Chugach Electric Association, Inc.
INVITATION TO BID

November 5, 2019

TO: Chugach Electric Association, Inc., 2019-20 Outside Electrical Line Construction Contract Contractors Via Email.

You are invited to submit a proposal for Chugach Work Orders E1820056 & E1920055, Pt. MacKenzie Substation Repairs, located north of Anchorage and across the Knik Arm. The Project will be bid under W.O. E1820056 but contains a portion of work under W.O E1920055. This is to separate the project costs eligible for FEMA reimbursement from non-eligible project costs. The Contractor Bid should include ALL work under both work orders. In addition, in order to comply with federal contracting rules and maintain eligibility for potential FEMA disaster assistance, the Contractor must agree to comply with the OELCC Addendum (See Attachment to ITB) which will be used for this and any other earthquake related projects.

Project work generally consists of repairing damage sustained during the November 2018 earthquake. This Project will address two (2) Work Orders involving work at Point MacKenzie Substation: Earthquake Repairs (E1820056) and work related to the installation of foundations for Sync PT's in the 138kV switchyard (E1920055).

Work Order E1820056 for Earthquake Repairs includes the removal of twenty-two (22) 230kV double end break switches. The switches to be removed include: seventeen (17) manually operated switches mounted on low bus supports, of which, only the steel switch bases remain to be removed; three (3) motor operated switches mounted on A-Frame dead-end structures; one (1) high mount motor operated switch; and one (1) low mount motor operator switch. Note: the five (5) motors of the existing switch motor operators are to remain and will be re-used with the replacement switches. Demolition also includes the removal of damaged buswork, and two-hundred thirteen (213) ceramic station post insulators supporting bus work in the 230kV yard.

New construction for Earthquake Repairs includes the installation of: two-hundred thirteen (213) composite station post insulators in replacement of those removed, nineteen (19) 230kV center-break switches, three (3) double end break motor operated switches, rigid and flexible buswork sections, forty (40) 10.75" diameter by 23' long steel pipe pile foundations, thirty-one (31) steel low bus supports, jumpers and miscellaneous hardware to fully restore the substation to operational status.

Work Order E1920055 for Sync PTs includes the installation of (up to) five (5) pre-cast concrete PT foundations to be field located in the 138kV yard. Coordination with Chugach Site Representative and Operations crews will be required.

This project is not subject to the union signatory sections of Chugach's Outside or Generation Agreements contained in Exhibit N of the 2019-20 Outside Electrical Line Construction Contract. Bidding is open to all contractors regardless of union signatory statues. Contractors are not required to be signatory to a current collective bargaining agreement with IBEW Local 1547 in order to bid on the project. The signatory requirement only becomes applicable to the successful bidder once a contract is awarded. The successful bidder can comply by either establishing: (1) it is signatory to a current collective bargaining agreement with IBEW Local 1547; (2) by executing a collective bargaining

agreement with IBEW Local 1547; or, (3) by executing an agreement with IBEW Local 1547 to comply with the terms and conditions set forth in the most current agreement between IBEW Local 1547 and the Alaska Chapter of the National Electrical Contractors Association, Inc. If the successful bidder elects the third option, the Agreement will be limited to the scope of the work and duration of the project.

Please base your bids on the following conditions:

- All Contractor bids must be valid for 30 calendar days after the bid due date. After that time the Contractor shall have the option of retracting its bid. Projects awarded as late as and including the last day the Contractor's bids are valid and are not subject to contractor claim for delay of award.

- Contractor shall begin work within 14 calendar days of Notice to Proceed, pending that winter conditions are met.

- All Work shall be completed by March 15, 2020 or when winter conditions (frozen ground & snow cover) are lost – which ever date is earliest.

- As-Built drawings are required.

- A Bid Bond is required.

A bid bond in the amount of 10% of the bid shall be provided with the Bid documents. A certified check made payable to "Chugach Electric Association, Inc." may be substituted for the Bid Bond.

- Written releases of liens are required

A Pre-Bid Conference is scheduled for 2:00 p.m. Alaska Time, November 12, 2019, at Chugach's Operations Building "A", Engineering Conference Room, 5601 Electron Drive, Anchorage, Alaska. In-person Contractor representation attendance at this Pre-Bid Conference is mandatory.

RFB documentation is available on Chugach's website at www.chugachelectric.com, under Inside Chugach, Bid Opportunities tab. Contractors can find the RFB documentation under the "View advertisement and associated documents" button in WO E1820056 & E1920055.

All bids shall be delivered in person or submitted by Fax (907) 762-4699 must be received prior to 2:00 PM, Alaska Time, November 26, 2019, at Chugach's Headquarters Building, first floor Purchasing Office, 5601 Electron Drive, Anchorage, Alaska.

