



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

INVITATION FOR QUOTES FOR
A SMALL PROCUREMENT
(CONSTRUCTION RELATED)

[per AS 36.30.320(a)]

Project Name & No.: <u>PSG: Mitkof Hwy. Road Weather</u>		Procurement Agency and Address:	
<u>Information System Relocation & Upgrade; 83934/0106(072)</u>		<u>State of Alaska, DOT&PF</u>	
Location: <u>Petersburg, AK</u>		<u>6860 Glacier Hwy., Juneau, AK 99801-7999</u>	
		<u>OR Box 112506, Juneau, AK 99811-2506</u>	
Procurement Officer: <u>Robert A. Campbell, P.E.</u>		Date of Issuance: <u>06/26/2015</u>	
DESCRIPTION OF WORK, REQUIRED COMPLETION DATE, LISTING OF ATTACHMENTS: <u>Funding Source: Federal</u>			
See attached scope of work			
Completion date for this work is <u>12/31/2015</u> .			
The Project cost estimate is: <input type="checkbox"/> under \$10,000 <input type="checkbox"/> \$10,000 - \$50,000 <input checked="" type="checkbox"/> \$50,000 - \$100,000 <input type="checkbox"/> \$100,000 - \$200,000 ^{1,2,3}			
1. Quotes in excess of \$150,000 will be deemed non-responsive. 2. Any project in excess of \$100,000 must be bonded. 3. Limit for FAA & FTA funded contracts is \$100,000. Limit for FHWA funded contract is \$150,000. State Funded contract limit is \$200,000.			
Davis-Bacon Wages (Title 36.05): are <input checked="" type="checkbox"/> are not <input type="checkbox"/> required on this project.			
The following insurance coverages are required: <input checked="" type="checkbox"/> Workers Comp <input checked="" type="checkbox"/> General Liability <input checked="" type="checkbox"/> Automobile			
Bonding Requirements: Any project in excess of \$100,000 must be bonded.			
The undersigned proposes to furnish Payment Bond in the amount of 50% and Performance Bond in the amount of 50% (of the contract), as surety conditioned for the full, complete and faithful performance of this contract. (See Payment Bond SPC-005 and Performance Bond SPC-006 forms.)			
Quotes for furnishing all labor, equipment and materials and performing all work for the above Project are invited. To be eligible for consideration, quotes must be received before <u>2:00 PM</u> local time on the <u>07</u> day of <u>July</u> , <u>2015</u> . Late quotes cannot be accepted. Disadvantaged Business Enterprises (DBE's) may submit quotes and will not be discriminated against on the grounds of race, color, national origin or sex in consideration for an Award which results from this invitation. Any errors, omissions, or questions pertaining to solicitation procedures or Project requirements, requests for additional documents, or inquiries pertaining to site conditions or scheduled visits must be made to: <u>Jack Stickel</u>			
Title: <u>Enterprise GIS Manager</u> , at: <u>3132 Channel Dr. Suite 200, Juneau, AK 99811</u>			
E-Mail: <u>jack.stickel@alaska.gov</u> , Telephone: (907) <u>465-6998</u> ; Fax: (907) <u>465-6984</u>			
Applicable provisions of AS 36.30 and 2 AAC 12 govern this solicitation.			
SUBMITTAL OF QUOTES: Quotes for this Project must be submitted in the manner noted below. All Offerors must familiarize themselves with the <i>Instructions to Offerors</i> , page 2 of this form, prior to submitting their quote.			
<input type="checkbox"/> - VERBAL QUOTES SHALL BE GIVEN TO _____ AT THE ABOVE NOTED TELEPHONE NUMBER, PRIOR TO THE STATED DEADLINE. (See above Bonding Requirements.)			
<input checked="" type="checkbox"/> - WRITTEN QUOTES, INCLUDING AMENDMENTS OR WITHDRAWALS, MUST BE RECEIVED PRIOR TO THE ABOVE NOTED DEADLINE. QUOTES MUST BE SUBMITTED ON FORM SPC-002, QUOTE SUBMITTAL, ATTACHED. (See above Bonding Requirements.)			
Written quotes may be submitted by Fax, e-mailed, hand delivered, or mailed in a sealed envelope. Confidentiality is only assured for sealed quotes. Mailed quotes must allow time for delivery and the envelope must be marked as follows:			
Quote for Project:		Procurement Agency Address:	
Name: <u>PSG: Mitkof Hwy. Road Weather Information System Relocation & Upgrade</u>			
Number: <u>83934/0106(072)</u>		<u>6860 Glacier Hwy.</u>	
Attn: <u>Jeff Jenkins, Contracts Officer</u>		<u>Juneau, AK 99801-7999</u>	
Fax: <u>(907) 465-4238</u> E-Mail: <u>jeff.jenkins@alaska.gov</u>			
Quote amendments or withdrawals must be made in writing to the individual of the Procurement Agency receiving the quotes, and must be received prior to the time for quote submittal.			



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

INVITATION FOR QUOTES FOR
A SMALL PROCUREMENT
(CONSTRUCTION RELATED)

INSTRUCTIONS TO OFFERORS

The State of Alaska desires that all Offerors submitting quotes on construction contracts are given a fair and equal opportunity to compete. Offerors are required to follow these instructions:

REVIEW THE PROJECT DOCUMENTS: Most construction Projects in excess of \$1,000 will have some type of written documentation prepared expressly for the Work. If you are asked to submit a quote and no written information has been provided, you should ask the procurement Agency for written documentation. If the scope of services have been described to you verbally, and you are selected for Contract Award, you must ensure that the information of the services to be performed (scope of work) is put in writing prior to accepting the Contract. When providing a Quote, carefully review and consider all materials related to the solicitation and work of the contract. **By submitting a quote the Offeror warrants that they are familiar with the Project requirements, have visited or otherwise examined the site, and are aware of the conditions to be encountered.** Offeror's can verify the contents and completeness of their quote documents by contacting the procurement Agency individual named on the front of this form.

SUBMITTING THE QUOTE: The Quote must be submitted in one of the following formats as called for in the Invitation:

1. **ORALLY** - if a verbal quote is solicited, the Offeror must provide, in addition to their quote amount and mailing address -- (1) their valid Alaska Business License number, (2) if applicable, a valid Contractor's Registration number, (3) their status as an Alaskan Bidder (Offeror), (4) their intended use of Alaskan products, (5) the carrier's name and policy number for their Workers' Comp Insurance (or a statement of sole proprietorship, if applicable), and (6) the Employer (Tax) Identification Number or Social Security Number. The Procurement Agency will enter this information on the quote schedule.

2. **WRITTEN** - if a written quote is solicited, the Offeror must complete, in ink or typewritten, the *Small Procurement Quote Submittal*, Form SPC-002. Failure to acknowledge receipt of addenda or to execute the form correctly and completely may disqualify the quote.

NOTE: The Department of Labor requires an Offeror to be licensed and registered for the required type of work prior to submitting a quote. If the procurement Agency determines the Offeror is improperly registered or licensed, their quote may be deemed nonresponsive.

SUBCONTRACTOR LISTING: Subcontractors intended to be utilized on this contract must be listed in the response to the solicitation. Work shall not be awarded to any subcontractor without prior approval from the procurement Agency. Subcontractors may be added or removed only as approved by the procurement Agency.

DETERMINATION OF THE LOWEST RESPONSIBLE QUOTE AND CONTRACT AWARD: Following receipt and determination of all **responsive** oral, written or sealed quotes, the procurement Agency will compare the quotes and determine the lowest Offeror. If the procurement Agency discovers a discrepancy between the unit price amount and the extended amount; the unit price amount will prevail. Conditioned quotes, unless expressly requested, will not be considered. When the quote schedule is composed of a basic amount with alternates, the procurement Agency will base its determination of the low quote and the amount of the Contract Award solely upon those quotes, basic and alternates, that are priced within the extent of available construction funds. Alternates will be considered for Award in the order listed, except that if the order of Offerors is not affected, the Award may include any combination of funded alternates, or none, as may be in the best interest of the procurement Agency.

When determining the lowest quote, the procurement Agency will also give a 5% Alaska Offeror's preference and an appropriate Alaska Products preference to quotes designating the applicability of a preference. To qualify for the Offeror's preference (per AS 36.30.170) the Offeror **must** (1) hold a current Alaska Business License, (2) submit the quote under the name appearing on the license, (3) have staffed and maintained a place of business within Alaska for the previous six months and (4) be incorporated or qualified to do business under the laws of the State. In addition, if the Offeror is a partnership or joint venture, all parties must meet the criteria to be eligible for the preference. A booklet fully describing the Alaska Preferences (Bidder, Offeror, Product, Disabilities, Veteran) program is available at <http://doa.alaska.gov/dgs/pdf/pref2.pdf>. A detailed description of the Alaska Products Preference Program is available at <http://www.commerce.state.ak.us/ded/dev/prodpref/prodpref.htm>.

The procurement Agency will make a determination of **responsibility** as required by 2 AAC 12.500. If the lowest Offeror is declared responsible, the procurement Agency will execute the *Notice of Award / Notice to Proceed*, Form SPC-003, and send it to the Offeror for acknowledgement. If the lowest Offeror is found to be nonresponsive, this process will be repeated with the second lowest Offeror -- and so on until the lowest responsive and responsible Offeror is determined.

NOTICE OF AWARD AND PROTEST: A written notice will be provided on all Awards exceeding \$ 25,000 (2 AAC 12.400(h)). All protests must be filed with the Commissioner of the procurement Agency (or designee) and copied to the Procurement Officer. Protest procedures are described in AS 36.30.560 and 2 AAC 12.695. The extent of the protest remedy is limited to quote preparation costs (AS 36.30.585).

