



ADDENDUM to the REQUEST FOR PROPOSALS

Design and Construction Administration for Capital Transit Electric Bus Upgrades (C3) RFP E20-154

ADDENDUM NO.: ONE

CURRENT DEADLINE FOR PROPOSALS:
December 20, 2019

PREVIOUS ADDENDA: NONE

ISSUED BY: City and Borough of Juneau
ENGINEERING DEPARTMENT
155 South Seward Street
Juneau, Alaska 99801

PREVIOUS DEADLINE FOR PROPOSALS:
December 18, 2019

DATE ADDENDUM ISSUED: **December 11, 2019**

The following items of the contract are modified as herein indicated. This addendum has been issued and is posted online. Please refer to the CBJ Engineering Contracts Division webpage at:
<http://www.juneau.org/engineering ftp/contracts/Contracts.php>

Item No. 1: Under DEADLINE FOR PROPOSALS: **Change** the date of the deadline for proposals **from** December 18, 2019, **to** December 20, 2019.

Item No. 2: Under 1.2 SCOPE OF SERVICES: **Delete** in its entirety and **Replace** with Section 1.2 Scope of services labeled Addendum 1 that is attached

Item No. 3: Under 1.3 Completion: **Delete** in its entirety and **Replace** with the following:

Phase 1 100% Bid ready documents due on March 15, 2020.
Phase 2 100% Master Plan Report due on July 1, 2020.
Phase 3 100% Bid ready documents due October 15, 2020.

Item No. 4: Under 1.4 BACKGROUND: **Delete** in its entirety and **Replace** with the following:

The Capital Transit Bus Barn is located at 10099 Bentwood Place in Juneau and includes indoor heated bus storage adequate for eighteen (18), 35' length buses. A 2017 renovation and addition added 13,000 square feet. The electrical service with new distribution panels were installed but sized for new additions only. Also, the existing 25kW backup diesel generator is undersized for the existing facility. One 40 foot long Proterra electric bus is scheduled to be delivered in July 2020 and required electrical upgrades and one (1) functional charging station is required at that time. Proterra charger specifications for a 60kW and 125kW capacity are provided in Appendix No. 2- for design reference only.

The Owner will provide the Design Consultant with existing building plans and reference information in .pdf, jpeg and AutoCad as required to support the design.

Receipt of this addendum must be acknowledged or your proposal may be considered non-responsive. Acknowledge the addendum in the submitted proposal.

By: 
Greg Smith,
Contract Administrator

1.2 Scope of Services

The Consultant shall perform all necessary professional design and construction administration services for upgrades to the electrical supply and distribution system at the Capital Transit Bus Barn facility to serve a future fleet of up to eighteen electric buses.

The initial construction will provide a charging station for one (1) 40 foot long Proterra electric bus. The Consultant design will allow for execution of construction improvements in multiple phases, based on available funding and evolving improvements in electric bus and charging technology. The Owner has not yet established an overall budget for the improvements. The work will occur at the Capital Transit Bus Facility, located at 10099 Bentwood Place in Juneau, Alaska.

Key services to be provided by the Consultant include but are not limited to the following tasks:

PHASE 1- DESIGN OF ELECTRICAL SERVICE MODIFICATIONS TO INSTALL ONE (1) FUNCTIONAL BUS CHARGING STATION BY JULY, 2020. Deliverables due on March 15, 2020.

Design-

- Review Owner supplied drawings and documents and perform on -site verification of existing Conditions and electrical equipment.
- Attend three (3) meetings with Capital Transit staff and the CBJ Engineering Project Manager to develop design requirements, optimal charger capacity (60kW or 125kW) and location within Capital Transit's existing bus storage bay.
- Prepare technical memos and attend meetings that will assist the Owner's discussions with AEL&P regarding demand charges, discounted electricity for electric buses, and long term rates.
- Determine modifications needed to existing electrical distribution, conduit path, accessories and Proterra compatible charging station to support one (1) Proterra 40' electric bus. This bus charging station should be capable of being separately metered from the rest of the facility.
- Note: Due to the short time requirement, the Owner is determining whether a Proterra charging station can be purchased by CBJ as an Owner furnished, contractor installed item.
- Design necessary upgrades and provide 95% design documents including drawings, specifications, and detailed construction cost estimate for Owner review by **MARCH 1, 2020**.
- Provide 100% design documents including drawings and specifications by **MARCH 15, 2020**.
- Based on the Consultant provided construction cost estimate, the Owner will either select an electrical contractor using the Term Contractor pool or issue a formal bid for the Work.
- Attend and present project information at one (1) public meeting in March, 2020. Date and time to be determined.

