



5 March 2024

Mark Seelos
Water Resources Manager
South Tahoe Public Utility District
1275 Meadow Crest Drive
South Lake Tahoe, California 96150

Subject: Revised Proposal to Provide Additional Engineering Services for the AI Tahoe Well Rehabilitation and AI Tahoe/Bayview Emergency Power Project

Dear Mr. Seelos:

Per discussions on 14 December 2023 during the 90% Submittal meeting and on 23 February 2024, the South Tahoe Public Utility District's (District) application for Federal Emergency Management Agency (FEMA) funding for the emergency back-up power has been waitlisted, therefore the District has changed their approach for back-up power at the AI Tahoe and Bayview well sites. Attached is a scope of work, budget, and schedule to provide additional engineering services for the South Tahoe Public Utility District (District) AI Tahoe Well rehabilitation and AI Tahoe/Bayview emergency power project.

This attachment serves to document additional scope items including:

- Additional design scope items incurred as part of the 90% submittal delivered in December 2023 as well as additional environmental support items.
- Providing 95% design submittal, construction documents and bid services that include consideration of District comments on the 90% design submittal and changes to approach for back-up power.

We appreciate the opportunity to provide further services to the District. If you have any questions regarding our proposal, please contact Sachi at 650-852-2817 or Josh Diebert at 559-349-3063.

Very truly yours,
Kennedy/Jenks Consultants, Inc.

A handwritten signature in blue ink, appearing to read 'Sachiko Itagaki'.

Sachiko Itagaki, P.E.
Principal-in-Charge

A handwritten signature in blue ink, appearing to read 'Spencer T. Archer'.

Spencer T. Archer, P.E., BCEE
Project Manager

Attachment A: Tasks and Deliverables

Attachment B: Labor Effort and Fee Estimate Table

ATTACHMENT A: TASKS AND DELIVERABLES

This attachment serves to document additional scope items that have arisen during the preparation of the 90% submittal for Task 1 Project Management, Tasks 3.5 and 7, as well as comments and design approach changes requested by the District to be included in the 95% design submittal, construction documents and draft environmental documents submitted at 90%.

A 95% design submittal, construction documents and bid support services will be provided with an anticipated advertisement to bidders in summer 2024. Procurement of the Bayview step-up transformer is on the project's critical path and expected to have a 100-week fabrication lead time. Additional effort to revise environmental document/compliance permits to align with 95% design scope is also included.

Task 1 – Project Management

As scope items have been added, additional project management is requested for these additional items for both internal coordination as well as for quality assurance/quality control review.

1.1 Management

KJ will provide project management services for the additional scope of work, including general task management, invoicing, activity coordination, schedule management, and subcontractor management through July 2024. In addition to task specific meetings, KJ will organize and attend bi-weekly check in calls as requested by the District on project progress during Task 4 & 5.

1.2 Quality Assurance/Quality Control (QA/QC)

KJ will prepare and implement a quality assurance and quality control (QA/QC) plan and perform a review of all Task 4 deliverables prior to delivery in accordance with the plan. The internal reviews will focus on completeness, consistency, thoroughness, and conformance to the scope of services.

Budget has been divided for the following activities:

- Additional project management for one year longer than budgeted in the original proposal to prepare 90% Deliverable which included coordination calls with District operations and maintenance staff, internal coordination, project progress calls, invoicing and additional QA/QC effort by all disciplines for the 60% design progress submittal,
- 95% Design submittal,
- Construction Documents and Bid Services.
- Environmental/Compliance submittal.

Task 2 – Data Collection, Review and Analysis

- 2.1 Kickoff Meeting - complete
- 2.2 Data Collection & Review - complete
- 2.3 Alternatives Analysis - complete
- 2.4 Task 2 Optional Services - budget has been reallocated.