3. INDEMNITY AND INSURANCE – The following insurance is required for all construction contracts:

Article 1. Indemnification

The Contractor shall indemnify, hold harmless, and defend the contracting agency from and against any claim of, or liability for error, omission or negligent act of the Contractor under this agreement. The Contractor shall not be required to indemnify the contracting agency for a claim of, or liability for, the independent negligence of the contracting agency. If there is a claim of, or liability for, the joint negligent error or omission of the Contractor and the independent negligence of the Contracting agency, the indemnification and hold harmless obligation shall be apportioned on a comparative fault basis. "Contractor" and "Contracting agency", as used within this and the following article, include the employees, agents and other contractors who are directly responsible, respectively, to each. The term "independent negligence" is negligence other than in the Contracting agency's selection, administration, monitoring, or controlling of the Contractor and in approving or accepting the Contractor's work.

Article 2. Insurance

Without limiting Contractor's indemnification, it is agreed that Contractor shall purchase at its own expense and maintain in force at all times during the performance of services under this agreement the following policies of insurance. Where specific limits are shown, it is understood that they shall be the minimum acceptable limits. If the Contractor's policy contains higher limits, the state shall be entitled to coverage to the extent of such higher limits. Certificates of Insurance must be furnished to the Contracting Officer prior to beginning work and must provide for a notice of cancellation, nonrenewal, or material change of conditions in accordance with policy provisions. Failure to furnish satisfactory evidence of insurance or lapse of the policy is a material breach of this contract and shall be grounds for termination of the Contractor's services. All insurance policies shall comply with, and be issued by insurers licensed to transact the business of insurance under AS 21.

2.1 Workers' Compensation Insurance: The Contractor shall provide and maintain, for all employees engaged in work under this contract, coverage as required by AS 23.30.045, and; where applicable, any other statutory obligations including but not limited to Federal U.S.L. & H. and Jones Act requirements. The policy must waive subrogation against the State.

2.2 Commercial General Liability Insurance: covering all business premises and operations used by the Contractor in the performance of services under this agreement with minimum coverage limits of \$300,000 combined single limit per occurrence.

2.3 Commercial Automobile Liability Insurance: covering all vehicles used by the Contractor in the performance of services under this agreement with minimum coverage limits of \$300,000 combined single limit per occurrence.



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SMALL PROCUREMENT QUOTE SUBMITTAL
(CONSTRUCTION RELATED)

[per AS 36.30.320(a)]

Project Name & No.:		PSG: Mitkof Hwy. Road Weather Information System Relocation & Upgrade; 83934/0106(072)	Procurement Agency and Address: State of Alaska, DOT&PF 6860 Glacier Hwy. Juneau, AK 99801-7999 OR Box 112506 Juneau, AK 99811-2506
Location:	Petersburg, AK		Date of Issuance: 06/26/2015 Bid is Due: 07/07/2015; 2:00 PM
Procurement Officer: Robert A. Campbell, PE			

QUOTE: Offerors must read all attachments to this schedule.

Fixed Price of: _____

Dollars (\$ _____).

State Wage Rates ("Little" Davis-Bacon Wages) can be downloaded from the following website:
<http://146.63.75.50/lss/pamp600.htm>.

Federal Wage Rates can be downloaded from the following website:
<http://www.wdol.gov/dba.aspx#0>. This project uses AK1 and AK7.

The DBE Goal for this work is 0%.

I have reviewed the bid documents, with addenda _____, and understand the scope of services and conditions required for Project number **83934/0106(072)**. I agree to furnish all necessary labor, materials, and equipment for the above amount(s). The Work shall be accomplished in a professional manner acceptable to the Procurement Officer.

Contractor _____ Contractor Reg. No. _____

Authorized Signature _____ Title _____

Address _____

E-Mail _____

Business License # _____ EIN or SSN _____ Phone # _____

Alaska Bidder and Product Preferences are not applicable to Federally funded projects.

.....

Procurement Officer: _____

Date of Receipt of Bid: _____

Offeror to Complete this Portion



**STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES**

**NOTICE OF AWARD (NOA)
SMALL PROCUREMENT CONTRACT
(CONSTRUCTION RELATED)**

[per AS 36.30.320]

Project Name & No.: PSG: Mitkof Hwy. Road Weather Information System Relocation & Upgrade; 83934/0106(072)	Procurement Agency and Address: State of Alaska, DOT&PF 6860 Glacier Hwy. Juneau, AK 99801-7999 OR Box 112506 Juneau, AK 99811-2506
Location: Petersburg, AK	
Procurement Officer's Signature:	Date of Issuance: 06/26/2015

TO: _____ _____ _____	FOR: Work related to Basic Bid of: <u>PSG: Mitkof Hwy. Road</u> <u>Weather Information System</u> <u>Relocation & Upgrade:</u> <u>83934/0106(072)</u> , including the basic quote and alternate quote item(s): _____ _____ _____	<table border="1"> <tr> <th align="left" colspan="2">The Contractor Must Submit:</th> </tr> <tr> <td>Insurance*</td> <td align="center"><input checked="" type="checkbox"/></td> </tr> <tr> <td>Bonding*</td> <td align="center"><input type="checkbox"/></td> </tr> <tr> <td>Certified Wages*</td> <td align="center"><input checked="" type="checkbox"/></td> </tr> <tr> <td>Department of Labor (Notice of Work)*</td> <td align="center"><input checked="" type="checkbox"/></td> </tr> <tr> <td>Subcontractor List*</td> <td align="center"><input checked="" type="checkbox"/></td> </tr> <tr> <td colspan="2">* Comments as applicable:</td> </tr> </table>	The Contractor Must Submit:		Insurance*	<input checked="" type="checkbox"/>	Bonding*	<input type="checkbox"/>	Certified Wages*	<input checked="" type="checkbox"/>	Department of Labor (Notice of Work)*	<input checked="" type="checkbox"/>	Subcontractor List*	<input checked="" type="checkbox"/>	* Comments as applicable:	
The Contractor Must Submit:																
Insurance*	<input checked="" type="checkbox"/>															
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Certified Wages*	<input checked="" type="checkbox"/>															
Department of Labor (Notice of Work)*	<input checked="" type="checkbox"/>															
Subcontractor List*	<input checked="" type="checkbox"/>															
* Comments as applicable:																

.....

Your quote in the amount of _____ submitted on _____, is accepted for performance of the Work described in the attached Invitation for Quotes (Form SPC-001), and the quote as submitted on the *Small Procurement Quote Submittal* (Form SPC-002), which are a part of this Contract.

The Contractor must sign, date, and return this document to the *procurement* address shown above. The Procurement Officer will then sign and return a copy to the Contractor, and the Award will be deemed made. The Work of this contract may not commence until the Notice to Proceed (NTP) is issued.

Contractor's Signature of Contract Award Acceptance: _____ Date : _____

NOTICE TO UNSELECTED OFFERORS ON PROJECTS OVER \$ 50,000

In accordance with the protest rights afforded under 2 AAC 12.400(d)(2)(B) & (3), a copy of this Notice of Award is hereby provided to those individuals and businesses who submitted a response to the initial solicitation on which this award is made.



**STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES**

**NOTICE OF AWARD (NOA)
SMALL PROCUREMENT CONTRACT
(CONSTRUCTION RELATED)**

GENERAL CONDITIONS
[Construction Procurement under AS 36.30.320]

These terms, conditions and requirements apply to the Contract Documents describing the Work for the Project. If any provision of these Contract Documents is declared by a court to be illegal or in conflict with any law, the validity of the remaining provisions and the ensuing rights and obligations of the Parties to the contract shall not be affected.

Whenever used in these Contract Documents, the following terms shall have the indicated meaning. Any term not so defined shall have its ordinary meaning.

- **Approved or Approval** - means written approval by the Procurement Officer or authorized representative.
- **Award** - means the written acceptance of the lowest responsive and responsible quote by the Procurement Agency.
- **Contract Documents** - includes the *Invitation for Quotes for a Small Procurement*, Form SPC-001 (with Instructions - if issued), the *Notice of Award / Notice to Proceed*, Form SPC-003, any addenda, written changes, or attachments as noted in the description of the Work.
- **Procurement Officer** - the person authorized to enter into and administer the contract on behalf of the Procurement Agency.
- **Parties to the Contract** - includes the Procurement Agency, the owner Agency representing the State of Alaska, and the Contractor, being the entity contracting with the owner Agency for performance of the Work.
- **Project** - the total construction, of which the Work performed under the Contract is the whole or part.
- **Project Manager** - the Procurement Officer's authorized representative, responsible for Contract administration.
- **Work** - is the act of, and the result from, performing services, furnishing labor, furnishing and incorporating materials and equipment into the Project and performing other duties and obligations, all as required by the Contract Documents.

1. The Procurement Officer (or authorized representative) has the authority to make findings, determinations and decisions with respect to the contract; to Approve materials, Work and payment therefore; and to modify or terminate the contract on behalf of the Procurement Agency.
2. The Contractor shall have sole responsibility for the means, methods, sequences, or procedures of construction and safety precautions related to the Project. The Contractor shall conduct all Work in such a manner that protects the public and State resources.
3. The Contractor must comply with all applicable laws, regulations, codes, ordinances and written directives issued by the Procurement Officer. In addition, the Contractor must obtain applicable licenses and permits; provide supervision, labor, tools, and new materials (except as may otherwise be provided by the Procurement Agency); and utilize Alaska Products and Wood Products when applicable (see AS 36.05.010 & AS 36.30.322).
4. The Contractor shall not award Work to any subcontractor without prior Approval from the Procurement Officer.
5. The Procurement Agency reserves the right to make written changes to the Contract Documents for modifications within the general scope of the Work.
6. Any act or occurrence, be it a result of an emergency, differing site condition or change order, which may form the basis of a claim for a price or time adjustment must be reported immediately to the Procurement Officer.
7. The Department of Labor and Workforce Development, Wage and Hour Administration, must be notified in accordance with AS 36.05.010 and AS 36.05.030 if the resulting contract for repairs or construction exceeds \$25,000. The Contractor must comply with the requirements noted within the Department of Labor packet entitled, "Laborers' & Mechanics' Minimum Rates of Pay." To obtain a copy of the referenced packet, contact the Procurement Agency or the Department of Labor.
8. The primary contractor working on public construction projects with an amount of \$25,000 or more must file a Notice of Work and pay a one percent fee based on the estimated value of work performed by the prime contractor and one percent of the value of each subcontractor's price, to the Department of Labor and Workforce Development, Wage and Hour Administration (DOLWD). The maximum fee is \$5,000.00. The notice and fees must be filed with the DOLWD before work commences on the project.

