



July 6, 2022

City of Saint Paul
PO Box 901 (950 Gorbach Street)
Saint Paul Island, Alaska 99660

Attn: Phillip A. Zavadil, City Manager

**Reference: Airport Feeder Upgrade
Estimate for Engineering Services**

On 4/7-4/11/2022, Chris Davis visited Saint Paul and reviewed the electrical distribution system and provided a system assessment. Saint Paul required assistance in developing the plans, estimates, and assistance for completing the RUS documentation for grants.

Task 1 – Site Visit & Equipment Condition Assessment

This task includes a trip to Saint Paul, reviewing the existing equipment, verifying the existing plans and one-line documents, and providing a system assessment.

Work Included:

1. Equipment review.
2. Confirming existing drawings.

Deliverables:

1. Equipment condition assessment & preliminary replacement priority

Task 2 –Design & Estimates

This task takes the information from Task 1 and converts it into 90% designed plans and staking sheets for the contractor's estimate. From these documents, the contractor creates ROM estimate for budgetary purposes.

Work Included:

1. Prepare 75% design based on RUS standards.
2. Prepare list of assemblies.
3. Coordinate with material supplier and contractor for 10% contingency estimates for 2023 construction.
4. Prepare staking sheets and drawings.
5. Prepare Issued for Construction Set

Deliverables:

1. Construction Cost Estimate
2. 90% Issued for Review drawing set.
3. Issued for Construction submittal consisting of plan and profile drawings, staking sheets, and assembly list.

Task 3 – RUS Document Assistance

This task is for assisting the City of Saint Paul in filling out and compiling RUS documentation for grant purposes.

Work Included:

1. Review and edit narrative.

Deliverables:

1. RUS Documents

Task 4 – Submittal Review and Engineering During Construction

This task will provide engineering support for changes and questions during construction.

Work Included:

1. Submittal Review.
2. Coordinate with contractor by telephone.
3. Prepare design memos and sketches as required.

Deliverables:

1. Design memos and sketches

Task 5 – Quarterly Engineering Report

This task will provide a quarterly engineering report for CSP use with RUS reporting.

Work Included:

1. Gather construction and engineering status information.
2. Create a report for CSP use.

Deliverables:

1. Quarterly Report

CLARIFICATIONS:

1. Engineer will coordinate with existing utilities where construction scope may affect existing utilities, but it is not in the scope of this project to identify and survey all utilities on Saint Paul Island.
2. Construction engineering services do not include any outage and hot-work planning and coordination, construction switching/sequencing determination or coordination, or construction coordination services.

3. All work is assumed to be in existing easements, no right-of-way assistance or easement applications are included.
4. Field staking has not been included. Contractor shall locate new equipment adjacent to the existing equipment in the same easement.
5. Control and telecommunication is limited to a conduit system in this proposal.
6. We have assumed construction will be performed by EPC, as such, bidding assistance has been excluded and final QA will be performed by the construction foreman.

SCHEDULE:

The site visit took place in April 2022. The preliminary design and cost estimate was compiled in May-June 2022. We anticipate IFC document and RUS document assistance to be complete in July 2022. The engineering during construction is anticipated for Summer 2023.

COST ESTIMATE:

Based on the above scope of work, we estimate the budget required for project to be \$52,000. The breakdown of these estimated costs is as follows:

Task	Description	Total
1	Site Visit & Equipment Condition	\$ 10,000
2	Design and Estimates	\$ 30,000
3	RUS Document Assistance	\$ 3,500
4	Submittal Review and Engineering During Construction	\$ 8,500
5	Quarterly Engineering Report	\$ 6,000
Total		\$ 58,000

We propose to perform these services on a time and materials basis using our current year published fee schedule.

Please review the above scope and estimated cost; feel free to contact me with any questions.

ELECTRIC POWER SYSTEMS, INC.



Christopher T. Davis, P.E.

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