Bids will be evaluated and an award ultimately made with price and responsiveness to the bid requirements taken into consideration.

Notice to Proceed shall not be issued until Chugach has received (1) all bonds required by this Invitation to Bid (ITB) in the required amounts and forms and properly executed by the appropriate individuals. The contract time allowed for completion of this contract shall not be extended or suspended by any delay by Contractor in providing these documents necessary for

the Notice to Proceed to be issued.

No work shall begin until the successful bidder has been issued a written Notice to Proceed.

A Pre-Construction Conference will be required. Weekly construction progress meetings will be held.

All work shall be performed in compliance with all applicable local, state and federal ordinances, orders, statutes, rules and regulations.

The Contractor shall furnish all material required for the project that is not included on the Owner Furnished Materials List. Chugach must approve all Contractor-furnished material prior to installation.

The Contractor shall secure locates and assume responsibility for damage to any and all overhead and underground facilities.

Contractor shall take delivery of all materials within ten (10) days of Notice to Proceed.

Contractor's workmanship shall be warranted for two years following Chugach acceptance of the project completion documentation.

Payment for Contractor work is accomplished through use of a Completed Construction Report prepared by Chugach's Site Representative and signed off by the Contractor's representative. Total payment is made on actual units completed not on estimated units stated in the bid documents unless otherwise stated in writing. Chugach has no obligation to subsequently reconcile or assist in reconciling the Contractor's billing records.

Chugach reserves the right to define and waive irregularities, to accept or reject any or all proposals/bids, in whole or in part, and to reissue, withdraw or cancel the solicitation/project in its entirety for any reason including its subsequent determination to perform the Work in-house without liability of any type to bidder/proposer, including but not limited to any costs associated with proposal/bid preparations and submittal.

All questions regarding the bid documents are to be directed to Chugach's Project Engineer, John Pahkala, via email john_pahkala@chugachelectric.com. Questions shall be submitted no later than 5:00 PM, November 15, 2019. Answers will be returned no later than 12 PM, November 21, 2019.

CHUGACH ELECTRIC ASSOCIATION, INC.

Shawn Wendling
Sr. Manager, Projects

cc: Manager, Distribution Construction
Manager, Administrative Services
W.O. File E1820056 ; E1920055

--End of Invitation to Bid—

ADDENDUM TO OUTSIDE ELECTRICAL LINE CONSTRUCTION CONTRACT 2019

This Addendum ("Addendum") is attached to and made a part of that certain Outside Electrical Line Construction Contract 2019 ("OELCC") dated _____, 20___, entered into by Chugach Electric Association, Inc. and _____ ("Contractor"). In the event of any inconsistency or conflict between the terms and conditions of this Addendum and the OELCC, the terms and conditions of this Addendum shall govern and control.

SECTION 1. ARBITRATION AND DISPUTES

Any controversy, claim, or dispute arising out of or relating to the OELCC or this Addendum, or the breach thereof, shall be settled by arbitration administered by the American Arbitration Association in accordance with its Construction Industry Rules of the American Arbitration Association and judgment on the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof. Contractor agrees that, upon the written demand of Chugach based on a contention of a duty of Contractor to indemnify Chugach or a claim for contribution, it will become a party to any arbitration proceeding involving Chugach and any third party.

SECTION 2. COMPLIANCE

Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401–7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251–1387).

SECTION 3. SUSPENSION AND DEBARMENT

The OELCC shall not be awarded to any party listed on the government wide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), "Debarment and Suspension."

SECTION 4. EQUAL OPPORTUNITY

During the performance of the OELCC, the contractor agrees as follows:

(1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:

Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.

(3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.

(4) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(5) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(6) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(7) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(8) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance:

Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: Provided, That if the applicant so participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.

The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive Order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

SECTION 5. COMPLIANCE WITH THE DAVIS-BACON ACT

A. All transactions regarding the OELCC shall be done in compliance with the Davis-Bacon Act (40 U.S.C. 3141- 3144, and 3146-3148) and the requirements of 29 C.F.R. pt. 5 as may be applicable. The contractor shall comply with 40 U.S.C. 3141-3144, and 3146-3148 and the requirements of 29 C.F.R. pt. 5 as applicable.

B. The contractor and any subcontractor(s) shall pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor.

C. Additionally, the contractor and any subcontractor(s) shall pay wages not less than once a week.

D. The contractor or any subcontractor shall insert in any subcontracts the clauses above and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The

contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all of these contract clauses.

SECTION 6. COMPLIANCE WITH THE COPELAND "ANTI-KICKBACK" ACT

A. Contractor. The contractor shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into this contract.

B. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clause above and such other clauses as FEMA may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all of these contract clauses.

C. Breach. A breach of the contract clauses above may be grounds for termination of the contract, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. § 5.12.

