



COCHISE COUNTY PROCUREMENT DEPARTMENT

1415 Melody Lane, Building C, Bisbee, AZ 85603
Phone: (520) 432-8391 Fax: (520) 432-8397

Professional Services Agreement

Cochise County ALERT System Implementation Year 5

PSA 17-13-HFP-04

THIS AGREEMENT is made and entered into this _____ day of November, 2016 by and between COCHISE COUNTY, hereinafter referred to as the COUNTY, and JE FULLER/HYDROLOGY & GEOMORPHOLOGY, INC. hereinafter referred to as the CONSULTANT.

I. SCOPE OF SERVICES

Subject to the terms and conditions set forth in this agreement, Consultant shall provide all material, labor and transportation to perform the services as described in **Attachment "A" Scope of Work**.

II. COMPENSATION AND METHOD OF PAYMENT

In consideration for the performance of the services described in Attachment "A" the County shall pay the Consultant a not to exceed amount of seventy eight thousand nine hundred ninety one dollars, (\$78,991.00) as described in the attached herein as **Attachment "B" Fee Schedule**.

The County will pay the Consultant following the submission of itemized invoices(s) for the services and material rendered. No payment shall be issued prior to receipt of material or service and correct invoicing. Each invoice must bear written certification by an authorized County representative confirming the services and material for which payment is requested have been performed and received. The County agrees to pay all properly documented invoices, for accepted work and material within thirty (30) days of receipt.

All notices, invoices and payment shall be made in writing and may be given by personal delivery or by mail.

The designated recipients for such notices, invoices and payments are as follows:

Consultant: **JE Fuller/Hydrology & Geomorphology**
40 E. Helen Street
Tucson, AZ 85705
Cyrus D. Miller, P.E., CFM
Phone 520-623-3112
cyrus@jefuller.com

County: **County of Cochise**
Highway & Floodplain Division
1415 Melody Lane
Bisbee, AZ 85603
Joaquin Solis, P.E.
Phone: 520-432-9300
jsolis@cochise.az.gov

III. DURATION AND RENEWAL

The Consultant shall not commence any billable work or provide any material or services under this Agreement until Consultant receives an executed copy of the Professional Service Agreement and purchase order, or is otherwise directed to do so in writing by the County Procurement Director. The Consultant shall complete all work to the satisfaction of the County by June 30, 2017 in accordance with the Scope of Services.

IV. TERMINATION

A. The County may cancel this Agreement without penalty or further obligation pursuant to A.R.S. §38-511 if any person significantly involved in initiating, negotiating, securing, drafting or creating the Agreement on behalf of the County is or becomes, at any time while the Agreement or any extension of the Agreement is in effect any employee of, or Consultant to any other party to this Agreement with respect to the subject matter of the Agreement. Such cancellation shall be effective when written notice from the County is received by the parties to this Agreement, unless the notice specifies a later time.

B. This Agreement may also be terminated at any time by mutual written consent, or by the County, with or without cause, upon giving the thirty (30) days written notice to the Consultant. The County at its convenience, by written notice, may terminate this Agreement, in whole or in part. If this Agreement is terminated, the County shall be liable only for payment under the payment provisions of this Agreement for services rendered and accepted material received by the County before the effective date of termination.

C. The County reserves the right to cancel the whole or any part of this Agreement due to failure of the Consultant to carry out any term, promise or condition of the Agreement. The County will issue a written ten (10) day notice of default to the Consultant for acting or failing to act any of the following, in the opinion of the County:

1. Consultant provides personnel who do not meet the requirements of the Agreement;
2. Consultant fails to adequately perform the stipulations, conditions, or services/specifications required in the Agreement;
3. Consultant attempts to impose on the County personnel, materials, products, or workmanship that is not of an acceptable quality;
4. Consultant fails to furnish the required service and/or product within the time stipulated in the Agreement;
5. Consultant fails to make progress in the performance of the requirements of the Agreement and/or gives the County a positive indication that consultant will not or cannot perform to the requirements of the Agreement.

