



**Department of Corrections**  
Division of Administrative Services  
Anchorage Procurement Section  
550 W. 7<sup>th</sup> Avenue, Suite 1800  
Anchorage, AK 99501

## **Request For Proposal**

Date of Issue: **April 3, 2018**

*Project No., Name, & Location:*

**Project # 170011736**

## **Electrical Safety Program**

**Alaska Correctional Facilities  
STATEWIDE**

Gary Bailey  
Procurement Officer  
Department of Corrections

Dan Aicher  
Facilities Manager/Project Manager  
Department of Corrections

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STATE OF ALASKA  
DEPARTMENT OF CORRECTIONS

## REQUEST FOR PROPOSALS

For Construction Contract  
Competitive Sealed Proposals - AS 36.30.200(b)

Date: 4/3/2018

### Electrical Safety Program Alaska Correctional Facilities - STATEWIDE Project No. 170011736

Location of Project: Statewide, Alaska

Contracting Officer: Dan Aicher, Facilities Manager

Issuing Office: Department of Corrections

State Funded  Federal Aid

Description of Work:

This state funded project consists of doing an Electrical Safety Program at various correctional facilities statewide. Work completion for this project is 180 days after NTP issued.

The Engineer's Estimate is between \$300,000 to \$600,000.

All work shall be substantially completed within 180 days from the date of Notice to Proceed.

Proposers are invited to submit proposals consisting of a Price Proposal and a Technical Proposal (See Section 00022) for furnishing all labor, equipment, travel, and materials for performing all work for this project described above. Both Price Proposals and Technical Proposals must be received not later than **2:00 p.m. local time**, at the office of the Procurement Officer as indicated below, on **April 24, 2018**. See Sections 00021, 00022, and 00023.

#### SUBMISSION OF PROPOSALS

ALL PROPOSALS, INCLUDING ANY AMENDMENTS OR WITHDRAWALS, MUST BE RECEIVED PRIOR TO THE DATE AND TIME STATED. PROPOSALS SHALL BE SUBMITTED ON THE FORMS FURNISHED AND MUST BE IN A SEALED ENVELOPE MARKED AS FOLLOWS:

**Proposal for Project:**

**Electrical Safety Program**  
Statewide - Alaska Correctional Facilities  
Project No. 170011736

**ATTN:**

State of Alaska  
Department of Corrections  
550 W. 7<sup>th</sup> Ave. Suite 1800  
Anchorage, AK 99501

Proposals, amendments, modifications or withdrawals transmitted by mail must be received by the department prior to the scheduled time of proposal opening. Hand-delivered Proposals, amendments, or withdrawals must be received by Evan Patterson, Procurement Officer, Procurement Section, 550 W. 7<sup>th</sup> Ave., Suite 1800, Anchorage, AK 99501, prior to the scheduled date and time specified. Faxed bid amendments must be addressed to Gary Bailey, Procurement Officer, phone number 907-269-7344 and fax number: 907-269-7345. Proposals are not publically opened therefore a public bid opening will not be held. The department will accept amendments, modifications and withdrawals by email, and must be received prior to the proposal deadline. **EMAILED PROPOSALS WILL NOT BE ACCEPTED.**

*A bid guaranty is required with each bid in the amount of 5% of the amount bid. (Alternate bid items as well as supplemental bid items appearing in the bid schedule shall be included as part of the total amount bid when determining the amount of bid guaranty required for the project.)*

The Department hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this solicitation, Disadvantaged Business Enterprises (DBEs) will be afforded full opportunity to submit bids and will not be discriminated against on the grounds of race, color, national origin, or sex in consideration for an award.

## NOTICE TO PROPOSERS

Proposers are hereby notified that data to assist in preparing Proposals is available as follows:

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The Request for Proposals may be requested, at no charge but only one copy will be provided for no charge, additional copies will be provided at \$50.00 each can be picked up at: State of Alaska, Department Corrections, 550 W 7<sup>th</sup> Ave., Suite 1800 Anchorage, AK 99501 or call 907-269-7344, for further assistance if needed.

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**All questions relating to the design features, constructability, or other technical aspects of the project** should be directed to the following person listed below. Proposers requesting assistance in viewing the project must make arrangements as per section 00800 Proposal Site Visit.

**Dan Aicher**, Facilities Manager      Phone: (907) 269-7358

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**All questions concerning the Request for Proposal (RFP) or other procedures must be directed to:**

**Gary Bailey, Procurement Officer**

[gary.bailey@alaska.gov](mailto:gary.bailey@alaska.gov)

Phone: (907) 269-7344

Department of Corrections

550 W 7<sup>th</sup> Ave, Suite 1800

Anchorage, AK 99501

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### OTHER INFORMATION:

**DRAWINGS:** Project drawings must be securely held by the Proposer. 11" x 17" project drawings will be included in the RFP document.

**PRE-PROPOSAL & SITE VISIT MEETING/S:** Pre-Proposal meeting is scheduled for **April 13, 2018 at 10AM** at the Atwood Building, first floor Room# 102. Pre-Proposal site visits are scheduled please refer to section 00800 for more details.

**QUESTION DEADLINE:** Proposers must submit any questions regarding the project to the department no later than **April 16, 2018 @ 2:00 PM AST.**

**PROPRIETARY INFORMATION:** Proposers should not include proprietary information in proposals if such information should not be disclosed to the public. Any language within a submittal purporting to render all or portions of a proposal confidential will be disregarded. Proprietary information which may be provided after selection for contract negotiations will be confidential if expressly agreed to by the Contracting Agency (AS 36.30.230).

**COST INCURRED PRIOR TO CONTRACT:** Proposers are specifically advised that a contract shall not be in effect until a written agreement is fully executed by an authorized agent of the Contracting Agency. The Contracting Agency shall not be liable for any cost incurred by a Proposer in response to this solicitation, including any work done, even in good faith, prior to execution of a contract and issuance of a Notice to Proceed.

**MINOR INFORMALITIES:** The Contracting Agency expressly reserves the right to waive minor informalities, negotiate changes or reject any and all proposals and to not award the proposed contract, if in its best interest of the Department or the State of Alaska. "Minor Informalities" means matters of form rather than substance which are evident from the submittal, or are insignificant matters that have a negligible effect on price, quantity, quality, delivery, or contractual conditions and can be waived or corrected without prejudice to other Offerors (2 AAC 12.990).

**REMINDER:** Alaska Statute AS 36.30.110 requires all Proposers to have a valid Alaska Business License and an Alaska Contractor's Certificate of Registration prior to submitting Proposals.

# NOTICE TO PROPOSERS

See below links for further information:

## **Pamphlet 600: Laborers' & Mechanics' Minimum Rates of Pay**

<http://labor.state.ak.gov/lss/pamp600.htm>

## **Pamphlet 400: Title 36 Public Contracts & 8 AAC Chapter 30**

<http://labor.state.ak.gov/lss/forms/Pam400.pdf>

## **Notice of Work / Notice of Completion** (Required On All Projects Over \$25K)

You must submit these through "My Alaska" web link at <https://my.alaska.gov/> you must register if not already.

Once you have logged in, return to the home page under "Services for Businesses", click on "LSS-Online Filing Services".

<https://certpay.dol.alaska.gov/portal.aspx>

## **Employment Preference Determination** (July 1, 2017)

<http://labor.alaska.gov/lss/forms/2017-employment-pref-determination.pdf>

## **DOL Alaska Employment Preference Information**

<http://labor.alaska.gov/lss/forms/2015-employment-info-sheet.pdf>

## **Alaska Wage and Hour Administration Contact Information**

### Offices / Hours and Web links:

**Anchorage:** [Anchorage.lss-wh@alaska.gov](mailto:Anchorage.lss-wh@alaska.gov)

Phone: 907-269-4909

Fax: 907-269-4915

**Juneau:** [Juneau.lss-wh@alaska.gov](mailto:Juneau.lss-wh@alaska.gov)

Phone: 907-465-4842

Fax: 907-465-3584

**Fairbanks:** [Fairbanks.lss-wh@alaska.gov](mailto:Fairbanks.lss-wh@alaska.gov)

Phone: 907-451-2886

Fax: 907-451-2885

If you have questions or need further assistance please contact the Procurement Officer.

State of Alaska  
Department of Corrections  
**REQUEST FOR CLEARANCE**  
for  
Contractor/Contract Staff Background Checks

Date: \_\_\_\_\_

Applicant Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Purpose of this check: \_\_\_\_\_

Date of Birth: \_\_\_\_\_ Social Security # : \_\_\_\_\_

Alaska driver's license #: \_\_\_\_\_

Other states applicant has resided in and the dates: \_\_\_\_\_

Prior criminal history (including the state the offense occurred in) \_\_\_\_\_

Is applicant currently on probation or parole? \_\_\_\_\_ If yes, where? \_\_\_\_\_

Does applicant have any relatives or acquaintances presently incarcerated in Alaska or under the Dept. of Corrections supervision? \_\_\_\_\_ If yes, state the person's name/location: \_\_\_\_\_

Clearance requested by (Contractor): \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

The information that I have provided is true and accurate to the best of my knowledge. I authorize the Department of Corrections to perform a background investigation for any and all prior convictions or current warrants.

Signature of applicant: \_\_\_\_\_ Date: \_\_\_\_\_

Contractor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

\* \* \* \* \*

APSIN/WANTS:	Clear: _____	Wants: _____	See Attached: _____
NCIC/WANTS:	Clear: _____	Wants: _____	See Attached: _____
Criminal History Check (Alaska)	No record found: _____	See Attached: _____	
Criminal History Check (other states)	No record found: _____	See Attached: _____	

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Contract Oversight Officer/Superintendent,  
Division of Institutions

Request Granted: \_\_\_\_\_ Request Denied: \_\_\_\_\_

Reason for denial: \_\_\_\_\_

DOC Staff Signature/Title: \_\_\_\_\_ Date: \_\_\_\_\_



# PROPOSAL EVALUATION PROCEDURE

Proposals will be evaluated by a committee (2 AAC 12, Article 4). Scoring of proposals will be accomplished as follows:

1.1 Each Evaluator will individually read and rate Proposer's response to each criterion, except for Alaska Bidder (Offeror) Preference and Price Proposal as described under Evaluation Criteria (Section 00023). Ratings will be based solely on contents of proposals. Except as may be stated within any criterion description, a rating of "5" indicates the most responsive; ratings of "4-1" indicate progressively less responsiveness; and a rating of "0" indicates Non-responsive. Tie scores are permissible for evaluation criteria addressing schedule. Ratings are multiplied by the assigned weights for each criterion to obtain criterion scores.

1.2 After completion of individual ratings, the Evaluation Committee will meet to discuss proposals. Evaluators may then alter their ratings; however, any changes shall be based solely on the Evaluation Criteria set forth in the RFP. Additional criteria may not be considered. (2 AAC 12.260(b)).

1.3 During the Evaluation Committee Meeting, Evaluators may discuss factual knowledge of, and may investigate Proposers' and proposed Subcontractors' prior work experience and performance, including projects referenced in proposal, available written evaluations, etcetera, and may contact listed references or other persons knowledgeable of a Contractor's and/or a Subcontractor's past performance. Factors such as overall experience relative to the proposed contract, quality of work, and ability to meet schedules may be addressed. If any issues of significant concern to the proposed contract are discovered, the Committee may:

- a. Provide written recommendations to the Contracting Officer for consideration prior to contract award;
- b. Recommend suspension of the Proposer from consideration for award of the contract if there is probable cause for debarment (AS 36.30.635); or
- c. Conduct discussions in accordance with paragraph 1.4, below.

1.4 The Committee may decide to conduct discussions (or "interviews") with responsible Proposers whose proposals are determined to be reasonably susceptible of being selected for award for the purpose of clarification to assure full understanding of, and responsiveness to, the solicitation requirements (AS 36.30.240 & 2 AAC 12.290). After discussions, Evaluators will determine the final scoring and ranking for award by evaluating written and oral responses using only the Evaluation Criteria set forth in the Project Manual. Additional criteria may not be considered. (2 AAC 12.260(b)).

1.5 The Contracting Agency will then open the Price Proposals in public and calculate scores for price in accordance with Section 00023.

1.6 All Proposers will be advised of the Proposer selected for award after completion of the evaluation process. A Notice of Intent to Award will be provided to all Offerors. **TECHNICAL AND PRICE PROPOSALS WILL NOT BE DISCLOSED TO THE PUBLIC OR TO COMPETING OFFERORS UNTIL AFTER A NOTICE OF INTENT TO AWARD IS ISSUED.**

(END OF SECTION 00021)

# SUBMITTAL CHECKLIST

Competitive Sealed Proposals- AS 36.30.200(b)

**Project Name:** Electrical Safety Program - Statewide

**Project No.:** 170011736

## EXAMINATION OF WORK SITE AND RFP

1. Proposers are expected to examine carefully the site of the proposed work and the RFP Documents before submitting a proposal. The submission of a proposal shall be considered prima facie evidence that the Proposer has made such examination and is satisfied as to the conditions to be encountered in performing the work and as to the requirements of the Contract Documents.

## PREPARATION OF PROPOSALS

2. Proposers must carefully review the RFP Documents for defects and questionable material and become familiar with submittal requirements before preparing proposals. Any explanation desired by Proposers regarding the meaning or interpretation of any of the project documents provided by the Contracting Agency must be requested in writing as indicated in the Request for Proposals (Document 00020). Substantive issues will be addressed in an addendum to all recipients on record as receiving the RFP Documents. Oral explanations or instructions given before the award of the contract will not be binding. Failure to comply with directions will result in lower score and may eliminate a submittal from consideration. Protests based upon any omission, error or content of this solicitation may be disallowed at the discretion of the contracting agency if the protest is not received in writing at least ten agency work days prior to the submittal deadline (2 AAC 12.615(a)).

3. Review all parts of the RFP Documents, and then focus on the following documents: RFP, this Submittal Checklist, Evaluation Criteria, and the Proposal Forms.

4. Review the Evaluation Criteria. Read the criteria in each section in light of the proposed project as portrayed in the RFP Documents. Be aware of the assigned weight for each criterion. Plan your proposal to address the applicable criteria. All criteria Responses shall not exceed the number of pages stated below.

5. Prepare a distinct Response for each criterion. Failure to respond directly to any criteria will result in an evaluation score of zero for that criterion. Acceptable Responses must be specific and directly related to the proposed project. Marketing brochures and photographs, federal standard forms 254 and 255, marketing resumes, and other non-project specific materials will be discarded without evaluation and should not be submitted.

6. Each criterion response must be titled, numbered and assembled in the order in which the criteria are listed in Section 00023, so the criterion to which information applies shall be plainly evident. Material not so identified or assembled may be discarded without evaluation. Responses shall be presented on 8" X 11" paper, except for a minimal number of larger sheets (e.g. 11"x17") that may be used for drawings & schedules if they are folded to 8" x 11" size. Larger sheets will be counted as one page in the page count. CAUTION: small print or typeface that is difficult to read will negatively influence evaluation of your submittal.

7. Complete all entries on the Price Proposal Form (Section 00310) and Contractor's Technical Proposal (Section 00313). Note the statutory requirements for Alaska Licenses and be sure to sign and date the Certification.

8. Attach criteria Responses (EXCEPT PRICE PROPOSAL) to the Contractor's Technical Proposal (Section 00313). The maximum number of attached pages (each printed side equals one page) for criteria Responses shall not exceed: 10 pages.

Page limit applies solely to the attachments to the Contractor's Technical Proposal form. CAUTION: Criteria Responses which exceed the maximum page limit or otherwise do not meet requirements stated herein may result in disqualification.

## PRICE PROPOSAL

9. Review the Price Proposal, Bid Schedule, and Bid Bond documents. Prepare a Price Proposal for all labor, materials, equipment and services necessary to complete the Work in the RFP Documents. Complete the three documents on the forms furnished, or copies thereof.

9.1 The Bid Schedule will provide for quotation of a price or prices for one or more contract items which may include unit price or lump sum items and alternative, optional or supplemental price schedules or a combination thereof which will result in a total proposed price for the work

9.2 Where required, Proposers must quote on all items and THEY ARE WARNED that failure to do so will disqualify

them. When quotations on all items are not required, Proposers should insert the words "no bid" in the space provided for any item not requiring a quotation and for which no quotation is made.

9.3 On unit price contracts Proposers shall also show the products of the respective unit prices and quantities written in figures in the column provided for the purpose and the total amount of the proposal obtained by adding the amounts of the several items. All the figures shall be in ink or typed.

9.4 When provided within the supplements to the bid schedule Proposers shall specify those Alaska Bidder, Product Preference and Alaska Veteran Owned Business preferences applicable to their proposal. All entries made by Proposers and designating applicable preferences must conform to the requirements of AS 36.30 and the instructions on the forms to warrant consideration.

9.5 Neither conditional nor alternative bids will be considered unless called for.

9.6 Unless specifically called for, telegraphic or telefacsimile bids will not be considered.

9.7 The Proposal forms must be signed with ink. If the Proposer is a corporation, the proposal shall be signed by an individual having authority to sign the contract. If the Proposer is a partnership, the proposal shall be signed by any authorized member of the partnership. If the Proposer is a sole proprietorship, the proposal shall be signed by the owner. Any erasure or change on the forms must be initialed by the person signing the proposal.

#### **ACKNOWLEDGEMENT OF ADDENDA**

10. The Price Proposal and Technical Proposal forms provide for acknowledgement individually of all Addenda to the RFP Documents. All addenda shall be acknowledged on these forms prior to the scheduled time for submittal of proposals. If no addenda are received, the word "NONE" should be shown as specified.

#### **REQUIRED DOCUMENTS**

11. Submittals shall consist of the following applicable items assembled as follows and in the order listed. Proposals will not be considered if documents are not completely filled out. Telegraphic or telefacsimile submittals are NOT acceptable.

11.1 Five (5) copies of Contractor's Technical Proposal Form Section 00313 (at least one copy with original signature) with attached responses to all Evaluation Criteria [**EXCEPT PRICE PROPOSAL**]. Each copy shall be fastened with one staple in the upper left corner. No other form of binding shall be used and no cover and no transmittal letter other than the Contractor's Technical Proposal form will be included. CAUTION: Failure to comply with this instruction will negatively influence evaluation of Submittal.

11.2 **One copy of** the Price Proposal (Section 00310), with the Bid Schedule (Section 00312), Alaska Products Preference Worksheet if claiming Alaska Products Preference (Section 00311), and Bid Bond (Section 00410) attached, with one staple in the upper left corner. The Price Proposal, Bid Schedule and Bid Bond shall be enclosed together in a separate sealed envelope marked on the outside to identify it as **PRICE PROPOSAL** and with the name of the Project and the Proposers name.

DO NOT place your Technical Proposal Form (Section 00313) in the sealed price proposal envelope.

11.3 **CAUTION:** If you replicate (other than by photocopy) any form in the Project Manual in lieu of filling out forms provided by the Contracting Agency, provide a signed certification that lists such forms and attests that they are exact replicas of that issued by the Contracting Agency. Changed forms may result in rejection at the Contracting Agency's discretion. Any alteration may be cause for rejection without recourse.

#### **DELIVERY**

12. Deliver **submittals in one sealed package** to the location and before the submittal deadline cited on page 1 of the Request for Proposals. Do not include in the package any proposals or bids for other projects. **Mark the outside of the package** to identify the Project and the Proposer. Proposals must be received prior to the specified date and time. Late proposals will not be opened (2 AAC 12.250).

#### **WITHDRAWAL OR REVISION OF BIDS**

13. A Proposer may withdraw or revise a proposal after it has been delivered to the Contracting Agency, provided that the request for such withdrawal or revision is received by the designated office, in writing, by telegram, or by telefacsimile, before the deadline time set for submittal of proposals. If the Price Proposal is to be changed, the telegraphic or telefacsimile modifications shall include both the modification of the unit bid price and the total modification of each item modified, but shall not reveal the amount of the total original or revised Price Proposal.

(END OF SECTION 00022)

# EVALUATION CRITERIA

Competitive Sealed Proposals - AS 36.30.200(b)

Project Name: **Electrical Safety Program - Statewide**

Project No.: **170011736**

## 1. Project Understanding and Methodology

1. Weight: 5

Response must **demonstrate your comprehension of the project objectives and requirements**. Identify any pertinent issues and potential problems related to the project. Describe the proposed methodologies to overcome potential problems to achieve project success.

Response must **outline the methods for accomplishing the proposed contract**. Describe what, when, where, how, and in what sequence the work will be done (schedule specifics are included in Criterion 4). Describe specific safety and precaution measures to protect inmates and staff during construction operations. Identify the amount and type of work to be performed by any Subcontractors. Consider how each task may be carried out; what services or interaction required from/with the Contracting Agency, Using Agency; etcetera.

Comments: \_\_\_\_\_ Score: \_\_\_\_\_

## 2. Project Management Plan

2. Weight: 5

Response must describe the administrative and operational structures that will be used for performing the proposed contract. For example consider: who will have overall responsibility for the contract? What will the lines of authority be? Describe how communications will be maintained between your Project Staff and the Contracting Agency. Explain how your team will be completely accountable.

Comments: \_\_\_\_\_ Score: \_\_\_\_\_

## 3. Experience and Qualifications

3. Weight: 20

Response must describe the **relevant qualifications and experience** of the prime contractor (offeror) and major subcontractors including experience on similar projects (such as Arc Flash Surveys) with contract values of \$400,000 or greater within the last 5 years. Describe the relevant qualifications and experience of key employees (of prime or subcontractors) who will actually perform the work. Describe the work to be performed by the individuals you name and detail their specific **qualifications and substantive experience directly related to the proposed contract, years of experience and jobs completed with similar size and scope**. A response prepared specifically for this proposal is required. Marketing resumes often include non-relevant information which may detract from the evaluation of your proposal. Lists of projects are not useful. Focus on individual's specific duties and responsibilities and how project experience is relevant to the proposed contract.

For each person named, identify their: employer, job classification, and state of residency. List at least 3 references (contact persons and telephone numbers) for each person.

If the team is composed of a prime and subcontractors, discuss any prior work relationships among the firms - in particular, regarding projects similar to this one. Discuss each firm's particular responsibilities for prior contracts that were similar to the work proposed in the Project Manual. Indicate which of the firms were involved in such contracts. For each contract, list the contracting entity and a reference (contact person and a telephone number).

Response must describe the prime contractor (offeror's) and major subcontractors' past performance, including conformance to specifications and standards of good workmanship, forecasting and containment of costs or prices, history of reasonable and cooperative behavior and overall concern for the interests of the using agency, and adherence to contract schedules.

Comments: \_\_\_\_\_ Score: \_\_\_\_\_

**4. Work Sequence and Project Schedule**

**4. Weight: 20**

A sequence of work is outlined in Section 01010 – Summary of Work. The project shall be completed in four phases. Phase 1 includes all Electrical Safety Program work on three (3) DOC Correctional Centers in Northern Region, AK. Phase 2 includes all Electrical Safety Program work on two (2) DOC facilities in Southeast Region, AK. Phase 3 includes all Electrical Safety Program work on two (2) DOC facilities on the Kenai Peninsula. Phase 4 includes all Electrical Safety Program work on seven (7) DOC facilities in Southcentral Region.

All work shall be Substantially Complete 120 days from the Notice to Proceed. Describe how you plan to meet or accelerate this schedule.

Comments: \_\_\_\_\_ Score: \_\_\_\_\_

**5. Alaska Bidder (Offeror) Preference**

**5. Weight: 10**

To be granted this preference:

**Response must certify that Offeror meets the following requirements per AS 36.30.170(b):**

- (A) Firm holds a current Alaska Business License;
- (B) Proposal is submitted under the name as appearing on the Firm's current Alaska Business License;
- (C) Firm has maintained a place of business within Alaska, staffed by the Firm or an employee of the Firm, for a period of six months immediately preceding the date of the offer;
- (D) Firm is incorporated or qualified to do business under the laws of the State of Alaska, is a sole proprietorship, and the proprietor is a resident of Alaska, is a limited liability company organized under AS 10.50 and all members are residents of Alaska, or is a partnership under AS 32.05 or AS 32.11 and all partners are residents of Alaska; and
- (E) If the Firm is a Joint Venture, it is composed entirely of entities that qualify under (A) - (D).

*Response will be scored: Rating x Number of Evaluators x Weight = Criterion Score. Rating will be as follows:*

*An Alaska Offeror's preference (i.e. a Rating of 5) will be assigned to the proposal of an Offeror who qualifies as an Alaska bidder using the criteria above.*

*No Alaska Offeror's preference (i.e. a Rating of 0) will be assigned to the proposal of an Offeror who does not certify that it qualifies as an Alaska bidder or who does not qualify as an Alaska bidder using the criteria above.*

Comments: \_\_\_\_\_ Score: \_\_\_\_\_

**6. Price Proposal**

**6. Weight: 40**

Provide a Price Proposal (as instructed by the Submittal Checklist) for all labor, subcontracts, equipment, expenses, etc., in compliance with the Project Manual. Submit a completed Price Proposal [Section 00310], the Bid Schedule [Section 00312] and Bid Bond [Section 00410].

The Price Proposal score will be calculated as follows:

$$\text{Criterion Score} = \frac{\text{Lowest bid price from all offerors X MPP}}{\text{Offeror's Bid Price}}$$

Wherein: For purpose of scoring, the **Bid Price** will be the Adjusted Basic Bid Amount as stated on the Bid Schedule, and,

The **MPP** (Maximum Possible Points) will equal (5) x (# of Evaluators) x (Weight assigned to Criterion).

Comments: \_\_\_\_\_ Score: \_\_\_\_\_

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

**INFORMATION TO PROPOSERS**

The Department is concerned over the manner in which proposals are submitted. Proposers are requested to study and follow the proposal assembly instructions as to the method and form for submitting proposals so there will be no reason to reject a proposal.

**EXAMINATION OF CONTRACT REQUIREMENTS**

Proposers are expected to examine carefully the Project Manual, Drawings, and all other documents incorporated in the contract to determine the requirements thereof before preparing proposals.

Any explanation desired by proposers regarding the meaning or interpretation of drawings and specifications must be requested in writing and with sufficient time allowed for a reply to reach them before the submission of their proposals. Oral explanations or instructions given before the award of the contract will not be binding. Any interpretation made will be in the form of an addendum to the Project Manual or Drawings and will be furnished to all proposers and its receipt by the proposer shall be acknowledged.

**CONDITIONS AT SITE OF WORK**

Proposers are expected to visit the site to ascertain pertinent local conditions such as the location, accessibility and character of the site, labor conditions, the character and extent of the existing work within or adjacent thereto, and any other work being performed thereon.

**PREPARATION OF PRICE BIDS**

- (a) Bids shall be submitted on the forms furnished, and must be manually signed in ink. If erasures or other changes appear on the forms, each such erasure or change must be initialed by the person signing the proposal.
- (b) The bid schedule will provide for quotation of a price or prices for one or more pay items which may include unit price or lump sum items and alternative, optional or supplemental price schedules or a combination thereof which will result in a total bid amount for the proposed construction.

Where required on the bid form, bidders must quote on all items and **THEY ARE WARNED** that failure to do so will disqualify them. When quotations on all items are not required, bidders should insert the words "no bid" in the space provided for any item not requiring a quotation and for which no quotation is made.

- (c) The bidder shall specify the price or prices bid in figures only. On unit price contracts the bidder shall also show the products of the respective unit prices and quantities written in figures in the column provided for the purpose and the total amount of the proposal obtained by adding the amounts of the several items. All the figures shall be in ink or typed. When provided within the supplements to the bid schedule the Bidder shall specify those Alaska bidder and product preferences applicable to their bid. All entries made by the Bidder and designating applicable preferences must conform to the requirements of AS 36.30 and the instructions on the forms to warrant consideration.
- (d) Neither conditional nor alternative bids will be considered unless called for.
- (e) Unless specifically called for, telegraphic or telefacsimile bids will not be considered.
- (f) Bid Schedule form should be enclosed in a separate sealed envelope and enclosed with all other bidding forms required at the opening.

**BID SECURITY**

All proposals shall be accompanied by a bid security in the form of an acceptable Bid Bond (Form 25D-14), or a certified check, cashier's check or money order made payable to the State of Alaska. The amount of the bid security is specified on the Request for Proposals.

Bid Bonds must be accompanied by a legible Power of Attorney.

If the proposer fails to furnish an acceptable bid security with the bid, the bid shall be rejected as nonresponsive. Telegraphic notification of execution of Bid Bond does not meet the requirements of bid security accompanying the bid. An individual surety will not be accepted as a bid security.

The bid securities of the two highest-scoring proposals will be held by the Department until the Contract has been executed, after which such bid securities will be returned. All other bid securities will be returned as soon as practicable.

If all proposals are rejected, all bid securities will be returned as soon as practicable.

### **PROPOSER'S QUALIFICATIONS**

Before a proposal is considered for award, the bidder may be requested by the Department to submit a statement of facts, in detail, as to his previous experience in performing comparable work, his business and technical organization, financial resources, and plant available to be used in performing the contemplated work.

### **SUBMISSION OF PROPOSALS**

Proposals must be submitted as directed on the Request for Proposals. Do not include in the envelope any proposals for other work.

### **ADDENDA REQUIREMENTS**

The bid documents provide for acknowledgement individually of all addenda to the drawings and/or specifications on the signature page of the Proposal. All addenda shall be acknowledged on the Proposal or by telegram prior to the scheduled time for receipt of Proposals. If no addenda are received by the proposer, the word "None" should be shown in the acknowledgment block.

Every effort will be made by the Department to insure that proposers receive all addenda when issued. Addenda will be issued to the individual or company to whom the Project Manual and Drawings were issued. Addenda may be issued by any reasonable method such as hand delivery, mail, telefacsimile, telegraph, or courier and in special circumstances by phone or e-mail. Addenda will be issued to the address, telefacsimile number or phone number as stated on the planholder's list unless picked up in person or included with the Project Manual and Drawings. It is the proposer's responsibility to insure that he has received all addenda affecting the Request for Proposals. No claim or protest will be allowed based on the bidder's allegation that he did not receive all of the addenda for an Request for Proposals.

### **WITHDRAWAL OR REVISION OF BIDS AND TECHNICAL PROPOSALS**

A proposer may withdraw or revise a bid or Technical Proposal after it has been deposited with the Department, provided that the request for such withdrawal or revision is received by the designated office, in writing, by telegram, or by telefacsimile, before the scheduled time.

Telegraphic or telefacsimile modifications shall include both the modification of the unit bid price and the total modification of each item modified, but shall not reveal the amount of the total original or revised bids.

### **RECEIPT AND OPENING OF BIDS AND TECHNICAL PROPOSALS**

- (a) All bids and Technical Proposals, including any amendment or withdrawal, must be received by the Department prior to the scheduled time. Any bid, amendment, or withdrawal which has not been actually received by the Department prior to the scheduled time will not be considered.
- (b) No responsibility will be attached to any officer or employee of the Department for the premature opening of, or failure to open, a proposal improperly addressed or identified.
- (c) The Department reserves the right to waive any technicality in proposals received when such waiver is in the interest of the State.

## **PROPOSERS PRESENT**

At the time fixed for bid opening, the scoring of the Technical Proposals will be announced and bids will be publicly opened and read for the information of bidders and others properly interested, who may be present either in person or by representative. The amount of the bid and the name of the proposer, and his Technical Proposal score shall be compiled and distributed as soon as possible after bid opening. Bids and Technical Proposals are not open for public inspection until after the Notice of Intent to Award is issued.

## **PROPOSERS INTERESTED IN MORE THAN ONE PROPOSAL**

If more than one proposal is offered by any one party, by or in the name of his or their clerk or partner, all such proposals will be rejected. A party who has quoted prices to a proposer is not thereby disqualified from quoting prices to other proposers or from submitting a proposal directly for the work.

## **REJECTION OF PROPOSALS**

The Department reserves the right to reject any and all proposals when such rejection is in the best interest of the State; to reject the proposal of a proposer who has previously failed to perform properly, or complete on time, contracts of a similar nature; to reject the proposal of a proposer who is not, in the opinion of the Contracting Officer, in a position to perform the contract; and to reject a bid as nonresponsive where the proposer fails to furnish the required documents, fails to complete required documents in the manner directed, or makes unauthorized alterations to the bid documents.

## **CONSIDERATION OF PROPOSALS**

After the Proposals are opened and read, they will be compared on the basis identified on the bid schedule and the apparent low Bidder announced. The apparent low Bidder shall, within 5 working days following identification as the apparent low Bidder, submit a list of all firms with which the prime CONTRACTOR intends to execute subcontracts for the performance of the Contract. The list shall include the name, business address, Alaska business license number and contractor's registration number of each proposed Subcontractor.

Upon confirmation of the contents of the proposal the low Bidder will be identified by the DEPARTMENT by telephone and in writing. If the low Bidder differs from the apparent low Bidder then the requirements for Subcontractor listing, as noted above, shall become effective upon the low Bidder at the time of identification.

If a Bidder fails to list a Subcontractor or lists more than one Subcontractor for the same portion of Work and the value of that Work is in excess of one-half of one percent of the total bid, the Bidder agrees that it shall be considered to have agreed to perform that portion of Work without the use of a Subcontractor and to have represented that the Bidder is qualified to perform the Work.

A Bidder who attempts to circumvent the requirements of this section by listing as a Subcontractor another contractor who, in turn, sublets the majority of the Work required under the Contract, violates this section.

If a Contract is awarded to a Bidder who violates this section, the Bidder agrees that the Contracting Officer may:

- (1) cancel the Contract without any damages accruing to the State; or
- (2) after notice and a hearing, assess a penalty on the Bidder in an amount that does not exceed 10 percent of the value of the Subcontract at issue.

A Bidder may replace a listed Subcontractor who:

- (1) fails to comply with AS 08.18;
- (2) files for bankruptcy or becomes insolvent;



- (3) fails to execute a contract with the Bidder involving performance of the Work for which the Subcontractor was listed and the Bidder acted in good faith;
- (4) fails to obtain bonding;
- (5) fails to obtain insurance acceptable to the State;
- (6) fails to perform the Contract with the Bidder involving Work for which the Subcontractor was listed;
- (7) must be substituted in order for the prime CONTRACTOR to satisfy required State and Federal affirmative action requirements;
- (8) refuses to agree or abide with the bidder's labor agreement; or
- (9) is determined by the Contracting Officer to be nonresponsive.

#### **AWARD OF CONTRACT**

- (a) The letter of award, if the contract is to be awarded, will be issued to the highest-scoring responsible and responsive Proposer generally within 40 calendar days after opening of proposals.
- (b) All Proposers will be notified of the DEPARTMENT'S Intent to Award the Contract and the successful Proposer will be requested to execute certain documents, including the Contract form and bonds.
- (c) The contract will be awarded to the successful Proposer following receipt by the Department of all required documents, properly executed, within the time specified in the intent to award. Failure to enter into a contract within the specified time shall be grounds for forfeiture of the bid security and consideration of the second highest-scoring bidder for award.

**SECTION 00115**

**ITEM G-115 WORKER MEALS AND LODGING, OR PER DIEM**

**DESCRIPTION**

**115-1.1** This item consists of complying with the Alaska Department of Labor and Workforce Development (DOLWD) requirements for Worker Meals and Lodging, or Per Diem; as described in their July 25, 2005 memo WHPL #197(A2) and the State Laborer's and Mechanic's Minimum Rates of Pay (current issue).

Ensure subcontractors comply with the DOLWD requirements. The direct internet address is <http://labor.alaska.gov/lss/pamp600.htm>.

Ensure facilities meet the Alaska Administrative Code 8 AAC 61.1010 and 8 AAC 61.1040 *Occupational Safety and Health Standards*, 18 AAC 31 *Alaska Food Code*, and U. S. Code of Federal Regulations 29 CFR Section 1910.142 *Temporary Labor Camps*.

Do not consider the cost of Meals and Lodging or Per Diem in setting wages for the worker or in meeting wage requirements under AS 23.10.065 or AS 36.05.

**METHOD OF MEASUREMENT**

115-2.1 Progress payments for Worker Meals and Lodging, or Per Diem will be computed as equivalent to the percentage, rounded to the nearest whole percent, of the original contract amount earned.

**BASIS OF PAYMENT**

115-3.1 Payment will be made at the contract lump sum price for Worker Meals and Lodging, or Per Diem. This price and payment shall be full compensation for all costs associated with this item.

Payment will be made under:

Item G-115 Worker Meals and Lodging, or Per Diem – per lump sum



STATE OF ALASKA  
DEPARTMENT OF CORRECTIONS

**REQUIRED DOCUMENTS**

State Funded Contracts

for  
**Electrical Safety Program - RFP 170011736**

**REQUIRED FOR PROPOSAL**

Proposals will not be considered if the following documents are not completely filled out and submitted by the specified date and time. Assemble documents in accordance with Section 00022.

1. Proposal (Section 00310) – Sealed separately
2. Bid Schedule (Section 00312) – Sealed separately
3. Contractor's Technical Proposal (Section 00313)
4. Bid Security (Section 00410 or other form of allowable Security)
5. Any bid revisions must be submitted by the bidder prior to bid opening on the following form:  
Bid Modification (Section 00420)

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**REQUIRED AFTER NOTICE OF APPARENT HIGH-SCORING PROPOSER**

The apparent highest scoring proposer is required to complete and submit the following document within 5 working days after receipt of written notification:

1. Subcontractor List (Section 00430)

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**REQUIRED FOR AWARD**

In order to be awarded the contract, the successful bidder must completely fill out and submit the following documents within the time specified in the intent to award letter:

1. Construction Contract (Section 00510)
2. Payment Bond (Section 00620)
3. Performance Bond (Section 00610)
4. Certificate of Insurance (from carrier)
5. Bidders must register annually with the Civil Rights Office in order to be eligible for award. If not registered, or if unsure, submit the following: Bidder Registration (Section 00435)



STATE OF ALASKA  
DEPARTMENT OF CORRECTIONS

**PRICE PROPOSAL**  
of

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_  
\_\_\_\_\_

**TO THE CONTRACTING OFFICER, DEPARTMENT OF CORRECTIONS:**

In compliance with your Request for Proposals dated **April 3, 2018** the Undersigned proposes to furnish and deliver all the materials and do all the work and labor required in the construction of Project:

**Electrical Safety Program - Statewide**  
**Project No. 170011736**

Located at various locations statewide (Alaska), and according to the RFP Documents, and our Contractor's Technical Proposal (Section 00313) and for the amount and prices named herein as indicated on the Bid Schedule consisting of \_\_\_ page/s, which is made a part of this Proposal.

The Undersigned declares that he has carefully examined the contract requirements and that he has made a personal examination of the site of the work; that he understands that the quantities, where such are specified in the Bid Schedule or on the plans for this project, are approximate only and subject to increase or decrease, and that he is willing to perform increased or decreased quantities of work at unit prices bid under the conditions set forth in the Contract Documents.

The Undersigned hereby agrees to execute the said contract and bonds within fifteen calendar days, or such further time as may be allowed in writing by the Contracting Officer, after receiving notification of the acceptance of this proposal, and it is hereby mutually understood and agreed that in case the Undersigned does not, the accompanying bid guarantee shall be forfeited to the State of Alaska, Department of Transportation & Public Facilities as liquidated damages, and the said Contracting officer may proceed to award the contract to others.

The Undersigned agrees to commence the work within 10 calendar days and to be **substantially complete with the Work within 180 days of Notice to Proceed**, unless extended by amendment in writing by the Contracting Officer.

The Undersigned proposes to furnish Payment Bond in the amount of 50% and Performance Bond in the amount of 50% (of the contract price), as surety conditioned for the full, complete and faithful performance of this contract.

The Undersigned acknowledges receipt of the following addenda to the drawings and/or specifications (give number and date of each).

Addenda Number	Date Issued	Addenda Number	Date Issued	Addenda Number	Date Issued

**NON-COLLUSION AFFIDAVIT**

The Undersigned declares, under penalty of perjury under the laws of the United States, that neither he nor the firm, association, or corporation of which he is a member, has, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competition in connection with this proposal.

The Undersigned has read the foregoing proposal and hereby agrees to the conditions stated therein by affixing his signature below:

\_\_\_\_\_  
Name & Title of Person Signing

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Fax Number

\_\_\_\_\_  
Email Address



# INSTRUCTIONS FOR ALASKA PRODUCTS PREFERENCE WORKSHEET

## Special Note:

All procurements, except those funded from Federal sources, shall contain Contract provisions for the preference of Alaska products. The products listed by the Bidder or Proposer on this worksheet must have current certifications from the Alaska Products Preference program as of the date specified for bid opening or the proposal due date in order to be considered for the Alaska Products preference. A product with an expired Certification as of the date specified for bid opening or the proposal due date, will not be considered for the Alaska Products preference. In addition, and in accordance with the program, the products must be specified for use on the project. The listing of Certified Products is available from <http://www.commerce.state.ak.us/oes/prodpref/prodpref.htm>.

## BIDDERS INSTRUCTIONS:

A. General. The Contracting Agency may request documentation to support entries made on this form. False presentations may be subject to AS 36.30.687. All Bidder's entries must conform to the requirements covering bid preparations in general. Discrepancies in price extensions shall be resolved by multiplying the declared total value times the preference percentage and adjusting any resulting computation accordingly.

B. Form Completion -BASIC BIDS.

(1) Enter project number and name, the words "Basic Bid" and the CONTRACTOR'S name in the heading of each page as provided.

(2) The Bidder shall compare those candidate products appearing on the preference listing (see Special Notice comments above) against the requirements of the technical specifications appearing in the contract documents. If the Bidder determines that a candidate product can suitably meet the contract requirements, then that product may be included in the worksheet as follows.

(3) For each suitable product submitted under the "Basic Bid" enter:

the product name, generic description and its corresponding technical specification section number under the heading "PRODUCT",  
the company name of the Alaska producer under the heading "MANUFACTURER",  
and,  
the product class (I, II, or III) and preference percentage (3, 5, or 7%, respectively) under the "CLASSIFICATION" heading.

(4) For each product appearing on the list and to be utilized by the CONTRACTOR enter:

under the heading "TOTAL DECLARED VALUE" the manufacturer's quoted price of the product, (caution: this value is to be the manufacturer's quoted price at the place of origin and shall not include costs for freight, handling or miscellaneous charges of incorporating the product into the Work), and  
the resulting preference-*i.e.*: the preference percentage times the total declared value amount — under the heading "REDUCTION AMOUNT".

(5) Continue for all "suitable" basic bid products. If the listing exceeds one page enter the words "Page # SUBJ" in front of the word "TOTAL", and on the first entry line of the following page enter "SUBTOTAL OF REDUCTION AMOUNT FROM PREVIOUS PAGE".

(6) On the final page of the listing enter "BASIC BID PREFERENCE GRAND" immediately before the word "TOTAL".

(7) Total the entries in the "REDUCTION AMOUNT" column for each page by commencing at the first entry for that page. If a continuation page exists, ensure that the subtotal from the previous page is computed into the running total. Number pages as appropriate.

(8) Compute a Grand Total for the Basic Bid Preference. Enter this amount on the final page of the worksheet and at line or column "C" on the Bid Schedule or Bid Schedule Summary Sheet as appropriate. Submit worksheet(s) with Bid Schedule Summary Sheet.

C. Forms Completion - ALTERNATE BIDS.

(1) Enter project number and name, the words "ALTERNATE BID# \_\_\_\_\_", and CONTRACTOR'S name in the heading of each page as provided.

Form APPW (5/1/89) (rev CR 12/8/10)

00311

Page 2 of 2

(2) On the first entry line enter "ADDITIONAL ALASKA PRODUCTS FOR ALTERNATE BID # \_\_\_\_\_", and repeat procedures 2 through 5 under part B of these Bidder's instructions except that references to "Basic Bid" shall be replaced with the words "Alternate Bid# \_\_\_\_\_".

(3) Following the listing of all additional Alaska products enter the words "ADDITIONAL PRODUCTS PREFERENCE FOR ALTERNATE BID# \_\_\_\_\_SUBTOTAL" and enter a subtotal amount for all additional products as listed. Subtotal amount to be determined by adding all additional product entries in the "REDUCTION AMOUNT" column.

(4) Skip three lines and enter "LESS THE FOLLOWING NON-APPLICABLE ALASKA PRODUCTS".

(5) Beginning on the next line enter the product name and manufacturer of each Alaska Product appearing on the "Basic Bid" listing which would be deleted or reduced from the Project should the "Alternate Bid" be selected. Details of entry need only be sufficient to clearly reference the subject product (i.e. "Prehung Doors by Alaska Door Co. in lieu of "Prehung Solid Core Wood Door, model "Super Door", Section 08210, by Alaska Door Co., Anchorage.) Products being reduced shall specify the amount of the reduction. Should no products require deletion enter "None". When a product is listed as a "NON-APPLICABLE ALASKA PRODUCT" for this alternate bid and if under the basic bid the Bidder received a preference on his basic bid as a result of that product, then the applicable entries under the headings "TOTAL DECLARED VALUE" and "REDUCTION AMOUNT" (for each product and from the basic bid listing) shall also be entered into the corresponding headings of this form. Where only a portion of the product has been deleted, the entry (which will differ from those on the basic bid listing) may be "pro-rated" or as otherwise substantiated.

(6) Following the listing of all non-applicable Alaska products enter the words "NON-APPLICABLE PRODUCTS PREFERENCE FORM BASIC BID --SUBTOTAL" and enter a subtotal amount for all non-applicable products all listed. Subtotal amount to be determined by adding all non-applicable entries in the "REDUCTION AMOUNT" column.

(7) At the bottom of the final page enter the words "ALTERNATE BID # \_\_\_\_\_ PREFERENCE GRAND" immediately before the word "TOTAL".

(8) Compute a Grand Total for the Alternate Bid Preference (for Alternate# \_\_\_\_\_) by subtracting the non-applicable product preference subtotal from the additional product preference subtotal. Enter on the final page as provided and at the corresponding line in column "C" on the Bid Schedule Summary Sheet. Submit worksheet(s) with the Bid Schedule Summary Sheet.

(9) A separate listing for each alternate bid is required.

