



ARRC MP 102.5 EMERGENCY REPAIR CULVERTS

INVITATION TO BID
No. 25-71-213958F

OCTOBER 31, 2025

ALASKA RAILROAD CORPORATION
327 WEST SHIP CREEK AVENUE
ANCHORAGE, ALASKA 99501



ALASKA RAILROAD CORPORATION
327 W. Ship Creek Ave.
Anchorage, AK 99501
ThompsonC@akrr.com
Phone 907.265.2068
Cell 907.854.3141

October 31, 2025

INVITATION TO BID #25-71-213958

ARRC MP 102.5 EMERGENCY REPAIR CULVERTS

Response Required: This page must be completed and returned to ensure receipt of future addenda or additional information. Please e-mail this form to ThompsonC@akrr.com. All addenda will be forwarded to the contact name and number listed below.

Firms that have not returned the cover sheet will not be informed of addendums and will only be alerted to addendums by checking with the ARRC procurement officer or by checking ARRC's internet site: www.alaskarailroad.com, select Procurement and then Solicitations.

Bidders must acknowledge the receipt of all issued addendums in their proposal/bid submittal.

Company _____

Address _____

Contact _____

Phone _____

Email _____

Website: www.alaskarailroad.com



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INVITATION TO BID NUMBER: # 25-71-213958

ARRC MP 102.5 Emergency Repair Culverts

SEALED BIDS WILL BE RECEIVED AT

**Alaska Railroad Corporation
Attn: C. Lee Thompson
327 West Ship Creek Avenue
Anchorage, AK 99501**

**UNTIL 3:00 P.M. November 18th, 2025
AT WHICH TIME BIDS WILL BE PUBLICLY OPENED**

A Pre-Proposal Site visit will be held on **Thursday November 6th, 2025** at 11:00 a.m. located at the Rabbit Creek rifle range; 15222 Seward Highway, Anchorage AK 99503. PPE is required.

The envelope used in submitting your offer shall be plainly marked with the following information:

1. Offeror's Name -
2. ITB # 25-71-213958
3. Date and Time Scheduled for Receipt of Offers.
4. Sealed Offer: ARRC MP 102.5 Emergency Repair Culverts

A bidder's failure to visit the work site will in no way relieve the bidder of the responsibility of performing the work in strict compliance with the true intent and meaning of the terms, conditions, and specifications of this ITB.

Return your bid in a sealed envelope on which the Solicitation number appears. Bids received by e-mail or facsimile transmission will not be considered for award. Bids shall be submitted on the forms furnished herein. Hand-delivered bids, amendments, or withdrawals must be received by ARRC's Contracts Section prior to the scheduled time of bid opening.

Your bid must be complete. See instructions and conditions enclosed.

An Alaska Business license is not a prerequisite to bid. Bidders who possess an Alaska Business license and also meet the other criteria of an Alaska Bidder shall receive a preference per the "Alaska bidder preference".

ARRC shall not be held responsible for bidder's lack of understanding of what is required by this bid. Should a bidder not understand any aspect of this bid, or require further explanation, or clarification regarding the intent or requirements of this bid, it shall be the responsibility of the bidder to seek guidance from the ARRC.

ARRC reserves the right to reject any and all bids, or any part thereof, negotiate changes in bids, accept any bids or any part thereof, waive minor informalities or defects in any bids, and not to award the proposed contract if it is in the best interest of the ARRC.

ARRC may award a contract resulting from this solicitation to the responsive offeror whose offer conforming to this solicitation will be the most advantageous to the ARRC. ARRC may reject any or all offers if such action is in the best interest of ARRC and waive informalities and minor irregularities in offers received. Any resulting contract from this solicitation shall incorporate the Standard Instructions, and General Terms and Conditions for Construction incorporated in this solicitation.

This solicitation is not to be construed as a commitment of any kind nor does it commit the ARRC to pay for any costs incurred in the submission of an offer or for any other incurred cost prior to the execution of a formal contract

BIDDER/VENDOR TERMS AND CONDITIONS: PROSPECTIVE BIDDERS ARE CAUTIONED TO PAY PARTICULAR ATTENTION TO THIS CLAUSE. Bidder/contractor imposed terms and conditions which conflict with this Invitation for Bid terms and conditions are considered counter offers and, as such, will cause the Alaska Railroad Corporation to consider the bid non-responsive.

If a bidder attaches additional terms and conditions as part of the bid, such attachments must be accompanied by a disclaimer stating that in the event of conflict between the terms and conditions of this Invitation for Bid and the terms and conditions of the bidder/contractor, the terms and conditions of the Invitation for Bid will prevail.

ARRC Disadvantaged Business Enterprise (DBE) Program: ARRC is an equal opportunity corporation that encourages the participation of DBEs as prime contractors and subcontractors on its contracts funded in whole or in part by the Federal Transit Administration (FTA) or the Federal Highway Administration (FHWA). ARRC has a race neutral DBE Program and does not set DBE goals on individual solicitations. Nonetheless, the ARRC aspires to achieve an overall DBE participation of 4.0% in federal fiscal years 2025-2027 on contracts funded by agencies within the U.S. Department of Transportation. If this contract is funded in whole or in part by funds from the FTA, FEMA or the FHWA, it is imperative that you consult the Federal Terms and Conditions portion of this solicitation.



The Alaska Railroad is a member of Green Star (<http://www.greenstarinc.org/>). ARRC earned an initial Green Star Award in 1994 and a Green Star Air Quality Award in 2007. The Alaska Railroad considers Green Star membership to be a positive business attribute, and regards a Green Star award as a tangible sign of an organization's commitment to environmental stewardship and continual improvement within its operations.

Please direct all responses and/or questions concerning this invitation to bid **in writing** to C. Lee Thompson, Alaska Railroad Corporation, Supply Management, 327 W. Ship Creek Avenue, Anchorage, AK 99501, telephone number 907-854-3141, email address ThompsonC@akrr.com.

Sincerely,

C. Lee Thompson
Contract Administrator
Alaska Railroad Corporation

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ATTACHMENTS:

- 1) Signed plans/drawings will be issued prior to the site visit.
- 2) State Wage Rates Pamphlet 600 Issue 51 Effective 9/1/2025.

APPENDIX A

Required Documents

REQUIRED FOR BID Bids will not be considered if the following documents are not completely filled out and submitted at the time of bidding:

1. Construction Bid Form - [Form 395-0121]
2. Bid Bond - [Form 395-0120]
3. Contractors Responsibility Questionnaire
4. Cost Schedule - Appendix J

REQUIRED AFTER NOTICE OF APPARENT LOW BIDDER The apparent low bidder is required to complete and submit the following documents within **Five (5) Working Days** after receipt of written notification:

1. Subcontractor List - [Form 395-0131]
2. Contractor's QA/QC Plan
3. Contractor's Site Health & Safety Plan

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. Certificate of Insurance - [from Insurance Carrier]
2. Payment Bond - [Form 395-0126]
3. Performance Bond - [Form 395-0127]
4. Contract - [Form 395-0122] and Notice to Proceed, **ARRC Generated**
5. Contractor's Business License and Contractors License
6. Contractor Qualifications (Appendix G Technical Specs - Section 1.5.B)

POST AWARD DOCUMENTATION

APPENDIX B

Bidders Instructions BIDDERS INSTRUCTIONS & SPECIAL REQUIREMENTS (CONSTRUCTION)

To be considered for award, Bids must be made in accordance with the following requirements:

Duty to Seek Clarification: ARRC shall not be held responsible for Bidder's lack of understanding of what is required by the Invitation to Bid. Should a Bidder not understand any aspect of the Invitation to Bid or require further explanation or clarification regarding the intent or requirements of the same, it shall be the responsibility of the Bidder to seek clarification from ARRC prior to submitting his or her Bid.

Terms and Conditions: Any resulting contract from this Invitation to Bid shall incorporate the general terms and conditions contained in this bid package.

Contract Documents: Bidders shall familiarize themselves with the requirements of all of the Contract Documents which include, but are not limited to the "Bidders Instructions & Special Requirements", the Invitation to Bid, Bid and Contract Forms, General Conditions, Special Conditions, Specifications, Drawings, any Addenda issued prior to the receipt of Bids, and any other documents referenced or incorporated therein.

Examination of Site: Bidders should visit the Project Site(s) and take such other steps as may be reasonably necessary to ascertain the nature and location of the Work, and the general and local conditions which may affect the Work and the cost thereof.

Examination and Interpretation of Documents: Each Bidder shall examine the Contract Documents carefully and shall make written requests to ARRC prior to Bid submission for interpretation or correction of any ambiguity, inconsistency, discrepancy, omission, or error therein which the bidder may discover. Any interpretation or correction will be issued in an Addendum by ARRC. Only a written interpretation or correction shall be binding. No Bidder shall rely on any interpretation or correction given by any other method.

Addenda: ARRC may modify the Invitation to Bid prior to the date fixed for opening of Bids by issuance of an Addendum to all parties who have been furnished the Bid Package for bidding purposes. Bidders must acknowledge receipt of all Addenda on the Construction Bid Form [Form 395-0121].

Qualification of Bidders: Pursuant to ARRC Procurement Rule 1600.3, before a Bid is considered for award, ARRC may request a Bidder to submit information regarding the Bidder's capability in all respects to fully perform the contract requirements or the individual integrity and reliability which will ensure good faith performance. Such information shall include the Bidder's prior experience in performing comparable Work, the availability of necessary financing, equipment, facilities, expertise and personnel to perform the Work and whether he or she has ever been terminated or defaulted on construction work.

Bid Forms: Bids must be submitted on the forms provided by ARRC, completed in all respects as required by the Bid Forms and other Contract Documents and manually signed by an authorized official of the Bidder. Bidders may make copies of the Bid Forms for submission of Bids.

Submission of Bids: Bids must be sealed, marked, and addressed as directed in the Invitation to Bid and must be delivered to the office designated in the Invitation to Bid prior to the exact time set for opening bids. Late bids will not be considered.

Modification, Correction, Withdrawal of Bids: Modification, correction or withdrawal of Bids will be allowed only as provided in ARRC Procurement Rule 1200.8.

Bid Opening: Bids will be opened in public at the time set forth in the Invitation to Bid in accordance with ARRC Procurement Rule 1200.6. The contents of the Bids will be open for public inspection after the notice of intent to award a contract is given.

Evaluation of Bids: Bids will be evaluated in accordance with the provisions of ARRC Procurement Rule 1200.7. Alternative bids, if called for, are intended to provide ARRC a range of comparative costs which will allow identification of the combinations most responsive to ARRC's need. The order in which the alternatives are listed or set out in the Invitation to Bid should not be taken as any indication as to the order in which ARRC may elect to select the alternatives, if any. Bidders shall submit bid prices for all alternatives stated in the Invitation to Bid and are advised that the order in which the alternatives, if any, are chosen by ARRC, may affect which Bidder is the lowest responsive and responsible Bidder.

Bid Security: In accordance with ARRC Procurement Rule 1200.4, all Bids shall be accompanied by bid security in the form of a cashier's check or an acceptable Bid Bond, a form of which is provided herein, in the amount of five percent (5%) of the Bid price.

Rejection of Bids: ARRC reserves the right to waive minor defects or informalities in a Bid in accordance with the provisions of ARRC Procurement Rule 1200.8, or to reject any or all Bids in accordance with the provisions of ARRC Procurement Rule 1600.2.

AGGRIEVED BIDDER/OFFEROR: An aggrieved bidder/offeror may protest an ARRC procurement action by filing a written protest with the procurement officer in accordance with the procedures and time limits specified in ARRC Procurement Rules 1800.1-1800.11.

Award of Contract: Unless the solicitation is canceled or all bids are rejected, the procurement officer shall award a contract based on the solicited bids with reasonable promptness by written notice to the lowest, responsible and responsive Bidder whose bid conforms in all material respects to the requirements and criteria set out in the Invitation to Bid.

Execution of Contract: A written contract must be signed by the Bidder to whom an award is made and returned to ARRC within ten (10) calendar days, together with all required performance and payment bonds, and certificate(s) of insurance in the amounts required by the Invitation to Bid. The Bidder to whom award is made shall not be permitted to occupy the project site until he has first obtained the required insurance and submitted to ARRC proof of such insurance together with a statement certifying that said insurance conforms to requirements set forth in the Invitation to Bid.

Failure to Execute Contract: If the Bidder to whom the Contract is awarded refuses or neglects to execute it, or fails to furnish the required bonds and insurance within the time specified, the amount of his bid security may be retained by ARRC as liquidated damages.

Government Contract Requirements: If Federal funds will be used to pay for any part of the project described in the Invitation to Bid, any contract awarded hereunder will contain provisions requiring the successful Bidder to comply with all pertinent provisions, agreements, and clauses of the subject federal grant and all pertinent laws, regulations, Presidential directives, and executive orders to the extent they apply to the subject matter of the contract.

Drug and Alcohol-Free Workplace: Safety is paramount at ARRC. For that reason, ARRC maintains an alcohol and drug-free workplace and requires that the Contractor do the same. At all times during the performance of this contract, the Contractor shall have in place a written drug and alcohol program that includes, at a minimum, the following:

- a. a requirement that all applicants present a negative pre-employment drug screen prior to being hired by the Contractor;
- b. a requirement that employees submit to a "reasonable suspicion" drug and/or alcohol test when showing signs and symptoms of drug and/or alcohol influence on duty;
- c. a requirement that employees submit to "reasonable cause/post-accident" drug and alcohol tests following certain accidents or incidents (with the threshold level triggering testing to be determined by the Contractor);
- d. a provision defining a positive alcohol test as one that reveals a breath alcohol level of .02 or greater;
- e. a provision defining a positive drug test as one that reveals concentrations at the levels set forth in 49 C.F.R. § 40.87(b)(screening test) and 49 C.F.R. § 40.87(c)(confirmatory test) or greater;
- f. a provision that outlines the consequences of a positive drug or alcohol test and the consequences of an employee's refusal to submit to drug/alcohol testing; and
- g. a provision that establishes the conditions under which an employee may return to work following a positive drug and/or alcohol test, which at a minimum include an evaluation by a substance abuse professional and compliance with a recommended treatment program.

