



**Alaska Railroad Corporation
327 W. Ship Creek Ave.
Anchorage, AK 99501**

January 28, 2020

**Addendum 3
Invitation to Bid # 20-01-207635
Whittier Corrosion Inspection and Repairs**

Addendum number 3 is issued for additional Questions and a revised Cost Schedule (Appendix I). Please replace it in its entirety with the one attached herein.

**The Closing Date for this ITB has not changed.
Bids will be received until Thursday February 6, 2020 @ 3:00 PM Alaska time.**

Questions:

1. Item description #6.1 references section 513-3.04. This section requires a stamped containment plan be submitted at least 30 days prior to the pre-painting conference. Please confirm the 30 day and engineer stamp requirement will be held? Also much of this containment will be "field designed" as different days, areas of work, and concurrent work will necessitate it. Will it be sufficient to submit designs for several possible layouts and allow onsite crews to adjust as needed?
 - a. The 30 day requirement can be waived; but, at a minimum, the plan is to be submitted to the Owner seven (7) days prior to implementation of the plan in the field to allow for its review.
 - b. The Engineer's stamp may be waived as long as the prospective Contractor assumes all risk associated with the containment of the hazardous materials in accordance with all applicable Federal, Local, State, and/or Tribal laws and regulations within their containment structures.
 - c. All attachments and/or connections to the Owner's structure must be approved by the Owner in advance of being utilized.
 - d. It is acceptable to submit designs for several possible layouts and for on-site crews to make adjustments as they deem fit, which the exception of changing the approved method of affixing attachments and/or making connections onto the Owner's structure.
2. Item #7 requires pressure washing of surfaces to be coated no less than 2 weeks prior to blasting. Considering the coastal/immersion environment SSPC good painting practice requires it to be completed immediately prior to blasting so that any soluble salts on the surface are removed prior to blasting. Please consider revising this requirement to "immediately prior"
 - a. Item #7 will be revised to require pressure washing of surfaces "immediately" prior to the blasting of the same.

3. It does not appear that there is any requirement to apply sealer to the TSC. As it is a frequent spray/immersion service it is recommended to apply sealer by SSPC-CS23. Application of sealer will also allow the hard edge where the TSC abuts the existing galvanized surface to be coated as the TSC cannot be feathered onto the existing galvanized surfaces. Please confirm this will not be required?
 - a. At this time the Owner does not foresee requiring the application of sealer as recommended by SSPC-CS 23.00.
4. Please confirm that the AKRR will mark and measure the areas to be re-coated
 - a. Either the Owner or a delegated representative will mark the areas required to be re-coated upon inspection of the cleaned (pre-blasted) surface. Both at this time, and upon completion of the re-coating process, the areas will be measured for payment by the Owner or its representative. During the pre-painting conference coordination protocols will be established for the abovementioned.
5. Appendix F item 7 requires that blasting and coating be stopped during wind/precipitation. Considering the climate in Whittier and that this work will be completed in containment and that the specifications require temp heat and dehumidification this seems like a requirement that will cause significant delays. Please consider revising this to require blasting and coating work stops when conditions inside the containment are outside the requirements of SSPC-CS23.
 - a. Item 7 will be revised to allow blasting and coating operations to occur when the conditions inside the containment are within the allowable constraints of the Contract Documents and the SSPC-CS 23.00.
6. Drawing #2 Section 8 item 3 requires third party testing for the thermal spray coating. Please clarify what the third party inspector will be required to inspect (pre-blast cleanliness, blast cleanliness and profile, coating application, thickness etc) and what the qualifications are for this inspector (NACE 3,2,1 etc)?
 - a. Initially a third-party inspector will be required to witness and/or inspect the pre-blast cleanliness, post-blast cleanliness, and pre-coating surface profile as well as the application of the coating. If the aforementioned tasks are found to be in line with industry standard practices, the Contractor's QC staff may perform and document the inspections themselves, as well as the determination of the applied dry coating thickness. Said reports are to be submitted to the Owner prior to payment.
 - b. Upon completion of the re-coating, a third party testing firm may be required to determine the dry coating thickness over an area that is representative of up-to 10% of the total re-coated surface.
 - c. All inspectors (Contractor QC and/or independent third party) performing QC/QA tasks for pay item shall be certified as, at a minimum, a NACE Certified Coating Inspector – Level 2.
7. Drawing #2 Section 4 item C appears to allow for 3 options for TSC materials and 2 thicknesses but the specifications require zinc only at 14 mils. Please confirm which will govern?
 - a. The specifications govern and the minimum dry coating thickness shall be a minimum of 14 mils for the Zinc coating.
 - b. The Cost Schedule will be updated to include two (2) Additive Alternates to allow the Contractor to provide an adjustment factor to the base bid item for the other two (2) options identified in the Plans (Aluminum and Zinc-Aluminum Alloy).
8. Drawing #2 Section 4 Item d indicates that adhesion is to be tested by bend testing. Typically this bend testing is done to qualify the parameters and adhesion testing is done per ASTM D4541 as called out in section 9.5 of SSPC-CS23. Please confirm which will be required?
 - a. Bend testing is to occur in accordance with SSPC-CS 23.00 as described in Section 6.5 "BEND TEST" and at the frequency noted in Section 7.1 "THERMAL SPRAY EQUIPMENT SETUP".
 - b. Adhesion testing is to occur in accordance with the both Section 6.4 "TSC TENSILE BOND AND MEASUREMENT SCHEDULE" of the SSPC-CS 23.00 and the latest revision of ASTM D4541. The minimum frequency shall be one test per 500 ft² of TSC applied.