Upon completing the construction project, the primary contractor must file a Notice of Completion (NOC) and make payment of any additional fees due to increases in the contract amounts due the primary contractor. The Notice of Work and Notice of Completion forms are available at:

<http://www.labor.state.ak.us/lss/lssforms.htm>

9. The Contractor shall indemnify, save harmless, and defend the Procurement Agency, its agents and its employees in accordance with Appendix B1 below. Furthermore, the Contractor shall, prior to the Award of the contract, provide proof of Workmen's Compensation, General Liability, and Automobile Insurance in amounts as applicable under Appendix B1. These coverages shall remain in force for the duration of the Contract.
10. The Contractor shall remedy all defects in materials or workmanship that develop within a period of one year from the date of final payment.
11. The Procurement Agency will make final payment to the Contractor following approval of completion of all Work and the Contractor's submittal of all releases, warranties, record documents, permits and invoices. Liens or other claims relating to the Project may be withheld from final payment if written notice is first given to the Contractor. Acceptance of the final payment will constitute the Contractor's waiver to future claims.
12. Any dispute arising out of this Contract, which cannot be satisfactorily remedied by the Parties to the Contract, shall be resolved under AS 36.30.620 - 699.

APPENDIX B¹

INDEMNITY AND INSURANCE

Article 1. Indemnification

The Contractor shall indemnify, hold harmless, and defend the contracting agency from and against any claim of, or liability for error, omission or negligent act of the Contractor under this agreement. The Contractor shall not be required to indemnify the contracting agency for a claim of, or liability for, the independent negligence of the contracting agency. If there is a claim of, or liability for, the joint negligent error or omission of the Contractor and the independent negligence of the Contracting agency, the indemnification and hold harmless obligation shall be apportioned on a comparative fault basis. "Contractor" and "Contracting agency", as used within this and the following article, include the employees, agents and other contractors who are directly responsible, respectively, to each. The term "independent negligence" is negligence other than in the Contracting agency's selection, administration, monitoring, or controlling of the Contractor and in approving or accepting the Contractor's work.

Article 2. Insurance

Without limiting Contractor's indemnification, it is agreed that Contractor shall purchase at its own expense and maintain in force at all times during the performance of services under this agreement the following policies of insurance. Where specific limits are shown, it is understood that they shall be the minimum acceptable limits. If the Contractor's policy contains higher limits, the state shall be entitled to coverage to the extent of such higher limits. Certificates of Insurance must be furnished to the Contracting Officer prior to beginning work and must provide for a notice of cancellation, nonrenewal or material change of conditions in accordance with policy provisions. Failure to furnish satisfactory evidence of insurance or lapse of the policy is a material breach of this contract and shall be grounds for termination of the Contractor's services. All insurance policies shall comply with, and be issued by insurers licensed to transact the business of insurance under AS 21.

2.1 Workers' Compensation Insurance: The Contractor shall provide and maintain, for all employees engaged in work under this contract, coverage as required by AS 23.30.045, and; where applicable, any other statutory obligations including but not limited to Federal U.S.L. & H. and Jones Act requirements. The policy must waive subrogation against the State.

2.2 Commercial General Liability Insurance: covering all business premises and operations used by the Contractor in the performance of services under this agreement with minimum coverage limits of \$300,000, combined single limit per occurrence.

2.3 Commercial Automobile Liability Insurance: covering all vehicles used by the Contractor in the performance of services under this agreement with minimum coverage limits of \$300,000, combined single limit per occurrence.



**STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES**

**NOTICE TO PROCEED (NTP)
SMALL PROCUREMENT CONTRACT
(CONSTRUCTION RELATED)**

[per AS 36.30.320]

<div>Project Name & No.: <u>PSG: Mitkof Hwy. Road Weather</u> <u>Information System Relocation &</u> <u>Upgrade; 83934/0106(072)</u></div> <div>Location: <u>Petersburg, AK</u> _____ _____</div>	<div>Procurement Agency and Address: <u>State of Alaska, DOT&PF</u> <u>6860 Glacier Hwy.</u> <u>Juneau, AK 99801-7999</u> _____ _____</div> <div>Procurement Officer's Signature: _____</div>
<div>Date of Issuance: 06/26/2015</div>	

<div>TO: _____ _____ _____</div> <div>.....</div> <div><p>You have successfully met the requirements for submittal of all contract documents to the Procurement Agency and Dept. of Labor and Workforce Development related to the subject Project.</p><p>Upon receipt of this document, the Contractor may begin work on the subject project, in accordance with the terms of the contract. The Work of this contract must commence within <u>10</u> calendar days following the date of signature by the Procurement Officer, shown above (i.e., the effective date of the Contract) and all Work of the</p><p>Contract must be complete on or before <u>December, 31, 2015</u></p><p>Contractor's Signature of Acknowledgment: _____ Date : _____</p></div>	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

PAYMENT BOND
SMALL PROCUREMENT CONTRACT
(CONSTRUCTION RELATED)

KNOW ALL MEN BY THESE PRESENTS:

That _____ of _____, as Principal,
and _____ of _____, as Surety,
firmly bound and held unto the State of Alaska in the penal sum of _____
Dollars (\$ _____), good and lawful money of the United States of America
for the payment whereof, well and truly to be paid to the State of Alaska, we bind ourselves, our heirs,
successors, executors, administrators, and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said Principal has entered into a written contract with said State of Alaska, on the
_____ of _____ A.D., 2015, for the construction of PSG: Mitkof Hwy. Road Weather
Information System Relocation & Upgrade; 83934/0106(072) said work to be done according to the terms of
said contract.

Now, THEREFORE, the conditions of the foregoing obligation is such that if the said Principal shall comply
with all requirements of law and pay, as they become due, all just claims for labor performed and materials
and supplies furnished upon or for the work under said contract, whether said labor be performed and said
materials and supplies be furnished under the original contract, any subcontract, or any and all duly authorized
modifications thereto, then these presents shall become null and void; otherwise they shall remain in full force
and effect.

IN WITNESS WHEREOF, We have hereunto set our hands and seals at _____,
_____ this _____ day of _____ A.D., 2015.

Principal: _____

Address: _____

Phone: _____

Contact Name: _____

By: _____

By: _____

Surety: _____

Address: _____

Phone: _____

Contact Name: _____

By: _____

By: _____

The offered bond has been checked for adequacy under the applicable statutes and regulations:

Procurement Agency Authorized Representative

Date

INSTRUCTIONS

1. This form, for the protection of persons supplying labor and material, shall be used whenever a payment bond is required. There shall be no deviation from this form without approval from the Department of Transportation & Public Facilities (DOT&PF) Chief Contracts Officer.
2. The full legal name, business address, phone number, and point of contact of the Principal and Surety shall be inserted on the face of the form. Where more than a single surety is involved, a separate form shall be executed for each surety.
3. The penal amount of the bond, or in the case of more than one surety, the amount of the obligation shall be entered in words and in figures.
4. Where individual sureties are involved, a completed Affidavit of Individual Surety shall accompany the bond. Such forms are available upon request from the procurement Agency Representative.
5. The bond shall be signed by authorized persons. Where such person is signing in a representative capacity (e.g., an attorney-in-fact), but is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved, evidence of authority must be furnished.



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

PERFORMANCE BOND
SMALL PROCUREMENT CONTRACT
(CONSTRUCTION RELATED)

KNOW ALL MEN BY THESE PRESENTS:

That _____ of _____, as Principal,
and _____ of _____, as Surety,
firmly bound and held unto the State of Alaska in the penal sum of _____
_____ Dollars (\$_____), good and lawful money of the United States of America
for the payment whereof, well and truly to be paid to the State of Alaska, we bind ourselves, our heirs,
successors, executors, administrators, and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said Principal has entered into a written contract with said State of Alaska, on the
_____ of _____ A.D., 2015, for the construction of PSG: Mitkof Hwy. Road Weather
Information System Relocation & Upgrade; 83934/0106(072). said work to be done according to the terms
of said contract.

Now, THEREFORE, the conditions of the foregoing obligation is such that if the said Principal shall well
and truly perform and complete all obligations and work under said contract and if the Principal shall
reimburse upon demand of the Department of Transportation and Public Facilities any sums paid him which
exceed the final payment determined to be due upon completion of the project, then these presents shall
become null and void; otherwise they shall remain in full force and effect.

IN WITNESS WHEREOF, we have hereunto set our hands and seals at _____,
_____ this _____ day of _____ A.D., 2015.