The Contractor agrees that at any time during the performance of this contract, if an ARRC employee reports to the Contractor that an employee of the Contractor or its subcontractor is showing signs and symptoms of drug/alcohol influence on duty, the Contractor shall remove the employee from ARRC property immediately and shall have the employee tested for drug/alcohol influence. If the employee tests positive, the Contractor shall ensure that the employee is not returned to work on the project until he/she has met the return to work requirements contained in the Contractor's written program.

Offer Acceptance Period: For the purpose of award, offers made in accordance with this ITB shall be good and firm for a period of thirty (30) days from the date of bid opening.

Site-Safety Plan Requirement: Before the contractor or any subcontractor begins any construction related work under this contract including but not limited to mobilization, equipment setup, storage, etc., taking place on sites under Alaska Railroad Corporation (ARRC) control, they will submit a site Health and Safety Plan to ARRC for compatibility acceptance.

The plan must be compatible with ARRC Safety Policies including On-Track Safety, OSHA overwater requirements, ARRC on-site employee safety including safety for Project Managers, Construction Managers, Flaggers, Visitors, Safety personnel, Quality Assurance staff, vendors, and the public. The plan must outline procedures for first aid, emergency response, chemical exposures, spills, site sign-in requirements for site-safety briefings, coordination with ARRC dispatch, Section 6.16 (SAFETY AND PROTECTION), Section 6.17 (WORK SAFETY ON RAILROAD PROPERTY), and Section 6.18 (EMERGENCIES), other sections of the contract GENERAL CONDITIONS.

A complete, detailed Site-Safety Plan shall be submitted to the Project Manager at least 5 days prior to commencement of any Work on the Project

ALASKA BIDDER'S PREFERENCE

Preferences shall be applied to bids that qualify for an Alaska Bidder's Preference. An Alaska bidder preference is five percent (5%). "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 it appears on the person's current Alaska business license;
3. has maintained a place of business within the State of Alaska staffed by bidder or an employee of the bidder for a period of six (6) months immediately preceding the date of this bid;
4. is incorporated or qualified to do business within the State of Alaska; is a sole proprietorship, and the proprietor is a resident of the State of Alaska; or is a partnership and all partners are residents of the State of Alaska;
5. is a joint venture, composed entirely of ventures that qualify under (1) through (4) of this subsection.

CONTRACTOR'S INSTRUCTION FOR SUBMITTING CERTIFIED PAYROLL:

This contract may include work on an Alaska Railroad Corporation (ARRC) construction project, which is subject to the wage/certified payroll requirements of the DOLWD and/or it may include work on a federally funded construction project and be subject to U. S. Department of Labor Davis-Bacon Act wage/certified payroll requirements. As part of the contract the following will be required:

1. All contractors paid under a construction contract funded in whole or in part with federal funds shall pay laborers and mechanics the higher of the two wages listed in this contract from the U. S. Department of Labor (www.access.gpo.gov/davisbacon/) or from the DOLWD (www.labor.state.ak.us/lss/home.htm). Contractors paid under ARRC only funded construction contracts shall pay laborers and mechanics the appropriate wage established by the DOLWD, which is often called Little Davis-Bacon wages.
2. All contractors employing laborers and mechanics under this contract, including the owner/operator if he or she worked on the job, must submit weekly certified payrolls that contain the information listed on the DOLWD Weekly Certified Payroll Form 07-6058, pages 1 and 2. Owner/operators working on the project as mechanics or laborers, either as prime or subcontractor, must file certified payrolls and record all information including the hourly wage, fringe benefits, hours worked, overtime, et cetera, however they can defer the weekly payment and write over the total deductions and net pay boxes "owner/operator." Page 2 is the "Statement of Compliance" and must bear an original signature. The prime contractor is responsible for gathering the certified payrolls, with original signatures, from each subcontractor and for submitting them, along with its own, to the ARRC Certified Payroll Processor.

3. **Private utility companies** exempt by the state of Alaska from filing certified payrolls because they are working on their own lines must provide a copy of the state approved sworn work affidavit indicating they are paying state DOLWD required wages. Private Utility companies shall file Notices of Work (NOW) and Notices of Completion (NOC) with DOLWD, listing subcontractors, if any. The DOLWD approved finalized affidavit, NOW, and NOC shall be sent to the ARRC. The utility company shall collect original certified payrolls from all subcontractors and submit them weekly to the ARRC as outlined in these submission instructions.
4. These weekly certified payrolls must be uploaded to ARRC's web portal within seven days after the regular "payday" for that certified payroll at the following web address: <https://certpayportal.akrr.com/> A website login will be required to be set up prior to the first submission.
5. The contractor and its subcontractors are also responsible for filing certified payrolls with DOLWD as required.
6. The certified payroll must be completely filled out by the contractor including, but not limited to:
 - i. **Contractor's complete name**, including joint ventures, Inc., LLC. etc.
 - ii. **Contractor's license number**, also called the contractor's registration number, is required in addition to a business license to do construction work in the state. The prime contractor must be registered even if the contractor does not work on the site, but only uses site subcontractors.
 - iii. **Employee's**
 - a. Name
 - b. Address (domicile and mailing)
 - c. Social security number
 - d. Job classification
 - e. Hours worked
 - f. Wages/fringe benefits paid

Owner/operators working on the project as mechanics or laborers, either as prime or subcontractor, must file certified payrolls and record all information including the hourly wage, fringe benefits, hours worked, overtime, et cetera, however they can defer the weekly payment and write over the total deductions and net pay boxes "owner/operator."

- iv. **Contracting agency project number**, which is the ARRC contract/purchase order number, is listed on the DOLWD finalized Notice of Work. This notice also lists the **DOLWD project number, project name, and location**. The prime contractor will supply all of this information to its subcontractors.

- v. **Week ending date and payroll numbers**. The first week or part of a week of payroll will be designated as payroll number 1 for the first week, 2 for the second week, etc. until the final week worked on the project. The final payroll must be marked FINAL.

vi. The **Statement of Compliance** must be completely filled out indicating how fringe benefits are paid and listing the payroll period. The Statement of Compliance must be signed, dated, and filed (delivered or postmarked) within seven days of the payment date of the payroll. The Statement of Compliance must have an original signature.

vii. **Stamp or write “Confidential”** on the certified payroll to help ensure the privacy of contractor employees. Failure to submit timely, complete, and accurate weekly certified payrolls to ARRC may result in the delay of payment on the contract. Sample copies of DOLWD certified payroll forms with the “Statement of Compliance” are shown in SECTION B.

State of Alaska Certified Payroll Form, page 2

STATEMENT OF COMPLIANCE

CERTIFIED PAYROLL FORM 07-6058

Contractors & Subcontractors Please Note!!!

SSN MUST be listed for each employee on payroll

8 AAC 30.020 CERTIFIED PAYROLL. (a) All Contractors (including owner/operators) who perform work on a public construction contract for the state or political subdivision of the state shall file with the Department a certified payroll (Form 07-6058) before Friday of each week that covers the preceding week.

(b) The certified payroll shall be submitted to the Department's regional office in which the work is performed.

| | | |
|---|--|---|
| Region I North of N63° Labor Standards & Safety Div, DOLWD 675 7th Ave., Station J-1 Fairbanks, AK 99701-4593 (907) 451-2886 Fax: (907) 451-2885 | Region II, South of N63° Labor Standards & Safety Div, DOLWD 3301 Eagle Street, Suite 301 Anchorage, AK 99503-4149 (907) 269-4900 Fax: (907) 269-4915 | Region IIA, Southeast Alaska, (From Yakutat south) Labor Standards & Safety, DOLWD P. O. Box 21149 1111 W. 8th Street, Rm 302 Juneau, AK 99801 (907) 465-4842 Fax: (907) 465-3584 |
|---|--|---|

In lieu of submitting Form 07-6058, contractors may submit his/her payroll form. **THE FORM MUST CONTAIN SOCIAL SECURITY NUMBERS FOR EACH EMPLOYEE.**

The contractor's payroll record must contain the same information required on this form.

Sec. 35.05.040 requires that all contractors or subcontractors who perform work on a public construction contract for the state or a political subdivision of the state shall, **BEFORE FRIDAY OF EACH WEEK**, file with the Department of Labor and Workforce Development (DOLWD), a sworn affidavit for the previous week, setting out in detail the number of workers employed, wages paid each week, job classification of each employee, hours worked each day and week, and other information which the DOLWD requires.

CONTRACTORS WHO DISREGARD THEIR OBLIGATIONS TO THEIR EMPLOYEES, INCLUDING PAYMENT OF THE APPROPRIATE PREVAILING RATES OF PAY, UNCONDITIONAL PAYMENT, AND PAYMENT NOT LESS THAN ONCE A WEEK MAY BE DEBARRED FROM PUBLIC CONSTRUCTION.

Date: 12-Dec-04

(2) That Alaska Strong Steel, Inc.
(Contractor / Subcontractor)

I Jane Doe, President do hereby state
(Name of Signatory Party) (Title)

is in full compliance with the provisions set forth in AS 36.10, which requires employment preference for Alaska residents as outlined in AS 36.95.010; and

(1) That I pay or supervise the payment of persons employed by Alaska Strong Steel, Inc. on the
(Contractor / Subcontractor)

(3) That any payrolls otherwise under this contract required to be submitted for the above period are correct and complete;

Gold Creek Bridge Project; that during the payroll
(Building or Work)

that the wage rates for laborers, mechanics or field surveyors contained herein are not less than the current applicable wage rates established by the DOLWD; that the classification set forth therein for each laborer, mechanic or field surveyor conforms with the work performed; and

period commencing on 12-Dec-04, and ending on
(date)

(4) That any apprentices employed in the above period are duly registered in a bona fide apprenticeship program registered with the State apprenticeship agency recognized by the Bureau of Apprenticeship and Training, United States

18-Dec-04, all persons employed on said project have
(date)
been paid full weekly wages earned, that no rebates have been or will be made either directly or indirectly to or on behalf of said

Department of Labor, or if no such agency exists in the State, are registered with the Bureau of Apprenticeship and Training, United States Department of Labor; or

Alaska Strong Steel, Inc.
(Contractor / Subcontractor)

(5) That I am a bona fide owner/operator and that my contract amount meets or exceeds the prevailing wage for each hour I have worked. My last progress payment was received on _____ For _____

from the full weekly wages earned by an person, and that no deductions have been made either directly or indirectly from the full wages earned by any person, other than permissible deductions, on projects covered by Alaska Statute 36 as defined in regulations issued by the Commissioner of Labor; or on Federal Projects as defined in Regulations, Part 3 (29 CFR Subtitle A), issued by the Secretary of Labor under the Copeland Act, as amended (48 Stat. 948; 63 Stat. 108; 72 Stat. 967; 76 Stat. 357; 40 USC 276 (c), and described below:

(6) That where fringe benefits are paid to approved plans, funds or programs: (check all applicable items)

(a) In addition to the basic hourly wage rates paid to each laborer, mechanic or field surveyor listed on this payroll, payments of fringe benefits as currently published by DOLWD

have been or will be made to a union trust.

(b) In addition to the basic hourly wage rates paid to each laborer, mechanic or field surveyor listed on this payroll, payments of fringe benefits as currently published by DOLWD have been or will be made to the appropriate programs for the benefit of such workers, except as noted in Section 6(d) below. Fringe benefit payments will be made at least quarterly to an approved plan. The name of the plan is: _____

(c) Each laborer, mechanic or field surveyor listed on this payroll has been paid, as indicated on the payroll, an amount not less than the sum of the applicable basic hourly wage rate plus the amount of the required fringe benefits as currently published by DOLWD, except as noted in Section 6(d).

(d) Exceptions:

| Exception (Craft) | Explanation |
|-------------------|-------------|
| | |
| | |
| | |
| | |

Remarks:

The willful falsification of any of the above information may subject the contractor or subcontractor to civil or criminal prosecution. See Section 1001 of Title 18 and Section 231 of the United States Code. Also see AS 36.05.060.

Jane Doe

Signature (original signature required)

Jane Doe, President

Name & Title (print or type)

APPENDIX C

Scope of Work

Scope of Work

The scope of this project is to mitigate structural issues of three 60-Inch diameter, multiplate culvert structures located at ARRC MP 102.5. These culverts convey water from Rabbit Creek into the Cook Inlet, in South Anchorage. This bid package presents three distinct options for this mitigation effort. The Contractor may elect, but is not required to provide bids on one, two or all three of the presented options. ARRC will select the option that is in the best interest of ARRC.

The three options presented herein are as follows:

- A) **Install New CBD:** Install a new single span, 28-FT long, owner furnished Concrete Ballast Deck Bridge supported by owner furnished concrete pile caps, using owner furnished 16-IN diameter steel piling. Owner furnished PS31 sheet pile will be used to construct sheet pile cells at each abutment. Each bent will consist of three battered piles driven to approximately 150-TN capacity. This option will require only enough excavation to install the bridge and its substructure components, the material below the new bridge will remain to the extent required to construct the bridge.
- B) **Partial Replacement with Steel Pipe:** Remove and replace the first 50-FT to 60-FT of relic 60-inch diameter multiplate pipe, removing the culvert from its outlet to a splice location at approximately 25 feet from the edge of asphalt between the Seward Highway and the tracks. The removed pipe will be replaced with 54-inch minimum diameter smooth wall steel pipe with a ½-inch minimum wall thickness. The smooth wall steel pipe will be slipped over the cut off portion of the 60-inch diameter multiplate pipe, with a minimum overlap of 3-feet. The annals of the pipe splice will be sealed.
- C) **Partial Replacement with CMP Pipe:** Remove and replace the first 50-FT to 60-FT of relic 60-inch diameter multiplate pipe, removing the culvert from its outlet to a splice location at approximately 25 feet from the edge of asphalt between the Seward Highway and the Tracks. The removed pipe will be replaced with an ARRC approved larger diameter (larger than a 60-inch diameter), aluminized corrugated pipe (or approved equal) having a manufacturer's certification of at least a 40-year life span in brackish water. The new CMP will be slipped over the cut off portion of the 60-inch multiplate pipe, with a minimum overlap of 3-feet. The annals of the pipe splice will be sealed.