V. ENFORCEMENT, LAWS AND ORDINANCES

This agreement shall be enforced under the laws of the State of Arizona. Consultant must comply with all applicable federal, state, and local laws, ordinances, and regulations. Consultant shall ensure payment of all taxes, licenses, permits, and other expenses of any nature associated with the provision of services herein. Consultant shall maintain in current status all Federal, State and Local licenses and permits required for the operation of the business conducted by the Consultant.

VI. INDEPENDENT CONSULTANT

It is clearly understood that each party shall act in its individual capacity and not as an agent, employee, partner, joint ventures, or associate of the other. An employee or agent of one party shall not be deemed or construed to be the employee or agent of the other party for any purpose whatsoever.

The Consultant is advised that taxes or social security payments shall not be withheld from a County payment issued hereunder and that Consultant should make arrangements to directly pay such expenses, if any. The County will not provide any insurance coverage to the Consultant including Workmen's Compensation coverage.

VII. MODIFICATIONS

This Agreement may only be modified by a written amendment signed by the Procurement Director and an authorized representative for the Consultant.

VIII. WAIVER

The failure of either party of this Agreement to take affirmative action with respect to any conduct of the other which is in violation of the terms of this Agreement shall not be construed as a waiver thereof, or of any future breach or subsequent wrongful conduct.

IX. INDEMNIFICATION

To the fullest extent permitted by law, Consultant shall indemnify, and hold harmless the County of Cochise, and its departments, agencies, boards, commissions, officials, agents, and employees (hereinafter referred to as "Indemnatee") from and against any and all claims, actions, liabilities, damages, losses, or expenses (including reasonable court costs, attorneys' fees, and costs of claim processing, investigation and litigation) (hereinafter referred to as "Claims") for bodily injury or personal injury (including death), or loss or damage to tangible or intangible property caused, or alleged to be caused, in whole or in part, by the negligent or willful acts or omissions of Consultant or any of its owners, officers, directors, agents, employees or subcontractors. This indemnity includes any claim or amount arising out of, or recovered under, the Workers' Compensation Law or arising out of the failure of such Consultant to conform to any federal, state, or local law, statute, ordinance, rule, regulation, or court decree. It is the specific intention of the parties that the Indemnatee shall, in all instances, except for Claims arising solely from the negligent or willful acts or omissions of the Indemnatee, be indemnified by Consultant from and against any and all claims. It is agreed that Consultant will be responsible for primary loss investigation, defense, and judgment costs where this indemnification is applicable.

X. INSURANCE

- Consultant and sub-consultants shall procure and maintain until all of their obligations have been discharged, including any warranty periods under this Contract, insurance against claims for injury to persons or damage to property arising from, or in connection with, the performance of the work hereunder by the Consultant, its agents, representatives, employees or sub-consultants.

- The insurance requirements herein are minimum requirements for this Contract and in no way limit the indemnity covenants contained in this Contract. The County of Cochise in no way warrants that the minimum limits contained herein are sufficient to protect the Consultant from liabilities that might arise out of the performance of the work under this contract by the Consultant, his agents, representatives, employees or sub-consultants and Consultant is free to purchase additional insurance as may be determined necessary.

A. **MINIMUM SCOPE AND LIMITS OF INSURANCE:** Consultant shall provide coverage with limits of liability not less than those stated below.

1. **Commercial General Liability (CGL) – Occurrence Form**
Policy shall include bodily injury, property damage and broad form contractual liability coverage.

- General Aggregate \$2,000,000
- Products – Completed Operations Aggregate \$1,000,000

- Personal and Advertising Injury \$1,000,000
- Damage to Rented Premises \$ 50,000
- Each Occurrence \$1,000,000

a. The policy shall be endorsed to include the following additional insured language: "The County of Cochise, its departments, agencies, boards, officers, officials, agents and employees shall be named as an additional insured with respect to liability arising out of the activities performed by, or on behalf of the Consultant".

