



**ALASKA RAILROAD CORPORATION**  
327 W. Ship Creek Ave.  
Anchorage, AK 99501

**November 1, 2021**  
**Addendum 2**  
**Request for Quote # 21-30-209245**  
**Talkeetna Section to Depot Fiber Installation**

**This addendum is being issued to provide information as follows: THE CLOSING DATE FOR THIS SOLICITATION HAS CHANGED AS FOLLOWS, BIDS WILL BE RECEIVED UNTIL 3:00 PM LOCAL TIME ON, NOVEMBER 9, 2021**

---

**BID INFORMATION, CONDITIONS & INSTRUCTIONS:**

Closing date changed to November 9, 2021.

**BID ATTACHMENTS:**

Please replace the following bid attachment, in its entirety, with the revised versions included

- ARRC Talkeetna Depot Fiber Build Plan-Set
- Bill of Materials

**MODIFICATIONS: STATEMENT OF WORK**

Close Out Requirements; Contractor must provide all fiber optic testing;

“ ...

- LIGHT TRANSMISSION STANDARDS
  - Fiber Optic cables shall meet ITU-T G.652D Specifications.
  - Installed end-to-end mean optical attenuation (including all splice and connector losses) shall not exceed:
    - 0.26 dB/km at 1550 nm
    - 0.4 dB/km at 1310 nm
- ~~No OSP splicing is planned to occur on this project. Should a splicing component be added to the project, the following standard shall apply.~~
  - Fiber Optic cables shall be fusion spliced and continuous throughout each segment, unless designated differently by the OSP Network Planning Engineer.
  - Splice specifications are as follows:
    - Individual splice loss target shall be 0.10 dB or less, with a mean target of 0.15 dB or less average over the segment.
    - No individual splice loss shall exceed 0.20 dB.
    - Splice reflectance shall not be greater (more positive) than -50 dB measured at 1310 and 1550 nm”
    - *It is expected fiber cable will be Blown or Pulled as a continuous Run. Splicing should be limited to connecting the two(2) Pre-Term(s) at the end points(Depot & Section House)*
    - *Leave 150' slack loops in each vault for maintenance and/or future expansion projects*

**BIDDER QUESTIONS & ANSWERS:**

1. Number of passenger trains per day  
*A: Daily passenger service will begin in early to mid-May, prior to that will be a 3 times a week Hurricane Turn Train*
2. Number of freight trains per day  
*A: There will one freight per day during the spring when work is anticipated to be on-going. This will be an evening train and not likely to impact work crews*
3. ROW width for the project area  
*A: The ARRC ROW is 100' on each side of the main track south of 2<sup>nd</sup> Street, north of 2<sup>nd</sup> Street it extends to 200' on one side and 300' on the other. All construction will be within the ARRC ROW. Construction area will be surveyed and clearly marked prior to construction.*
4. How should fiber be terminated in the utility rooms of the Section House and the Depot?  
*A: Strands 1-12 will be terminated and tested on a contractor supplied fiber management system inside the Depot and Section house. Unspliced/terminated fibers will be tested left at full length, neatly coiled inside a contractor supplied splice case (not to exceed standard bend radiuses) and secured*
5. Where are the NEMA box(es) to be installed?  
*A: Only one (1) NEMA box will be installed. It will be installed outside -on the South East wall of the Section House and centered approximately 5' from grade. There will be no NEMA box installed at the Depot. Conduit will enter directly into the crawl space, spliced and tested to Contractor supplied Preterm which will be routed to the Communications Room*
6. What is the correct conduit dimension, type and length to be bid by unit pricing? Only the 13,500' of 1.25" HDPE, or do we include the 4" listed As Needed on the MTO?  
*A: Conduit dimensions and quantity are 3 each, 1.25" OD and approximately 4500' in length each. Toner Wire(s) must be spliced at all conduit splice points. Color integrity must be maintained throughout the installation. No 4" conduit will be installed on this project*

---

Please acknowledge receipt of this and all addendums in your firm's **Construction Bid Form (Form 395-0121)**. **All other dates, terms and conditions remain unchanged.**

Please direct all responses and/or questions concerning this solicitation to Timothy Bates, Alaska Railroad Corporation, Contracts, 327 Ship Creek Avenue, Second Floor, Anchorage, AK 99501, telephone number 907-265-2355, fax number 907-265-2439 or at email address [BatesT@akrr.com](mailto:BatesT@akrr.com) .

Sincerely,

Timothy Bates  
Timothy Bates  
Contract Administrator  
Alaska Railroad Corporation