Principal: _____

Address: _____

Phone: _____

Contact Name: _____

By: _____

By: _____

Surety: _____

Address: _____

Phone: _____

Contact Name: _____

By: _____

By: _____

The offered bond has been checked for adequacy under the applicable statutes and regulations:

Procurement Agency Authorized Representative

Date

INSTRUCTIONS

1. This form shall be used whenever a performance bond is required. There shall be no deviation from this form without approval from the Department of Transportation & Public Facilities (DOT&PF) Chief Contracts Officer.
2. The full legal name, business address, phone number, and point of contact of the Principal and Surety shall be inserted on the face of the form. Where more than a single surety is involved, a separate form shall be executed for each surety.
3. The penal amount of the bond, or in the case of more than one surety the amount of obligation, shall be entered in words and in figures.
4. Where individual sureties are involved, a completed Affidavit of Individual Surety shall accompany the bond. Such forms are available upon request from the procurement Agency Representative.
5. The bond shall be signed by authorized persons. Where such person is signing in a representative capacity (e.g., an attorney-in-fact), but is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved, evidence of authority must be furnished.

SCOPE OF WORK

**Petersburg Mitkof Highway
Mitkof Highway Road Weather Information System (RWIS)
Environmental Sensor Station (ESS) Construction
For Blaquiére Point (MP 33) and Banana Point (MP 27.3)**

Scope of Work

1) Mitkof Highway MP 33, Blaquiére Point Road Weather Information System

- a. Decommission old Blaquiére Point RWIS and salvage existing equipment from new location where appropriate
- b. Install new solar panel & control panel stand
- c. Install wind turbine from old Blaquiére Point RWIS site
- d. Procure (*see design drawing Equipment Schedule for make/model/specifications of equipment*) and install the following equipment:
 - i. Photovoltaic Panel, 4 ea.
 - ii. PV Charge Controller
 - iii. Wind Charge Controller
 - iv. Inverter
 - v. Batteries, 2 ea.
 - vi. Battery enclosure
 - vii. Ethernet Switch
 - viii. Data Logger Cabinet Enclosure
 - ix. Data Logger Cabinet Sectional Terminal Blocks, 21 ea.
 - x. Data Logger Cabinet Sectional Terminal Blocks (Grounding), 3 ea.
 - xi. Charger Panel Sectional Terminal Blocks, 3 ea.
 - xii. Charger Panel Sectional Terminal Blocks (grounding), 3 ea.
 - xiii. Charger Panel Enclosure, 1 ea.
 - xiv. Fuse Holder Block
 - xv. Hardware & miscellaneous materials as required
- e. Install the DOT provided equipment
 - i. Millerbernd 30' Surveillance Camera Pole (concrete pad already in place)
 - ii. CR1000 Campbell Scientific data logger (pre-programmed). Polled by Campbell Scientific (CS) Logger Net server software in Juneau
 - iii. RM Young Anemometer
 - iv. Temperature/Humidity Sensor
 - v. Network Cameras, 2 ea, (mounting brackets and POE Injector provided)
 - vi. Cellular Modem Equipment (connects to Wrangell tower)
 - vii. ClearRF M2M Cellular Signal Amplifier (WRE2710-S)
- f. Commission the site so that DOT can successfully poll the site from Logger Net server software

2) Mitkof Highway MP 27.5, Banana Point Road Weather Information System

- a. Replace the existing solar panels with 2 new solar panels
- b. Install DOT provided ClearRF M2M Cellular Signal Amplifier
- c. Commission the site so that DOT can successfully receive the camera images every ten minutes via ftp

Contractor Requirements

- 1) Contractor must have electrical certification
- 2) Contractor must have experience installing data loggers
- 3) Contractor must have experience installing cell modems, antennas, and signal amplifiers, including maximizing signal strength
- 4) Contractor must have knowledge of commissioning remote sensing sites

STATE PROVIDED MATERIALS

*Petersburg Mitkof Highway
Mitkof Highway Road Weather Information System (RWIS)
Environmental Sensor Station (ESS) Construction
For Blaquiere Point (MP 33) and Banana Point (MP 27.3)*

State Supplied Equipment List

MANUFACTURE / ITEM NAME/DESCRIPTION	QTY	MODEL NUMBER
Millerbernd 30' Surveillance Camera Pole 80C502 3/16x30'H-BS Hinged Camera Pole Includes: Anchor bolts, Integral tapered H base, Reinforced access door with cover, Winch assembly, tenon top, lightning rod, attachment mounting kit, Hot Dip Galvanized finish throughout.	1	7HH8655-300-1S112-001- GVH
CR6 Campbell Scientific Measurement & Control Data Logger (pre-programmed). -ST -40 to +70C -SW Standard 3yr Warranty	1	CR6-NA-ST-SW
RM Young Wind Anemometer Marine Version 30ft Cable per sensor -PT w/Tinned Wires	1	05106-L30-PT
RM Young 6-Plate Solar Radiation Shield	1	41303-5A
Vaisala Temperature/RH Probe 15 ft cable per probe -PT w/Tinned Wires	1	HMP60-L15-PT
Mobotix Network Camera 6MP, D22 N22	2	M15

POE (power over Ethernet) Injector	2	Mobotix-NPA-POE
Sierra Wireless Airlink 3G GSM Cellular Gateway	1	LS300G
LS300 Mounting Kit	1	30988
Null Modem Cable 9-Pin Male to Male, 1ft	1	18663
ClearRF M2M Cellular Signal Amplifier	2	WRE2710-S

PHOTOS



Blaquiere Point- New Site

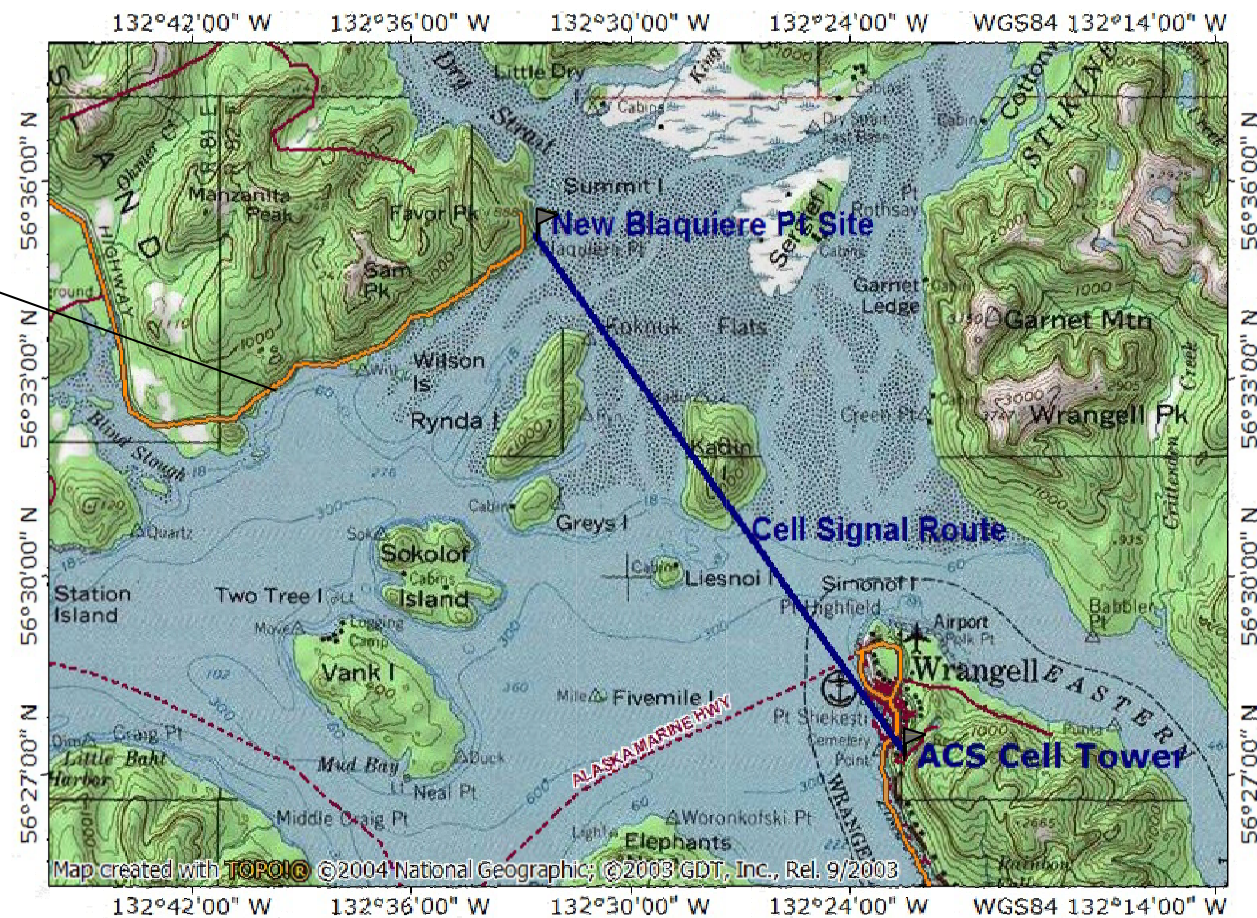
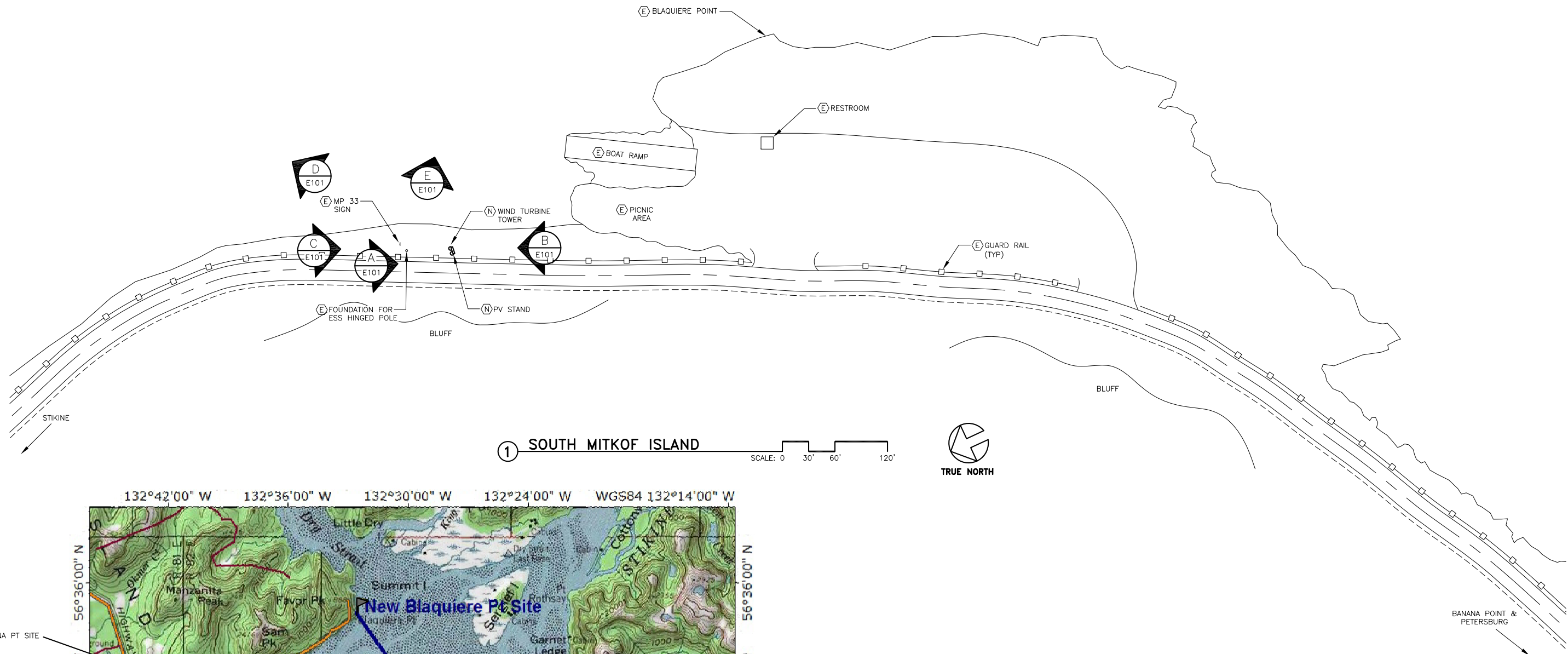


