

EXHIBIT A

SCOPE OF WORK

ANGELO BOOSTER STATION GENERATOR UPGRADE PROJECT

CITY OF CAMAS

Introduction

The City of Camas (City) Angelo Booster Station located at Fallen Leaf Park is the primary water booster pump station supplying the 455 Zone. It pumps from a 343 Zone 18-inch transmission main to serve the 455 Zone and feeds the suction side of the Lacamas Booster Pump Station. This station has four 75 hp split case double end suction pumps capable of pumping 1,000 gpm each. A selected well is called on with the first pump of the Angelo Booster Station to provide adequate suction side supply. If additional wells are called on to meet demand, a corresponding pump is also called on at the booster station to prevent over pressurization of the 343 Zone.

The existing 380 hp generator at the Angelo Booster Station is not large enough to power all the pumps. Preliminary evaluation by the City of the existing 470 hp generator at the Lower Prune Hill Pump Station that is being replaced with the upcoming pump station replacement project indicates it may be adequately sized to supply the Angelo Booster Station. The City has requested Consor North America, Inc. (Consor, Consultant) complete an evaluation of the feasibility of relocating the Lower Prune Hill generator to replace the existing generator at the Angelo Booster Station.

Project Understanding

The City believes the Lower Prune Hill generator proposed for relocation is large enough to operate all pumps at the Angelo Booster Station under emergency power operation. The City's preference would be to install the relocated generator unit inside the building where the existing generator is located but the cost and feasibility of this option is unknown. The Consor team will review available space and electrical / structural modifications which may be required based on as-built drawings for the following upgrade options:

- 1) Remove the existing generator from the existing Angelo Booster Station building and install the relocated generator unit inside the building.
- 2) Place the relocated generator and enclosure on a new concrete pad located outside the existing Angelo Booster Station building.
- 3) Purchase a new generator and install it in the existing Angelo Booster Station building or on a new concrete pad to replace the existing generator.

Scope of Services

Consultant will perform the following services.

Task 1 - Project Management

Objective

Provide overall leadership and team strategic guidance aligned with City staff objectives. Coordinate, monitor, and control the project resources to meet the technical, communication, and contractual obligations required for developing and implementing the project scope.

Activities

1.1 Project Management and Coordination

Provide comprehensive project management to include the following:

- Manage the project scope, schedule, and budget.
- Coordinate with Owner staff and subconsultants during the project.
- Prepare monthly progress reports to be submitted with invoices. Monthly progress reports will include task level budget status. Billings will include labor classification, hourly rate, and hours charged to the project.

1.2 Project Meetings

Schedule and attend project meetings as follows:

- Project 'kick-off' meeting / site visit.
- Generator Alternatives Evaluation deliverable review meeting.

For each meeting, prepare agenda and summary notes.

1.3 Quality Assurance and Quality Control (QA/QC)

All project deliverables will be reviewed for Quality Assurance and Quality Control by the Consultant's QA/QC review team. In addition, the Consultant's QA/QC review team will provide technical assistance throughout the project design.

Task Deliverables

- Monthly invoice and status report.
- Meeting agendas and summary notes for all meetings attended under this task.

Assumptions

- Kick-off meeting will be held in-person at the project site. Consultant personnel shall be guided by City personnel and provided authorized access.
- Project duration is approximately three (3) months.

Task 2 – Generator Alternatives Evaluation

Objective

Identify, gather, and review project background information necessary to complete the review. Review building codes, generator sizes, and cost impacts of different alternatives to determine the best generator option.

Activities

2.1 Review City-Provided Documents

This activity includes assimilating and reviewing the data and documents relating to the existing Angelo Booster Station. The City shall provide to Consor the following:

- As-built drawings of Angelo Booster Pump Station. Documents shall be in PDF format.
- Manuals and drawings of existing and proposed generators including dimensional drawings, weight, and anchor locations.
- Existing booster pump cut sheets.

The preceding information list may be amended by the Consultant in writing.

2.2 Generator Evaluation Report

Based on information obtained from Task 2.1 and the site visit, Consultant will review the feasibility of the existing Angelo Booster Station generator room to house the new generator with respect to structural, electrical, and building code requirements. If there is a fatal flaw that will not allow the generator to be housed in the existing room without major modifications, the City will be notified immediately and all further work will be focused on either the relocated generator or a new generator mounted on a new concrete pad outside the building.

The evaluation will also include the assessment of the age and serviceability of the existing Lower Prune Hill generator, updated electrical load summary for the Angelo Booster Station, and review of the existing automatic transfer switch. If placing the generator in the existing Angelo Booster Station building is feasible, Consultant will prepare a report that identifies the costs and design requirements for the three options outlined under Project Understanding.

Task Deliverables

- Draft and Final Generator Selection Report will be prepared and provided to the City in PDF.

Assumptions

- City will provide to Consultant the data identified in Task 2.1 within ten (10) working days of initial request.
- City will provide Consultant authorized access to water facilities. City personnel shall guide and accompany Consultant during site visit/field review.

- City to coordinate utility locates at pump station site for the site visit to inform location options for a concrete pad outside mounting option.
- Site visit shall be attended by Consultant Project Manager and Industrial Systems (electrical sub) Project Manager.
- City to confer with Building Department regarding code provisions to be applied to project.
- Generator siting alternative figures will be prepared as Bluebeam PDF markups to the as-built drawings.