2. **Business Automobile Liability**

Bodily Injury and Property Damage for any owned, hired, and non-owned vehicles used in the performance of this Contract.

Combined Single Limit (CSL)	\$1,000,000
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a. The policy shall be endorsed, as required by this written agreement, to include the County of Cochise and its departments, agencies, boards, officers, officials, agents and employees as additional insured with respect to liability arising out of the activities performed by, or on behalf of the Consultant involving automobiles owned, hired and/or non-owned by the Consultant.

3. **Worker's Compensation and Employers' Liability**

Workers' Compensation	Statutory
Employers' Liability	
Each Accident	\$1,000,000
Disease – Each Employee	\$1,000,000
Disease – Policy Limit	\$1,000,000

a. This requirement shall not apply when a Consultant or subconsultant is exempt under A.R.S. 23-901, **AND** when such Consultant or subconsultant executes the appropriate sole proprietor waiver form.

4. **Professional Liability (Errors and Omissions Liability)**

The policy shall cover professional misconduct or lack of ordinary skill for those positions defined in the Scope of Services of this contract.

Each Claim	\$2,000,000
Annual Aggregate	\$2,000,000

a. In the event that the Professional Liability insurance required by this Contract is written on a claims-made basis, Consultant warrants that any retroactive date under the policy shall precede the effective date of this Contract and, either continuous coverage will be maintained, or an extended discovery period will be exercised, for a period of two (2) years beginning at the time work under this contract is completed.

b. The policy shall cover professional misconduct or negligent acts for those positions defined in the Scope of Work of this contract.

B. **ADDITIONAL INSURANCE REQUIREMENTS:** The policies shall include, or be endorsed to include, the following provisions:

1. The Consultant's policies, as applicable shall stipulate that the insurance afforded the Consultant shall be primary and that any insurance carried by the Department, its agents, officials, employees or the County of Cochise shall be excess and non-contributory insurance, as provided by A.R.S. § 41-621 (E).

2. Insurance provided by the Consultant shall not limit the Consultant's liability assumed under the indemnification provisions of this Contract.
- C. **NOTICE OF CANCELLATION:** Applicable to all insurance policies required within the Insurance Requirements of this Contract, Consultant's insurance shall not be permitted to expire, be suspended, be canceled, or be materially changed for any reason without thirty (30) days prior written notice to the County of Cochise. Within two (2) business days of receipt, Consultant must provide notice to the County of Cochise if they receive notice of a policy that has been or will be suspended, canceled, materially changed for any reason, has expired, or will be expiring. Such notice shall be sent directly to the Cochise County Procurement Department, attention Terry Hudson, 1415 Melody Lane, Bldg C, Bisbee, Arizona 85603.
- D. **ACCEPTABILITY OF INSURERS:** Consultant's insurance shall be placed with companies licensed in the State of Arizona or hold approved non-admitted status on the Arizona Department of Insurance List of Qualified Unauthorized Insurers. Insurers shall have an "A.M. Best" rating of not less than A- VII. The County of Cochise in no way warrants that the above-required minimum insurer rating is sufficient to protect the Consultant from potential insurer insolvency.
- E. **VERIFICATION OF COVERAGE:** Consultant shall furnish the County with certificates of insurance (valid ACORD form or equivalent approved by the County) evidencing that Consultant has the insurance as required by this Contract. An authorized representative of the insurer shall sign the certificates.

All such certificates of insurance and policy endorsements must be received by the County before work commences. The County's receipt of any certificates of insurance or policy endorsements that do not comply with this written agreement shall not waive or otherwise affect the requirements of this agreement.

Each insurance policy required by this Contract must be in effect at, or prior to, commencement of work under this Contract. Failure to maintain the insurance policies as required by this Contract, or to provide evidence of renewal, is a material breach of contract.

