PART 1

SPECIAL PROVISIONS

FOR

SOUTH CAMPUS POLE RELOCATION – PHASE 2

W.O. E2420080

March 20, 2025

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These special provisions supplement the provisions of the 2024-2025 Chugach Electric Association, Inc. Outside Electrical Line Construction Contract and Technical Specifications.

SECTION 1

SUMMARY OF WORK

1.1 SECTION INCLUDES

- Description of Project
- Work
- Contractor use of Premises
- Permits and Licenses
- Supplementary Instructions to Contractors.

1.2 DESCRIPTION OF THE PROJECT

Chugach is creating a new laydown yard at their South campus facility and needs several existing 138kV transmission lines realigned to reduce structure quantity and guy anchors to optimize access and storage of materials and equipment. The transmission lines are getaways from Chugach's International Transmission Substation (ITSS).

Existing transmission line structures, foundations, conductors, guys and anchors will be retired, and the new structures, pile foundations, and conductor installed. Existing and new 138kV conductors are 795 kcmil, ACSR "Drake".

This project involves:

- A. Retiring existing 138kV Structures ITRR 1-1, ITRR 1-2, and 1-2 and installing new 138kV Structures ITRR 1-1 and ITRR 1-2. Relocate 138kV conductors between existing ITSS A-frame structure and existing Structure ITRR 1-3.
- B. Retiring existing Structures ITUV 1-1, ITUV 1-2, and 100-07 and installing new Structures ITPM2 1-1/ITUV 1-1 (double circuit pole) and 100-07. Relocate 138kV conductors between existing ITSS A-frame structure and existing Structure 100-07.
- C. Retiring existing Structure ITPM2 1-1. Relocate 138kV conductors between existing ITSS A-frame structure and existing Structure 1-1 (0305).

- D. Relocate 138kV conductors (currently de-energized) between new ITRR 1-2 and existing Structure 1-1 (0305).
- E. Development of a Storm Water Pollution Prevention Plan (SWPPP), installation of best management practices (BMP), and compliance with documentation.
- F. Notification to permit holders and compliance with permitting requirements as outlined in Appendix G.

New structure foundations will consist of driven pipe piles with welded anchor bolt plates for steel poles.

Relocating conductors will involve cutting, splicing and adding new lengths as needed. 138kV conductors are 795 kcmil, 26/7 ACSR "Drake" ((dia. = 1.108", wt. = 1.094 lbs/ft, rated breaking strength = 31,500 lbs).

The work shall be completed by June 19, 2025.

1.3 WORK

A. The Work consists of all obligations, duties, and responsibilities necessary to the successful completion of the Contract assigned to or undertaken by the Contractor under the Contract Documents, including all labor, materials, equipment, and other incidental operations to provide a complete facility, and the furnishing thereof.

1.4 CONTRACTOR USE OF PREMISES

The Contractor shall:

- A. Limit the use of the premises to Work, storage of project materials and equipment, and access.
- B. Coordinate use of premises under direction of Chugach.
- C. Obtain and pay for use of additional storage and Work areas needed for operations under this Contract.
- D. Furnish all temporary utilities and sanitary facilities, temporary controls, and construction facilities at the site for construction purposes and comply with all local, state, and federal codes, regulations, and laws. No additional compensation will be made for costs associated with the foregoing.
- E. Install and maintain all temporary erosion and pollution control measures and other best management practices (BMPs) as required by the SWPPP.

Measures other than those specifically identified as paid for in a specific Bid Unit are considered incidental to the cost of the affected unit. No additional compensation will be paid for SWPPP related activities. The project may be subject to periodic inspection by Chugach Environmental personnel to ensure adequate measures are being utilized.

F. Install and maintain silt fence and all best management practices (BMP) required in all areas affected by any construction activity. Cost of providing all measures required for SWPPP, measures other than those specifically identified as paid for in a specific Bid Unit are considered incidental to the cost the affected unit. No additional compensation will be paid for SWPPP related activities

1.5 PERMITS AND LICENSES

A. Except as otherwise provided in the Contract Documents (Appendix G), the Contractor shall procure all permits and licenses, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the Work. Copies of all permits related correspondence as well as the permits are to be transmitted to Chugach.