Banana Point



PLANS

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TN MN
20 1/2°
10/28/14

LEGEND

ABBREVIATIONS:

GFI GROUND FAULT INTERRUPTED
UON UNLESS OTHERWISE NOTED

SHEET NOTE SYMBOLS:

(E) EXISTING TO REMAIN
(N) NEW

POWER:

⊕ DUPLEX RECEPTACLE

DIAGRAM SYMBOLS:

—○— FUSIBLE DISCONNECT
▽ GROUND BUS
⊕ GROUND ROD

SECURITY DEVICES:

📷 SECURITY CAMERA

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ROADWAY WEATHER INFORMATION SYSTEM (RWIS)

SOUTH MITKOF ISLAND
BLAQUIERE POINT

SITE PLAN/LEGEND

CHECKED BY: BCH

DRAWN BY: REJ

DRAWN BY: KHD

PROJECT DESIGNATION

ITS-0106-0002 / 75189

STATE	YEAR	SHEET NO.
ALASKA	2015	E1 Of 6





PHOTO A – EXISTING FOUNDATION



PHOTO B – VIEW TO WNE



PHOTO C – VIEW TO SSW



PHOTO E – VIEW TO NNE



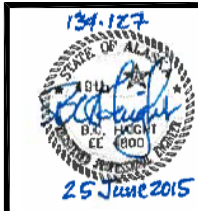
PHOTO E – VIEW TO SE

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**ROADWAY
WEATHER
INFORMATION
SYSTEM (RWIS)**
SOUTH MITKOF ISLAND
BLAQUIERE POINT

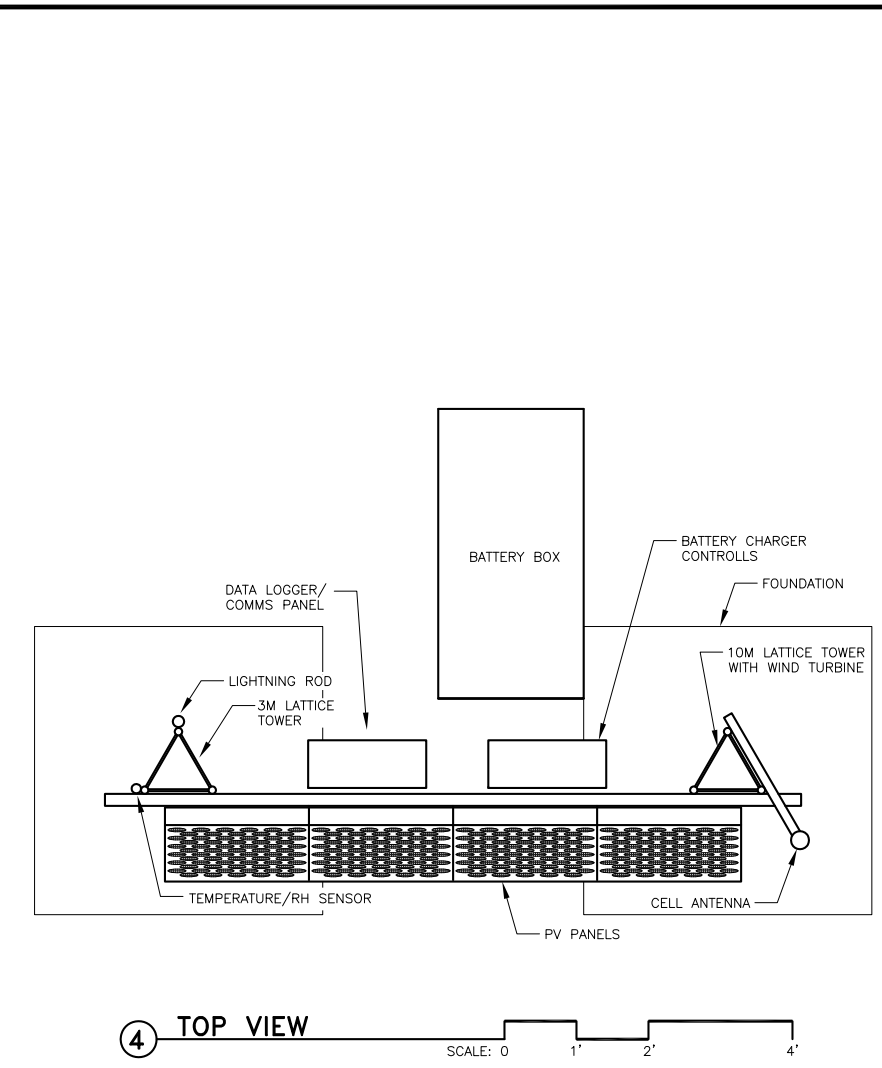
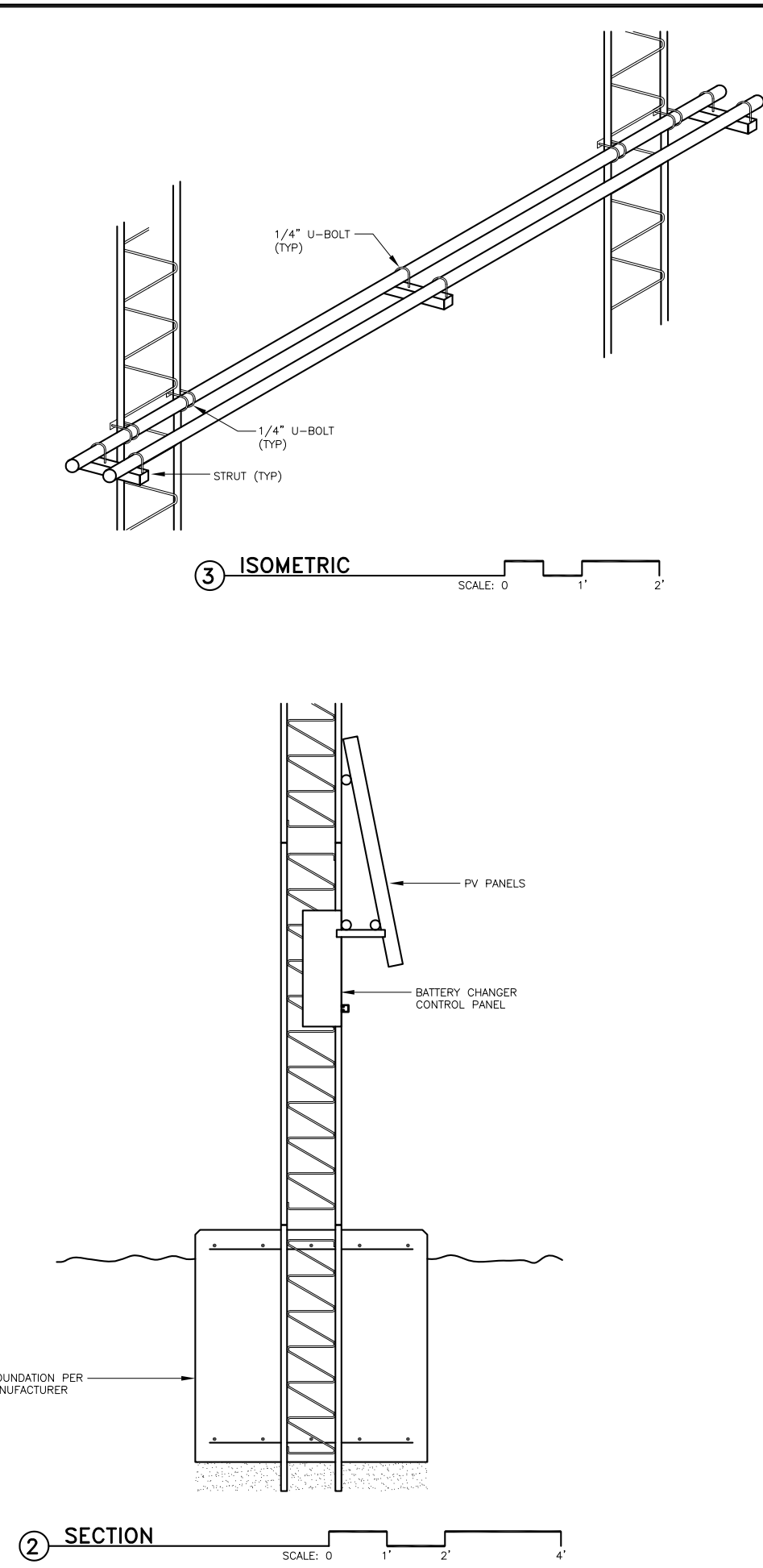
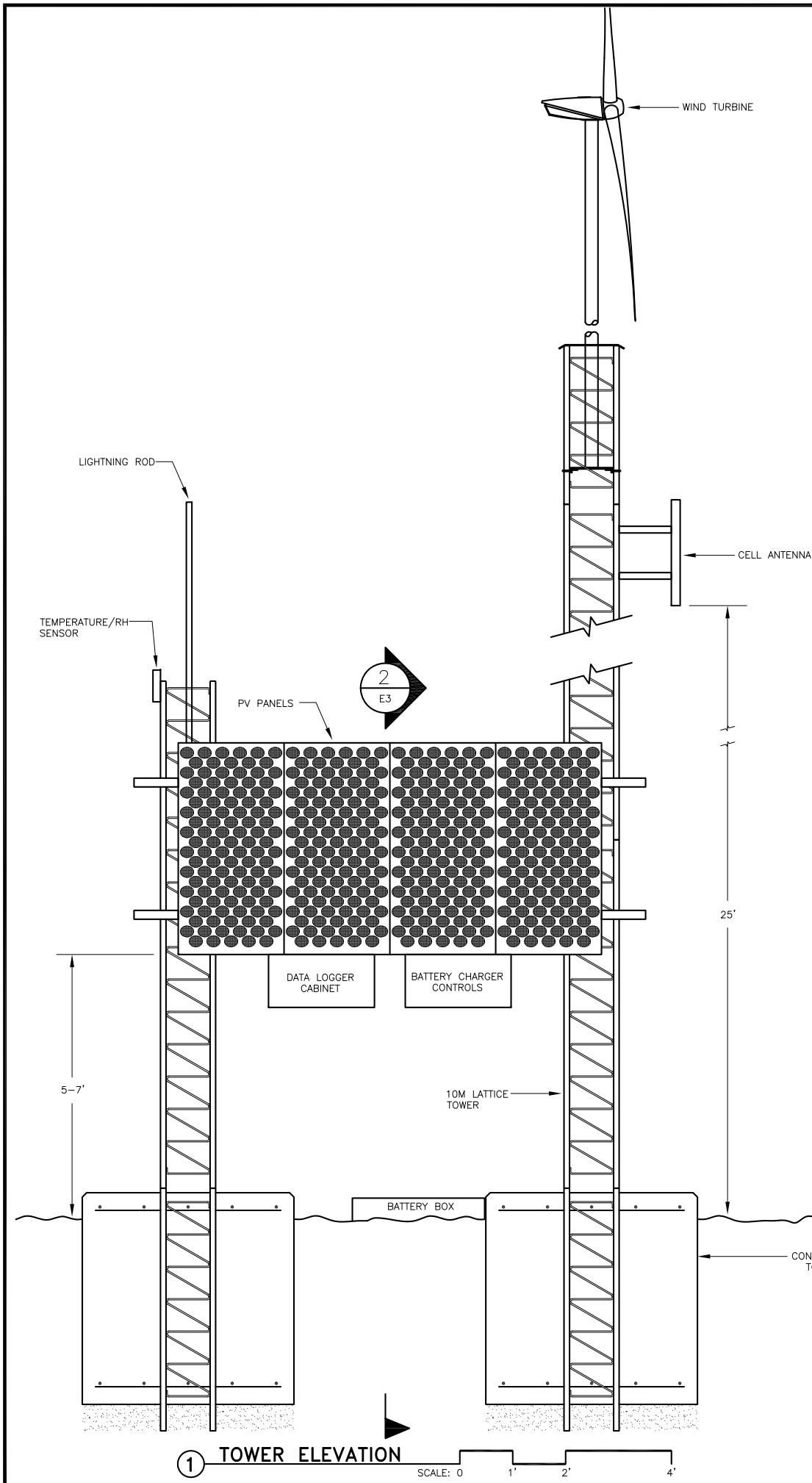
PHOTOS