# **BID SCHEDULE**

## **Electrical Safety Program** **Alaska Correctional Facilities - STATEWIDE** **Project No. 170011736**

Bidders Please Note: Before preparing this bid schedule, read carefully, "Information to Bidders", "Supplementary Information to Bidders", "Special Notices" and the following:

The Bidder shall insert a fixed price in figures opposite each pay item that appears in the bid schedule to furnish all labor, material, equipment, supervision and provide all work for each item listed. No price is to be entered or tendered for any item not appearing in the bid schedule.

Conditioned or qualified bids will be considered non-responsive.

NOTICE: Bids will be compared on the Adjusted Basic Bid Amount (H) and will be evaluated in accordance with Section 00023. Contract award will be made in the amount of the unadjusted amount (D).

ITEM	PAY ITEM	DESCRIPTION OF PAY ITEM	TOTAL BID PRICE IN FIGURES
A	<b>Basic Bid</b>	All work described in the Basic Bid description in Section 01010, Paragraph 1.02.A, & Project Plans for the Lump Sum Price of:	\$ _____
B	<b>Basic Bid (Travel)</b>	Worker's – Meals and Lodging, or per diem, G-115 (See section 00115) for the Lump Sum Price of:	\$ _____
C	<b>Total Basic Bid (A + B = C):</b>		\$ _____
D	Alaska Bidder Preference (5% of D):		\$ _____
E	Alaska Veteran - Owned Business Preference (5% of D Not to exceed \$5,000.00)		\$ _____
F	Alaska Products Preference (Attach worksheet(s))		\$ _____
G	<b>Adjusted Basic Bid Amount (D – E – F = G)</b>		\$ _____



STATE OF ALASKA



DEPARTMENT OF CORRECTIONS

**CONTRACTOR'S TECHNICAL PROPOSAL**  
of

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_  
\_\_\_\_\_

**TO THE CONTRACTING OFFICER, DEPARTMENT OF CORRECTIONS:**

With regard to your Request for Proposals (RFP) dated 4/3/2018 for the construction of the Project known as:

**Electrical Safety Program**  
**STATEWIDE**  
**Project No. 170011736**

Located at various correctional facilities statewide; the Undersigned understands that a Proposal Evaluation Committee will evaluate all of the Proposals received and select for contract award the proposal which represents the best value to the State. The Undersigned offers for consideration the attached narrative proposal consisting of \_\_\_\_ single-sided pages. The narrative addresses each of the evaluation described in Section 00023.

The Undersigned understands that the contract is intended to be awarded to the Proposer with the highest point score considering all of the evaluation criteria described in Section 00023.

**ACKNOWLEDGEMENT OF ADDENDA**

The undersigned acknowledges receipt of the following addenda to the RFP (give number and date of each).					
Addenda	Date Issued	Addenda	Date Issued	Addenda	Date Issued
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

The Undersigned has read the RFP Documents and hereby agrees to the conditions stated therein by affixing his signature below. The Undersigned also certifies the accuracy of statements made in the attached narratives.

\_\_\_\_\_  
Name & Title of Person Signing

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Fax Number



STATE OF ALASKA  
DEPARTMENT OF CORRECTIONS  
Civil Rights Office – DBE Program

## BIDDER REGISTRATION

All firms must register annually or prior to project award with the Alaska Department of Transportation and Public Facilities (DOT&PF) Civil Rights Officer (CRO). Complete this form for each contractor and subcontractor. Firms will be listed on the bidder registration online directory <http://www.dot.state.ak.us/cvlrts/bidreg.shtml>.

Name of Firm: \_\_\_\_\_

Street Address: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Fax number: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Date Firm was Established: \_\_\_\_\_

The firm listed above is a (check all that apply):

- Prime Contractor?
- Subcontractor?  Identify specialty:
- Service Provider?  Identify service:
- Material Supplier?  Identify material:
- Manufacturer?  Identify product:
- Certified DBE? \*  \*DBE- Disadvantaged Business Enterprise

Firm's gross annual receipts:

- <\$500,000
- \$500,000- \$999,999
- \$1,000,000- \$4,999,999
- \$5,000,000-\$9,999,999
- \$10,000,000- \$16,999,999
- > \$17,000,000

Type of contracts/proposals bid by the firm (check all that apply):

- Highways  Airports  Transit  AMHS

\_\_\_\_\_  
Signature of Company Representative

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

Send this completed form to:  
ADOT&PF Civil Rights Office  
PO Box 196900  
Anchorage, Alaska 99519-6900

OR You may fax your completed form to:  
(907) 269-0847

If you have any questions, please call (907) 269-0851.



STATE OF ALASKA  
DEPARTMENT OF CORRECTIONS

**BID BOND**

*For*  
**Electrical Safety Program – STATEWIDE**  
Project #170011736

DATE BOND EXECUTED: \_\_\_\_\_

PRINCIPAL (Legal name and business address):

TYPE OF ORGANIZATION:

	<input type="checkbox"/> Individual	<input type="checkbox"/> Partnership
	<input type="checkbox"/> Joint Venture	<input type="checkbox"/> Corporation
STATE OF INCORPORATION:		

SURETY(IES) (Name and business address):

A.	B.	C.
----	----	----

PENAL SUM OF BOND:

DATE OF BID:

We, the PRINCIPAL and SURETY above named, are held and firmly bound to the State (State of Alaska), in the penal sum of the amount stated above, for the payment of which sum will be made, we bind ourselves and our legal representatives and successors, jointly and severally, by this instrument.

THE CONDITION OF THE FOREGOING OBLIGATION is that the Principal has submitted the accompanying bid in writing, date as shown above, on the above-referenced Project in accordance with contract documents filed in the office of the Contracting Officer, and under the Invitation for Bids therefor, and is required to furnish a bond in the amount stated above.

If the Principal's bid is accepted and he is offered the proposed contract for award, and if the Principal fails to enter into the contract, then the obligation to the State created by this bond shall be in full force and effect.

If the Principal enters into the contract, then the foregoing obligation is null and void.

**PRINCIPAL**

Signature(s)	1.	2.	3.
Name(s) & Title(s) (Typed)	1.	2.	3.

See Instructions on Reverse

Corporate Seal

**CORPORATE SURETY(IES)**

<b>Surety A</b>	Name of Corporation		State of Incorporation	Liability Limit \$
Signature(s)	1.	2.	Corporate Seal	
Name(s) & Titles (Typed)	1.	2.		
<b>Surety B</b>	Name of Corporation		State of Incorporation	Liability Limit \$
Signature(s)	1.	2.	Corporate Seal	
Name(s) & Titles (Typed)	1.	2.		
<b>Surety C</b>	Name of Corporation		State of Incorporation	Liability Limit \$
Signature(s)	1.	2.	Corporate Seal	
Name(s) & Titles (Typed)	1.	2.		

**INSTRUCTIONS**

1. This form shall be used whenever a bid bond is submitted.
2. Insert the full legal name and business address of the Principal in the space designated. If the Principal is a partnership or joint venture, the names of all principal parties must be included (e.g., "Smith Construction, Inc. and Jones Contracting, Inc. DBA Smith/Jones Builders, a joint venture"). If the Principal is a corporation, the name of the state in which incorporated shall be inserted in the space provided.
3. Insert the full legal name and business address of the Surety in the space designated. The Surety on the bond may be any corporation or partnership authorized to do business in Alaska as an insurer under AS 21.09. Individual sureties will not be accepted.
4. The penal amount of the bond may be shown either as an amount (in words and figures) or as a percent of the contract bid price (a not-to-exceed amount may be included).
5. The scheduled bid opening date shall be entered in the space marked Date of Bid.
6. The bond shall be executed by authorized representatives of the Principal and Surety. Corporations executing the bond shall also affix their corporate seal.
7. Any person signing in a representative capacity (e.g., an attorney-in-fact) must furnish evidence of authority if that representative is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved.
8. The states of incorporation and the limits of liability of each surety shall be indicated in the spaces provided.
9. The date that bond is executed must not be later than the bid opening date.





**FIRM NAME,  
ADDRESS,  
PHONE NO.**

**AK BUSINESS LICENSE NO.,  
CONTRACTOR'S  
REGISTRATION NO.**

**SCOPE OF WORK TO  
BE PERFORMED**



STATE OF ALASKA  
DEPARTMENT OF CORRECTIONS

# CONSTRUCTION CONTRACT

**Electrical Safety Program**  
**Alaska Correctional Facilities, STATEWIDE**  
**Project #170011736**

This CONTRACT, between the STATE OF ALASKA, DEPARTMENT OF CORRECTIONS, herein called the Department, acting by and through its Contracting Officer, and

---

Company Name

---

Company Address (Street or PO Box, City, State, Zip)

a/an  Individual  Partnership  Joint Venture  Sole Proprietorship  Corporation incorporated under the laws of the State of Alaska, its successors and assigns, herein called the Contractor, is effective the date of the signature of the Contracting Officer on this document.

WITNESSETH: That the Contractor, for and in consideration of the payment or payments herein specified and agreed to by the Department, hereby covenants and agrees to furnish and deliver all the materials and to do and perform all the work and labor required in the construction of the above-referenced project at the prices bid by the Contractor for the respective estimated quantities aggregating approximately the sum of \$\_\_\_\_\_ and such other items as are mentioned in the original Bid, which Bid and prices named, together with the Contract Documents are made a part of this Contract and accepted as such.

It is distinctly understood and agreed that no claim for additional work or materials, done or furnished by the Contractor and not specifically herein provided for will be allowed by the Department, nor shall the Contractor do any work or furnish any material not covered by this Contract, unless such work is ordered in writing by the Department. In no event shall the Department be liable for any materials furnished or used, or for any work or labor done, unless the materials, work, or labor are required by the Contract or on written order furnished by the Department. Any such work or materials which may be done or furnished by the Contractor without written order first being given shall be at the Contractor's own risk, cost, and expense and the Contractor hereby covenants and agrees to make no claim for compensation for work or materials done or furnished without such written order.

The Contractor further covenants and agrees that all materials shall be furnished and delivered and all labor shall be done and performed, in every respect, to the satisfaction of the Department, on or before: **180 days after Notice To Proceed**. It is expressly understood and agreed that in case of the failure on the part of the Contractor, for any reason, except with the written consent of the Department, to complete the furnishing and delivery of materials and the doing and performance of the work before the aforesaid date, the Department shall have the right to deduct from any money due or which may become due the Contractor, or if no money shall be due, the Department shall have the right to recover the following amounts:

- **Failure to Meet Substantial Completion Date:** Total time from Notice to Proceed to Substantial Completion shall not exceed 180 days. For each calendar day that the work is not Substantially Complete after the expiration of the Contract Time or the Substantial Completion Date has passed, the DEPARTMENT shall deduct **Five hundred and Ten Dollars (\$510.00)** per day. This deduction will be made from the next progress payment.
- **Failure to Meet Final Completion Date:** For each calendar day that the work is substantially complete, but the project is not at Final Completion, after the Final Completion Date has passed, the DEPARTMENT shall deduct **Seventy Five Dollars (\$75.00)** from the final progress payment.



IN WITNESS WHEREOF, the parties hereto have executed this Contract and hereby agree to its terms and conditions.

---

**CONTRACTOR**

---

Company Name

---

Signature of Authorized Company Representative

---

Typed Name and Title

---

Date

(Corporate Seal)

---

**STATE OF ALASKA  
DEPARTMENT OF CORRECTIONS**

---

Signature of Contracting Officer

Gary Bailey

---

Typed Name

---

Date

Re: Project #170011736



STATE OF ALASKA  
DEPARTMENT OF CORRECTIONS

# PERFORMANCE BOND

Bond No. \_\_\_\_\_

For  
**ELECTRICAL SAFETY PROGRAM – Project# 170011736**  
**STATEWIDE**

Project Name and Number

KNOW ALL WHO SHALL SEE 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., 20\_\_\_\_, for construction of the above-named project, said work to be done according to the terms of  
said contract.

Now, THEREFORE, the conditions of the foregoing obligation are 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 Corrections 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., 20\_\_\_\_\_.

**Principal:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**By:** \_\_\_\_\_

**Contact Name:** \_\_\_\_\_

**Phone:** ( ) \_\_\_\_\_

**Surety:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**By:** \_\_\_\_\_

**Contact Name:** \_\_\_\_\_

**Phone:** ( ) \_\_\_\_\_

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

Alaska Department of Corrections Authorized Representative

Date

See Instructions on Reverse

## 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 Contracting Officer.
2. The full legal name, business address, phone number, and point of contact of the Principal and Surety shall be typed 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 typed 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 Contracting Officer.
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 CORRECTIONS

**PAYMENT BOND**

Bond No. \_\_\_\_\_

For  
**ELECTRICAL SAFETY PROGRAM- Project # 170011736**  
**STATEWIDE**

Project Name and Number

KNOW ALL WHO SHALL SEE 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., 20\_\_\_\_, for construction of the above-referenced project, said work to be done according to the terms of  
said contract.

Now, THEREFORE, the conditions of the foregoing obligation are 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., 20\_\_\_\_\_.

**Principal:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**By:** \_\_\_\_\_

**Contact Name:** \_\_\_\_\_

**Phone:** ( ) \_\_\_\_\_

**Surety:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**By:** \_\_\_\_\_

**Contact Name:** \_\_\_\_\_

**Phone:** ( ) \_\_\_\_\_

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

Alaska Department of Corrections 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 Contracting Officer.
2. The full legal name, business address, phone number, and point of contact of the Principal and Surety shall be typed 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 typed 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 Contracting Officer.
5. The bond shall be signed by authorized persons. Where such persons are 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 CORRECTIONS

## ALASKA VETERAN'S PREFERENCE AFFIDAVIT

In response to the Invitation to Bid for:

Project Name and Number \_\_\_\_\_,

I certify under penalty of perjury that \_\_\_\_\_  
(Name) qualifies for the Alaska Veteran's Preference under the following conditions:

- (a) If a bidder qualifies under AS 36.30.170(b) as an Alaska bidder and is a qualifying entity, a five percent bid preference shall be applied to the bid price (preference may not exceed \$5,000). In this subsection, "qualifying entity" means a:
- (1) Sole proprietorship owned by an Alaska Veteran;
  - (2) Partnership under AS 32.06 or AS 32.11 if a majority of the members are Alaska Veteran's;
  - (3) Limited Liability Company organized under AS 10.50 if a majority of the individuals are Alaska Veterans.
  - (4) Corporation that is wholly owned by individuals and a majority of the individuals are Alaska veterans.
- (b) To qualify for a preference under this section, a bidder must add value by the bidder itself actually performing, controlling, managing and supervising a significant part of the services provided, or the bidder must have sold supplies of the general nature solicited to other state agencies, governments, or the general public.
- (c) In this section, "Alaska Veteran" means an individual who is a:
- (1) Resident of this state; and
  - (2) Veteran; means an individual who:
    - (A) Served in the:
      - (i) Armed Forces of the United States, including a reserve unit of the United States armed forces; or
      - (ii) Alaska Territorial Guard, the Alaska Army National Guard, the Alaska Air National Guard, or the Alaska Naval Militia; and
    - (B) Was separated from the service under a condition that was not dishonorable.

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Date

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
DOCUMENT 00700 - ISSUED DECEMBER 2011

GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT FOR BUILDINGS

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## ACKNOWLEDGMENT

"The State of Alaska, General Conditions of the Construction Contract for Buildings" is based on the "Standard General Conditions of the Construction Contract" as published by the National Society of Professional Engineers (document number 1910-8, 1983 edition) on behalf of the Engineers Joint Construction Documents Committee. Portions of the NSPE General Conditions are reprinted herein by the express permission of NSPE. Modifications to the NSPE text are made to provide for State laws, regulations, and established procedures.

The granting of permission by NSPE to allow the State of Alaska to preprint portions of the NSPE document 1910-8, 1983 edition does not constitute approval of the State of Alaska General Conditions of the Construction Contract for Buildings.

## **ARTICLE 1 - DEFINITIONS**

Wherever used in the Contract Documents the following terms, or pronouns in place of them, are used, the intent and meaning, unless a different intent or meaning is clearly indicated, shall be interpreted as set forth below.

The titles and headings of the articles, sections, and subsections herein are intended for convenience of reference.

Terms not defined below shall have their ordinary accepted meanings within the context which they are used. Words which have a well-known technical or trade meaning when used to describe work, materials or equipment shall be interpreted in accordance with such meaning. Words defined in Article 1 are to be interpreted as defined.

**Addenda-** All clarifications, corrections, or changes issued graphically or in writing by the DEPARTMENT after the Advertisement but prior to the opening of Proposals.

**Advertisement-** The public announcement, as required by law, inviting bids for Work to be performed or materials to be furnished.

**Application for Payment-** The form provided by the DEPARTMENT which is to be used by the CONTRACTOR in requesting progress or final payments and which is to include such supporting documentation as is required by the Contract Documents.

**Approved or Approval -** 'Approved' or 'Approval' as used in this contract document shall mean that the Department has received a document, form or submittal from the contractor and that the Department has taken "No exceptions" to the item submitted. Unless the context clearly indicates otherwise, approved or approval shall not mean that the Department approves of the methods or means, or that the item or form submitted meets the requirements of the contract or constitutes acceptance of the Contractor's work. Where approved or approval means acceptance, then such approval must be set forth in writing and signed by the contracting officer or his designee.

**Architect-** Where used in the contract documents, "ARCHITECT" shall mean the DEPARTMENT'S ENGINEER.

**Architect/Engineer -** Where used in the contract documents, "ARCHITECT/ENGINEER" shall mean the DEPARTMENT'S ENGINEER.

A.S - Initials which stand for Alaska Statute.

**Award-** The acceptance, by the DEPARTMENT, of the successful bid.

**Bid Bond -** A type of Proposal Guaranty.

**Bidder -** Any individual, firm, corporation or any acceptable combination thereof, or joint venture submitting a bid for the advertised Work.

**Calendar Day -** Every day shown on the calendar, beginning and ending at midnight.

**Change Order -** A written order by the DEPARTMENT directing changes to the Contract Documents, within their general scope.

**Consultant-** The person, firm, or corporation retained directly by the DEPARTMENT to prepare Contract Documents, perform construction administration services, or other Project related services.

**Contingent Sum Work Item -** When the bid schedule contains a Contingent Sum Work Item, the Work covered shall be performed only upon the written Directive of the Project Manager. Payment shall be made as provided in the Directive.

**Contract-** The written agreement between the DEPARTMENT and the CONTRACTOR setting forth the obligations of the parties and covering the Work to be performed, all as required by the Contract Documents.

**Contract Documents** - The Contract form, Addenda, the bidding requirements and CONTRACTOR's bid (including all appropriate bid tender forms), the bonds, the Conditions of the Contract and all other Contract requirements, the Specifications, and the Drawings furnished by the DEPARTMENT to the CONTRACTOR, together with all Change Orders and documents approved by the Contracting Officer, for inclusion, modifications and supplements issued on or after the Effective Date of the Contract.

**Contracting Officer** - The person authorized by the Commissioner to enter into and administer the Contract on behalf of the DEPARTMENT. He has authority to make findings, determinations and decisions with respect to the Contract and, when necessary, to modify or terminate the Contract. The Contracting Officer is identified on the construction Contract.

**CONTRACTOR**- The individual, firm, corporation or any acceptable combination thereof, contracting with the DEPARTMENT for performance of the Work.

**Contract Price**- The total moneys payable by the DEPARTMENT to the CONTRACTOR under the terms of the Contract Documents.

**Contract Time** - The number of Calendar Days following issuance of Notice-to-Proceed in which the project shall be rendered Substantially Complete, or if specified as a calendar date, the Substantial Completion date specified in the Contract Documents

**Controlling Item** - Any feature of the Work on the critical path of a network schedule.

**Defective**- Work that is unsatisfactory, faulty or deficient, or does not conform to the Contract Documents.

**DEPARTMENT**- The Alaska Department of Corrections. References to "Owner", "State", "Contracting Agency", mean the DEPARTMENT.

**Directive** - A written communication to the CONTRACTOR from the Contracting Officer interpreting or enforcing a Contract requirement or ordering commencement of an item of Work.

**Drawings** - The Drawings which show the character and scope of the Work to be performed and which have been furnished by the DEPARTMENT or the DEPARTMENT's Consultant and are by reference made a part of the Contract Documents.

**ENGINEER** - The DEPARTMENT'S authorized representative of the Contracting Officer, as defined in the DEPARTMENT'S *delegation of authority letter* to be issued after notice-to-proceed, who is responsible for administration of the contract.

**Equipment** - All machinery together with the necessary supplies for upkeep and maintenance, and also tools and apparatus necessary for the proper construction and acceptable completion of the work.

**Final Acceptance** - The DEPARTMENT's written acceptance of the Work following Final Completion and the performance of all Contract requirements by the CONTRACTOR.

**Final Completion** - The Project (or specified part thereof) has progressed to the point that all required Work is complete as determined by the Contracting Officer.

**Furnish** - To procure, transport, and deliver to the project site materials, labor, or equipment, for installation or use on the project.

**General Requirements** - Sections of Division I of the Specifications which contain administrative and procedural requirements as well as requirements for temporary facilities which apply to Specification Divisions 2 through 16.

Holidays - In the State of Alaska, Legal Holidays occur on:

1. New Year's Day- January 1
2. Martin Luther King's Birthday - Third Monday in January
3. President's Day- Third Monday in February
4. Seward's Day - Last Monday in March
5. Memorial Day - Last Monday in May
6. Independence Day - July 4
7. Labor Day - First Monday in September
8. Alaska Day - October 18
9. Veteran's Day- November 11
10. Thanksgiving Day- Fourth Thursday in November
11. Christmas Day - December 25
12. Every Sunday
13. Every day designated by public proclamation by the President of the United States or the Governor of the State as a legal Holiday.

If any Holiday listed above falls on a Saturday, Saturday and the preceding Friday are both legal Holidays. If the Holiday should fall on a Sunday, except (12) above, Sunday and the following Monday are both legal Holidays. See Title 44, Alaska Statutes.

Inspector - The Engineer's authorized representative assigned to make detailed observations relating to contract performance.

Install- Means to build into the Work, ready to be used in complete and operable condition and in compliance with Contract Documents.

Interim Work Authorization- A written order by the Engineer initiating changes to the Contract, within its general scope, until a subsequent Change Order is executed.

Invitation for Bids- A portion of the bidding documents soliciting bids for the Work to be performed.

Laboratory- The official testing laboratories of the DEPARTMENT or such other laboratories as may be designated by the Engineer or identified in the contract documents.

Materials- Any substances specified for use in the construction of the project.

Notice of Intent to Award - The written notice by the DEPARTMENT to all Bidders identifying the apparent successful Bidder and establishing the DEPARTMENT's intent to execute the Contract when all conditions required for execution of the Contract are met.

Notice to Proceed- A written notice to the CONTRACTOR to begin the Work and establishing the date on which the Contract Time begins.

Payment Bond - The security furnished by the CONTRACTOR and his Surety to guarantee payment of the debts covered by the bond.

Performance Bond- The security furnished by the CONTRACTOR and his Surety to guarantee performance and completion of the Work in accordance with the Contract.

Preconstruction Conference- A meeting between the CONTRACTOR and the Engineer, and other parties affected by the construction, to discuss the project before the CONTRACTOR begins work.

Project- The total construction, of which the Work performed under the Contract Documents, is the whole or a part, where such total construction may be performed by more than one CONTRACTOR.

**Project Manager-** The authorized representative of the Contracting Officer who is responsible for administration of the Contract.

**Proposal** - The offer of a Bidder, on the prescribed forms, to perform the Work at the prices quoted.

**Proposal Guaranty-** The security furnished with a Proposal to guarantee that the bidder will enter into a Contract if his Proposal is accepted by the DEPARTMENT.

**Quality Assurance (QA)-** Where referred to in the technical specifications (Divisions 2 through 16), Quality Assurance refers to measures to be provided by the CONTRACTOR as specified.

**Quality Control (QC)** - Tests and inspections by the CONTRACTOR to insure the acceptability of materials incorporated into the work. QC test reports are used as a basis upon which to determine whether the Work conforms to the requirements of the Contract Documents and to determine its acceptability for payment.

**Regulatory Requirements** - Laws, rules, regulations, ordinances, codes and/or orders.

**Schedule of Values** - The DEPARTMENT's document, submitted by the CONTRACTOR and reviewed by the Contracting Officer, which shall serve as the basis for computing payment and for establishing the value of separate items of Work which comprise the Contract Price.

**Shop Drawings** - All drawings, diagrams, illustrations, schedules and other data which are specifically prepared by or for the CONTRACTOR to illustrate some portion of the Work and all illustrations, brochures, standard schedules, performance charts, instructions, diagrams and other information prepared by a Supplier and submitted by the CONTRACTOR to illustrate material, equipment, fabrication, or erection for some portion of the Work. Where used in the Contract Documents, "Shop Drawings" shall also mean "Submittals".

**Specifications** - Those portions of the Contract Documents consisting of written technical descriptions of materials, equipment, construction systems, standards and workmanship as applied to the Work and certain administrative and procedural details applicable thereto.

**Subcontractor-** An individual, firm, or corporation to whom the CONTRACTOR or any other Subcontractor sublets part of the Contract.

**Substantial Completion-** Although not fully completed, the Work (or a specified part thereof) has progressed to the point where, in the opinion of the Contracting Officer, as evidence by the DEPARTMENT's written notice, it is sufficiently complete, in accordance with the Contract Documents, so that the Work (or specified part) can be utilized for the purposes for which it is intended. The terms "Substantially Complete" and "Substantially Completed" as applied to any Work refer to Substantial Completion thereof.

**Supplemental Agreement-** A written agreement between the CONTRACTOR and the DEPARTMENT covering work that is not within the general scope of the Contract.

**Supplementary Conditions** - The part of the Contract Documents which amends or supplements these General Conditions.

**Supplier-** A manufacturer, fabricator, distributor, material man or vendor of materials or equipment.

**Surety-** The corporation, partnership, or individual, other than the CONTRACTOR, executing a bond furnished by the CONTRACTOR.

**Traffic Control Plan (TCP)** - A drawing of one or more specific plans that detail the routing of pedestrian, and/or vehicular traffic through or around a construction area.

**Unit Price Work-** Work to be paid for on the basis of unit prices.

**Using Agency** - The entity who will occupy or use the completed Project.

**Utility** - The privately, publicly or cooperatively owned lines, facilities and systems for producing, transmitting or distributing communications, power, electricity, light, heat, gas, oil, crude products, water, steam, waste, storm water not connected with highway or street drainage, and other similar commodities, including publicly owned fire and police signal systems, street lighting systems, and railroads which directly or indirectly serve the public or any part thereof. The term "utility" shall also mean the utility company, inclusive of any wholly owned or controlled subsidiary."

**Work-** Work is the act of, and the result of, 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. Such Work, however incremental, will culminate in the entire completed Project, or the various separately identifiable parts thereof.



## **ARTICLE 2- AUTHORIZATION AND LIMITATIONS**

### **2.1 Authorities and Limitations**

- 2.1.1 The Contracting Officer alone, shall have the power to bind the DEPARTMENT and to exercise the rights, responsibilities, authorities and functions vested in the Contracting Officer by the Contract Documents. The Contracting Officer shall have the right to designate in writing authorized representatives to act for him. Wherever any provision of the Contract Documents specifies an individual or organization, whether governmental or private, to perform any act on behalf of or in the interest of the DEPARTMENT that individual or organization shall be deemed to be the Contracting Officer's authorized representative under this Contract but only to the extent so specified.
- 2.1.2 The CONTRACTOR shall perform the Work in accordance with any written order (including but not limited to instruction, direction, interpretation or determination) issued by an authorized representative in accordance with the authorized representative's authority to act for the Contracting Officer. The CONTRACTOR assumes all the risk and consequences of performing the Work in accordance with any order (including but not limited to instruction, direction, interpretation or determination) of anyone not authorized to issue such order, and of any order not in writing.
- 2.1.3 Should the Contracting Officer or his authorized representative designate Consultant(s) to act for the DEPARTMENT as provided for in Paragraph 2.1.1, the performance or nonperformance of the Consultant under such authority to act, shall not give rise to any contractual obligation or duty of the Consultant to the CONTRACTOR, any Subcontractor, any Supplier, or any other organization performing any of the Work or any Surety representing them.

### **2.2 Evaluations by Contracting Officer:**

- 2.2.1 The Contracting Officer will decide all questions which may arise as to:
- a. Quality and acceptability of materials furnished;
  - b. Quality and acceptability of Work performed;
  - c. Compliance with the schedule of progress;
  - d. Interpretation of Contract Documents;
  - e. Acceptable fulfillment of the Contract on the part of the CONTRACTOR.
- 2.2.2 In order to avoid cumbersome terms and confusing repetition of expressions in the Contract Documents the terms "as ordered", "as directed", "as required", "as approved" or terms of like effect or import are used, or the adjectives "reasonable", "suitable", "acceptable", "proper" or "satisfactory" or adjectives of like effect or import are used it shall be understood as if the expression were followed by the words "the Contracting Officer".
- When such terms are used to describe a requirement, direction, review or judgment of the Contracting Officer as to the Work, it is intended that such requirement, direction, review or judgment will be solely to evaluate the Work for compliance with the Contract Documents (unless there is a specific statement indicating otherwise).
- 2.2.3 The use of any such term or adjective shall not be effective to assign to the DEPARTMENT any duty of authority to supervise or direct the furnishing or performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of paragraphs 2.3 or 2.4.

### **2.3 Means & Methods:**

The means, methods, techniques, sequences or procedures of construction, or safety precautions and the program incident thereto, and the failure to perform or furnish the Work in accordance with the Contract Documents are the sole responsibility of the CONTRACTOR.

### **2.4 Visits to Site/Place of Business:**

The Contracting Officer will make visits to the site and approved remote storage sites at intervals appropriate to the various stages of construction to observe the progress and quality of the executed Work and to determine, in general, if the Work is proceeding in accordance with the Contract Documents. The Contracting Officer may, at reasonable times, inspect that part of the plant or place of business of the CONTRACTOR or Subcontractor that is related to the performance of the Contract. Such observations or the lack of such observations shall in no way relieve the CONTRACTOR from his duty to perform the Work in accordance with the Contract Documents.

## **ARTICLE 3- CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE**

### **3.1 Incomplete Contract Documents:**

The submission of a bid by the Bidder is considered a representation that the Bidder examined the Contract Documents to make certain that all sheets and pages were provided and that the Bidder is satisfied as to the conditions to be encountered in performing the Work. The DEPARTMENT expressly denies any responsibility or liability for a bid submitted on the basis of an incomplete set of Contract Documents.

### **3.2 Copies of Contract Documents:**

The DEPARTMENT shall furnish to the CONTRACTOR up to ten copies of the Contract Documents. Additional copies will be furnished, upon request, at the cost of reproduction.

### **3.3 Scope of Work:**

The Contract Documents comprise the entire Contract between the DEPARTMENT and the CONTRACTOR concerning the Work. The Contract Documents are complementary; what is called for by one is as binding as if called for by all. The Contract Documents will be construed in accordance with the Regulatory Requirements of the place of the Project.

It is specifically agreed between the parties executing this Contract that it is not intended by any of the provisions of the Contract to create in the public or any member thereof a third party benefit, or to authorize anyone not a party to this Contract to maintain a suit pursuant to the terms or provisions of the Contract.

### **3.4 Intent of Contract Documents:**

- 3.4.1 It is the intent of the Contract Documents to describe a functionally complete Project to be constructed in accordance with the Contract Documents. Any Work, materials or equipment that may reasonably be inferred from the Contract Documents as being required to produce the intended result will be supplied, without any adjustment in Contract Price or Contract Time, whether or not specifically called for.
- 3.4.2 Reference to standard specifications, manuals or codes of any technical society, organization or association, or to the Regulatory Requirements of any governmental authority, whether such reference be specific or by implication, shall mean the edition stated in the Contract Documents or if not stated the latest standard specification, manual, code or Regulatory Requirements in effect at the time of Advertisement for the Project (or, on the Effective Date of the Contract if there was no Advertisement). However, no provision of any referenced standard specification, manual or code (whether or not specifically incorporated by reference in the Contract Documents) shall be effective to change the duties and responsibilities of the DEPARTMENT and the CONTRACTOR, or any of their consultants, agents or employees from those set forth in the Contract Documents, nor shall it be effective to assign to the DEPARTMENT or any of the DEPARTMENT's Consultants, agents or employees, any duty or authority to supervise or direct the furnishing or performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of paragraphs 2.3 or 2.4.

### **3.5 Discrepancy in Contract Documents:**

- 3.5.1 Before undertaking the Work, the CONTRACTOR shall carefully study and compare the Contract Documents and check and verify pertinent figures, and dimensions shown thereon and all applicable field measurements. Work in the area by the CONTRACTOR shall imply verification of figures, dimensions and field measurements. If, during the above study or during the performance of the Work, the CONTRACTOR finds a conflict, error, discrepancy or omission in the Contract Documents, or a discrepancy between the Contract Documents and any standard specification, manual, code, or Regulatory Requirement which affects the Work, the CONTRACTOR shall promptly report such discrepancy in writing to the Contracting Officer. The CONTRACTOR shall obtain a written interpretation or clarification from the Contracting Officer before proceeding with any Work affected thereby. Any adjustment made by the CONTRACTOR without this

determination shall be at his own risk and expense. However, the CONTRACTOR shall not be liable to the DEPARTMENT for failure to report any conflict, error or discrepancy in the Contract Documents unless the CONTRACTOR had actual knowledge thereof or should reasonably have known thereof.

### 3.5.2 Discrepancy- Order of Precedence:

When conflicts errors or discrepancies within the Contract Documents exist, the order of precedence from most governing to least governing will be as follows:

- Contents of Addenda
- Supplementary Conditions
- General Conditions
- General Requirements
- Technical Specifications
- Drawings
- Recorded dimensions will govern over scaled dimensions
- Large scale details over small scale details
- Schedules over plans
- Architectural drawings over structural drawings Structural drawings over mechanical and electrical drawings

### 3.6 Clarifications and Interpretations:

The Contracting Officer will issue with reasonable promptness such written clarifications or interpretations of the requirements of the Contract Documents as the Contracting Officer may determine necessary, which shall be consistent with or reasonably inferable from the overall intent of the Contract Documents.

### 3.7 Reuse of Documents:

Neither the CONTRACTOR nor any Subcontractor, or Supplier or other person or organization performing or furnishing any of the Work under a direct or indirect contract with the DEPARTMENT shall have or acquire any title to or ownership rights in any of the Contract Documents (or copies thereof) prepared by or for the DEPARTMENT and they shall not reuse any of the Contract Documents on extensions of the Project or any other project without written consent of the Contracting Officer.

Contract Documents prepared by the CONTRACTOR in connection with the Work shall become the property of the DEPARTMENT.

## **ARTICLE 4 - LANDS AND PHYSICAL CONDITIONS**

### **4.1 Availability of Lands:**

The DEPARTMENT shall furnish as indicated in the Contract Documents, the lands upon which the Work is to be performed, rights-of-way and easements for access thereto, and such other lands which are designated for use of the CONTRACTOR in connection with the Work. Easements for permanent structures or permanent changes in existing facilities will be obtained and paid for by the DEPARTMENT, unless otherwise provided in the Contract Documents. The CONTRACTOR shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment. The CONTRACTOR shall provide all waste and disposal areas, including disposal areas for hazardous or contaminated materials, at no additional cost to the DEPARTMENT.

### **4.2 Visit to Site:**

The submission of a bid by the CONTRACTOR is considered a representation that the CONTRACTOR has visited and carefully examined the site and is satisfied as to the conditions to be encountered in performing the Work and as to the requirements of the Contract Documents.

### **4.3 Explorations and Reports:**

Reference is made to the Supplementary Conditions for identification of those reports of explorations and tests of subsurface conditions at the site that have been utilized by the DEPARTMENT in preparation of the Contract Documents. The CONTRACTOR may for his purposes rely upon the accuracy of the factual data contained in such reports, but not upon interpretations or opinions drawn from such factual data contained therein or for the completeness or sufficiency thereof. Except as indicated in the immediately preceding sentence and in paragraphs 4.4 and 9.9, CONTRACTOR shall have full responsibility with respect to surface and subsurface conditions at the site.

### **4.4 Utilities:**

The horizontal and vertical locations of known underground utilities as shown or indicated by the Contract Documents are approximate and are based on information and data furnished to the DEPARTMENT by the owners of such underground utilities.

4.4.2 The CONTRACTOR shall have full responsibility for:

- a. Reviewing and checking all information and data concerning utilities.
- b. Locating all underground utilities shown or indicated in the Contract Documents which are affected by the Work.
- c. Coordination of the Work with the owners of all utilities during construction.
- d. Safety and protection of all utilities as provided in paragraph 6.I7.
- e. Repair of any damage to utilities resulting from the Work in accordance with 4.4.4 and 4.5.

4.4.3 If Work is to be performed by any utility owner, the CONTRACTOR shall cooperate with such owners to facilitate the Work.

4.4.4 In the event of interruption to any utility service as a result of accidental breakage or as result of being exposed or unsupported, the CONTRACTOR shall promptly notify the utility owner and the Contracting Officer. If service is interrupted, repair work shall be continuous until the service is restored. No Work shall be undertaken around fire hydrants until provisions for continued service has been approved by the local fire authority.

#### **4.5 Damaged Utilities:**

When utilities are damaged by the CONTRACTOR, the utility owner shall have the choice of repairing the utility or having the CONTRACTOR repair the utility. In the following circumstances, the CONTRACTOR shall reimburse the utility owner for repair costs or provide at no cost to the utility owner or the DEPARTMENT, all materials, equipment and labor necessary to complete repair of the damage:

- a. When the utility is shown or indicated in the Contract Documents.
- b. When the utility has been located by the utility owner.
- c. When no locate was requested by the CONTRACTOR for utilities shown or indicated in the Contract Documents.
- d. All visible utilities.
- e. When the CONTRACTOR could have, otherwise, reasonably been expected to be aware of such utility.

#### **4.6 Utilities Not Shown or Indicated:**

If, while directly performing the Work, an underground utility is uncovered or revealed at the site which was not shown or indicated in the Contract Documents and which the CONTRACTOR could not reasonably have been expected to be aware of, the CONTRACTOR shall, promptly after becoming aware thereof and before performing any Work affected thereby (except in an emergency as permitted by paragraph 6.19) identify the owner of such underground utility and give written notice thereof to that owner and to the Contracting Officer. The Contracting Officer will promptly review the underground utility to determine the extent to which the Contract Documents and the Work should be modified to reflect the impacts of the discovered utility. The Contract Documents will be amended or supplemented in accordance with paragraph 9.2 and to the extent necessary through the issuance of a change document by the Contracting Officer. During such time, the CONTRACTOR shall be responsible for the safety and protection of such underground utility as provided in paragraph 6.17. The CONTRACTOR may be allowed an increase in the Contract Price or an extension of the Contract Time, or both, to the extent that they are directly attributable to the existence of any underground utility that was not shown or indicated in the Contract Documents and which the CONTRACTOR could not reasonably have been expected to be aware of.

#### **4.7 Survey Control:**

The DEPARTMENT will identify sufficient horizontal and vertical control data to enable the CONTRACTOR to survey and layout the Work. All survey work shall be performed under the direct supervision of a registered land surveyor when required by paragraph 7.8. Copies of all survey notes shall be provided to the DEPARTMENT at an interval determined by the Project Manager. The Project Manager may request submission on a weekly or longer period at his discretion. Any variations between the Contract Documents and actual field conditions shall be identified in the survey notes.

## ARTICLE 5- BONDS, INSURANCE, AND INDEMNIFICATION

### 5.1 Delivery of Bonds:

When the CONTRACTOR delivers the executed Contract to the Contracting Officer, the CONTRACTOR shall also deliver to the Contracting Officer such bonds as the CONTRACTOR may be required to furnish in accordance with paragraph 5.2.

### 5.2 Bonds:

The CONTRACTOR shall furnish Performance and Payment Bonds, each in an amount as shown on the Contract as security for the faithful performance and payment of all CONTRACTOR's obligations under the Contract Documents. These bonds shall remain in effect for one year after the date of Final Acceptance and until all obligations under this Contract, except special guarantees as per 12.7, have been met. All bonds shall be furnished on forms provided by the DEPARTMENT (or copies thereof) and shall be executed by such Sureties as are authorized to do business in the State of Alaska. The Contracting Officer may at his option copy the Surety with notice of any potential default or liability.

### 5.3 Replacement of Bond and Surety:

If the Surety on any bond furnished in connection with this Contract is declared bankrupt or becomes insolvent or its right to do business is terminated in any state where any part of the Project is located or it ceases to meet the requirements of paragraph 5.2, or otherwise becomes unacceptable to the DEPARTMENT, or if any such Surety fails to furnish reports as to his financial condition as requested by the DEPARTMENT, the CONTRACTOR shall within five days thereafter substitute another bond and Surety, both of which must be acceptable to DEPARTMENT.

An individual Surety may be replaced by a corporate Surety during the course of the Contract period. If the Surety desires to dispose of the collateral posted, the DEPARTMENT may, at its option, accept substitute collateral.

### 5.4 Insurance Requirements:

- 5.4.1 The CONTRACTOR shall provide evidence of insurance with a carrier or carriers satisfactory to the DEPARTMENT covering injury to persons and/or property suffered by the State of Alaska or a third party, as a result of operations which arise both out of and during the course of this Contract by the CONTRACTOR or by any Subcontractor. This coverage will also provide protection against injuries to all employees of the CONTRACTOR and the employees of any Subcontractor engaged in Work under this Contract. The delivery to the DEPARTMENT of a written 30 day notice is required before cancellation of any coverage or reduction in any limits of liability. Insurance carriers shall have an acceptable financial rating.
- 5.4.2 The CONTRACTOR shall maintain in force at all times during the performance of the work under this agreement the following policies and minimum limits of liability. Failure to maintain insurance may, at the option of the Contracting Officer, be deemed Defective Work and remedied in accordance with the Contract. Where specific limits and coverage's are shown, it is understood that they shall be the minimum acceptable. The requirements of this paragraph shall not limit the CONTRACTOR's responsibility to indemnify under paragraph 5.5. Additional insurance requirements specific to this Contract are contained in the Supplementary Conditions, when applicable.
- a. Workers' Compensation Insurance: The Contractor shall provide and maintain, for all employees of the Contractor engaged in work under this contract, Workers' Compensation Insurance as required by AS 23.30.045. The Contractor shall be responsible for Workers' Compensation Insurance for any subcontractor who provides services under this contract, to include:
1. Waiver of subrogation against the State and Employer's Liability Protection in the amount of \$500,000 each accident/\$500,000 each disease.

2. If the Contractor directly utilizes labor outside of the State of Alaska in the prosecution of the work, "Other States" endorsement shall be required as a condition of the contract.
3. Whenever the work involves activity on or about navigable waters, the Workers' Compensation policy shall contain a United States Longshoreman's and Harbor Worker's Act endorsement, and when appropriate, a Maritime Employer's Liability (Jones Act) endorsement with a minimum limit of \$1,000,000.

- b. Comprehensive or Commercial General Liability Insurance: Such insurance shall cover all operations by or on behalf of the CONTRACTOR and provide insurance for bodily injury and property damage liability including coverage for:

premises and operations; products and completed operations; contractual liability insuring obligations assumed under paragraph 5.5, Indemnification; broad form property damage; and personal injury liability.

The minimum limits of liability shall be:

1. If the CONTRACTOR carries a *Comprehensive General Liability* policy, the limits of liability shall not be less than a Combined Single Limit for bodily injury, property damage and Personal Injury Liability of:

\$1,000,000 each occurrence  
\$2,000,000 aggregate

2. If the CONTRACTOR carries a *Commercial General Liability* policy, the limits of liability shall not be less than:

\$1,000,000 each occurrence (Combined Single Limit for bodily injury and property damage)  
\$1,000,000 for Personal Injury Liability

\$2,000,000 aggregate for Products-Completed Operations  
\$2,000,000 general aggregate

The State of Alaska, DEPARTMENT of Transportation and Public Facilities shall be named as an "Additional Insured" under all liability coverage's listed above.

- c. Automobile Liability Insurance:

Such insurance shall cover all owned, hired and non-owned vehicles and provide coverage not less than that of the Business Automobile Policy in limits not less than the following:

\$1,000,000 each occurrence  
(Combined Single Limit for bodily injury and property damage.)

- d. Builder's Risk Insurance:

Coverage shall be on an "All Risk" completed value basis including "quake and flood" and protect the interests of the DEPARTMENT, the CONTRACTOR and his Subcontractors. Coverage shall include all materials, supplies and equipment that are intended for specific installation in the Project while such materials, supplies and equipment are located at the Project site, in transit from port of arrival to job site and while temporarily located away from the Project site.

In addition to providing the above coverage's the CONTRACTOR shall ensure that Subcontractors provide insurance coverage's as noted in clauses a., b., and c. of this subparagraph. Builders Risk Insurance will only be required of subcontractors if so stated in the Supplementary Conditions.

- e. Other Coverage's:

As specified in the Supplementary Conditions.



5.4.3 In addition to providing the above coverages the Contractor shall, in any contract or agreement with subcontractors performing work, require that all indemnities and waivers of subrogation it obtains, and that any stipulation to be named as an additional insured it obtains, also be extended to waive rights of subrogation against the State of Alaska and to add the State of Alaska as additional named indemnitee and as additional insured.

Evidence of insurance shall be furnished to the Department prior to the award of the contract. Such evidence, executed by the carrier's representative and issued to the Department, shall consist of a certificate of insurance or the policy declaration page with required endorsements attached thereto which denote the type, amount, class of operations covered, effective (and retroactive) dates, and dates of expiration. Acceptance by the Department of deficient evidence does not constitute a waiver of contract requirements.

When a certificate of insurance is furnished, it shall contain the following statement:

"This is to certify that the policies described herein comply with all aspects of the insurance requirements of (Project Name and Number)"

#### **5.5 Indemnification:**

The CONTRACTOR shall indemnify, save harmless, and defend the DEPARTMENT, its agents and its employees from any and all claims, actions, or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from the construction or the CONTRACTOR's performance of this Contract; however, this provision has no effect if, but only if, the sole proximate cause of the injury or damage is the DEPARTMENT's negligence.

## ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES

### 6.1 Supervision of Work:

The CONTRACTOR shall supervise and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. All Work under this Contract shall be performed in a skillful and workmanlike manner. The CONTRACTOR shall be solely responsible for the means, methods, techniques, sequences and procedures of construction.

### 6.2 Superintendence by CONTRACTOR:

The CONTRACTOR shall keep on the Work at all times during its progress a competent resident superintendent. The Contracting Officer shall be advised in writing of the superintendent's name, local address, and telephone number. This written advice is to be kept current until Final Acceptance by the DEPARTMENT. The superintendent will be the CONTRACTOR's representative at the site and shall have full authority to act and sign documents on behalf of the CONTRACTOR.

All communications given to the superintendent shall be as binding as if given to the CONTRACTOR. The CONTRACTOR shall cooperate with the Contracting Officer in every way possible.

### 6.3 Character of Workers:

The CONTRACTOR shall provide a sufficient number of competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. The CONTRACTOR shall at all times maintain good discipline and order at the site. The Contracting Officer may, in writing, require the CONTRACTOR to remove from the Work any employee the Contracting Officer deems incompetent, careless, or otherwise detrimental to the progress of the Work, but the Contracting Officer shall have no duty to exercise this right.

### 6.4 CONTRACTOR to Furnish:

Unless otherwise specified in the General Requirements, the CONTRACTOR shall furnish and assume full responsibility for all materials, equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities and all other facilities and incidentals necessary for the furnishing, performance testing, start-up and completion of the Work.

### 6.5 Materials and Equipment:

All materials and equipment shall be of specified quality and new, except as otherwise provided in the Contract Documents. If required by the Contracting Officer, the CONTRACTOR shall furnish satisfactory evidence (including reports of required tests) as to the kind and quality of materials and equipment. All materials and equipment shall be applied, installed, connected, erected, used, cleaned, and conditioned in accordance with the instructions of the applicable Supplier except as otherwise provided in the Contract Documents; but no provision of any such instructions will be effective to assign to the DEPARTMENT or any of the DEPARTMENT's Consultants, agents or employees, any duty or authority to supervise or direct the furnishing or performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of paragraphs 2.3 or 2.4.

### 6.6 Anticipated Schedules:

- 6.6.1 Within fourteen (14) calendar days after the date of the Notice to Proceed, the CONTRACTOR shall submit to the Contracting Officer for review an anticipated progress schedule indicating the starting and completion dates of the various stages of the Work. No individual stage of work shall exceed fourteen (14) calendar days.

- 6.6.2 Within twenty one (21) days after the date of the Notice to Proceed, the CONTRACTOR shall submit to the Contracting Officer for review an anticipated schedule of Shop Drawing submissions
- 6.6.3 Prior to submitting the CONTRACTOR's first Application for Payment, the CONTRACTOR shall submit for review and approval:

Anticipated Schedule of Values for all of the Work which will include quantities and prices of items aggregating the Contract Price and will subdivide the Work into component parts in sufficient detail to serve as the basis for progress payments during construction. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work which will be confirmed in writing by the CONTRACTOR at the time of submission.

#### 6.7 Finalizing Schedules:

Prior to processing the first Application for Payment the Contracting Officer and the CONTRACTOR will finalize schedules required by paragraph 6.6. The finalized progress schedule will be acceptable to the DEPARTMENT as providing information related to the orderly progression of the Work to completion within the Contract Time; but such acceptance will neither impose on the DEPARTMENT nor relieve the CONTRACTOR from full responsibility for the progress or scheduling of the Work. If accepted, the finalized schedule of Shop Drawing and other required submissions will be acknowledgment by the DEPARTMENT as providing a workable arrangement for processing the submissions. If accepted, the finalized Schedule of Values will be acknowledgment by the DEPARTMENT as an approximation of anticipated value of Work accomplished over the anticipated Contract Time. Receipt and acceptance of a schedule submitted by the CONTRACTOR shall not be construed to assign responsibility for performance or contingencies to the DEPARTMENT or relieve the CONTRACTOR of his responsibility to adjust his forces, equipment, and work schedules as may be necessary to insure completion of the Work within prescribed Contract Time. Should the prosecution of the Work be discontinued for any reason, the CONTRACTOR shall notify the Contracting Officer at least 24 hours in advance of resuming operations.

#### 6.8 Adjusting Schedules:

Upon substantial changes to the schedule or upon request the CONTRACTOR shall submit to the Contracting Officer for acceptance (to the extent indicated in paragraph 6.7 and the General Requirements) adjustments in the schedules to reflect the actual present and anticipated progress of the Work.

#### 6.9 Substitutes or "Or-Equal" Items:

- 6.9.1 Whenever materials or equipment are specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier the naming of the item is intended to establish the type, function and quality required. Unless the name is followed by words indicating that substitution is limited or not permitted, materials or equipment of other Suppliers may be accepted by the Contracting Officer only if sufficient information is submitted by the CONTRACTOR which clearly demonstrates to the Contracting Officer that the material or equipment proposed is equivalent or equal in all aspects to that named. The procedure for review by the Contracting Officer will include the following as supplemented in the General Requirements.
- 6.9.2 Requests for review of substitute items of material and equipment will not be accepted by the Contracting Officer from anyone other than the CONTRACTOR.

- 6.9.3 If the CONTRACTOR wishes to furnish or use a substitute item of material or equipment, the CONTRACTOR shall make written application to the Contracting Officer for Approval thereof, certifying that the proposed substitute will perform adequately the functions and achieve the results called for by the general design, be similar and of equal substance to that specified and be suited to the same use as the specified. The application will state that the evaluation and Approval of the proposed substitute will not delay the CONTRACTOR's timely achievement of Substantial or Final Completion, whether or not acceptance of the substitute for use in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with the DEPARTMENT for Work on the Project) to adapt the design to the proposed substitute and whether or not incorporation or use of the substitute in connection with the Work is subject to payment of any license fee or royalty.
- 6.9.4 All variations of the proposed substitute from that specified will be identified in the application and available maintenance, repair and replacement service will be indicated. The application will also contain an itemized estimate of all costs that will result directly or indirectly from acceptance of such substitute, including costs of redesign and claims of other contractors affected by the resulting change, all of which shall be considered by the DEPARTMENT in evaluating the proposed substitute. The DEPARTMENT may require the CONTRACTOR to furnish at the CONTRACTOR's expense additional data about the proposed substitute. The Contracting Officer may reject any substitution request which the Contracting Officer determines is not in the best interest of the DEPARTMENT.
- 6.9.5 Substitutions shall be permitted during or after the bid period as allowed and in accordance with Document 00020- Invitation for Bids, Document 00700-General Conditions, and Document 01630- Product Options and Substitutions.

#### 6.10 Substitute Means and Methods:

If a specific means, method, technique, sequence or procedure of construction is indicated in or required by the Contract Documents, the CONTRACTOR may furnish or utilize a substitute means, method, sequence, technique or procedure of construction acceptable to the Contracting Officer, if the CONTRACTOR submits sufficient information to allow the Contracting Officer to determine that the substitute proposed is equivalent to that indicated or required by the Contract Documents. The procedure for review by the Contracting Officer will be similar to that provided in paragraph 6.9 as applied by the Contracting Officer and as may be supplemented in the General Requirements.

#### 6.11 Evaluation of Substitution:

The Contracting Officer will be allowed a reasonable time within which to evaluate each proposed substitute. The Contracting Officer will be the sole judge of acceptability, and no substitute will be ordered, installed or utilized without the Contracting Officer's prior written Approval which will be evidenced by either a Change Order or a Shop Drawing Approved in accordance with Sections 6.20 and 6.21. The Contracting Officer may require the CONTRACTOR to furnish at the CONTRACTOR's expense a special performance guarantee or other Surety with respect to any substitute.

#### 6.12 Dividing the Work:

The divisions and sections of the Specifications and the identifications of any Drawings shall not control the CONTRACTOR in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.

#### 6.13 Subcontractors:

The CONTRACTOR may utilize the services of appropriately licensed Subcontractors on those parts of the Work which, under normal contracting practices, are performed by Subcontractors, in accordance with the following conditions:

- 6.13.1 The CONTRACTOR shall not award any Work to any Subcontractor without prior written Approval of the Contracting Officer. This Approval will not be given until the CONTRACTOR submits to the Contracting Officer a written statement concerning the proposed award to the Subcontractor which shall contain required Equal Employment Opportunity documents, evidence of insurance whose limits are acceptable to the CONTRACTOR, and an executed copy of the subcontract. All subcontracts shall contain provisions for prompt payment, release of retainage, and interest on late payment amounts and retainage as specified in A.S. 36.90.210. Contracts between subcontractors, regardless of tier, must also contain these provisions. No acceptance by the Contracting Officer of any such Subcontractor shall constitute a waiver of any right of the DEPARTMENT to reject Defective Work.
- 6.13.2 The CONTRACTOR shall be fully responsible to the DEPARTMENT for all acts and omissions of the Subcontractors, Suppliers and other persons and organizations performing or furnishing any of the Work under a direct or indirect contract with CONTRACTOR just as CONTRACTOR is responsible for CONTRACTOR's own acts and omissions.
- 6.13.3 All Work performed for CONTRACTOR by a Subcontractor will be pursuant to an appropriate written agreement between CONTRACTOR and the Subcontractor which specifically binds the Subcontractor to the applicable terms and conditions of the Contract Documents for the benefit of the DEPARTMENT and contains waiver provisions as required by paragraph 13.17 and termination provisions as required by Article 14.
- 6.13.4 Nothing in the Contract Documents shall create any contractual relationship between the DEPARTMENT and any such Subcontractor, Supplier or other person or organization, nor shall it create any obligation on the part of the DEPARTMENT to pay or to see to the payment of any moneys due any such Subcontractor, Supplier or other person or organization except as may otherwise be required by Regulatory Requirements. The DEPARTMENT will not undertake to settle any differences between or among the CONTRACTOR, Subcontractors, or Suppliers.
- 6.13.5 The CONTRACTOR and Subcontractors shall coordinate their work and cooperate with other trades so to facilitate general progress of Work. Each trade shall afford other trades every reasonable opportunity for installation of their work and storage of materials. If cooperative work of one trade must be altered due to lack of proper supervision or failure to make proper provisions in time by another trade, such conditions shall be remedied by the CONTRACTOR with no change in Contract Price or Contract Time.
- 6.13.6 The CONTRACTOR shall include on his own payrolls any person or persons working on this Contract who are not covered by written subcontract, and shall ensure that all Subcontractors include on their payrolls all persons performing Work under the direction of the Subcontractor.

6.14 Use of Premises:

The CONTRACTOR shall confine construction equipment, the storage of materials and equipment and the operations of workers to the Project limits and approved remote storage sites and lands and areas identified in and permitted by Regulatory Requirements, rights-of-way, permits and easements, and shall not unreasonably encumber the premises with construction equipment or other materials or equipment. The CONTRACTOR shall assume full responsibility for any damage to any such land or area, or to the owner or occupant thereof or of any land or areas contiguous thereto, resulting from the performance of the Work. Should any claim be made against the DEPARTMENT by any such owner or occupant because of the performance of the Work, the CONTRACTOR shall hold the DEPARTMENT harmless.

6.15 Structural Loading:

The CONTRACTOR shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall the CONTRACTOR subject any part of the Work or adjacent property to stresses or pressures that will endanger it.

6.16 Record Documents:

The CONTRACTOR shall maintain in a safe place at the site one record copy of all Drawings, Specifications, Addenda, Directives, Change Orders, Supplemental Agreements, and written interpretations and clarifications (issued pursuant to paragraph 3.6) in good order and annotated to show all changes made during construction. These record documents together with all Approved samples and a counterpart of all Approved Shop Drawings will be available to the Contracting Officer for reference and copying. Upon completion of the Work, the annotated record documents, samples and Shop Drawings will be delivered to the Contracting Officer. Record documents shall accurately record variations in the Work which vary from requirements shown or indicated in the Contract Documents.

6.17 Safety and Protection:

The CONTRACTOR alone shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. The CONTRACTOR shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:

- 6.17.1 All employees on the Work and other persons and organizations who may be affected thereby;
- 6.17.2 All the Work and materials and equipment to be incorporated therein, whether in storage on or off the site; and
- 6.17.3 Other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation or replacement in the course of construction.

The CONTRACTOR shall comply with all applicable Regulatory Requirements of any public body having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss; and shall erect and maintain all necessary safeguards for such safety and protection. The CONTRACTOR shall notify owners of adjacent property and utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation and replacement of their property. All damage, injury or loss to any property caused, directly or indirectly, in whole or in part, by the CONTRACTOR, any Subcontractor, Supplier or any other person or organization directly or indirectly employed by any of them to perform or furnish any of the Work or anyone for whose acts any of them may be liable, shall be remedied by the CONTRACTOR with no change in Contract Price or Contract Time except as stated in 4.6, except damage or loss attributable to unforeseeable causes beyond the control of and without the fault or negligence of the CONTRACTOR, including but not restricted to acts of God, of the public enemy or governmental authorities. The CONTRACTOR's duties and responsibilities for the safety and protection of the Work shall continue until Final Acceptance (except as otherwise expressly provided in connection with Substantial Completion).

6.18 Safety Representative:

The CONTRACTOR shall designate a responsible safety representative at the site. This person shall be the CONTRACTOR's superintendent unless otherwise designated in writing by the CONTRACTOR to the Contracting Officer.

6.19 Emergencies:

In emergencies affecting the safety or protection of persons or the Work or property at the site or adjacent thereto, the CONTRACTOR, without special instruction or authorization from the DEPARTMENT, is obligated to act to prevent threatened damage, injury or loss. The CONTRACTOR shall give the Contracting Officer prompt written notice if the CONTRACTOR believes that any significant changes in the Work or variations from the Contract Documents have been caused thereby. If the DEPARTMENT determines that a change in the Contract Documents is required because of the action taken in response to an emergency, a change will be authorized by one of the methods indicated in Paragraph 9.2, as determined appropriate by the Contracting Officer.

## **6.20 Shop Drawings and Samples:**

- 6.20.1 After checking and verifying all field measurements and after complying with applicable procedures specified in the General Requirements, the CONTRACTOR shall submit to the Contracting Officer for review and Approval in accordance with the accepted schedule of Shop Drawing submissions the required number of all Shop Drawings, which will bear a stamp or specific written indication that the CONTRACTOR has satisfied CONTRACTOR's responsibilities under the Contract Documents with respect to the review of the submission. All submissions will be identified as the Contracting Officer may require. The data shown on the Shop Drawings will be complete with respect to quantities, dimensions, specified performance and design criteria, materials and similar data to enable the Contracting Officer to review the information as required.
- 6.20.2 The CONTRACTOR shall also submit to the Contracting Officer for review and Approval with such promptness as to cause no delay in Work, all samples required by the Contract Documents. All samples will have been checked by and accompanied by a specific written indication that the CONTRACTOR has satisfied CONTRACTOR's responsibilities under the Contract Documents with respect to the review of the submission and will be identified clearly as to material, Supplier, pertinent data such as catalog numbers and the use for which intended.
- 6.20.3 Before submission of each Shop Drawing or sample the CONTRACTOR shall have determined and verified all quantities, dimensions, specified performance criteria, installation requirements, materials, catalog numbers and similar data with respect thereto and reviewed or coordinated each Shop Drawing or sample with other Shop Drawings and samples and with the requirements of the Work and the Contract Documents.
- 6.20.4 At the time of each submission the CONTRACTOR shall give the Contracting Officer specific written notice of each variation that the Shop Drawings or samples may have from the requirements of the Contract Documents, and, in addition, shall cause a specific notation to be made on each Shop Drawing submitted to the Contracting Officer for review and Approval of each such variation. All variations of the proposed Shop Drawing from that specified will be identified in the submission and available maintenance, repair and replacement service will be indicated. The submittal will also contain an itemized estimate of all costs that will result directly or indirectly from acceptance of such variation, including costs of redesign and claims of other Contractors affected by the resulting change, all of which shall be considered by the DEPARTMENT in evaluating the proposed variation. If the variation may result in a change of Contract Time or Price, or Contract responsibility, and is not minor in nature; the CONTRACTOR must submit a written request for Change Order with the variation to notify the DEPARTMENT of his intent. The DEPARTMENT may require the CONTRACTOR to furnish at the CONTRACTOR's expense additional data about the proposed variation. The Contracting Officer may reject any variation request which the Contracting Officer determines is not in the best interest of the DEPARTMENT.

## **6.21 Shop Drawing and Sample Review:**

- 6.21.1 The Contracting Officer will review with reasonable promptness Shop Drawings and samples, but the Contracting Officer's review will be only for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents and shall not extend to means, methods, techniques, sequences or procedures of construction (except where a specific means, method, technique, sequence or procedure of construction is indicated in or required by the Contract Documents) or to safety precautions or programs incident thereto. The review of a separate item as such will not indicate acceptance of the assembly in which the item functions. The CONTRACTOR shall make corrections required by the Contracting Officer and shall return the required number of corrected copies of Shop Drawings and submit as required new samples for review. The CONTRACTOR shall direct specific attention in writing to revisions other than the corrections called for by the Contracting Officer on previous submittals.
- 6.21.2 The Contracting Officer's review of Shop Drawings or samples shall not relieve CONTRACTOR from responsibility for any variation from the requirements of the Contract Documents unless the CONTRACTOR has in writing advised the Contracting Officer of each such variation at the time of submission as required by paragraph 6.20.4. The Contracting Officer if he so determines, may give written Approval of each such variation by Change Order, except that, if the variation is minor and no Change Order has been requested a

specific written notation thereof incorporated in or accompanying the Shop Drawing or sample review comments shall suffice as a modification. Approval by the Contracting Officer will not relieve the CONTRACTOR from responsibility for errors or omissions in the Shop Drawings or from responsibility for having complied with the provisions of paragraph 6.20.3.

- 6.21.3 The DEPARTMENT shall be responsible for all DEPARTMENT review costs resulting from the initial submission and for resubmittal. The CONTRACTOR shall, at the discretion of the Contracting Agency, pay all review costs incurred by the DEPARTMENT as a result of any additional re-submittals.
- 6.21.4 Where a Shop Drawing or sample is required by the Specifications, any related Work performed prior to the Contracting Officer's review and Approval of the pertinent submission will be the sole expense and responsibility of the CONTRACTOR.

#### 6.22 Maintenance During Construction:

The CONTRACTOR shall maintain the Work during construction and until Substantial Completion, at which time the responsibility for maintenance shall be established in accordance with paragraph 13.10.

#### 6.23 Continuing the Work:

The CONTRACTOR shall carry on the Work and adhere to the progress schedule during all disputes or disagreements with the DEPARTMENT. No Work shall be delayed or postponed pending resolution of any disputes, disagreements, or claims except as the CONTRACTOR and the Contracting Officer may otherwise agree in writing.

#### 6.24 Consent to Assignment:

The CONTRACTOR shall obtain the prior written consent of the Contracting Officer to any proposed assignment of any interest in, or part of this Contract. The consent to any assignment or transfer shall not operate to relieve the CONTRACTOR or his Sureties of any of his or its obligations under this Contract or the Performance Bonds. Nothing herein contained shall be construed to hinder, prevent, or affect an assignment of monies due, or to become due hereunder, made for the benefit of the CONTRACTOR's creditors pursuant to law.

#### 6.25 Use of Explosives:

- 6.25.1 When the use of explosives is necessary for the prosecution of the Work, the CONTRACTOR shall exercise the utmost care not to endanger life or property, including new Work and shall follow all Regulatory Requirements applicable to the use of explosives. The CONTRACTOR shall be responsible for all damage resulting from the use of explosives.
- 6.25.2 All explosives shall be stored in a secure manner in compliance with all Regulatory Requirements, and all such storage places shall be clearly marked. Where no Regulatory Requirements apply, safe storage shall be provided not closer than 1,000 feet from any building, camping area, or place of human occupancy.
- 6.25.3 The CONTRACTOR shall notify each public utility owner having structures in proximity to the site of his intention to use explosives. Such notice shall be given sufficiently in advance to enable utility owners to take such steps as they may deem necessary to protect their property from injury. However, the CONTRACTOR shall be responsible for all damage resulting from the use of the explosives, whether or not, utility owners act to protect their property.

#### 6.26 CONTRACTOR's Records:

- 6.26.1 Records of the CONTRACTOR and Subcontractors relating to personnel, payrolls, invoices of materials, and any and all other data relevant to the performance of this Contract, must be kept on a generally recognized accounting system. Such records must be available during normal work hours to the Contracting Officer for purposes of investigation to ascertain compliance with Regulatory Requirements and provisions of the Contract Documents.



- 6.26.2 Payroll records must contain the name and address of each employee, his correct classification, rate of pay, daily and weekly number of hours of work, deductions made, and actual wages paid. The CONTRACTOR and Subcontractors shall make employment records available for inspection by the Contracting Officer and representatives of the U.S. and/or State Department of Labor and will permit such representatives to interview employees during working hours on the Project.
- 6.26.3 Records of all communications between the DEPARTMENT and the CONTRACTOR and other parties, where such communications affected performance of this Contract, must be kept by the CONTRACTOR and maintained for a period of three years from Final Acceptance. The DEPARTMENT or its assigned representative may perform an audit of these records during normal work hours after written notice to the CONTRACTOR.

6.27 Load Restrictions

The CONTRACTOR shall comply with all load restrictions as set forth in the "Administrative Permit Manual", and Title 17, Chapter 25, of the Alaska Administrative Code in the hauling of materials on public roads, beyond the limits of the project, and on all public roads within the project limits that are scheduled to remain in use upon completion of the project.

Overload permits may, at the discretion of the State, be issued for travel beyond the project limits for purposes of mobilization and/or demobilization. Issuance of such a permit will not relieve the CONTRACTOR of liability for damage which may result from the moving of equipment.

The operation of equipment of such weight or so loaded as to cause damage to any type of construction will not be permitted. No overloads will be permitted on the base course or surface course under construction. No loads will be permitted on a concrete pavement, base or structure before the expiration of the curing period. The CONTRACTOR shall be responsible for all damage done by his equipment.

## ARTICLE 7- LAWS AND REGULATIONS

### 7.1 Laws to be Observed

The CONTRACTOR shall keep fully informed of all federal and state Regulatory Requirements and all orders and decrees of bodies or tribunals having any jurisdiction or authority, which in any manner affect those engaged or employed on the Work, or which in any way affect the conduct of the Work. The CONTRACTOR shall at all times observe and comply with all such Regulatory Requirements, orders and decrees; and shall protect and indemnify the DEPARTMENT and its representatives against claim or liability arising from or based on the violation of any such Regulatory Requirement, order, or decree whether by the CONTRACTOR, Subcontractor, or any employee of either. Except where otherwise expressly required by applicable Regulatory Requirements, the DEPARTMENT shall not be responsible for monitoring CONTRACTOR's compliance with any Regulatory Requirements.

### 7.2 Permits, Licenses, and Taxes

- 7.2.1 The CONTRACTOR shall procure all permits and licenses, pay all charges, fees and taxes, and give all notices necessary and incidental to the due and lawful prosecution of the Work. As a condition of performance of this Contract, the CONTRACTOR shall pay all federal, state and local taxes incurred by the CONTRACTOR, in the performance of this Contract. Proof of payment of these taxes is a condition precedent to final payment by the DEPARTMENT under this Contract.
- 7.2.2 The CONTRACTOR's certification that taxes have been paid (as contained in the *Release of Contract*) will be verified with the Department of Revenue and Department of Labor, prior to final payment.
- 7.2.3 If any federal, state or local tax is imposed, charged, or repealed after the date of bid opening and is made applicable to and paid by the CONTRACTOR on the articles or supplies herein contracted for, then the Contract shall be increased or decreased accordingly by a Change Order.

### 7.3 Patented Devices, Materials and Processes

If the CONTRACTOR employs any design, device, material, or process covered by letters of patent, trademark or copyright, the CONTRACTOR shall provide for such use by suitable legal agreement with the patentee or owner. The CONTRACTOR and the Surety shall indemnify and save harmless the DEPARTMENT, any affected third party, or political subdivision from any and all claims for infringement by reason of the use of any such patented design, device, material or process, or any trademark or copyright, and shall indemnify the DEPARTMENT for any costs, expenses, and damages which it may be obliged to pay by reason of any infringement, at any time during the prosecution or after the completion of the Work.

### 7.4 Compliance of Specifications and Drawings:

If the CONTRACTOR observes that the Specifications and Drawings supplied by the DEPARTMENT are at variance with any Regulatory Requirements, CONTRACTOR shall give the Contracting Officer prompt written notice thereof, and any necessary changes will be authorized by one of the methods indicated in paragraph 9.2. as determined appropriate by the Contracting Officer. If the CONTRACTOR performs any Work knowing or having reason to know that it is contrary to such Regulatory Requirements, and without such notice to the Contracting Officer, the CONTRACTOR shall bear all costs arising therefrom; however, it shall not be the CONTRACTOR's primary responsibility to make certain that the Specifications and Drawings supplied by the DEPARTMENT are in accordance with such Regulatory Requirements.

### 7.5 Accident Prevention:

The CONTRACTOR shall comply with AS 18.60.075 and all pertinent provisions of the Construction Code Occupational Safety and Health Standards issued by the Alaska Department of Labor.

## 7.6 Sanitary Provisions:

The CONTRACTOR shall provide and maintain in a neat and sanitary condition such accommodations for the use of his employees and DEPARTMENT representatives as may be necessary to comply with the requirements of the State and local Boards of Health, or of other bodies or tribunals having jurisdiction.

## 7.7 Business Registration:

Comply with AS 08.18.011, as follows: "it is unlawful for a person to submit a bid or work as a contractor until he has been issued a certificate of registration by the Department of Commerce. A partnership or joint venture shall be considered registered if one of the general partners or venturers whose name appears in the name under which the partnership or venture does business is registered."

## 7.8 Professional Registration and Certification:

All craft trades, architects, engineers and land surveyors, electrical administrators, and explosive handlers employed under the Contract shall specifically comply with applicable provisions of AS 08.18, 08.48, 08.40, and 08.52. Provide copies of individual licenses within seven days following a request from the Contracting Officer.

## 7.9 Local Building Codes:

The CONTRACTOR shall comply with AS 35.10.025 which requires construction in accordance with applicable local building codes to include the obtaining of required permits.

## 7.10 Air Quality Control:

The CONTRACTOR shall comply with all applicable provisions of AS 46.03.04 as pertains to Air Pollution Control.

## 7.11 Archaeological or Paleontological Discoveries:

When the CONTRACTOR's operation encounters prehistoric artifacts, burials, remains of dwelling sites, or paleontological remains, such as shell heaps, land or sea mammal bones or tusks, the CONTRACTOR shall cease operations immediately and notify the Contracting Officer. No artifacts or specimens shall be further disturbed or removed from the ground and no further operations shall be performed at the site until so directed. Should the Contracting Officer order suspension of the CONTRACTOR's operations in order to protect an archaeological or historical finding, or order the CONTRACTOR to perform extra Work, such shall be covered by an appropriate Contract change document.

## 7.12 Applicable Alaska Preferences:

7.12.1 In determining the low bidder for State funded projects, a 5% bid preference has been given to "Alaska bidders", as required under AS 36.30.170. "Alaska bidder" means a person who:

- (1) holds a current Alaska business license;
- (2) submits a bid for goods, services, or construction under the name as appearing on the person's current Alaska business license
- (3) has maintained a place of business within the state staffed by the bidder or an employee of the bidder for a period of six months immediately preceding the date of the bid;
- (4) is incorporated or qualified to do business under the laws of the state, is a sole proprietorship, and the proprietor is a resident of the state or is a partnership, and all partners are residents of the state; and
- (5) if a joint venture, is composed entirely of ventures that qualify under (1) through (4), above.

7.12.2 In determining the low bidder for State funded projects, an "Alaska products" preference has been given as required under AS 36.30.326 - 36.30.332, when the bidder designates the use of Alaska products. The Bidder shall complete the Alaska Products Preference Worksheet per its instructions and submit it with the Bid

Proposal. If the successful Bidder/CONTRACTOR proposes to use an Alaska product and does not do so, a penalty will be assessed against the successful Bidder/CONTRACTOR in an amount equal to the product preference percentage granted to the successful Bidder/CONTRACTOR plus one percent multiplied by the total declared value of the Alaska products proposed but not used.

- 7.12.3 Pursuant to AS 36.15.050 and AS 36.30.322, "agricultural/wood" products harvested in Alaska shall be used in State funded projects whenever they are priced no more than seven percent above agricultural/wood products harvested outside the state and are of a like quality as compared with agricultural/wood products harvested outside the state, when such products are not utilized, the CONTRACTOR shall document the efforts he made towards obtaining agricultural/wood products harvested in Alaska and include in this documentation a written statement that he contacted the manufacturers and suppliers identified on the Department of Commerce and Economic Development's list of suppliers of Alaska forest products concerning the availability of agricultural/wood products harvested in Alaska and, if available, the product prices. The CONTRACTOR's use of agricultural/wood products that fail to meet the requirements of this section shall be subject to the provisions of paragraphs 12.6 through 12.9 relating to Defective Work.
- 7.12.4 The CONTRACTOR shall maintain records, in a format acceptable to the Contracting Officer, which establish the type and extent of "agricultural/wood" and "Alaska" products utilized. All record keeping and documentation associated with the requirements 7.12.2 and 7.12.3 of this paragraph, must be provided to the DEPARTMENT upon written request or as otherwise provided within the Contract Documents.

### **7.13 Wages and Hours of Labor:**

- 7.13.1 One certified copy of all payrolls shall be submitted weekly to the State Department of Labor and, upon request, to the Contracting Officer to assure compliance with AS 36.05.040, *Filing Schedule of Employees Wages Paid and Other Information*. The CONTRACTOR shall be responsible for the submission of certified copies of payrolls of all Subcontractors. The certification shall affirm that the payrolls are current and complete, that the wage rates contained therein are not less than the applicable rates referenced in these Contract Documents, and that the classification set forth for each laborer or mechanic conforms with the Work he performed. The CONTRACTOR and his Subcontractors shall attend all hearings and conferences and produce such books, papers, and documents all as requested by the Department of Labor. Should federal funds be involved, the appropriate federal agency shall also receive a copy of the CONTRACTOR's certified payrolls. Regardless of project funding source, copies of all certified payrolls supplied to the State Department of Labor by the CONTRACTOR shall be supplied also to the Project Manager upon request, including submittals made by, or on behalf of, subcontractors.
- 7.13.2 The following labor provisions shall also apply to this Contract:
- a. The CONTRACTOR and his Subcontractors shall pay all employees unconditionally and not less than once a week;
  - b. wages may not be less than those stated under AS 36.05.010, regardless of the contractual relationship between the CONTRACTOR or Subcontractors and laborers, mechanics, or field surveyors;
  - c. the scale of wages to be paid shall be posted by the CONTRACTOR in a prominent and easily accessible place at the site of the Work;
  - d. the DEPARTMENT shall withhold so much of the accrued payments as is necessary to pay to laborers, mechanics, or field surveyors employed by the CONTRACTOR or Subcontractors the difference between
    1. the rates of wages required by the Contract to be paid laborers, mechanics, or field surveyors on the Work, and
    2. the rates of wages in fact received by laborers, mechanics or field surveyors.

7.13.3 Within three calendar days of award of a construction contract, the CONTRACTOR shall file a "Notice of Work" with the Department of Labor and shall pay all related fees. The Contracting Officer will not issue Notice to Proceed to the CONTRACTOR until such notice and fees have been paid to the State Department of Labor. Failure of the CONTRACTOR to file the Notice of Work and pay fees within this timeframe shall not constitute grounds for an extension of contract time or adjustment of contract price.

**7.14 Overtime Work Hours and Compensation:**

Pursuant to 40 U.S.C. 327-330 and AS 23.10.060 - .110, the CONTRACTOR shall not require or permit any laborer or mechanic in any workweek in which he is employed on any Work under this Contract to work in excess of eight hours in any Calendar Day or in excess of forty hours in such workweek on Work subject to the provisions of the *Contract Work Hours and Safety Standards Act* unless such laborer or mechanic receives compensation at a rate not less than one and one half times his basic rate of pay for all such hours worked in excess of eight hours in any Calendar Day or in excess of forty hours in such workweek whichever is the greater number of overtime hours. In the event of any violation of this provision, the CONTRACTOR shall be liable to any affected employee for any amounts due and penalties and to the DEPARTMENT for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic employed in violation of this provision in the sum of \$10.00 for each Calendar Day on which such employee was required or permitted to be employed on such Work in excess of eight hours or in excess of the standard workweek of forty hours without payment of the overtime wages required by this paragraph.

## ARTICLE 8- OTHER WORK

### 8.1 Related Work at Site:

- 8.1.1 The DEPARTMENT reserves the right at any time to contract for and perform other or additional work on or near the Work covered by the Contract.
- 8.1.2 When separate contracts are let within the limits of the Project, the CONTRACTOR shall conduct his Work so as not to interfere with or hinder the work being performed by other contractors. The CONTRACTOR when working on the same Project with other contractors shall cooperate with such other contractors. The CONTRACTOR shall join his Work with that of the others in an acceptable manner and shall perform it in proper sequence to that of others.
- 8.1.3 If the fact that other such work is to be performed is identified or shown in the Contract Documents the CONTRACTOR shall assume all liability, financial or otherwise, in connection with this Contract and indemnify and save harmless the DEPARTMENT from any and all damages or claims that may arise because of inconvenience, delay, or loss experienced by the CONTRACTOR because of the presence and operations of other contractors.
- 8.1.4 If the fact that such other work is to be performed was not identified or shown in the Contract Documents, written notice thereof will be given to the CONTRACTOR prior to starting any such other work. If the CONTRACTOR believes that such performance will require an increase in Contract Price or Contract Time, the CONTRACTOR shall notify the Contracting Officer of such required increase within fifteen (15) calendar days following receipt of the Contracting Officer's notice. Should the Contracting Officer find such increase(s) to be justified, a Change Order will be executed.

### 8.2 Access, Cutting, and Patching:

The CONTRACTOR shall afford each utility owner and any other contractor who is a party to such a direct contract with the DEPARTMENT (or the DEPARTMENT, if the DEPARTMENT is performing the additional work with the DEPARTMENT's employees) proper and safe access to the site and a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such work, and shall properly connect and coordinate the Work with the work of others. The CONTRACTOR shall do all cutting, fitting and patching of the Work that may be required to make its several parts come together properly and integrate with such other work, the CONTRACTOR shall not endanger any work of others by cutting, excavating or otherwise altering their work and will only cut or alter such other work with the written consent of the Contracting Officer. The duties and responsibilities of the CONTRACTOR under this paragraph are for the benefit of other contractors to the extent that there are comparable provisions for the benefit of the CONTRACTOR in said direct contracts between the DEPARTMENT and other contractors.

### 8.3 Defective Work by Others:

If any part of the CONTRACTOR's Work depends for proper execution or results upon the work of any such other contractor, utility owner, or the DEPARTMENT, the CONTRACTOR shall inspect and promptly report to the Contracting Officer in writing any delays, defects or deficiencies in such work that render it unavailable or unsuitable for such proper execution and results. The CONTRACTOR's failure to so report will constitute an acceptance of the other work as fit and proper for integration with CONTRACTOR's Work except for latent or nonapparent defects and deficiencies in the other work.

### 8.4 Coordination:

If the DEPARTMENT contracts with others for the performance of other work at the site, Contracting Officer will have authority and responsibility for coordination of the activities among the various prime contractors.

## **ARTICLE 9 - CHANGES**

### **9.1 DEPARTMENT's Right to Change:**

Without invalidating the Contract and without notice to any Surety, the DEPARTMENT may, at any time or from time to time, order additions, deletions or revisions in the Work within the general scope of the Contract, including but not limited to changes:

- 9.1.1 In the Contract Documents;
- 9.1.2 In the method or manner of performance of the Work;
- 9.1.3 In State-furnished facilities, equipment, materials, services, or site;
- 9.1.4 Directing acceleration in the performance of the Work.

### **9.2 Authorization of Changes within the General Scope:**

Additions, deletions, or revisions in the Work within the general scope of the Contract as specified in 9.1 shall be authorized by one or more of following ways:

- 9.2.1 Directive (pursuant to paragraph 9.3)
- 9.2.2 A Change Order (pursuant to paragraph 9.4)
- 9.2.3 DEPARTMENT's acceptance of Shop Drawing variations from the Contract Documents as specifically identified by the CONTRACTOR as required by paragraph 6.20.4.

### **9.3 Directive:**

- 9.3.1 The Contracting Officer shall provide written clarification or interpretation of the Contract Documents (pursuant to paragraph 3.6).
- 9.3.2 The Contracting Officer may authorize minor variations in the Work from the requirements of the Contract Documents which do not involve an adjustment in the Contract Price or the Contract Time and are consistent with the overall intent of the Contract Documents.
- 9.3.3 The Contracting Officer may order the Contractor to correct Defective Work or methods which are not in conformance with the Contract Documents.
- 9.3.4 The Contracting Officer may direct the commencement or suspension of Work or emergency related Work (as provided in paragraph 6.19).
- 9.3.5 Upon the issuance of a Directive to the CONTRACTOR by the Contracting Officer, the CONTRACTOR shall proceed with the performance of the Work as prescribed by such Directive.
- 9.3.6 If the CONTRACTOR believes that the changes noted in a Directive may cause an increase in the Contract Price or an extension of Contract Time, the CONTRACTOR shall immediately provide written notice to the Contracting Officer depicting such increases before proceeding with the Directive, except in the case of an emergency. If the Contracting Officer finds the increase in Contract Price or the extension of Contract Time justified, a Change Order will be issued. If however, the Contracting Officer does not find that a Change Order is justified, the Contracting Officer may direct the CONTRACTOR to proceed with the Work. The CONTRACTOR shall cooperate with the Contracting Officer in keeping complete daily records of the cost of such Work. If a Change Order is ultimately determined to be justified, in the absence of agreed prices and unit prices, payment for such Work will be made on a "cost of the work basis" as provided in 10.4

#### **9.4 Change Order:**

A change in Contract Time, Contract Price, or responsibility may be made for changes within the scope of the Work by Change Order. Upon receipt of an executed Change Order, the CONTRACTOR shall promptly proceed with the Work involved which will be performed under the applicable conditions of the Contract Documents except as otherwise specifically provided. Changes in Contract Price and Contract Time shall be made in accordance with Articles 10 and 11. A Change Order shall be considered executed when it is signed by the DEPARTMENT.

#### **9.5 Shop Drawing Variations:**

Variations by shop drawings shall only be eligible for consideration under 9.4 when the conditions affecting the price, time, or responsibility are identified by the CONTRACTOR in writing and a request for a Change Order is submitted as per 6.20.4.

#### **9.6 Changes Outside the General Scope; Supplemental Agreement:**

Any change which is outside the general scope of the Contract, as determined by the Contracting Officer, must be authorized by a Supplemental Agreement signed by the appropriate representatives of the DEPARTMENT and the CONTRACTOR.

#### **9.7 Unauthorized Work:**

The CONTRACTOR shall not be entitled to an increase in the Contract Price or an extension of the Contract Time with respect to any work performed that is not required by the Contract Documents as amended, modified and supplemented as provided in this Article 9, except in the case of an emergency as provided in paragraph 6.19 and except in the case of uncovering Work as provided in paragraph 12.4.2.

#### **9.8 Notification of Surety:**

If notice of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Time) is required by the provisions of any bond to be given to a Surety, the giving of any such notice will be the CONTRACTOR's responsibility, and the amount of each applicable bond will be adjusted accordingly.

#### **9.9 Differing Site Conditions:**

9.9.1 The CONTRACTOR shall promptly, and before such conditions are disturbed (except in an emergency as permitted by paragraph 6.19), notify the Contracting Officer in writing of: (1) subsurface or latent physical conditions at the site differing materially from those indicated in the Contract, and which could not have been discovered by a careful examination of the site, or (2) unknown physical conditions at the site, of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in this Contract. The Contracting Officer shall promptly investigate the conditions, and if the Contracting Officer finds that such conditions do materially so differ and cause an increase or decrease in the CONTRACTOR's cost of, or time required for, performance of this Contract, an adjustment shall be made and the Contract modified in writing accordingly. An adjustment in compensation shall be computed under Article 10.

9.9.2 Any claim for additional compensation by the CONTRACTOR, under this clause shall be made in accordance with Article 15. In the event that the Contracting Officer and the CONTRACTOR are unable to reach an agreement concerning an alleged differing site condition, the CONTRACTOR will be required to keep an accurate and detailed record which will indicate the actual "cost of the work" done under the alleged differing site condition. Failure to keep such a record shall be a bar to any recovery by reason of such alleged differing site conditions. The Contracting Officer shall be given the opportunity to supervise and check the keeping of such records.



9.10 **Interim Work Authorization:**

An Interim Work Authorization may be used to establish a change within the scope of the Work; however, only a Change Order shall establish associated changes in Contract Time and Price. Work authorized by Interim Work Authorization shall be converted to a Change Order. The basis of payment shall be as stated in the Interim Work Authorization, unless it states that the basis of payment has not been established and is to be negotiated, in which case the Cost of the Work shall be documented pursuant to Article 10.4, to establish a basis for negotiating a lump sum price for the Change Order.

## **ARTICLE 10- CONTRACT PRICE; COMPUTATION AND CHANGE**

### **10.1 Contract Price:**

The Contract Price constitutes the total compensation (subject to authorized adjustments) payable to the CONTRACTOR for performing the Work. All duties, responsibilities and obligations assigned to or undertaken by the CONTRACTOR shall be at his expense without change in the Contract Price. The Contract Price may only be changed by a Change Order or Supplemental Agreement.

### **10.2 Claim for Price Change:**

Any claim for an increase or decrease in the Contract Price shall be submitted in accordance with the terms of Article 15, and shall not be allowed unless notice requirements of this Contract have been met.

### **10.3 Change Order Price Determination:**

The value of any Work covered by a Change Order for an increase or decrease in the Contract Price shall be determined in one of the following ways:

- 10.3.1 Where the Work involved is covered by unit prices contained in the Contract Documents, by application of unit prices to the quantities of the items involved (subject to the provisions of subparagraphs 10.9.1 through 10.9.3, inclusive).
- 10.3.2 By mutual acceptance of a lump sum (fixed price) which includes overhead and profit. The lump sum (fixed price) shall be negotiated on the basis of the estimated "cost of the work" in accordance with Articles 10.4 and 10.5. The following maximum rates of cost markup (to cover both overhead and profit of the CONTRACTOR) shall be used in the negotiation of a Lump Sum Change Order:
  - a. For costs incurred under paragraphs 10.4.1 and 10.4.2, the CONTRACTOR's fee shall be twenty percent;
  - b. For costs incurred under paragraph 10.4.3, the CONTRACTOR's fee shall be ten percent; and if a subcontract is on the basis of "cost of the work" plus a fee, the maximum allowable to CONTRACTOR on account of overhead and profit for itself and all Subcontractors and multiple tiers thereof shall be fifteen percent of the cost incurred by the subcontractor actually performing the work;
  - c. No fee shall be payable on the basis of costs itemized under paragraphs 10.4.4, 10.4.5 and 10.5;
  - d. The amount of credit to be allowed by the CONTRACTOR to the DEPARTMENT for any such change which results in a net decrease in cost will be the amount of the actual net decrease plus a deduction in CONTRACTOR's fee by an amount equal to twenty percent of the net decrease; and
  - e. When both additions and credits are involved in any one change, the adjustment in CONTRACTOR's fee shall be computed on the basis of the net change in accordance with paragraphs 10.3.2.a through 10.3.2.d, inclusive
- 10.3.3 When 10.3.1 and 10.3.2 are inapplicable, on the basis of the "cost of the work" (determined as provided in paragraphs 10.4 and 10.5) plus a CONTRACTOR's fee for overhead and profit (determined as provided in paragraph 10.6).
- 10.3.4 Before a Change Order or Supplemental Agreement is Approved, the CONTRACTOR shall submit cost or pricing data regarding the changed or extra Work. The CONTRACTOR shall certify that the data submitted is, to his best knowledge and belief, accurate, complete and current as of a mutually determined specified date and that such data will continue to be accurate and complete during the performance of the changed or extra Work.

#### 10.4 Cost of the Work:

The term "cost of the work" means the sum of all costs necessarily incurred and paid by the CONTRACTOR in the proper performance of the Work. Except as otherwise may be agreed to in writing by the DEPARTMENT, such costs shall be in amount no higher than those prevailing in the locality of the Project, shall include only the following items and shall not include any of the costs itemized in subparagraph 10.5:

- 10.4.1 Payroll costs for employees in the direct employ of the CONTRACTOR in the performance of the Work under schedules of job classifications agreed upon by the DEPARTMENT and the CONTRACTOR. Payroll costs for employees not employed full time on the Work shall be apportioned on the basis of their time spent on the Work. Payroll costs shall be limited to, salaries and wages plus the cost of fringe benefits which shall include social security contributions, unemployment, excise and payroll taxes, workers' or workmen's compensation, health and retirement benefits, bonuses, sick leave, vacation and holiday pay applicable thereto. Such employees shall include manual workers up through the level of foreman but shall not include general foremen, superintendents, and non-manual employees. The expenses of performing Work after regular working hours, on Saturday, Sunday or legal holidays, shall be included in the above to the extent authorized by the DEPARTMENT.
- 10.4.2 Cost of all materials and equipment furnished and incorporated or consumed in the Work, including costs of transportation and storage thereof, and Suppliers' field services required in connection therewith. All cash discounts shall accrue to the CONTRACTOR unless the DEPARTMENT deposits funds with the CONTRACTOR with which to make payments, in which case the cash discounts shall accrue to the DEPARTMENT. All trade discounts, rebates and refunds and all returns from sale of surplus materials and equipment shall accrue to the DEPARTMENT, and the CONTRACTOR shall make provisions so that they may be obtained.
- 10.4.3 Payments made by the CONTRACTOR to Subcontractors for Work performed by Subcontractors. If required by the DEPARTMENT, CONTRACTOR shall obtain competitive quotes from Subcontractors or Suppliers acceptable to the CONTRACTOR and shall deliver such quotes to the DEPARTMENT who will then determine which quotes will be accepted. If a subcontract provides that the Subcontractor is to be paid on the basis of "cost of the work" plus a fee, the Subcontractor' "cost of the work" shall be determined in the same manner as the CONTRACTOR's "cost of work" as described in paragraphs 10.4 through 10.5; and the Subcontractor's fee shall be established as provided for under subparagraph 10.6.2 clause b. All subcontracts shall be subject to the other provisions of the Contract Documents insofar as applicable.
- 10.4.4 Costs of special consultants (including but not limited to engineers, architects, testing laboratories, and surveyors) employed for services necessary for the completion of the Work.
- 10.4.5 Supplemental costs including the following:
  - a. The proportion of necessary transportation, travel and subsistence expenses of the CONTRACTOR's employees incurred in discharge of duties connected with the Work.
  - b. Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office and temporary facilities at the site and hand tools not owned by the workers, which are consumed in the performance of the Work, and cost less market value of such items used but not consumed which remain the property of the CONTRACTOR.
  - c. Rentals of all construction equipment and machinery and the parts thereof whether rented from the CONTRACTOR or others in accordance with rental agreements Approved by the DEPARTMENT and the costs of transportation, loading, unloading, installation, dismantling and removal thereof- all in accordance with terms of said rental agreements. The rental of any such equipment, machinery or parts shall cease when the use thereof is no longer necessary for the Work.