The following standard drawings shall be used as reference, in addition to the Special Provisions outlined herein. Standard drawings to be used for this solicitation include:

- 1) CBD Standard Plans
- 2) Culvert Standard Plans
- 3) Roadbed Standard Plans

For all options, ARRC will furnish the railroad ballast which is stockpiled in the Birchwood rail yard. ARRC will also cut track and assist the contractor with its removal and reinstallation. The

contractor will need to construct ballast grade to the bottom of tie, in accordance with the standard drawings. The contractor will also need to use their equipment to lift the track panels from and back onto grade. Once ballast grade has been set, ARRC will require 3.5 hours to reassemble the track, this window must be accounted for in the outage window.

Work performed herein shall adhere to the Alaska Railroad Standard Specifications for Construction – 2025 Edition. A copy of this publication can be downloaded at [ARRC SSC March 2025 \(Orange Book\)](#).

As part of this contract, the contractor is responsible for compliance with all applicable FRA safety regulations. Contractor is to submit a designation roster of work and safety Supervisors, including the basis of qualifications for each employee to the Project Manager for approval prior to beginning work.

Work shall be planned so as to minimize track outages. Train traffic is unpredictable but expected natural work windows are as follows:

- Outside Passenger Season – roughly 10/1 – 4/12 dependent on weather conditions
 - 0600-1800 daily: expect one train per day, expect a 6 hour window daily, subject to change
 - 1800-0600 daily: expect one train per night, expect a 6 hour window nightly, subject to change
 - Typically, once per week there may be a larger track window from Sunday night or Monday morning to Wednesday afternoon; however, this is not guaranteed and may shift up due to barge traffic which is weather dependent
- During Passenger Season – roughly 4/12 – 10/1 dependent on weather conditions
 - 0830-2200: several trains daily, expect a 2 hour window at some point daily, subject to change
 - 2200-0830: possibility of passenger delays and unscheduled freight, however, typically can expect a 6-8 hour window nightly

Any requests for larger windows that are not provided for by the usual train schedule must be submitted, for approval by ARRC, at least 30 days prior to the requested date of the outage. Contractor is to note that any work window requests affect passenger trains will likely be denied. The above traffic schedule is provisional and may change. Train traffic must not be impeded. ARRC forces will also be utilizing tracks in the area for inspection, maintenance, and other purposes – windows are not always for the exclusive use of the contractor. An outage approval will generally consist of an authorization of the outage duration. As freight train traffic at this location is weather dependent, the exact start times of the outage window cannot be guaranteed until 60 hours prior to the outage. The longest potential outage that may be authorized at this location is four days.

Following schedule approval, ARRC will set up an internal or contracted flagger to provide track protection for the duration of the project. Contractor is to note that flaggers are not allowed to work more than 60 hours in a week, nor are they permitted to work more than six (6) days out of seven (7). Contractor requests for longer shifts or more flaggers will be evaluated on a case-by-case basis and are subject to approval by the Project Manager and the Maintenance-of-Way department at the railroad. Flagging during track outages will be provided 24-hours per day for the duration of the outage.

Contractor is to bid the work as if ARRC equipment will not be available. Contractor is to provide any and all on-track equipment necessary to complete the scope of the project. All operation of on-track equipment shall be performed by individuals in accordance with 49 CFR Part 214, Subpart D – On-Track roadway Maintenance machines and Hi-Rail Vehicles. Operation of on-track equipment shall only be by a trained Roadway Maintenance machines operator. Equipment submittals and operator basis of qualifications must be submitted to and approved by ARRC.

END OF SCOPE OF WORK

APPENDIX D

APPENDIX D – [ARRC Standard Specifications for Construction March 2025 Edition \(Orange Book\)](#)

APPENDIX E

Construction Quality Control (CQC) Plan

1. SUBMITTAL AND GENERAL REQUIREMENTS

- 1.1. The Contractor shall establish and maintain an effective quality management system. The quality management system shall consist of plans, procedures, and the organization necessary to provide material, equipment, and workmanship that comply with the requirements of the contract documents. The system shall cover operations both onsite and offsite, and shall be keyed to the proposed sequence of the work.
- 1.2. The Contractor shall prepare a Construction Quality Control (CQC) plan compliant with the requirements of this appendix and all other contract documents. A complete detailed CQC plan shall be submitted to the Owner's Representative within 10 days of intent to award and shall be approved in writing by the Owner's Representative prior to proceeding with the work.
- 1.3. The CQC plan shall be capable of ensuring that the procurement, shipping, handling, fabrication, installation, cleaning, inspection, construction, testing, storage, examination, repair maintenance, and required modifications of all materials, equipment, and elements of the work comply with the requirements of the contract documents and that all materials incorporated in the work will perform satisfactorily for the purpose intended.
- 1.4. If Contractor does not provide an acceptable CQC plan, ARRC may, at its sole discretion, elect to award the contract to others.

2. AUTHORITY AND RESPONSIBILITY

- 2.1. Authority: The persons and organizations performing quality control and quality assurance functions shall have sufficient authority and organizational freedom to identify quality problems and to initiate, recommend, provide, and verify implementation of the solution.
- 2.2. Changes in Plan or Personnel: The Contractor shall not revise the CQC or the quality staffing levels or replace any of the key personnel specified herein without prior written approval from the Owner's Representative.
- 2.3. Contractor's Responsibility: The Contractor is solely responsible for achieving project quality and shall have overall responsibility for the quality of all construction work. The contractor shall conduct quality management activities, which include inspection, materials testing, and other activities specifically developed and/or chosen by the Contractor.
- 2.4. Owner's Responsibility: ARRC reserves the right to, and will, conduct inspections, testing, sampling, and evaluation associated with quality assurance and independent quality assurance. ARRC's role in construction is to provide the following.
 - 2.4.1. Quality assurance and independent assurance of construction activities, inspection, and materials testing. ARRC will do this with either its staff or a consultant acting as the owner's representative.
 - 2.4.2. Oversight of the Contractor's quality management activities to ensure adherence to the CQC plan and compliance with the contract documents.

- 2.4.3. Notifying the Contractor promptly of irregularities or deficiencies observed in the work.
- 2.4.4. Oversight of the Contractor's construction management, including scheduling, invoicing, shop drawing review, document control, etc.

3. CONSTRUCTION QUALITY CONTROL (CQC) PLAN

- 3.1. Objectives: Quality in the construction phase is the program of policies, procedures, and responsibilities required to provide confidence that the desired characteristics have been obtained to help ensure the project will perform its intended function for its design life. Quality control in the construction phase shall consist of those actions necessary to assess production and construction processes so as to control the level of quality being produced in the end project. The Contractor's quality control actions shall include examining, checking, and inspecting in-process and completed work, and materials sampling and testing during production and construction, as a means of controlling and measuring the characteristics and conformity of an item, process, or feature to established requirements.
- 3.2. The Contractor's CQC plan shall be capable of:
 - 3.2.1. Ensuring that the design, procurement, shipping, handling, fabrication, installation, cleaning, inspection, construction, testing, storage, examination, repair, maintenance, and required modifications of all materials, equipment, and elements of the work comply with the requirements of the contract documents.
 - 3.2.2. Ensuring that all materials incorporated in the work, all equipment, and all elements of the work will perform satisfactorily for the purpose intended.
- 3.3. Contents of the CQC Plan: The CQC plan shall delineate the type and frequency of inspection, sampling, and testing deemed necessary to measure and control the various properties of material and workmanship of all construction processes within the tolerances governed by the drawings and specifications, applicable codes and regulations, permit conditions, and other contract requirements as contained herein. The CQC plan shall include the following, at a minimum.
 - 3.3.1. Construction activity and item inspection plans.
 - 3.3.2. Schedule of materials control including materials to be tested, test methods, and frequency of testing.
 - 3.3.3. Sampling locations and techniques.
 - 3.3.4. Control of workmanship
 - 3.3.5. Identification and qualifications of key quality control personnel, including the quality control manager, inspectors, and technicians. Include an organization chart with reporting lines.
 - 3.3.6. Name and location of testing laboratories.
 - 3.3.7. Documentation procedures, including inspection and test records; accuracy and calibration checks; nature, number, and type of deficiencies found; nature of corrective actions; and quantities of work tested and sampled.
 - 3.3.8. Mandatory inspection points.

4. CONSTRUCTION QUALITY ORGANIZATION

4.1. The construction CQC shall describe the Contractor's quality management organization for all of the project construction processes. At a minimum, the CQC shall identify the following positions.

4.1.1. Construction Manager or Superintendent: The Construction Manager shall be the individual responsible for the overall project construction, quality management, and contract administration for this project.

4.1.2. Construction Quality Manager: The Construction Quality Manager may work directly for the Contractor or may be contracted from an independent firm or organization. The Construction Quality Manager shall work under the direct supervision of the Construction Manager. It shall be the responsibility of the Construction Quality Manager to perform workmanship inspections, implement quality planning, oversee quality control testing, and coordinate with Owner's QA testing and independent assurance testing. The Construction Quality Manager shall also cooperate with the Owner's Representative in compiling a statistical correlation of materials and workmanship data. The Construction Quality Manager shall be responsible for submitting requested inspection, testing, and other data to the Owner's Representative on a daily basis or as determined by the Construction Quality Manager and ARRC's field representative.. The Construction Quality Manager shall have at least two years (within the last five years) of experience in inspection and materials testing for similar projects.

4.1.3. Construction Testing Technicians: The construction testing technicians may work directly for the Contractor or may be contracted from an independent firm or organization. They shall work under the direct supervision of the Construction Quality Manager and perform inspections as indicated in the construction CQC. Each Construction Testing Technician shall have training and/or technical certification, as appropriate, for the specific type and level of work that they will be testing; e.g., asphalt certification, welding, concrete strength, etc.

5. PRECONSTRUCTION MEETING: Before the start of construction, the Contractor shall meet with ARRC or its authorized representative in a pre-construction meeting. A topic of the pre-construction meeting shall be the Contractor's proposed quality management system. During the meeting, a mutual understanding of the system details shall be developed, including the forms for recording the Contractor's quality control operations, control activities, testing, administration of the system for both onsite and offsite work, and the Contractor's quality control program. Minutes of the meeting shall be prepared and signed by both the Construction Manager and the Owner's Representative. The minutes shall become a part of the contract file. Additional conferences may be called at any time to reconfirm mutual understandings.

6. INSPECTIONS AND TESTS

6.1. Except where they are specifically indicated to be the Owner's responsibility, or are provided by another identified entity, the Contractor shall provide inspections, tests, and similar quality control services in accordance with the approved CQC plan. Costs for these services shall be included in the contract price, whether performed by the Contractor's personnel or an independent firm.

- 6.2. Associated Services: The Contractor shall cooperate with organizations performing required inspections, tests, and similar services and shall provide reasonable auxiliary services as requested. Auxiliary services required include, but are not limited to:
 - 6.2.1. Providing access to the work and furnishing incidental labor and facilities necessary to facilitate inspections and tests.
 - 6.2.2. Taking adequate quantities of representative samples of materials that require testing or assisting the Owner in taking samples.
 - 6.2.3. Providing facilities for storage or curing of test samples, and delivery of samples to testing laboratories.
 - 6.2.4. Providing the Owner with a preliminary design mix proposed for use for materials mixes that require control.
 - 6.2.5. Security and protection of samples and test equipment at the project site.
- 6.3. Coordination: The Contractor, the Owner's Representative, and any independent testing agencies shall coordinate the sequence of activities to accommodate required inspection and testing services with a minimum of delay. In addition, the Contractor and ARRC shall coordinate activities so that removing and replacing construction to accommodate inspections and tests will not be required.
- 6.4. The Contractor is responsible for scheduling times for inspections, tests, taking samples, and similar activities.
- 6.5. Mandatory Inspection Documentation Points: Documentation points are mandatory verification and inspection points that shall be identified in the CQC plan and the project schedule. Documentation points should be points at which critical characteristics are to be measured and documented by the Construction Quality Manager. It will be the responsibility of the Construction Quality Manager to certify that the design and construction have met the requirements of the plans and specifications and to sign all inspection documentation. Inspection documentation shall be submitted to ARRC or its representative when requested. It shall be the responsibility of the Contractor to determine inspection documentation point criteria and required documentation. ARRC will not prescribe the inspection criteria.
- 6.6. ARRC should be notified a minimum of 24 hours prior to any mandatory inspection.
 - 6.6.1. The mandatory inspection points for this project shall be established through coordination between the contractor and the Owner's Representative...
- 6.7. Completion Inspection: At the completion of all work or any increment thereof established by a completion time stated in the schedule or in the CQC plan, the Construction Quality Manager shall conduct a completion inspection of the work and develop a punch list of items that do not conform to the contract documents. Such a list of deficiencies shall be included in the QC documentation as required herein, and shall include the estimated date by which the deficiencies will be corrected. The Construction Quality Manager shall make a second completion inspection to make certain that all deficiencies noted on the punch list have been corrected and so notify ARRC. The completion inspections and any deficiency corrections required by this paragraph shall be accomplished within the time stated for completion of the entire work or any particular increment thereof if the project is divided into increments by separate completion dates.