1.6 SUPPLEMENTARY INSTRUCTIONS TO CONTRACTORS

- A. Substitutions and Product Options:
 - 1. At time of bidding, unless otherwise specified in the Specifications, Contractor may, on an "approved equal" or substitution-basis, propose other equipment that he considers comparable with or superior to the specified items. In the absence of a listing of such equipment, it will be assumed that the Contractor intends to furnish the items as specified.
 - 2. Bidder shall provide sufficient information and data necessary for a full evaluation of any equipment proposed on an "approved equal" or substitution-basis. At a minimum, information shall include complete description, physical dimensions, manufacturer's name and model number, price, time for delivery, and a specific listing of any characteristics which differ from those specified and could require engineering changes to equipment, buildings, structures, and services. Failure to supply adequate or accurate information may result in rejection of Bidder's proposal.
 - 3. The determination of the suitability of "approved equals" or substitutions for the service intended, and final acceptance thereof, shall be by Chugach. The successful Contractor shall be liable for the cost of any subsequent engineering changes that are clearly

- attributable to negligence on the part of the Contractor to furnish proper information with his proposal.
- 4. If any revisions to Drawings or Specifications are required to conform equipment, materials, or work to national, state, and local laws, codes, ordinances, and regulations; Contractor shall give notice when submitting its bid and include a statement listing the additions to or deductions from the bid price required by the revisions.
- 5. If the Bidder fails to give notice, it shall provide the equipment, materials, and Work as intended by the above without extra cost to Chugach.

B. Surveys

All surveys shall be performed as specified in Section 3 of these "Special Provisions."

MEASUREMENT AND PAYMENT

2.1 SECTION INCLUDES

- Measurement Methods
- Measurement by Weight
- Lump-Sum Measurement

2.2 MEASUREMENT METHODS

- A. Measurement methods specified in the Bid Schedule of the Contract shall govern if they differ from methods specified in this Section.
- B. The Contractor shall compute all quantities and submit calculations for approval by Chugach. Where necessary, such computations shall be based upon surveys performed by the Contractor as specified by the Special Provisions in Section 3, part 3.4 Field Engineering.
- C. All costs in connection with the Work specified herein will be considered to be included with the related item of Work in the Bid Schedule, or incidental to the Project.
- D. Measurement Standards: All Work to be paid for at a Contract price per unit of measurement shall be measured by Chugach in accordance with United States Standard Measures.

2.3 MEASUREMENT BY WEIGHT

A. Material to be measured and paid for by weight and not measured by handbook weights, shall be weighed on accurate, State of Alaska approved scales, furnished by and at the expense of the Contractor. A ton is defined as 2,000 pounds avoirdupois.

2.4 LUMP-SUM MEASUREMENT

- A. Lump-sum measurement shall be for the entire item, unit of Work, structure, or combination thereof, as listed in the Bid Schedule.
- B. If the Contractor requests progress payments for lump-sum items or amounts in the Bid Schedule, such progress payments will be made in accordance with a well-balanced, detailed program of payment-apportioning, prepared by the Contractor and submitted to Chugach for approval.

- C. Such program for each applicable lump-sum item shall show estimated quantities and unit prices therefore as allocated by the Contractor to the different features of the Work and major subdivisions thereof. The summation of extensions of quantities and unit prices and related costs shall total, in each case, the exact amount to be paid under the lump-sum Contract Price for the item.
- D. Such programs will be used for computing progress payments as provided herein but will not be used to determine the amount of the final payment for the Work of this Contract. Final payment will be based on actual percentage of Work completed by the Contractor.

COORDINATION, OUTAGES, FIELD ENGINEERING AND PROJECT DOCUMENTS

3.1 SECTION INCLUDES

- Coordination
- Outages
- Field Engineering Surveys
- Field Engineering Other
- Project Record Documents

3.2 COORDINATION

- A. Contractor shall coordinate scheduling, submittals, and Work for the various activities with Chugach to assure efficient and orderly sequence of installation of interdependent construction elements.
- B. Chugach's system operation may require other crafts to perform work at or near this project. Contractor shall coordinate activities with Chugach's site representative to avoid delays and interference.
- C. After Chugach occupancy of premises, coordinate access to site with Chugach for correction of defective Work and Work not in accordance with Contract documents.
- D. The Contractor is responsible for coordinating with all utilities for locates.