Bidding Services-

- Attend Pre-Bid Meeting and answer Bidders questions. Provide written responses Addenda.
- Provide conformed construction documents incorporating all addenda.
- Provide written clarifications and answers to Contractor's questions.
- Identify existing Electrical Capacity at the bus storage facility at Capital Transit.

- Identify existing Electrical Capacity at the bus storage facility at Capital Transit.
- Identify electrical requirements required by future electric bus charging systems.
- Review Contractor submittals for conformance with design specifications.
- Assist the Owner with questions relating to the Electrical or Building Permit review as required.

Construction Administration Services-

- Review and respond to Contactor RFIs.
- Participate in weekly progress meetings as required.
- Prepare RFP's to the Contractor as required.
- Evaluate change order cost proposals as required.
- Provide periodic site observations of work to ensure compliance with the Contract Documents.
- Generate Notice of Deficient Work reports when Contractor work deviates from Contract Documents.
- Evaluate Contractor Applications for Payment.
- Substantial completion inspection and final completion inspections with reports. .
- Review and respond to Contractor closeout submittals.

PHASE 2- PREPARE ELECTRIC BUS TRANSITION MASTER PLAN DOCUMENT Deliverables due on July 1, 2020.

- Meet with Capital Transit staff to prepare a master plan to transition to an all-electric bus fleet by 2025. Plan should factor existing bus routes, daily mileage covered, and an optimized charging scheme for the Capital Transit facility. Prepare a load study, energy cost analysis and estimated construction costs. Document will include bus parking and charging drawing, electrical distribution schematic plans, detailed electrical equipment materials lists, building modifications as required, and a projected total construction cost estimate.
- Attend and present master plan document at two (2), CBJ stakeholder committee meetings in July, 2020. Dates and times to be determined.

PHASE 3- ELECTRICAL UPGRADES TO SUPPORT FOUR (4) TOTAL ELECTRIC BUSES BY SUMMER, 2021 Deliverables due on October 15, 2020.

- Evaluate any advances in electric bus and charging technology to date provide a technical report with recommendations for future installations
- Prepare a bus parking and charging space plan that includes the maximum number of electric buses within the two covered storage spaces at Capital Transit.
- Update the Master Plan report from Phase 1 as necessary to reflect any new technologies, or information.
- Study the practicality and identify size of a new back-up generator needed to provide adequate emergency power to building and to be determined number of electric bus chargers.

- Design necessary electrical upgrades and provide 95% design documents including drawings, specifications, and detailed construction cost estimate for Owner review by **OCTOBER 1, 2020**.
- Provide 100% design documents including drawings and specifications by **OCTOBER 15, 2020**.
- Attend and present project information at one (1) CBJ stakeholder meeting in fall 2020. Date and time to be determined.

Bidding Services- (Estimated Bid Opening in December, 2020)

- Attend Pre-Bid Meeting and answer Bidders questions. Provide written responses Addenda.
- Provide conformed construction documents incorporating all addenda.
- Provide written clarifications and answers to Contractor's questions.
- Identify existing Electrical Capacity at the bus storage facility at Capital Transit.
- Identify electrical requirements required by future electric bus charging systems.
- Review Contractor submittals for conformance with design specifications.
- Assist the Owner with questions relating to the Electrical or Building Permit review as required.

Construction Administration Services-

- Review and respond to Contractor RFIs.
- Participate in weekly progress meetings as required.
- Prepare RFP's to the Contractor as required.
- Evaluate change order cost proposals as required.
- Provide periodic site observations of work to ensure compliance with the Contract Documents.
- Generate Notice of Deficient Work reports when Contractor work deviates from Contract Documents.
- Evaluate Contractor Applications for Payment.
- Substantial completion inspection and final completion inspections with reports.
- Review and respond to Contractor closeout submittals.