CHECKED BY: BCH
DRAWN BY: REJ
DRAWN BY: KHD

PROJECT DESIGNATION
ITS-0106-0002 / 75189
STATE YEAR SHEET
ALASKA 2015 NO. 6



Jun 25, 2015 - 2:46pm
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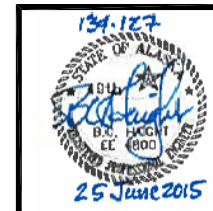
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**ROADWAY
WEATHER
INFORMATION
SYSTEM (RWIS)**

**SOUTH MITKOF ISLAND
BLAQUIERE POINT**

TOWER DETAILS

CHECKED BY: BCH		
DRAWN BY: REJ		
DRAWN BY: KHD		
PROJECT DESIGNATION		
ITS-0106-0002 / 75189		
STATE	YEAR	SHEET NO.
ALASKA	2015	E3 Of 6



Jun 25, 2015 -- 2:49pm
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PHOTOVOLTAIC (PV)
PANELS
(140W EA)

2C, NO. 8 TYPE MC CABLE
(TYP - PV PANELS)

WIND
TURBINE
(SEE NOTE)

3/4"C, 2 NO. 8

CHARGER PANEL

NO. 8 (TYP)

3/4"C, 2 NO. 8, 1 NO. 10 GND

JUNCTION/TERMINAL BOX
(NEMA 3R)

NEMA 4X BATTERY ENCLOSURE

1C, NO. 2/0 TYPE W CABLE
(TYP - INSIDE BATTERY ENCLOSURE)

TERMINAL BOX
TERMINAL BLOCK

1"C, 2 NO. 6, 1 NO. 6 GND

GROUND
ROD

FOUNDATIONS

NOTE: EXISTING WIND TURBINE TO BE RELOCATED TO NEW TOWER.

① SINGLE LINE DIAGRAM - POWER DISTRIBUTION

NO SCALE

EQUIPMENT SCHEDULE
(BASIS OF DESIGN)

ITEM	MANUFACTURER/MODEL	QUANTITY
PHOTOVOLTAIC PANEL	KYOCERA KD 140F, SX SERIES	4
PV CHARGE CONTROLLER	MORNINGSTAR TRISTAR-45 (WITH METER)	1
WIND CHARGE CONTROLLER	MORNINGSTAR TRISTAR-45 (WITH METER)	1
INVERTER	MORNINGSTAR SURESINE	1
BATTERIES	OUTBACK ENERGYCELL 200RE	2
BATTERY ENCLOSURE	OEM BBA-10 NEMA 4X	1
CHARGER PANEL SECTIONAL TERMINAL BLOCKS	COOPER DP100 SERIES	3
CHARGER PANEL SECTIONAL TERMINAL BLOCKS (GROUNDING)	COOPER DG100 SERIES	3
CHARGER PANEL ENCLOSURE	HOFFMAN A30R308HCR	1
FUSE HOLDER BLOCK	SCHNEIDER TESYS DF IEC-TYPE	6

NO. 12

DATA LOGGER CABINET

+

-

GND

NO. 12

H

N

INVERTER

3 NO. 12

15/1

GFI

NO. 8

TOWERS

NO. 6

TERMINAL BLOCK
(TYP)

NO. 6

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

ROADWAY
WEATHER
INFORMATION
SYSTEM (RWIS)