Budget

The work will be performed on a time and materials basis with a not to exceed budget of \$28,247 (Attachment A) in accordance with the firm’s current standard Schedule of Charges in effect at the time the work is performed (Attachment B).

Project Schedule

The anticipated project schedule is outlined in Table 1.

Table 1 | Project Schedule

TASK / ACTIVITY / MILESTONE	ANTICIPATED COMPLETION
Consultant Notice to Proceed Issued	December 15, 2023
Generator Selection Report	March 15, 2024

ATTACHMENT A
ANGELO BOOSTER STATION GENERATOR UPGRADE PROJECT
CITY OF CAMAS, WASHINGTON
PROPOSED FEE ESTIMATE

	Subconsultants													
	Principal Engineer II	Professional Engineer IX	Cost Estimator III	Professional Engineer VI	Administrative III	Administrative II	Hours	Labor	Structural	E&IC	Multiplier % Markup	Subconsultant Total with Markup	Expenses	Total
	\$261	\$240	\$276	\$206	\$122	\$112								
Average Billing Rate Estimated per Classification/Staff	\$269	\$247	\$284	\$212	\$126	\$115								
Staff Name	GruberJam	SteppBar	GriesingerRob	BargmeyerAle	MaliziaWil	SteinbergMor								
Task 1 - Project Management														
Task 1.1 - Project Management and Coordination		6			4		10	\$ 1,986			1.1	\$ -	\$ -	\$ 1,986
Task 1.2 - Project Meetings	4	6					10	\$ 2,559			1.1	\$ -	\$ 75	\$ 2,634
Task 1.3 - Quality Assurance and Quality Control (QA/QC)	4						4	\$ 1,075			1.1	\$ -	\$ -	\$ 1,075
Task 1 Subtotal	8	12	0	0	4	0	24	\$ 5,620	\$ -	\$ -		\$ -	\$ 75	\$ 5,695
Task 2 - Generator Alternatives Evaluation														
Task 2.1 - Review City-Provided Documents		2		2			4	\$ 919			1.1	\$ -	\$ -	\$ 919
Task 2.2 - Generator Evaluation Report	2	32	4	8		2	48	\$ 11,513	\$ 2,450	\$ 6,750	1.1	\$ 10,120	\$ -	\$ 21,633
Task 2 Subtotal	2	34	4	10	0	2	52	\$ 12,432	\$ 2,450	\$ 6,750		\$ 10,120	\$ -	\$ 22,552
TOTAL - ALL TASKS	10	46	4	10	4	2	76	\$ 18,052	\$ 2,450	\$ 6,750		\$ 10,120	\$ 75	\$ 28,247

2024 SCHEDULE OF CHARGES

Personnel:

Labor will be invoiced by staff classification at the following hourly rates, which are valid from January 1, 2024 through December 31, 2024. After this period, the rates are subject to adjustment.

<u>Billing Classifications</u>	<u>2024 Rates</u>	<u>Billing Classifications</u>	<u>2024 Rates</u>
Principal Engineer VI	\$353	Construction Manager X	\$298
Principal Engineer V	\$330	Construction Manager IX	\$278
Principal Engineer IV	\$312	Construction Manager VIII	\$263
Principal Engineer III	\$293	Construction Manager VII	\$254
Principal Engineer II	\$277	Construction Manager VI	\$236
Principal Engineer I	\$264	Construction Manager V	\$217
Professional Engineer IX	\$252	Construction Manager IV	\$206
Engineering Designer IX	\$243	Construction Manager III	\$188
Professional Engineer VIII	\$240	Construction Manager II	\$173
Engineering Designer VIII	\$229	Construction Manager I	\$154
Professional Engineer VII	\$227	Quality Control Compliance Specialist	\$181
Engineering Designer VII	\$219	Inspector VII	\$217
Professional Engineer VI	\$216	Inspector VI	\$200
Engineering Designer VI	\$208	Inspector V	\$181
Professional Engineer V	\$204	Inspector IV	\$169
Engineering Designer V	\$195	Inspector III	\$150
Professional Engineer IV	\$192	Inspector II	\$134
Engineering Designer IV	\$192	Inspector I	\$116
Professional Engineer III	\$186	Technician IV	\$185
Engineering Designer III	\$186	Technician III	\$166
Engineering Designer II	\$171	Technician II	\$144
Engineering Designer I	\$158	Technician I	\$122
Principal III	\$357	Project Coordinator IV	\$174
Principal II	\$312	Project Coordinator III	\$162
Principal I	\$275	Project Coordinator II	\$145
Project Manager IV	\$260	Project Coordinator I	\$128
Project Manager III	\$248	Administrative III	\$128
Project Manager II	\$221	Administrative II	\$118
Project Manager I	\$193	Administrative I	\$104
Cost Estimator III	\$290		
Cost Estimator II	\$232		
Cost Estimator I	\$174		

Project Expenses:

Expenses incurred that are directly attributable to the project will be invoiced at actual cost. These expenses include the following:

CADD Hardware/Software	\$18.00/hour
Modeling and GIS Hardware/Software	\$10.00/hour
Mileage	Current IRS Rate
Postage and Delivery Services	At Cost
Printing and Reproduction	At Cost
Travel, Lodging, and Subsistence	At Cost

Outside Services:

Outside technical, professional, and other services will be invoiced at actual cost-plus 10 percent to cover administration and overhead.