SECTION 7. WORK HOURS

(A) No Contractor or subcontractor employing laborers or mechanics to perform the Work under this Contract shall require or permit such laborer or mechanic to work over 40 hours in any workweek unless they are paid at least 1 and 1/2 times the basic rate of pay for each hour worked over 40 hours.

(B) Any violation of Section 7(A) shall result in the violating contractor or subcontractor responsible for the violation being liable:

(1) to the affected employee for the employee's unpaid wages; and

(2) to the Government, the District of Columbia, or a territory for liquidated damages as provided in the contract.

(C) Liquidated damages.--Liquidated damages under subsection (B)(2) shall be computed for each individual employed as a laborer or mechanic in violation of this chapter and shall be equal to $10 for each calendar day on which the individual was required or permitted to work in excess of the standard workweek without payment of the overtime wages required by this chapter.

SECTION 8. WORKING CONDITIONS

No laborer or mechanic employed in the performance of the Work under this Contract shall be required to work in surroundings or under working conditions that are unsanitary, hazardous, or dangerous to health or safety, as established under construction safety and health standards the Secretary of Labor prescribes by regulation based on proceedings pursuant to section 553 of title 5, provided that the proceedings include a hearing similar in nature to that authorized by section 553 of title 5.

SECTION 9. ANTI-LOBBYING

To the extent the award of the OELCC exceeds $100,000, Contractor warrants and represents that it has filed the required certification that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Contractor further warrants that it has disclosed any lobbying with non–Federal funds that has taken place in connection with obtaining any Federal award. Each tier of Subcontractors shall make the same certification to the tier above.

SIGNATURES:

_____ _____

Chugach Electric Association, Inc. Date

By:_____

Title:_____

_____ _____

[CONTRACTOR] Date

By:_____

Title:_____

Bid Sheet

WORK ORDER NUMBER: E1820056 / E1920055 CONTRACTOR: _____

LOCATION: POINT MACKENZIE SUBSTATION DATE: _____

BIDS ARE DUE PRIOR TO 2:00 P.M: November 26, 2019

This bid is submitted subject to the terms of the 2019-20 Outside Electrical Line Construction Contract between Chugach Electric Association, Inc., and the undersigned, for the above project as set out in the Invitation to Bid.

Project Bid Quotation: _____

Quotation Expires: December 26, 2019 at 5:00 p.m.

Contractor's Alaska License No.: _____

Insurance Expires: _____

Worker's Compensation: _____

Liability: _____

Automobile: _____

Contractor Sell Rate: _____

Contractor Labor Man-Hours: _____

EXCEPTIONS AND QUALIFICATIONS

Exception or qualifications taken by the Bidder to any of the documents furnished with this Invitation to Bid, or clarifications to the Proposal shall be stated below and, if none, Bidder shall state "NONE".

_____

_____

SUBCONTRACTORS

The Bidder shall indicate below the Work intended to be subcontracted to others.

_____

_____

_____ By Contractor _____

Dated

_____

_____

BID ACCEPTED SUBJECT TO TERMS AND CONDITIONS OF THE OUTSIDE ELECTRICAL LINE CONSTRUCTION CONTRACT

By Chugach Electric Association, Inc: _____

_____ _____

Dated

_____

PMSS EARTHQUAKE REPLACEMENT & 138kV SYNC PTs
W.O. E1820056 / W.O. E1920055

BID SCHEDULE SUMMARY

NEW CONSTRUCTION

GROUP F - FOUNDATIONS		$ _____
GROUP A - STEEL STRUCTURES		$ _____
GROUP B - SWITCHING		$ _____
GROUP C - CIRCUITS AND BUSWORK		$ _____
GROUP F - FOUNDATIONS		$ _____
GROUP O - GROUNDING		$ _____
	TOTAL NEW CONSTRUCTION	$ _____

REMOVAL/RETIREMENT

GROUP I - RETIREMENT		$ _____
	TOTAL REMOVAL / RETIREMENT	$ _____
SURVEY UNITS		$ _____
	TOTAL BID:	$ _____

PMSS EARTHQUAKE REPLACEMENT & 138kV SYNC PTs
W.O. E1820056 / W.O. E1920055

BID SCHEDULE
NEW CONSTRUCTION
GROUP A -STEEL STRUCTURES

BID UNIT	DESCRIPTION	QUANTITY	UNIT	LABOR	MATERIAL	LABOR & MATERIAL	EXTENDED COST	WORK ORDER
A1	TYPE A01 3-PHASE LOW BUS	9	EA					E1820056
A2	TYPE A02 1-PHASE LOW BUS	22	EA					E1820056