7. DOCUMENTATION

- 7.1. The Contractor shall maintain daily records of quality control operations, activities, and tests performed, including the work of suppliers and subcontractors. These records shall be on an acceptable form and shall include factual evidence that required activities or tests have been performed, including, but not limited to, the following.
 - 7.1.1. Type and number of control activities and tests involved.
 - 7.1.2. Results of control activities or tests.
 - 7.1.3. Nature of non-conformances, defects, causes for rejection, etc.
 - 7.1.4. Proposed remedial action.
 - 7.1.5. Corrective actions taken.
 - 7.1.6. Description of trades working on the project, the number of personnel working, the weather conditions encountered, any delays, and acknowledgement of any instruction given by ARRC.
- 7.2. The daily quality control report records shall cover both conforming and defective or deficient features and shall include a statement that supplies and materials incorporated in the work and workmanship comply with the contract. The Construction Quality Manager shall sign the daily quality control report and furnish legible copies to ARRC by the end of the following workday.
- 7.3. Monthly quality control reports that summarize project status, work completed related to funds expended, any nonconformance, and any necessary corrective actions shall be provided.

APPENDIX F

Forms

ALASKA RAILROAD CORPORATION – CONSTRUCTION BID FORM
of:

NAME _____
ADDRESS _____

To the CONTRACTING OFFICER, ALASKA RAILROAD CORPORATION:

In compliance with your Invitation to Bid Number, ITB# 25-71-213958, the Undersigned proposes to furnish and deliver all the materials and do all the work and labor required in the construction of the ARRC MP 102.5 Emergency Repair Culverts, located at or near Anchorage, Alaska according to the plans and specifications and for the amount and prices named herein as indicated on the Cost Schedule, which is made a part of this Bid.

The Undersigned declares that he/she has carefully examined the contract requirements and that he/she has made a personal examination of the site of the work; that he/she understands that the quantities, where such are specified in the Cost Schedule or on the plans for this Project, are approximate only and subject to increase or decrease, and that he/she 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 **Ten (10) Calendar Days**, or such further time as may be allowed in writing by the Contracting Officer, after receiving notification of the acceptance of this Bid, and it is hereby mutually understood and agreed that in case the Undersigned does not, the accompanying bid guarantee shall be forfeited to the Alaska Railroad Corporation as liquidated damages, and said Contracting Officer may proceed to award the contract to others.

The Undersigned agrees to commence the work within **Ten (10) Calendar Days** after the effective date of the Notice to Proceed and to complete the work by _____, unless extended in writing by the Contracting Officer.

The Undersigned proposes to furnish a Payment Bond in the amount of One Hundred Percent (100%) and a Performance Bond in the amount of One Hundred Percent (100%) (of the contract), 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 No. | Date Issued | Addenda No. | Date Issued | Addenda No. | Date Issued |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ |

NON-COLLUSION AFFIDAVIT

The Undersigned declares, under penalty of perjury under the laws of the United States, that neither he/she nor the firm, association, or corporation of which he/she 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 competitive bidding in connection with this Bid.

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

Signature

Name and Title of Person Signing

Telephone Number

E-Mail Address

Form 395-0121 (12/99)

ALASKA RAILROAD CORPORATION – BID BOND

| | | | | | | |
|---|-------------------------------------|-----------|---|-------------------------------|---------------------------|-----------------------|
| <u>ITB#25-71-213958</u> ARRC MP 102.5 Emergency Repair Culverts | | | 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 | | | |
| | | | 9 STATE OF INCORPORATION | | | |
| SURETY(IES) (Name and business address) | | | | | | |
| A. | | B. | | C. | | |
| PENAL SUM OF BOND | | | DATE OF BID | | | |
| <p>We, the PRINCIPAL and SURETY above named, are held and firmly bound to the Alaska Railroad Corporation (ARRC), 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.</p> <p>THE CONDITION OF THE FOREGOING OBLIGATION is that the Principal has submitted the accompanying bid or proposal in writing, date as shown above, on the following project: _____, in accordance with contract documents filed in the office of the Contracting Officer, and under the Invitation for Bids therefore, and is required to furnish a bond in the amount stated above.</p> <p>If the Principal's bid is accepted and he/she is offered the proposed contract for award, and if Principal fails to enter into the contract, then the obligation to ARRC created by this bond shall be in full force and effect.</p> <p>If the Principal enters into the contract, then the foregoing obligation is null and void.</p> | | | | | | |
| | | | | | | |
| Signature(s) | 1. | 2. | 3. | Corporate Seal | | |
| Name(s) & Titles [Typed] | 1. | 2. | 3. | | | |
| CORPORATE SURETY(IES) | | | | | | |
| S U R E T Y A | Name of Corporation | | | State of Incorporation | Liability Limit \$ | |
| | Signature(s) | 1. | | 2. | | Corporate Seal |
| | Name(s) & Titles [Typed] | 1. | | 2. | | |
| | | | | | | |

| CORPORATE SURETY(IES) | | | | |
|-------------------------------------|--------------------------|----|------------------------|--------------------|
| S U R E T Y B | Name of Corporation | | State of Incorporation | Liability Limit \$ |
| | Signature(s) | 1. | 2. | Corporate Seal |
| | Name(s) & Titles [Typed] | 1. | 2. | |

| CORPORATE SURETY(IES) | | | | |
|-------------------------------------|--------------------------|----|------------------------|--------------------|
| S U R E T Y C | 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 Washington 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.

Form 395-0120

CONTRACTOR RESPONSIBILITY QUESTIONNAIRE

PART I - INSTRUCTIONS

1. All Bidders/Proposers submitting a Bid/Proposal for federally funded contracts are to complete and submit all Parts of this Questionnaire with their Bid or Proposal. Failure to complete and return this questionnaire, any false statements, or failure to answer question when required, may render the bid/proposal non-responsive. All responses must be typewritten or printed in ink. All information must be legible.
2. Please state "not applicable" in questions clearly not applicable to Bidder/Proposer in connection with this solicitation. Do not omit any question.
3. The completed Questionnaire must be sworn to by a partner (if partnership), a duly authorized officer or individual (if a corporation or LLC), or a principal (if a sole proprietorship).
4. The term "Proposer" includes the term "Bidder" and also refers to the firm awarded the Contract. The term "Proposal" includes the term "Bid".
5. ARRC reserves the right to inquire further with respect to Proposer's responses; and Proposer consents to such further inquiry and agrees to furnish all relevant documents and information as requested by ARRC. Any response to this document prior or subsequent to Proposer's Proposal which is or may be construed as unfavorable to Proposer will not necessarily automatically result in a negative finding on the question of Proposer's responsibility or a decision to terminate the contract if it is awarded to Proposer.

PART II - IDENTITY OF PROPOSER

1. Proposer's Full Legal Name: _____
2. The Proposer represents that it operates as the following form of legal entity: (Check whichever applies and fill in any appropriate blanks.)
 - an individual or sole proprietorship
 - a general partnership
 - a limited partnership
 - a joint venture consisting of: _____ and _____
(List all joint ventures on a separate sheet if this space is inadequate.)
 - a non-profit organization
 - a corporation organized or incorporated under the laws of the following state or country: _____ on the following date: _____
 - a limited liability company organized under the laws of the following state or country: _____ on the following date: _____

3. Proposer's federal taxpayer identification number: _____
4. Proposer's Alaska business license number: _____
5. Proposer's contractor's license number (for construction only): _____
6. Proposer's legal address: _____

Telephone Number: (____) _____ Fax Number: (____) _____

7. Proposer's local or authorized point of contract address:
 Name: _____ Title: _____
 Address: _____
 Telephone Number: (____) _____ EMAIL: _____

8. How long has the Proposer been in business? _____
9. Has Proposer been in business under another name? If so, identify name and dates used.

10. Does your firm consider itself to be an MBE, WBE or DBE?
 YES NO
 If answer is "YES," attach a copy of certification.

11. Number of employees: _____ including _____ employees in the State of Alaska.

PART III-CONTRACTING HISTORY

1. Has the Proposer been awarded any contracts within the last five years by ARRC, the State of Alaska, or any other public entity for the same or reasonably similar goods or services sought by this solicitation? If none, answer "No". If yes, on a separate sheet of paper describe those contracts beginning with the most recent. State the name of the contracting entity; give a brief description of the contract and the contract number, the dollar amount at award and at completion, date completed; state the contract period, the status of the contract, and the name, address, and telephone number of a contact person at the agency. Indicate if award was made to Proposer as prime contractor or joint venture.

Proposer need not provide more than three such descriptions.

YES NO

2. Has the Proposer been awarded any private sector contracts within the last five years for the same or reasonably similar goods or services sought by this solicitation? If none, answer "No." If yes, on a separate sheet of paper provide the name and address of the contracting entity, a brief description of work, the dollar amount at award and at completion, date completed, status of the contract and name, address and telephone number of contact person as to each, beginning with the most recent. Indicate if Proposer acted as prime contractor or joint venture. Proposers need not provide more than three such descriptions.

YES NO

NOTE: ANY "YES" ANSWERS TO #3 BELOW MUST BE FULLY EXPLAINED ON A SEPARATE SHEET OF PAPER AND ATTACHED TO THIS QUESTIONNAIRE.

3. In the past five years has the Proposer been the subject of any of the following actions?

A. Been suspended, debarred, disqualified, or otherwise declared ineligible to bid?

YES NO

B. Failed to complete a contract for a public or private entity?

YES NO

C. Been denied a low-bid contract in spite of being the low bidder?

YES NO

D. Had a contract terminated for any reason, including default?

YES NO

E. Had liquidated damages assessed against it during or after completion of a contract?

YES NO

F. Been a defaulter, as principal, surety or otherwise?

YES NO

G. Been denied an award of a public contract based upon a finding by a public agency that your company was not a responsible contractor?

YES NO

H. A public entity requested or required enforcement of any of its rights under a surety agreement on the basis of your company's default or in lieu of declaring your company in default?

YES NO

I. Been denied a performance or payment bond by a surety company?

YES NO

J. Been required to pay back wages and/or penalties for failure to comply with state or federal prevailing wage or overtime laws?

YES NO

4. Does Proposer currently possess the financial, organizational, technical, equipment, facilities, and other resources necessary to supply the goods or services sought by this solicitation? If no, on a separate sheet of paper describe how you intend to obtain the resources necessary to supply the goods or services sought by this solicitation.

YES NO

5. Does Proposer have any present or anticipated commitments and/or contractual obligations that might impact its ability to meet the required delivery or performance requirements of this solicitation? If yes, on a separate sheet of paper describe any apparent conflicts as between the requirements/commitments for this solicitation with respect to the use of Proposer's resources, such as management, technical expertise, financing, facilities, equipment, etc.

YES NO

PART IV-CIVIL ACTIONS

If "Yes" to Parts IV or V, provide details on a separate sheet of paper including a brief summary of cause(s) of action; indicate if Proposer, its principals, officers or partners were plaintiffs or defendants; define charges explicitly, by what authority, court or jurisdiction, etc. In the case of tax liens, please indicate whether the liens were resolved with the tax authorities. Please submit proof of payment or agreements to pay the liens. Complete details are required!

1. Violations Of Civil Law. In the past five years has Proposer, any of its principals, officers or partners been the subject of an investigation of any alleged violation of a civil antitrust law, or other federal, state or local civil law?

YES NO

2. Lawsuits With Public Agencies. At the present time is, or during the past five years has Proposer, any of its principals, officers or partners been a plaintiff or defendant in any lawsuit or arbitration regarding services or goods provided to a public agency?

YES NO

3. Bankruptcy. During the past five years, has the Proposer filed for bankruptcy or reorganization under the bankruptcy laws?

YES NO

4. Judgments, Liens And Claims. During the past five years, has the Proposer been the subject of a judgment, lien or claim of \$25,000 or more by a subcontractor or supplier?

YES NO

5. Tax Liens. During the past five years, has the Proposer been the subject of a tax lien by federal, state or any other tax authority?

YES NO

PART V-COMPLIANCE WITH LAWS AND OTHER REGULATIONS

1. Criminal: In the past five years has the Proposer, any of its principals, officers, or partners been convicted or currently charged with any of the following:

A. Fraud in connection with obtaining, attempting to obtain, or performing a public contract, agreement or transaction?

YES NO

B. Federal or state antitrust statutes, including price fixing collusion and bid rigging?

YES NO

C. Embezzlement, theft, forgery, bribery, making false statements, submitting false information, receiving stolen property, or making false claims to any public agency?

YES NO

D. Misrepresenting minority or disadvantaged business entity status with regard to itself or one of its subcontractors?

YES NO

E. Non-compliance with the prevailing wage requirements of the State of Alaska or similar laws of any other state?

YES NO

F. Violation of any law, regulation or agreement relating to a conflict of interest with respect to a government funded procurement?

YES NO

G. Falsification, concealment, withholding and/or destruction of records relating to a public agreement or transaction?

YES NO

H. Violation of a statutory or regulatory provision or requirement applicable to a public or private agreement or transaction?

YES NO

I. Do any principals, officers or partners in Proposer's company have any felony charges pending against them that were filed either before, during, or after their employment with the Proposer?

YES NO

2. Regulatory Compliance. In the past five years, has Proposer or any of its principals, officers or partners:

A. Been cited for a violation of any labor law or regulation, including, but not limited to, child labor violations, failure to pay correct wages, failure to pay into a trust account, failure to remit or pay withheld taxes to tax authorities or unemployment insurance tax delinquencies?

YES NO

B. Been cited and assessed penalties for an OSHA or Alaska/OSHA "serious violation"?

YES NO

C. Been cited for a violation of federal, state or local environmental laws or regulations?

YES NO

D. Failed to comply with Alaska corporate registration, federal, state or local licensing requirements?

YES NO

E. Had its corporate status, business entity's license or any professional certification, suspended, revoked, or had otherwise been prohibited from doing business in the State of Alaska?

YES NO

PART VI -VERIFICATION AND ACKNOWLEDGMENT

The undersigned recognizes that the information submitted in the questionnaire herein is for the express purpose of inducing ARRC to award a contract, or to allow Proposer to participate in ARRC projects as contractor, subcontractor, vendor, supplier, or consultant. The undersigned has read and understands the instructions for completing this Questionnaire.