Task 3 – 90% Design Submittal

The additional effort for this task is described in the subtasks below:

- 3.1 Topographic Surveying and Mapping - complete
- 3.2 Geotechnical Analysis – complete
- 3.3 Design Memorandum - complete
- 3.4 90% Design - complete
 - 3.4.1 Design Development – complete
 - 3.4.2 Design Review Meeting - complete
- 3.5 Environmental Documentation/Compliance – Additional Scope

Since Task Order 14B in February 2023, additional effort was requested by the District to prepare a cultural resources report with an archaeologist's evaluation and biological resources amendment for the AI Tahoe/Bayview sites and duct bank in between the two sites to support the environmental documents. These services were provided by specialty subconsultants that had prepared previous documents for the District. Further analysis was requested by the District for pre-and post-construction land coverage at all three project sites for Tahoe Regional Planning Agency (TRPA) requirements.

Task 3 Deliverable(s)

Electronic only (pdf) unless specified below:

- Cultural resources report,
- Biological resources amendment.

Task 4 – 95% Design, Construction Documents and Environmental Documentation/Compliance

Task 4 includes 95% design submittal, construction documents and updates to environmental documents/compliance permit applications to reflect the revised scope of design.

4A 95% Design

This task includes:

- Addressing District's 90% submittal comments and changes to scope of design such as the portable generator and relocating the transformer to the Bayview site with the associated design changes for electrical, instrumentation and controls, mechanical, structural and site infrastructure; removing duct bank between sites; water efficiency upgrades, demolition of AI Tahoe Well #1; and security and communication improvements,

- Workshop with District and up to 3 KJ technical staff to discuss implementation of the Carollo Communications Study results at Al Tahoe and Bayview well sites.
- Advance plans and specifications to a 95% level of completion,
- Updating technical specifications to reflect portable generator, security measures, and water efficiency upgrades,
- Reviewing and incorporating District front-end (Division 0 and 1) specifications,
- District review meeting (virtual) for 95% submittal.

4B Construction Documents

This task includes:

- Incorporating District comments on 95% design drawings and specifications,
- Updated opinion of probable construction costs,
- District review meeting (virtual) for construction documents.

4C Environmental Documentation/Compliance

This task includes:

- Updating Mitigated Negative Declaration (MND)/TRPA Initial Environmental Checklist (IEC) form and supporting documentation prepared under the previous task order for the design scope change of a portable generator and moving of the transformer to the Bayview site, the addition of 6,000 gallons of fuel storage at LPPS and associated changes to land coverage,
- Update land coverage calculations at Al Tahoe, Bayview and LPPS,
- Support TRPA Public Service Applications with design and land-coverage related content for Al Tahoe, Bayview and LPPS improvements.

Task 4 Deliverable(s)

- 95% Drawings and Technical and Front-End Specifications in pdf,
- Final Contract Drawings, sealed and signed,
 - 22"x34" (full size pdf)
 - 11"x17" (half size/half scale pdf)
 - DWG, 2019 version (Autocad/Civil 3D)
- Final Contract Specifications, sealed and signed,
 - PDF, DOCX (MS Word)
- Opinion of Probable Construction Cost (Class 2),
 - PDF, XLSX (MS Excel)
- Updated MND/TRPA Environmental Document with IEC form for Al Tahoe, Bayview and LPPS with updated land coverage calculations,
- Design and coverage-related content to support TRPA Public Service Applications.

Task 3 and 4 Assumptions

1. A single bid package is assumed for Al Tahoe Well Rehab and Bayview Emergency Power,
2. No additional archaeological/cultural resources/biological studies are required for LPPS,
3. Each deliverable will receive one round of consolidated District comments for response and update in the following deliverable. The District will review deliverables in a timely manner (approximately 10 working days),
4. District will print and submit environmental and compliance documents/permits, as necessary to TRPA, State Clearinghouse and other relevant agencies,
5. Project related public outreach, rights of entry/access, easements (temporary construction and permanent) and permitting will be performed by the District.

