



Stantec Consulting Services Inc.
300 North Lake Avenue, Suite 400, Pasadena CA 91101-4169

December 21, 2020
File: 224399000

Attention: Paul Shapiro

Truckee Meadows Water Reclamation Facility
8500 Clean Water Way
Reno, NV 89502

Dear Paul,

Reference: TMWRF Alarm System Upgrade Electrical Design

As per your request, we are pleased to present this proposal for providing electrical engineering services. The following outlines our understanding of the scope of work and our related professional fees.

INTRODUCTION

The existing plant alarm notification system at the Truckee Meadows Water Reclamation Facility in Reno NV is in need of upgrading. The existing system is a Federal Signal SelectTone distributed system that receives discreet alarm signals from the plant's DCS system. TMWRF plant staff would like to upgrade to a new system that can better integrate into the existing DCS system, is capable of programmable multiple alarms and sound levels, and has optimized alarm horn locations.

Scope

Stantec previously prepared a preliminary design report with proposed alarm notification manufacturers and device placements. This design report provides the basis of design for the proposed improvements. This scope of work includes the detail design and engineering to provide construction documents consistent with the recommendations presented in Stantec's preliminary design report.

The scope includes reviewing existing documentation, preparing drawings and specifications, participating in two (2) one-hour design review meetings via conference call, and two (2) site meetings.

Deliverables

Design Phase:

The design deliverables include the preparation of electrical drawings, and CSI format Division 26 electrical specifications. Front end specifications for bidding will be provided by TMWRF.

The fee includes one four-hour site visit to confirm design requirements.

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The deliverables for the design phase will be provided at the 90% and 100% design stages and will be provided in PDF electronic format for review and comment by TMWRF. Final sealed drawings will be provided in one original stamped copy, electronic PDF and AutoCad format.

Stantec will prepare an opinion of probable construction cost (OPCC) at the 100% design step. The OPCC will be a Class 3 estimate prepared in accordance with AACE requirements.

Construction Phase:

Construction Administration will be in the form of bidding assistance, one bid set addendum, submittal review and request for information (RFI) responses. The fee is budgeted for four submittal reviews including one resubmittal review of each submittal and 10 RFI responses. Stantec assumes that each submittal and RFI review and response will require no more than four hours to complete.

Stantec' lead design engineer will conduct a four-hour site visit at the end of construction to assist with the development of a construction punch-list.

Clarification/Assumptions

The fee is based on the following clarifications and assumptions:

Electronic AutoCAD files for the plan drawing backgrounds are made available for use in preparing the project drawings.

On-site or remote design workshops are not included in the fee but can be added if requested by TMWRF.

Stantec assumes TMWRF staff will perform all construction inspection services and construction management services.

Schedule

The design schedule is estimated to not exceed 12 months after receipt of a notice to proceed from TMWRF. The construction schedule will be dependent on the final design and determined when the design is complete.

Fee

Stantec's initial estimated fee, invoiced on a time and materials basis, for this portion of the work will be **\$55,800.00**. This is an upset fee (a "not to exceed" fee). Stantec's invoices will show the current and cumulative billing amounts, so that it will be reasonably clear, as the project proceeds, whether this estimated fee amount will be adequate. If it appears that this fee will be exceeded, Stantec will confirm revised fees with the client prior to billing over the initial budget amount.

The fee is based on Stantec's 2021 rates.

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Paul Shapiro
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Regards,

Stantec Consulting Services Inc.



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c. Proposal File

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