..... Cost
- Sub-Consultants ..... Cost plus 10%
- Monuments, i.e. Rebar, Caps, T-Post Monument Box, Concrete ..... Cost
- Copies of Deeds and Plats of Record ..... Cost
- ATV $100/day

SOILS LABORATORY TESTING

Atterberg Limits (PI) (ASTM 4318)	$ 85.00
Atterberg Limits (PI) Non-Plastic Soil (ASTM 4318)	$ 40.00
Shrinkage Limit (ASTM D427)	$ 95.00
Sieve Analysis (ASTM D422)	$ 85.00
Hydrometer Analysis (ASTM D422)	$ 85.00
Specific Gravity (ASTM D854)	$ 85.00
Moisture Content (ASTM D2216)	$ 15.00
Density (ASTM D4254)	$ 20.00
Standard proctor (ASTM D698)	
Complete	$135.00
Check Point	$ 50.00
With Rock Correction	$160.00
Modified Proctor (ASTM D1557)	
Complete	$150.00
Check Point	$ 70.00
With Rock Correction	$185.00
Swell/Consolidation (ASTM D2435)	
Undisturbed	$ 85.00
Remolded	$ 95.00
California Bearing Ratio (ASTM D1883)	$375.00 (3 points)
Resistance R-Value (ASTM D2844)	$310.00
Unconfined Compressive Strength (UCS) of rock (ASTM 2938)	$120.00
Unconfined Compressive Strength (UCS) of soil (ASTM 2166)	$100.00
Direct Shear 3 Points per Test (ASTM D3080)	
Undisturbed	$250.00 (per point)
Remolded	$310.00
Triaxial Shear (ASTM D4767)	$1,650.00
Water Soluble Sulfates	$ 40.00
pH of Soil (ASTM 51)	$ 35.00
Corrosivity Series (pH, Resistivity, Chlorides, Sulfates)	$ 85.00
Set up of Special Tests and Preparation of Remolded Samples	Per hourly rate schedule
Dispersive (Crumb) Test (ASTM D6572)	$ 30.00
Soak Test	$ 30.00

CONCRETE LABORATORY TESTING

Compressive Strength Cylinders (ASTM C39)	
Cylinder Cast by Buckhorn	$ 18.00/cylinder
Cylinder Cast by Others	$ 30.00/cylinder
Unit Weight of Hardened Concrete	$ 50.00
Compressive Strength of Mortar Cubes (2"x2") (ASTM C780)	$ 18.00
Beam Flexural Strength	$ 40.00
Compressive Strength of Drilled Cores (ASTM C42)	$ 40.00
Los Angeles Abrasion (ASTM C131 &C535)	$135.00
Soundness Tests	
Magnesium Sulfate (ASTM C88)	$220.00
Sodium Sulfate (ASTM C88)	$250.00
Specific Gravity of Aggregates (ASTM C127 &C128)	$ 85.00
Sampling Charges	Per hourly rate schedule
Crushing Charges	Per hourly rate schedule

CONCRETE FIELD TESTS

Concrete Sampling – Slump, Air Content, Cylinder Preparation	Per hourly rate schedule
Diamond Core Drilling (2" through 6")	Per hourly rate schedule

ASPHALT FIELD TESTS

Asphalt Field Technician (In-Place Density Testing Using Producers Marshall)	Per hourly rate schedule
Diamond Core Drilling	Per hourly rate schedule