SOUTH MITKOF ISLAND
BLAQUIERE POINT

SINGLE LINE
DIAGRAM

CHECKED BY: BCH

DRAWN BY: REJ

DRAWN BY: KHD

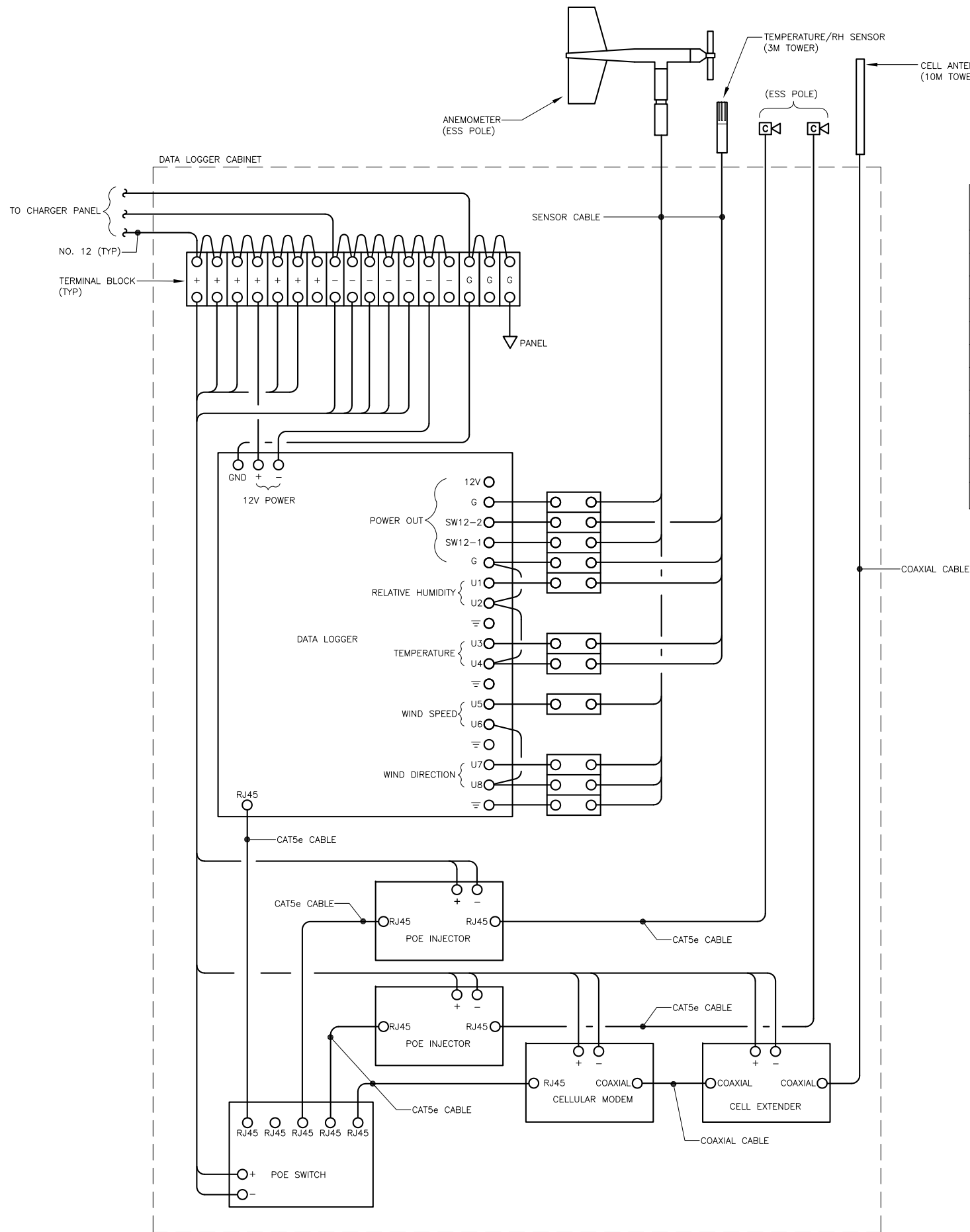
PROJECT DESIGNATION

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ALASKA	2015	E4 Of 6



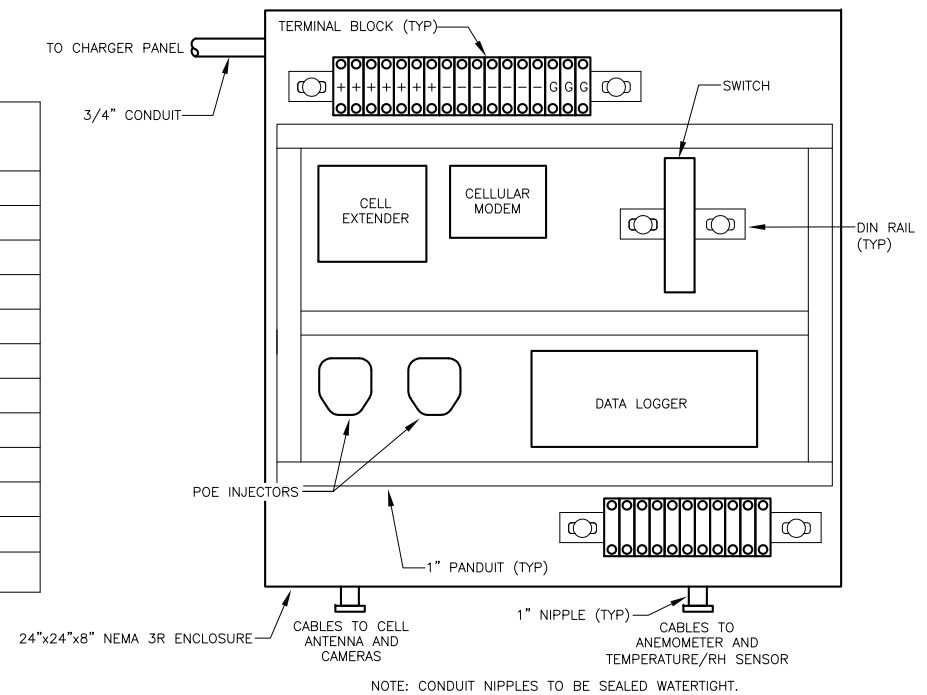
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1 WIRING DIAGRAM - DATA LOGGER

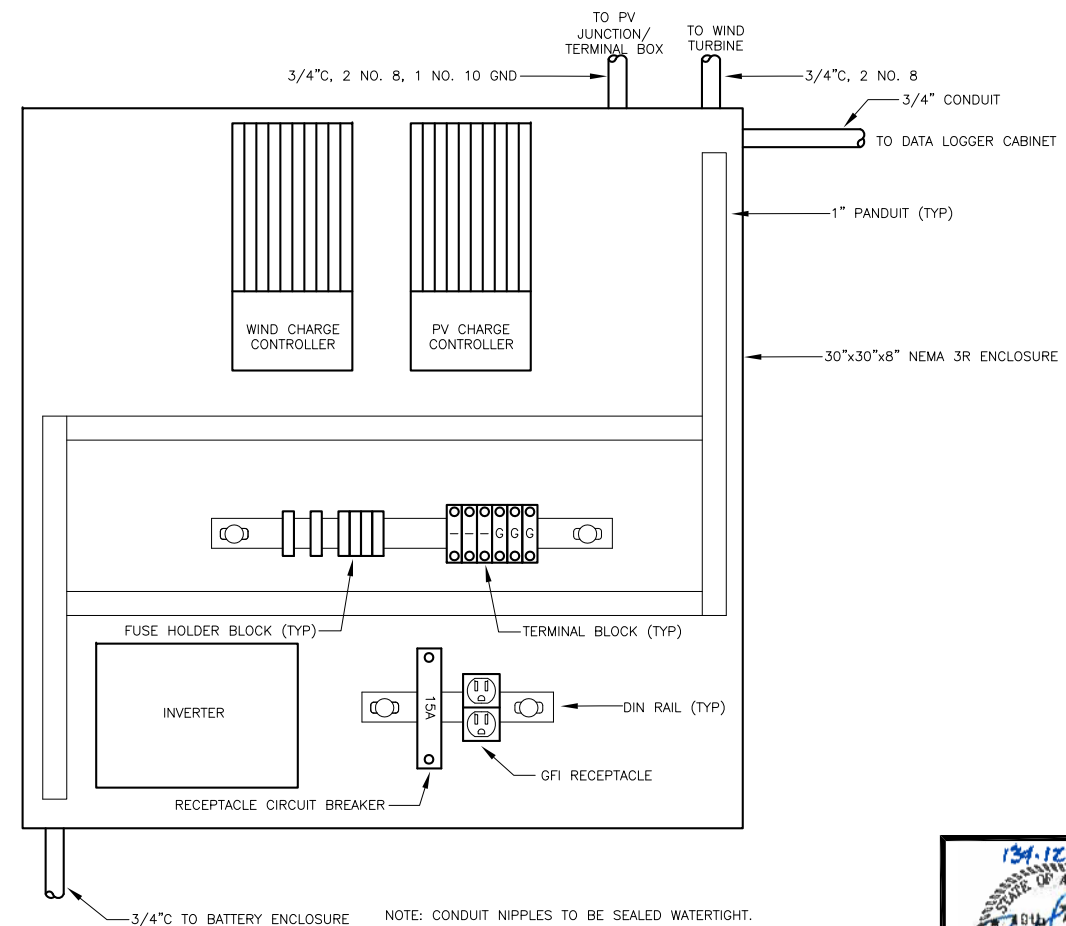
NO SCALE

EQUIPMENT SCHEDULE (BASIS OF DESIGN)		
ITEM	MANUFACTURER/MODEL	QUANTITY
DATA LOGGER	CAMPBELL SCIENTIFIC CR6	1
ANEMOMETER	R.M. YOUNG MODEL 05603C	1
TEMPERATURE/RH SENSOR	CAMPBELL SCIENTIFIC HMP50	1
CELLULAR MODEM	CAMPBELL SCIENTIFIC LS300G	1
CELL EXTENDER	POWERLOGIC DA4500	1
DATA LOGGER CABINET ENCLOSURE	HOFFMAN A24R248HCR	1
CAMERA	MOBOTIX M15D	2
POE INJECTOR	MOBOTIX NPA-POE	2
ETHERNET SWITCH	CTC UNION IFS-500-E	1
DATA LOGGER CABINET SECTIONAL TERMINAL BLOCKS	SCHNEIDER LINERGY TR NYSTRV352	21
DATA LOGGER CABINET SECTIONAL TERMINAL BLOCKS (GROUNDING)	SCHNEIDER LINERGY TR NYSTRV352PE	3



2 DETAIL - DATA LOGGER CABINET

NO SCALE



3 DETAIL - CHARGER PANEL

NO SCALE

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**ROADWAY
WEATHER
INFORMATION
SYSTEM (RWIS)**
SOUTH MITKOF ISLAND
BLAQUIERE POINT
**WIRING DIAGRAM &
CABINET DETAILS**