Task 5 – Bidding Services

Bidding services include:

- One KJ staff will attend a pre-bid conference and job walk,
- Written responses to 3 (three) bidders' questions, effort required for additional bidders' questions can be tracked,
- Preparing 1 (one) addendum during the bid period to clarify design documents,
- Prepare conformed set of construction documents based on changes made via the addendum and incorporate executed contract documentation.

Task 5 Deliverable(s)

Electronic only (pdf) unless specified below:

- Meeting notes from pre-bid conference,
- Responses to questions (Distribution by District),
- One addendum (Distribution by District),
- Recommendation of Award,
- Conformed drawings and specifications.

Task 5 Assumptions

1. District will print the Contract Document Bid Sets and distribute to prospective bidders.
2. Project will bid only once.
3. Services for bid disputes or rebidding the project are excluded.

Task 6 – Optional Services

Optional services are not included in this proposal, but could be provided upon request for services such as:

- Pre-procurement Documents for Long-lead Time Items,
- Engineer Services During Construction,

- Air Board Generator Permit Support,
- City of SLT Building/Planning Permit Support,
- Liberty Utilities Application Coordination,
- Al Tahoe Well Inspection - Video/Cleaning,
- Additional archaeological/cultural resources/biological studies if required for LPPS,
- Acoustic Analysis.

Task 7 – Luther Pass Pump Station Fuel Tank Replacement Design

In Task Order 14B, KJ was originally scoped to prepare 90% design drawings and specifications to upsize the 6,000-gallon fuel tank at the Luther Pass Pump Station (LPPS) to a 12,000-gallon fuel tank and improve the retaining wall as necessary to accommodate the increased tank size. Since the issuance of the Task Order, an analysis of a temporary fuel storage system was conducted at the request of the District. This information will be incorporated into Task 7.1 LPPS Fuel Tank Design Memorandum, that is under preparation.

There is no change to the remainder of Task 7 authorized

under TO 14B.

Task 7 Assumptions:

1. No additional survey.
2. Geotechnical assumptions will be based on design parameters used in the 2007 Luther Pass Pump Station Generator design.
3. KJ estimated workshops with the District to review information would last up to 2 hours with key staff in attendance both in-person and virtually.
4. Each draft deliverable will receive one round of consolidated District comments for response and update in the final draft. The District will review deliverables in a timely manner (approximately 10 working days).
5. After District’s review of LPPS Fuel Tank Replacement 90% Design Submittal, KJ will prepare budget for construction documents.

Task 8: Al Tahoe Battery Backup Evaluation; no change from February 2023 authorization.

ATTACHMENT B: LABOR EFFORT AND FEE ESTIMATE TABLE

The tables found on the following pages show a summary of the previous authorization, the unauthorized work and the proposed budget augmentation as well as a more detailed estimate of the required hours for the project by task as outlined above. The initial hour projection identifies key project team members by billing classification and estimated hours for each project team member on a per task and total project basis. The fee is based on the KJ 1 January 2023 rate schedule as attached.