SCOPE OF SERVICES for OWNER'S GEOTECHNICAL ENGINEER
for
GUNNISON COUNTY NEW COURTHOUSE BUILDING FACILITY PROJECT

Date: **May 8, 2013**

SCOPE OF SERVICES

1. Currently there is not an exact building footprint or site layout. However, reference is made to the Gunnison County Needs and Systems Assessments, Space Planning and Basic Building Programming Report dated 26 March 2012, and specifically Option 4 therein, which describes the preliminary building development concept to be pursued in final programming and conceptual design. The Geotechnical Investigation will not take place until either the Owner or the Architect of the project has confirmed acceptance of the Geotechnical Engineer's recommendations for boring locations.
2. The building is anticipated to be a total of three stories, one of which is a basement. The building main level is expected to be 3 to 4 feet above existing grade. The basement is expected to be 10 to 12 feet below the existing grade. The maximum column dead load for the project is anticipated to be 330 kips and the maximum anticipated column dead plus live load for the project is 560 kips. The perimeter basement wall loads are expected to be 16 kips per foot. The building is anticipated to be constructed out of concrete and steel framed structural slabs with some masonry/concrete bearing walls.
3. Attached is a site plan showing the suggested number and location of site borings. Proposal shall be based on the suggested number of borings. If additional (or fewer) borings are needed for the proper evaluation of the site conditions, then state the recommended number of borings and locations that are recommended in your proposal to the County and the associated fee for your recommended number of borings.
4. For the purposes of this proposal, assume the water table in 3 of the borings will be monitored. Includes removal of monitors after conclusion of use.
5. Contact Gunnison County Manager to coordinate boring operations.
6. Obtain utilities locations from public underground utility notification services before performing on-site work.
7. Drill borings with a truck-mounted rig. Borings to be drilled sufficiently deep to evaluate appropriate foundation systems. Borings will be at least 10 feet deeper than probable bearing depth for deep foundations, if deep foundations anticipated to be appropriate, or to practical drill rig refusal, whichever is less.
8. Obtain sufficient samples from the borings to evaluate the engineering characteristics of the various soils and bedrock encountered. Samples are to be obtained at no more than 5 foot intervals in the upper 20 feet and no more than 5 to 10 foot intervals below.
9. Barricade borings while open and abandon and backfill the borings, after checking for ground water, to the satisfaction of the Owner.
10. The governing building code for the project is IBC 2009. The geotechnical investigation and report shall be in conformance with IBC Section 1803 and as indicated in this RFP.
11. The written geotechnical report shall be authored by a registered design professional. The geotechnical report shall address all of the applicable requirements of IBC chapter 18. Other information that, in the opinion of the Geotechnical Engineer, is important for the safe and proper design of the building foundations should also be included. At a minimum the report shall include the following:
    a. Identify and describe all soil conditions down to and including bedrock where appropriate. Make recommendations as to the most appropriate foundation systems and design parameters for those systems. Include recommendations regarding any known existing mine shafts, tunnels, subsurface obstructions or other geotechnical natural hazard as they might affect the foundations.

b. Provide information regarding site seismic considerations including Seismic Site Class definition, in accordance with Chapter 16, IBC 2009.

c. Address water tables as they may affect foundation and/or lower level construction. Measure and record water table level with respect to ground surface at the time of drilling and several days later. Estimate dewatering requirements and pumping rates, if any, for both construction and permanent conditions.

d. The following design parameters are requested for perimeter drains (and underdrains if they are recommended) adjacent to/or below the proposed building:

    i. Anticipated ground water flow rate into the system and drainage patterns around and below the building.

    ii. Proposed underdrain sizes, materials, and minimum slopes required

    iii. A detail of the perimeter drain and underdrains as it relates to the proposed foundation system including drainage, rock, piping, backfill, drainage boards, and geotextile fabric. Relationship to foundation with dimensions is also required.

    iv. Recommendations for minimum and maximum depth dimension from finish floor to pipe invert.

    v. Recommendations for spacing and number of cleanouts required for the system. Underdrain layout plans will be furnished to the Geotechnical Engineer for review and compliance with Geotechnical Study. Written approval by Geotechnical Engineer shall be required prior to construction.

e. For building foundation walls provide horizontal equivalent fluid pressures for both level and sloping backfill and footing friction values for resisting the horizontal forces for on site backfill materials and for imported structural fill. Also provide passive pressure values developed in the soil due to horizontal movement of the building foundation walls of 1/2 in. maximum. Include compaction requirements for backfill to achieve these values. Provide values without factors of safety for friction, passive, active, and at-rest soil values. The building engineer or record will apply code required factors of safety when sizing the foundation elements.

f. For site retaining walls provide retention options. Give the lateral pressures to be used in design of site retaining walls in terms of equivalent fluid pressures for on site materials and for imported structural fill. Give allowable soil footing pressures for retaining wall design. For tall retaining walls address overburden pressure effects on allowable soil pressures of the heel of the retaining wall.

    Provide horizontal equivalent fluid pressures for both level and sloping backfill against site retaining walls and footing friction values for resisting the horizontal forces. Also provide passive pressure values developed in the soil due to horizontal movement of the retaining walls of 1-inch maximum. Include compaction requirements for backfill to achieve these values. Provide ultimate values without factors of safety for friction, passive, and active soil values. The building engineer of record will apply code required factors of safety when sizing the foundation elements.

g. For existing fill which may exist on the site, address if that fill is acceptable for reuse, and the conditions under which it may be reused. Describe what material must be removed from that fill, if any. Provide import fill materials specifications and testing requirements.

h. Define settlement potential of existing and imported fill soils used under the building, for wall backfill, utility trench backfill, etc. Discuss the time required for settlement at anticipated fill thicknesses for on site material and for imported granular backfill. Provide recommendations to mitigate settlement.

i. Address excavation requirements and problems including temporary shoring design criteria for protection of adjacent buildings and property. Discuss whether use of un-conventional equipment is anticipated to excavate the site or if the use of blasting may be required.

j. Give recommendations relative to sub-grade for slab-on-grade construction and whether or not a structural floor should be used or considered due to adverse soil conditions. For subgrade provide the

modulus of sub-grade reaction, sub-base material, predicted swell/consolidation values, and state if a vapor retarder will be required for moisture-sensitive floor coverings.

k. A spread footing foundation system is expected, but if a deep pier or pile foundation system is recommend, provide adequate information for design.