All certificates required by this Contract shall be sent directly to the Cochise County Procurement Department, attention Terry Hudson, 1415 Melody Lane Bldg C, Bisbee, Arizona 85603. The County project/contract number and project description shall be noted on the certificate of insurance. The County reserves the right to require complete, certified copies of all insurance policies required by this Contract at any time. **DO NOT SEND CERTIFICATES OF INSURANCE TO THE COUNTY'S RISK MANAGEMENT DIVISION.**

- F. **SUBCONTRACTORS:** Contractors' certificate(s) shall include all subcontractors as additional insured's under its policies **or** Contractor shall furnish to the County separate certificates and endorsements for each subcontractor. All coverage's for subcontractors shall be subject to the minimum requirements identified above.
- G. **APPROVAL and MODIFICATIONS:** Any modification or variation from the insurance requirements in this Agreement shall be made by the Contracting Agency in consultation with the Risk Management Department, whose decision shall be final. Such action will not require a formal Agreement amendment, but may be made by administrative action.

XI. MISCELLANEOUS PROVISIONS

- A. No assignment of this Agreement or sub-agreement shall be made by the Consultant with any other party for furnishing any of the services herein contracted for without the advance written approval of the Procurement Department. All sub-consultants shall comply with Federal and State laws and regulations which are applicable to the services covered by the

sub-agreement and shall include all the terms and conditions set forth herein which shall apply with equal force to the sub-agreement, as if the subconsultant were the Consultant referred to herein. The Consultant is responsible for Agreement performance whether or not sub-consultants are used.

- B. The Consultant shall establish and maintain procedures and controls that are acceptable to the County for the purpose of assuring that no information contained in its records or obtained from the County or from others in carrying out its functions under the Agreement shall be used by or disclosed by it, its agents, officers, or employees, except as required to efficiently perform duties under the Agreement. Persons requesting such information must be referred to the County.
- C. All services, information, computer program elements, reports, and other deliverables which may have a potential patent or copyright value and which are created under this Agreement shall be the property of the County and shall not be used by the Consultant or any other person except with the prior written permission of the County.
- D. This Agreement is subject to the provisions of A.R.S. Sec. 38-511.
- E. The Consultant shall comply with all applicable provisions of the Americans with Disabilities Act (Public Law 101-336, 42 U.S.C. 12101-12213) and applicable Federal regulations under the Act.

XII. LEGAL ARIZONA WORKERS ACT COMPLIANCE:

Consultant hereby warrants that it will at all times during the term of this Agreement comply with all federal immigration laws applicable to Consultant's employment of its employees, and with the requirements of A.R.S. § 23-214(A) (together the "State and Federal Immigration Laws"). The Consultant shall further ensure that each sub-consultant who performs any work for the Consultant under this Agreement likewise complies with the State and Federal Immigration Laws.

The County shall have the right at any time to inspect the books and records of the Consultant and any sub-consultant in order to verify such party's compliance with the State and Federal Immigration Laws.

Any breach of the Consultant's or any sub-consultant's warranty of compliance with the State and Federal Immigration Laws, or of any other provision of this section, shall be deemed to be a material breach of this Agreement subjecting the Consultant to penalties up to and including suspension or termination of this Agreement. If the breach is by a sub-consultant, and the sub-agreement is suspended or terminated as a result, the Consultant shall be required to take such steps as may be necessary to either self-perform the services that would have been provided under the sub-agreement or retain a replacement sub-consultant, (subject to County approval if MWBE preferences apply) as soon as possible so as not to delay project completion.

The Consultant shall advise each sub-consultant of the County's rights, and the sub-consultant's obligations, under this Section by including a provision in each sub-agreement substantially in the following form:

"The subconsultant hereby warrants that it will at all times during the term of this Agreement comply with all federal laws applicable to the sub-consultant's employees and with the requirements of A.R.S. §23-214(A). The sub-consultant further agrees that the County may inspect the sub-consultant's books and records to insure that the sub-consultant is in compliance with these requirements. Any breach of this paragraph by the sub-consultant will be deemed to be a material breach of this Agreement subjecting the sub-consultant to penalties up to and including suspension or termination of this Agreement."