STATE OF _____

COUNTY OF _____

I, (printed name) _____, being first duly sworn, state that I am the (title) _____ of Proposer. I certify that I have read and understood the questions contained in the attached Questionnaire, and that to the best of my knowledge and belief all information contained herein and submitted concurrently or in supplemental documents with this Questionnaire is complete, current, and true. I further acknowledge that any false, deceptive or fraudulent statements on the Questionnaire will result in denial or termination of a contract.

I authorize ARRC to contact any entity named herein, or any other internal or outside resource, for the purpose of verifying information provided in the Questionnaire or to develop other information deemed relevant by ARRC.

Signature of Certifying Individual

Date

Subscribed and sworn to before me this _____ day of _____, 20__

Signature of Notary

Notary Public in and for the State of _____

My Commission Expires: _____

NOTICE TO PROPOSERS

A material false statement, omission or fraudulent inducement made in connection with this Questionnaire is sufficient cause for denial of a contract award or revocation of a prior contract award, thereby precluding the Proposer from doing business with, or performing work for ARRC, either as a vendor, prime contractor, subcontractor, consultant or subconsultant for a period of five years. In addition, such false submission may subject the person and/or entity making the false statement to criminal charges under applicable state and/or federal law.

ALASKA RAILROAD CORPORATION – SUBCONTRACTOR LIST

[First Tier Subcontractors Only]

The apparent low bidder shall complete this form and submit it so as to be received by the Contracting Officer prior to the close of business on the **Fifth (5th) Working Day** after receipt of written notice from the Alaska Railroad Corporation.

Failure to submit this form with all required information by the due date will result in the bidder being declared non-responsive and may result in the forfeiture of the Bid Security.

Scope of work must be clearly defined. If an item of work is to be performed by more than one (1) firm, indicate the portion or percent of work to be done by each.

Check as applicable: All work on the below-referenced project will be accomplished without subcontracts greater than ½ of 1% of the contract amount, or;
 Subcontractor List is as follows:

| FIRM NAME, ADDRESS, TELEPHONE NUMBER | BUSINESS LICENSE NUMBER AND CONTRACTOR'S REGISTRATION NUMBER | SCOPE OF WORK TO BE PERFORMED | TOTAL DOLLAR AMOUNT OF WORK |
|---|---|----------------------------------|-----------------------------------|
| | | | |
| | | | |
| | | | |

[CONTINUE SUBCONTRACTOR INFORMATION ON REVERSE]

I hereby certify that the above-listed licenses and registrations were valid at the time bids were received for this project. For contracts involving Federal-aid funding, Washington Business License and Contractor Registration will be required prior to award of a subcontract.

COMPANY NAME

SIGNATURE BY AND FOR THE BIDDER

COMPANY ADDRESS

PRINTED NAME OF BIDDER

COMPANY ADDRESS

DATE OF BID

CONTACT PHONE NUMBER

CONTACT E-MAIL ADDRESS

Form 395-0131

ALASKA RAILROAD CORPORATION – SAMPLE CONSTRUCTION CONTRACT

Contract Number: _____ OC

This CONTRACT, between the ALASKA RAILROAD CORPORATION, herein called ARRC, acting by and through its Contracting Officer, and _____

A Corporation, incorporated under the laws of the State of Alaska, its successors and assigns, hereinafter called the Contractor, is effective the date of the signature of the Contracting Officer on this document.

Billing Information: Invoices shall be submitted to Accounts Payable, Alaska Railroad Corporation, PO Box 107500, Anchorage, AK 99510-7500. Please reference your contract number on all invoices and correspondence.

WITNESSETH: That the Contractor, for and in consideration of the payment or payments herein specified and agreed to by ARRC, 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 following project: **ITB #25-71-213958 ARRC MP 102.5 Emergency Repair Culverts** at the prices bid by the Contractor for the respective estimated quantities aggregating approximately the sum of: **Bid amount _____ dollars and /cents (\$_____.00)** for the Base Bid and such other items as are mentioned in the original Bid, which Bid and prices named, together with the Contract Documents (Invitation to Bid, Addenda & Contract) and Contractors Bid are made a part of this Contract and accepted as such, the project being situated in as follows: **Anchorage, Alaska.**

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 shall be allowed by ARRC, nor shall the Contractor do any work or furnish any material not covered by this Contract, unless such work is ordered in writing by ARRC. In no event shall ARRC 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 ARRC. 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 any such written order.

The Contractor further covenants and agrees that all materials shall be furnished and delivered and all labor, equipment, shall be done and performed, in every respect, to the satisfaction of ARRC, by _____.

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 ARRC, to complete the furnishing and delivery of materials and the doing and performance of the work before the aforesaid date, ARRC shall have the right to deduct from any money due or which may become due the Contractor, or if no money shall be due, ARRC shall have the right to recover liquidated damages as spelled out in General Conditions, Construction. The bonds given by the Contractor in the sum of: **100% of Bid Amount \$_____ Payment Bond, and 100% of Bid Amount \$_____ Performance Bond**, to secure the proper compliance with the terms and provisions of this Contract, are submitted herewith and made a part hereof.

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

CONTRACTOR

Name of Contractor

Signature

Date

Name and Title

(Corporate Seal)

ALASKA RAILROAD CORPORATION

Contracting Officer (Signature)

Date

Typed or Print Name

ALASKA RAILROAD CORPORATION – PAYMENT BOND

KNOW ALL PERSONS BY THESE PRESENTS:

That _____
of: _____ as Principal,
and _____
of: _____ as Surety,
firmly bound and held unto the Alaska Railroad Corporation 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 Alaska Railroad Corporation, 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 Alaska Railroad Corporation, on the _____ of _____, 20_____, for _____, said work to be done according to the terms of said contract. **ARRC Project: ITB#25-71-213958 ARRC MP 102.5 Emergency Repair Culverts**

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

IN WITNESS WHEREOF, We have hereunto set our hands and seals this _____ day of _____, 20_____.

Principal: _____

Address: _____

Telephone Number: _____

Contact Name: _____

By: _____

By: _____

Surety: _____

Address: _____

Contact Name: _____

By: _____

By: _____

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

Alaska Railroad Corporation [Authorized Representative]

Date

(Instructions on Next Page)

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, telephone number, and point of contact of the Principal and Surety shall be inserted on the face of the form. Where more than a single surety is involved, a separate form shall be executed for each surety.
3. The penal amount of the bond, or in the case of more than one surety the amount of obligation, shall be entered in words and in figures.
4. 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.

ALASKA RAILROAD CORPORATION – PERFORMANCE BOND

KNOW ALL PERSONS BY THESE PRESENTS:

That _____
of: _____ as Principal,
and _____
of: _____ as Surety,
firmly bound and held unto the Alaska Railroad Corporation 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 Alaska Railroad Corporation, 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 Alaska Railroad Corporation, on the _____ of _____, 20____, for _____, said work to be done according to the terms of said contract. **ARRC Project: ITB#25-71-213958 ARRC MP 102.5 Emergency Repair Culverts.**

NOW, THEREFORE, the conditions of the foregoing obligation is such that if the said Principal shall well and truly perform and complete all obligations and work under said contract and if the Principal shall reimburse upon demand of the Alaska Railroad Corporation any sums paid him/her 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 this _____ day of _____, 20____.

Principal: _____

Address: _____

Telephone Number: _____

Contact Name: _____

By: _____

By: _____

Surety: _____

Address: _____

Contact Name: _____

By: _____

By: _____

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

Alaska Railroad Corporation

[Authorized Representative] Date

(Instructions on Next Page)

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, telephone number, and point of contact of the Principal and Surety shall be inserted on the face of the form. Where more than a single surety is involved, a separate form shall be executed for each surety.
3. The penal amount of the bond, or in the case of more than one surety the amount of obligation, shall be entered in words and in figures.
4. 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.

APPENDIX G

SPECIAL PROVISIONS/COST SCHEDULE - Install New CBD

Work shall be completed in accordance with the project drawings, the statement of services, and the suggested installation procedures as provided by the manufacturer. In the event of technical specification conflicts, the project drawings shall control, unless otherwise noted herein.

It is recommended that the Contractor become familiar with the site conditions and review the Owner provided information prior to bidding the work, so as to make their own assessment of what means and methods will be necessary to complete the work.

All construction shall meet the current industry standards for the work being performed. The Contractor will help the Owner, or its representative perform construction observation and oversight as required to complete the project and provide quality assurance for the project. All work shall meet all the stipulations stated herein and in any governing permits.

Item No. 203.0019 - Unclassified Excavation

Description:

Reference **Section 203 – Excavation and Embankment** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 203.

Modifications: Excavate only as much as required to install the CBD.

Basis of Payment:

| Pay Item | | |
|-------------|-------------------------|------|
| Item Number | Item Description | Unit |
| 203.0019 | Unclassified Excavation | LS |

Item No. 203.0020 - Select Material, Type A

Description:

Reference **Section 203 – Excavation and Embankment** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 203.

Basis of Payment:

| Pay Item | | |
|-------------|-------------------------|------|
| Item Number | Item Description | Unit |
| 203.0020 | Select Material, Type A | LS |

Item No. 203.0020.1 - Select Material, Type C

Description:

Reference **Section 203 – Excavation and Embankment** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 203.

Basis of Payment:

| Pay Item | | |
|-------------|-------------------------|------|
| Item Number | Item Description | Unit |
| 203.0020.1 | Select Material, Type C | LS |

Item No. 301.0007 - Aggregate Base, Grading C-1 (Sub-Ballast)

Description:

Reference **Section 301 – Aggregate Base and Surface Course** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 301.

Basis of Payment:

| Pay Item | | |
|-------------|---|------|
| Item Number | Item Description | Unit |
| 301.0007 | Aggregate Base, Grading C-1 (Sub-Ballast) | LS |

Item No. 309.0003 - Ballast, Type 3

Description:

Reference **Section 309 – Railroad Ballast** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Modifications: Install owner furnished ballast. Ballast stockpile located in Birchwood.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 309.

Basis of Payment:

| Pay Item | | |
|-------------|------------------|------|
| Item Number | Item Description | Unit |
| 309.0003 | Ballast, Type 3 | LS |

Item No. 501.0007 – Precast Concrete Member, One Row Abutment

Description:

Reference **Section 501 – Concrete For Structures** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (EA). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 501.

Modifications: Owner furnished precast pile caps will need to be loaded in Anchorage.

Basis of Payment:

| Pay Item | | |
|-------------|---|------|
| Item Number | Item Description | Unit |
| 501.0007 | Precast Concrete Member, One Row Abutment | EA |

Item No. 501.0007.1 – Precast Concrete Member, 28' CBD

Description:

Reference **Section 501 – Concrete For Structures** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (EA). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 501.

Modifications: Owner furnished spans will need to be loaded in Anchorage.

Basis of Payment:

| Pay Item | | |
|-------------|----------------------------------|------|
| Item Number | Item Description | Unit |
| 501.0007.1 | Precast Concrete Member, 28' CBD | EA |

Item No. 501.0001 – Class A Concrete, Piles

Description:

Reference **Section 501 – Concrete For Structures** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 501.

Basis of Payment:

| Pay Item | | |
|-------------|-------------------------|------|
| Item Number | Item Description | Unit |
| 501.0001 | Class A Concrete, Piles | LS |

Item No. 503.0001 – Reinforcing Steel, 16” ø Cage

Description:

Reference **Section 503 – Reinforcing Steel** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 503.

Basis of Payment:

| Pay Item | | |
|-------------|-------------------------------|------|
| Item Number | Item Description | Unit |
| 503.0001 | Reinforcing Steel, 16” ø Cage | LS |

Item No. 505.0006 – Drive 16”ø x 0.500”t Pipe Pile

Description:

Reference **Section 505 – Piling** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (EA). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 505.

Modifications: Owner furnished 16” pile will need to be loaded in Birchwood. Drive each pile to a 150 Ton bearing capacity. Use standard plans for single row bent with the center pile battered toward the center of span.

Basis of Payment:

| Pay Item | | |
|-------------|--------------------------------|------|
| Item Number | Item Description | Unit |
| 505.0006 | Drive 16”ø x 0.500”t Pipe Pile | EA |

Item No. 505.0009 – Drive Structural Steel Piles. PS31 Sheets, 20’ Length

Description:

Reference **Section 505 – Piling** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (SF). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 505.

Modifications: Owner furnished PS31 sheet piling will need to be loaded in Birchwood. Assume either 20- or 40-foot-long sheets will be provided.

Basis of Payment:

| Pay Item | | |
|-------------|------------------|------|
| Item Number | Item Description | Unit |

| | | |
|----------|---|----|
| 505.0009 | Drive Structural Steel Piles. PS31 Sheets, 20'-0" Length | SF |
|----------|---|----|

Item No. 618.0005 - Seeding

Description:

Grass seed to provide a living vegetative cover.

Modifications:

Section 618-2.01: Add the following; Materials is modified to include the following approved job seed mix and fertilizer.

Seed mix requirements:

- 'Arctared' Red Fescue – 15%
- 'Boreal' Red Fescue – 20%
- 'Notran' Tufted Hairgrass – 40%
- 'Wainwright' Slender Wheatgrass – 15%
- Annual Ryegrass – 10%

Fertilizer:

10N-10P-10K-8.5S (or approved equivalent)

Section 618-3.03 Application is modified to include the following seed and fertilizer application rates:

- Seed on upland areas with slopes less than 3H:1V: 1 pound per 1000 square feet
- Seed on upland areas with slopes greater than 3H:1V: 2 pounds per 1000 square feet
- Fertilizer: 10 pounds per 1000 square feet.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 618.