For any machinery or special equipment (other than small tools) which has been authorized by the Project

Manager, the CONTRACTOR shall receive the rental rates in the current edition and appropriate volume of the "Rental Rate Blue Book for Construction Equipment", published by Dataquest, Inc., 1290 Ridder Park Drive, San Jose, CA 95131. Hourly rental rates shall be determined as follows:

*The established hourly rental rate shall be equal to the adjusted monthly rate for the basic equipment plus the adjusted monthly rate for applicable attachments, both divided by 176, and multiplied by the area adjustment factor, plus the estimated hourly operating cost.*

The adjusted monthly rate is that resulting from application of the rate adjustment formula in order to eliminate replacement cost allowances in machine depreciation and contingency cost allowances.

Attachments shall not be included unless required for the time and materials work.

For equipment not listed in The Blue Book, the CONTRACTOR shall receive a rental rate as agreed upon before such work is begun. If agreement cannot be reached, the DEPARTMENT reserves the right to establish a rate based on similar equipment in the Blue Book or prevailing commercial rates in the area.

These rates shall apply for equipment used during the CONTRACTOR's regular shift of 10 hours per day. Where the equipment is used more than 10 hours per day, either on the CONTRACTOR's normal work or on time and materials, and either on single or multiple shifts, an overtime rate, computed as follows, shall apply:

*The hourly overtime rate shall be equal to the adjusted monthly rate for the basic equipment plus the adjusted monthly rate for applicable attachments, both divided by 352, and multiplied by the area adjustment factor, plus the estimated hourly operating cost.*

Equipment which must be rented or leased specifically for work required under this section shall be authorized in writing by the Project Manager. The CONTRACTOR shall be paid invoice price plus 15%.

When it is necessary to obtain equipment from sources beyond the project limits exclusively for time and materials, work, the actual cost of transferring the equipment to the site of the work and return will be allowed as an additional item of expense. Where the move is made by common carrier, the move-in allowance will be limited to the amount of the freight bill or invoice. If the CONTRACTOR hauls the equipment with his own forces, the allowance will be limited to the rental rate for the hauling unit plus operator wages. In the event that the equipment is transferred under its own power, the moving allowance will be limited to one-half of the normal hourly rental rate plus operator's wages. In the event that the move-out is to a different location, payment will in no instance exceed the amount of the move-in. Move-in allowance shall not be made for equipment brought to the project for time and materials work which is subsequently retained on the project and utilized for completion of contract items, camp maintenance, or related work.

Equipment ordered to be on a stand-by basis shall be paid for at the stand-by rental rate for the number of hours in the CONTRACTOR'S normal work shift, but not to exceed 8 hours per day. The stand-by rental rate shall be computed as follows:

*The hourly stand-by rate shall be equal to the adjusted monthly rate for the basic equipment plus the adjusted monthly rate for applicable attachments, both divided by 352, all multiplied by the area adjustment factor.*

Time will be recorded to the nearest one-quarter hour for purposes of computing compensation to the CONTRACTOR for equipment utilized under these rates.

The equipment rates as determined above shall be full compensation, including overhead and profit, for providing the required equipment and no additional compensation will be made for other costs such as, but not limited to, fuels, lubricants, replacement parts or maintenance costs. Cost of repairs, both major and minor, as well as charges for mechanic's time utilized in servicing equipment to ready it for use prior to moving to the project and similar charges will not be allowed.

- d. Sales, consumer, use or similar taxes related to the Work, and for which the CONTRACTOR is liable, imposed by Regulatory Requirements.
- e. Deposits lost for causes other than negligence of the CONTRACTOR, any Subcontractor or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.
- f. Losses and damages (and related expenses), not compensated by insurance or otherwise, to the Work or otherwise sustained by the CONTRACTOR in connection with the performance and furnishing of the Work provided they have resulted from causes other than the negligence of the CONTRACTOR, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses shall include settlements made with the written consent and Approval of the DEPARTMENT. No such losses, damages and expenses shall be included in the "cost of the work" for the purpose of determining the CONTRACTOR's fee. If, however, any such loss or damage requires reconstruction and the CONTRACTOR is placed in charge thereof, the CONTRACTOR shall be paid for services a fee proportionate to that stated in paragraphs 10.6.2.a and 10.6.2.b.
- g. The cost of utilities, fuel and sanitary facilities at the site.
- h. Minor expenses such as telegrams, long distance telephone calls, telephone service at the site, expressage and similar petty cash items in connection with the Work.
- i. Cost of premiums for additional bonds and insurance required because of changes in the Work and premiums for property insurance coverage within the limits of the deductible amounts established by the DEPARTMENT in accordance with Article 5.

#### **10.5 Excluded Costs:**

The term "cost of the work" shall not include any of the following:

- 10.5.1 Payroll costs and other compensation of CONTRACTOR's officers, executives, principals (of partnership and sole proprietorships), general managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agency, expeditors, timekeepers, clerks and other personnel employed by CONTRACTOR whether at the site or in CONTRACTOR's principal or a branch office for general administration of the Work and not specifically included in the agreed upon schedule of job classifications referred to in paragraph 10.4.1 or specifically covered by paragraph 10.4.4 all of which are to be considered administrative costs covered by the CONTRACTOR's fee.
- 10.5.2 Expenses of CONTRACTOR's principal and branch offices other than CONTRACTOR's office at the site.
- 10.5.3 Any part of CONTRACTOR's capital expenses including interest on CONTRACTOR's capital employed for the Work and charges against CONTRACTOR for delinquent payments.
- 10.5.4 Cost of premiums for all bonds and for all insurance whether or not CONTRACTOR is required by the Contract Documents to purchase and maintain the same (except for the cost of premiums covered by subparagraph 10.4.5.i above).
- 10.5.5 Costs due to the negligence of CONTRACTOR, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of Defective Work, disposal of materials or equipment wrongly supplied and making good any damage to property.
- 10.5.6 Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in paragraph 10.4.

## **10.6 CONTRACTOR's Fee:**

The CONTRACTOR's fee allowed to CONTRACTOR for overhead and profit shall be determined as follows.

10.6.1 A mutually acceptable fixed fee; or if none can be agreed upon.

10.6.2 A fee based on the following percentages of the various portions of the "cost of the work":

- a. For costs incurred under paragraphs 10.4.1 and 10.4.2, the CONTRACTOR's fee shall be fifteen percent;
- b. For costs incurred under paragraph 10.4.3, the CONTRACTOR's fee shall be ten percent; and if a subcontract is on the basis of "cost of the work" plus a fee, the maximum allowable to CONTRACTOR on account of overhead and profit for itself and all Subcontractors and multiple tiers thereof shall be fifteen percent of the cost incurred by the subcontractor actually performing the work;
- c. No fee shall be payable on the basis of costs itemized under paragraphs 10.4.4, 10.4.5 and 10.5;
- d. The amount of credit to be allowed by the CONTRACTOR to the DEPARTMENT for any such change which results in a net decrease in cost will be the amount of the actual net decrease plus a deduction in CONTRACTOR's fee by an amount equal to fifteen percent of the net decrease; and
- e. When both additions and credits are involved in any one change, the adjustment in CONTRACTOR's fee shall be computed on the basis of the net change in accordance with paragraphs 10.6.2.a through 10.6.2.d, inclusive.

## **10.7 Cost Breakdown:**

Whenever the cost of any Work is to be determined pursuant to paragraphs 10.4 and 10.5, the CONTRACTOR will submit in a form acceptable to the DEPARTMENT an itemized cost breakdown together with supporting data.

## **10.8 Cash Allowances:**

It is understood that CONTRACTOR has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be done by such Subcontractors or Suppliers and for such sums within the limit of the allowances as may be acceptable to the Contracting Officer. CONTRACTOR agrees that:

- 10.8.1 The allowances include the cost to CONTRACTOR (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the site, and all applicable taxes; and
- 10.8.2 CONTRACTOR's cost for unloading and handling on the site, labor, installation costs, overhead, profit and other expenses contemplated for the allowances have been included in the Contract Price and not in the allowances. No demand for additional payment on account of any thereof will be valid.

Prior to final payment, an appropriate Change Order will be issued to reflect actual amounts due the CONTRACTOR on account of Work covered by allowances, and the Contract Price shall be correspondingly adjusted.

## **10.9 Unit Price Work:**

- 10.9.1 Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the established unit prices for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Contract. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of bids and determining an initial Contract Price. Determinations of the actual quantities and classifications of Unit Price Work performed by the CONTRACTOR will be made by the

DEPARTMENT in accordance with paragraph 10.10.

- 10.9.2 Each unit price will be deemed to include an amount considered by the CONTRACTOR to be adequate to cover the CONTRACTOR's overhead and profit for each separately identified item. If the "Basis of Payment" clause in the Contract Documents relating to any unit price in the bid schedule requires that the said unit price cover and be considered compensation for certain work or material essential to the item, this same work or material will not also be measured or paid for under any other pay item which may appear elsewhere in the Contract Documents.
- 10.9.3 Payment to the CONTRACTOR shall be made only for the actual quantities of Work performed and accepted or materials furnished, in conformance with the Contract Documents. When the accepted quantities of Work or materials vary from the quantities stated in the bid schedule, or change documents, the CONTRACTOR shall accept as payment in full, payment at the stated unit prices for the accepted quantities of Work and materials furnished, completed and accepted; except as provided below:
- a. When the quantity of Work to be done or material to be furnished under any item, for which the total cost of the item exceeds 10% of the total Contract Price, is increased by more than 25 percent of the quantity stated in the bid schedule, or change documents, either party to the Contract, upon demand, shall be entitled to an equitable unit price adjustment on that portion of the Work above 125 percent of the quantity stated in the bid schedule.
  - b. When the quantity of Work to be done or material to be furnished under any major item, for which the total cost of the item exceeds 10% of the total Contract Price, is decreased by more than 25 percent of the quantity stated in the bid schedule, or change documents either party to the Contract, upon demand, shall be entitled to an equitable price adjustment for the quantity of Work performed or material furnished, limited to a total payment of not more than 75 percent of the amount originally bid for the item.

**10.10 Determinations for Unit Prices:**

The Contracting Officer will determine the actual quantities and classifications of Unit Price Work performed by the CONTRACTOR. The Contracting Officer will review with the CONTRACTOR preliminary determinations on such matters before finalizing the costs and quantities on the Schedule of Values. The Contracting Officer's acknowledgment thereof will be final and binding on the CONTRACTOR, unless, within 10 days after the date of any such decisions, the CONTRACTOR delivers to the Contracting Officer written notice of intention to appeal from such a decision.

## ARTICLE 11- CONTRACT TIME; COMPUTATION AND CHANGE

### 11.1 Commencement of Contract Time; Notice to Proceed:

The Contract Time will commence to run on the day indicated in the Notice to Proceed.

### 11.2 Starting the Work:

No Work on Contract items shall be performed before the effective date of the Notice to Proceed. The CONTRACTOR shall notify the Contracting Officer at least 24 hours in advance of the time actual construction operations will begin. The CONTRACTOR may request a limited Notice to Proceed after Award has been made, to permit him to order long lead materials which could cause delays in Project completion. However, granting is within the sole discretion of the Contracting Officer, and refusal or failure to grant a limited Notice to Proceed shall not be a basis for claiming for delay, extension of time, or alteration of price.

### 11.3 Computation of Contract Time:

#### 11.3.1 When the Contract Time is specified on a Calendar Day basis, all Work under the Contract shall be completed within the number of Calendar Days specified. The count of Contract Time begins on the day following receipt of the Notice to Proceed by the CONTRACTOR, if no starting day is stipulated therein.

Calendar Days shall continue to be counted against Contract Time until and including the date of Substantial Completion of the Work.

#### 11.3.2 When the Contract completion time is specified as a fixed calendar date, it shall be the date of Substantial Completion.

#### 11.3.3 The Contract Time shall be as stated on form 25D-9, Proposal.

### 11.4 Time Change:

The Contract Time may only be changed by a Change Order or Supplemental Agreement.

### 11.5 Extension Due to Delays:

The right of the CONTRACTOR to proceed shall not be terminated nor the CONTRACTOR charged with liquidated or actual damages because of delays to the completion of the Work due to unforeseeable causes beyond the control and without the fault or negligence of the CONTRACTOR, including, but not restricted to the following: acts of God or of the public enemy, acts of the DEPARTMENT in its contractual capacity, acts of another contractor in the performance of a contract with the DEPARTMENT, floods, fires, epidemics, quarantine restrictions, strikes, freight embargoes, unusually severe weather and delays of Subcontractors or Suppliers due to such causes. Any delay in receipt of materials on the site, caused by other than one of the specifically mentioned occurrences above, does not of itself justify a time extension, provided that the CONTRACTOR shall within twenty four (24) hours from the beginning of any such delay (unless the Contracting Officer shall grant a further period of the time prior to the date of final settlement of the Contract), notify the Contracting Officer in writing of the cause of delay. The Contracting Officer shall ascertain the facts and the extent of the delay and extend the time for completing the Work when the findings of fact justify such an extension.

### 11.6 Essence of Contract:

All time limits stated in the Contract Documents are of the essence of the Contract.

### 11.7 Reasonable Completion Time:

It is expressly understood and agreed by and between the CONTRACTOR and the DEPARTMENT that the date of



beginning and the time for Substantial Completion of the Work described herein are reasonable times for the completion of the Work.

#### **11.8 Delay Damages:**

Whether or not the CONTRACTOR's right to proceed with the Work is terminated, he and his Sureties shall be liable for damages resulting from his refusal or failure to complete the Work within the specified time.

Liquidated and actual damages for delay shall be paid by the CONTRACTOR or his Surety to the DEPARTMENT in the amount as specified in the Supplementary Conditions for each Calendar Day the completion of the Work or any part thereof is delayed beyond the time required by the Contract, or any extension thereof. If a listing of incidents resulting from a delay and expected to give rise to actual or liquidated damages is not established by the Contract Documents, then the CONTRACTOR and his Surety shall be liable to the DEPARTMENT for any actual damages occasioned by such delay. The CONTRACTOR acknowledges that the liquidated damages established herein are not a penalty but rather constitute an estimate of damages that the DEPARTMENT will sustain by reason of delayed completion. These liquidated and actual damages are intended as compensation for losses anticipated to arise, and include those items enumerated in the Supplementary Conditions.

These damages will continue to run both before and after termination in the event of default termination. These liquidated damages do not cover excess costs of completion or DEPARTMENT costs, fees, and charges related to reprocurement. If a default termination occurs, the CONTRACTOR or his Surety shall pay in addition to these damages, all excess costs and expenses related to completion as provided by Article 14.2.5.

## **ARTICLE 12 - QUALITY ASSURANCE**

### **12.1 Warranty and Guaranty:**

The CONTRACTOR warrants and guarantees to the DEPARTMENT that all Work will be in accordance with the Contract Documents and will not be Defective. Prompt notice of all defects shall be given to the CONTRACTOR. All Defective Work, whether or not in place, may be rejected, corrected or accepted as provided for in this article.

### **12.2 Access to Work:**

The DEPARTMENT and the DEPARTMENT's representatives, testing agencies and governmental agencies with jurisdiction interests will have access to the Work at reasonable times for their observation, inspecting and testing. The CONTRACTOR shall provide proper and safe conditions for such access.

### **12.3 Tests and Inspections:**

12.3.1 The CONTRACTOR shall give the Contracting Officer timely notice of readiness of the Work for all required inspections, tests or Approvals.

12.3.2 If Regulatory Requirements of any public body having jurisdiction require any Work (or part thereof) to specifically be inspected, tested or approved, the CONTRACTOR shall assume full responsibility therefor, pay all costs in connection therewith and furnish the Contracting Officer the required certificates of inspection, testing or approval. The CONTRACTOR shall also be responsible for and shall pay all costs in connection with any inspection or testing required in connection with DEPARTMENT's acceptance of a Supplier of materials or equipment proposed to be incorporated in the Work, or of materials or equipment submitted for Approval prior to the CONTRACTOR's purchase thereof for incorporation in the Work. The cost of all inspections, tests and approvals in addition to the above which are required by the Contract Documents shall be paid by the CONTRACTOR. The DEPARTMENT may perform additional tests and inspections which it deems necessary to insure quality control. All such failed tests or inspections shall be at the CONTRACTOR's expense.

12.3.4 If any Work (including the work of others) that is to be inspected, tested or Approved is covered without written concurrence of the Contracting Officer, it must, if requested by the Contracting Officer, be uncovered for observation. Such uncovering shall be at the CONTRACTOR's expense unless the CONTRACTOR has given the Contracting Officer timely notice of CONTRACTOR's intention to cover the same and the Contracting Officer has not acted with reasonable promptness in response to such notice.

12.3.5 Neither observations nor inspections, tests or Approvals by the DEPARTMENT or others shall relieve the CONTRACTOR from the CONTRACTOR's obligations to perform the Work in accordance with the Contract Documents.

### **12.4 Uncovering Work:**

12.4.1 If any Work is covered contrary to the written request of the Contracting Officer, it must, if requested by the Contracting Officer, be uncovered for the Contracting Officer's observation and replaced at the CONTRACTOR's expense.

12.4.2 If the Contracting Officer considers it necessary or advisable that covered Work be observed inspected or tested, the CONTRACTOR, at the Contracting Officer's request, shall uncover, expose or otherwise make available for observation, inspection or testing as the Contracting Officer may require, that portion of the Work in question, furnishing all necessary labor, material and equipment. If it is found that such Work is Defective, the CONTRACTOR shall bear all direct, indirect and consequential costs of such uncovering, exposure, observation, inspection and testing and of satisfactory reconstruction, (including but not limited to fees and charges of engineers, architects, attorneys and other professionals) and the DEPARTMENT shall be entitled to an appropriate decrease in the Contract Price. If, however, such Work is not found to be Defective, the CONTRACTOR shall be allowed an increase in the Contract Price or an extension of the Contract Time, or both, directly attributable to such uncovering, exposure, observation, inspection, testing and reconstruction.

#### 12.5 DEPARTMENT May Stop the Work:

If the Work is Defective, or the CONTRACTOR fails to supply suitable materials or equipment, or fails to furnish or perform the Work in such a way that the completed Work will conform to the Contract Documents, the Contracting Officer may order the CONTRACTOR to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of the Contracting Officer to stop the Work shall not give rise to any duty on the part of the Contracting Officer to exercise this right for the benefit of the CONTRACTOR or any other party.

#### 12.6 Correction or Removal of Defective Work:

If required by the Contracting Officer, the CONTRACTOR shall promptly, as directed, either correct all Defective Work, whether or not fabricated, installed or completed, or, if the Work has been rejected by the Contracting Officer, remove it from the site and replace it with Work which conforms to the requirements of the Contract Documents. The CONTRACTOR shall bear all direct, indirect and consequential costs of such correction or removal (including but not limited to fees and charges of engineers, architects, attorneys and other professionals) made necessary thereby.

#### 12.7 One Year Correction Period:

If within one year after the date of Substantial Completion of the relevant portion of the work or such longer period of time as may be prescribed by Regulatory Requirements or by the terms of any applicable special guarantee required by the Contract Documents or by any specific provision of the Contract Documents, any Work is found to be Defective, the CONTRACTOR shall promptly, without cost to the DEPARTMENT and in accordance with the Contracting Officer's written instructions, either correct such Defective Work, or, if it has been rejected by the Contracting Officer, remove it from the site and replace it with conforming Work. If the CONTRACTOR does not promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk of loss or damage, the DEPARTMENT may have the Defective Work corrected or the rejected Work removed and replaced, and all direct, indirect and consequential costs of such removal and replacement (including but not limited to fees and charges of engineers, architects, attorneys and other professionals) will be paid by the CONTRACTOR. In special circumstances where a particular item of equipment is placed in continuous service for the benefit of the DEPARTMENT before Substantial Completion of all the Work, the correction period for that item may begin on an earlier date if so provided in the Specifications or by Change Order. Provisions of this paragraph are not intended to shorten the statute of limitations for bringing an action.

#### 12.8 Acceptance of Defective Work:

Instead of requiring correction or removal and replacement of Defective Work, the Contracting Officer may accept Defective Work, the CONTRACTOR shall bear all direct, indirect and consequential costs attributable to the Contracting Officer's evaluation of and determination to accept such Defective Work (costs to include but not be limited to fees and charges of engineers, architects, attorneys and other professionals). If any such acceptance occurs prior to final payment, a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and the DEPARTMENT shall be entitled to an appropriate decrease in the Contract Price. If the DEPARTMENT has already made final payment to the CONTRACTOR, an appropriate amount shall be paid by the CONTRACTOR or his Surety to the DEPARTMENT.

#### **12.9 DEPARTMENT May Correct Defective Work:**

If the CONTRACTOR fails within a reasonable time after written notice from the Contracting Officer to proceed to correct Defective Work or to remove and replace rejected Work as required by the Contracting Officer in accordance with paragraph 12.6, or if the CONTRACTOR fails to perform the Work in accordance with the Contract Documents, or if the CONTRACTOR fails to comply with any other provision of the Contract Documents, the DEPARTMENT may, after 7 days' written notice to the CONTRACTOR, correct and remedy any such deficiency. In exercising the rights and remedies under this paragraph the DEPARTMENT shall proceed expeditiously. To the extent necessary to complete corrective and remedial action, the Contracting Officer may exclude the CONTRACTOR from all or part of the site, take possession of all or part of the Work, and suspend the CONTRACTOR's services related thereto, take possession of the CONTRACTOR's tools, appliances, construction equipment and machinery at the site and incorporate in the Work all materials and equipment stored at the site or approved remote storage sites or for which the DEPARTMENT has paid the CONTRACTOR but which are stored elsewhere. The CONTRACTOR shall allow the Contracting Officer and his authorized representatives such access to the site as may be necessary to enable the Contracting Officer to exercise the rights and remedies under this paragraph. All direct, indirect and consequential costs of the DEPARTMENT in exercising such rights and remedies will be charged against the CONTRACTOR, and a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and the DEPARTMENT shall be entitled to an appropriate decrease in the Contract Price. Such direct, indirect and consequential costs will include but not be limited to fees and charges of engineers, architects, attorneys and other professionals, all court and arbitration costs and all costs of repair and replacement of work of others destroyed or damaged by correction, removal or replacement of the CONTRACTOR's Defective Work. The CONTRACTOR shall not be allowed an extension of time because of any delay in performance of the work attributable to the exercise, by the Contracting Officer, of the DEPARTMENT's rights and remedies hereunder.

## **ARTICLE 13- PAYMENTS TO CONTRACTOR AND COMPLETION**

### **13.1 Schedule of Values:**

The Schedule of Values established as provided in paragraph 6.6 will serve as the basis for progress payments and will be incorporated into a form of Application for Payment acceptable to the Contracting Officer. Progress payments on account of Unit Price Work will be based on the number of units completed.

### **13.2 Preliminary Payments:**

Upon approval of the Schedule of Values the CONTRACTOR may be paid for direct costs substantiated by paid invoices and other prerequisite documents required by the General Requirements. Direct costs shall include the cost of bonds, insurance, approved materials stored on the site or at approved remote storage sites, deposits required by a Supplier prior to fabricating materials, and other approved direct mobilization costs substantiated as indicated above. These payments shall be included as a part of the total Contract Price as stated in the Contract.

### **13.3 Application for Progress Payment:**

The CONTRACTOR shall submit to the Contracting Officer for review an Application for Payment filled out and signed by the CONTRACTOR covering the Work completed as of the date of the Application for Payment and accompanied by such supporting documentation as is required by the Contract Documents. Progress payments will be made as the Work progresses on a monthly basis.

### **13.4 Review of Applications for Progress Payment:**

Contracting Officer will either indicate in writing a recommendation of payment or return the Application for Payment to the CONTRACTOR indicating in writing the Contracting Officer's reasons for refusing to recommend payment. In the latter case, the CONTRACTOR may make the necessary corrections and resubmit the Application for Payment.

### **13.5 Stored Materials and Equipment:**

If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the site or at another location agreed to in writing, the Application for Payment shall also be accompanied by a bill of sale, paid invoice or other documentation warranting that the DEPARTMENT has received the materials and equipment free and clear of all charges, security interests and encumbrances and evidence that the materials and equipment are covered by appropriate property insurance and other arrangements to protect the DEPARTMENT's interest therein, all of which will be satisfactory to the Contracting Officer. No payment will be made for perishable materials that could be rendered useless because of long storage periods. No progress payment will be made for living plant materials until planted.

### **13.6 CONTRACTOR's Warranty of Title:**

The CONTRACTOR warrants and guarantees that title to all Work, materials and equipment covered by any Application for Payment, whether incorporated in the Project or not, will pass to the DEPARTMENT no later than the time of payment free and clear of any claims, liens, security interests and further obligations.

### **13.7 Withholding of Payments:**

The DEPARTMENT may withhold or refuse payment for any of the reasons listed below provided it gives written notice of its intent to withhold and of the basis for withholding:

- 13.7.1 The Work is Defective, or completed Work has been damaged requiring correction or replacement, or has been installed without Approval of Shop Drawings, or by an unapproved Subcontractor, or for unsuitable storage of materials and equipment.

- 13.7.2 The Contract Price has been reduced by Change Order,
- 13.7.3 The DEPARTMENT has been required to correct Defective Work or complete Work in accordance with paragraph 12.9.
- 13.7.4 The DEPARTMENT's actual knowledge of the occurrence of any of the events enumerated in paragraphs 14.2.1.a through 14.2.1.k inclusive.
- 13.7.5 Claims have been made against the DEPARTMENT or against the funds held by the DEPARTMENT on account of the CONTRACTOR's actions or inactions in performing this Contract, or there are other items entitling the DEPARTMENT to a set off.
- 13.7.6 Subsequently discovered evidence or the results of subsequent inspections or test, nullify any previous payments for reasons stated in subparagraphs 13.7.1 through 13.7.5.
- 13.7.7 The CONTRACTOR has failed to fulfill or is in violation of any of his obligations under any provision of this Contract.

### **13.8 Retainage:**

At any time the DEPARTMENT finds that satisfactory progress is not being made it may in addition to the amounts withheld under 13.7 retain a maximum amount equal to 10% of the total amount earned on all subsequent progress payments. This retainage may be released at such time as the Contracting Officer finds that satisfactory progress is being made.

### **13.9 Request for Release of Funds:**

If the CONTRACTOR believes the basis for withholding is invalid or no longer exists, immediate written notice of the facts and Contract provisions on which the CONTRACTOR relies, shall be given to the DEPARTMENT, together with a request for release of funds and adequate documentary evidence proving that the problem has been cured. In the case of withholding which has occurred at the request of the Department of Labor, the CONTRACTOR shall provide a letter from the Department of Labor stating that withholding is no longer requested. Following such a submittal by the CONTRACTOR, the DEPARTMENT shall have a reasonable time to investigate and verify the facts and seek additional assurances before determining whether release of withheld payments is justified.

### **13.10 Substantial Completion:**

When the CONTRACTOR considers the Work ready for its intended use the CONTRACTOR shall notify the Contracting Officer in writing that the Work or a portion of Work which has been specifically identified in the Contract Documents is substantially complete (except for items specifically listed by the CONTRACTOR as incomplete) and request that the DEPARTMENT issue a certificate of Substantial Completion. Within a reasonable time thereafter, the Contracting Officer, the CONTRACTOR and appropriate Consultant(s) shall make an inspection of the Work to determine the status of completion. If the Contracting Officer does not consider the Work substantially complete, the Contracting Officer will notify the CONTRACTOR in writing giving the reasons therefor. If the Contracting Officer considers the Work substantially complete, the Contracting Officer will within fourteen days execute and deliver to the CONTRACTOR a certificate of Substantial Completion with tentative list of items to be completed or corrected. At the time of delivery of the certificate of Substantial Completion the Contracting Officer will deliver to the CONTRACTOR a written division of responsibilities pending Final Completion with respect to security, operation, safety, maintenance, heat, utilities, insurance and warranties which shall be consistent with the terms of the Contract Documents.

The DEPARTMENT shall be responsible for all DEPARTMENT costs resulting from the initial inspection and the first re-inspection, the CONTRACTOR shall pay all costs incurred by the DEPARTMENT resulting from re-

inspections, thereafter.

### **13.11 Access Following Substantial Completion:**

The DEPARTMENT shall have the right to exclude the CONTRACTOR from the Work after the date of Substantial Completion, but the DEPARTMENT shall allow CONTRACTOR reasonable access to complete or correct items on the tentative list.

### **13.12 Final Inspection:**

Upon written notice from the CONTRACTOR that the entire Work or an agreed portion thereof is complete, the Contracting Officer will make a final inspection with the CONTRACTOR and appropriate Consultant(s) and will notify the CONTRACTOR in writing of all particulars in which this inspection reveals that the Work is incomplete or Defective. The CONTRACTOR shall immediately take such measures as are necessary to remedy such deficiencies. The CONTRACTOR shall pay for all costs incurred by the DEPARTMENT resulting from re-inspections.

### **13.13 Final Completion and Application for Payment:**

After the CONTRACTOR has completed all such corrections to the satisfaction of the Contracting Officer and delivered all schedules, guarantees, bonds, certificates of payment to all laborers, Subcontractors and Suppliers, and other documents - all as required by the Contract Documents; and after the Contracting Officer has indicated in writing that the Work has met the requirements for Final Completion, and subject to the provisions of paragraph 13.18, the CONTRACTOR may make application for final payment following the procedure for progress payments. The final Application for Payment shall be accompanied by all remaining certificates, warranties, guarantees, releases, affidavits, and other documentation required by the Contract Documents.

### **13.14 Final Payment:**

- 13.14.1 If on the basis of the Contracting Officer's observation of the Work during construction and final inspection, and the Contracting Officer's review of the final Application for Payment and accompanying documentation - all as required by the Contract Documents; and the Contracting Officer is satisfied that the Work has been completed and the CONTRACTOR's other obligations under the Contract Documents have been fulfilled, the DEPARTMENT will process final Application for Payment. Otherwise, the Contracting Officer will return the Application for Payment to the CONTRACTOR, indicating in writing the reasons for refusing to process final payment, in which case the CONTRACTOR shall make the necessary corrections and resubmit the final Application for Payment.
- 13.14.2 If, through no fault of the CONTRACTOR, Final Completion of the Work is significantly delayed, the Contracting Officer shall, upon receipt of the CONTRACTOR's final Application for Payment, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed and accepted. If the remaining balance to be held by the DEPARTMENT for Work not fully completed or corrected is less than the retainage provided for in paragraph 13.9, and if bonds have been furnished as required in paragraph 5.1, the written consent of the Surety to the payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by the CONTRACTOR to the DEPARTMENT with the application for such payment. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of claims.

### **13.15 Final Acceptance:**

Following certification of payment of payroll and revenue taxes, and final payment to the CONTRACTOR, the DEPARTMENT will issue a letter of Final Acceptance, releasing the CONTRACTOR from further obligations under the Contract, except as provided in paragraph 13.17.

**13.16 CONTRACTOR's Continuing Obligation:**

The CONTRACTOR's obligation to perform and complete the Work and pay all laborers, Subcontractors, and materialmen in accordance with the Contract Documents shall be absolute. Neither any progress or final payment by the DEPARTMENT, nor the issuance of a certificate of Substantial Completion, nor any use or occupancy of the Work or any part thereof by the DEPARTMENT or Using Agency, nor any act of acceptance by the DEPARTMENT nor any failure to do so, nor any review and Approval of a Shop Drawing or sample submission, nor any correction of Defective Work by the DEPARTMENT will constitute an acceptance of Work not in accordance with the Contract Documents or a release of the CONTRACTOR's obligation to perform the Work in accordance with the Contract Documents.

When it is anticipated that restarting, testing, adjusting, or balancing of systems will be required following Final Acceptance and said requirements are noted in Section(s) 01650, such Work shall constitute a continuing obligation under the Contract.

**13.17 Waiver of Claims by CONTRACTOR:**

The making and acceptance of final payment will constitute a waiver of all claims by the CONTRACTOR against the DEPARTMENT other than those previously made in writing and still unsettled.

**13.18 No Waiver of Legal Rights:**

The DEPARTMENT shall not be precluded or be estopped by any payment, measurement, estimate, or certificate made either before or after the completion and acceptance of the Work and payment therefor, from showing the true amount and character of the Work performed and materials furnished by the CONTRACTOR, nor from showing that any payment, measurement, estimate or certificate is untrue or is incorrectly made, or that the Work or materials are Defective. The DEPARTMENT shall not be precluded or estopped, notwithstanding any such measurement, estimate, or certificate and payment in accordance therewith, from recovering from the CONTRACTOR or his Sureties, or both, such damages as it may sustain by reason of his failure to comply with requirements of the Contract Documents. Neither the acceptance by the DEPARTMENT, or any representative of the DEPARTMENT, nor any payment for or acceptance of the whole or any part of the Work, nor any extension of the Contract Time, nor any possession taken by the DEPARTMENT, shall operate as a waiver of any portion of the Contract or of any power herein reserved, or of any right to damages. A waiver by the DEPARTMENT of any breach of the Contract shall not be held to be a waiver of any other subsequent breach.



## ARTICLE 14- SUSPENSION OF WORK, DEFAULT AND TERMINATION

### 14.1 DEPARTMENT May Suspend Work:

14.1.1 The DEPARTMENT may, at any time, suspend the Work or any portion thereof by notice in writing to the CONTRACTOR. If the Work is suspended without cause the CONTRACTOR shall be allowed an increase in the Contract Price or an extension of the Contract Time, or both, directly attributable to any suspension if the CONTRACTOR makes an Approved claim therefor as provided in Article 15. However, no adjustment shall be made under this clause for any suspension, delay, or interruption to the extent that suspension is due to the fault or negligence of the CONTRACTOR, or that suspension is necessary for Contract compliance, or that performance would have been so suspended, delayed, or interrupted by any other cause, including the fault or negligence of the CONTRACTOR.

14.1.2 In case of suspension of Work, the CONTRACTOR shall be responsible for preventing damage to or loss of any of the Work already performed and of all materials whether stored on or off the site or Approved remote storage sites.

### 14.2 Default of Contract:

14.2.1 The Contracting Officer may give the CONTRACTOR and its surety a written Notice to Cure Default if the CONTRACTOR:

- a. fails to begin work in the time specified,
- b. fails to use sufficient resources to assure prompt completion of the work,
- c. performs the work unsuitably or neglects or refuses to remove and replace rejected materials or work,
- d. stops work,
- e. fails to resume stopped work after receiving notice to do so,
- f. becomes insolvent (except that if the CONTRACTOR declares bankruptcy, termination will be under Title 11 US Code 362 and/or 365. The CONTRACTOR'S bankruptcy does not relieve the surety of any obligations to assume the Contract and complete the work in a timely manner.
- g. Allows any final judgment to stand against him unsatisfied for period of 60 days, or
- h. Makes an assignment for the benefit of creditors without the consent of the Contracting Officer, or
- i. Disregards Regulatory Requirements of any public body having jurisdiction, or
- j. Otherwise violates in any substantial way any provisions of the Contract Documents, or
- k. fails to comply with Contract minimum wage payments or civil rights requirements, or
- l. is a party to fraud, deception, misrepresentation, or
- m. for any cause whatsoever, fails to carry on the Work in an acceptable manner.

14.2.2 The Notice to Cure Default will detail the conditions determined to be in default, the time within which to cure the default and may, in the Contracting Officer's discretion, specify the actions necessary to cure the default. Failure to cure the delay, neglect or default within the time specified in the Contracting Officer's written notice to cure authorizes the DEPARTMENT to terminate the contract. The Contracting Officer may allow more time to cure than originally stated in the Notice to Cure Default if he deems it to be in the best interests of the DEPARTMENT. The DEPARTMENT will provide the CONTRACTOR or its surety with a written Notice of Default Termination that details the default and the failure to cure it.

14.2.3 If the CONTRACTOR or its Surety, within the time specified in the above notice of default, shall not proceed in accordance therewith, then the DEPARTMENT may, upon written notification from the Contracting Officer of the fact of such delay, neglect or default and the CONTRACTOR's failure to comply with such notice, have full power and authority without violating the Contract, to take the prosecution of the Work out of the hands of the CONTRACTOR. The DEPARTMENT may terminate the services of the CONTRACTOR, exclude the CONTRACTOR from the site and take possession of the Work and of all the CONTRACTOR's tools, appliances, construction equipment and machinery at the site and use the same to the full extent they could be

used by the CONTRACTOR (without liability to the CONTRACTOR for trespass or conversion), incorporate in the Work all materials and equipment stored at the site or for which the DEPARTMENT has paid the CONTRACTOR but which are stored elsewhere, and finish the Work as the DEPARTMENT may deem expedient. The DEPARTMENT may enter into an agreement for the completion of said Contract according to the terms and provisions thereof, or use such other methods that in the opinion of the Contracting Officer are required for the completion of said Contract in an acceptable manner.

- 14.2.4 The Contracting Officer may, by written notice to the CONTRACTOR and its Surety or its representative, transfer the employment of the Work from the CONTRACTOR to the Surety, or if the CONTRACTOR abandons the Work undertaken under the Contract, the Contracting Officer may, at its option with written notice to the Surety and without any written notice to the CONTRACTOR, transfer the employment for said Work directly to the Surety. The Surety shall submit its plan for completion of the Work, including any contracts or agreements with third parties for such completion, to the DEPARTMENT for approval prior to beginning completion of the Work. Approval of such contracts shall be in accordance with all applicable requirements and procedures for approval of subcontracts as stated in the Contract Documents.
- 14.2.5 After the notice of termination is issued, the DEPARTMENT may take over the work and complete it by contract or otherwise and may take possession of and use materials, appliances, equipment or plant on the work site necessary for completing the work.
- 14.2.6 Rather than taking over the work itself, the DEPARTMENT may transfer the obligation to perform the work from the CONTRACTOR to its surety. The surety must submit its plan for completion of the work, including any contracts or agreements with third parties for completion, to the DEPARTMENT for approval prior to beginning work. The surety must follow the Contract requirements for approval of subcontracts, except that the limitation on percent of work subcontracted will not apply.
- 14.2.7 On receipt of the transfer notice, the surety must take possession of all materials, tools, and appliances at the work site, employ an appropriate work force, and complete the Contract work, as specified. The Contract specifications and requirements shall remain in effect. However the DEPARTMENT will make subsequent Contract payments directly to the Surety for work performed under the terms of the Contract. The CONTRACTOR shall forfeit any right to claim for the same work or any part thereof. The CONTRACTOR shall not be entitled to receive any further balance of the amount to be paid under the Contract.
- 14.2.8 Upon receipt of the notice terminating the services of the CONTRACTOR, the Surety shall enter upon the premises and take possession of all materials, tools, and appliances thereon for the purpose of completing the Work included under the Contract and employ by contract or otherwise any person or persons to finish the Work and provide the materials therefore, without termination of the continuing full force and effect of this Contract. In case of such transfer of employment to the Surety, the Surety shall be paid in its own name on estimates covering Work subsequently performed under the terms of the Contract and according to the terms thereof without any right of the CONTRACTOR to make any claim for the same or any part thereof.
- 14.2.9 If the Contract is terminated for default, the CONTRACTOR and the Surety shall be jointly and severally liable for damages for delay as provided by paragraph 11.8, and for the excess cost of completion, and all costs and expenses incurred by the DEPARTMENT in completing the Work or arranging for completion of the Work, including but not limited to costs of assessing the Work to be done, costs associated with advertising, soliciting or negotiating for bids or proposals for completion, and other re-procurement costs. Following termination the CONTRACTOR shall not be entitled to receive any further balance of the amount to be paid under the Contract until the Work is fully finished and accepted, at which time if the unpaid balance exceeds the amount due the DEPARTMENT and any amounts due to persons for whose benefit the DEPARTMENT has withheld funds, such excess shall be paid by the DEPARTMENT to the CONTRACTOR. If the damages, costs, and expenses due the DEPARTMENT exceed the unpaid balance, the CONTRACTOR and its Surety shall pay the difference.
- 14.2.10 If, after notice of termination of the CONTRACTOR's right to proceed under the provisions of this clause, it is determined for any reason that the CONTRACTOR was not in default under the provisions of this clause, or that the delay was excusable under the provisions of this clause, or that termination was wrongful, the rights and obligations of the parties shall be determined in accordance with the clause providing for convenience termination.

14.3 Rights or Remedies:

Where the CONTRACTOR's services have been so terminated by the DEPARTMENT, the termination will not affect any rights or remedies of the DEPARTMENT against the CONTRACTOR then existing or which may thereafter accrue. Any retention or payment of moneys due the CONTRACTOR by the DEPARTMENT will not release the CONTRACTOR from liability.

14.4 Convenience Termination:

14.4.1 The performance of the Work may be terminated by the DEPARTMENT in accordance with this section in whole or in part, whenever, for any reason the Contracting Officer shall determine that such termination is in the best interest of the DEPARTMENT. Any such termination shall be effected by delivery to the CONTRACTOR of a Notice of Termination, specifying termination is for the convenience of the DEPARTMENT the extent to which performance of Work is terminated, and the date upon which such termination becomes effective.

14.4.2 Immediately upon receipt of a Notice of Termination and except as otherwise directed by the Contracting Officer, the CONTRACTOR shall:

- a. Stop Work on the date and to the extent specified in the Notice of Termination;
- b. Place no further orders or subcontracts for materials, services, or facilities except as may be necessary for completion of such portion of the Work as is not terminated;
- c. Terminate all orders and subcontracts to the extent that they relate to the performance of Work terminated by the Notice of Termination;
- d. With the written Approval of the Contracting Officer, to the extent he may require, settle all outstanding liabilities and all claims arising out of such termination of orders and subcontracts, the cost of which would be reimbursable, in whole, or in part, in accordance with the provisions of the Contract;
- e. Submit to the Contracting Officer a list, certified as to quantity and quality, of any or all items of termination inventory exclusive of items the disposition of which had been directed or authorized by the Contracting Officer;
- f. Transfer to the Contracting Officer the completed or partially completed record drawings, Shop Drawings, information, and other property which, if the Contract had been completed, would be required to be furnished to the DEPARTMENT;
- g. Take such action as may be necessary, or as the Contracting Officer may direct, for the protection and preservation of the property related to the Contract which is in the possession of the CONTRACTOR and in which the DEPARTMENT has or may acquire any interest.

The CONTRACTOR shall proceed immediately with the performance of the above obligations.

14.4.3 When the DEPARTMENT orders termination of the Work effective on a certain date, all Work in place as of that date will be paid for in accordance with Article 13 of the Contract. Materials required for completion and on hand but not incorporated in the Work will be paid for at invoice cost plus 15% with materials becoming the property of the DEPARTMENT- or the CONTRACTOR may retain title to the materials and be paid an agreed upon lump sum. Materials on order shall be cancelled, and the DEPARTMENT shall pay reasonable factory cancellation charges with the option of taking delivery of the materials in lieu of payment of cancellation charges. The CONTRACTOR shall be paid 10% of the cost, freight not included, of materials cancelled, and direct expenses only for CONTRACTOR chartered freight transport which cannot be cancelled without charges, to the extent that the CONTRACTOR can establish them. The extra costs due to cancellation of bonds and insurance and that part of job start-up and phase-out costs not amortized by the amount of Work accomplished shall be paid by the DEPARTMENT. Charges for loss of profit or consequential damages shall not be recoverable except as provided above.