l. If a spread footing foundation system is recommended, describe any over-excavation amounts and procedures required, as well as the estimated total and differential footing settlement or heave associated with this type of foundation construction. Define the allowable soil pressure, the minimum dead load soil pressure to be maintained (if any), ultimate coefficient of friction for footing sliding resistance, and balanced dead load design criteria (if any). Indicate whether allowable soil bearing pressure must be reduced for weight of footing or over burden. State whether allowable soil bearing pressure may be increased for short term loads.

m. Provide recommendations for pavement thickness for parking, fire lanes, and other anticipated traffic. Address sub-base and base course, concrete reinforcement, joint spacing, and joint doweling.

n. Define any voiding requirements under foundation walls, grade beams, and structural floors-on-grade.

o. Indicate any special cement requirements for concrete elements in contact with soils. Requirements shall conform to ACI 318-08 Table 4.3.1.

p. Specify compaction requirements for fill and backfill areas throughout the building site and the associated settlements associated with these compaction requirements.

q. Provide the actual existing grade elevation at the top of each boring or pit and identify the benchmark used to set these elevations.

r. Provide recommendations regarding minimum earth cover to control frost heave consistent with local conditions and applicable building code regulations.

s. During the project design phase, review Earth Work specification sections for inclusion in the Project Manual and review foundation specification sections for soils-related considerations.

t. Provide unit rate fees for consultation with the design team to respond to questions and clarifications necessary during the design.

u. In addition to printed copies of the report, provide a copy of the report in PDF format.

12. Refer to Buckhorn Geotech Proposal on page 6, "Schedule".

BUCKGEO-01 JUNE

ACORD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 7/2/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
KHT Insurance
200 W. Magnolia, Suite 201
Ft. Worth, TX 76104

CONTACT NAME:
PHONE (A/C, No, Ext): (817) 336-2721 100 FAX (A/C, No): (817) 870-2520
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Lexington Insurance Company	
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Buckhorn Geotech, Inc.
Norm Aufderhelde
222 S. Park Avenue
Montrose, CO 81401-4236

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY COMMERCIAL GENERAL LIABILITY X CLAIMS-MADE OCCUR X Professional Liab GEN'L AGGREGATE LIMIT APPLIES PER: POLICY PRO-JECT LOC			026154144	7/22/2012	7/22/2013	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG Per Claim	$ $ $ $ $ 1,000,000 $ $ 1,000,000
	AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS HIRED AUTOS SCHEDULED AUTOS NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $ $
	UMBRELLA LIAB OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION $						EACH OCCURRENCE AGGREGATE	$ $ $
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A					WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ $ $

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
ACORD 25, Certificate of liability Insurance, is "Issued as a matter of information only, and confers no rights upon the certificate holder. This certificate does not amend, extend, or alter the coverage afforded by policies".

CERTIFICATE HOLDER

Gunnison County
Gunnison County Manager
200 E. Virginia
Gunnison, CO 81230

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
Scott R. Kelly

© 1988-2010 ACORD CORPORATION. All rights reserved.

The ACORD name and logo are registered marks of ACORD

BUCKHOGE01 ONITAD

ACORD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 7/1/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Mountain West In & Fin Serv LLC
100 E Victory Way
Craig, CO 81625

CONTACT NAME:
PHONE (A/C, No, Ext): (970) 824-8185 3704 FAX (A/C, No): (970) 824-8188
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : The Travelers Companies, Inc.	
INSURER B : Pinnacol Assurance	41190
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Buckhorn Geotech Inc
P S G Partnerships
222 South Park Ave
Montrose, CO 81401

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR POLICY PROJECT LOC			6801276N053	1/16/2013	1/16/2014	EACH OCCURRENCE	$	1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	$	1,000,000
							MED EXP (Any one person)	$	5,000
							PERSONAL & ADV INJURY	$	1,000,000
							GENERAL AGGREGATE	$	2,000,000
	AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident)	$	
							BODILY INJURY (Per person)	$	
							BODILY INJURY (Per accident)	$	
							PROPERTY DAMAGE (PER ACCIDENT)	$	
								$	
A	UMBRELLA LIAB X OCCUR X EXCESS LIAB CLAIMS-MADE DED X RETENTION $ 10,000			CUP3399T256	1/16/2013	1/16/2014	EACH OCCURRENCE	$	1,000,000
							AGGREGATE	$	
							agg	$	1,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		4091069	4/1/2013	4/1/2014	X WC STATUTORY LIMITS OTHER		
							E.L. EACH ACCIDENT	$	1,000,000
							E.L. DISEASE - EA EMPLOYEE	$	1,000,000
							E.L. DISEASE - POLICY LIMIT	$	1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
Engineers or Architects - Consulting

CERTIFICATE HOLDER

Gunnison County
Gunnsion County Manager
200 E Virginia
Gunnison, CO 81230

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
Onita F. DeJulio

© 1988-2010 ACORD CORPORATION. All rights reserved.

The ACORD name and logo are registered marks of ACORD