Basis of Payment:

| Pay Item | | |
|-------------|------------------|------|
| Item Number | Item Description | Unit |
| 618.0005 | Seeding | LS |

Item No. 640.0001 - Mobilization and Demobilization

Description:

Reference **Section 640 – Mobilization and Demobilization** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 640.

Basis of Payment:

| Pay Item | | |
|-------------|---------------------------------|------|
| Item Number | Item Description | Unit |
| 640.0001 | Mobilization and Demobilization | LS |

Item No. 642.0001 - Construction Survey

Description:

Reference **Section 642 – Construction Surveying and Monuments** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Modifications:

Section 642-3.05: Add the following; All calculations used to determine final pay item quantities (e.g., volumes) must be signed and sealed by a Professional Land Surveyor registered in the State of Alaska.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 642.

Basis of Payment:

| Pay Item | | |
|-------------|---------------------|------|
| Item Number | Item Description | Unit |
| 642.0001 | Construction Survey | LS |

Item No. 643.0002 - Traffic Maintenance

Description:

Reference **Section 643 – Traffic Maintenance** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 643.

Basis of Payment:

| Pay Item | | |
|-------------|---------------------|------|
| Item Number | Item Description | Unit |
| 643.0002 | Traffic Maintenance | LS |

Item No. 643.0023 - Traffic Price Adjustment

Description:

Reference **Section 643.0023 – TRAFFIC PRICE ADJUSTMENT** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Modifications:

Section 643.0023: Add the following; All work on ARRC Property shall be conducted in such a manner as to prevent delays to trains or other rail traffic operated by ARRC

Should any of the Permittee/Contractor's or its subcontractor's actions or activities cause delays to trains or other rail or water traffic, the agreed amount of liquidated damages shall be at the following rates and shall be collected from the Permittee/Contractor by ARRC.

| Train Delay Rate Table | | |
|--|-----------------------|-----------------------|
| Type | Dollars / Time | Minimum Charge |
| Passenger Train | \$50 / Minute | \$3,000 |
| All other Rail Traffic | \$50 / Minute | \$1,500 |
| Rail Barges or other Connected Carrier Vessels | \$1,000 / Day | \$6,000 |

Delay time will be taken from the train sheet in ARRC's Dispatcher's Office, Anchorage for all delays and each train sheet shall be the official document by which the length of time a train is delayed will be determined. If another crew is needed to relieve the original crew, the charge shall also apply to the second crew. If such a delay causes a water carrier to miss a sailing, the liquidated damage computation of time covering the period of time to the next possible sailing time shall be in addition to the length of time determined by said train sheet.

Method of Measurement: (CS). Traffic Price Adjustment is shown on the bid schedule, the total value of this contract will be adjusted, for unauthorized train delays or closures, at the rates listed in aforementioned Train Delay Rate Table in accordance with Sections 109 and 643.

Basis of Payment:

| Pay Item | | |
|--------------------|--------------------------|-------------|
| Item Number | Item Description | Unit |
| 643.0023 | Traffic Price Adjustment | CS |

Item No. 646.0001 - CPM Scheduling

Description:

Reference **Section 646 – CPM Scheduling** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Modifications:

Section 646-3.01.3: Add the following; The Contractor must submit a temporary work plan to the owner 8 weeks prior to construction. This must include any environmental impacts that may need to be re-evaluated as deemed necessary by the owner.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 646.

Basis of Payment:

| Pay Item | | |
|--------------------|-------------------------|-------------|
| Item Number | Item Description | Unit |
| 646.0001 | CPM Scheduling | LS |

Item No. 647.0001 - As-Built Drawings and Specifications

Description:

Work includes all equipment, materials, supervision, and labor required to provide project administration, management, record keeping, and work relating to maintaining project record documents for project closeout.

Submit all project record documents prior to application for final payment. Complete payment will not be made to the Contractor unless accurate and complete closeout submittals are received as specified.

Record documents shall be maintained in accordance with this section of the Contract.

Contractor shall maintain one record copy of:

- a. Contract drawings: Legibly mark in ink or indelible pencil, or a record of actual construction including the following information; location of internal utilities and appurtenances concealed in construction referenced to visible and accessible feature of structure, field changes of dimensions and details, changes made by change order or Owner's instructions, and details not on original contract drawings.
- b. Specifications: Mark up each section to record Manufacturer, model, catalog number, and supplier of each product and item of equipment actually installed as well as other matters not originally specified.
- c. Addenda: Provide markups to all addenda, similar to other Contract drawings and specifications.
- d. Change orders and other modifications to the Contract.
- e. Reviewed shop drawings, product data and samples: After review, legibly annotate the shop drawings, product data, and samples to clearly specify what is included in the work.
- f. Field test records.
- g. Inspection certificates.
- h. Manufacturer's certificates.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109.

Basis of Payment:

| Pay Item | | |
|--------------------|---|-------------|
| Item Number | Item Description | Unit |
| 647.0001 | As-Built Record Drawings and Specifications | LS |

APPENDIX J (G)

COST SCHEDULE FOR: Install New CBD

COST SCHEDULE: A Bidder's Failure to provide the information requested in this Appendix may be cause for rejection of the bid on the basis on non-responsiveness. Cost shall be bid in accordance with all specifications and any Technical Specifications incorporated herein.

AWARD CRITERIA: A contract award resulting from this solicitation may be made to the low, responsive, responsible bidder who meets the requirements as set forth in the Plans and specifications and compliance thereof, ARRC reserves the right to determine and select whichever method deemed by the Contract Administrator to be in the best interest of the ARRC. The successful bidder shall hold unit prices of all methods firm for a period of thirty (30) days from the date of bid opening. Award is contingent on the availability of ARRC funds.

| SCHEDULE OF VALUES | | | | | |
|---------------------------|--|------|----------|----------------|------------|
| Item No. | Item Description | Unit | Quantity | Unit Bid Price | Amount Bid |
| 203.0019 | Unclassified Excavation | LS | 1 | | |
| 203.0020 | Selected Material, Type A | LS | 1 | | |
| 203.0020.1 | Selected Material, Type C | LS | 1 | | |
| 301.0007 | Aggregate Base Course, Grading C-1 (Sub Ballast) | LS | 1 | | |
| 309.0003 | Railroad Ballast, Type 3 | LS | 1 | | |
| 501.0007 | Precast Concrete Member, One Row Abutment | EA | 2 | | |
| 501.0007.1 | Precast Concrete Member, 28' CBD | EA | 1 | | |
| 501.0001 | Class A Concrete, Piles | LS | 1 | | |
| 503.0001 | Reinforcing Steel, 16" ø Cage | LS | 1 | | |
| 505.0006 | Drive 16"ø x 0.500"t Pipe Pile | EA | 6 | | |
| 505.0009 | Drive Structural Steel Piles. PS31 Sheets, 20'-0" Length | SF | 3,360 | | |
| 618.0005 | Seeding | LS | 1 | | |
| 630.0001 | Geotextile, Separation, Class 3 | SY | 167 | | |
| 640.0001 | Mobilization and Demobilization | LS | 1 | | |
| 642.0001 | Construction Surveying | LS | 1 | | |
| 643.0001 | Traffic Maintenance | LS | 1 | | |

| SCHEDULE OF VALUES | | | | | |
|---------------------------|--------------------------------------|-------------|-----------------|-----------------------|-------------------|
| Item No. | Item Description | Unit | Quantity | Unit Bid Price | Amount Bid |
| 643.0023 | Traffic Price Adjustment | CS | 1 | | |
| 646.0001 | CPM Scheduling | LS | 1 | | |
| 647.0001 | As-Built Drawings and Specifications | LS | 1 | | |
| Total Bid: | | | | | |

Notes:

¹ Bid quantities are approximate. Contractor is responsible for their own quantity take-offs using the information within the Contract Documents to verify the quantities in the Bid Schedule.

² Refer to Drawings for contingent sum quantities estimated. Contingent sum items may be measured in discrete units as agreed to by the Owner for quantities exceeding the estimated value.

NON-COLLUSION AFFIDAVIT: The Undersigned declares, under penalty of perjury under the laws of the United States, that neither he/she nor the firm, association, or corporation of which he/she 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 competitive bidding in connection with this Bid.

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

BIDDERS NAME AND ADDRESS

COMPANY NAME

SIGNATURE BY AND FOR THE BIDDER

COMPANY MAILING ADDRESS

PRINTED NAME OF ABOVE BIDDER

CITY, STATE ZIP CODE

DATE OF BID

CONTACT PHONE NUMBER

CONTACT E-MAIL

SUBMITTAL REGISTER

The following submittal register is provided as a guide for anticipated submittals provided by the Contractor throughout the project. The Contractor is responsible for reviewing the entire contract documents to ensure submittals are completed in accordance with the contract documents. No additional payment will be provided for submittals not included in the Submittal Register. Additional submittals not listed herein may be required.

| Specification / Sheet No | Submittal Description |
|-----------------------------|--|
| SSC 109-1.06.2 | Schedule of Values |
| SSC 107-1.15 | Safety Plan |
| SSC 103-1.02 | Proposed Subcontractor List |
| SSC 103-1.02 | Sub-Contractor Scopes of work (Proposals) |
| SSC 646 | CPM Scheduling |
| SSC 105-1.05 | 24 Hour Contact Information |
| SSC 646 | Contractor anticipated submittal list |
| SSC 103-1.06 | Certificate of Insurance |
| SSC 103-1.05 | Builders Risk |
| all relevant work items | Quality Control Plan('s) |
| SSC 641 / 107-1.02 | SWPPP, Permits |
| SSC 202-3.03 / SSC 801-1.07 | Track Outage Work Plan(s) |
| SSC 643 | Traffic Control Plan |
| SSC 504-3.01 | Weld Plan |
| SSC 504-3.01 | Welders Certificates |
| SSC 309-3.02 | Compaction Results for Railroad Ballast |
| SSC 203-3.04 | Compaction Results for Sub ballast (C-1) |
| SSC 703-2.03 | Sub-ballast (C-1) material Certificates |
| SSC 203-3.04 | Compaction Results for Sub-ballast (Grading A) |
| SSC 703-2.09 | Sub-ballast (Grading A) Material Cert |
| SSC 611-2.01 | Riprap Material Cert |
| SSC 724-2.02 | Seeding Mix |
| SSC 726-2.01 | Topsoil Material Cert |
| SSC 640-1.01 | As-Built Drawings |
| SSC 106-1.05 | Other Material Certifications |

APPENDIX H

SPECIAL PROVISIONS - Partial Replacement with Steel Pipe

Work shall be completed in accordance with the project drawings, the statement of services, and the suggested installation procedures as provided by the manufacturer. In the event of technical specification conflicts, the project drawings shall control, unless otherwise noted herein.

It is recommended that the Contractor become familiar with the site conditions and review the Owner provided information prior to bidding the work, so as to make their own assessment of what means and methods will be necessary to complete the work.

All construction shall meet the current industry standards for the work being performed. The Contractor will help the Owner, or its representative perform construction observation and oversight as required to complete the project and provide quality assurance for the project. All work shall meet all the stipulations stated herein and in any governing permits.

Item No. 202.0018 – Removal of Culvert Pipe

Description:

Reference **Section 202 – REMOVAL OF STRUCTURES AND OBSTRUCTIONS** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 202.

Basis of Payment:

| Pay Item | | |
|-------------|-------------------------|------|
| Item Number | Item Description | Unit |
| 202.0018 | Removal of Culvert Pipe | LS |

Item No. 203.0019 - Unclassified Excavation

Description:

Reference **Section 203 – Excavation and Embankment** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 203.

Basis of Payment:

| Pay Item | | |
|-------------|-------------------------|------|
| Item Number | Item Description | Unit |
| 203.0019 | Unclassified Excavation | LS |

Item No. 203.0020 - Select Material, Type A

Description:

Reference **Section 203 – Excavation and Embankment** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 203.

Basis of Payment:

| Pay Item | | |
|-------------|-------------------------|------|
| Item Number | Item Description | Unit |
| 203.0020 | Select Material, Type A | LS |

Item No. 203.0020.1 - Select Material, Type C

Description:

Reference **Section 203 – Excavation and Embankment** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 203.

Basis of Payment:

| Pay Item | | |
|-------------|-------------------------|------|
| Item Number | Item Description | Unit |
| 203.0020.1 | Select Material, Type C | LS |

Item No. 301.0007 - Aggregate Base, Grading C-1 (Sub-Ballast)

Description:

Reference **Section 301 – Aggregate Base and Surface Course** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 301.

Basis of Payment:

| Pay Item | | |
|-------------|---|------|
| Item Number | Item Description | Unit |
| 301.0007 | Aggregate Base, Grading C-1 (Sub-Ballast) | LS |

Item No. 309.0003 - Ballast, Type 3

Description:

Reference **Section 309 – Railroad Ballast** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Modifications: Install owner furnished ballast. Ballast stockpile located in Birchwood.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 309.

Basis of Payment:

| Pay Item | | |
|-------------|------------------|------|
| Item Number | Item Description | Unit |
| 309.0003 | Ballast, Type 3 | LS |

Item No. 505.0005 - Furnish SSP Culvert

Description:

Reference **Section 505 – Piling** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LF). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 505.

Modifications: See scope of work for minimum requirements. Further, provided detailed plan, for ARRC approval, for fish baffles installed in the new SSP to slow discharge velocities and promote fish passage.

Basis of Payment:

| Pay Item | | |
|-------------|---------------------|------|
| Item Number | Item Description | Unit |
| 505.0005.1 | Furnish SSP Culvert | LF |

Item No. 603.0017 - Install SSP Culvert

Description:

Reference **Section 603 – Culverts and Storm Drains** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Modifications: Provide detailed plan, for ARRC approval, for splicing joints between cutoff pipe and the new pipe. The joint must be watertight, secure, and have an overlap where the new pipe fits over the existing pipe by at least 3-Feet.

Section 603-3.03: Add the following section; 4. Smooth Steel Pipe – Make any field splices in accordance with section 505-3.04.