- a. The following costs are not payable under a termination settlement agreement or Contracting Officer's determination of the termination claim:
  1. Loss of anticipated profits or consequential or compensatory damages

2. Unabsorbed home office overhead (also termed "General & Administrative Expense") related to ongoing business operations
  3. Bidding and project investigative costs
  4. Direct costs of repairing equipment to render it operable for use on the terminated work
- 14.4.4 The termination claim shall be submitted promptly, but in no event later than 90 days from the effective date of termination, unless extensions in writing are granted by the Contracting Officer upon written request of the CONTRACTOR made within the 90-day period. Upon failure of the CONTRACTOR to submit his termination claim within the time allowed, the Contracting Officer may determine, on the basis of information available to him, the amount, if any, due to the CONTRACTOR by reason of the termination and shall thereupon pay to the CONTRACTOR the amount so determined.
- 14.4.5 The CONTRACTOR and the Contracting Officer may agree upon whole or any part of the amount or amounts to be paid to the CONTRACTOR by reason of the total or partial termination of Work pursuant to this section. The Contract shall be amended accordingly, and the CONTRACTOR shall be paid the agreed amount.
- 14.4.6 In the event of the failure of the CONTRACTOR and the Contracting Officer to agree in whole or in part, as provided heretofore, as to the amounts with respect to costs to be paid to the CONTRACTOR in connection with the termination of the Work the Contracting Officer shall determine, on the basis of information available to him, the amount, if any, due to the CONTRACTOR by reason of the termination and shall pay to the CONTRACTOR the amount determined as follows:
- a. All costs and expenses reimbursable in accordance with the Contract not previously paid to the CONTRACTOR for the performance of the Work prior to the effective date of the Notice of Termination;
  - b. So far as not included under "a" above, the cost of settling and paying claims arising out of the termination of the Work under subcontracts or orders which are properly chargeable to the terminated portions of the Contract;
  - c. So far as practicable, claims by the CONTRACTOR for idled or stand-by equipment shall be made as follows: Equipment claims will be reimbursed as follows:
    1. Contractor-owned equipment usage, based on the CONTRACTOR'S ownership and operating costs for each piece of equipment as determined from the CONTRACTOR'S accounting records. Under no circumstance, may the CONTRACTOR base equipment claims on published rental rates.
    2. Idle or stand-by time for Contractor-owned equipment, based on the CONTRACTOR'S internal ownership and depreciation costs. Idle or stand-by equipment time is limited to the actual period of time equipment is idle or on stand-by as a direct result of the termination, not to exceed 30 days. Operating expenses will not be included for payment of idle or stand-by equipment time.
    3. Rented equipment, based on reasonable, actual rental costs. Equipment leased under "capital leases" as defined in Financial Accounting Standard No. 13 will be considered Contractor-owned equipment. Equipment leased from an affiliate, division, subsidiary or other organization under common control with the CONTRACTOR will be considered Contractor-owned equipment, unless the lessor has an established record of leasing to unaffiliated lessees at competitive rates consistent with the rates the CONTRACTOR has agreed to pay and no more than forty percent of the lessor's leasing business, measured in dollars, is with organizations affiliated with the lessor.
- 14.4.7 The CONTRACTOR shall have the right of appeal under the DEPARTMENT's claim procedures, as defined in Article 15, for any determination made by the Contracting Officer, except if the CONTRACTOR has failed to submit his claim within the time provided and has failed to request extension of such time, CONTRACTOR shall have no such right of appeal. In arriving at the amount due the CONTRACTOR under this section, there shall be deducted:
- a. All previous payments made to the CONTRACTOR for the performance of Work under the Contract prior to termination;
  - b. Any claim for which the DEPARTMENT may have against the CONTRACTOR;
  - c. The agreed price for, or the proceeds of sale of, any materials, supplies, or other things acquired by the

CONTRACTOR or sold pursuant to the provisions of this section and not otherwise recovered by or credited to the DEPARTMENT; and,

- d. All progress payments made to the CONTRACTOR under the provisions of this section.
- 14.4.8 Where the Work has been terminated by the DEPARTMENT said termination shall not affect or terminate any of the rights of the DEPARTMENT against the CONTRACTOR or his Surety then existing or which may thereafter accrue because of such default. Any retention or payment of monies by the DEPARTMENT due to the CONTRACTOR under the terms of the Contract shall not release the CONTRACTOR or its Surety from liability.
  - 14.4.9 The CONTRACTOR's termination claim may not include claims that pre dated the notice for termination for convenience. Those claims shall be prosecuted by the CONTRACTOR under Article 15.
  - 14.4.10 The CONTRACTOR'S termination claim may not exceed the total dollar value of the contract as awarded plus agreed upon change orders less the amounts that have been paid for work completed.
    - a. Unless otherwise provided for in the Contract Documents, or by applicable statute, the CONTRACTOR, from the effective date of termination and for a period of three years after final settlement under this Contract, shall preserve and make available to the DEPARTMENT at all reasonable times at the office of the CONTRACTOR, all its books, records, documents, and other evidence bearing on the cost and expenses of the CONTRACTOR under his Contract and relating to the Work terminated hereunder.
    - b. Definitions. In this Subsection 108-1.09, the term "cost" and the term "expense" mean a monetary amount in U.S. Dollars actually incurred by the CONTRACTOR, actually reflected in its contemporaneously maintained accounting or other financial records and supported by original source documentation.
    - c. Cost Principles. The DEPARTMENT may use the federal cost principles at 48 CFR §§ 31.201-1 to 31.205-52 (or succeeding cost principles for fixed price contracts) as guidelines in determining allowable costs under this Subsection to the extent they are applicable to construction contracts and consistent with the specifications of this Contract. The provisions of this contract control where they are more restrictive than, or inconsistent with, these federal cost principles."

## ARTICLE 15 - CLAIMS FOR ADJUSTMENT AND DISPUTES

### 15.1 Notification

- 15.1.1 The CONTRACTOR shall notify the DEPARTMENT in writing as soon as the CONTRACTOR becomes aware of any act or occurrence which may form the basis of a claim for additional compensation or an extension of Contract Time or of any dispute regarding a question of fact or interpretation of the Contract. The DEPARTMENT has no obligation to investigate any fact or occurrence that might form the basis of a claim or to provide any additional compensation or extension of Contract Time unless the CONTRACTOR has notified the DEPARTMENT in writing in a timely manner of all facts the CONTRACTOR believes form the basis for the claim.
- 15.1.2 If the CONTRACTOR believes that he is entitled to an extension of Contract Time, then the CONTRACTOR must state the contract section on which he basis his extension request, provide the DEPARTMENT with sufficient information to demonstrate that the CONTRACTOR has suffered excusable delay, and show the specific amount of time to which the CONTRACTOR is entitled. The DEPARTMENT will not grant an extension of Contract Time if the CONTRACTOR does not timely submit revised schedules under **Section 01310**.
- 15.1.3 If the matter is not resolved by agreement within 7 days, the CONTRACTOR shall submit an Intent to Claim, in writing, to the DEPARTMENT within the next 14 days.
- 15.1.4 If the CONTRACTOR believes additional compensation or time is warranted, then he must immediately begin keeping complete, accurate, and specific daily records concerning every detail of the potential claim including actual costs incurred. The CONTRACTOR shall provide the DEPARTMENT access to any such records and furnish the DEPARTMENT copies, if requested. Equipment costs must be based on the CONTRACTOR's internal rates for ownership, depreciation, and operating expenses and not on published rental rates. In computing damages, or costs claimed for a change order, or for any other claim against the DEPARTMENT for additional time, compensation or both, the CONTRACTOR must prove actual damages based on internal costs for equipment, labor or efficiencies. Total cost, modified total cost or jury verdict forms of presentation of damage claims are not permissible to show damages. Labor inefficiencies must be shown to actually have occurred and can be proven solely based on job records. Theoretical studies are not a permissible means of showing labor inefficiencies. Home office overhead will not be allowed as a component of any claim against the DEPARTMENT.
- 15.1.5 If the claim or dispute is not resolved by the DEPARTMENT, then the CONTRACTOR shall submit a written Claim to the Contracting Officer within 90 days after the CONTRACTOR becomes aware of the basis of the claim or should have known the basis of the claim, whichever is earlier. The Contracting Officer will issue written acknowledge of the receipt of the Claim.
- 15.1.6 The CONTRACTOR waives any right to claim if the DEPARTMENT was not notified properly or afforded the opportunity to inspect conditions or monitor actual costs or if the Claim is not filed on the date required.

### 15.2 Presenting the Claim

- 15.2.1 The Claim must include all of the following:
- a. The act, event, or condition the claim is based on
  - b. The Contract provisions which apply to the claim and provide relief
  - c. The item or items of Contract work affected and how they are affected
  - d. The specific relief requested, including Contract Time if applicable, and the basis upon which it was calculated
  - e. A statement certifying that the claim is made in good faith, that the supporting cost and pricing data are accurate and complete to the best of your knowledge and belief, and that the amount requested accurately reflects the Contract adjustment which the CONTRACTOR believes is due.

### **15.3 Claim Validity, Additional Information, and DEPARTMENT's Action**

- 15.3.1 The Claim, in order to be valid, must not only show that the CONTRACTOR suffered damages or delay but that it was caused by the act, event, or condition complained of and that the Contract provides entitlement to relief for such act, event, or condition.
- 15.3.2 The DEPARTMENT can make written request to the CONTRACTOR at any time for additional information relative to the Claim. The CONTRACTOR shall provide the DEPARTMENT the additional information within 30 days of receipt of such a request. Failure to furnish the additional information may be regarded as a waiver of the Claim.

### **15.4 Contracting Officer's Decision**

The CONTRACTOR will be furnished the Contracting Officer's Decision within 90 days, unless the Contracting Officer requests additional information or gives the CONTRACTOR notice that the time for issuing a decision is being extended for a specified period under AS 36.30.620. The Contracting Officer's decision is final and conclusive unless, within 14 days of receipt of the decision, the CONTRACTOR delivers a Notice of Appeal to the Appeals Officer. Procedures for appeals are covered under AS 36.30.625 and AS 36.30.630.

### **15.5 Fraud and Misrepresentation in Making Claims**

Criminal and Civil penalties authorized under AS 36.30.687 (including, but not limited to, forfeiture of all claimed amounts) may be imposed on the CONTRACTOR if the CONTRACTOR makes or uses a misrepresentation in support of a claim or defraud or attempt to defraud the DEPARTMENT at any stage of prosecuting a claim under this Contract.

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**SECTION 00800- SUPPLEMENTARY CONDITIONS**  
**MODIFICATIONS TO THE GENERAL CONDITIONS**  
**(STATE FUNDED CONTRACTS)**

The following supplements modify, change, delete from, or add to Section 00700 "General Conditions of the Construction Contract for Buildings", revised December 2011. Where any article of the General Conditions is modified, or a Paragraph, Subparagraph, or Clause thereof is modified or deleted by these Supplementary Conditions, the unaltered provisions of that Article, Paragraph, Subparagraph, or Clause shall remain in effect.

**SC-1-DEFINITIONS**

A. At General Conditions Article 1, definition of:

1. **Final Completion:** Add the following sentence:

"This is the date that all punch list items on the Final Inspection Punch List are completed. If there are no punch list items, then this date is the same as the Final Inspection Date."

2. **QUALITY ASSURANCE (QA):** Delete the text of this definition in it's entirety and replace with the following:

"The control measures taken by the Owner, the Consultant, and the DEPARTMENT to verify that Quality Control measures, materials, workmanship, etc. comply with Contract Documents and the related CONTRACTOR'S Quality Control Program. The Technical Specifications (Divisions 2 through 16) lists these control measures (indicated in the Quality Assurance paragraphs in the Individual Specification Sections). The CONTRACTOR, Subcontractor, and/or Supplier provide and pay for these control measures."

B. Add the following definitions:

1. **CFR** - Initials that stand for the Code of Federal Regulations.
2. **OWNER**-The State of Alaska.
3. **QUALITY ASSURANCE ACCEPTANCE TESTING**- This is all sampling and testing performed by the DEPARTMENT to determine at what level the product or service will be accepted for payment. Qualified personnel and laboratories will perform sampling and testing. The DEPARTMENT pays for this testing.
4. **QUALITY ASSURANCE PROGRAM (QA PROGRAM)**-An FHWA required program developed by the DEPARTMENT (see Section 01400). The QA program assures that materials and workmanship incorporated into each Federal-aid highway construction project conforms to the Contract Plans and Specifications, including changes. This QA Program consists of all those planned and systematic actions necessary to provide adequate confidence that the product or service will satisfy given requirements for quality. The QA Program includes the CONTRACTOR'S Quality Control Plan, acceptance testing, verification testing, independent assurance testing, and quality level analysis.
5. **QUALITY CONTROL PROGRAM (QC PROGRAM)** – The CONTRACTOR'S, Subcontractor's or Supplier's operational techniques and activities that maintain control of the manufacturing process to fulfill the Contract requirements. This may include materials handling, construction procedures, calibration and maintenance of equipment, production process control, material sampling, testing and inspection, and data analysis.

6. **RESIDENT ENGINEER OR INSPECTOR** - The Engineer's authorized representative assigned to make detailed observations relating to contract performance.

### **SC-2.4-VISITS TO SITE/PLACE OF BUSINESS**

At General Conditions Article 2.4, delete the first four words of the first sentence ("The Contracting Officer will ...") and replace with the following words "The Contracting Officer has the right to, but is not obligated to..."

### **SC-4.2- PRE-PROPOSAL AND SITE VISIT MEETING/S**

At General Conditions Article 4.2, delete this article in its entirety and replace with the following article:

- 4.2.0 A Pre-Proposal meeting has been scheduled for **April 13, 2018 at 10:00am** and will be held at the Atwood Building at 550 W. 7<sup>th</sup> Ave., First Floor - Room 102, in Anchorage.
- 4.2.1. The submission of a bid by the CONTRACTOR is considered a representation that the CONTRACTOR has reviewed and carefully examined the site and is satisfied as to the conditions to be encountered in performing the Work and as to the requirements of the Contract Documents."

### **SC-4.3-EXPLORATIONS AND REPORTS**

At General Conditions Article 4.3, add the following paragraph:

"All reports and other records (if available) are provided for informational purposes only to all plan holders listed with the DEPARTMENT as General Contractors, and are available to other plan holders upon request. They are made available so Bidders have access to the same information available to the DEPARTMENT. The reports and other records are not intended as a substitute for independent investigation, interpretation, or judgment of the Bidder. The DEPARTMENT is not responsible for any interpretation or conclusion drawn from its records by the Bidder. While referenced by or provided with the Contract Documents; the recommendations, engineering details, and other information contained in these reports of explorations shall not be construed to supersede or constitute conditions of the Contract Documents."

### **SC-5.4.1 – INSURANCE REQUIREMENTS**

At General Condition Article 5.4.1, delete the second to the last sentence and replace with the following: "The delivery to the DEPARTMENT of a written notice in accordance with the policy provisions is required before cancellation of any coverage or reduction in any limits of liability."

### **SC-5.4.2a-WORKERS COMPENSATION INSURANCE**

At General Condition Article 5.4.2a, delete paragraph "a" in its entirety and replace with the following:

- A. Workers' Compensation Insurance: The Contractor shall provide and maintain, for all employees of the Contractor engaged in work under this contract, Workers' Compensation Insurance as required by AS 23.30.045. The Contractor shall be responsible for Workers' Compensation Insurance for any subcontractor who provides services under this contract. Coverage shall include:
1. Waiver of subrogation against the State.
  2. Employer's Liability Protection in the amount of \$500,000 each accident / \$500,000 each disease.
  3. If the Contractor directly utilizes labor outside of the State of Alaska in the prosecution of the work, "Other States" endorsement shall be required as a condition of the contract.
  4. Whenever the work involves activity on or about navigable waters, the Workers' Compensation policy shall contain a United States Longshoreman's and Harbor Worker's Act endorsement, and when appropriate, a Maritime Employer's Liability (Jones Act) endorsement with a minimum limit of \$1,000,000."

### **SC-5.4.2d-BUILDERS RISK INSURANCE (SUBCONTRACTORS)**

At General Conditions Article 5.4.2d, delete the subsection in its entirety.

### **SC-6.13-SUBCONTRACTORS**

A. Add the following paragraph:

"6.13.7 The CONTRACTOR may, without penalty, replace a Subcontractor who:

1. Fails to comply with the licensing and registration requirements of AS 08.18;
2. Fails to obtain or maintain a valid Alaska Business License;
3. Files for bankruptcy or becomes insolvent;
4. Fails to execute a subcontract or performance of the work for which the Subcontractor was listed, and the CONTRACTOR has acted in good faith;
5. Fails to obtain bonding acceptable to the DEPARTMENT;
6. Fails to obtain insurance acceptable to the DEPARTMENT;
7. Fails to perform subcontract work for which the Subcontractor was listed;
8. Must be replaced to meet the CONTRACTOR'S required state or federal affirmative action requirements.
9. Refuses to agree to abide by the CONTRACTOR'S labor agreement; or
10. Is determined by the DEPARTMENT to be not responsible.

In addition to the circumstances described above, a Contractor may in writing request permission from the Department to add a new Subcontractor or replace a listed Subcontractor. The DEPARTMENT will approve the request if it determines in writing that allowing the addition or replacement is in the best interest of the state.

The contractor shall submit a written request to add a new Subcontractor or replace a listed Subcontractor to the Contracting Officer a minimum of five working days prior to the date the new Subcontractor is scheduled to begin work on the construction site. The request must state the basis for the request and include supporting documentation acceptable to the Contracting Officer.

If a CONTRACTOR violates this article, the Contracting Officer may:

1. Cancel the Contract after Award without any damages accruing to the DEPARTMENT; or
2. After notice and hearing, assess a penalty on the bidder in an amount not exceeding 10 percent of the value of the subcontract at issue."

#### **SC-5.4.2d-BUILDERS RISK INSURANCE (SUBCONTRACTORS)**

At General Conditions Article 5.4.2d, delete the subsection in its entirety.

#### **SC-6.13-SUBCONTRACTORS**

A. Add the following paragraph:

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1. Fails to comply with the licensing and registration requirements of AS 08.18;
2. Fails to obtain or maintain a valid Alaska Business License;
3. Files for bankruptcy or becomes insolvent;
4. Fails to execute a subcontract or performance of the work for which the Subcontractor was listed, and the CONTRACTOR has acted in good faith;
5. Fails to obtain bonding acceptable to the DEPARTMENT;
6. Fails to obtain insurance acceptable to the DEPARTMENT;
7. Fails to perform subcontract work for which the Subcontractor was listed;
8. Must be replaced to meet the CONTRACTOR'S required state or federal affirmative action requirements.
9. Refuses to agree to abide by the CONTRACTOR'S labor agreement; or
10. Is determined by the DEPARTMENT to be not responsible.

In addition to the circumstances described above, a Contractor may in writing request permission from the Department to add a new Subcontractor or replace a listed Subcontractor. The DEPARTMENT will approve the request if it determines in writing that allowing the addition or replacement is in the best interest of the state.

The contractor shall submit a written request to add a new Subcontractor or replace a listed Subcontractor to the Contracting Officer a minimum of five working days prior to the date the new Subcontractor is scheduled to begin work on the construction site. The request must state the basis for the request and include supporting documentation acceptable to the Contracting Officer.

If a CONTRACTOR violates this article, the Contracting Officer may:

1. Cancel the Contract after Award without any damages accruing to the DEPARTMENT; or
2. After notice and hearing, assess a penalty on the bidder in an amount not exceeding 10 percent of the value of the subcontract at issue."

### **SC-7.2-PERMITS, LICENSES, AND TAXES**

A. In Paragraph 7.2.1, add the following subparagraphs:

"A The terms, conditions, and stipulations in permits obtained either by the DEPARTMENT or by the CONTRACTOR are made part of this Contract.

1. Permitting in process:
  - a. State of Alaska Fire Marshal Plan Review
    - i. Application and application fee by the DEPARTMENT.
    - ii. The CONTRACTOR will cooperate with the DEPARTMENT and the State of Alaska Fire Marshal in acquiring the plan review permit.
    - iii. The DEPARTMENT will make the plan review permit available.
    - iv. The DEPARTMENT will pay for plan review fees to modify the plan review permit during the performance of the Contract, if deemed necessary by the Engineer or the Fire Marshal.
2. The CONTRACTOR shall procure all other permits and licenses required to complete the project, pay all charges, fees and taxes, and give all notices necessary and incidental to the due and lawful prosecution of the Work.

### **SC-7.12-APPLICABLE ALASKA PREFERENCES**

A. Add the following paragraph:

"7.12.5 Alaska Veteran's Preference (AS 36.30.175). In determining the low bidder for State funded projects, a 5% bid preference has been given to a bidder who qualifies under AS 36.30.170(b) as an Alaska bidder and is a Qualifying Entity. This preference may not exceed \$5,000.00. In this subsection a "Qualifying Entity" means a:

- (1) Sole proprietorship owned by an Alaska Veteran;
- (2) Partnership under AS 32.06 or AS 32.11 if a majority of the members are Alaska veterans;
- (3) Limited liability company organized under AS 10.50 and if a majority of the members are Alaska veterans; or
- (4) Corporation that is wholly owned by individuals and a majority of the individuals are Alaska veterans.

A preference under this section is in addition to any other preference for which the bidder qualifies. To qualify for this preference, the bidders must add value by the bidder actually performing, controlling, managing and supervising a significant part of the services provided or the bidder must have sold supplies or the general nature solicited to other state agencies, governments, or the general public. An Alaska veteran shall be a resident of this state and an individual who served in the Armed forces of the United States, including a reserve unit of the United States armed forces; or Alaska Territorial Guard, the Alaska Army National Guard, or the Alaska Navel Militia; and was separated from service under a condition that was not dishonorable."

A preference under this section is in addition to any other preference for which the bidder qualifies. To qualify for this preference, the bidders must add value by the bidder actually performing, controlling, managing and supervising a significant part of the services provided or the bidder must have sold supplies or the general nature solicited to other state agencies, governments, or the general public. An Alaska veteran shall be a resident of this state and an individual who served in the Armed forces of the United States, including a reserve unit of the United States armed forces; or Alaska Territorial Guard, the Alaska Army National Guard, or the Alaska Navel Militia; and was separated from service under a condition that was not dishonorable."

### SC-7.13-WAGES AND HOURS OF LABOR

A. In paragraph 7.13.3, delete this paragraph in its entirety and replace with the following paragraphs:

"7.13.3 Notice of Work and Completion; Withholding of Payment

- A. Within three calendar days of award of a construction contract, the CONTRACTOR shall file a "Notice of Work Form" with the Department of Labor and Workforce Development (DOLWD) fees per AS 36.08.045. The CONTRACTOR lists all of their Subcontractors who will perform any portion of work on the contract and the contract price being paid to each subcontractor. The primary contractor shall pay all filing fees for each subcontractor performing work on the contract, including a filing fee based on the contract price being paid for work performed by the primary contractor's employees. The filing fee payable shall be the sum of all fees calculated for each subcontractor. The filing fee shall be one percent of each contractor's contract price. The total filing fee payable by the primary contractor under this subsection may not exceed \$5,000. The "Notice of Work Form" is available at <http://www.labor.state.ak.us/lss/forms/notice-of-work.pdf>
- B. The Contracting Officer will not issue Notice to Proceed to the CONTRACTOR until such notice and fees have been paid to DOLWD. Failure of the CONTRACTOR to file the Notice of Work and pay fees within this timeframe shall not constitute grounds for an extension of contract time or adjustment of contract price.
- C. Upon completion of all work, the primary contractor shall file with DOLWD a "Notice of Completion Form" together with payment of any additional filing fees owed due to increased contract amounts. Within 30 days after DOLWD's receipt of the primary contractor's notice of completion, DOLWD shall inform the DEPARTMENT of the amount, if any, to be withheld from the final payment. The "Notice of Completion Form" is available at <https://certpay.dol.alaska.gov/portal.aspx>

### SC-11.8-DELAY DAMAGES

At General Condition Article 11.8, add the following paragraphs:

- **Failure to Meet Substantial Completion Date:** Total time from Notice to Proceed to Substantial Completion shall not exceed 180 days. For each calendar day that the work is not Substantially Complete after the expiration of the Contract Time or the Substantial Completion Date has passed, the



DEPARTMENT shall deduct **Five hundred and Ten Dollars (\$510.00)** per day. This deduction will be made from the next progress payment.

- **Failure to Meet Final Completion Date:** For each calendar day that the work is substantially complete, but the project is not at Final Completion, after the Final Completion Date has passed, the DEPARTMENT shall deduct **Seventy Five Dollars (\$75.00)** from the final progress payment.

#### **SC-12.1-WARRANTY AND GUARANTEE**

At General Condition Article 12.1, add the following sentence: "The failure of the DEPARTMENT to strictly enforce the Contract in one or more instances does not waive its right to do so in other or future instances."

**END OF SECTION 00800**

Multiple Drawings and Specs:

**ACC - Anchorage Correctional Center**

AC0.1  
AC0.2  
AC1.0  
AC2.0  
AC2.1  
AC2.2  
AC2.3

**AMCC - Anvil Mountain Correctional Center**

AM0.1  
AM1.0  
AM2.0  
AM2.1

**FCC - Fairbanks Correctional Center**

FC0.1  
FC1.0  
FC2.0  
FC2.1  
FC2.2

**GCCC – Goose Creek Correctional Center**

GC0.1      GC2.2  
GC0.2      GC2.3  
GC0.3      GC2.4  
GC0.4      GC2.5  
GC0.5      GC2.6  
GC0.6      GC2.7  
GC0.7      GC2.8  
GC0.8      GC2.9  
GC0.9  
GC0.10  
GC0.11  
GC1.0  
GC2.0  
GC2.1

**HMCC – Hiland Mountain Correctional Center**

HM.01  
HM0.2  
HM0.3  
HM1.0  
HM2.1  
HM2.2  
HM2.3  
HM2.4  
HM2.5  
HM2.6  
HM2.7

**KCC – Ketchikan Correctional Center**

KC0.1  
KC1.0  
KC2.0  
KC2.1

**LCCC – Lemon Creek Correctional Center**

LC0.1  
LC0.2  
LC1.0  
LC2.0  
LC2.1  
LC2.2

**MSPT – Mat Su Pre-Trial**

MP0.1  
MP1.0  
MP2.0  
MP2.1

**PCC – Palmer Correctional Center**

PC0.1                      PC2.2  
PC0.2                      PC2.3  
PC0.3                      PC2.4  
PC0.4                      PC2.5  
PC1.0  
PC2.1

**PMCF – Point Mackenzie Correctional Farm**

PM0.1  
PM0.2  
PM1.0  
PM2.0  
PM2.1

**SCCC - Spring Creek Correctional Center**

SC0.1  
SC0.2  
SC1.0  
SC2.0  
SC2.1  
SC2.2  
SC2.3  
SC2.4  
SC2.5  
SC2.6

**WCC – Wildwood Correctional Center**

WC0.1  
WC0.2  
WC0.3  
WC0.4  
WC0.5  
WC1.0  
WC2.0  
WC2.1  
WC2.2  
WC2.3  
WC2.4  
WC2.5  
WC2.6  
WC2.7  
WC2.8

**YKCC – Yukon Kuskokwim Correctional Center**

YK0.1  
YK2.0  
YK2.2

## SECTION 01010

### SUMMARY OF WORK

#### PART 1 GENERAL

##### 1.01 RELATED REQUIREMENTS

- A. Section 00300 – Information Available to Bidders.
- B. Section 00700 - General Conditions: Provisions for use of site, and Using Agency occupancy. Relations of Contractor - Subcontractors.
- C. Section 00800 - Supplementary Conditions: Modifications to General Conditions.
- D. Section 01400 – Quality Control

##### 1.02 WORK COVERED BY CONTRACT DOCUMENTS

- A. Work covered by the contract documents is located at Nome, Fairbanks, Bethel, Eagle River, Palmer, Wasilla, Juneau, Ketchikan, Seward, and Anchorage Alaska. The work of this project includes, but is not limited to:

Base Bid: All labor, materials, supervision and engineering to include field investigation services, a computer based arc-flash study to determine the arc-flash hazard distance and the incident energy to which personnel could be exposed during work on or near electrical equipment, and the labeling of specified equipment.

The scope of work also includes Preventive Maintenance work on all electrical equipment and panels shown on the one-line drawings that are provided for each facility.

The tasks required to do this work include but are not limited to the following:

1. Short Circuit Analysis
2. Protective Device Coordination
3. Interrupt Rating Analysis
4. Incident Energy Analysis
5. Equipment Deficiency Report
6. The arc-flash study scope of work is defined by specification section 26 05 73 – Arc Flash Study, reference drawings provided for each DOC Facility, a DOC Facility electrical log, and the RFP.
7. Preventive Maintenance (PM)
  - a. **Infrared Thermographic Imaging:** Measure panel temperatures utilizing infrared scanning to measure and identify temperatures that exceed NFPA 70B recommendations. Check for defective circuit breakers, high resistance electrical connections and current overload.
  - b. **Visual & Mechanical Inspections:** Inspect all components (interior & exterior) to identify corrosion, rust or discoloration, leaks, safety hazards, electrical code violations, proper grounding, physical damage and general condition.
  - c. **Check Tightness:** Torque all connections and terminations to applicable specifications.

- d. **Installation:** Verify required clearances, physical damage, alignment and mounting integrity.
- e. **Exercising:** Exercise all active components during the inspection process. (close coordination with facility required to insure no loss of critical power without prior notification)
- f. **Mechanical Indicators:** Verify all mechanical indicators are serviceable and functioning.
- g. **Cleaning:** Clean interior and exterior of equipment to include wiping down, vacuuming or blowing out as needed.
- h. **Minor Repairs:** Provide minor repairs (missing screws or knockouts) where possible.

### 1.03 CONTRACT METHOD

- A. Construct the Work under a single lump sum Contract.

### 1.04 WORK BY OTHERS

- A. Other State projects may be under construction in the vicinity of the Project. See Document 00800 - Supplementary Conditions, Article SC-8.1.
- B. Cooperate with other Contractors and the Department to minimize conflict with construction operations.

### 1.05 WORK INSIDE FACILITY

- A. Work within the facility shall be conducted only between the hours of 8:00 AM and 5:00 PM Monday thru Friday, unless specifically approved by the Department. Requests for work outside of these hours must be submitted in writing 24 hours in advance.
- B. Contractor shall not under any circumstances leave tools or equipment unattended within the limits of the project site unless secured in a locked toolbox or equipment storage container. Contractor will be liable for any damages to persons and/or property resulting from unattended tools or equipment.
- C. Any tools or equipment left unattended within the limits of the project site by the Contractor shall be subject to confiscation by the Department. Confiscated equipment may be obtained from the Department after 24 hours. A fee of \$25 per item confiscated may be deducted from the Contractor's subsequent pay request. No claims for delay will be considered for impacts to the work due to items left unattended by the Contractor and confiscated by the Department.
- D. Contractor and all subcontractors shall at all times wear an identifying badge in a visible location. Badge to be provided by the Using Agency – see Section 01540, Security.
- E. Contractor shall at all times maintain a clean and clear floor space and provide a physical barricade and detour route for foot traffic within the areas of construction. Provide clear and easy access to and egress from spaces at all times during construction, unless specifically arranged through the Using Agency. Provide and maintain full safe access at existing exits at all times.
- F. Contractor shall notify the Department 24 hours in advance of performing Work that produces loud noise for an extended duration of time (greater than 15 minutes).
- G. All items marked for demolition shall remain the property of the Using Agency.

### 1.06 WORK PLANS AND ACCESS TO FACILITY, INDIVIDUAL WORK AREAS

- A. In close coordination with the work schedule, provide detailed written (narrative) work plan with a sketch of each area impacted by the Contractor's work. The work plan shall be broken out into phases to localize impact of construction activities. Show limits of work enclosures, barricades, temporary partitions, or other items affecting the operation of the area.
- B. Prior to beginning work in new phase of work identified in the work plan, the Contractor shall notify the Department in writing at least 5 (five) working days, not including

weekends or Holidays.

- C. Allow for Using Agency use and occupancy of the facility throughout the duration of the work. The Department may reject a work plan for non-conformance with contract documents or this section. The Contractor may be required to construct work in stages to accommodate Using Agency use of the facility during construction. Coordinate progress schedule with Using Agency occupancy during construction.
- D. No construction operations affecting safety or comfort of the public shall begin until the work area is closed off from the public.
- E. Where work is adjacent to or above existing cabinetwork, equipment, furniture, supplies or other fixtures, include means and method of protection as a part of the work plan. This requirement is for coordination with Using Agency and is not intended to relieve the Contractor of the responsibility for safety and protection of the existing building and facilities in accordance with Article 6.17 of the General Conditions.
- F. It shall be the responsibility of the Contractor to coordinate all construction and haul activities through the Department and to comply with their instructions concerning the movements of construction equipment, men and materials in the vicinity of the Using Agency operations in the vicinity of the project. All such requests shall be made at least 48 hours (excluding weekends) in advance of any planned closure or change.
- G. All work shall be performed in a manner that will minimize disruption of ongoing activities and operations in the existing facility during the course of the project. Demolition or any other work of a nature that could be hazardous or disruptive to activities shall be as approved by the Using Agency. Work areas must be cleaned, and made safe and suitable for occupancy prior to the next scheduled use of the facility.
- H. Contractor staging area shall minimize interference with the Using Agency's use of the facility. Access shall be maintained for the Using Agency, supply access, trash disposal, and vehicle access around the facility.
- I. Contractor staging area to remain within the location designated on the plans.

#### 1.07 WORK SEQUENCE

- A. Construct work in phases to accommodate the Using Agency's occupancy requirements during the construction period. Coordinate construction schedule and operations with the Department.
- B. Project phasing schedule:
  - a. **Phase 1** includes all arc-flash study work on three (3) DOC Correctional Centers in Northern Region, Alaska. Northern Region DOC Correctional Centers include Yukon-Kuskokwim (YKCC - Bethel), Anvil Mountain (AMCC - Nome), and Fairbanks (FCC).
  - b. **Phase 2** includes all arc-flash study work on two (2) DOC Correctional Centers in Southeastern Region, Alaska. Southeastern Region DOC Correctional Centers include Lemon Creek (LCCC - Juneau) and Ketchikan (KCC).
  - c. **Phase 3** includes all arc-flash study work on two (2) DOC Correctional Centers on the Kenai Peninsula, Alaska. Kenai Peninsula region DOC Correctional Centers include Wildwood (WCC - Kenai) and Spring Creek (SCCC - Seward).
  - d. **Phase 4** includes all remaining arc-flash study work on seven (7) DOC Correctional Centers in South Central Region, Alaska. South Central region DOC Correctional Centers include Anchorage East and West (ACC), Hiland Mountain (HMCC - Eagle River), Palmer (PCC), Matsu-Pretrial (MSPT Wasilla), Goose Creek (GCCC - Wasilla), Point Mackenzie Correctional Farm (PMCF - Wasilla).
    - i. All work on Anchorage Correctional Center East shall be completed last due to concurrent work underway inside the facility.

## 1.08 SHUTOFFS/DISRUPTIONS TO SERVICE

- A. Provide written notification of work in area at least three (3) working days (not including weekends) in advance.
- B. Plan work to minimize down time. The DEPARTMENT shall approve power system shutoffs at least 72 hours in advance before disconnecting or transferring any electrical power service. **Partial or complete electrical power shutoffs shall not exceed three (3) hours in total duration.** Work with Department to schedule disruption for a time that minimizes impact on the Using Agency's operations.
- C. Provide written work plan and schedule for disruptions to service that exceed one hour.
- D. Schedule of Utilities Interruptions. As soon as practical, and at least one week prior to the first outage, the Contractor shall prepare a proposed schedule of utilities outages. The schedule shall include proposed water, heating, and electrical outages. The Contractor will not be bound by the entire schedule as originally submitted, but he will be expected to modify the schedule as required, and to the best of his ability, adhere to an accurate schedule as adjusted on a week-to-week basis. In addition to the above requirements, the Contractor must give the Department a minimum of 16-working hours notice prior to any utilities interruptions.

## 1.09 CONTRACTOR'S USE OF PREMISES

- A. Limit use of premises to that necessary for performance of the Work and for construction operations, to allow for continuous occupancy of the facility and grounds. Coordinate use of the premises under direction of Department.
- B. Contractor is responsible for all safety considerations and precautions required during the construction period and to ensure all laws pertaining to workplace safety are followed.
- C. Assume full responsibility for protection and safekeeping of products under this Contract.
- D. Assume full responsibility for the protection of existing buildings and contents, and equipment from damage due to construction operations. Take all necessary precautions to protect building occupants from any hazards during the progress of the Work.
- E. Obtain and pay for use of additional storage or Work areas needed for operations under this Contract.
- F. Do not stop or otherwise impede traffic without prior written approval from the Department. Provide traffic control layout plan and traffic control schedule upon request, unless Traffic Control is specifically required by another Section within this Contract, then provide as required in that Section.

## 1.10 USING AGENCY OCCUPANCY

- A. The Using Agency will occupy facilities for the conduct of its normal operations during the entire construction period. Limit use of premises for Work and for construction operations to allow for Using Agency occupancy. Coordinate use of premises under direction of the Using Agency.
- B. Cooperate with the Department in scheduling operations to minimize conflict and to facilitate Using Agency operations.
- C. Contractor shall provide Material Safety Data Sheets for all products that may produce unpleasant odors.

## 1.11 COORDINATION

- A. Coordinate Work of the various sections of Specifications to ensure efficient and orderly sequence of installation of construction elements, with provisions for accommodating items installed later.



- B. Verify if characteristics of elements of interrelated operating equipment are compatible; coordinate Work of various sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.
- C. Coordinate space requirements and sequence of installation of mechanical and electrical work, which is indicated diagrammatically on Drawings. Follow routing shown for pipes, ducts, and conduits, as closely as practicable; make runs parallel with lines of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs. Coordinate work with existing elements in the building. Do not locate piping, conduit or other products where they will block access to equipment or junction boxes.
- D. In finished areas except as otherwise shown, conceal pipes, ducts, and wiring in the construction. When removing existing ceiling materials the contractor shall ensure that the removed ceiling materials are reinstalled in a similar condition as when removed. All damaged ceiling materials shall be replaced by the Contractor at no cost to the Department.
- E. Execute cutting and patching to integrate elements of Work, provide openings for penetrations of existing surfaces, and provide samples for testing. Seal penetrations through floors, walls, partitions, and ceilings.

#### **1.12 OVERTIME WORK**

- A. The Contractor shall notify the Department at least 48 hours in advance of any overtime work, including nights, weekends, and holidays. No overtime work will be authorized without prior Department approval.

#### **1.13 SURVEYING EXISTING CONDITIONS**

- A. Prior to commencing work, the Contractor and the Department shall jointly survey existing conditions, noting and recording any existing damage. Before work begins, the Contractor and the Department shall both sign a Survey Record.
- B. The Survey Record shall serve as a basis for determining any subsequent damage to existing facilities caused by the Contractor's work.

#### **1.14 CONCEALED CONDITIONS UNACCEPTABLE TO CONTRACTOR**

- A. Should the Contractor discover conditions that are inconsistent with the Contract or existing construction of a substandard nature that will affect the satisfactory completion of the Work, the Department shall be notified immediately.
- B. Upon notification from the Contractor, the Department may issue a Change Order authorizing the Contractor to perform the work necessary for compliance with the Contract.

#### **1.15 PROJECT COORDINATION PROCEDURE**

- A. The Department shall issue all orders to the Contractor. The Architect/Engineer shall be responsible to the Department for architectural observation of the project. The Architect/Engineer may issue field memorandum to the Contractor for deficiencies in the work and for providing additional instruction and interpretation of the technical specifications and drawings. The Architect/Engineer is not authorized to make any changes in the contract amount nor time for completion of the project. Any reference to Architect, Engineer, Project Manager, or any other related title shall be construed to be the Department.

#### **1.16 SUPERINTENDENCE AND EMPLOYEES**

- A. Before starting work, the Contractor shall designate a competent authorized representative to represent and act for the Contractor, and shall inform the Department in writing of the name and address of such representative, together with a clear definition of the scope of his authority to represent and act for the Contractor, and shall specify any and all limitations of such authority. Such representative shall be present or duly represented at the site of work at all times when work is actually in progress and, during

periods when work is suspended, arrangements acceptable to the Department shall be made for emergency work that may be required. The Contractor's authorized representative shall be supported by competent assistants, as necessary; and the authorized representative and his assistants shall be satisfactory to the Department. All requirements, instructions and other communications given to the authorized representative by the Department shall be as binding if given to the Contractor.

- B. None of the Contractor's superintendents, supervisors, or engineers shall be withdrawn from the work without due notice being given to the Department; and no such withdrawal shall be made if it will jeopardize successful completion of the work.
- C. The Contractor shall employ only competent and skilled personnel to perform any work. The Contractor shall be responsible for maintaining the orderly and faithful conduct of its employees.
- D. The Department may, in writing, require the Contractor to remove from the work any employee whom the Department deems incompetent, careless, insubordinate, or otherwise objectionable or whose continued employment on the work is deemed by the Department to be contrary to the Department's interest.

**PART 2 PRODUCTS**

**Not Used**

**PART 3 EXECUTION**

**Not used**

**END OF SECTION**

## **SECTION 01020**

### **INTENT OF DOCUMENTS**

#### **PART 1 GENERAL**

##### **1.01 REQUIREMENTS INCLUDED**

- A. Explanation of intent and terminology of the Construction Documents.

##### **1.02 RELATED REQUIREMENTS**

- A. Section 00700 - General Conditions: Article 1 Definitions relating to 'Drawings' and 'Specifications'.
- B. Section 00700 - General Conditions: Article 3 Contract Documents relating to Intent, Amending, and Reuse.

##### **1.03 SPECIFICATION FORMAT AND COMPOSITION**

- A. Specifications are divided into Divisions and Sections for the convenience of writing and using. Titles are not intended to imply a particular trade jurisdiction. DEPARTMENT is not bound to define the limits of any subcontract, and will not enter into disputes between the Contractor and his employees, including Subcontractors.
- B. Pages are numbered independently for each Section, and recorded in the Table of Contents. Section number is shown with the page number at the bottom of each page. The end of each Section of the specifications is ended by "End of Section". It is Contractor's responsibility to verify that Contract Documents received for bidding and/or construction are complete in accordance with Table of Contents.
- C. The language employed in the Contract Documents is addressed directly to the Contractor. Imperative or indicative language is generally employed throughout and requirements expressed are the mandatory responsibility of the Contractor, even though the work specified may be accomplished by specialty subcontractors engaged by the Contractor. References to third parties in this regard shall not be interpreted in any way as to relieve the Contractor of his or her responsibility under this Contract.
- D. These Specifications are of the abbreviated, or "streamlined" type, and may include incomplete sentences.
- E. Omissions of words or phrases such as "the Contractor shall", "in conformity therewith", "shall be", "as noted on the Drawings", "according to the Drawings", "a", "an", "the" and "all" are intentional.
- F. Omitted words or phrases shall be supplied by inference in the same manner as they are when a "note" occurs on the Drawings.

##### **1.04 DRAWINGS: CONTENT EXPLANATION**

- A. Drawings, Dimensions and Measurements.
  - 1. Contract Documents do not purport to describe in detail, absolute and complete construction information. In some instances drawings are diagrammatic. Contractor shall provide verification of actual site conditions

and shall provide complete and operational systems as specified when drawings do not provide full detail.

2. Where on any of the Drawings a portion of the work is drawn out and the remainder is indicated in outline, the parts drawn out shall apply also to all other portions of the Work.
3. Wherever a detail is referenced and developed for a specific condition, same or similar detail shall apply to identical or similar conditions elsewhere on Project even though not specifically referenced.
4. Where the word "similar" occurs on the Drawings, it shall be interpreted in its general sense and not as meaning identical, all details shall be worked out in relation to their location and their connection with other parts of the work.
5. The figured dimensions on the Drawings or notes indicating dimensions shall be used instead of measurements of the Drawings by scale.
6. No scale measurements shall be used as a dimension to work with unless specific permission to do so is granted in advance in writing by the Department.

#### **1.05 COMMON TERMINOLOGY**

- A. Certain items used generally throughout the Specifications and Drawings are used as follows:
  1. Indicated: The term "indicated" is a cross reference to details, notes or schedules on the Drawings, other paragraphs or schedules in the Specifications, and similar means of recording requirements in the Contract Documents. Where terms such as "shown", "noted", "schedules", and "specified" are used in lieu of "indicate", it is for the purpose of helping the reader accomplish the cross reference, and no limitation of location is intended except as specifically noted.
  2. Installer: The person or entity engaged by Contractor, his Subcontractor or sub-subcontractor for the performance of a particular unit of Work at the Project site, including installation, erection, application and similar required operations. It is a general requirement that installers be recognized experts in the work they are engaged to perform.
  3. Furnish: Except as otherwise defined in greater detail, the term "furnish" is used to mean "...supply and deliver to the Project site, ready for unpacking, assembly and installation..."
  4. Provide: Except to the extent further defined, the term "provide" means to furnish and install, complete and ready for the intended use.
  5. Guarantee and Warranty: "Warranty" is generally used in conjunction with products manufactured or fabricated away from the Project site, and "guarantee" is generally used in conjunction with units of work which require both products and substantial amounts of labor at the Project site. The resulting difference is that warranties are frequently issued by manufacturers, and guarantees are generally issued by Contractor and frequently supported (partially) by product warranties from manufacturers.

#### **1.06 CONFLICTS**

- A. Report any conflicts to the Department for clarification.

**PART 2 PRODUCTS**

**Not Used**

**PART 3 EXECUTION**

**Not Used**

**END OF SECTION**

**SECTION - 01027**  
**APPLICATIONS FOR PAYMENT**

**PART 1 GENERAL**

**1.01 REQUIREMENTS INCLUDED**

- A. Procedures for preparation and submittal of Applications for Payment.

**1.02 RELATED REQUIREMENTS**

- A. Section 00510 - Construction Contract - Contract Form 25D-10a and Bid Schedule: Method of Payment and Contract Price and Amounts of Liquidated Damages.
- B. Section 00700 - General Conditions: Progress Payments, and Final Payment.
- C. Section 01300 - Submittals: Procedures.
- D. Section 01700 - Contract Closeout: Closeout Procedures.

**1.03 FORMAT**

- A. Application for Payment form in format approved by the Department.

**1.04 PREPARATION OF APPLICATIONS**

- A. Type required information on Application for Payment form approved by the Department.
- B. Execute certification by original signature of authorized officer upon the Application for Payment.
- C. Submit names of individuals authorized to be responsible for information submitted on application for payment.
- D. Indicate breakdown of costs for each item of the Work on accepted Schedule of Values. Provide dollar value in each column for each line item for portion of Work performed and for stored products.
- E. List each authorized Change Order as an extension on continuation sheet, listing Change Order number and dollar amount as for an original item of Work.
- F. Prepare Application for Final Payment as specified in Section 01700.

**1.05 SUBMITTAL PROCEDURES**

- A. Submit one copy of each Application for Payment at times stipulated in Contract.
- B. Submit under transmittal letter specified in Section 01300.

**1.06 SUBSTANTIATING DATA**

- A. When Department requires substantiating information, submit data justifying line item amounts in question.