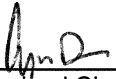
Any additional costs attributable directly or indirectly to remedial action under this Section shall be responsibility of the Consultant. In the event that remedial action under this Section results in delay to one or more tasks on the critical path of the Consultant's approved construction or critical milestones schedule, such period of delay shall be deemed excusable delay for which the Consultant shall be entitled to an extension of time, but not costs.

XIII. FOREIGN INVESTMENTS AND BUSINESS OPERATIONS:

In accordance with ARS §35-393.01, Consultant certifies that the Consultant is currently not engaged in, and for the duration of this agreement agrees not to engage in a boycott of Israel.

This Agreement represents the entire agreement between the COUNTY and the CONSULTANT relating to this requirement and shall prevail over any and all previous verbal and written agreements.

CONSULTANT:
JE Fuller Hydrology & Geomorphology, Inc.



Authorized Signature

CYRUS D. MILLER VICE PRESIDENT
Printed Title and Name

APPROVED BY:
Cochise County Board of Supervisors

Richard Searle, Chairman
Board of Supervisors

ATTEST:

Arlthe Rios
Clerk of the Board

APPROVED AS TO FORM:

Terry Hudson
Procurement Director

Attachment "A" Scope of Work

Professional Services Agreement Cochise County ALERT System Implementation Year 5 PSA 17-13-HFP-04

General Description:

The purpose of this Scope of Work (SOW) is to detail the tasks and fees associated with the sixth calendar year of the Cochise County 5-Year ALERT System Plan implementation expected to occur during Fiscal Year (FY) 2016/17. Although FY 2016/17 is the sixth calendar year following adoption of the Plan, this will represent the third year of Plan implementation.

Upon completion of this SOW, the County will have four (4) additional precipitation gages installed, and will have recommended routine maintenance performed for five (5) County-owned remote sensor/repeater stations and maintenance for eight (8) additional ALERT stations previously-installed by ADWR. The following paragraphs provide an outline of the expected efforts and fees associated with this phase of the project.

Task 1: Design and Installation of Four (4) Remote Sensor Stations

Consultant shall design, furnish, install, set up and calibrate four (4) remote ALERT precipitation sensor stations. This work also includes preliminary reconnaissance to the 4 new station locations, preparation of the FCC license applications, as well as coordination with other local, state and federal agencies and private land owners on the proposed location of the stations. Final locations of the proposed new gages will be decided upon following initiation of the contract; the following general locations will be considered for installation:

- | | |
|---|--|
| <input type="checkbox"/> Willow Lakes | <input type="checkbox"/> West of Fairbank |
| <input type="checkbox"/> South of Sierra Vista | <input type="checkbox"/> Saint David |
| <input type="checkbox"/> Fort Grant Road | <input type="checkbox"/> Kansas Settlement |
| <input type="checkbox"/> Leslie Creek | <input type="checkbox"/> Davis Road |
| <input type="checkbox"/> Cascabel | <input type="checkbox"/> Gleeson Road |
| <input type="checkbox"/> MS4 Area (Outskirts of Sierra Vista) | |

Unless otherwise noted, each remote ALERT sensor station will consist of a High Sierra Electronics (HSE) Model 3424-00 packaged rain gauge station that includes a standpipe assembly, 3306 ALERT data transmitter with 5-watt VHF data radio, 3 dB gain J-pole omni antenna, solar charging system, and lightning protection. Installation includes coaxial cable, connectors, grounding, and sealants. The station housings will be set in concrete approximately 2½ feet into the ground with grounding.

Since the locations for the proposed new stations have not been finalized, coordination and field reconnaissance will be performed to confirm precise placement. Consultant will work with County Staff to gain concurrence on and finalize the locations for the new sensor locations, considering the proposed list in the Plan, the existing gage network (County/ADWR), Supervisor District boundaries, proximity to population centers, and Staff input. Refer to the attached table for potential locations listed in the Plan, as well as locations currently under consideration that were not identified in the original Plan.