TOTAL GROUP A - STEEL STRUCTURES: $_____

PMSS EARTHQUAKE REPLACEMENT & 138kV SYNC PTs
W.O. E1820056 / W.O. E1920055

BID SCHEDULE
NEW CONSTRUCTION
GROUP B - SWITCHING

BID UNIT	DESCRIPTION	QUANTITY	UNIT	LABOR	MATERIAL	LABOR & MATERIAL	EXTENDED COST	WORK ORDER
B1	DISCONNECT SWITCH - 230kV CENTER BREAK VEE - LOW MOUNT, MANUAL OPERATED	17	EA					E1820056
B2	DISCONNECT SWITCH - 230kV CENTER BREAK VEE - LOW MOUNT, MOTOR OPERATED	1	EA					E1820056
B3	DISCONNECT SWITCH - 230kV CENTER BREAK VEE - HIGH MOUNT, MOTOR OPERATED	1	EA					E1820056
B4	DISCONNECT SWITCH - 230kV DOUBLE END BREAK VEE - A FRAME MOUNT, MOTOR OPERATED	3	EA					E1820056

TOTAL GROUP B - SWITCHING: $_____

PMSS EARTHQUAKE REPLACEMENT & 138kV SYNC PTs
W.O. E1820056 / W.O. E1920055

BID SCHEDULE
NEW CONSTRUCTION
GROUP C - CIRCUITS AND BUSWORK

	BID UNIT	DESCRIPTION	QUANTITY	UNIT	LABOR	MATERIAL	LABOR & MATERIAL	EXTENDED COST	WORK ORDER
	C1	230kV COMPOSITE STATION POST INSULATOR	213	EA					E1820056
	C2	BUSWORK	1	LOT					E1820056
	C3	FLEXIBLE CONNECTIONS AND JUMPERS	1	LOT					E1820056
+	C4	MANHOUR	200	EA					E1820056

TOTAL GROUP C - CIRCUITS AND BUSWORK $_____

NOTE: (+) THIS UNIT WILL BE APPLIED ONLY IF REQUIRED AND AUTHORIZED BY CHUGACH. UNIT QUANTITY OF THIS BID UNIT MAY BE INCREASED, DECREASED AND/OR DELETED FROM THE CONTRACT WITHOUT ADJUSTMENTS TO THE UNIT PRICE.

PMSS EARTHQUAKE REPLACEMENT & 138kV SYNC PTs
W.O. E1820056 / W.O. E1920055

BID SCHEDULE
NEW CONSTRUCTION
GROUP F - FOUNDATIONS

	BID UNIT	DESCRIPTION	QUANTITY	UNIT	LABOR	MATERIAL	LABOR & MATERIAL	EXTENDED COST	WORK ORDER
	F1	PIPE PILE, 10.75"DIAMETER, 0.5" WALL THICKNESS, 23' LONG	40	EA					E1820056
+	F2	SYNCH PT - CONCRETE FOUNDATION 3'-9"X3'-9"X2'-0"	5	EA					E1920055

TOTAL GROUP F - FOUNDATION ASSEMBLY UNITS: $_____

NOTE: (+) THIS UNIT WILL BE APPLIED ONLY IF REQUIRED AND AUTHORIZED BY CHUGACH. UNIT QUANTITY OF THIS BID UNIT MAY BE INCREASED, DECREASED AND/OR DELETED FROM THE CONTRACT WITHOUT ADJUSTMENTS TO THE UNIT PRICE.

PMSS EARTHQUAKE REPLACEMENT & 138kV SYNC PTs
W.O. E1820056 / W.O. E1920055

BID SCHEDULE
NEW CONSTRUCTION
GROUP O - GROUNDING

BID UNIT	DESCRIPTION	QUANTITY	UNIT	LABOR	MATERIAL	LABOR & MATERIAL	EXTENDED COST	WORK ORDER
O1	GROUNDING, SUBSTATION	1	LOT					E1820056

TOTAL GROUP O - GROUNDING : $_____

PMSS EARTHQUAKE REPLACEMENT & 138kV SYNC PTs
W.O. E1820056 / W.O. E1920055

BID SCHEDULE
REMOVAL/RETIREMENT
GROUP I - RETIREMENT

BID UNIT	DESCRIPTION	QUANTITY	UNIT	LABOR	MATERIAL	LABOR & MATERIAL	EXTENDED COST	WORK ORDER
I - B1	RETIREMENT, 230kV DOUBLE END BREAK VEE SWITCH, MANUAL OPERATED, LOW MOUNT	17	EA.					E1820056
I - B2	RETIREMENT, 230kV DOUBLE END BREAK VEE SWITCH, MOTOR OPERATED, LOW MOUNT	1	EA.					E1820056
I - B3	RETIREMENT, 230kV DOUBLE END BREAK VEE SWITCH, MOTOR OPERATED, HIGH MOUNT	1	EA.					E1820056
I - B4	RETIREMENT, 230kV DOUBLE END BREAK VEE SWITCH, MOTOR OPERATED, A-FRAME MOUNT	3	EA.					E1820056
I - C1	RETIREMENT, STATION POST INSULATOR	213	EA.					E1820056
I - C2	RETIREMENT, DAMAGED BUSWORK	1	LOT					E1820056