- B. Substantiating data required under General Conditions Articles 7.12.3 and 7.12.4 shall be submitted (or updated) when the Application for Payment includes a current request for payment on an item of Work required to include Alaska "agricultural/wood" products.
- C. Provide one copy of data with cover letter for each copy of Application. Show Application number and date, and line item by number and description.

**1.07 SUBMITTALS WITH APPLICATION FOR PAYMENT**

- A. Submit the following with each Application for Payment.
  - 1. Updated construction schedule as required by Section 01300 - Submittals.
  - 2. Updated Schedule of Values as required by Section 01300 – Submittals: Schedule of Values.
  - 3. The Contractor's as-builts will be reviewed prior to approving each application for payment.

**PART 2 PRODUCTS**  
Not Used

**PART 3 EXECUTION**  
Not Used

**END OF SECTION**

**SECTION 01028**  
**CHANGE ORDER PROCEDURES**

**PART 1 GENERAL**

**1.01 REQUIREMENTS INCLUDED**

- A. Procedures for processing Change Orders.

**1.02 RELATED REQUIREMENTS**

- A. Section 00312 - Bid Schedule: Total amount bid for lump sum items.
- B. Section 00510 - Contract Form: Total amount of Contract Price, as awarded.
- C. Section 00700 - General Conditions: Governing requirements for changes in the Work, in Contract Price, and Contract Time.
- D. Section 00800 - Supplementary Conditions: Modifications to Document 00700 - General Conditions.
- E. Section 01027 - Applications for Payment.
- F. Section 01300 – Submittals: Construction Progress Schedules, Schedule of Values.
- G. Section 01600 – Material and Equipment: Product Options, Substitutions.
- H. Section 01700 – Contract Closeout: Project Record Documents.

**1.03 SUBMITTALS**

- A. Submit name of the individual authorized to accept changes, and to be responsible for informing others in Contractor's employ of changes in the Work.
- B. Change Order Forms will be prepared by the Department.

**1.04 DOCUMENTATION OF CHANGE IN CONTRACT PRICE AND CONTRACT TIME**

- A. Maintain detailed records of work done on a Cost of the Work plus a Fee basis. Provide full information required for evaluation of proposed changes, and to substantiate costs of changes in the Work. Incomplete or unsubstantiated costs will be disallowed.
- B. Contractor shall submit a complete, detailed, itemized cost breakdown addressing impact on Contract Time and Contract Price with each proposal.
- C. On request, provide additional data to support computations:
  - 1. Quantities of products, labor, and equipment.
  - 2. Taxes, insurance and bonds.
  - 3. Overhead and profit.
  - 4. Justification for any change in Contract Time.



5. Credit for deletions from Contract, similarly documented.
- D. Support each claim for additional costs, and for work done on a cost of the Work plus a Fee basis, with additional information:
1. Origin and date of claim.
  2. Dates and times work was performed, and by whom.
  3. Time records and wage rates paid.
  4. Invoices and receipts for products, equipment, and subcontracts, similarly documented.

#### **1.05 PRELIMINARY PROCEDURES**

- A. Department may submit a Proposal Request which includes: Detailed description of change with supplementary or revised Drawings and Specifications, the projected time for executing the change, with a stipulation of any overtime work required, and the period of time during which the requested price will be considered valid.
- B. Contractor may initiate a change by submittal of a request to Department describing the proposed change with a statement of the reason for the change, and the effect on Contract Price and Contract Time, with full documentation. Document any requested substitutions in accordance with Section 01600.

#### **1.06 CONSTRUCTION CHANGE AUTHORIZATION**

- A. Shall be in accordance with Article 9 – Changes, in Section 00700 - General Conditions, as modified by the Supplementary Conditions.

#### **1.07 FIXED PRICE CHANGE ORDER**

- A. Contractor shall submit an itemized price proposal in sufficient detail to fully explain the basis for the proposal. Attach invoices and receipts for products, equipment, and subcontracts, as requested by the Department. Contractor and the Department shall then negotiate an equitable price (and time adjustment if appropriate) in good faith. The Change Order will reflect the results of those negotiations. If negotiations break down Contractor may be directed to perform the work under COST OF THE WORK CHANGE ORDER.
- B. The following maximum rates of cost markup (to cover both overhead and profit of the Contractor) shall be used in the negotiation of a "Fixed-Price" Change Order:  
  
See Supplementary Conditions, Article SC-10.3.2.
- C. These terms shall also apply to the proposals of subcontractors and allowances.
- D. Will be based on proposal request and Contractor's lump sum quotation or Contractor's request for Change Order as approved by the Department.

#### **1.08 UNIT PRICE CHANGE ORDER**

- A. For pre-determined Unit Prices and quantities, Change Order will be executed on a lump sum basis.

- B. For pre-determined Unit Prices and undetermined quantities, Change Order will be executed on an estimated quantity basis; payment will be based on actual quantities measured as specified.
- C. For unit costs or quantities of units of Work which are not predetermined, execute Work under a Directive. Changes in Contract Price or Contract Time will be computed as specified for Cost of the Work Change Order.

**1.09 COST OF THE WORK CHANGE ORDER**

- A. Contractor shall submit documentation required in Article 1.04 on a daily basis for certification by the Department. Project Manager will indicate by signature that the submitted documentation is acceptable.
- B. After completion of the change and within 14 calendar days, unless extended by the Project Manager, the Contractor shall submit in final form an itemized account, with supporting data, of all costs. Supporting data shall have been certified by the Project Manager, as required above in paragraph A.

**1.10 EXECUTION OF CHANGE ORDERS**

- A. Department will issue Change Orders for signatures of parties as provided in Conditions of the Contract.

**1.11 CORRELATION OF CONTRACTOR SUBMITTALS**

- A. Promptly revise Application for Payment forms to record each authorized Change Order as a separate line item and adjust the Contract Price as shown on Change Order.
- B. Promptly revise Progress Schedules to reflect any change in Contract Time, revise sub-schedules to adjust times for other items of Work affected by the change, and resubmit.
- C. Promptly enter changes in Project Record Documents.

**PART 2 PRODUCTS**

Not Used

**PART 3 EXECUTION**

Not Used

**END OF SECTION**

## SECTION 01041

### WORK COORDINATION

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Coordinate Work between the Individual Specification Sections and with that of other contractors and work by DEPARTMENT as required, under the administration of the Resident Engineer.

##### 1.2 RELATED REQUIREMENTS

- A. Bidding and Contract Requirement Section 00700 - General Conditions:
  - 1. Article 2.2 – Evaluations by Contracting Officer.
  - 2. Article 3 – Contract Documents: Intent, Amending, Reuse.
  - 3. Article 4.4 – Utilities.
  - 4. Article 4.5 – Damaged Utilities.
  - 5. Article 4.6 – Utilities Not Shown or Indicated.
  - 6. Article 6 – Contractor’s Responsibilities.
  - 7. Article 7 – Laws and Regulations.
  - 8. Article 8 – Other Work.
  - 9. Article 9.4 – Change Order.
  - 10. Article 9.9 - Differing Site Conditions.
  - 11. Article 12 – Quality Assurance.

B. Section 01010 – Summary of Work. Related Work at the Site.

C. Section 01200 - Project Meetings.

D. Section 02540 – Security. User Agency’s Facility Liaison.

E. Section 01700 - Contract Closeout.

##### 1.3 REQUIREMENTS

- A. These items below will be addressed at the Preconstruction Conference.
- B. Section 00700 General Conditions, Article 8.1 – Related Work at the Site and Section 01010 Summary of Work. The DEPARTMENT has a Contractor working at the site.
- C. Furnish all necessary equipment, services and personnel to perform the Work. Plan Work accordingly and coordinate all scheduled activities with the Resident Engineer and the DEPARTMENT’S Contractor working at the site.
- D. Coordinate schedules, submittals and Work of the Individual Specification Sections to assure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later by the CONTRACTOR, by the DEPARTMENT or under separate contracts.
- E. Verify that characteristics of elements of interrelated operating equipment are compatible; coordinate work of Individual Specification Sections that have interdependent responsibilities for installing connection to, and placing such equipment in service.
- F. Coordinate with Engineer to insure that concealed Work is fully inspected and accepted before covering it up by further Work.

- G. Coordinate access to site for correction of defective Work and Work not according to the Contract Documents. Minimize disruption to the User Agency's operations.
- H. Coordinate completion and cleanup of Work of the Individual Specification Sections in preparation for Substantial Completion.
- I. Whenever the Work of a Subcontractor is dependent upon the Work of other Subcontractors, Contractors, or utility company contractors installing utilities under contract with the DEPARTMENT, then the CONTRACTOR shall require the Subcontractor to:
  - 1. Coordinate its Work with the dependent work.
  - 2. Provide dependent data and requirements.
  - 3. Supply and install items to be built into dependent work of others.
  - 4. Make provisions for dependent work of others.
  - 5. Examine dependent drawings, specifications and submittals.
  - 6. Examine previously placed dependent work.
  - 7. Check and verify dependent dimensions of previously placed work.
  - 8. Notify Contractor of previously placed dependent work or dependent dimensions, which are unsatisfactory or will prevent a satisfactory installation of its Work.
  - 9. Not proceed with its Work until the unsatisfactory conditions have been corrected.
  - 10. Contractor shall require subcontractors to participate in coordination meetings as required by the DEPARTMENT.

**1.4 CONTRACTOR COORDINATION WITH USER AGENCY'S OPERATIONS**

- A. The Resident Engineer will serve as the interface for project coordination between the CONTRACTOR and the User Agency.
- B. All CONTRACTOR personnel shall become familiar with the User Agency's operations at the site. Keep within the limits of the Work. CONTRACTOR personnel shall not enter any restricted areas.
- C. This Work may involve performing activities in proximity to User Agency operations. The CONTRACTOR shall coordinate all Work with the User Agency that may affect the User Agency's operations. Project coordination will include, but not be limited to the following:
  - 1. The Resident Engineer and CONTRACTOR will meet with the User Agency's representative before starting any Work under this Contract.
  - 2. The Resident Engineer and the User Agency's representative will establish procedures for the following:
    - a) Safety, construction activities, and schedule.
    - b) Access routes and other travel at the site.
    - c) Material storage and disposal locations.
    - d) Any other project-related factors that could affect User Agency operations.
- D. Construction Access Routes and Areas:
  - 1. Prevent interference with the User Agency's gravel roads and access to other areas. Maintain and repair these areas damaged by the CONTRACTOR'S or Subcontractor's operations. Return all areas used during the Work to their original condition.
  - 2. Coordinate all construction tasks that may require equipment to work in these access routes or areas.
  - 3. Do not store, park, or leave unattended any materials, vehicles or equipment in these areas unless authorized by the User Agency.

## **1.5 COORDINATION WITH THE DEPARTMENT'S CONTRACTOR**

- A. There are no other DEPARTMENT Contractors working at the facility.

## **1.6 COORDINATION WITH EXISTING FACILITIES AND UTILITIES**

- A. The Contract indicates various site utilities that may be within the project area and indicate whether they are to remain in service, be abandoned in place, and be adjusted by others or by the CONTRACTOR. The DEPARTMENT will notify User Agency and endeavor to have all necessary adjustments to be made by others completed as soon as practicable.
- B. The location and elevation of existing utilities shown on the Plans are approximate only. Additional utilities may exist that are not shown on the Plans. Before starting construction, the CONTRACTOR will locate the User Agency's utilities and at points of possible conflict. If necessary, the CONTRACTOR shall be responsible for uncovering the utilities and protect them.
- C. If utilities are found that are not shown on the Drawings or conflicts occur that require adjusting, the Resident Engineer shall make Contract adjustments according with Section 00700 General Conditions, Article 9. It is understood and agreed that the Contractor has considered in their bid:
  - 1. All the permanent and temporary utilities in their present and relocated positions as shown on the Plans.
  - 2. The completion dates for various utility adjustments as may be stated in Section 00800 Special Provisions, and at no additional compensation will be allowed for delays, inconvenience or damage sustained by the Contractor due to any interference from said utility or the operation of moving them.

## **1.7 CONSTRUCTION MOBILIZATION**

- A. Coordinate with User Agency's Facility Liaison and the Resident Engineer in allocation of mobilization areas of site for access, traffic, and parking facilities.
- B. During construction coordinate use of site and facilities through the User Agency's Facility Liaison and the Resident Engineer.
- C. Comply with Resident Engineer's procedures for intra-Project communications: Submittals, reports and records, schedules, coordination drawings, and recommendations, and resolution of ambiguities and conflicts.
- D. Comply with User Agency's Facility Liaison and Resident Engineer instructions of for use of temporary utilities and construction facilities.
- E. Coordinate field engineering and layout work under instructions of Resident Engineer.

## **1.8 SCHEDULES**

- A. Submit progress schedule covering CONTRACTOR'S portion of the Work in accordance with Section 01300 Schedules and Reports. After review, revise and resubmit schedule to comply with master Project schedule.
- B. During progress of Work revise and resubmit as directed by Resident Engineer.

## **1.9 CLOSEOUT PROCEDURES**

- A. Notify Resident Engineer when Work is considered ready for Substantial Completion. Accompany Resident Engineer on preliminary inspection to determine items to be listed for completion or correction in CONTRACTOR'S notice of Substantial Completion.
- B. Comply with Resident Engineer's instruction to correct items of work listed in executed certificates of Substantial Completion.
- C. Notify Resident Engineer when Work is considered finally complete. Accompany Resident Engineer on preliminary final inspection.
- D. Comply with Resident Engineer's instructions for completion of items of Work determined from Architect/Engineer's final inspection.

**PART 2 PRODUCTS**

**Not Used**

**PART 3 EXECUTION**

**Not Used**

**END OF SECTION 01041**

**SECTION 01090**  
**REFERENCE STANDARDS**

**PART 1 GENERAL**

**1.01 REQUIREMENTS INCLUDED**

- A. Quality Assurance
- B. Applicability of Reference Standards
- C. Provision of Reference Standards at site
- D. Acronyms used in Contract Documents for Reference Standards. Source of Reference Standards

**1.02 RELATED REQUIREMENTS**

- A. Section 00700 - General Conditions: Paragraph 3.4.2.

**1.03 QUALITY ASSURANCE**

- A. For products or workmanship specified by association, trade, or Federal Standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
- B. The date of the standard is that in effect as of the Project Advertisement date, or Effective Date of the Contract when there was no Advertisement, except when a specific date is specified.
- C. When required by an individual Specification section, obtain copy of standard. Maintain copy at site during submittals, planning, and progress of the specific Work, until Final Completion.
- D. Should specified reference standards conflict with Contract Documents, request clarification from the Architect/Engineer before proceeding. Local code requirements, where more stringent than referenced standards, shall govern.
- E. Neither the contractual relationship, duties, nor responsibilities of the parties in Contract nor those of the Architect/Engineer shall be altered by the Contract Documents by mention or inference otherwise in any reference document.

**1.04 SCHEDULE OF REFERENCES**

AA	Aluminum Association 818 Connecticut Avenue, N.W. Washington, DC 20006
AABC	Associated Air Balance Council 1000 Vermont Avenue, N.W. Washington, DC 20005
AASHTO	American Association of State Highway and Transportation Officials 444 North Capitol Street, N.W. Washington, DC 20001
ACI	American Concrete Institute Box 19150 Reford Station Detroit, MI 48219

ADC	Air Diffusion Council 230 North Michigan Avenue Chicago, IL 60601
AGC	Associated General Contractors of America 1957 E Street, N.W. Washington, DC 20006
AI	Asphalt Institute Asphalt Institute Building College Park, MD 20740
AISC	American Institute of Steel Construction 400 North Michigan Avenue Eighth Floor Chicago, IL 60611
AIISI	American Iron and Steel Institute 1000 16th Street, N.W. Washington, DC 20036
AITC	American Institute of Timber Construction 333 W. Hampden Avenue Englewood, CO 80110
AMCA	Air Movement and Control Association 30 West University Drive Arlington Heights, IL 60004
ANSI	American National Standards Institute 1430 Broadway New York, NY 10018
APA	American Plywood Association Box 11700 Tacoma, WA 98411
ARI	Air-Conditioning and Refrigeration Institute 1815 North Fort Myer Drive Arlington, VA 22209
ASHRAE	American Society of Heating, Refrigeration and Air Conditioning Engineers 1791 Tullie Circle, N.E. Atlanta, GA 30329
ASME	American Society of Mechanical Engineers 345 East 47th Street New York, NY 10017
ASPA	American Sod Producers Association Association Building Ninth and Minnesota Hastings, NE 68901
ASTM	American Society for Testing and Materials 1916 Race Street Philadelphia, PA 19103



AWI	Architectural Woodwork Institute 2310 South Walter Reed Drive Arlington, VA 22206
AWPA	American Wood-Preservers' Association 7735 Old Georgetown Road Bethesda, MD 20014
AWS	American Welding Society 550 LeJeune Road Miami, FL 33135
AWWA	American Water Works Association 6666 West Quincy Avenue Denver, CO 80235
CDA	Copper Development Association 57th Floor, Chrysler Building 405 Lexington Avenue New York, NY 10174
CLFMI	Chain Link Fence Manufacturers Institute 1101 Connecticut Avenue, N.W. Washington, DC 20036
CRSI	Concrete Reinforcing Steel Institute 933 Plum Grove Road Schaumburg, IL 60195
EJMA	Expansion Joint Manufacturers Association 707 Westchester Avenue White Plains, NY 10604
FGMA	Flat Glass Marketing Association 3310 Harrison White Lakes Professional Building Topeka, KS 66611
FM	Factory Mutual System 1151 Boston-Providence Turnpike Norwood, MA 02062
FS	Federal Specification General Services Administration Specifications and Consumer Information Distribution Section (WFSIS) Washington Navy Yard, Building 197 Washington, DC 20407
GA	Gypsum Association 1603 Orrington Avenue Evanston, IL 60201
IEEE	Institute of Electrical and Electronics Engineers 345 East 47th Street New York, NY 10017

IMIAC	International Masonry Industry All-Weather Council International Masonry Institute 815 15th Street, N.W. Washington, DC 20005
MFMA	Maple Flooring Manufacturers Association 2400 East Devon Suite 205 Des Plaines, IL 60018
MIL	Military Specification Naval Publications and Forms Center 5801 Tabor Avenue Philadelphia, PA 19120
ML/SFA	Metal Lath/Steel Framing Association Metal Manufacturers 221 North LaSalle Street Chicago, IL 60601
NAAMM	National Association of Architectural Metal Manufacturers 221 North LaSalle Street Chicago, IL 60601
NEBB	National Environmental Balancing Bureau 8224 Old Courthouse Road Vienna, VA 22180
NEMA	National Electrical Manufacturers' Association 2101 L Street, N.W. Washington, DC 20037
NFPA	National Fire Protection Association Battery March Park Quincy, MA 02269
NFPA	National Forest Products Association 1619 Massachusetts Avenue, N.W. Washington, DC 20036
NSWMA	National Solid Wastes Management Association 1120 Connecticut Avenue, N.W. Washington, DC 20036
NTMA	National Terrazzo and Mosaic Association 3166 Des Plaines Avenue Des Plaines, IL 60018
PCA	Portland Cement Association 5420 Old Orchard Road Skokie, IL 60077
PCI	Prestressed Concrete Institute 201 North Wacker Drive Chicago, IL 60606

PS Product Standard  
U.S. Department of Commerce  
Washington, DC 20203

RCSHSB Red Cedar Shingle and Handsplit Shake Bureau  
515 116th Avenue  
Bellevue, WA 98004

RIS Redwood Inspection Service  
One Lombard Street  
San Francisco, CA 94111

SDI Steel Deck Institute  
Box 3812  
St. Louis, MO 63122

SDI Steel Door Institute  
712 Lakewood Center North  
Cleveland, OH 44107

SIGMA Sealed Insulating Glass Manufacturers Association  
111 East Wacker Drive  
Chicago, IL 60601

SJI Steel Joist Institute  
1703 Parham Road  
Suite 204  
Richmond, VA 23229

SMACNA Sheet Metal and Air Conditioning Contractors'  
National Association  
8224 Old Court House Road  
Vienna, VA 22180

SSPC Steel Structures Painting Council  
4400 Fifth Avenue  
Pittsburgh, PA 15213

TAS Technical Aids Series  
Construction Specifications Institute  
601 North Madison Street  
Alexandria, VA 22314

TCA Tile Council of America, Inc.  
Box 326  
Princeton, NJ 08540

UL Underwriters' Laboratories, Inc.  
333 Pfingston Road  
Northbrook, IL 60062

WCLIB West Cost Lumber Inspection Bureau  
Box 23145  
Portland, OR 97223

**PART 2 PRODUCTS**

**Not Used**

**PART 3 EXECUTION**

**Not Used**

**END OF SECTION**

**SECTION 01126**  
**CONTRACTOR'S CERTIFICATION OF SUBCONTRACTS**

**PART 1 GENERAL**

**1.01 REQUIREMENTS INCLUDED**

- A. Procedures for preparing, submitting and accepting subcontracts.

**1.02 RELATED REQUIREMENTS**

- A. Section 00100 - Instructions to Bidders, Requirements of Apparent Low Bidder.
- B. Section 00430 - Subcontractor List.
- C. Section 00700 - General Conditions: Article 6.13.1, Subcontractor Certification and Approval.
- D. Section 01300 - Submittals: Procedures.

**1.03 PREPARATION OF CERTIFICATION**

- A. Certification Forms: Use only forms provided by Department.
- B. Contractor to prepare certification form in accordance with the instructions on the reverse side of form. Multiple subcontracts may be included under a single submittal. Where required, attach additional information -- cross referenced to the appropriate Subcontract -- to the certification form.
- C. Substitute certification forms will not be considered.

**1.04 SUBMITTAL OF CERTIFICATION**

- A. Contractor shall submit the initial and all subsequent certification form(s) in accordance with the submittal requirements identified under paragraph 1.02.D, previous.

**1.05 CONSIDERATION OF CERTIFICATION**

- A. Following receipt of submittal and within a reasonable period of time Department shall review for each of the following:
  - 1. Completeness of forms and attachments
  - 2. Proper execution (signatures) of forms and attachments
- B. Submittals which are not complete or not properly executed will be returned to the Contractor under a transmittal letter denoting the deficiencies found. Contractor shall correct and resubmit per paragraph 1.04, previous.
- C. SUBCONTRACTORS WHICH HAVE NOT BEEN APPROVED BY THE DEPARTMENT SHALL NOT BE ALLOWED ON SITE.
- D. Payment will not be made for work performed by a non-certified subcontractor.

**1.06 ACKNOWLEDGEMENT OF CERTIFICATION**

- A. Submittals which have been examined by the Department and are determined to be complete and properly executed shall be acknowledged as such by the Department's project Manager on the approval line of the certification form.

**1.07 CHANGES TO APPROVED SUBCONTRACTORS LIST**

- A. Deletion or Replacement of Subcontractors listed on approved form 25D-5, or the addition of Subcontractors not listed on approved form 25D-5 shall be in accordance with article 6.13.7 of the Supplementary Conditions.

**PART 2 PRODUCTS**

**Not Used**

**PART 3 EXECUTION**

**Not Used**

**END OF SECTION**

## **SECTION 01200 - PROJECT MEETINGS**

### **PART 1 GENERAL**

#### **1.1 SECTION INCLUDES**

- A. Preconstruction Conferences.
- B. Site Mobilization Meeting.
- C. Progress Meetings.
- D. Preinstallation Conferences.

#### **1.2 RELATED REQUIREMENTS**

- A. Bidding and Contract Requirement Document 00120 - Supplementary Instructions to Bidders: Pre-Bid Conference.
- B. Bidding and Contract Requirement Section 00700 - General Conditions:
  - 1. Article 6.6 – Anticipated Schedules. Submitting the Anticipated Progress Schedule before the Preconstruction Conference.
- C. Section 01010 – Summary of Work: Coordination.
- D. Section 0141 – Work Coordination.
- E. Section 01300 - Submittals: Submittal Procedures and Progress Schedules.
- F. Section 01305 – Submittal Register Form.
- G. Section 01400 - Quality Control.
- H. Section 01700 - Contract Closeout: Closeout Procedures.

#### **1.3 SUBMITTALS**

- A. Submit under transmittal letter specified in Section 01300 Submittals.
- B. Contractor's Delegation of Authority.
- C. Submit Progress Meeting Minutes.
- D. Submit Preinstallation Meeting Minutes (if requested).

#### **1.4 PRECONSTRUCTION CONFERENCES**

- A. DEPARTMENT will administer a preconstruction conference at the project site before any physical construction begins at the site.
- B. Attendance: The CONTRACTOR, the CONTRACTOR'S Job superintendent, major Subcontractors and Suppliers; DEPARTMENT and Consultants as appropriate.
- C. Agenda (including, but not limited to the following, as applicable):
  - 1. Notice to Proceed.
  - 2. Execution of Contract.
  - 3. The DEPARTMENT'S and Contractor's Delegation of Authority.
  - 4. A discussion of lines and limitation of authority for the contractor, the construction management team, the client agency and the DOT&PF.
  - 5. Review of administrative procedures.
  - 6. Submittal and RFI procedures.
  - 7. Exchange of CONTRACTOR'S preliminary submittals.
  - 8. Change Notices, Change Proposal Requests and Change Order procedures.

9. Progress schedule, meetings and updating procedures.
10. Using Agency operations and emergencies.
11. Security issues.
12. Badge requirements.
13. Parking limitations.
14. Wage reporting requirements and labor compliance interviews.
15. Subcontractor approvals.
16. DBE requirements.
17. Liquidated damages.
18. Pay request procedures.
19. Safety requirements.
20. Special Inspection schedules.
21. Environmental concerns.
22. Unusual conditions, potential construction difficulties or specialty items.
23. Other items pertinent to the project.
24. Questions and Answers.

D. The DEPARTMENT will take notes and distribute meeting minutes to each attendee. This meeting is usually tape-recorded.

#### **1.5 SITE MOBILIZATION MEETING**

- A. DEPARTMENT may administer site mobilization conference at Project site before any physical construction begins at the site. This meeting will be conducted at the same time as the preconstruction meeting.
- B. Attendance: Job superintendent, Subcontractors (if available), the DEPARTMENT and Consultants as appropriate to agenda topics for each meeting. If Subcontractors are not available at the beginning of the project, then the DEPARTMENT will administer other site mobilization meetings as the Subcontractors arrive at the site.
- C. Prepare a detailed written work plan in preparation for this meeting.
- D. Agenda (including, but not limited to the following, as applicable):
  1. CONTRACTOR'S responsibilities and use of premises.
  2. Coordinate with the Using Agency for occupancy throughout the duration of the work.
  3. Review site Using Agency's requirements.
  4. Coordinate and review related work at the site.
  5. Review security, safety, and housekeeping procedures.
  6. Schedules and submittals.
  7. Manufacturer's instructions and Material Safety Data Sheets (MSDS).
  8. Material storage.
  9. Procedures for testing and inspection.
  10. Procedures for maintaining record documents.
- E. The DEPARTMENT will take notes and distribute meeting minutes to the CONTRACTOR.



## **1.6 PROGRESS MEETINGS**

- A. Schedule and administer weekly Project meetings throughout progress of the Work (unless this requirement is waived by the Project Manager).
- B. Make physical arrangements for meetings, prepare agenda with copies for participants, preside at meetings, record minutes, and distribute copies within two days to DEPARTMENT, participants, and those affected by decisions made at meetings.
- C. Attendance: Job superintendent, major Subcontractors and Suppliers, DEPARTMENT and Consultants as appropriate to agenda topics for each meeting.
- D. Minimum Required Agenda:
  - 1. Review of Work progress.
  - 2. Status of progress schedule and adjustments thereto.
  - 3. Work anticipated in the next two weeks (two week look ahead schedule).
  - 4. Delivery schedules.
  - 5. Submittals.
  - 6. Maintenance of quality standards.
  - 7. Pending changes and substitutions.
  - 8. Other items affecting progress of Work.
- E. The CONTRACTOR will take notes and submit meeting minutes to the Project Manager.

## **1.7 PREINSTALLATION CONFERENCES**

- A. When required in Individual Specification Section, or directed by the DEPARTMENT convene a preinstallation conference prior to commencing Work of the section.
- B. Require attendance of entities directly affecting, or affected by, Work of the section.
- C. Review conditions of installation, preparation and installation procedures, and coordination with related Work.
- D. The CONTRACTOR will take notes and submit meeting minutes to the Resident Engineer (if requested).

## **1.8 OTHER MEETINGS**

- A. When required in Individual Specification Section, or directed by the DEPARTMENT convene a meeting prior to commencing Work of the section.

## **PART 2 PRODUCTS**


**Not Used**

## **PART 3 EXECUTION**

**Not Used**

**END OF SECTION 01200**

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<p style="text-align: center;"><b>STATE OF ALASKA DOT &amp; PF PUBLIC FACILITIES BRANCH</b></p>	<p style="text-align: center;"><b>CONTRACTOR DELEGATION OF AUTHORITY</b></p>	
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CONTRACTOR: \_\_\_\_\_

Project No.: 170009903

PROJECT NAME: GOOSE CREEK CORRECTIONAL CENTER NITROGEN GENERATORS

The contract documents contain several requirements that the Contractor identify employees with various authorities and/or responsibilities. This form is provided for your convenience in meeting the requirements common to most contracts. Other requirements may exist. The referenced paragraphs in General Provision (Section 00700) do not apply to Small Procurement Contracts.

Please complete the applicable portions of this form and return it to the Project Manager. A letter will be furnished to you that define the authorities and responsibilities of Department, Using Agency and Consultant personnel.

**Authority to sign Applications for Payment (see Section 00700, Para 13.3)**

_____	_____
Printed Name	Sample Signature
_____	_____
Printed Name	Sample Signature

**Authority to Sign Change Orders & Change Notices (see Section 00700, Para 9.4)**

_____	_____
Printed Name	Sample Signature
_____	_____
Printed Name	Sample Signature

**Safety Representative (see Section 00700, Para 6.18)**

_____
Printed Name

**Project Superintendent (see Section 00700, Para 6.2)**

Printed Name

Telephone Number

Local Address

**Shop Drawing Submittals (see Section 00700, Para 6.20.1)**

Printed Name

Sample Initials

Sample Stamp:

I certify that the above personnel have been delegated the authorities and responsibilities referenced in the contract documents:

\_\_\_\_\_  
Signature of Owner, Partner or Corporate Officer

\_\_\_\_\_  
Name, printed or typed

## **SECTION 01300 SUBMITTALS**

### **PART 1 GENERAL**

#### **1.01 REQUIREMENTS INCLUDED**

- A. Procedures
- B. Construction Progress Schedules
- C. Schedule of Values
- D. Shop Drawings, Product Data, and Samples
- E. Manufacturer's Instructions and Certificates
- F. Field Samples

#### **1.02 RELATED REQUIREMENTS**

- A. Section 00700 - General Conditions
- B. Section 00800 - Supplementary Conditions
- C. Section 01010 - Summary of Work.
- D. Section 01027 - Applications for Payment.
- E. Section 01400 - Quality Control: Manufacturers' Field Services, Testing Laboratory Services.
- F. Section 01600 - Material and Equipment: Products List.
- G. Section 01700 - Contract Closeout: Closeout Procedures.

#### **1.03 PROCEDURES**

- A. Deliver submittals to Department as directed.
- B. Prior to the purchase or ordering of any materials or equipment, submit for approval complete data describing all items intended for use in the Work. Include the item's manufacturer, identifying number or nomenclature, and other information as necessary to describe the item. Also include the manufacturer's published data describing each item's size, capacity, performance, and power requirements. Provide certification stating that the Contractor has reviewed the material and that all items conform with the Contract requirements. Submittals made without such certification will be returned unreviewed. This certification shall be in the form of a stamp on each material item submitted and signed or initialed. The name of the certifier shall be typed or legibly printed in or near the stamp.
- C. Transmit each item under Department accepted form. Identify Project, Contractor, subcontractor, major Supplier, identify pertinent Drawing sheet and detail number, and Specification section number, as appropriate. Identify deviations from Contract Documents by submitting a Department supplied Substitution Request Form. Provide a minimum of 8-1/2" x 5-1/2" blank space on the front page for Contractor and Consultant review stamps. Provide submittals bound in loose leaf, hard cover, three ring binders complete with tabs and indexes by Specification Section. At the Department's option, partial submittals, which encompass less than a single section will be returned unreviewed or held unreviewed until the submittal is complete.
- D. When substitute equipment is proposed, clearly and unambiguously mark submitted material describing the substitute to identify the differences between the qualities and characteristics of the offered substitute and the specified material. Failure to provide this identification of

differences when substitutes are submitted for consideration will result in rejection of the proposed material.

- E. When equipment substitutions are approved and that equipment alters the design or space requirements indicated on the plans, the Contractor shall pay for all items of cost for the revised design and construction including costs of other trades involved and any engineering required to incorporate the approved substituted equipment into the Project. Owner shall not pay for the required additional costs.
- F. Material and equipment installed, purchased, furnished, or provided for the Project which has not been submitted and reviewed by the Department may be ordered removed and acceptable material and equipment installed in its place at no additional cost to the Owner.
- G. Submit initial Progress Schedules and Schedule of Values in accordance with Article SC-6.6 of Section 00800 - Supplementary Conditions prior to submitting first Application for Payment. Form and content shall be reviewed by the Department. After review by Department, revise and resubmit as required. Submit subsequent updated schedules (10) days prior to each Application for Payment.
- H. Comply with progress schedule for submittals related to Work progress. Coordinate submittal of related items.
- I. After Department review of submittal, revise and resubmit as required, identifying changes made since previous submittal. Provide total number of submittals as required for the first submission. If six are required and four were returned for revisions, submit six again. The Department and Consultants will not return the first or revised copies of rejected submittals for re-use. DO NOT submit partial copies of submittals for incorporation into rejected submittal packages, which have been kept by the Department and/or Consultants. Provide COMPLETE copies for each review.
- J. If drawings, product submittals, samples, mock-ups, or other required submittals are incomplete or not properly submitted, the Department will not review the submittal and will immediately return submittal to Contractor. Department will review a submittal no more than two times (incomplete or improper submittals count as one). Contractor shall pay all review costs associated with more than two reviews, unless a resubmittal is required due to new comments addressing previously submitted information.

#### **1.04 CONSTRUCTION PROGRESS SCHEDULES**

- A. Submit horizontal bar Gantt chart (see below for electronic version requirements). Schedule shall show:
  - 1. Separate bar for each major trade or operation, identifying the duration of each activity and precedent activities.
  - 2. Complete sequence of construction by activity, identifying Work of separate stages and other logically grouped activities. Show each work plan and separate work area as a separate activity or group of activities.
  - 3. Submittal dates for required Shop Drawings, product data, and samples, and product delivery dates, including those furnished by Department and those under allowances.
  - 4. All required submittals and indicating the date for each required submittal.
  - 5. Show projected percentages of completion for each item of Work and submittal as of time of each Application for Progress Payment. See below for electronic version requirements.
  - 6. Submit Progress Schedule plotted on paper no larger than 24" x 36" and no smaller than 8-1/2" x 11" from the electronic program. Provide in electronic form using Microsoft Project 2000 version 9.0 or newer.
  - 7. Submit Progress Schedule percentages in Tracking Gantt form plotted from and in electronic form as stated above.

## 1.05 SCHEDULE OF VALUES

### A. FORMAT

1. Form and content must be acceptable to Department.
2. Contractor's standard form or media-driven printout will be considered on request.
3. Follow Table of Contents of Project Manual and Divisions Indicated on the drawings for listing component parts. Identify each line item by number and title of listed Specification Sections.

### B. CONTENT

1. List installed value of each major item of Work and each subcontracted item of Work as a separate line item to serve as a basis for computing values for progress payments. Round off values to nearest dollar.
2. For each major subcontract, list products and operations of that subcontract as separate line items.
3. Coordinate listings with progress schedule.
4. Component listings shall each include a directly proportional amount of Contractor's overhead and profit.
5. For items on which payments will be requested for stored products, list sub-values for cost of stored products with taxes paid.
6. Specific line item Values as indicated below shall be minimum acceptable amounts and must be included on all approved Schedules of Values and Applications for Payment.
  - a. Section 01700 - Contract Closeout. Value of all required Substantial Completion Submittals and Closeout Submittals shall be not less than: See Supplementary Conditions, Article SC-6.6.2.
  - b. No progress payments will be made for Substantial Completion Submittals and Closeout Submittals until all submittals have been submitted to and accepted by the Department.
7. The sum of values listed shall equal total Contract Price.

### C. SUBMITTAL

1. Submit Schedule of Values within 21 days after the Notice to Proceed. Subsequent updated Schedule of Values shall be presented for review ten days prior to each Application for Payment.
2. Transmit under Department accepted form transmittal letter. Identify Project by Department title and Project number; identify Contract by Department Contract number.

### D. SUBSTANTIATING DATA

1. When Department requires substantiating information, submit data justifying line item amounts in question.
2. Provide one copy of data with cover letter for each copy of the Application for Payment. Show application number and date, and line item by number and description.

## 1.06 SHOP DRAWINGS, PRODUCT DATA AND SAMPLES

### A. SHOP DRAWINGS:

1. Present in a clear and thorough manner. Label each Shop Drawing with Department's Project name and Project number; identify each element of the

Shop Drawings by reference to sheet number and detail, schedule, or room number of Contract Documents.

2. Identify field dimensions; show relation to adjacent or critical features or Work or products.
3. Minimum Sheet Size: 8-1/2"x11". Larger sheets may be submitted in multiples of 8-1/2"x11".

**B. PRODUCT DATA**

1. Submit only pages which are pertinent; mark each copy of standard printed data to identify pertinent products, models, options, and other data, referenced to Specification section and Article number. Show reference standards, performance characteristics, and capacities; wiring and piping diagrams and controls; component parts; finishes; dimensions; and required clearances.
2. Modify manufacturer's standard schematic drawings and diagrams to supplement standard information to provide information specifically applicable to the Work. Delete information not applicable.

**C. SAMPLES**

1. Submit full range of manufacturer's standard finishes except when more restrictive requirements are specified, indicating colors, textures, and patterns, for Department selection.
2. Submit samples to illustrate functional characteristics of products, including parts and attachments.
3. Approved samples, which may be used in the Work, are indicated in the Specification section.
4. Label each sample with identification required for transmittal letter.
5. Provide field samples of finishes at Project, at location acceptable to Department, as required by individual Specification section. Install each sample complete and finished. Acceptable finishes in place may be retained in completed Work.

**D. MANUFACTURER'S INSTRUCTIONS**

1. When required in individual Specification Section, submit manufacturer's printed instructions for delivery, storage, assembly, installation, start-up, adjusting, balancing, and finishing, in quantities specified for product data.
2. Manufacturer's instructions for storage, preparation, assembly, installation, start-up, adjusting, balancing, and finishing under provisions of Section 01400.

**E. CONTRACTOR REVIEW**

1. Review submittals prior to transmittal; determine and verify field measurements, field construction criteria, manufacturer's catalog numbers, and conformance of submittal with requirements of Contract Documents.
2. Coordinate submittals with requirements of Work and of Contract Documents.
3. Sign or initial each sheet of Shop Drawings and product data, and each sample label to certify compliance with requirements of Contract Documents. Notify Department in writing at time of submittal, of any deviations from requirements of Contract Documents.
4. Do not fabricate products or begin Work that requires submittals until return of submittal with Department acceptance.

**F. SUBMITTAL REQUIREMENTS**

1. Each submittal to be numbered by Specification Section and Paragraph. Revisions shall be identified by a hyphen after the paragraph, with a letter



designator. Example: 1st submittal "01010 1.08A", 2nd submittal 01010 1.08A - A".

2. Transmit submittals in accordance with the required submittal schedule and in such sequence to avoid delay in the Work.
3. Provide 8-1/2" x 5-1/2" blank space on each submittal for Contractor and Consultant stamps.
4. Apply Contractor's stamp, signed or initialed, certifying to review, verification of products, field dimensions and field construction criteria, and coordination of information with requirements of Work and Contract Documents.
5. Coordinate submittals into logical groupings to facilitate interrelation of the several items:
  - a. Finishes which involve Department selection of colors, textures, or patterns.
  - b. Associated items that require correlation for efficient function or for installation.
6. Submit number of opaque reproductions of shop drawings Contractor requires, plus two copies which will be retained by Department.
7. Submit number of copies of product data and manufacturer's instructions Contractor requires, plus two copies, which will be retained by Department.
8. Submit number of samples specified in individual Specifications sections.
9. Submit under Department accepted transmittal form letter. Identify Project by title and Department Project number; identify Contract by Department contract number. Identify Work and product by Specification section and Article number.
10. Each submittal shall have as its face document a completed Department furnished Submittal Summary form.
11. Each submittal shall include the manufacturer's name and address, and supplier's name, address and telephone number.

#### G. RESUBMITTALS

1. After Department review of submittal, revise and resubmit as required, identifying changes made since previous submittal. Provide total number of submittals as required for the first submission. If six are required and four were returned for revisions, submit six again. The Department and Consultants will not return the first or revised copies of rejected submittals for re-use. DO NOT submit partial copies of submittals for incorporation into rejected submittal packages which have been kept by the Department and/or Consultants. Provide COMPLETE copies for each review.

#### H. DEPARTMENT REVIEW

1. Department or authorized agent will review Shop Drawings, product data, and samples and return submittals within (14) working days.
2. Department or authorized agent will examine shop drawings for general arrangement, overall dimensions and suitability, and will return to the Contractor marked as follows:
  - "No Exceptions Taken" - denotes that the submittal generally meets the requirements of the Contract Documents. "No Exceptions Taken" does not indicate a review of the Contractor's design except for general compliance with the requirements of the Contract Documents.
  - "Make Corrections Noted" - denotes review is conditional on compliance with notes made on the submittal.

- "Revise and Resubmit" - denotes that revisions are required in the submittal in order for the submittal to be generally consistent with the requirements of the Contract Documents. Required revisions will be identified to the Contractor.
  - "Rejected" - denotes that the submittal does not meet the requirements of the Contract Documents and shall not be used in the Work. Reasons for rejection will be identified to the Contractor.
3. Review by the Department of shop and erection drawings shall not be construed as a complete check, but will indicate only that the general method of construction and detailing is consistent with the requirements of the Contract Documents. Review of such drawings shall not relieve the Contractor of the responsibility for errors, dimensions, and detail design.
  4. Department will require submittal of all required color and finish samples in order to approve any color or finish.
- I. DISTRIBUTION
    1. Duplicate and distribute reproductions of Shop Drawings, copies of product data, and samples, which bear Consultant's stamp, to job site file, record documents file, Subcontractors, Suppliers, and other entities requiring information.
  - J. SCHEDULE OF SUBMITTALS
    1. Submittal Register Form to be completed by Contractor and approved by Department prior to submittal of any items.
    2. Submit shop drawings, product data and samples as required for each specification section.
    3. Format.
      - a. Submittal schedule form as provided by Department.

**1.07 MANUFACTURER'S INSTRUCTIONS**

- A. When required in individual Specification Section, submit manufacturer's printed instructions for delivery, storage, assembly, installation, start-up, adjusting, and finishing, in quantities specified for product data.

**1.07 FIELD SAMPLES**

- A. Provide field samples of finishes as required by individual Specifications section. Install sample complete and finished. Acceptable samples in place may be retained in completed Work.

**PART 2 PRODUCTS**

Not Used

**PART 3 EXECUTION**

Not Used

**END OF SECTION**

## **SECTION 01400**

### **QUALITY CONTROL**

#### **PART 1 GENERAL**

##### **1.01 REQUIREMENTS INCLUDED**

- A. General Quality Control
- B. Workmanship
- C. Manufacturer's Instructions
- D. Manufacturer's Certificates
- E. Mockups
- F. Manufacturers' Field Services
- G. Testing Laboratory Services
- H. Departmental Inspection Services

##### **1.02 RELATED REQUIREMENTS**

- A. Section 00700 - General Conditions: Inspection and testing required by governing authorities.
- B. Section 01010 – Summary of Work: Work Plans and Access to Facility, Individual Work Areas.
- C. Section 01300 - Submittals: Shop Drawings, Product Data, and Samples

##### **1.03 QUALITY CONTROL, GENERAL**

- A. Maintain quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce Work of specified quality.

##### **1.04 WORKMANSHIP**

- A. Comply with industry standards except when more restrictive tolerances or specified requirements indicate more rigid standards or more precise workmanship.
- B. Perform Work by persons qualified to produce workmanship of specified quality.
- C. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, and racking.

##### **1.05 MANUFACTURERS' INSTRUCTIONS**

- A. Comply with instructions in full detail, including each step in sequence. Should instructions conflict with Contract Documents, request clarification from Department before proceeding.

##### **1.06 MANUFACTURERS' CERTIFICATES**

- A. When required by individual Specifications section, submit manufacturer's certificate, in duplicate, that products meet or exceed specified requirements.

##### **1.07 MOCKUPS**

- A. When required by individual Specifications section, erect complete, full-scale mockup of assembly at site, perform required tests, and remove mockup at completion, when approved by Department.

##### **1.08 MANUFACTURERS' FIELD SERVICES**

- A. When required by manufacturer or when specified in respective Specification sections,

require manufacturer to provide qualified personnel to observe field conditions, conditions of surfaces and installation, quality of workmanship, start-up of equipment, test, adjust and balance of equipment as applicable, and to make appropriate recommendations.

- B. Require manufacturer's representative to submit written report to Department listing observations and recommendations.

#### **1.09 TESTING LABORATORY SERVICES**

- A. Contractor shall employ and pay for services of an independent testing laboratory to perform inspections, tests, and other services required by individual Specification sections.
- B. Services will be performed in accordance with requirements of governing authorities and with specified standards.
- C. Reports will be submitted to Department in triplicate giving observations and results of tests, indicating compliance or non-compliance with specified standards and with Contract Documents.
- D. Contractor shall cooperate with testing laboratory personnel; furnish tools, samples of materials, design mix, equipment, storage and assistance as requested.
  - 1. Notify Department and testing laboratory 72 hours prior to expected time for operations requiring testing services.
  - 2. Make arrangements with testing laboratory and pay for additional samples and tests for Contractor's convenience.