Consultant will purchase, install, test and calibrate the installed equipment, and incorporate the new stations into the County's network. Cochise County shall secure/provide permits, arrange for Blue Stake and provide traffic control during construction (as needed). Two of the proposed stations will be constructed during calendar year 2016, and the remaining two will be constructed during calendar year 2017.

Task 2: Scheduled Maintenance (County-Owned Stations)

Routine scheduled preventative maintenance shall be performed once per year for the duration of this project (twice overall) to each remote sensor station owned and operated by Cochise County, to ensure proper operation of the ALERT system. Scheduled maintenance at remote sensor stations shall take place during the early spring prior to the advent of the summer monsoon and shall include the following tasks:

- Remove battery and replace with freshly-conditioned battery,
- Calibrate and clean tipping bucket,
- Test/check solar panel charging system,
- Clean out funnel,
- Test radio/cable/antenna output/reflection,
- Test/calibrate stream stage sensor,
- Inspect all housing components for damage,
- Inspect grounding system,
- Paint touch up,
- Make minor repairs and/or adjustments such as re-sealing weather-tight connections, tightening loose fitting/fasteners, adjusting top section lock, etc. and
- Test overall data throughput and precision.

Cochise County currently owns and operates 5 ALERT remote stations (4 remote sensor station, 1 repeater station), as well as a base station computer. This scope of work includes maintenance to the 5 ALERT remote stations owned and operated by the County as well as continued operation and maintenance of the ALERT base station located at the offices of Consultant (see below).

ALERT FY16-17 MAINTENANCE (COUNTY-OWNED STATIONS)

ALERT Station	ID	Last Maintained
Juniper Flat Repeater	3042	6/25/2013
West Turkey Creek Precipitation	3040	6/24/2013
Bisbee Tunnel Precipitation	3043	5/7/2014 (Installed)
Douglas ADOT Weigh Station Precipitation	3044	5/7/2014 (Installed)
Hunter Canyon Precipitation	3053	10/15/2014 (Installed)

As two of the proposed Task 1 stations will be due for maintenance during the second year of Task 2 maintenance, a total of seven remote stations will be maintained during calendar year 2017.

This work does not include the cost to repair/replace major components but does include minor repairs. The deliverable for this task is a maintenance form for each site maintained and pertinent photo documentation.

Consultant recommends that the county purchase a modest amount of spare equipment for replacing damaged or faulty equipment. The recommended equipment includes:

- 1 3306 Transmitter, Tx = 170.250
- 1 J-pole antenna
- 1 Directional antenna
- 1 solar panel kit (including solar panel, regulator, cable, mount etc...)
- 1 power amp
- 1 tipping bucket top section with tipping bucket rain gauge.

The attached detailed fee estimate includes these items under direct costs.

Task 3: Scheduled Maintenance (ADWR Stations)

Consultant recommends that the county work with ADWR to formally adopt existing ALERT stations in Cochise County and to continue their required maintenance. It has been the practice by other counties in Arizona (Greenlee County, Pinal County) to perform maintenance on ADWR- owned stations prior to formal adoption in order to assure continuous, reliable operation during the adoption period and to verify that the stations are fully operational at the time the stations are taken over. The attached table shows ALERT stations owned by ADWR located in Cochise County. All ADWR stations are overdue for recommended routine annual maintenance.

**ALERT FY16-17 MAINTENANCE
(ADWR-OWNED STATIONS)**

ALERT Station	ID	Last Maintained
Rucker	3050	6/24/2013
Portal	620	6/25/2013
Dragoon	3060	6/26/2013
Willcox	3070	10/14/2014
Miller/Carr Canyon	3051	6/24/2013
Ash Canyon	3052	6/24/2013
King of Lead Mine	3080	10/14/2014
Long Park	3090	10/14/2014

The deliverable for this task is a maintenance form for each site maintained and pertinent photo documentation for once-per-year maintenance visits for the duration of this project (twice overall).