TOTAL GROUP I - RETIREMENT : $_____

PMSS EARTHQUAKE REPLACEMENT & 138kV SYNC PTs
W.O. E1820056 / W.O. E1920055

BID SCHEDULE
NEW CONSTRUCTION
SURVEY UNITS

BID UNIT	DESCRIPTION	QUANTITY	UNIT	LABOR	MATERIAL	LABOR & MATERIAL	EXTENDED COST	WORK ORDER
SURVEY 1	CONSTRUCTION SURVEY	1	LUMP SUM					E1820056
SURVEY 2	POST-CONSTRUCTION SURVEY	1	LUMP SUM					E1820056

TOTAL - SURVEY UNITS: $_____

BID BOND

KNOW ALL MEN BY THESE PRESENT, That we, _____
_____
of _____
_____as Principal, and _____
_____a corporation organized under the laws of _____
_____
_____ and authorized to transact surety business in the State of Alaska, of_____ as Surety, are held and firmly bound unto Chugach Electric Association, Inc., as Obligee in the full and just sum of ($_____) dollars, lawful money of the UNITED STATES, for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said Principal is herewith submitting its proposal for
_____
_____
_____
_____
_____

The condition of this obligation is such that if the aforesaid Principal will, within the time required, enter into a formal contract and give a good and sufficient bond to secure the performance of the terms and conditions of the contract, then this Obligation to be void; otherwise the Principal and Surety will pay unto the Obligee the amount stated above.

Signed, sealed, and delivered _____, 20___.

WITNESS AS TO PRINCIPAL:

_____

Signature:

_____

Print Name:

_____

Principal

By: _____

Title: _____

_____ (Seal)

Corporate Surety

_____

Business Address

_____

By: _____

Attorney-in-Fact

CONTRACTOR'S BOND

1. Know all men that we, _____, as Principal, and _____, as Surety, are held and firmly bound unto Chugach Electric Association, Inc. (hereinafter called "Chugach") and unto all persons, firms and corporations who or which may furnish materials for or perform labor on the Work known as International Transmission Substation and to their successors and assigns, in the penal sum of _____ dollars ($_____), as hereinafter set forth and for the payment of which sum well and truly to be made we bind ourselves, our executors, administrators, successors and assigns jointly and severally by these presents. Said Work is described in a certain contract (hereinafter called the "Contract") between Chugach and the Principal, dated _____, 20___.

2. The condition of this obligation is such that if the Principal shall well and truly perform and fulfill all the undertakings, covenants, terms, conditions and agreements of the Contract and any amendments thereto, whether such amendments are for additions, decreases, or changes in materials, their quantity, kind or price, labor costs, mileage, routing or any other purpose whatsoever, and whether such amendments are made with or without notice to the Surety, and shall fully indemnify and save harmless Chugach from all costs and damages which Chugach shall suffer or incur by reason of any failure so to do, and shall fully reimburse and repay Chugach for all outlay and expense which Chugach shall incur in making good any such failure of performance on the part of the Principal, and shall promptly make payment to all persons working on or supplying labor or materials for use in the Work contemplated in the Contract and any amendments thereto, in respect of such labor or materials furnished and used therein, to the full extent thereof, and in respect of such labor or materials furnished but not so used, to the extent of the quantities estimated in the Contract and any amendments thereto to be required for the Work, and shall well and truly reimburse Chugach, as its respective interests may appear, for any excess in costs of the Work over the costs of such Work as provided in the Contract and any amendments thereto, occasioned by any default of the Principal under the Contract and any amendments thereto, then this obligation shall be null and void, but otherwise shall remain in full force and effect.

3. It is expressly agreed that this bond shall be deemed amended automatically and immediately, without formal and separate amendments hereto, upon any amendment to the Contract, so as to bind the Principal and the Surety to the full and faithful performance of the Contract as so amended, provided only the total amount of all increases in the costs of Work shall not exceed 20 percent of 50 percent of the amount of the maximum price set forth in the Contract. The term "Amendment," wherever used in this bond, and whether referring to this bond, the Contract

shall include any alteration, addition, extension, modification, amendment, rescission, waiver, release or annulment, of any character whatsoever.