3.3 OUTAGES

- A. All work around and near energized facilities shall be coordinated with Chugach's Power Control Center. The Contractor shall take all required measures to ensure safety of personnel and existing facilities.
- B. Switching will be completed by Chugach.
- C. Outages must be scheduled a minimum of five (5) Chugach working days in advance of the outage and be approved by Chugach. Outage requests shall be entered through the computerized "Integrated Transmission Outage Application (ITOA)".
- D. The Contractor shall indicate all outages in its construction schedule and work plan.

3.4 FIELD ENGINEERING - SURVEYS

A. Scope

- 1. The Contractor shall furnish all labor, equipment, materials and services to perform all surveying and staking for the construction survey and post-construction as-built survey for the transmission line relocation. The Contractor is responsible for orientation and alignment.
- 2. The Contractor shall locate and protect survey control and reference points.
- 3. All work shall be performed under the supervision of a Land Surveyor registered in the State of Alaska and acceptable to Chugach.
- 4. Activities of the Surveyor are to be restricted to within the right-of-way. Obtain written permission for ingress and/or egress to the right-of-way where access to the right-of-way is across private property. Obtain written permission for use of private property by the Surveyor for parking or other work performed by the Surveyor that are not completely within the right-of-way provided for the project. Permission must be granted in a written agreement between the property owner and the Surveyor that holds Chugach Electric Association, Inc., harmless from any act of the Surveyor.

B. Accuracy of Data

- 1. All horizontal control surveys shall be a minimum of Third Order, Class I accuracy, (1:10,000), as defined by U.S. Department of Commerce, National Oceanic and Atmospheric Administration.
- 2. All horizontal control surveys required for the Work shall be based upon NAD83 CORRS, with final coordinates in NAD83 feet and the appropriate zone.
- 3. Vertical coordinates shall be based on MOA vertical datum.
- 4. All Distances shall be recorded to the nearest hundredth of a foot. All angles shall be recorded in degrees, minutes and seconds.
- 5. All survey work and deliverables shall conform to Chugach CAD/GIS Spacial Data Standards (Appendix E).

C. Field Notes

- 1. Field notes of all horizontal and vertical control surveys shall be recorded in a clear and legible manner in notebooks and shall be fully indexed.
- 2. The notes must be uniform in character and interpretable and usable with ease by anyone having knowledge of surveying.
- 3. The notes shall contain descriptions and sketches of existing control used for origin and closure and the control monuments established by this survey.
- 4. All field notes shall be reduced by the Surveyor.
- 5. Copies of all field notes shall be provided to Chugach.

D. Construction Survey

- 1. Chugach will furnish Plan and Profile drawings, Staking Sheets and Right-of Way drawings that shall be used to assist in staking facility locations. The surveyor shall establish centerline for new construction using information from the aforementioned drawings. The Contractor shall immediately notify Chugach of any discrepancies that occur during the survey process. Structure centerlines shall not deviate from their design locations.
- 2. All survey work required to confirm alignment of direct embedment structures shall be included in the construction survey.
- 3. For all new structure locations, a wood stake labeled with the new structure number, station, and structure type shall be driven at the structure location on the project centerline. In addition, stakes shall be driven and labeled with the type of facility to be installed and off-set distance from the project centerline at all pole and guy anchor locations (for poles include pole length and class).
- 4. In the event these criteria cannot be met, the Surveyor shall immediately notify Chugach through the Contractor.

E. Post-Construction As-Built Survey

- 1. After the project is constructed, an as-built survey shall be completed. The as-built survey shall be directly related to the centerline established during the construction survey. All new and relocated electrical facilities shall be located.
- 2. Deliverable Products:

- a. The basis of horizontal and vertical control shall be shown on the drawing or referenced and described in appropriate notes.
- b. The as-built location survey drawings shall be produced using AutoCAD Map 3D 2023 or higher. The drawings shall be prepared in accordance with Chugach Drawing Standards provided in Appendix E.
- c. The drawings shall show the centerline of the overhead transmission line and each edge of the right-of-way, stationing at the P.I.'s, bearings and distances between P.I.'s, monuments found or set, property lines and surveyed section lines that intersect the right-of-way and all improvements within the right-of-way.
- d. In addition to Item c above, show the following information on drawings for each transmission structure:
 - (1) Station and offset in feet from project centerline to center of each pole and guy anchor rod.
 - (2) Each transmission structure shall have a horizontal and vertical coordinate shown on the survey either at the structure or in a table referencing the structure number. Coordinates shall be from the structure's location on the project centerline. In addition, the lowest wire shall be survey.
- e. The drawings shall be constructed by the Surveyor in accordance with the following requirements:
 - (1) All line work and lettering must be of professional quality and all line widths and lettering sizes must be of such size that all information can be clearly shown without overlap or confusion.
 - (2) When more than one (1) sheet is required, an index sheet must be added showing the entire parcel, with the sheets in numerical order, and each sheet showing the sheet number and total number. When more than one (1) sheet is submitted, only the last needs to have the approval certificates, but all sheets must be the same size.

- (3) The drawings must be in an appropriate engineering type scale of one (1) inch representing a multiple of 100 feet.
- (4) Details, as necessary, must be shown at an appropriate indicated scale.
- (5) The drawings must have a vicinity map in the upper right-hand corner. The vicinity map shall be at least four (4) inches on each side with a scale of one (1) inch representing one mile, showing sections, township and ranges, boundaries such as national forest or municipal boundaries, and other prominent physical or natural features such as roads, lakes, or rivers. The source of the base map must also be indicated.
- (6) Nomenclature of the survey needs appear in the block only, unless the division specifically states otherwise.
- (7) The basis of bearings must be indicated. Bearings shown must be true bearing as oriented to the basis of bearing, and distances must be in the foot unit reduced to the true horizontal equivalent.
- (8) Bearings and distances must be shown within the accuracy commensurate with the class of survey being represented, boundary line distances must be shown from monument to monument.
- f. In addition to a signed, stamped paper copy of the drawings, an email copy will be submitted to Chugach, or file uploaded to Chugach's ShareFile folder.
- F. The Contractor shall submit a certificate signed by the Land Surveyor that the elevations and locations of the Work are in conformance with the Contract Documents.

3.5 GEOTECHNICAL REPORT

- A. A Geotechnical Report was developed for the International Transmission Substation project in 2010 and is included in Appendix F.
- B. Geologic assessments were conducted for design purposes and are not considered adequate for construction purposes. Chugach does not represent that the report shows completely all the existing subsurface

conditions and does not guarantee any interpretation of the report, or the correctness of any information included in the report, or the correctness of any information included in the Contract Documents relative to subsurface conditions. Contractor must assume all responsibility for deductions and conclusions made as to the nature of the materials to be excavated, penetrated, and of doing other construction affected by subsurface conditions at the Project site. If so desired, Contractor may perform additional investigations if properly coordinated with Chugach. Such investigations will be made at no additional cost to Chugach.

3.6 PROJECT RECORD DOCUMENTS

A. As-Built Drawings

- 1. Maintain on the Site two (2) separate sets of marked-up full-scale Contract Drawings and Staking Sheets indicating as-built conditions. These drawings shall be maintained in a current condition at all times until completion of the Work and shall be available for review by Chugach at all times. All variations from the Contract Drawings, for whatever reason, including those occasioned by modifications, optional materials, and the required coordination between trades shall be indicated. These variations shall be shown in the same general detail utilized in the Contract Drawings. Coordinate changes with Chugach's site representative. Upon completion of the Work, the marked-up drawings shall be furnished to Chugach for incorporation into final as-built drawings.
- 2. Store Record Documents separate from documents used for construction.
- 3. Record information concurrent with construction progress.

B. Sag Reports

- 1. Submit two (2) copies of the Sag Report for each circuit and line section to Chugach's Representative not later than three (3) days after completion of sagging. See Appendix C for a blank Sag Report.
- 2. Data shall be gathered and entered on the Sag and Tension Record by the Contractor. The Sag and Tension Record shall be signed by the Contractor and countersigned by Chugach's Representative upon completion of sagging.