Method of Measurement: (LF). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 603.

Basis of Payment:

| Pay Item | | |
|-------------|---------------------|------|
| Item Number | Item Description | Unit |
| 603.0017 | Install SSP Culvert | LF |

Item No. 611.0003 - Riprap, Class 1

Description:

Reference **Section 611 – Riprap** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 611.

Modifications: Provide detailed plan, for ARRC approval, for armoring culvert outfalls.

Basis of Payment:

| Pay Item | | |
|-------------|------------------|------|
| Item Number | Item Description | Unit |
| 611.0003 | Riprap, Class 1 | LS |

Item No. 618.0005 - Seeding

Description:

Grass seed to provide a living vegetative cover.

Modifications:

Section 618-2.01: Add the following; Materials is modified to include the following approved job seed mix and fertilizer.

Seed mix requirements:

- 'Arctared' Red Fescue – 15%
- 'Boreal' Red Fescue – 20%
- 'Notran' Tufted Hairgrass – 40%
- 'Wainwright' Slender Wheatgrass – 15%
- Annual Ryegrass – 10%

Fertilizer:

10N-10P-10K-8.5S (or approved equivalent)

Section 618-3.03 Application is modified to include the following seed and fertilizer application rates:

- Seed on upland areas with slopes less than 3H:1V: 1 pound per 1000 square feet
- Seed on upland areas with slopes greater than 3H:1V: 2 pounds per 1000 square feet
- Fertilizer: 10 pounds per 1000 square feet.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 618.

Basis of Payment:

| Pay Item | | |
|-------------|------------------|------|
| Item Number | Item Description | Unit |
| 618.0005 | Seeding | LS |

Item No. 630.0001 - Geotextile, Separation, Class 3

Description:

Reference **Section 630 – Geotextile for Embankment and Roadway Separation, Stabilization and Reinforcement** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (SY). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 630.

Basis of Payment:

| Pay Item | | |
|-------------|---------------------------------|------|
| Item Number | Item Description | Unit |
| 630.0001 | Geogrid, Stabilization, Class 1 | SY |

Item No. 640.0001 - Mobilization and Demobilization

Description:

Reference **Section 640 – Mobilization and Demobilization** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 640.

Basis of Payment:

| Pay Item | | |
|-------------|---------------------------------|------|
| Item Number | Item Description | Unit |
| 640.0001 | Mobilization and Demobilization | LS |

Item No. 642.0001 - Construction Survey

Description:

Reference **Section 642 – Construction Surveying and Monuments** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Modifications:

Section 642-3.05: Add the following; All calculations used to determine final pay item quantities (e.g., volumes) must be signed and sealed by a Professional Land Surveyor registered in the State of Alaska.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 642.

Basis of Payment:

| Pay Item | | |
|-------------|---------------------|------|
| Item Number | Item Description | Unit |
| 642.0001 | Construction Survey | LS |

Item No. 643.0002 - Traffic Maintenance

Description:

Reference **Section 643 – Traffic Maintenance** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 643.

Basis of Payment:

| Pay Item | | |
|-------------|---------------------|------|
| Item Number | Item Description | Unit |
| 643.0002 | Traffic Maintenance | LS |

Item No. 643.0023 - Traffic Price Adjustment

Description:

Reference **Section 643.0023 – TRAFFIC PRICE ADJUSTMENT** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Modifications:

Section 643.0023: Add the following; All work on ARRC Property shall be conducted in such a manner as to prevent delays to trains or other rail traffic operated by ARRC

Should any of the Permittee/Contractor's or its subcontractor's actions or activities cause delays to trains or other rail or water traffic, the agreed amount of liquidated damages shall be at the following rates and shall be collected from the Permittee/Contractor by ARRC.

| Train Delay Rate Table | | |
|--|----------------|----------------|
| Type | Dollars / Time | Minimum Charge |
| Passenger Train | \$50 / Minute | \$3,000 |
| All other Rail Traffic | \$50 / Minute | \$1,500 |
| Rail Barges or other Connected Carrier Vessels | \$1,000 / Day | \$6,000 |

Delay time will be taken from the train sheet in ARRC's Dispatcher's Office, Anchorage for all delays and each train sheet shall be the official document by which the length of time a train is delayed will be determined. If another crew is needed to relieve the original crew, the charge shall also apply to the second crew. If such a delay causes a water carrier to miss a sailing, the liquidated damage computation of time covering the period of time to the next possible sailing time shall be in addition to the length of time determined by said train sheet.

Method of Measurement: (CS). Traffic Price Adjustment is shown on the bid schedule, the total value of this contract will be adjusted, for unauthorized train delays or closures, at the rates listed in aforementioned Train Delay Rate Table in accordance with Sections 109 and 643.

Basis of Payment:

| Pay Item | | |
|-------------|--------------------------|------|
| Item Number | Item Description | Unit |
| 643.0023 | Traffic Price Adjustment | CS |

Item No. 646.0001 - CPM Scheduling

Description:

Reference **Section 646 – CPM Scheduling** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Modifications:

Section 646-3.01.3: Add the following; The Contractor must submit a temporary work plan to the owner 8 weeks prior to construction. This must include any environmental impacts that may need to be re-evaluated as deemed necessary by the owner.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 646.

Basis of Payment:

| Pay Item | | |
|-------------|------------------|------|
| Item Number | Item Description | Unit |
| 646.0001 | CPM Scheduling | LS |

Item No. 647.0001 - As-Built Drawings and Specifications

Description:

Work includes all equipment, materials, supervision, and labor required to provide project administration, management, record keeping, and work relating to maintaining project record documents for project closeout.

Submit all project record documents prior to application for final payment. Complete payment will not be made to the Contractor unless accurate and complete closeout submittals are received as specified.

Record documents shall be maintained in accordance with this section of the Contract.

Contractor shall maintain one record copy of:

- i. Contract drawings: Legibly mark in ink or indelible pencil, or a record of actual construction including the following information; location of internal utilities and appurtenances concealed in construction referenced to visible and accessible feature of structure, field changes of dimensions and details, changes made by change order or Owner’s instructions, and details not on original contract drawings.

- j. Specifications: Mark up each section to record Manufacturer, model, catalog number, and supplier of each product and item of equipment actually installed as well as other matters not originally specified.
- k. Addenda: Provide markups to all addenda, similar to other Contract drawings and specifications.
- l. Change orders and other modifications to the Contract.
- m. Reviewed shop drawings, product data and samples: After review, legibly annotate the shop drawings, product data, and samples to clearly specify what is included in the work.
- n. Field test records.
- o. Inspection certificates.
- p. Manufacturer's certificates.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109.

Basis of Payment:

| Pay Item | | |
|--------------------|---|-------------|
| Item Number | Item Description | Unit |
| 647.0001 | As-Built Record Drawings and Specifications | LS |

APPENDIX J (H)

COST SCHEDULE FOR: Partial Replacement with Steel Pipe

COST SCHEDULE: A Bidder's Failure to provide the information requested in this Appendix may be cause for rejection of the bid on the basis on non-responsiveness. Cost shall be bid in accordance with all specifications and any Technical Specifications incorporated herein.

AWARD CRITERIA: A contract award resulting from this solicitation may be made to the low, responsive, responsible bidder who meets the requirements as set forth in the Plans and specifications and compliance thereof, ARRC reserves the right to determine and select whichever method deemed by the Contract Administrator to be in the best interest of the ARRC. The successful bidder shall hold unit prices of all methods firm for a period of thirty (30) days from the date of bid opening. Award is contingent on the availability of ARRC funds.

| SCHEDULE OF VALUES | | | | | |
|--------------------|--|------|----------|----------------|------------|
| Item No. | Item Description | Unit | Quantity | Unit Bid Price | Amount Bid |
| 202.0018 | Removal of Culvert Pipe | LS | 1 | | |
| 203.0019 | Unclassified Excavation | LS | 1 | | |
| 203.0020 | Selected Material, Type A | LS | 1 | | |
| 203.0020.1 | Selected Material, Type C | LS | 1 | | |
| 301.0007 | Aggregate Base Course, Grading C-1 (Sub Ballast) | LS | 1 | | |
| 309.0003 | Railroad Ballast, Type 3 | LS | 1 | | |
| 505.0005 | Furnish SSP Culvert | LF | 180 | | |
| 603.0017 | Install SSP Culvert | LF | 180 | | |
| 611.0003 | Riprap, Class 1 | LS | 1 | | |
| 618.0005 | Seeding | LS | 1 | | |
| 630.0001 | Geotextile, Separation, Class 3 | SY | 167 | | |
| 640.0001 | Mobilization and Demobilization | LS | 1 | | |
| 642.0001 | Construction Surveying | LS | 1 | | |
| 643.0001 | Traffic Maintenance | LS | 1 | | |
| 643.0023 | Traffic Price Adjustment | CS | 1 | | |
| 646.0001 | CPM Scheduling | LS | 1 | | |
| 647.0001 | As-Built Drawings and Specifications | LS | 1 | | |

| | |
|-------------------|--|
| Total Bid: | |
| | |

Notes:

¹ Bid quantities are approximate. Contractor is responsible for their own quantity take-offs using the information within the Contract Documents to verify the quantities in the Bid Schedule.

² Refer to Drawings for contingent sum quantities estimated. Contingent sum items may be measured in discrete units as agreed to by the Owner for quantities exceeding the estimated value.

NON-COLLUSION AFFIDAVIT: The Undersigned declares, under penalty of perjury under the laws of the United States, that neither he/she nor the firm, association, or corporation of which he/she 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 competitive bidding in connection with this Bid.

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

BIDDERS NAME AND ADDRESS

COMPANY NAME

SIGNATURE BY AND FOR THE BIDDER

COMPANY MAILING ADDRESS

PRINTED NAME OF ABOVE BIDDER

CITY, STATE ZIP CODE

DATE OF BID

CONTACT PHONE NUMBER

CONTACT E-MAIL

SUBMITTAL REGISTER

The following submittal register is provided as a guide for anticipated submittals provided by the Contractor throughout the project. The Contractor is responsible for reviewing the entire contract documents to ensure submittals are completed in accordance with the contract documents. No additional payment will be provided for submittals not included in the Submittal Register. Additional submittals not listed herein may be required.

| Specification / Sheet No | Submittal Description |
|-----------------------------|--|
| SSC 109-1.06.2 | Schedule of Values |
| SSC 107-1.15 | Safety Plan |
| SSC 103-1.02 | Proposed Subcontractor List |
| SSC 103-1.02 | Sub-Contractor Scopes of work (Proposals) |
| SSC 646 | CPM Scheduling |
| SSC 105-1.05 | 24 Hour Contact Information |
| SSC 646 | Contractor anticipated submittal list |
| SSC 103-1.06 | Certificate of Insurance |
| SSC 103-1.05 | Builders Risk |
| all relevant work items | Quality Control Plan('s) |
| SSC 641 / 107-1.02 | SWPPP, Permits |
| SSC 202-3.03 / SSC 801-1.07 | Track Outage Work Plan(s) |
| SSC 643 | Traffic Control Plan |
| SSC 603-3.02 | Culvert Installation Plan |
| SSC 202-3.03 | Culvert Removal Plan |
| SSC 505-2.01 | SSP Culvert Material Cert (Pipe Pile) |
| SSC 504-3.01 | Weld Plan |
| SSC 504-3.01 | Welders Certificates |
| SSC 309-3.02 | Compaction Results for Railroad Ballast |
| SSC 203-3.04 | Compaction Results for Sub ballast (C-1) |
| SSC 703-2.03 | Sub-ballast (C-1) material Certificates |
| SSC 203-3.04 | Compaction Results for Sub-ballast (Grading A) |
| SSC 703-2.09 | Sub-ballast (Grading A) Material Cert |
| SSC 611-2.01 | Riprap Material Cert |
| SSC 729-2.01 / SSC 630 | Geotextile Material Cert |
| SSC 724-2.02 | Seeding Mix |
| SSC 726-2.01 | Topsoil Material Cert |
| SSC 640-1.01 | As-Built Drawings |
| SSC 106-1.05 | Other Material Certifications |

APPENDIX I

SPECIAL PROVISIONS - Partial Replacement with CMP

Work shall be completed in accordance with the project drawings, the statement of services, and the suggested installation procedures as provided by the manufacturer. In the event of technical specification conflicts, the project drawings shall control, unless otherwise noted herein.

It is recommended that the Contractor become familiar with the site conditions and review the Owner provided information prior to bidding the work, so as to make their own assessment of what means and methods will be necessary to complete the work.

All construction shall meet the current industry standards for the work being performed. The Contractor will help the Owner, or its representative perform construction observation and oversight as required to complete the project and provide quality assurance for the project. All work shall meet all the stipulations stated herein and in any governing permits.

Item No. 202.0018 – Removal of Culvert Pipe

Description:

Reference **Section 202 – REMOVAL OF STRUCTURES AND OBSTRUCTIONS** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 202.

Basis of Payment:

| Pay Item | | |
|-------------|-------------------------|------|
| Item Number | Item Description | Unit |
| 202.0018 | Removal of Culvert Pipe | LS |

Item No. 203.0019 - Unclassified Excavation

Description:

Reference **Section 203 – Excavation and Embankment** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 203.

Basis of Payment:

| Pay Item | | |
|-------------|-------------------------|------|
| Item Number | Item Description | Unit |
| 203.0019 | Unclassified Excavation | LS |

Item No. 203.0020 - Select Material, Type A

Description:

Reference **Section 203 – Excavation and Embankment** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 203.

Basis of Payment:

| Pay Item | | |
|-------------|-------------------------|------|
| Item Number | Item Description | Unit |
| 203.0020 | Select Material, Type A | LS |

Item No. 203.0020.1 - Select Material, Type C

Description:

Reference **Section 203 – Excavation and Embankment** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 203.