4. It is expressly agreed that any amendment which may be made by agreement or otherwise between the Principal and Chugach in the terms, provisions, covenants and conditions of the Contract, (including, without limitation, the granting by Chugach of any extension of time for the performance of the obligations of the Principal under the Contract, or the failure or refusal of Chugach to take any action, proceeding or step to enforce any remedy or exercise any right under either the Contract, or the taking of any action, proceeding or step by Chugach, acting in good faith upon the belief that the same is permitted by the provisions of the Contract) shall not in any way release the principal and the Surety, or either of them or their respective executors, administrators, successors or assigns, from liability hereunder. The Surety hereby acknowledges receipt of notice of any amendment, indulgence or forbearance, made, granted or permitted.

5. This bond is made for the benefit of all persons, firms and corporations who or which may furnish any materials or perform any labor for or on account of the Work to be performed under the Contract and any amendments thereto, and they, and each of them, are hereby made obligee hereunder with the same force and effect as if their names were written herein as such, and they and each of them may sue hereon.

In witness whereof, the undersigned have caused this instrument to be executed and their respective corporate seals to be affixed and attested by their duly authorized representatives this _____ day of _____, 20____.

_____(SEAL)
(Principal)

Attest:

BY:_____

_____
(Secretary)

_____(SEAL)
(Surety)

_____(SEAL)
(Principal)

Attest: _____ BY: _____

_____
(Secretary)

_____
(Address of Surety's Home Office)

_____

BY: _____
(Resident Agent of Surety)

_____

Signatures: The Contractor's Bond must be signed with the full name of the Contractor. If the Contractor is a partnership the Contractor's Bond must be signed in the partnership name by a partner. If the Contractor is a corporation the Contractor's Bond must be signed in the corporate name by a duly authorized officer and the corporate seal affixed and attested by the Secretary of the corporation. A typewritten copy of all such names and signatures shall be appended.

Power of Attorney: The Contractor's Bond must be accompanied by a power of attorney or corporate resolution authorizing execution on behalf of the Surety and, in jurisdictions so requiring should be countersigned by a duly Alaska authorized resident agent of the Surety.

PMSS EARTHQUAKE REPLACEMENT AND SYNC PTs
BID UNIT DESCRIPTIONS
W.O. E1820056 / E1920055

BID UNIT	DESCRIPTION
NOTES	GENERAL NOTES APPLICABLE TO ALL BID UNITS
	1. Cost for loading, transporting to construction site and offloading of Chugach furnished material is incidental to the cost of the affected Bid Unit. No additional compensation will be paid for loading, transporting to construction site and offloading of Chugach furnished material. Reference List Of Owner Furnished Material for materials furnished by Chugach and Bid Units affected by the material.
	2. Chugach will only furnish materials identified on the List Of Owner Furnished Material. All other materials required to complete the Work are to be furnished by the Contractor.
	3. Cost of dewatering, snow plowing, and ground thawing is incidental to cost of affected Bid Unit. No additional compensation will be paid for these work activities.
A1	STEEL STRUCTURE, TYPE A01 THREE PHASE LOW BUS SUPPORT - This unit includes furnishing all labor, miscellaneous materials, and equipment required for the complete installation of one Chugach furnished type A01 structure. The unit includes placement and adjustment in accordance with specifications, drawings, and manufacturer's instructions.
A2	STEEL STRUCTURE, TYPE A02 SINGLE PHASE BUS SUPPORT - This unit includes furnishing all labor, miscellaneous materials, and equipment required for the complete installation of one Chugach furnished type A02 structure. The unit includes placement and adjustment in accordance with specifications, drawings, and manufacturer's instructions.
B1	DISCONNECT SWITCH, CENTER BREAK V, MANUAL OPERATED, 230 kV - This unit includes installation of one Chugach furnished 3-phase manually operated disconnect switch. The unit includes placement, adjustment, and operation in accordance with specifications, drawings, and manufacturer's instructions. The unit includes all labor, miscellaneous materials and equipment required for a complete installation.
B2, B3	DISCONNECT SWITCH, CENTER BREAK V, MOTOR OPERATED, 230 kV - This unit includes installation of one Chugach furnished 3-phase motor operated disconnect switch. The unit includes placement, adjustment, and operation in accordance with specifications, drawings, and manufacturer's instructions. The unit includes all labor, miscellaneous materials and equipment required for a complete installation.
B4	DISCONNECT SWITCH, DOUBLE END BREAK V, MOTOR OPERATED 230 kV - This unit includes installation of one Chugach furnished 3-phase motor operated disconnect switch. The unit includes placement, adjustment, and operation in accordance with specifications, drawings, and manufacturer's instructions. The unit includes all labor, miscellaneous materials and equipment required for a complete installation.
C1	INSULATOR, 230KV COMPOSITE STATION POST - This unit includes installation of one Chugach furnished 230kV composite station post insulator. The unit includes all labor and materials necessary for complete installation of 230kV composite station post insulator in accordance with specifications, drawings, and manufacturer's instructions.