SUBMITTALS AND SCHEDULES

4.1 SECTION INCLUDES

- Submittal Procedures
- Plan of Construction
- Construction Progress Schedules
- Shop Drawings
- Product Data
- Samples
- Manufacturer's Instructions
- Manufacturer's Certificates

4.2 SUBMITTAL PROCEDURES

The Contractor shall submit pertinent data as required in other parts of these Contract Documents for Chugach's approval:

- A. Transmit each submittal with Chugach-accepted form.
- B. Sequentially number the transmittal forms. Resubmittals are to have the original submittal number with an alphabetic suffix.
- C. Identify Project, Contractor, Subcontractor or Supplier, pertinent drawing sheet and detail number(s), and Specification section number, as appropriate.
- D. Apply Contractor's stamp, signed or initialed, certifying that review, verification of products required, field dimensions, adjacent construction Work, and coordination of information is in accordance with the requirements of the Work and Contract Documents. Chugach will not review submittals until the Contractor has reviewed them.
- C. Schedule submittals to expedite the Project and deliver to Chugach. Coordinate submission of related items. Allow seven (7) calendar days for Chugach's and Engineer's review.
- F. If substitutions become necessary after Contract award and initial approval of Contractor furnished materials, the contractor shall submit all information as required in the bid and include a detailed explanation as to causes for the substitution.
- G. Provide space on submittals for Contractor's and Chugach's review stamps.

- H. Revise and resubmit submittals as required, identify all changes made since previous submittal.
- I. Distribute copies of approved submittals to concerned parties. Instruct parties to promptly report any inability to comply with provisions.
- J. No material and/or procedure requiring Chugach's approval shall be used or implemented until such approval has been given.

4.3 PLAN OF CONSTRUCTION

- A. A detailed Plan of Construction shall be submitted with the bid and shall include:
 - 1. The name of all proposed subcontractors and work to be performed.
 - 2. A representative list of projects over the last five (5) years in which similar construction, access, and terrain conditions as this project were involved.
 - 3. A detailed plan indicating how the contractor plans to execute the project work. At a minimum, the work plan shall indicate:
 - a. Where the contractor plans to stage materials for the project.
 - b. Access sites to be developed.
 - c. Planned outages and work to be accomplished during each outage.
 - d. Equipment intended for use on the project.
 - 4. Chugach intends for project work to begin in mid-2025 Project work includes incidental clearing activities, foundation preparation, material staging and equipment mobilization. The work plan shall be prepared in accordance with this constraint.

4.4 CONSTRUCTION PROGRESS SCHEDULES

- A. A schedule shall be submitted with the bid and include the planned duration of the following major construction groups.
 - 1. Mobilization of Equipment and Materials to Site
 - 2. Surveying

- 3. Pre-outage work
- 4. Pile Driving
- 5. Retirement
- 6. Structure Installation
- 7. Insulator Assembly Installation
- 8. Conductor Installation
- 9. All Outages with Duration
- 10. Clean-up

The schedule shall note manpower loading and cash flow. The schedule shall be submitted using a Microsoft Project format. The schedule shall be saved to a baseline and submitted electronically.

- B. Contractor shall incorporate the completion dates into its schedule. All work shall be completed by June 19, 2025. Liquidated damages in the amounts noted in the Invitation to Bid will be assessed for failure to meet the completion dates due to circumstances under the control of the Contractor. Liquidated damages will be assessed for each day beyond the completion date the Work specified is incomplete.
- C. Within five (5) working days of award, the Contractor shall submit an updated construction schedule for approval by Chugach. The construction schedule shall be updated to include cash flow on a weekly basis for each individual Bid Unit and planned percent complete by task and overall project.
- D. The basic construction schedule (data on planned performance) shall not be changed without Chugach's concurrence.

4.5 SHOP DRAWINGS

The Contractor shall:

- A. Submit shop drawings in Electronic Form.
- B. After review by Chugach, distribute in accordance with Submittal Procedures above and upon completion of Project, provide copies for Record Documents described in Special Provisions, Section 8 Contract Closeout.

4.6 PRODUCT DATA

The Contractor shall:

A. Submit product data in electronic form.

- B. Mark each copy to identify applicable products, models, options, and other data. Supplement manufacturer's standard data to provide information unique to the Project.
- C. After review, distribute in accordance with Submittal Procedures above and provide copies for Record Documents described in Special Provisions, Section 8 Contract Closeout.

4.7 SAMPLES

The Contractor shall:

- A. Submit samples to illustrate functional and aesthetic characteristics of the product with integral parts and attachment devices. Coordinate sample submittals for interfacing Work.
- B. Include identification on each sample with full product information.
- C. Submit the number or samples specified in individual Specification sections, one of which will be retained by Chugach. Reviewed samples that may be used in the Work are indicated in individual Specification sections.