#### **1.10 DEPARTMENTAL INSPECTION SERVICES**

- A. REQUEST AND PAYMENT
  - 1. Contractor shall request and when applicable pay for services provided by the Department to perform specified inspection and testing.
  - 2. Inspection by the Department or its agents shall in no way relieve Contractor of obligation to perform Work in accordance with requirements of Contract Documents.
- B. QUALITY ASSURANCE
  - 1. Comply with requirements of all referenced standards.
  - 2. Department shall retain a registered Engineer or Architect on staff to provide review services in those areas of their immediate expertise.
  - 3. Engineers or Architects will be registered in State in which Project is located.
  - 4. Testing equipment shall be calibrated at reasonable intervals with devices of an accuracy traceable to either NBS Standards or accepted values of natural physical constants.
- C. DEPARTMENT RESPONSIBILITIES
  - 1. Review schedules and request for inspections as submitted by Contractor for timeliness and conformance.
  - 2. Provide qualified personnel at site after due notice; cooperate with Contractor in performance of services.
  - 3. Perform specified inspection, inventorying, and testing of products in accordance with specified standards.
  - 4. Ascertain compliance of materials and equipment with requirements of Contract Documents.
  - 5. Promptly notify Contractor of observed irregularities or non-conformance of Work or products.
  - 6. Perform additional inspections and re-tests required by the Contract Documents.

7. When applicable provide to the Contractor a written description of Department's costs attributed to the inspection.

**D. DEPARTMENT REPORTS**

1. After each inspection and/or test, promptly submit one copy of inspection report to Contractor. Include: Date issued, Project title and Department Project number, name of inspector(s), date and time of inspection, identification of product and Specifications section, location in the Project, type of inspection or test, results of inspection or tests, and conformance with Contract Documents. When requested in writing by Contractor, provide interpretation of results.

**E. LIMITS ON AUTHORITY RESULTING FROM INSPECTIONS**

1. Department may not release, revoke, alter, or enlarge on requirements of Contract Documents through the issuance of an inspection report.
2. Department may not approve or accept any portion of the Work through the issuance of an inspection report.
3. Department may not assume any duties of Contractor through the issuance of an inspection report.
4. Department has no authority to stop Work through the issuance of an inspection report.

**F. CONTRACTOR RESPONSIBILITIES**

1. Cooperate with Department personnel, and provide access to Work and when appropriate, to manufacturer's facilities.
2. Provide incidental labor and facilities to provide access to Work to be inspected, to obtain and furnish incidental supplies at the site or at source of products to be inspected, to facilitate tests and inspections, and for storage and curing of test samples when appropriate.
3. Notify Department as stated above in Contractor Submittals for operations requiring inspection, special inspection and testing services.
4. Pay costs of Department furnished services for all re-inspections as required by Contract Documents.

**PART 2 PRODUCTS**

Not Used

**PART 3 EXECUTION**

Not Used

**END OF SECTION**

**SECTION 01500**  
**CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS**

**PART 1 GENERAL**

**1.01 REQUIREMENTS INCLUDED**

- A. Electricity, Lighting
- B. Heat, Ventilation
- C. Telephone Service
- D. Water
- E. Sanitary Facilities
- F. Dust Control (Exterior)
- G. Dust Control
- H. Noise Control
- I. Construction Enclosures
- J. Barriers
- K. Barricades, Warnings, and Markings
- L. Protection of Installed Work
- M. Security
- N. Water Control
- O. Fencing and Security
- P. Materials Storage and Protection
- Q. Site and Off-Site Storage
- R. Owner Access
- S. Utility Locates
- T. Marking of Contractor Vehicles
- U. Parking
- V. Protection of Existing Facilities
- W. Protection of Existing Vegetation, Structures, Utilities, and Improvements
- X. Salvage
- Y. Temporary Enclosure and Space Heating
- Z. Environmental Requirements
- AA. Construction Cleaning
- AB. Removal
- AC. Waste Storage Equipment
- AD. Cleaning of the Project Area
- AE. Disposal

**1.02 RELATED REQUIREMENTS**

- A. Section 01010 - Summary of Work: Use of Premises.
- B. Section 01010 - Summary of Work: Shutoffs and Disruptions to Service.
- C. Section 01700 - Contract Closeout: Final cleaning.

### **1.03 ELECTRICITY, LIGHTING**

- A. The Contractor may utilize power from the Using Agency's existing facility. All tie-ins are the Contractor's responsibility and must be coordinated with the Using Agency.
- B. Connect to existing service, provide branch wiring and distribution boxes located to allow service and lighting by means of construction-type power cords. Department will pay costs of energy used.
- C. Provide lighting for construction operations. The Contractor shall include in its bid the cost of providing, and shall provide, general construction area lighting wherever work is in progress and wherever lighting is required for the safety of any person employed on the site.
- D. Take precautions to conserve energy. Wasteful use of power will be back-charged to the Contractor.

### **1.04 HEAT, VENTILATION**

- A. Coordinate use of existing facilities with the Owner. Extend and supplement with temporary units as required to maintain specified conditions for construction operations, and to protect materials and finishes from damage due to temperature or humidity. Using Agency will absorb costs of energy used.
- B. Provide as required to maintain specified conditions for construction operations, to protect materials and finishes from damage due to temperature or humidity.
- C. Do not use permanent facilities for temporary purposes, except as installation is approved by the Department for operation.
- D. Fully exhaust to the outside welding fumes generated from operations related to performance of the Work.
- E. Provide ventilation of enclosed areas to cure materials, to disperse humidity, and to prevent accumulations of dust, fumes, vapors, or gases.

### **1.05 TELEPHONE SERVICE**

- A. Provide telephone service if required for construction operations. Use of telephones in existing facilities can be arranged with the Using Agency for making local calls only.

### **1.06 WATER**

- A. The Contractor may utilize water from the Using Agency's existing facility. All tie-ins are the Contractor's responsibility and must be coordinated with the Using Agency.
- B. Provide service required for construction operations. Extend branch piping with outlets located so that water is available by use of hoses.
- C. The Using Agency will pay for water used.
- D. Hoses or temporary piping will not be permitted in public areas where a hazard to the public may be created.

### **1.07 SANITARY FACILITIES**

- A. Use of existing toilet facilities can be arranged with the Using Agency provided arrangements are made in advance to start of construction and subject to the following conditions: (a) Contractor must maintain strict supervision of the use of the facility; (b) Contractor must clean facilities daily; (c) The Owner will be utilizing these same facilities and must have access to them at all times.

### **1.08 DUST CONTROL (EXTERIOR)**

- A. The Contractor shall be responsible for dust control on the project site. The Contractor is responsible to prevent dust being generated from his operation to enter into any part of existing facilities. The only allowable exception is the area on the construction site of any temporary dust-proof partitioning. The Contractor shall include in its bid the cost of

providing, and shall provide, all plant, labor and equipment necessary to fulfill his responsibilities under this Article.

- B. Execute Work by methods that minimize raising of dust or airborne debris from construction or demolition operations.
- C. Provide positive means to prevent airborne dust from dispersing or entering any portion of the building.

#### **1.09 DUST CONTROL**

- A. Execute Work by methods to minimize raising dust from construction operations.
- B. Provide active means to prevent airborne dust from dispersing into occupied areas.
- C. Water mist work surfaces to control dust while cutting.

#### **1.10 NOISE CONTROL**

- A. Provide methods, means, and facilities to minimize noise produced by construction operations.

#### **1.11 CONSTRUCTION ENCLOSURES**

- A. Provide temporary wall and roof enclosures if required to maintain specified working conditions and/or protect existing facilities.
  - 1. Temporary wall and roof enclosures shall be sealed and insulated R-19 minimum thermal resistance to maintain specified working conditions and to maintain minimum 65<sup>0</sup> F. interior temperature and to attenuate noise. Plastic insulation is not permitted.
- B. Provide temporary enclosures/partitions around areas inside the structures that are affected by the construction. Enclosures/partitions shall:
  - 1. Isolate construction from Using Agency, occupants, and the public occupying adjacent spaces.
  - 2. Prevent the penetration of dust and/or moisture into occupied areas.
  - 3. Prevent damage to existing materials, finishes, and equipment or other existing building components and contents.
  - 4. Be designed and stamped by an engineer licensed by the State of Alaska if over 12 feet high.
  - 5. Localized polyethylene enclosures: airtight plastic enclosures that extend from floor to ceiling. Seams shall be sealed with duct tape to prevent dust and debris from escaping. Provide overlapping flap minimum of 2 feet wide for personnel access.
  - 6. Rigid enclosures shall be constructed of metal studs, GWB, 10 mil polyethylene, and sound attenuation insulation. Enclosures/partitions shall extend from floor to ceiling with complete closure at intersections with existing surfaces to prevent dust and debris from escaping.
- C. The Contractor shall include his plan for construction enclosures and dust control in the work plan prepared under Section 01010.

#### **1.12 BARRIERS**

- A. Provide as required to prevent public entry to construction areas and to protect existing facilities and adjacent properties from damage from construction operations.
- B. Provide barriers to provide both separation and safety to adjacent building occupants. Maintain clear route to allow access of emergency vehicles to the facility and emergency entrances.
- C. Provide temporary Type K precast concrete railing adjacent to vehicle-traveled lanes where needed to separate either the public or Using Agency operations from the



construction site or haul route. Identify such areas in the work plan described in Section 01010.

### **1.13 BARRICADES, WARNINGS, AND MARKINGS**

- A. The Contractor shall furnish, erect, and maintain all barricades, warning signs and markings for hazards, as necessary to protect the public, pedestrians, Using Agency and employees from construction operations, and to protect the Work. All safeguards shall be constructed in conformance with local codes.
- B. For vehicular and pedestrian traffic, the Contractor shall furnish, erect, and maintain barricades, warning signs, lights and other traffic control devices in reasonable conformity with the Manual of Uniform Traffic Control Devices for Streets and Highways (published by the United States Government Printing Office), or as approved by the Engineer.

### **1.14 PROTECTION OF INSTALLED WORK**

- A. Provide temporary protection for installed products. Control traffic in immediate area to minimize damage.
- B. Provide protective coverings at walls, projections, jambs, sills, and soffits of openings. Protect finished floors and stairs from traffic, movement of heavy objects, and storage.
- C. Prohibit traffic and storage on waterproofed and roofed surfaces, and on lawn and landscaped areas.

### **1.15 SECURITY**

- A. Provide security program and facilities to protect Work, existing facilities, and Using Agency's operations from unauthorized entry, vandalism, and theft. Coordinate with Using Agency's security program.
- B. The Contractor shall be responsible for security of any area of the building turned over to the Contractor for his exclusive use. Security responsibility for areas that are particularly or fully occupied by the Using Agency will remain with the Using Agency.
- C. Contractor shall perform work in a manner that will not alter the integrity of the Using Agency's security system. When this is not possible, the Contractor will coordinate with the Department prior to disrupting the security system. Maintain the security of the perimeter fencing associated with the detention facility during construction operations.

### **1.16 WATER CONTROL**

- A. Protect the interior of facilities from water and/or moisture infiltration.

### **1.17 FENCING AND SECURITY**

- A. The Using Agency will not provide security of any kind and shall not be liable to anyone for, or for the lack of, security. Each subcontractor shall include in its bid the cost to provide, and shall provide, such fencing and security as may be necessary in addition to the requirements of this section.

### **1.18 MATERIALS STORAGE AND PROTECTION**

- A. An area will be assigned to the Contractor for materials storage in the closest possible proximity to each project site. Providing protection and security for the area is the responsibility of the Contractor. Any materials stored outside of the buildings being worked on under this contract will be kept in an agreed upon storage area. Materials stored in Using Agency-occupied facilities as directed by the Using Agency.

### **1.19 SITE AND OFF-SITE STORAGE**

- A. The Contractor shall include in its bid the cost to provide, and shall provide, such special security work for which he is contractually responsible, the allocation of job-site storage space for temporary job-site facilities, and the furnishing of off-site storage space, if sufficient job-site storage is not available.

## **1.20 OWNER ACCESS**

- A. Existing roads and parking areas shall be kept open at all times for the flow of traffic from existing facilities.

## **1.21 UTILITY LOCATES**

- A. Contractor shall be responsible for obtaining all utility locates. Contractor shall arrange with utility locate services for locating utilities such as telephone and communications, video cable, water, sewer, electric, fuel lines, etc. Hand dig within two feet of all utilities to avoid damaging existing facilities.

## **1.22 MARKING OF CONTRACTOR VEHICLES**

- A. All Contractor vehicles used on the job site shall be marked with Contractor's Name (as it appears on his business license) and telephone number. This may be a magnetic sign on the door, sign in window or other, providing it is visible and legible.

## **1.23 PARKING**

- A. The Contractor and his employees may park their vehicles in parking areas designated by the Using Agency. There will be no authorized parking in fire lanes and delivery lanes unless authorized by the Using Agency and then only for loading and unloading materials for and debris from the project. Provide and maintain access to fire hydrants and control valves free of obstructions.

## **1.24 PROTECTION OF EXISTING FACILITIES**

- A. The Contractor shall include in its bid the cost to provide, and shall provide, the locating and protecting of the existing facilities of the Using Agency, or any other public facilities whether or not such facilities be on the site of the work or in the public right-of-way.

## **1.25 PROTECTION OF EXISTING VEGETATION, STRUCTURES, UTILITIES, AND IMPROVEMENTS**

- A. The Contractor will preserve and protect all existing vegetation such as trees, shrubs, and grass on or adjacent to the site of work which is not to be removed and which does not unreasonably interfere with the construction work. Care will be taken in removing trees authorized for removal to avoid damage to vegetation to remain in place. Any lines or branches of trees broken during such operations or by the careless operation of equipment, or by workmen, shall be trimmed with a clean cut and painted with an approved tree pruning compound as directed by the Department.
- B. The Contractor will protect from damage all existing improvements or utilities at or near the site of the work, the location of which is made known to him, and will repair or restore any damage to such facilities resulting from failure to comply with the requirements of this contract or the failure to exercise reasonable care in the performance of the work. If the Contractor fails or refuses to repair any such damages promptly, the Department may have the necessary work performed and charge the cost thereof to the Contractor.

## **1.26 SALVAGE**

- A. All materials excavated and any other materials on the site at the time of award are the property of the Using Agency. The Contractor shall provide in its bid the cost to dispose of, and shall dispose of, salvage materials and/or materials which may be surplus to the requirements of the work, provided that the Using Agency, at its sole option, may direct that salvage and/or surplus materials shall be delivered to, unloaded, and stored at place of storage on the Using Agency's property. Such place of storage will be within one mile and a half of the project site.
- B. All items or materials removed from the project shall be made available for the Using Agency's inspection. The Using Agency retains the option to claim any item or material. The Contractor shall deliver any claimed item or material in good condition to the place designated by the Using Agency. All items not claimed become the property of the Contractor and shall be removed from the site by the Contractor.

- C. Salvage materials shall not include trash, lumber or concrete debris, or debris of any nature. Trash and debris shall be disposed of off-site in accordance with federal, state, and local statutes.

#### **1.27 TEMPORARY ENCLOSURE AND SPACE HEATING**

- A. The Contractor shall include in its bid the cost to provide, and shall provide, such temporary insulated weather-tight enclosures of the work and such space heating as may be required to protect the work from damage due to freezing temperatures, snow and rain, and to allow orderly coordinated progress of all work.

#### **1.28 ENVIRONMENTAL REQUIREMENTS**

- A. General. The Contractor shall include in its bid the cost of complying, and shall comply, and shall require each of its subcontractors to comply, with this section and also each local, state, and federal Environmental Law and Regulation.
- B. Provide methods, means, and facilities to prevent contamination of soil, water, and air from discharge of noxious, toxic substances and pollutants produced by construction operations.
- C. Dust Prevention. Should the site produce visible dust, the Contractor shall, when directed by the Department, forthwith, apply a palliative which prevents the dust from drifting or being wind-driven off the site.

#### **1.29 CONSTRUCTION CLEANING**

- A. In accordance with Part 3 of this specification.

#### **1.30 REMOVAL**

- A. Remove temporary utilities, materials, equipment, facilities, services, and construction prior to Substantial Completion inspection.
- B. Clean and repair damage caused by installation or use of temporary facilities.
- C. Restore existing facilities used during construction to specified, or to original condition. Restore permanent facilities used during construction to specified condition.

### **PART 2 PRODUCTS**

**Not Used**

### **PART 3 EXECUTION**

#### **3.01 WASTE STORAGE EQUIPMENT**

- A. Provide covered containers for collection of waste materials, debris, and rubbish; and for the transportation of same from point of generation to point of disposal. Containers shall be adequately secured to prevent release of waste materials.

#### **3.02 CLEANING OF THE PROJECT AREA**

- A. Control accumulation of waste materials and rubbish. Maintain areas under Contractor's control free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.
- B. Clean periodically to keep the Work, the site, and adjacent properties free from accumulations of waste materials, rubbish, and wind-blown debris resulting from construction operations.
- C. Remove debris, rubbish, and combustible material from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to closing the space.

- D. Immediately clean interior areas after completion of work to provide suitable conditions for building occupants. All occupied areas and areas used by the general public require cleanup at the end of each shift.
- E. Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning on an as needed basis.
- F. Control cleaning operations so that dust and other contaminants will not adhere to wet or newly-coated surfaces.
- G. Maintain manpower and equipment, including dust mops, wet mops, brooms, buckets, and clean wiping rags for cleaning fine dust from floors in adjacent occupied areas.

### **3.03 DISPOSAL**

- A. Promptly remove waste materials, debris, and rubbish from the site periodically and dispose of off the site in accordance with all federal, state and local regulations.
- B. Tightly covered containers shall be used to remove debris from the facility through all occupied areas to minimize dust and contamination from demolition materials. Facility waste containers and dumpsters shall not be used by the Contractor.
- C. Open free-fall chutes are not permitted. Terminate closed chutes into appropriate containers with lids. If conditions dictate, chute and containers shall be sprayed with water to maintain dust control. Chute opening shall be closed when not in use.

**END OF SECTION**

## **SECTION 01540**

### **SECURITY**

#### **PART 1 GENERAL**

##### **1.01 SECTION INCLUDES**

- A. Security Check and Orientation
- B. DOC Project Coordinator
- C. Personnel Access
- D. Vehicle Access
- E. Tool Control
- F. Contraband
- G. Cell Phones / Cameras

##### **1.02 SUMMARY**

- A. This document outlines security provisions that the Contractor and its Subcontractors shall follow. The facility is a correctional institution and the performance of the Work could impact the operations of the facility. The Contractor must understand and shall comply with Department of Corrections (DOC) security requirements.
- B. The intent of this section is to prevent any escape, sabotage or assault attempt; any disturbance; or the importation of contraband.

##### **1.03 RELATED REQUIREMENTS**

- A. Section 01010 – Summary of Work
- B. Section 01300 – Submittals
- C. Section 01500 – Construction Facilities and Temporary Controls

##### **1.04 SUBMITTALS**

- A. Submit list of Contractor's and Subcontractor's personnel and a completed Request for Clearance form for each individual to the facility security officer.
- B. Submit Using Agency's Daily Log Sheet at the end of each shift or day.

#### **PART 2 PRODUCTS**

Not Used

## **PART 3 EXECUTION**

### **3.01 SECURITY CHECK AND ORIENTATION**

- A. All personnel (Contractor and Subcontractor) working at the site will be required to undergo a security check before performing any work on the project. The Using Agency will provide a mandatory security briefing for all persons before commencement of on-site work.
- B. Submit the following data on a Request for Clearance form to the DOC Project Coordinator for each individual at least 72 hours before that individual is scheduled to commence work on the site:
  - Full name
  - Residence address
  - Telephone Number
  - Date of birth
  - Social Security Number
  - Valid driver's license and State of issue, or other photo identification
- C. The security check will screen (nationally) for recent or frequent past convictions or for outstanding warrants. The DOC reserves the right to disqualify anyone from access to the work site. A past conviction will not automatically disqualify.

### **3.02 DEPARTMENT OF CORRECTIONS PROJECT COORDINATOR**

- A. DOC will designate an on-site project coordinator to be the liaison between the Contractor and the facility staff.
- B. In the event of an emergency affecting the secure operation of the facility, the Project Coordinator is authorized to direct the Contractor to take appropriate action. The directions of the Project Coordinator shall be followed immediately.
- C. The Project Coordinator shall be briefed each week by the Contractor regarding the Contractor's work requirements and weekly work plan for the subsequent week. This briefing may be performed concurrently with the progress meetings that may be required under the Contract.

### **3.03 PERSONNEL ACCESS**

- A. Access to the worksite within a correctional facility will be monitored and controlled by the Department of Corrections in order to prevent importation of contraband and escape of inmates.
- B. Contractor personnel shall report as a group to the entrance control at the beginning of each shift to obtain their identification or visitor badges, and sign in on the Contractor's log. At the end of each shift, workers shall return their badges and sign out on the Contractor's log. If workers leave the facility at lunch, they shall turn in their badges and leave as a group. Contractor should encourage workers to bring lunch and eat in the facility.
- C. Contractor employees may be denied access or be removed from the facility for the following reasons:
  - Possession of firearms or deadly weapons

Workers that are incompetent, careless or otherwise detrimental to the work or the security of the facility

Security requirements

Disruptive, abrasive, and/or argumentative conduct

Being under the influence of alcohol, drugs and/or any substance that is considered contraband by the Facility, including use of tobacco products

Refusal to submit to search of personal property, belongings, or themselves

Health problems

Failure to show proper identification

Failure to follow the direction of Correctional Officers and/or staff members

Having any contact or interaction with inmates

Failure to pass security check

Failure to secure tools and work areas. Contractor shall provide personnel to secure his work area and tools. A member of the Contractor's staff shall be in the active work area. If no Contractor personnel are physically present in the work area, the work area and/or tools shall be secured.

#### **3.04 VEHICLE ACCESS**

- A. No privately owned vehicles may enter inside the security fence without approval of the facility on-site Security Officer. Employee vehicles can be parked in the employee/visitor parking lot outside the security fence, and must be locked at all times. No firearms or deadly weapons are allowed inside vehicles on the facility grounds.
- B. Authorized work vehicles, i.e., job site trailers and trucks, may be left inside the fence if they can be secured, in a location approved by the facility Security Officer.

#### **3.05 TOOL CONTROL**

- A. Do not leave prisoner-accessible work areas unattended without first removing or securing all tools and objects that would be considered contraband.
- B. At the end of each work day, remove all tools and equipment from inmate-accessible work areas and store within locked cabinets, locked containers, or locked storage trailers.
- C. Maintain written daily inventory of tools and equipment. Tools and equipment that cannot be accounted for shall be reported immediately to the Project Coordinator or the Security Officer.

#### **3.06 CONTRABAND**

- A. The mailing, bartering, introducing, exchanging or buying of items between inmates and contractors or their employees is strictly prohibited without the written consent of the Superintendent of the Institution.

#### **3.07 CELL PHONES / CAMERAS**

- A. No cell phones, cameras or taking of pictures are allowed inside the secure perimeter. The Contractor's on-site superintendent may have a cell phone if no other phones are available in the facility. If necessary, pictures specifically of the work area may be permitted under the direct observation and supervision of the facility Security Sergeant. No photographs shall be taken on facility grounds, either inside or outside the secure perimeter.

The following reference is from the Alaska Statutes and is provided for the Contractor's information:

**Title 11 – Alaska Statutes**

Section 11.56.375, Promoting contraband in the first degree:

1. A person commits the crime of promoting contraband in the first degree if the person violates AS 11.56.380 and the contraband is:
  - a) a deadly weapon;
  - b) an article that is intended by the defendant to be used as a means of facilitating an escape; or
  - c) a controlled substance.
2. Promoting contraband in the first degree is a class C felony.

Section 11.56.380, Promoting contraband in the second degree:

1. A person commits the crime of promoting contraband in the second degree if the person:
  - a) introduces, takes, conveys, or attempts to introduce, take, or convey contraband into a correctional facility; or
  - b) makes, obtains, possesses, or attempts to make, obtain, or possess anything that person knows to be contraband while under official detention within a correctional facility.
2. Promoting contraband in the second degree is a class A misdemeanor.
  - a) contraband includes tobacco products.

Section 11.56.390, definition:

“Contraband” means any article or thing which persons confined in a correctional facility are prohibited by law from obtaining, making, or possessing in that correction facility.

**END OF SECTION**



## SECTION 01600

### MATERIAL AND EQUIPMENT

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Products.
- B. Transportation, Handling, Storage and Protection.
- C. Product List and Options.
- D. Substitutions.

##### 1.2 RELATED REQUIREMENTS

- A. Bidding and Contract Requirement 00020 - Invitation for Bids: Times for submittal of requests for substitutions during the Bidding period.
- B. Bidding and Contract Requirement Section 00700 - General Conditions:
  - 1. Article 6 – Contractor’s Responsibilities (Substitutions, Evaluating Substitutions, Shop Drawings and Samples).
  - 2. Article 7.12 – Applicable Alaska Preferences.
  - 3. Article 9 – Changes.
  - 4. Article 9.10 – Interim Work Authorization.
- C. Section 01010 - Summary of Work. Coordination.
- D. Section 01300 - Submittals: Submittal Procedures.
- E. Section 01400 - Quality Control: Product Quality Monitoring and Manufacturers' Certificates.
- F. Section 01700 – Contract Closeout: Closeout Procedures, Operation and Maintenance Data, Warranties and Bonds, Spare Parts and Maintenance Materials.

##### 1.3 SUBMITTALS

- A. Submit under transmittal letter specified in Section 01300 Submittals.
- B. Submit a List of Products.
- C. Submit on Substitution Request Forms (BLDG-Form 10). Use this for substitutions for any manufacturer not specifically named that meets the product description specifications.
- D. Submit proposed Substitute Means and Methods.

##### 1.4 PRODUCTS

- A. Products include material, equipment, and systems.
- B. Comply with Specifications and referenced standards as minimum requirements.
- C. Supply the same or interchangeable components in quantity within an Individual Specification Section.
- D. Do not use materials and equipment removed from existing structure, except as specifically required, or allowed, by Contract Documents.

##### 1.5 TRANSPORTATION AND HANDLING

- A. Transport and handle Products according to manufacturer's instructions and Material Safety Data Sheets per Section 01300 Submittals and Section 01400 Quality Control. Use methods to avoid product damage. Deliver in undamaged condition in manufacturer's unopened containers or

packaging, and dry.

- B. Provide equipment and personnel to handle products by methods to prevent soiling or damage.
- C. Immediately on delivery, inspect shipment to ensure:
  - 1. Product complies with requirements of Contract Documents and reviewed submittals.
  - 2. Quantities are correct.
  - 3. Accessories and installation hardware are correct.
  - 4. Containers and packages are intact and labels legible.
  - 5. Products are protected and undamaged.

#### **1.6 STORAGE AND PROTECTION**

- A. Provide Material Safety Data Sheets (MSDS) for all products available at the site per Section 01300 Submittals and Section 01400 Quality Control.
- B. Store and protect Products in accordance with manufacturer's instructions and MSDS, with seals and labels intact and legible. Store sensitive products in weather-tight enclosures; maintain within temperature and humidity ranges required by manufacturer's instructions. Provide adequate venting if needed.
- C. Arrange storage to provide access for inspection. Periodically inspect to ensure products are undamaged, and are maintained under required conditions.

#### **1.7 PRODUCT OPTIONS**

- A. Products Specified by Reference Standards or by Description Only: Use any product meeting those standards.
- B. Products Specified by Naming One or More Manufacturers with a Provision for Substitutions by meeting product description: Submit a request for substitution for any manufacturer not specifically named that meets the product description specifications per Paragraph REQUEST FOR SUBSTITUTIONS.
- C. Products Specified by Naming One or More Manufacturers followed by the term "No Substitutions": Use only specified manufacturers, no substitutions allowed.

#### **1.8 PRODUCTS LIST**

- A. Within 7 days after date of Notice to Proceed, submit four copies of a list of products, which are proposed for installation, including name of manufacturer.
- B. Tabulate products by Individual Specification Section number, title, and Article number.
- C. For products specified only by reference standards, give manufacturer, trade name, model or catalog designation, and reference standards.
- D. DEPARTMENT will reply in writing within five days stating whether there is reasonable objection to listed items. Failure to object to a listed item shall not constitute a waiver of requirements of Contract Documents.

#### **1.9 SUBSTITUTIONS**

- A. SUBSTITUTION SUBMITTAL PERIOD:
  - 1. There may be Products listed as "no Substitutions Allowed." The DEPARTMENT will not allow the Contractor to submit a substitution.
  - 2. All other product substitution requests will be considered only within 30 days after date established in Notice to Proceed. Subsequent requests will be considered only in case of product unavailability or other conditions beyond control of CONTRACTOR.
- B. LIMITATIONS ON SUBSTITUTIONS:

1. **Only one request for substitution will be considered for each product** from each Prime Bidder/CONTRACTOR. When substitution is not accepted, Prime Bidder/CONTRACTOR shall provide specified product.
2. Substitutions will not be considered when indicated on Shop Drawings or product data submittals.
3. Substitute products shall not be ordered or installed without written acceptance.
4. DEPARTMENT will determine acceptability of substitutions according to the information supplied by the CONTRACTOR under Bidding and Contract Requirement Section 00700 General Conditions, Article 6.9.

C. REQUESTS FOR SUBSTITUTIONS:

1. Bidding and Contract Requirement Section 00700 - General Conditions, Article 6.9.
2. Submit on Substitution Request Form (BLDG-Form 10).
3. Submit separate request for each substitution. Document each request with complete data substantiating compliance of proposed substitution with requirements of Contract Documents.
4. Identify product by Individual Specification Section and Article numbers. Provide manufacturer's name and address, trade name of product, and model or catalog number. List fabricators and Suppliers as appropriate.
5. Attach product data as specified in Section 01300 Submittals.
6. List similar projects using product, dates of installation, and names of design Consultant(s) and owner.
7. Give itemized comparison of proposed substitution with specified product, listing variations, and reference to Individual Specification Sections and Article numbers.
8. Give quality and performance comparison between proposed substitution and the specified product.
9. Give cost data comparing proposed substitution with specified product, and amount of net change to Contract Price.
10. List availability of maintenance services and replacement materials.
11. State effect of substitution on construction schedule, and changes required in other Work or products.

D. CONTRACTOR REPRESENTATION:

1. Request for substitution constitutes a representation that CONTRACTOR has investigated proposed product and has determined that it is equal to or superior in all respects to specified product.
2. CONTRACTOR will provide same warranty for substitution as for specified product.
3. CONTRACTOR will coordinate installation of accepted substitute, making such changes as may be required for Work to be complete in all respects.
4. CONTRACTOR certifies that cost data presented is complete and includes all related costs under this Contract.
5. CONTRACTOR waives claims for additional costs related to substitution that may later become apparent.

E. SUBMITTAL PROCEDURES:

1. Submit one original and four copies of complete request for Substitution Request Form (BLDG-Form 10).

2. Request to include complete product information and data, color swatch board, and certification that proposed product meets or exceeds all requirements for the specified product.
3. DEPARTMENT will review CONTRACTOR'S requests for substitutions within 14 days of receipt.
4. After receipt of submittal, DEPARTMENT will notify CONTRACTOR, in writing, of decision to accept or reject requested substitution within 14 days.
5. For accepted products, submit Shop Drawings, product data, and samples under provisions of Section 01300 Submittals.

**1.10 SUBSTITUTE MEANS AND METHODS**

- A. The CONTRACTOR may propose alternative means and methods to perform the Work. Submit substitute means and methods according to Section 00700 General Conditions Article 6.10 Substitute Means and Methods.
- B. Submit one original and four copies of complete request for Substitution Request Form (BLDG-Form 10).
- C. Request to include sufficient information to allow the DEPARTMENT to determine that the substitute means and methods proposed is equivalent to that indicated or required by the Contract Documents.
- D. DEPARTMENT will review CONTRACTOR'S requests for substitutions within 14 days of receipt.
- E. After receipt of submittal, DEPARTMENT will notify CONTRACTOR, in writing, of decision to accept or reject requested substitution within 14 days.


**PART 2 PRODUCTS**

Not Used

**PART 3 EXECUTION**

Not Used

**END OF SECTION 01600**

<b>STATE OF ALASKA DOT &amp; PF STATEWIDE PUBLIC FACILITIES</b>	<b>SUBSTITUTION REQUEST FORM</b>	
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Project: GCCC Nitrogen Generators Project No. 170009903

Contractor: \_\_\_\_\_

Specified item for which substitution is requested (reference the specification section and paragraph):

The following product is submitted for substitution (describe proposed substitution and attach applicable catalog cuts):

I certify the following:

- |                          |                          |  |
|--------------------------|--------------------------|--|
| Yes                      | No                       |  |
| <input type="checkbox"/> | <input type="checkbox"/> | The substitute will perform adequately and achieve the results called for by the general design.   |
| <input type="checkbox"/> | <input type="checkbox"/> | The substitute is similar, of equal substance, suited to the same use, and will provide the same warranty as the product specified.      |
| <input type="checkbox"/> | <input type="checkbox"/> | The evaluation and approval of the proposed substitute will not delay the Substantial or Final Completion of the project.                |
| <input type="checkbox"/> | <input type="checkbox"/> | Any change in the design necessitated by the proposed substitution will not delay the Substantial or Final Completion of the project.    |
| <input type="checkbox"/> | <input type="checkbox"/> | The cost of any change in the design necessitated by the proposed substitution will be paid by the contractor at no cost to the State.   |
| <input type="checkbox"/> | <input type="checkbox"/> | The cost of any license fee or royalty necessitated by the proposed substitution will be paid by the contractor at no cost to the State. |

Signed: \_\_\_\_\_ Date: \_\_\_\_\_  
Authorized Contractor Signature

Architect/Engineer Recommendation:

- Accepted       Accepted as Noted       Not Accepted       Received Too Late

Remarks:

Architect/Engineer Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Recommend Acceptance  
 Recommend Rejection \_\_\_\_\_ Date: \_\_\_\_\_  
Resident Engineer

Accepted  
 Rejected \_\_\_\_\_ Date: \_\_\_\_\_  
Project Manager

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**SECTION 01700**  
**CONTRACT CLOSEOUT**

**PART 1 GENERAL**

**1.01 REQUIREMENTS INCLUDED**

- A. Closeout Procedures
- B. Final Cleaning
- C. Project Record Documents
- D. Operation and Maintenance Data
- E. Warranties
- F. Spare Parts and Maintenance Materials

**1.02 RELATED REQUIREMENTS**

- A. Section 00700 - General Conditions: Fiscal provisions, legal submittals, and other administrative requirements.
- B. Section 01010 - Summary of Work: Using Agency occupancy.
- C. Section 01400 – Quality Control: Departmental Inspection Services.
- D. Section 01500 - Construction Facilities and Temporary Controls: Cleaning during construction.
- E. Section 01730 – Operation and Maintenance Data
- F. Section 01740 – Warranties and Bonds

**1.03 CONTRACT CLOSEOUT PROCEDURES**

- A. SUBSTANTIAL COMPLETION
  - 1. Submit the following prior to requesting a Substantial Completion inspection:
    - a. Evidence of Compliance with Requirements of Governing Authorities:
      - 1) Certificate of Occupancy.
      - 2) Required Certificates of Inspection.
    - b. Project Record Documents in accordance with Section 01720
    - c. Operation and Maintenance Data in accordance with Section 01730
    - d. Warranties and Bonds in accordance with Section 01740
    - e. Spare Parts and Maintenance Materials in accordance with Section 01700-1.08
  - 2. Substantial Completion shall be considered by the Department when:
    - a. Written notice is provided 10 days in advance of inspection date.
    - b. List of items to be completed or corrected is submitted.
    - c. Operation and Maintenance Manuals are submitted and approved by the Department.
    - d. Equipment and systems have been tested, adjusted, balanced and are fully operational.
    - e. Automated and manual controls are fully operational.
    - f. Operation of system has been demonstrated to Department personnel.

- g. Certificate of Occupancy is submitted.
  - h. Certificates of Inspection for required inspections have been submitted.
  - i. Project Record Documents for the Work or the portion of the Work being accepted are submitted and approved.
  - j. Spare parts and maintenance materials are turned over to the Department.
  - k. All keys are turned over to the Department.
3. Should Department inspection find Work is not substantially complete, the Department will promptly notify Contractor in writing, listing observed deficiencies.
  4. The Contractor shall remedy deficiencies and send a second written notice of Substantial Completion.
  5. When the Department finds Work is substantially complete, the Department will prepare a Certificate of Substantial Completion in accordance with provisions of General Conditions.
  6. Using Agency will occupy existing facilities for the conduct of business, under provisions stated in Certificate of Substantial Completion
- B. FINAL COMPLETION
1. When Contractor considers Work is complete, submit written certification that:
    - a. Contract Documents have been reviewed.
    - b. Work has been inspected for compliance with Contract Documents.
    - c. Work has been completed in accordance with Contract Documents, and deficiencies listed with Certificate of Substantial Completion have been corrected.
    - d. Work is complete and ready for final inspection.
  2. Should the Department inspection find Work incomplete, Department will promptly notify Contractor in writing listing observed deficiencies.
  3. Contractor shall remedy deficiencies and send a second certification of Final Completion.
  4. When Department finds Work is complete, Department will consider closeout submittals.
- C. REINSPECTION FEES
1. Should status of completion of Work require more than one reinspection by the Department due to failure of Work to comply with Contractor's responsibility, the Department will deduct the cost of reinspection from final payment to Contractor as provided in the Contract Documents.
  2. Reinspection fees shall not exceed \$5,000 for any one reinspection.
- D. CLOSEOUT SUBMITTALS
1. Warranties and Bonds in accordance with Section 01740 Warranties and Bonds.
  2. Evidence of Payment in accordance with Conditions of the Contract.
  3. Consent of Surety to Final Payment.
  4. Certificates of Insurance for Products and Completed Operations in accordance with Supplementary Conditions.
  5. Certificate of Release.
- E. APPLICATION FOR FINAL PAYMENT
1. Submit application for final payment in accordance with provisions of the General Conditions of the Contract.



2. Department will issue a final Change Order reflecting all remaining adjustments to Contract Price not previously made by Change Orders.
3. The full amount of the Schedule of Values line item labeled "Contract Closeout" will be withheld as a portion of the final payment.
4. Final payment will not be executed until the Department has fully reviewed the Project records and found them to be in compliance with the Contract Documents.

#### **1.04 FINAL CLEANING**

- A. Execute final cleaning prior to Substantial Completion inspection.
- B. Remove grease, adhesives, dust, dirt, fingerprints, temporary labels, stains, and other foreign substances from interior and exterior surfaces exposed to view; polish transparent and glossy surfaces; vacuum carpeted and soft surfaces. Clean equipment and fixtures to a sanitary condition, clean or replace filters of mechanical equipment. Clean roofs, gutters, downspouts, and drainage systems.
- C. Clean site; sweep paved areas, rake clean other surfaces.
- D. Use cleaning materials which will not create hazards to health or property, and which will not damage surfaces. Follow manufacturer's recommendations.
- E. Maintain cleaning until the Department issues certificate of Substantial Completion.
- F. Remove waste, debris, and surplus materials from the site. Clean grounds; remove stains, spills, and foreign substances from paved areas and sweep clean. Rake clean other exterior surfaces.

#### **1.05 PROJECT RECORD DOCUMENTS**

- A. In accordance with Section 01720 Project Record Documents

#### **1.06 OPERATION AND MAINTENANCE INSTRUCTIONS**

- A. In accordance with Section 01730 Operation and Maintenance Data.

#### **1.07 WARRANTIES**

- A. In accordance with Section 01740 Warranties and Bonds.

#### **1.08 SPARE PARTS AND MAINTENANCE MATERIALS**

- A. Provide products, spare parts, maintenance and extra materials in quantities specified in individual Specification Sections.
- B. Deliver to project site and place in location as directed, obtain receipt prior to final payment.

#### **PART 2 PRODUCTS**

Not Used

#### **PART 3 EXECUTION**

Not Used

**END OF SECTION**

## SECTION 01720

### PROJECT RECORD DOCUMENTS

#### PART 1 -GENERAL

##### 1.1 REQUIREMENTS INCLUDED

- A. Maintenance of Record Documents.
- B. Submittal of Record Documents.

##### 1.2 RELATED REQUIREMENTS

- A. Document 00700 - General Conditions.
- B. Section 01300 - Submittals: Shop drawings, product data.
- C. Section 01700 - Contract Closeout Procedures.
- D.

##### 1.3 MAINTENANCE OF DOCUMENTS AND SAMPLES

- A. In addition to requirements in General Conditions, maintain at the site for the Project Manager one record copy of:
  - 1. Contract Drawings.
  - 2. Specifications.
  - 3. Addenda.
  - 4. Change Orders and other modifications to the Contract.
  - 5. Reviewed shop drawings, product data, and samples.
  - 6. Field test records.
  - 7. Inspection certificates.
  - 8. Manufacturer's certificates.
- B. Prior to Substantial Completion, provide original or legible copies of each item maintained by the Contractor as listed in Section 01720, 1.3A above.
- C. Delegate responsibility for maintenance of Record Documents to one person on the Contractor's staff as approved in advance by the Project Manager.
- D. Promptly following award of contract, secure from Project Manager, at no charge to Contractor, one complete set of all documents comprising the Contract.
- E. Immediately upon receipt of job set, described above, stamp each document with title "RECORD DOCUMENTS -JOB SET."
- F. Store Record Documents apart from documents used for construction. Provide secure storage for Record Documents.

G. Label and file Record Documents in accordance with Section number listings in Table of Contents of this Project Manual. Label each document "PROJECT RECORD" in neat, large, printed letters.

H. Maintain Record Documents in a clean, dry and legible condition. Do not use Record Documents for construction purposes.

I. Use all means necessary to maintain job set of Record Documents completely protected from deterioration and from loss and damage until completion of Work and transfer of recorded data to Project Manager.

J. Keep Record Documents and samples available for inspection by Project Manager.

K. Project Manager's approval of current status of Record Documents will be prerequisite to Project Manager's approval of and request for final payment.

1. Prior to submitting request for final payment, submit final Record Documents to Project Manager and secure his approval.

L. Do not use job set for any purpose except entry of new data and for review and copying by Project Manager.

#### **1.4 RECORDING**

A. Record information on a set of black line or opaque Drawings, and in a copy of a Project Manual, provided by Project Manager.

B. Using colored felt tip marking pens or colored pencil, maintaining separate colors for each major system, clearly describe changes by note and by graphic line, as required. Date all entries. Call attention to entry by a "cloud" around area or areas affected.

C. Thoroughly coordinate all changes within Record Documents, making adequate and proper entries on each Specification Section and each sheet of Drawings and other Documents where such entry is required to properly show change or selection. Accuracy of records shall be such that future search for items shown in Contract Documents may reasonably rely on information obtained from approved Record Documents.

D. Record all entries within 24 hours of receipt of information and concurrently with construction progress. Do not conceal any Work until required information is recorded.

E. Contract Drawings and Shop Drawings: Legibly mark each item to record actual construction, including:

1. Use all means necessary, including proper tools for measurement, to determine actual location of installed items.

2. Field changes of dimension and detail.

3. Changes made by Modifications.

4. Details not on original Contract Drawings.

5. References to related shop drawings and Modifications.

6. Where changes are caused by Contractor-originated proposals approved by Project Manager, including inadvertent errors by Contractor which have been accepted by Project Manager, clearly indicate change by note.

7. Show on job set Record Drawings, by dimension accurate within one inch (1"), centerline of each run of items described in sub-paragraphs 3 and 4 above. Identify item by accurate note such as "Intercom Control Unit", etc. Show by symbol or note, vertical location of item (in ceiling plenum", "exposed", etc.). Make all identification sufficiently descriptive that it may be related reliably to Specifications.

F. Specifications: Legibly mark each item to record actual construction, including:

1. Manufacturer, trade name, and catalog number of each product actually installed, particularly optional items and substitute items.

2. Changes made by Addenda and Modifications.

### **1.5 SUBMITTALS**

A. Upon submittal of completed total set of Record Documents to Project Manager, participate in review meeting(s) as required by Project Manager, make required changes in Record Documents, and promptly deliver final Record documents to Project Manager and samples under provisions of Section 01701.

B. Transmit with cover letter in duplicate, listing:

1. Date.

2. Project title and number.

3. Contractor's name, address, and telephone number.

4. Number and title of each Record Document.

5. Signature of Contractor or authorized representative.

**PART 2 - PRODUCTS - Not Used.**

**PART 3 - EXECUTION - Not Used.**

**END OF SECTION**

**SECTION 01730  
OPERATION AND MAINTENANCE DATA**

**PART 1 - GENERAL**

**1.1 REQUIREMENTS INCLUDED**

- A. Format and content of manuals.
- B. Instruction of Department personnel.
- C. Schedule of submittals.

**1.2 RELATED REQUIREMENTS**

- A. Section 01300 - Submittals: Submittals procedures.
- B. Section 01300 - Submittals: Shop drawings, product data, and samples.
- C. Section 01700 - Contract Closeout Procedures.
- D. Section 01720 - Project Record Documents.
- E. Section 01740 - Warranties and Bonds.
- F. Individual Specifications Sections: Specific requirements for operation and maintenance data.

**1.3 QUALITY ASSURANCE**

- A. Prepare instructions and data by personnel experienced in maintenance and operation of described products.

**1.4 FORMAT**

- A. Prepare data in the form of an instructional manual.
- B. Binders: Commercial quality, 8-1/2 x three-ring binders with hardback, cleanable, plastic covers; one inch maximum ring size. If multiple binders are used correlate data into related consistent groupings.
- C. Cover: Identify each binder with typed or printed title OPERATION AND MAINTENANCE INSTRUCTIONS; list title of Project; identify subject matter of contents.
- D. Arrange content by systems, under section numbers and sequence of Table of Contents of this Project Manual.
- E. Provide tabbed fly leaf for each separate product and system, with typed description of product and major component parts of equipment.
- F. Text: Manufacturer's printed data, or typewritten data on 20 pound paper.
- G. Drawings: Provide with reinforced punched binder tab. Bind in with text; fold larger drawings to size of text pages.