PMSS EARTHQUAKE REPLACEMENT AND SYNC PTs
BID UNIT DESCRIPTIONS
W.O. E1820056 / E1920055

BID UNIT	DESCRIPTION
C2	BUSWORK - This unit includes installation of new Chugach furnished buswork as shown and described in the Drawings and Specifications. The unit includes all labor, filler compounds, fasteners and all other miscellaneous materials and labor needed to provide a complete and functional bus system.
C3	FLEXIBLE CONNECTIONS AND JUMPERS - This unit includes the installation of all flexible connections and jumpers for connecting all equipment and switches to rigid buswork. This unit includes furnishing and installation of all filler compounds, fasteners, insulators on flexible and rigid bus and all miscellaneous labor and materials to provide a complete bus system for all switch connections, breaker connections and other connections required to make a complete and functional bus.
C4	MANHOUR - This unit includes all labor and miscellaneous support tools required to perform one hour of Chugach-directed work.
F1	FOUNDATION, TYPE F1 - This unit includes all required labor, miscellaneous materials, tools, and equipment to install one Chugach furnished Type F1, 10.75 in Dia., 23 ft long, steel pipe pile foundation. This unit includes all labor, materials, tools, and equipment for any obstruction removal necessary to install the pile to the specified depth..
F2	FOUNDATION, TYPE F2 - This unit includes all labor and miscellaneous materials to install one pre-cast concrete PT foundation. This unit includes all required excavating, compaction; furnishing back fill, and miscellaneous materials required for a complete foundation.
I-B1,2,3 & 4	RETIREMENT, 230kV SWITCH - This unit includes all labor, tools, equipment and transportation required to remove and dispose of a complete or partial 230kV switch. Included in the cost of the bid unit is the retirement of the switch operator (motors to remain in place), and all associated misc. switch components. The cost of disposal of all discarded materials is included in this unit.
I-C1	RETIREMENT, POST INSULATOR - This unit includes all labor, tools, equipment and transportation required to remove and dispose of a glass station post insulator in accordance with the specifications. The cost of disposal of the discarded materials is included in this unit
I-C2	RETIREMENT, BUSWORK - This unit includes all labor, tools, equipment and transportation required to remove and dispose of damaged bus work, including peripheral attachments to the existing switches. The cost of disposal of all discarded materials is included in this unit.