4.8 MANUFACTURER'S INSTRUCTIONS

The Contractor shall:

- A. When specified in individual Specification sections, submit manufacturer's printed instructions for delivery, storage, assembly, installation, start-up, adjusting, and finishing, in quantities specified for product data.
- B. Identify conflicts between manufacturers' instructions and Contract Documents. Notify Chugach in a timely manner to allow resolution of the conflicts without impact on the project completion.

4.9 MANUFACTURER'S CERTIFICATES

The Contractor shall:

- A. When noted in individual Specification Sections, submit manufacturer's certificates in quantities specified for product data.
- B. Indicate material or product as it conforms to or exceeds specified requirements. Submit supporting reference data, affidavits, and certifications as appropriate.

C. Certificates may be recent or previous test results on material or product but must be acceptable to Chugach.

CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

5.1 SECTION INCLUDES

- Temporary Utilities
- Construction Facilities

5.2 TEMPORARY UTILITIES

The Contractor shall:

- A. Supply all temporary electric power required for construction of the project.
- B. Provide and maintain adequate lighting for construction operations at all times.
- C. Obtain potable water as needed for the Work.
- D. Provide sanitary facilities at the site as required by law or regulation.

5.3 CONSTRUCTION FACILITIES

A. Protection of Installed Work

The Contractor shall:

- 1. Protect installed Work and provide special protection where specified in individual Specification sections.
- 2. Provide temporary and removable protection for installed products. Control activity in immediate work area to minimize damage.

B. Barriers

The Contractor shall:

- 1. Provide barriers to prevent unauthorized entry to construction areas and to protect existing facilities and adjacent properties from damage from construction operations.
- 2. Protect stored materials, site, and structures from damage.

C. Security

1. Provide security and facilities to protect Work from unauthorized entry, vandalism, or theft.

D. Parking

1. All parking shall be on right-of-way or in areas that the Contractor has obtained approval to park.

E. Cleaning

- 1. Maintain areas free of waste materials, debris and rubbish. Maintain Site in a clean and orderly condition.
- 2. Remove waste materials, debris and rubbish from site weekly and dispose off-site in compliance with all local, State and Federal regulations.
- 3. The Contractor shall be responsible for all equipment washing required to prevent the spread of invasive species and shall provide all facilities as required. This requirement is inclusive in the cost of the contract and no further compensation shall be offered by Chugach.
- 4. All access point/road intersections shall be kept free from dirt and debris. Clean-up and maintenance of intersections shall be the responsibility of the Contractor and performed as directed by the Chugach representative or Project Engineer.

G. Traffic Control

1. Traffic control plans are considered incidental to the cost of the contract and no further compensation will be offered by Chugach.

H. Removal of Utilities, Facilities and Controls

- 1. Remove temporary above grade or buried utilities, equipment, facilities, materials prior to final inspection.
- 2. Clean and repair damage caused by installation or use of temporary Work.

MATERIAL AND EQUIPMENT

6.1 SECTION INCLUDES

- Material and Equipment Quantities
- Products
- Transportation and Handling
- Storage and Protection

6.2 MATERIAL AND EQUIPMENT QUANTITIES

A. Material and equipment quantities shown on drawings are the engineer's best estimate and shall be verified by the Contractor. Discrepancies shall be brought to Chugach's attention and conflicts resolved in a timely manner so to not interfere with scheduled completion of the work.

6.3 PRODUCTS

- A. Products: Means new material, machinery, components, equipment, fixtures, and systems forming the Work. Products do not include machinery and equipment used for preparation, fabrication, conveying and erection of the Work. Products may also include existing materials or components authorized for reuse.
- B. The Contractor shall not reuse materials, except as specifically permitted by the Contract Documents.

6.4 TRANSPORTATION AND HANDLING

The Contractor shall:

- A. Exercise due care in the handling of all materials. Transport and handle products in accordance with manufacturer's instructions.
- B. Promptly inspect shipments to assure that products comply with requirements, quantities are correct, and products are undamaged.