Al Tahoe Budget Summary		4-Mar-24	
	Authorized Tasks	Total KJ Hours	Total \$
TO 14	Task 1 Project Management QA/QC	52	\$ 13,846
	Task 2 -Data Collection, Review and Analysis	243	\$ 104,938
	Task 2 - Optional Services - Well rehab (incl subs) - NOT PERFORMED	46	\$ 112,875
	Subtotal TO 14	341	\$ 231,659
TO 14A	Task 3.1 - Topo Survey	0	\$ 16,500
	Task 3.2 - Geotech	0	\$ 7,700
	Task 3.3 - Draft and Final Design Memo	89	\$ 24,514
	Task 3.5 - Environmental Documentation	221	\$ 52,786
	Subtotal TO 14A	310	\$ 101,500
TO 14B	Task 1 - Project Management and QA/QC (for Addition	66	\$ 17,274
	Task 3.1 - Additional Topo Survey	10	\$ 8,667
	Task 3.2 - Additional Geotech at Al Tahoe	6	\$ 4,698
	Task 3.4 - through 90% design	1379	\$ 318,935
	Task 3.5 Environmental Documentation - TRPA Coverage Evaluation	20	\$ 4,514
	Task 7 - Luther Pass Pump Station Fuel Tank Replacer	126	\$ 31,210
	Task 8 - Al Tahoe Battery Evaluation	112	\$ 29,229
	Subtotal TO 14B	1719	\$ 414,528
	TO14B Authorization		\$ 301,653
	Subtotal Authorized Tasks	2324	\$ 634,812
Task Order 14C Scope and Budget Summary			
TO 14C	Task 1 - Project Management and QA/QC (for Additional Scope)		
	For 90% Design		\$ 22,181
	For Task 4 (95% and CDs) and 5 (Bid Services)	98	\$ 24,388
	Task 3.5 Environmental Documentation - Cultural Resources and Biological Resources Reporting		\$ 21,731
	Task 7 Luther Pass Temp Tank Research and Incorporate 2020 Record Documents		\$ 5,444
	Task 4A 95% Design	845	\$ 202,634
	Task 4B Construction Documents	257	\$ 61,594
	Task 4C Environmental Documentation/Compliance	119	\$ 28,839
Task 5 Bid Services	84	\$ 20,436	
Task 6 Optional Services	0		
	Subtotal TO 14C Authorization Request	1403	387247
	Total Authorization Through TO 14C	3727	1022059

Client/Address: South Tahoe Public Utility District
 1275 Meadow Crest Drive
 South Lake Tahoe, CA 96150

Contract/Proposal Date: Proposal to Provide Additional Services for AI Tahoe/Bayview Generator
 January 25, 2023

Schedule of Charges

January 1, 2023

PERSONNEL COMPENSATION

Classification	Hourly Rate
Engineer-Scientist-Specialist 1	\$150
Engineer-Scientist-Specialist 2	\$180
Engineer-Scientist-Specialist 3	\$200
Engineer-Scientist-Specialist 4	\$220
Engineer-Scientist-Specialist 5	\$240
Engineer-Scientist-Specialist 6	\$260
Engineer-Scientist-Specialist 7	\$285
Engineer-Scientist-Specialist 8	\$305
Engineer-Scientist-Specialist 9	\$320
Senior CAD-Designer	\$185
CAD-Designer	\$170
Senior CAD-Technician	\$155
CAD-Technician	\$140
Project Assistant	\$140
Administrative Assistant	\$120
Aide.....	\$95

In addition to the above Hourly Rates, a four percent Communications Charge will be added to Personnel Compensation for normal and incidental copies, communications and postage.

Direct Expenses

Reimbursement for direct expenses, as listed below, incurred in connection with the work, will be at cost plus ten percent for items such as:

- a. Maps, photographs, 3rd party reproductions, 3rd party printing, equipment rental, and special supplies related to the work.
- b. Consultants, soils engineers, surveyors, contractors, and other outside services.
- c. Rented vehicles, local public transportation and taxis, travel and subsistence.
- d. Project specific telecommunications and delivery charges.
- e. Special fees, insurance, permits, and licenses applicable to the work.
- f. Outside computer processing, computation, and proprietary programs purchased for the work.

Reimbursement for vehicles used in connection with the work will be at the federally approved mileage rates or at a negotiated monthly rate.

If prevailing wage rates apply, the above billing rates will be adjusted as appropriate.

Overtime for non-exempt employees will be billed at one and a half times the Hourly Rates specified above.

Rates for professional staff for legal proceedings or as expert witnesses will be at rates one and one-half times the Hourly Rates specified above.

Excise and gross receipts taxes, if any, will be added as a direct expense.

The foregoing Schedule of Charges is incorporated into the agreement for the services provided, effective January 1, 2023 through December 31, 2023. After December 31, 2023, invoices will reflect the Schedule of Charges currently in effect.