## **1.5 CONTENTS, EACH VOLUME**

- A. Table of Contents: Provide DEPARTMENT's Project title; DEPARTMENT's Project number; names, addresses, and telephone numbers of Consultant(s) and Contractor with name of responsible parties; schedule of products and systems, indexed to content of the volume.
- B. For Each Product or System: List names, addresses and telephone numbers of subcontractors and suppliers, including local source of supplies and replacement parts.
- C. Product Data: Mark each sheet to clearly identify specific products and component parts, and data applicable to installation; delete inapplicable information.
- D. Drawings: Supplement product data to illustrate relations of component parts of equipment and systems, to show control diagrams. Do not use Project Record Documents as maintenance drawings.
- E. Typed Text: As required to supplement product data. Provide logical sequence of instructions for each procedure, incorporating manufacturer's instructions.
- F. Warranties and Bonds: Bind in copy of each.

## **1.6 MANUAL FOR EQUIPMENT AND SYSTEMS**

- A. Each Item of Equipment and Each System: Include description of unit or system, and component parts. Give function, normal operating characteristics, and limiting conditions. Include performance curves, with engineering data and tests, and complete nomenclature and commercial number of replaceable parts.
- B. Include as-installed color coded wiring diagrams.
- C. Operating Procedures: Include start-up and routine normal operating instructions and sequences. Include control, shut-down, and emergency instructions. Include any special operating instructions.
- D. Maintenance Requirements: Include routine procedures and guide for trouble-shooting; disassembly, repair, and reassembly instructions; and alignment, adjusting, balancing, and checking instructions.
- E. Provide servicing schedule.
- F. Include manufacturer's printed operation and maintenance instructions.
- G. Provide original manufacturer's parts list, illustrations, assembly drawings, and diagrams required for maintenance.
- H. Provide list of original manufacturer's spare parts, current prices, and recommended quantities to be maintained in storage.
- I. Additional Requirements: As specified in individual Specifications sections.

## **1.7 INSTRUCTION OF OWNER PERSONNEL**

- A. Before final inspection, instruct DEPARTMENT designated personnel in operation, adjustment, and maintenance of products, equipment, and systems, at agreed upon times.
- B. Use operation and maintenance manuals as basis of instruction. Review contents of manual with personnel in detail to explain all aspects of operation and maintenance.
- C. Prepare and insert additional data in Operation and Maintenance Manual when needed for such data becomes apparent during instruction.

## **1.8 SUBMITTALS**

- A. Submit two copies of preliminary draft or proposed formats and outlines of contents before start of Work. DEPARTMENT will review draft and return one copy with comments.
- B. For equipment, or component parts of equipment put into service during construction and operated by DEPARTMENT, submit documents within ten days after acceptance.
- C. Submit one copy of completed volumes in final form 15 days prior to final inspection. Copy will be returned after final inspection, with DEPARTMENT comments. Revise content of documents as required prior to final submittal.
- D. Submit two copies of revised volumes of data in final form within ten days after final inspection.

**PART 2 - PRODUCTS - Not Used.**

**PART 3 - EXECUTION - Not Used.**

**END OF SECTION**

## **SECTION 01731 CUTTING AND PATCHING**

### **PART 1 GENERAL**

#### **1.01 REQUIREMENTS INCLUDED**

- A. Requirements and limitations for cutting and patching of Work.

#### **1.02 RELATED REQUIREMENTS**

- A. Section 01010 - Summary of Work.

#### **1.03 SUBMITTALS**

- A. Submit written request in advance of cutting or alteration which affects:
  - 1. Structural integrity of any element of Project.
  - 2. Integrity of weather-exposed or moisture-resistant elements such as siding or roof systems.
  - 3. Efficiency, maintenance, or safety of any operational element.
  - 4. Visual qualities of sight-exposed elements.
  - 5. Work of Department or separate Contractor.
- B. Include in request:
  - 1. Identification of Project and Department's project number.
  - 2. Location and description, with photos of affected Work.
  - 3. Necessity for cutting or alteration.
  - 4. Description of proposed Work, and products proposed to be used.
  - 5. Alternatives to cutting and patching.
  - 6. Effect on Work of Department or separate Contractor.
  - 7. Written permission of affected separate Contractor.
  - 8. Date and time Work will be executed.
- C. Submit product data for replacement materials to be used in the work, including product description, specifications, recommended installation methods, and samples. Submittals shall cover all sight-exposed elements applicable, such as roofing, exterior siding, floor tile, ceiling tile, and wall covering.

### **PART 2 PRODUCTS**

#### **2.01 MATERIALS**

- A. Materials used for replacement shall match existing materials removed. Interior or exterior finish materials shall visually match surrounding surface finishes. Replacement interior finish materials, such as floor tile, wall tile, ceiling tile, or wall covering shall be of the same manufacturer and pattern as materials removed to assure compatibility. New doors and frames are to be finished to match existing. Submittals are to be approved prior to installation.



- B. Replacement gypsum wallboard surfaces are to be finished smooth or in a texture to match the existing wall or ceiling finish or Finish Schedule in drawings as required. Paint new exposed surfaces with two coats semi-gloss acrylic latex enamel in a color to match existing. New paint shall cover the entire plane of the area impacted and shall extend to the nearest joint or corner.
- C. Cut and patch work at roof assemblies shall provide a complete weather tight installation and shall be compatible with existing roofing materials. Contractor to verify manufacturer, materials, and warranty of the existing roofing system and ensure work does not have a negative impact on the performance of the existing roof membrane or existing drainage pattern. Cut and patch work shall not have a negative impact on any active warranty of the existing roofing system.
- D. For replacement of work removed, comply with specifications for type of work to be done, manufacturers' recommendations, and good construction practice.
- E. Provide materials for cutting and patching which will result in equal to or better than the work being cut and patched in terms of performance characteristics and visual effect where applicable.

### **PART 3 EXECUTION**

#### **3.01 GENERAL**

- A. Contractor shall be responsible for all cutting, fitting, and patching required to complete the work or to:
  - 1. Accommodate the installation or coordination of work.
  - 2. Remove and replace defective work.
  - 3. Remove and replace work not conforming to requirements of the Contract Documents.
  - 4. Uncover other work for access or inspection.
  - 5. Obtain samples for testing or similar purposes.
  - 6. Provide routine penetrations of nonstructural surfaces for installation of piping, ductwork, chimneys, vents, louvers, electrical conduit or other equipment included in the work.
- B. Contractor shall not cut or alter any existing structural members without the approval of the Department. If structural members must be cut or altered, the Contractor shall provide engineered details with structural engineer's stamp for review in the submittal process.
- C. Execute cutting, fitting, and patching to complete Work, and to:
  - 1. Fit the several parts together, to integrate with other work.
  - 2. Uncover work to install ill-timed work.
  - 3. Remove and replace non-conforming and Defective Work.
  - 4. Remove samples of installed Work for testing.
  - 5. Provide openings in elements of Work for penetrations of mechanical and electrical work.
- D. Installation of replacement materials shall be in accordance with specifications for type of work to be done, manufacturers' recommendations, and good construction practice.

#### **3.02 INSPECTION**

- A. Inspect existing conditions, including elements subject to damage or movement during cutting and patching.
  - 1. Notify the Department immediately of any suspected hazardous materials.

- B. Do not cut and patch work which is exposed to view in a manner resulting in a reduction of visual qualities or resulting in substantial evidence of the cut and patch work. Remove and replace work judged by the Department to be visually unsatisfactory.
- C. After uncovering, inspect conditions affecting performance of Work.
- D. Beginning of cutting or patching means acceptance of existing conditions.

### **3.03 PREPARATION**

- A. Clean adjacent structures and improvements of dust, dirt, and debris caused by cutting and patching operations, as directed. Return adjacent areas to condition existing prior to start of work.
- B. Provide supports to ensure structural integrity of surroundings; devices and methods to protect other portions of Project from damage.
- C. Provide protection from elements for areas which may be exposed by uncovering work; maintain excavations free of water.

### **3.04 PERFORMANCE**

- A. Execute work by methods to avoid damage to other Work, and which will provide proper surfaces to receive patching and finishing.
- B. For all new work, employ qualified installer to perform cutting and patching for weather-exposed and moisture resistant elements, and sight-exposed surfaces.
- C. Cut rigid materials using masonry saw or core drill. Use wet-type core drill for all holes over 1/2" in diameter. Pneumatic/hammer tools or dry-type core drills not allowed without prior approval. Cutting structural reinforcement with heat is strictly forbidden without prior written approval.
- D. Restore Work with new products in accordance with requirements of Contract Documents.
- E. Fit Work tightly to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.
- F. Maintain all fire-rated wall or area separation construction per applicable codes. At penetrations of fire-rated wall, ceiling, or floor construction, completely seal voids with fire-rated material, full thickness of the construction element or in accordance with U.L. listed assembly requirements.
- G. Refinish surfaces to match adjacent finishes. For continuous surfaces, refinish to nearest intersection; for an assembly, refinish entire unit.

**END OF SECTION**

**SECTION 01732  
SELECTIVE DEMOLITION**

**PART 1 - GENERAL**

**1.1 SUMMARY**

- A. Section Includes:
1. Demolition and removal of selected portions of building or structure.
  2. Salvage of existing items to be reused or recycled.

**1.2 MATERIALS OWNERSHIP**

- A. Unless otherwise indicated, demolition waste becomes property of Contractor.
- B. Historic items, relics, antiques, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, and other items of interest or value to DEPARTMENT that may be uncovered during demolition remain the property of DEPARTMENT.
1. Carefully salvage in a manner to prevent damage and promptly return to DEPARTMENT.

**1.3 PREINSTALLATION MEETINGS**

- A. Pre-demolition Conference: Conduct conference at Project site.

**1.4 INFORMATIONAL SUBMITTALS**

- A. Proposed Protection Measures: Submit report, including Drawings, that indicates the measures proposed for protecting individuals and property, for dust control, and for noise control. Indicate proposed locations of waste load out and barriers.
- B. Schedule of selective demolition activities with starting and ending dates for each activity.

**1.5 CLOSEOUT SUBMITTALS**

- A. Inventory of items that have been removed and salvaged.

**1.6 FIELD CONDITIONS**

- A. DEPARTMENT will occupy portions of building immediately adjacent to selective demolition area. Conduct selective demolition so DEPARTMENT's operations will not be disrupted.
- B. Conditions existing at time of inspection for bidding purpose will be maintained by DEPARTMENT as far as practical.
1. Before selective demolition, DEPARTMENT will remove the following items:

- a. Existing roof mounted air conditioning condenser and shroud.
- C. Notify DEPARTMENT of discrepancies between existing conditions and Drawings before proceeding with selective demolition.
- D. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.
  - 1. If suspected hazardous materials are encountered, do not disturb; immediately notify DEPARTMENT. Hazardous materials will be removed by DEPARTMENT under a separate contract.
- E. Storage or sale of removed items or materials on-site is not permitted.
- F. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.
  - 1. Maintain fire-protection facilities in service during selective demolition operations.
- G. Arrange selective demolition schedule so as not to interfere with DEPARTMENT's operations.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Verify that utilities have been disconnected and capped before starting selective demolition operations.
- B. Perform an engineering survey of condition of building to determine whether removing any element might result in structural deficiency or unplanned collapse of any portion of structure or adjacent structures during selective building demolition operations.

### 3.2 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS

- A. Existing Services/Systems to Remain: Maintain services/systems indicated to remain and protect them against damage.
- B. Existing Services/Systems to Be Removed, Relocated, or Abandoned: Locate, identify, disconnect, and seal or cap off utility services and mechanical/electrical systems serving areas to be selectively demolished.
  - 1. DEPARTMENT will arrange to shut off indicated services/systems when requested by Contractor.

2. If services/systems are required to be removed, relocated, or abandoned, provide temporary services/systems that bypass area of selective demolition and that maintain continuity of services/systems to other parts of building.
3. Disconnect, demolish, and remove plumbing, and HVAC systems, equipment, and components indicated on Drawings to be removed.
  - a. Piping to Be Removed: Remove portion of piping indicated to be removed and cap or plug remaining piping with same or compatible piping material.
  - b. Piping to Be Abandoned in Place: Drain piping and cap or plug piping with same or compatible piping material and leave in place.
  - c. Equipment to Be Removed: Disconnect and cap services and remove equipment.
  - d. Ducts to Be Removed: Remove portion of ducts indicated to be removed and plug remaining ducts with same or compatible ductwork material.
  - e. Ducts to Be Abandoned in Place: Cap or plug ducts with same or compatible ductwork material and leave in place.

### **3.3 PROTECTION**

- A. Temporary Protection: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
- B. Temporary Shoring: Design, provide, and maintain shoring, bracing, and structural supports as required to preserve stability and prevent movement, settlement, or collapse of construction and finishes to remain, and to prevent unexpected or uncontrolled movement or collapse of construction being demolished.
- C. Remove temporary barricades and protections where hazards no longer exist.

### **3.4 SELECTIVE DEMOLITION**

- A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:
  1. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chopping. Temporarily cover openings to remain.
  2. Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces.
  3. Do not use cutting torches until work area is cleared of flammable materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain portable fire-suppression devices during flame-cutting operations.
  4. Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
  5. Dispose of demolished items and materials promptly.

- B. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
- C. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by DEPARTMENT, items may be removed to a suitable, protected storage location during selective demolition and cleaned and reinstalled in their original locations after selective demolition operations are complete.

### **3.5 CLEANING**

- A. Remove demolition waste materials from Project site and dispose of them in an EPA-approved construction and demolition waste landfill acceptable to authorities having jurisdiction.
  - 1. Do not allow demolished materials to accumulate on-site.
  - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
  - 3. Remove debris from elevated portions of building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.
- B. Burning: Do not burn demolished materials.
- C. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

END OF SECTION 024119

**Section 01740**  
**WARRANTIES AND BONDS**

**PART 1 - GENERAL**

**1.1 REQUIREMENTS INCLUDED**

- A. Format and content of manuals.
- B. Schedule of submittals.

**1.2 RELATED REQUIREMENTS**

- A. Section 00700 – General Conditions.
- B. Section 01700 - Contract Closeout.
- C. Section 01730 – Operation and Maintenance Data.
- D. Individual Specifications Sections: Specific requirements for operation and maintenance data.

**1.3 FORM OF SUBMITTALS**

- A. Bind in commercial quality, 8-1/2 x 11 inch three-ring binders with hardback, cleanable, plastic covers.
- B. Label cover of each binder with typed or printed title "WARRANTIES AND BONDS"; with title of Project and DEPARTMENT Project number; name, address and telephone number of CONTRACTOR; and name of responsible principal.
- C. Table of Contents: Neatly typed, in the sequence of the table of contents of the Project manual, with each item identified with the number and title of the Specification section in which specified, and the name of product or Work item.
- D. Separate each warranty or bond with index tab sheets keyed to the table of contents listing. Provide full information, using separate typed sheets as necessary. List Subcontractor, Supplier, and manufacturer, with name, address, and telephone number of responsible principle.

**1.4 PREPARATION OF SUBMITTALS**

- A. Obtain warranties and bonds, executed in duplicate by responsible Subcontractors, Suppliers, and manufacturers, within ten days after completion of the applicable item of Work. Except for items put into use with DEPARTMENT permission, leave date of beginning of time of warranty until the date of Final Completion is determined.
- B. Verify that documents are in proper form, contain full information, and are notarized.
- C. Retain warranties and bonds until time specified for submittal.

## **1.5 TIME OF SUBMITTALS**

- A. Warranty period for equipment begins at Substantial Completion, unless otherwise approved by DEPARTMENT.
- B. For equipment or component parts of equipment put into service during construction with DEPARTMENT permission, submit documents within ten days after acceptance.
- C. Make other submittals within ten days after date of Final Completion, prior to final Application for Payment.
- D. For items of Work when acceptance is delayed beyond date of Final Completion, submit within ten days after acceptance, listing the date of acceptance as the beginning of the warranty period.

**PART 2 - PRODUCTS - Not Used.**

**PART 3 - EXECUTION - Not Used.**

**END OF SECTION**



## SECTION 26 05 73 – ARC FLASH STUDY

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section includes field investigation services, a computer-based arc-flash study to determine the arc-flash hazard distance and the incident energy to which personnel could be exposed during work on or near electrical equipment, and the labeling of specified electrical equipment.
  - 1. Specified electrical equipment includes 12,470V AC, 4,160V AC, 480V AC, and 208V AC switchgear, switchboards, transformers, generators, panelboards, and disconnects.
  - 2. Work is to be performed state-wide at Department of Corrections (DOC) facilities.
  - 3. Assessments to be performed include:
    - a. Short Circuit Analysis
    - b. Protective Device Coordination
    - c. Interrupt Rating Analysis
    - d. Incident Energy Analysis
    - e. Equipment Deficiency Report
- B. The work described in this technical specification describes the field and engineering services that the selected proposer will provide once under contract. Refer to the Request for Proposal for DOC requirements and procedures.

#### 1.2 ACTION SUBMITTALS

- A. Product Data:
  - 1. Submit product data for computer software program to be used for arc flash study. Include the year/version number and license expiration date information within the submittal.
  - 2. Submit product data for arc-flash labels.
- B. Samples: Submit a sample indoor and outdoor arc flash label, demonstrating compliance with this specification. Provide (4) samples of each, to be submitted for review at least (2) weeks before field application is scheduled to begin.
- C. Action Submittals: Submit the following in printed and digital form.
  - 1. Arc-flash study input data, including completed computer program input data sheets.
  - 2. Arc-flash study report. The report shall include all software program input and output files that were used to generate the report. It is the intent that the electrical system model generated by this project will be maintained and updated as equipment is added or upgraded at these facilities.

**1.3 CLOSEOUT SUBMITTALS**

- A. Record documents package shall consist of arc flash study input and output data and files (including one-line diagrams of the electrical systems modeled per the requirements of this Technical Specification), copies of the arc flash labels affixed by this project, and a report of any deficiencies observed during the execution of the work, including code, installation, product listing, and life safety. Redlines of the reference drawings shall be delivered for the Owner to draft into record drawings. The original redlines are acceptable in lieu of scanned copies. The originals will be returned to the Contractor after preparation of record drawings.
- B. Electronic files shall be submitted on DVD or flash drive. File format shall be as determined by the software that created the file. Portable document format (.pdf) files are required for all deliverables.
- C. Provide 2 hard and electronic copies of all materials.

**1.4 QUALITY ASSURANCE**

- A. Studies shall use computer programs that are distributed nationally and are in wide use. Software algorithms shall comply with requirements of standards and guides specified in this Section. Manual calculations are unacceptable.
- B. Arc-Flash Study Software Developer Qualifications: An entity that owns and markets computer software used for arc-flash studies, having performed successful arc-flash studies of similar magnitude on electrical distribution systems using similar devices.
- C. Arc-Flash Study Specialist Qualifications: The person in charge of performing the study, analyzing the arc flash, and documenting recommendations, shall have a minimum of five years experience performing arc flash studies of this size. All elements of the study shall be performed under the direct supervision and control of this person.

**1.5 CODES AND STANDARDS**

- A. The following Codes and Standards, as adopted by the State of Alaska or the local municipality, shall be used:
  - 1. International Building Code, latest adopted version
  - 2. International Fire Code, latest adopted version
  - 3. NFPA 70, National Electrical Code, latest adopted version
  - 4. 2018 NFPA 70E. Standard for Electrical Safety in the workplace
  - 5. IEEE 1584, Guide for Performing Arc-Flash Hazard Calculations

**PART 2 - PRODUCTS**

**2.1 COMPUTER SOFTWARE DEVELOPERS**

- A. Subject to compliance with requirements, provide software as developed by one of the following or an approved equal:
  - 1. ESA Inc.

2. Operation Technology, Inc.
3. Power Analytics, Corporation.
4. SKM Systems Analysis, Inc.
5. ETAP, Inc.

B. Comply with 2018 NFPA 70E.

## **2.2 ARC-FLASH STUDY REPORT CONTENT**

- A. Executive summary.
- B. Study descriptions, purpose, basis and scope.
- C. One-line diagram, showing the following:
  1. Equipment and protective device designations and ampere ratings. Designations shall match those in use.
    - a. When un-named equipment is discovered during the course of field investigations, it shall be given a logical identifying name for creation of the one-line diagram and the subsequent arc flash labels. The equipment shall be legibly marked with its new identifying name during field investigations for later reference prior to final labeling.
  2. Cable size and lengths.
  3. Transformer kilovolt ampere (kVA), impedance, and voltage ratings.
  4. Motor and generator designations and kVA/HP ratings.
- D. Study Input Data: As described in "Power System Data" Article.
- E. Arc-Flash Study Output:
  1. Interrupting Duty Report: Three-phase and unbalanced fault calculations, showing the following for each overcurrent device location:
    - a. Voltage.
    - b. Calculated symmetrical fault-current magnitude and angle.
    - c. Fault-point X/R ratio.
    - d. Equivalent impedance.
    - e. Multiplying factors for 2-, 3-, 5-, and 8-cycle circuit breakers rated on a symmetrical basis.
    - f. Multiplying factors for 2-, 3-, 5-, and 8-cycle circuit breakers rated on a total basis.
- F. For each piece of ANSI-rated equipment (i.e. Metal Clad Switchgear) with a main device contained in an isolated compartment or cubicle, two calculations shall be made. One calculation shall be made for the main cubicle, sides or rear; and shall be based on the

immediate upstream overcurrent device to clear the arcing fault. A second calculation shall be made for the front cubicles; and shall be based on the equipment's main protective device to clear the arcing fault. For all other non-ANSI rated equipment, only one calculation shall be required that is based on the immediate upstream overcurrent device to clear the arcing fault.

- G. Incident Energy and Flash Protection Boundary Calculations:
  - 1. Arcing fault magnitude.
  - 2. Protective device clearing time.
  - 3. Duration of arc.
  - 4. Arc-flash boundary.
  - 5. Working distance.
  - 6. Incident energy.
  - 7. Hazard risk category.
  - 8. Recommendations for arc-flash energy reduction.
- H. Fault study input data, case descriptions, and fault-current calculations including a definition of terms and guide for interpretation of the computer printout.

### **2.3 ARC-FLASH WARNING LABELS**

- A. Produce a 3.5-by-5-inch thermal transfer label for each work location included in the analysis.
- B. The label shall have an orange header with the wording, "WARNING, ARC FLASH HAZARD, " and shall include the following information taken directly from the arc-flash hazard analysis:
  - 1. Location designation, matching equipment names and designations in use or as labeled in the data gathering phase.
  - 2. Nominal voltage. Use the highest voltage present for transformers.
  - 3. Flash protection boundaries per NFPA 70E.
  - 4. Incident energy.
  - 5. Working distance.
  - 6. Engineering report issue date.
- C. Labels shall be machine printed, with no field-applied markings. Labels for indoor equipment items shall be premium grade vinyl with an acrylic pressure-sensitive adhesive. Labels for outdoor equipment shall be self-adhesive polyester labels are made of pre-printed 2 mil. thick polyester with a top laminate of ultra-violet resistant clear protective film.

### **2.4 DEFICIENCY REPORT**

- A. During the field investigation portion of the project, the Contractor shall be opening and visually inspecting electrical equipment as specified herein. If any electrical deficiencies are visually

observed, the Contractor shall document and photograph the deficiencies and compile them into a report. The report shall include the following information:

1. Equipment designation and location.
  2. Description of deficiency.
  3. Reference to the standard, code, NRTL product listing, or practice that the deficiency violates.
  4. Photograph(s) of the deficiency.
  5. Suggestion(s) for possible corrective action.
- B. Any deficiencies that in the Contractor's opinion pose an immediate hazard to the Contractor or to facility personnel shall be brought to the attention of the Facility Personnel and/or Project Manager **immediately**.
- C. Other deficiencies shall be organized and included in the report. A line item shall be added to the "DOC Facility Electrical Log" spreadsheet included in the RFP documentation. Example deficiency categories might include, but not be limited to, Life Safety, Equipment Protection, Housekeeping (i.e. labeling, cleanliness, etc.), and UL Listing.
- D. There are items in the spreadsheet noted above with the Category listed as "Follow-Up". These are items that could not be verified during initial visual inspections. Items typically include verification of panel power sources or equipment ratings, which will be required as part of the study. The purpose of these items is to draw attention to areas that may require additional time to be factored in for these facilities.

### **PART 3 - EXECUTION**

#### **3.1 ARC-FLASH HAZARD ANALYSIS**

- A. Comply with NFPA 70E for hazard analysis study.
- B. Calculate maximum and minimum contributions of fault-current size.
  1. The minimum calculation shall assume that the utility contribution is at a minimum and shall assume no motor load.
  2. The maximum calculation shall assume a maximum contribution from the utility, and shall assume motors to be operating under full-load conditions.
- C. Calculate the arc-flash protection boundary and incident energy at locations in the electrical distribution system where personnel could perform work on energized parts.
- D. Refer to the Request for Proposal for information on the equipment to be examined.
- E. Safe working distances shall be specified for calculated fault locations based on the calculated arc-flash boundary, considering incident energy of 1.2 cal/sq.cm.
- F. Incident energy calculations shall consider the accumulation of energy over time when performing arc-flash calculations on buses with multiple sources. Iterative calculations shall take into account the changing current contributions, as the sources are interrupted or decremented with time. Fault contribution from motors and generators shall be decremented as follows:

1. Fault contribution from induction motors should not be considered beyond five cycles.
  2. Fault contribution from synchronous motors and generators should be decayed to match the actual decrement of each as closely as possible (e.g., contributions from permanent magnet generators will typically decay from 10 per unit to three per unit after 10 cycles).
- G. Arc-flash computation shall include both line and load side of a circuit breaker as follows:
1. When the circuit breaker is in a separate enclosure.
  2. When the line terminals of the circuit breaker are separate from the work location.
- H. Base arc-flash calculations on actual overcurrent protective device clearing time. Cap maximum clearing time at two seconds. If adjustments can be made to equipment, calculations may be made based on adjusted status, and adjustments included in Follow-Up Site Visit.

### **3.2 POWER SYSTEM DATA**

- A. Obtain all data necessary for the conduct of the arc-flash hazard analysis.
1. For all facilities, obtain required electrical distribution system data by field investigation and surveys, conducted by qualified technicians, electricians, and/or engineers who have been approved per the requirements of the RFP.
  2. Exhibit drawings of power systems for the facilities will be available for review prior to field surveys. There is no guarantee as to the accuracy or completeness of the exhibit drawings, as they are often from original construction and do not reflect all work performed in the facility. Some facilities have more complete power information shown on the exhibit drawings than others.
  3. Reference drawings for all facilities, including power one-line diagrams and floor plans showing electrical equipment and panels, are included in the RFP. These reference drawings were assembled from the exhibit drawings, with visual surveys performed at the facilities for initial documentation. Note that motor starters, disconnects, relay panels, contactors, etc., are not included if downstream of panelboards. This equipment shall be labeled as "No Energized Work Allowed" by DOC. Modeling this equipment and labeling with arc flash calculations shall be performed under separate contract after an inventory is performed.
  4. Motor information is not included in the reference drawings, and may require field verification. Motor information necessary for calculations shall be determined by the person performing the study and collected in the field verification phase.
  5. Feeder information is incomplete in many areas of the reference drawings, and will require verification when panels are opened during the Preventative Maintenance portion of the project, as described in Specification Section 01010.
- B. Electrical Survey Data: Gather and tabulate the following input data to support study. Comply with recommendations in NFPA 70E as to the amount of detail that is required to be acquired in the field. Field data gathering shall be under the direction of the person in charge of performing the study, but does not need to be directly supervised at each site as long as qualified personnel are on-site.
1. Product Data for overcurrent protective devices specified in other Sections and involved in overcurrent protective device coordination studies. Use equipment designation tags

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that are consistent with electrical distribution system diagrams, overcurrent protective device submittals, input and output data, and recommended device settings.

2. Obtain electrical power utility impedance at the service. Visual verification of nameplate data shall require utility access to transformers. Coordinate with local utilities at each site for equipment verification. Obtain available fault current at the transformer secondary if the utility has this information available and will provide it.
  3. Power sources and ties.
  4. Short-circuit current at each system bus, three phase and line-to-ground.
  5. Voltage level at each bus.
  6. For transformers, include kVA, primary and secondary voltages, connection type, impedance, X/R ratio, taps measured in per cent, and phase shift.
  7. For circuit breakers and fuses, provide manufacturer and model designation. List type of breaker, type of trip and available range of settings, SCCR, current rating, and breaker settings.
  8. Generator short-circuit current contribution data, including short-circuit reactance, rated kVA, rated voltage, and X/R ratio.
  9. Busway manufacturer and model designation, current rating, impedance, lengths, and conductor material.
  10. Motor horsepower and NEMA MG 1 code letter designation.
  11. Medium- and low-voltage cable sizes, lengths, conductor material, and cable construction and metallic shield performance parameters, as applicable.
- C. Equipment may **not** be deenergized without a minimum of (7) days notice to the Project Manager and approval by the facility.
- D. PPE required for data collection shall be per NFPA 70E and provided by the Contractor for on-site personnel. Facility personnel aiding in access and collection shall be provided with PPE by the DOC.
- E. The arc flash hazard analysis shall be performed utilizing the facility operating conditions of normal utility operation, with consideration given to operating conditions under generator power. The arc flash hazard results shall report and compare each case. The final report shall describe, when applicable, how generator conditions differ from normal operating conditions. Arc flash labeling information shall reflect the worst-case conditions unless specifically indicated otherwise.

### **3.3 FOLLOW-UP SITE VISITS**

- A. Apply one arc-flash label for 12,470V AC, 4,160V AC, 480V AC, and 208V AC switchgear, switchboards, transformers, generators, motor starters, panelboards and disconnects, as described in the Request for Proposal.
- B. Remove any existing arc flash labels. It is the intent of this project that only one label be present for each equipment item, except as specified in 2.2.F for ANSI-rated metal-clad switchgear.

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- C. Label service entrance equipment with calculated available fault current and calculation date.
- D. Make adjustments to circuit breaker trip settings per the coordination study requirements. Notify DOC if fuses need to be replaced or equipment modified based on these results.

**END OF SECTION**



# APPENDIX A

**FACILITY: Anchorage Correctional Center - East**

**COMMENT**

**CATEGORY:**

Hand-written arc flash stickers present on equipment. Remove/replace.

General

Panel AEH2: Open space, no cover for circuit #17

Safety

Work at service entrance, including new generator circuit breakers, transfer switches, and MDP, is scheduled for Spring 2018. Contractor should perform study based on new line-up and provide stickers for gear once installed.

General

**FACILITY: Anchorage Correctional Center - West**

**COMMENT**

Hand-written arc flash stickers present on equipment. Remove/replace.  
Pad-mounted transformer and Panel 'H' shown in original parking lot not found.  
Verify and remove from one-line diagram.

**CATEGORY:**

General

General

**FACILITY: Anvil Mountain Correctional Center**

**COMMENT**

**CATEGORY:**

MDP has 34" working clearance to satellite rack.	Code
MDP circuit breakers are labeled "Service Disconnect".	General
Auto/Test switch has been removed from automatic transfer switch.	General
Equipment is stacked around the 30kVA transformer for Panel EL.	Code
Panel KL: Open gaps above/below the deadfront, bus exposed. It looks like there are panels missing.	Safety
Per facility personnel, circuit breakers, particularly GFCI, are not locally available for GE panels and make replacement difficult.	General
Panel KH: Panel unlocked in inmate accessible area. Panel schedule is not accurate.	General
Panel KH: Grease/dust buildup on door, interior condition unknown.	Safety
Kitchen: Surface EMT to Insta-Hot using single hole conduit straps and no tamper-resistant fasteners in inmate-accessible area.	General
Panel KLB: Glycol lines routed directly overhead.	Code
Headbolt heater receptacles: Rusty, covers missing.	Safety
Utility Building: Auto/Test switch removed from ATS.	General
WWTP: No disconnecting means for generator power at building.	Code
WWTP: Panels unlocked in inmate accessible areas.	General

**FACILITY: Fairbanks Correctional Center**

**COMMENT**

**CATEGORY:**

Unit III: Panel EM-2 source needs verified and one-line updated.

Follow-up

Outside Maintenance Shed: Could not verify panel and disconnecting means at time of site visit. Verify and update one-line/site plan.

Follow-up

Unit I: Panel 'E' is marked 'M', Panel 'M' has no markings. Add nameplates.

General

**FACILITY: Goose Creek Correctional Center**

**COMMENT**

Unable to determine size of smaller security UPS's.

**CATEGORY:**

Follow-up

**FACILITY: Hiland Mountain Correctional Center**

**COMMENT**

**CATEGORY:**

Equipment connections shown at the Hobby Craft building have not been made yet. This work to be performed by facility personnel.

General

Building T (Maintenance): No secondary overcurrent protection for 45kVA transformer.

Code

Verify feeders/circuit breakers from DP-EB, main building to DP-ED, DP-BE/AE

Follow-up

**FACILITY: Ketchikan Correctional Center**

**COMMENT**

**CATEGORY:**

Feeder circuit breaker to Panel 'L2E' is not marked. Verify and update.

Follow-up

There are a number of panels that have been added and are not on record drawings. Verify feeder sizes.

Follow-up

No markings on utility transformer to confirm size.

Follow-up

Generator 117: Door swings into Housekeeping 116, and should have listed panic hardware due to the size of gear in the room. Room should have 2 exits or twice working clearance from gear to door, though this is probably not feasible for the space.

Code

Working clearance from MDP to generator is 44". Equipment is 277/480V and both could have exposed live parts, so working clearance should be 48".

Code



**FACILITY: Lemon Creek Correctional Center**

**COMMENT**

**CATEGORY:**

GDP, Main Building: Circuit breaker labeled "Learning Lab", no panel found. Panel Y found in fan room near tower, no Panel Y on distribution panels. Suspect these are the same, facility could not confirm.	Follow-up
GDP, Main Building: Circuit breaker labeled "Panel N, Phone Room". No panel was found. Verify feeders are connected and trace, or mark spare if no panel connected to this circuit breaker.	Follow-up
Mech 111, Main Building: Subpanel fed from Panel LC – could not find. May be in Caribou Hut, which could not be accessed at the time of the site visit.	Follow-up
Arts & Crafts Shop 1013, 2nd Floor, Main Building - 6-space load center in this room, no markings to identify source. Verify and update one-line diagram.	Follow-up
Verify Caribou Hut has local disconnecting means for panel.	Follow-up
MCC-1, Utility Building: Verify feeder circuit breaker size for transformer for Panel 'LB'. No markings found.	Follow-up
Maintenance Shop - Back Shop panel has no local disconnecting means (fed from Utility Building).	Code

**FACILITY: Mat Su Pre-Trial**

**COMMENT**

Panel M - Working Clearance violation with Desk.

Panel A - Working Clearance violation with Cabinet.

**CATEGORY:**

Code

Code

**FACILITY: Palmer Correctional Center**

**COMMENT**

**CATEGORY:**

Guard Shack fed from Housing H1 was locked up, could not verify panel.	Follow-up
MDPE, Administration Building: 200A CB, unknown load.	Follow-up
MDPE, Administration Building: Spare CB, unknown size.	Follow-up
Administration Building: There were a number of added panels, feeder size unknown.	Follow-up
Maintenance Shop MDP: Panel Schedule blank, not clear what circuit breakers feed each panel. Verify and update schedule/one-line.	Follow-up
Administration Building: Water pipe routed over Panel '4K'.	Code
Panel MDP in Maintenance shop - Working Clearance violation with Filing cabinet	Code
Administration Building panels Unknown how they are fed.	Follow-up
Panel 'AA' has water pipe over panel.	Code
Panel 'J','J1','J2' in Program & Support Building had water piping over panels, and were behind washer and dryers.	Code

**FACILITY: Point McKenzie Correctional Farm**

**COMMENT**

**CATEGORY:**

Maintenance Shop: Industry sub-panel, verify how it is fed.

Follow-up

Kitchen: The pad-mounted transformer size is unknown.

Follow-up

Kitchen Building: There are a number of unknown feeder sizes on the MDP.

Follow-up

Processing Room: Verify transformer sizes for the Processing Panels and Freezer Panel.

Follow-up

Existing Industry sub panel: Unknown how fed.

Follow-up

**FACILITY: Spring Creek Correctional Center**

<b>COMMENT</b>	<b>CATEGORY:</b>
Motor Pool Building: No local disconnecting means for feeder from Warehouse.	Code
New Motor Pool Building: No local disconnecting means for feeder from Motor Pool.	Code
Motor Pool: Panel 6N/Transformer T6: No overcurrent protection for secondary conductors from transformer.	Code
Warehouse: Could not locate Transformer T24 during site visit.	Follow-up
Warehouse: Verify voltage of paralleling switchboard and attached equipment. Per record drawings, voltage is 4160, as is generators, but source and load is 12470. Not clear what true ratings are.	Follow-up
Warehouse: Fuel Pump Panel appears to be fed from a 30A/2P circuit breaker in Panel '5X'. Verify.	Follow-up
Warehouse: No panel schedule in Panel '5X'.	General
APS 3rd Floor: Panel 'E' circuit breaker to MTS 'D' is off. Not clear why, and if breaker can be turned on in event of power loss of normal power.	Follow-up
APS 3rd Floor: It appears Panel 'N' on the first floor is fed from a 125A/3P circuit breaker in Panel 'P', but nothing is marked to confirm. Verify.	Follow-up
House 1: No panel schedule in Panel '4XA'.	General
House 2/3: Equipment in Janitor/Storage rooms on 1st floor showing signs of rust/corrosion. Monitor for potential replacement, verify interior condition.	General

**FACILITY: WILDWOOD CORRECTIONAL CENTER**

**COMMENT**

**CATEGORY:**

Building 12: No local disconnecting means for exterior green house panel.	Code
Building 14: Equipment is very old, covers missing, breakers loose, conductors in poor condition.	Safety
Building 7: It is unclear how Panel 'Z' is fed. Verify and update one-line.	Follow-up
Building 6: Panel '6C' could not be located.	Follow-up
Building 3: Connection to site electrical unclear. Verify.	Follow-up
Building 10: Unclear how kitchen panels are connected.	
Building 10: Panels 'R1' and 'R2' have less than 18" working clearance.	Code
Building 10: Naming convention for panels is not consistent between distribution equipment and panels, making it difficult to verify connections. Recommend updating panel nameplates and circuit breaker tags/nameplates to match.	General
Building 10: It is not clear how Panel 'EM' on the 3rd floor is fed.	Follow-up
Building 10: It is not clear how Panels 'K1' and 'K2' are fed.	Follow-up
Building 10: It is not clear how the 1C/2C/3C panels are fed. It is assumed they connect to one of the basement panels. Verify.	Follow-up
Building 10: It is not clear if the basement panels feed to panels above in the manner indicated on the one-line diagram.	Follow-up
Building 10: Post 6 panel was opened while on-site and has airborne debris from floor buffer coating internal components.	Safety

**FACILITY: Yukon-Kuskokwim Correctional Center**

**COMMENT**

**CATEGORY:**

The Tin Shed with flammable storage is temporarily connected to power through a flexible cord from the freezer module. This storage area needs to be evaluated for hazardous classification and requirements for any electrical installation.

Safety

Fire Pump feeder size is unknown.

Follow-up

Panel XK: There is a 175A/3P circuit breaker in the panel in the 'ON' position. Per facility personnel, they don't believe this serves anything, but this should be verified.

Follow-up

Generator Room door swings into Maintenance Office. Due to size of gear in the room, this door should have listed panic hardware. There is an exterior door which would serve as a better exit, but the facility keeps it padlocked for security.

Code

MDP: There is a 300A circuit breaker for Panel 'L', which was located in the Maintenance Office per record drawings. Panel was not found, and facility personnel could not recall seeing it. Verify whether there are feeders connected to circuit breaker and trace, or mark circuit breaker spare and update drawings if not.

Follow-up

Caribou Hut: No disconnecting means for building. Load center does not appear to have a main circuit breaker.

Code

## DOC Electrical Safety Program – Exhibit A

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The questions and answers below were taken from the previous RFP solicitation and are being presented as reference and clarification for current RFP proposers.

1. **Question:** The first page of the RFP requires a bid guaranty of 5% with the bid. This is common in construction bids, however, it is less common for proposals requesting engineering services. Does the DOC want a bid guaranty?

**Answer:** Yes, this is a construction contract.

2. **Question:** Will an engineer or someone with the state need to review and “approve” the reports before we proceed with printing arc flash labels? Spec reference Section 26 05 73 part 3.3.A.

**Answer:** RSA will review reports prior to printing labels. This review is not intended to be exhaustive, but will be used to double-check equipment names, verify that calculated values appear reasonable, etc.

3. **Question:** Is there a minimum threshold in terms of motor horsepower where motors can be neglected? The IEEE Std 1584 requires “large motors” larger than 50 HP to be modeled but some customers prefer to include motors to a smaller given size such as 20 HP. Spec reference Section 26 05 73 part 3.2.A.4. \*Repeat question from #1 submission of questions however this came from an engineer at Eaton he references the IEEE standards\*

**Answer:** The intent is to follow the IEEE standard for motor sizes.

4. **Question:** Is there a set amount of hours per day that escorts will be available to complete work?

**Answer:** No. Facility maintenance staff members will escort workers as needed. For proposal purposes and barring any emergency at the facility, proposers can assume that an escort will be provided during all work hours stated within the contract.

5. **Question:** Is there more than one escort available at the same time, at the same facility?

**Answer:** Yes, with limitations multiple escorts can be made available.

6. **Question:** Are the original design drawings available? The original design drawings would show circuits to lights, motors, etc., which would be useful for data entry into the electrical analysis program we have. Without these drawings, we will have to do more approximation of cable lengths, etc.



**Answer:** Some original building drawings are available. Available building drawings will be provided upon request by the Arc Flash Contractor who is awarded the contract.

7. **Question:** During the tour, I asked Dan whether panel schedules were available from RSA. This is just a repeat of that question.

**Answer:** Panel schedules may be available at the facility or in the panels themselves. The DOC or RSA do not maintain a list of panel schedules for DOC Facilities.

8. **Question:** We use a program here for electrical analysis called EasyPower. This may be early to ask, but EasyPower was not on the list of programs bidders could use. EasyPower is at least equal to many on the list, and is the software used by ConocoPhillips. The cost of these programs is high, so we want to use EasyPower.

**Answer:** This software would be treated as an approved equal, provided it meets the requirements of the RFP. It appears to include salient features, and no noticeable disqualifications.

9. **Question:** To keep a level bidding field. Can we assume that we are only bidding the number of panels and equipment currently denoted on the RFP drawings? A great deal of time could be spent finding all of the smaller disconnects, motor starters, lighting contactors Etc. that are not shown on the drawings. And with it, a range of missing labels for equipment not found during the surveys.

**Answer:** Yes.

10. **Question:** Can we assume that the wire sizes that are identified on the drawings and feeder schedules are correct and do not require verification?

**Answer:** Wire sizes indicated on drawings and feeder schedules were not visually verified during the RFP preparation. These sizes generally came from record drawings, and per 260573.3.2.A(5), will require verification when panels are opened. Alternate methods for unknown feeder sizes, such as modeling +/- sizes based on overcurrent protection, should be included in the RFP response if appropriate.

11. **Question:** Will the DOC be isolating areas where panel boards are located in Hallways with high inmate foot traffic?

**Answer:** Yes.

12. **Question:** We noticed during the job walk that some of the hallways with PB's in them were narrow and didn't provide much room for us to put up our work area barriers.

**Answer:** This is potentially a hazard to have inmates walking behind electricians while Panel Board doors are open or bus is exposed.

- a. The DOC will isolate the work areas to the most feasible extent.

13. **Question:** Has the DOC determined the range of motors that need to be included in the Arc Flash study? \*\*There was mentioned of excluding all the small motors....i.e. 15HP and below\*\*

**Answer:** The intent is to follow the IEEE standard for motor sizes.

14. **Question:** Page 194/198 (2.2(G)) shows a requirement to list the Hazard Risk Category. Hazard Risk Categories have been removed from NFPA 70E. Can these be removed from the required calculations?

**Answer:** Yes.

15. **Question:** Have any previous studies been performed at any of the sites?

**Answer:**

- a. Yes, Goose Creek Correctional Center had an arc flash study done during original construction.
- b. If yes, can the reports be made available along with the program files?
  - i. There is a PDF available. The original program file is not readily available.

16. **Question:** Page 198/198 (3.3(D)) states adjustments to circuit breakers per the study be done. It is not possible to accurately quote this part of the scope until the studies have been completed. Can this be quoted near the end of the project?

**Answer:** Yes, this can be negotiated. Note that per the section quoted, the intent is to make these adjustments during the return site visit.

17. **Question:** 260573.2.4: Deficiency reporting requires photography. Will this be permitted and if so under what conditions? Are the contractor's responsibilities limited to reporting the deficiency?

**Answer:** Yes, photographs are limited to electrical equipment, nearby connections and pathways. Inmates, corridors or exit doors shall not be photographed.

18. **Question:** 260573.3.2.D: This says DOC will provide PPE for facility personnel aiding in the collection of data. Please confirm this.

**Answer:** The DOC will not provide PPE for the Contractor or Subcontractors. PPE will be provided to facility personnel after completion of the Arc Flash Study.

19. **Question:** Which version of NFPA 70E? OSHA has adopted 2018 version of 70E.

**Answer:** Update 2015 NFPA 70E references to 2018.

20. **Question:** 01730.1.7: What instruction of owner personnel will the contractor be expected to furnish?

**Answer:** None. Training will be conducted internally.

21. **Question:** 01731: Is any cutting and patching anticipated or will any be anticipated as part of the scope of work?

**Answer:** Cutting and patching may be required although it is not anticipated.

22. **Question:** 260873.2.2C: I interpret this as saying we have to label unlabeled equipment subject to Arc Flash labeling. Note the specs say “marked” and do not use the term label. Please clarify this section.

**Answer:** Interpretation is correct, Contractor shall label unlabeled equipment subject to Arc Flash labeling.

23. **Question:** 260573.3.1.D: Is there a list of equipment to be examined somewhere in the RFP?

**Answer:** Equipment is listed on the one-line diagrams for each facility. Equipment is characterized in the Arc Flash Study specification.