PMSS 230KV EARTHQUAKE REPLACEMENT AND 138 KV SYNC PT
LIST OF OWNER
FURNISHED MATERIAL
CHUGACH W.O. E1820056 E1920055

Item	Dwg. Ref. No.	Bid Unit	Description	Approx. Weight (lbs.)	Manufacturer	ID	Quantity	Unit	Price (ea/ft)	Total Cost	Status/ *Delivery Date	Delivered to Site By	Work Order
1	A80	A1	Steel Structure, Type A01 230 kV 3-Phase Low Bus Support	2200	TBD		9	EA	$ 3,000.00	$ 27,000.00	Receive Bids 11/5	Contractor	E1820056
2	A81	A2	Steel Structure, Type A02 230 kV 1-Phase Low Bus Support	700	TBD		22	EA	$ 1,500.00	$ 33,000.00	Receive Bids 11/5	Contractor	E1820056
3	A83	B1	Disconnect Switch, Center Break Break V, 230 kV, Low Mount, Manual Operated	3200	Royal Switchgear Mfgr Co.	AV23020 B-13636	17	EA	$ 10,100.00	$ 171,700.00	1/2/2020	Contractor	E1820056
4	A99	B2	Disconnect Switch, Center Break Break V, 230 kV, Low Mount, Motor Operated	3200	Royal Switchgear Mfgr Co.	AV23020 B-13637	1	EA	$ 9,600.00	$ 9,600.00	1/2/2020	Contractor	E1820056
5	A100	B3	Disconnect Switch, Center Break Break V, 230 kV, High Mount, Motor Operated	3200	Royal Switchgear Mfgr Co.	AV23020 B-13638	1	EA	$ 9,750.00	$ 9,750.00	1/2/2020	Contractor	E1820056
6	A87	B4	Disconnect Switch, Double End Break V, 230 kV, A-Frame Mount, Motor Operated	4000	Royal Switchgear Mfgr Co.	DV23020 B-13641	3	EA	$ 16,000.00	$ 48,000.00	1/2/2020	Contractor	E1820056
7		F1	Pipe Pile, 10-3/4" x 23' x 0.500"	1300	TBD		40	EA	$ 2,000.00	$ 80,000.00	Receive Bids 11/19	Contractor	E1820056
8		F2	Pre-cast concrete foundation, 3'-9" x 3'-9" x 2'-0"		Alaska Pre-Cast		5	EA	$ 1,050.00	$ 5,250.00	In Procurement	Contractor	E1920055
9	A82	C2	Seamless Bus Pipe, 4" IPS, 34 Foot Lengths		DMC Power		32	EA	$ 640.00	$ 20,480.00	In Procurement	Contractor	E1820056
10	A84	C3	795 AAC, 37 Strand, Arbutus		General Cable	CEA ID - 1245 (Arbutus)	200	LF	$ 1.96	$ 391.00	CEA Stock	Contractor	E1820056
11	A85	C3	1113 AAC, 61 Strand, Marigold		Southwire		2300	LF	$ 5.60	$ 12,880.00	In Procurement	Contractor	E1820056
13	A86	C1	Insulator, Station Post, 230 kV	140	Lapp Insulators	CP4-080-22-165-B	213	EA	$ 640.00	$ 136,320.00	1/23/2020	Contractor	E1820056
15	A103	C2	Bus Vibration Dampers		DMC Power	1706-010	19	EA	$ 360.00	$ 6,840.00	In Procurement	Contractor	E1820056
16	A88	C3	Split Spacer, 2 split cable runs, 4" spacing, Marigold		DMC Power	CL702D11130-4S	53	EA	$ 120.00	$ 6,360.00	In Procurement	Contractor	E1820056
17	A89	C3	Terminal, 3" wide, 4-hole, offset, Arbutus		DMC Power	CPLK9432D07950S	53	EA	$ 80.00	$ 4,240.00	In Procurement	Contractor	E1820056
18	A90	C3	Terminal, 3" wide, 4-hole, 2 cables, offset, Marigold		DMC Power	CPLK9632D11130S	53	EA	$ 100.00	$ 5,300.00	In Procurement	Contractor	E1820056
19	A91	C3	Terminal, 3" wide, 4-hole, 2 cables, 45° angle, Marigold		DMC Power	CPLK9634D11130S	119	EA	$ 100.00	$ 11,900.00	In Procurement	Contractor	E1820056
20	A92	C2	Long splice, 4" Bus		DMC Power	PLK1001D64	36	EA	$ 370.00	$ 13,320.00	In Procurement	Contractor	E1820056
21	A93	C3	Bus to 4-hole NEMA pad, 4" Bus, 3" wide, 4.5" Long, transverse		DMC Power	PLK1150D64L1E1	9	EA	$ 200.00	$ 1,800.00	In Procurement	Contractor	E1820056
22	A94	C2	Grounding Stud, 4" Bus		DMC Power	PLK1160D64	6	EA	$ 87.00	$ 522.00	In Procurement	Contractor	E1820056
23	A95	C3	Terminal, 3" wide, 4-hole, 2 cables, 90° angle, Marigold		DMC Power	CPLK9639D11130S	93	EA	$ 120.00	$ 11,160.00	In Procurement	Contractor	E1820056
24	A96	C3	4-hole terminal NEMA pad center formed, 4" bus, 3" wide		DMC Power	PLK1850D64A	93	EA	$ 120.00	$ 11,160.00	In Procurement	Contractor	E1820056
25	A97	C2	Slip / Rigid fit bus support, 4" bus, 3" & 5" bolt circles		DMC Power	PLK2230D64E12	88	EA	$ 235.00	$ 20,680.00	In Procurement	Contractor	E1820056
26	A98	C2	Expansion Bus Support, 4" bus, 5" bolt circle		DMC Power	PLK2701D64E2	40	EA	$ 1,000.00	$ 40,000.00	In Procurement	Contractor	E1820056
27	A104	C2	Bus to 4-Hole NEMA Pad, 4" Bus, 3" Wide, 5" Long, Split		DMC Power	PLK5100D64E5	4	EA	$ 100.00	$ 400.00	In Procurement	Contractor	E1820056
28		O1	Swaged split parallel, 4/0 - 4/0		DMC Power	GC721B004-004	25	EA	$ 32.00	$ 800.00	In Procurement	Contractor	E1820056
29		O1	Swaged split elbow, 4/0 - 4/0		DMC Power	GC739B004-004	25	EA	$ 53.00	$ 1,325.00	In Procurement	Contractor	E1820056
30		O1	Swaged Terminal 4/0 - 1 hole pad, tinned		DMC Power	GC910B004T	25	EA	$ 32.00	$ 800.00	In Procurement	Contractor	E1820056
31		O1	Swaged Terminal 4/0 - 2 hole pad, tinned		DMC Power	GC920B004T	116	EA	$ 32.00	$ 3,712.00	In Procurement	Contractor	E1820056
32		O1	Swaged Splice 4/0 - 4/0		DMC Power	GC720B004-004	25	EA	$ 32.00	$ 800.00	In Procurement	Contractor	E1820056
			TOTAL OWNER FURNISHED MATERIAL							**$ 695,490.00**			

* Manufacturer's estimated date of delivery.