**Proposed Remote Sensor
Stations**

PLAN ID	INSTALLED? (Y/N)	APPROXIMATE LOCATION	SPECIFIC LOCATION			Supervisor District
			Latitude	Longitude	Description	
3	N	Willow Lakes	32.057899	-110.345001	West of the intersection of N. Ocotillo Rd. and N. Tres Alamos Rd., within ROW	3
4	N	West of Fairbank	31.692199	-110.251998	In front of PBW #1 Fire Station house, 2235 N. Sanders Rd.	3
6	N	South of Sierra Vista	31.4815	-110.264999	In front of Fry #2 Fire Station house, 4817 S. Apache Ave.	1
7	N	Saint David	31.904499	-110.212997	Within ADOT yard, east of S. Lee St.	3
9	N	Fort Grant Road	32.425399	-109.926002	East of Fort Grant Rd., approx. 210 feet south of County boundary, within ROW	3
14	N	Kansas Settlement	32.063201	-109.763	Within cotton gin complex	3
16	Y	Douglas	31.3838	-109.518	Within County Highway & Floodplain Dept. Operations Division yard, 3665 N. Leslie Canyon Rd. (Installed: Within ADOT Weigh Station Yard)	2
17	Y	Along Turkey Creek Road	31.8631	-109.356	South of E. Turkey Creek Rd. near West Turkey Creek Campground, within Coronado National Forest	3
18	Y	Bisbee	31.4586	-109.943	South of Bisbee #2 Fire Station house, 645 Tombstone Canyon, possibly within ROW (Installed: Above Mule Mountain Tunnel)	2
19	N	Leslie Creek	31.589	-109.508003	Southeast of N. Leslie Canyon Rd., south of ex. USGS gage (09537200), within San Bernardino/Leslie Canyon National Wildlife Refuge	2
N/A	Y	Mule Mountain Repeater	31.4804	-109.959	Juniper Flats Tower Facility	2

NOT IN PLAN	Y	Hunter Canyon Precipitation	31.4047	-110.257	North of Hunter Canyon Road, West of Highway 92	1
	N	Davis Road	TBD	TBD	TBD	2
	N	Gleeson Road	TBD	TBD	TBD	2
	N	MS4 Area (Outskirts of Sierra Vista)	TBD	TBD	TBD	1
	N	Cascabel	TBD	TBD	TBD	3

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Attachment "B" Fee Schedule

Cochise County ALERT System FY 2016/2017 System Design/Installation/Maintenance

Contract Task	BI (\$133.65/Hr)	CM (\$103.95/Hr)	NV (\$108.41/Hr)	PA (\$89.10/Hr)	JB (\$86.13)	TA (\$66.83/Hr)	Totals	
1	Design/Installation of Four (4) Remote Sensor Stations							
	30	95	0	0	0	110	\$21,236	
2	Scheduled Maintenance (5 existing remote locations and 1 existing base station, 2 visits each. 2 Task 1 stations: 1 visit during 2017)							
	4	44	0	0	0	64	\$9,386	
3	Scheduled Maintenance (8 ADWR Stations, 2 visits each)							
	6	70	0	0	0	90	\$14,093	
Subtotal Labor		40	209	0	0	0	264	\$44,715
Direct Costs								
Tasks 2 & 3 Supplies: 32 batteries x \$30/battery, sealant, tape, misc. cables/connectors, grounding, concrete							\$1,200	
ATV to access King of Lead and Long Park \$350/day							\$350	
Task 1 High Sierra Electronics equipment, including shipping and Arizona & local taxes							\$18,200	
Task 2 High Sierra Electronics spare equipment, including shipping and Arizona & local taxes							\$3,985	
2-year base station operation/web page hosting							\$3,000	
Mileage 3000 miles x \$0.70/mile							\$2,100	
Per Diem \$30 x 12 days x 2 people							\$720	
Hotel - 8 nights x \$120/night							\$960	
Subtotal Direct Costs							\$30,515	
Contingency (5% of labor and direct costs)							\$3,761	
Grand Total							\$78,991	