9. Drawing #5 details A and B call out coating repairs on gussets, struts, stiffeners and diaphragms. Please confirm these areas are already included in the 800 sf of metalizing shown in the cost schedule.
- a. The estimated quantity takes into account the items noted above. Final quantities will be determined from the measurements collected by the Owner or its representative. See Question 4 above.
 - b. Areas not included, or in excess of the estimated quantity, will be measured and paid for at the unit price provided by the prospective Contractor. Quantities over, or under, the threshold indicated in the Contract Documents will be re-negotiated in accordance with the same.
10. Appendix F Item #6.2 requires the contractor to obtain any and all permits for work over water. It appears that neither section 10 or section 404 permits will be applicable. What permits will be required and can they be obtained within the work window shown in the ITB?
- a. Correspondence indicating that the permits mentioned above are neither required nor applicable will suffice to meet the intent of the specification.
 - b. If additional permits are required, and are not able to be obtained within the work window identified therein or within the Contract Documents, equitable negotiations will be made.
 - c. Any permits required by the agencies noted on DWG No. 2 of 12 "GENERAL NOTES AND SPECIFICATIONS" are the responsibility of the Contractor to obtain.
11. Item 6.2 requires the contractor obtain the site EPA number for transport and disposal. Please confirm that AKRR will be listed as the generator?
- a. Correct, the AKRR will be listed as the generator.

All other terms and conditions remain unchanged.

If there are any questions regarding this addendum please let me know.

Thank you,

Greg C Goemer

Sr. Contract Administrator
Alaska Railroad Corporation

APPENDIX I – Cost Schedule

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 to all specifications in Appendix C, and any Technical Specifications incorporated herein.

AWARD CRITERIA: A contract award resulting from this solicitation shall be made to the low, responsive, responsible bidder who meets the requirements as set forth in the plans and specifications and compliance thereof. An award shall be made in the aggregate of Base Bid and or any combination of Base Bid and Add Alternates, whichever is deemed by the Contract Administrator to be in the best interest of the ARRC. The successful bidder shall hold unit prices of all additives firm for a period of thirty (30) days from the date of bid opening. Award is contingent on the availability of ARRC funds.

| BASE BID ITEMS | | | | | |
|-------------------------------------|---|-------------|-----------------------|----------------|------------|
| Item No. | Item Description | Unit | Quantity ³ | Unit Bid Price | Amount Bid |
| 1 | Mobilization | Lump Sum | 1 | | |
| 2 | Structural Steel and Hardware | Lump Sum | 1 | | |
| 3 | Removal and Re-installment of Deck Panels | Lump Sum | 1 | | |
| 4 | Falsework and/or Scaffolding | Lump Sum | 1 | | |
| 5.1 | Replacement of Identified Structural Components | Lump Sum | 1 | | |
| 5.2 | Repair of Un-Identified Structural Components | Hour | | | |
| 6.1 | Spray Metallization | Square Foot | 800 | | |
| 6.2 | Containment | Lump Sum | 1 | | |
| Total Base Bid ²: | | | | | |

ADDITIVE ALTERNATE BID ITEMS ¹

| Item No. | Item Description | Unit | Quantity _{3,4} | Unit Bid Price | Amount Bid |
|----------|--|-------------|-------------------------|----------------|------------|
| 6.1-M.1 | Modify TSC Medium and Coating Thickness to Aluminum | Square Foot | 800 | | |
| 6.1-M.2 | Modify TSC Medium and Coating Thickness to Zinc-Aluminum (85/15) | Square Foot | 800 | | |

Notes:

¹ Award of Additive Alternate Bid items is dependent on Owner finances. The successful bidder will be notified of the Owner's intent to award additional work prior to receiving a Purchase Order or Notice to Proceed (NTP).

² 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 Cost Schedule.

³ Indicate whether the unit price adjustment of Item No. 6.1 is positive or negative. Note that one (1) medium and one (1) applied coating thickness will be maintained throughout the duration of the project and the successful bidder will be notified of the Owner's decision on the aforementioned prior to receiving a Purchase Order or NTP.

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