6.5 STORAGE AND PROTECTION

The Contractor shall:

- A. Store and protect products in accordance with manufacturer's instructions, with seals and labels intact and legible. Store sensitive products in weather-tight, climate-controlled enclosures.
- B. For exterior storage of products, put on sloped supports above ground.
- C. Provide off-site storage and protection when Site does not permit on-site storage or protection.
- D. Cover products subject to deterioration with impervious sheet covering. Provide ventilation to avoid condensation.
- E. Store loose granular materials on solid flat surfaces in a well-drained area. Prevent mixing with foreign matter.
- F. Provide equipment and personnel to store products by methods to prevent soiling, disfigurement, or damage.
- G. Arrange storage of products to permit access for inspection. Periodically inspect to ensure products are undamaged and are maintained under specified conditions.
- H. Provide security measures to prevent the theft or vandalism of stored materials and installed facilities. Security of the Work and materials is the responsibility of the Contractor. The cost of all security measures is inclusive in the cost of the contract and no further compensation will be paid by Chugach.

CHUGACH FURNISHED MATERIAL

7.1 SECTION INCLUDES

- Chugach Furnished Material
- Transfer of Material
- Damage to Chugach Furnished Material
- Installation of Chugach Furnished Material

7.2 CHUGACH FURNISHED MATERIAL

- A. All owner furnished material is listed in the "List of Owner Furnished Materials." If material does not appear on this list, the Contractor shall provide it.
- B. The costs associated with the Owner Furnished Material listed represent original costs to Chugach and may or may not be replacement costs.
- C. The Contractor shall include the Chugach furnished materials for this project in its insurance posted for the work.

7.3 TRANSFER OF MATERIAL

- A. Coordinate with Chugach for transfer and transportation of Chugach-furnished materials and equipment.
- B. Chugach furnished materials, and equipment may have been previously unpackaged for inspection. The Contractor shall repackage the material and equipment as necessary for transport and storage, subject to the approval of Chugach.
- C. Chugach will load Chugach furnished materials from the Chugach Warehouse weighing less than 9,000 pounds onto Contractor's trucks. The Contractor shall be responsible for loading all Chugach furnished materials from the Chugach Warehouse weighing more than 9,000 pounds.
- D. After the acceptance of Chugach furnished items, the Contractor shall place them at the point of installation or in areas provided by the Contractor. Chugach may direct that certain item be stored in heated storage buildings. The Contractor is responsible for transporting Chugach furnished material from the specified storage location to the jobsite. The Contractor is responsible for off-loading Chugach furnished material at the jobsite.

E. After acceptance, Chugach furnished items are the Contractor's responsibility. The Contractor shall appropriately store and protect all Chugach furnished items upon acceptance.

7.4 DAMAGE TO CHUGACH FURNISHED MATERIAL

A. The Contractor shall repair or replace any Chugach furnished items damaged by the Contractor's handling and storage at no additional cost to Chugach.

7.5 INSTALLATION OF CHUGACH FURNISHED MATERIAL

- A. Except as otherwise specified, installation Work shall be the responsibility of the Contractor and all mistakes in installation and damage shall be corrected at no cost to Chugach.
- B. The Contractor will not be held liable for faulty manufacture of Chugach furnished items or for mistakes in the manufacturer's drawings.

CONTRACT CLOSEOUT

8.1 SECTION INCLUDES

- Closeout Procedures
- Closeout Documents
- Final Clean-up

8.2 CLOSEOUT PROCEDURES

- A. Notify Chugach to perform a preliminary inspection for the purpose of determining the state of completion of the Work. Contractor shall notify Chugach at least seven (7) days in advance of the time this inspection is to be performed. From the information gathered from this inspection, Chugach will prepare a punch list of Work to be performed, corrected, or completed before the project will be accepted. The Contractor, prior to final inspection, shall complete all Work on the punch list.
- B. Contractor shall accompany Chugach and their representatives on the final inspection tour as well as any principal subcontractors that Chugach may request to be present.
- C. If the Work has been completed in accordance with the Contract Documents and no further corrective measures are required, Chugach will issue a Certificate of Completion and will accept the project.

8.3 CLOSEOUT DOCUMENTS

A. Provide and sign all documents and as-built drawings per the OELCC and as specified in the Contract Documents.

8.4 FINAL CLEAN-UP

A. The Contractor shall maintain the site in a clean and orderly condition. All equipment, packaging materials, temporary facilities, retired facilities, etc., shall be removed within 10 working days of construction completion.