CHECKED BY: BCH

DRAWN BY: REJ

DRAWN BY: KHD

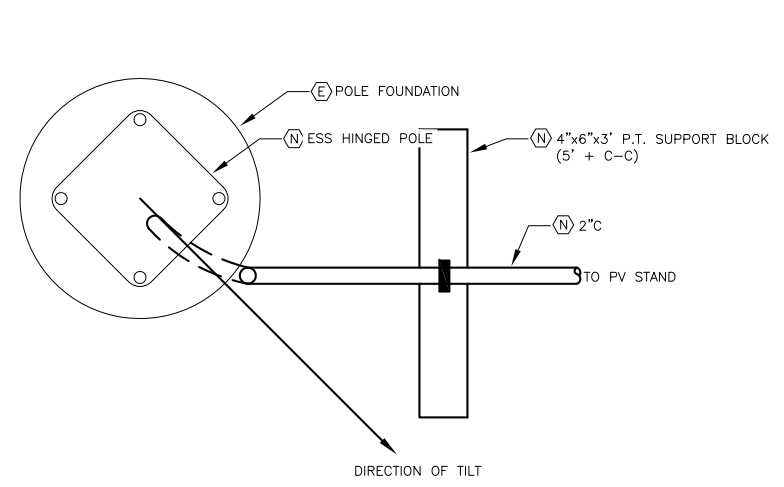
PROJECT DESIGNATION

ITS-0106-0002 / 75189

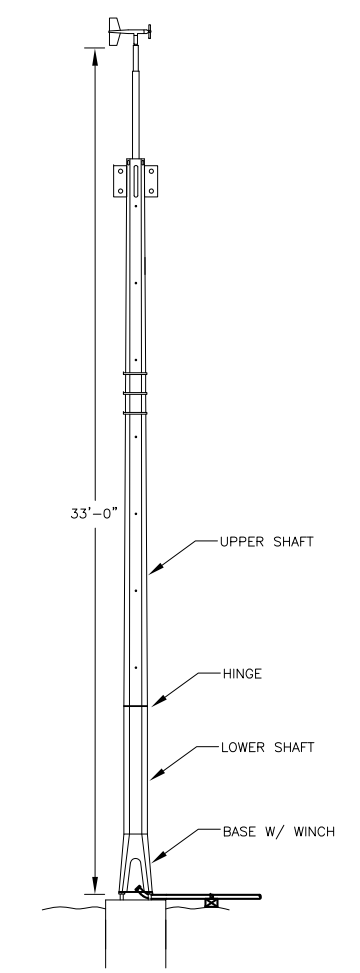
STATE	YEAR	SHEET NO.
ALASKA	2015	E5 Of 6



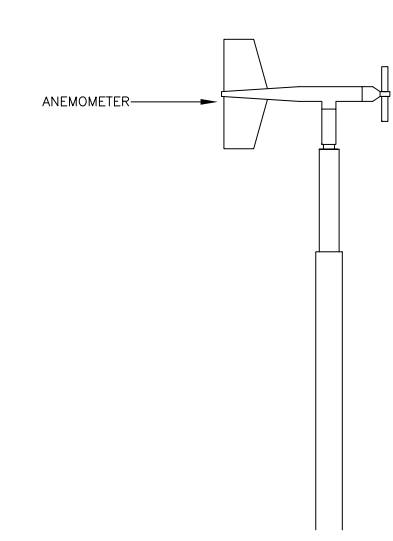
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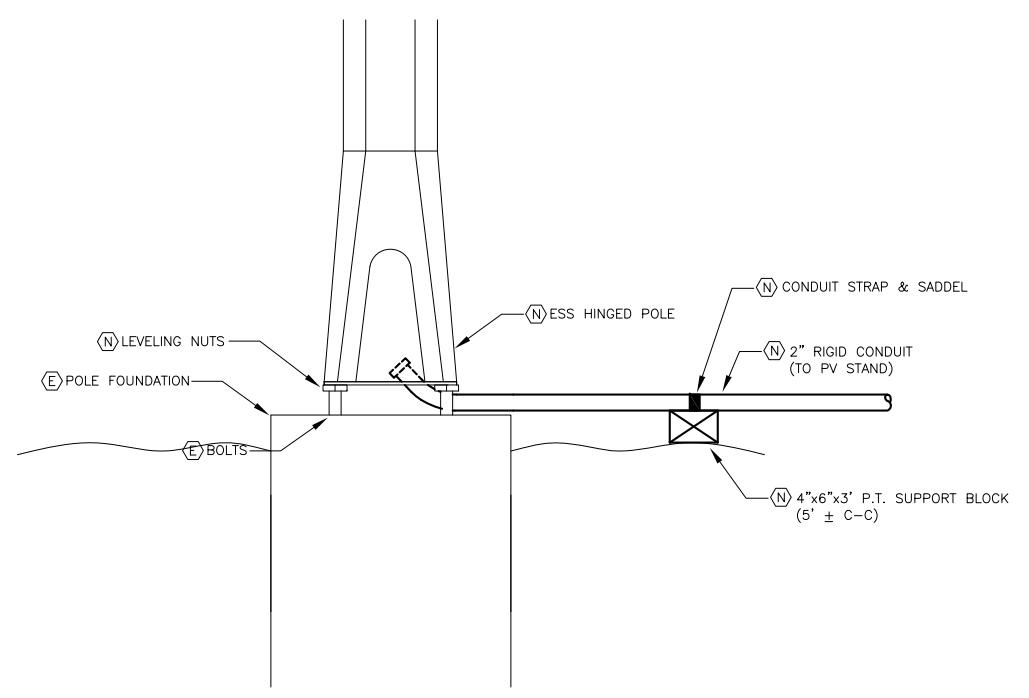
① SITE PLAN - POLE FOUNDATION
SCALE: 0 6" 1" 2'



② DETAIL - ESS HINGED POLE
NO SCALE

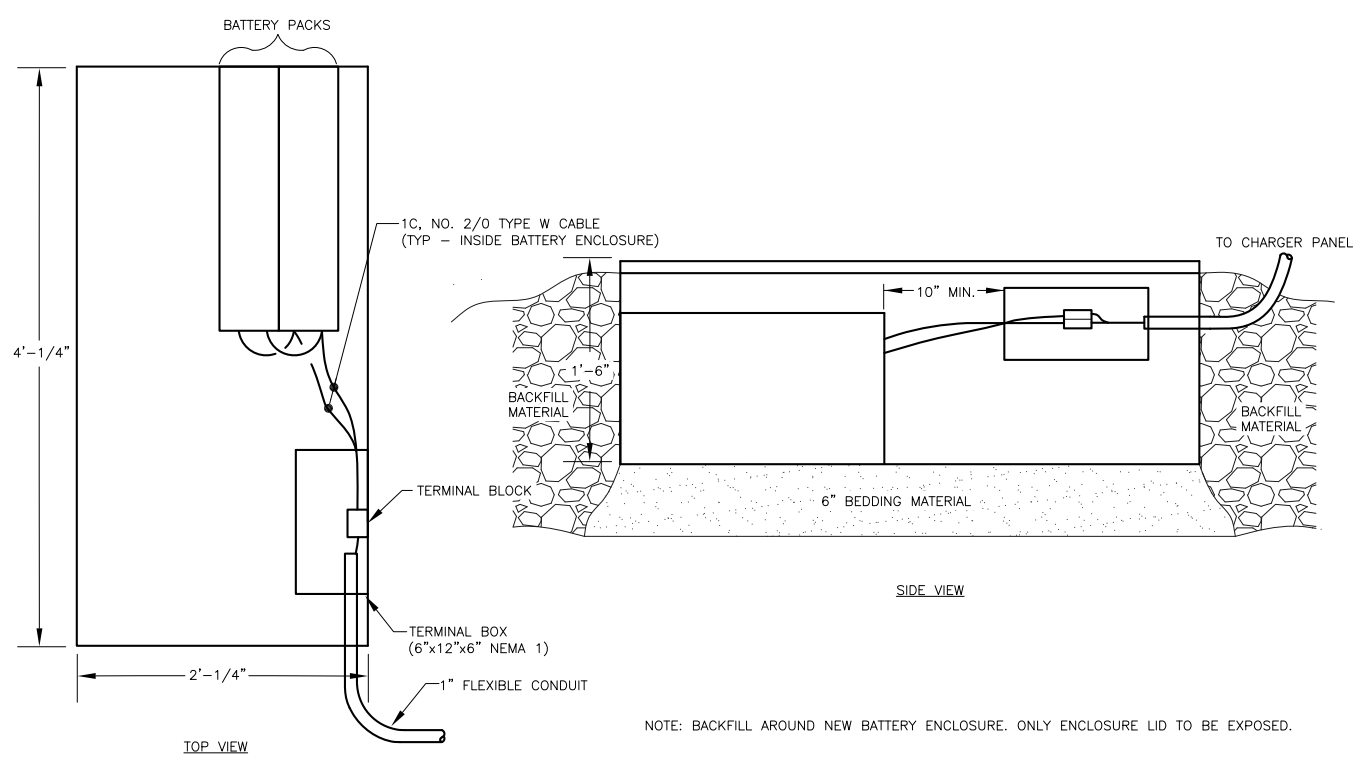


③ DETAIL - ESS HINGED POLE TOP
NO SCALE



NOTE: UTILIZE LEVELING NUTS TO ALLOW SUFFICIENT SPACE FOR FLEXIBLE CONDUIT.

④ DETAIL - ESS HINGED POLE BASE
NO SCALE



NOTE: BACKFILL AROUND NEW BATTERY ENCLOSURE. ONLY ENCLOSURE LID TO BE EXPOSED.

⑤ DETAIL - BATTERY BOX
NO SCALE

STATE OF ALASKA
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**ROADWAY
WEATHER
INFORMATION
SYSTEM (RWIS)**
**SOUTH MITKOF ISLAND
BLAQUIERE POINT**
**HINGED POLE &
BATTERY BOX DETAILS**

CHECKED BY: BCH		
DRAWN BY: REJ		
DRAWN BY: KHD		
PROJECT DESIGNATION		
ITS-0106-0002 / 75189		
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ALASKA	2015	E6 Of 6