Basis of Payment:

| Pay Item | | |
|-------------|-------------------------|------|
| Item Number | Item Description | Unit |
| 203.0020.1 | Select Material, Type C | LS |

Item No. 301.0007 - Aggregate Base, Grading C-1 (Sub-Ballast)

Description:

Reference **Section 301 – Aggregate Base and Surface Course** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 301.

Basis of Payment:

| Pay Item | | |
|-------------|---|------|
| Item Number | Item Description | Unit |
| 301.0007 | Aggregate Base, Grading C-1 (Sub-Ballast) | LS |

Item No. 309.0003 - Ballast, Type 3

Description:

Reference **Section 309 – Railroad Ballast** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Modifications: Install owner furnished ballast. Ballast stockpile located in Birchwood.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 309.

Basis of Payment:

| Pay Item | | |
|-------------|------------------|------|
| Item Number | Item Description | Unit |
| 309.0003 | Ballast, Type 3 | LS |

Item No. 603.0001 - Furnish CMP Culvert

Description:

Reference **Section 603 – Culverts and Storm Drains** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LF). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 603.

Modifications: See scope of work for minimum CMP requirements. For ARRC approval, provide manufacturers' certifications showing that the pipe meets Cooper E80 wheel loading per AREMA and has a lifespan of at least 40 years, in brackish water. Also provide the proposed size to accommodate swallowing the existing culvert ends as described herein.

Basis of Payment:

| Pay Item | | |
|-------------|---------------------|------|
| Item Number | Item Description | Unit |
| 603.0001 | Furnish CMP Culvert | LF |

Item No. 603.0001.1 - Install CMP Culvert

Description:

Reference **Section 603 – Culverts and Storm Drains** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Modifications: Provide detailed plan, for ARRC approval, for splicing joints between cutoff pipe and the new pipe. The joint must be watertight, secure, and have an overlap where the new pipe fits over the existing pipe by at least 3-Feet.

Method of Measurement: (LF). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 603.

Basis of Payment:

| Pay Item | | |
|-------------|---------------------|------|
| Item Number | Item Description | Unit |
| 603.0001.1 | Install CMP Culvert | LF |

Item No. 611.0003 - Riprap, Class 1

Description:

Reference **Section 611 – Riprap** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 611.

Modifications: Provide detailed plan, for ARRC approval, for armoring culvert outfalls.

Basis of Payment:

| Pay Item | | |
|-------------|------------------|------|
| Item Number | Item Description | Unit |
| 611.0003 | Riprap, Class 1 | LS |

Item No. 618.0005 - Seeding

Description:

Grass seed to provide a living vegetative cover.

Modifications:

Section 618-2.01: Add the following; Materials is modified to include the following approved job seed mix and fertilizer.

Seed mix requirements:

- 'Arctared' Red Fescue – 15%
- 'Boreal' Red Fescue – 20%
- 'Notran' Tufted Hairgrass – 40%
- 'Wainwright' Slender Wheatgrass – 15%
- Annual Ryegrass – 10%

Fertilizer:

10N-10P-10K-8.5S (or approved equivalent)

Section 618-3.03 Application is modified to include the following seed and fertilizer application rates:

- Seed on upland areas with slopes less than 3H:1V: 1 pound per 1000 square feet
- Seed on upland areas with slopes greater than 3H:1V: 2 pounds per 1000 square feet
- Fertilizer: 10 pounds per 1000 square feet.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 618.

Basis of Payment:

| Pay Item | | |
|-------------|------------------|------|
| Item Number | Item Description | Unit |
| 618.0005 | Seeding | LS |

Item No. 630.0001 - Geotextile, Separation, Class 3

Description:

Reference **Section 630 – Geotextile for Embankment and Roadway Separation, Stabilization and Reinforcement** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (SY). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 630.

Basis of Payment:

| Pay Item | | |
|-------------|---------------------------------|------|
| Item Number | Item Description | Unit |
| 630.0001 | Geogrid, Stabilization, Class 1 | SY |

Item No. 640.0001 - Mobilization and Demobilization

Description:

Reference **Section 640 – Mobilization and Demobilization** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 640.

Basis of Payment:

| Pay Item | | |
|-------------|---------------------------------|------|
| Item Number | Item Description | Unit |
| 640.0001 | Mobilization and Demobilization | LS |

Item No. 642.0001 - Construction Survey

Description:

Reference **Section 642 – Construction Surveying and Monuments** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Modifications:

Section 642-3.05: Add the following; All calculations used to determine final pay item quantities (e.g., volumes) must be signed and sealed by a Professional Land Surveyor registered in the State of Alaska.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 642.

Basis of Payment:

| Pay Item | | |
|-------------|---------------------|------|
| Item Number | Item Description | Unit |
| 642.0001 | Construction Survey | LS |

Item No. 643.0002 - Traffic Maintenance

Description:

Reference **Section 643 – Traffic Maintenance** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 643.

Basis of Payment:

| Pay Item | | |
|-------------|---------------------|------|
| Item Number | Item Description | Unit |
| 643.0002 | Traffic Maintenance | LS |

Item No. 643.0023 - Traffic Price Adjustment

Description:

Reference **Section 643.0023 – TRAFFIC PRICE ADJUSTMENT** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Modifications:

Section 643.0023: Add the following; All work on ARRC Property shall be conducted in such a manner as to prevent delays to trains or other rail traffic operated by ARRC

Should any of the Permittee/Contractor's or its subcontractor's actions or activities cause delays to trains or other rail or water traffic, the agreed amount of liquidated damages shall be at the following rates and shall be collected from the Permittee/Contractor by ARRC.

| Train Delay Rate Table | | |
|--|----------------|----------------|
| Type | Dollars / Time | Minimum Charge |
| Passenger Train | \$50 / Minute | \$3,000 |
| All other Rail Traffic | \$50 / Minute | \$1,500 |
| Rail Barges or other Connected Carrier Vessels | \$1,000 / Day | \$6,000 |

Delay time will be taken from the train sheet in ARRC's Dispatcher's Office, Anchorage for all delays and each train sheet shall be the official document by which the length of time a train is delayed will be determined. If another crew is needed to relieve the original crew, the charge shall also apply to the second crew. If such a delay causes a water carrier to miss a sailing, the liquidated damage computation of time covering the period of time to the next possible sailing time shall be in addition to the length of time determined by said train sheet.

Method of Measurement: (CS). Traffic Price Adjustment is shown on the bid schedule, the total value of this contract will be adjusted, for unauthorized train delays or closures, at the rates listed in aforementioned Train Delay Rate Table in accordance with Sections 109 and 643.

Basis of Payment:

| Pay Item | | |
|-------------|--------------------------|------|
| Item Number | Item Description | Unit |
| 643.0023 | Traffic Price Adjustment | CS |

Item No. 646.0001 - CPM Scheduling

Description:

Reference **Section 646 – CPM Scheduling** in the Alaska Railroad Standard Specifications for Construction – 2025 Edition.

Modifications:

Section 646-3.01.3: Add the following; The Contractor must submit a temporary work plan to the owner 8 weeks prior to construction. This must include any environmental impacts that may need to be re-evaluated as deemed necessary by the owner.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109 and 646.

Basis of Payment:

| Pay Item | | |
|-------------|------------------|------|
| Item Number | Item Description | Unit |
| 646.0001 | CPM Scheduling | LS |

Item No. 647.0001 - As-Built Drawings and Specifications

Description:

Work includes all equipment, materials, supervision, and labor required to provide project administration, management, record keeping, and work relating to maintaining project record documents for project closeout.

Submit all project record documents prior to application for final payment. Complete payment will not be made to the Contractor unless accurate and complete closeout submittals are received as specified.

Record documents shall be maintained in accordance with this section of the Contract.

Contractor shall maintain one record copy of:

- q. Contract drawings: Legibly mark in ink or indelible pencil, or a record of actual construction including the following information; location of internal utilities and appurtenances concealed in construction referenced to visible and accessible feature of structure, field changes of dimensions and details, changes made by change order or Owner’s instructions, and details not on original contract drawings.

- r. Specifications: Mark up each section to record Manufacturer, model, catalog number, and supplier of each product and item of equipment actually installed as well as other matters not originally specified.
- s. Addenda: Provide markups to all addenda, similar to other Contract drawings and specifications.
- t. Change orders and other modifications to the Contract.
- u. Reviewed shop drawings, product data and samples: After review, legibly annotate the shop drawings, product data, and samples to clearly specify what is included in the work.
- v. Field test records.
- w. Inspection certificates.
- x. Manufacturer's certificates.

Method of Measurement: (LS). Compensation shall be paid for at the agreed upon unit price and in accordance with Sections 109.

Basis of Payment:

| Pay Item | | |
|--------------------|---|-------------|
| Item Number | Item Description | Unit |
| 647.0001 | As-Built Record Drawings and Specifications | LS |

APPENDIX J (I)

COST SCHEDULE FOR: Partial Replacement with CMP

COST SCHEDULE: A Bidder's Failure to provide the information requested in this Appendix may be cause for rejection of the bid on the basis on non-responsiveness. Cost shall be bid in accordance with all specifications and any Technical Specifications incorporated herein.

AWARD CRITERIA: A contract award resulting from this solicitation may be made to the low, responsive, responsible bidder who meets the requirements as set forth in the Plans and specifications and compliance thereof, ARRC reserves the right to determine and select whichever method deemed by the Contract Administrator to be in the best interest of the ARRC. The successful bidder shall hold unit prices of all methods firm for a period of thirty (30) days from the date of bid opening. Award is contingent on the availability of ARRC funds.

| SCHEDULE OF VALUES | | | | | |
|---------------------------|--|------|----------|----------------|------------|
| Item No. | Item Description | Unit | Quantity | Unit Bid Price | Amount Bid |
| 202.0018 | Removal of Culvert Pipe | LS | 1 | | |
| 203.0019 | Unclassified Excavation | LS | 1 | | |
| 203.0020 | Selected Material, Type A | LS | 1 | | |
| 203.0020.1 | Selected Material, Type C | LS | 1 | | |
| 301.0007 | Aggregate Base Course, Grading C-1 (Sub Ballast) | LS | 1 | | |
| 309.0003 | Railroad Ballast, Type 3 | LS | 1 | | |
| 603.0001 | Furnish CMP Culvert | LF | 180 | | |
| 603.0001.1 | Install CMP Culvert | LF | 180 | | |
| 611.0003 | Riprap, Class 1 | LS | 1 | | |
| 618.0005 | Seeding | LS | 1 | | |
| 630.0001 | Geotextile, Separation, Class 3 | SY | 167 | | |
| 640.0001 | Mobilization and Demobilization | LS | 1 | | |
| 642.0001 | Construction Surveying | LS | 1 | | |
| 643.0001 | Traffic Maintenance | LS | 1 | | |
| 643.0023 | Traffic Price Adjustment | CS | 1 | | |
| 646.0001 | CPM Scheduling | LS | 1 | | |
| 647.0001 | As-Built Drawings and Specifications | LS | 1 | | |

| | |
|-------------------|--|
| Total Bid: | |
|-------------------|--|

Notes:

¹ Bid quantities are approximate. Contractor is responsible for their own quantity take-offs using the information within the Contract Documents to verify the quantities in the Bid Schedule.

² Refer to Drawings for contingent sum quantities estimated. Contingent sum items may be measured in discrete units as agreed to by the Owner for quantities exceeding the estimated value.

NON-COLLUSION AFFIDAVIT: The Undersigned declares, under penalty of perjury under the laws of the United States, that neither he/she nor the firm, association, or corporation of which he/she 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 competitive bidding in connection with this Bid.

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

BIDDERS NAME AND ADDRESS

COMPANY NAME

SIGNATURE BY AND FOR THE BIDDER

COMPANY MAILING ADDRESS

PRINTED NAME OF ABOVE BIDDER

CITY, STATE ZIP CODE

DATE OF BID

CONTACT PHONE NUMBER

CONTACT E-MAIL

SUBMITTAL REGISTER

The following submittal register is provided as a guide for anticipated submittals provided by the Contractor throughout the project. The Contractor is responsible for reviewing the entire contract documents to ensure submittals are completed in accordance with the contract documents. No additional payment will be provided for submittals not included in the Submittal Register. Additional submittals not listed herein may be required.

| Specification / Sheet No | Submittal Description |
|-----------------------------|--|
| SSC 109-1.06.2 | Schedule of Values |
| SSC 107-1.15 | Safety Plan |
| SSC 103-1.02 | Proposed Subcontractor List |
| SSC 103-1.02 | Sub-Contractor Scopes of work (Proposals) |
| SSC 646 | CPM Scheduling |
| SSC 105-1.05 | 24 Hour Contact Information |
| SSC 646 | Contractor anticipated submittal list |
| SSC 103-1.06 | Certificate of Insurance |
| SSC 103-1.05 | Builders Risk |
| all relevant work items | Quality Control Plan('s) |
| SSC 641 / 107-1.02 | SWPPP, Permits |
| SSC 202-3.03 / SSC 801-1.07 | Track Outage Work Plan(s) |
| SSC 643 | Traffic Control Plan |
| SSC 603-3.02 | Culvert Installation Plan |
| SSC 202-3.03 | Culvert Removal Plan |
| SSC 603-2.01 | Culvert Material Cert |
| SSC 309-3.02 | Compaction Results for Railroad Ballast |
| SSC 203-3.04 | Compaction Results for Sub ballast (C-1) |
| SSC 703-2.03 | Sub-ballast (C-1) material Certificates |
| SSC 203-3.04 | Compaction Results for Sub-ballast (Grading A) |
| SSC 703-2.09 | Sub-ballast (Grading A) Material Cert |
| SSC 611-2.01 | Riprap Material Cert |
| SSC 729-2.01 / SSC 630 | Geotextile Material Cert |
| SSC 724-2.02 | Seeding Mix |
| SSC 726-2.01 | Topsoil Material Cert |
| SSC 640-1.01 | As-Built Drawings |
| SSC 106-1.05 | Other Material Certifications |