# Replacement of the 2400 V MCC Gear and Lower Voltage Electrical Gear at the West Side Pumping Station

# **Additional Scope - Construction**

## 6/22/2023

# **Scope of Work**

## **OBJECTIVE**

The project's objective is to upgrade the electrical gear at SPRWS's West Side Pumping Station. HR Green's scope for construction included limited on-site visits. This additional scope is to add additional site visits based on the contractor's scheduling.

#### PROJECT APPROACH

### **PHASE 1 Project Management**

<u>Project Management:</u> Provide ongoing administration, coordination, and subcontractor management for the project. Due to the extended delivery schedule of the electrical equipment, additional time has been required for project management.

### **PHASE 4 Construction Administration**

HR Green's proposal for design and construction administration services of the West Side Improvements included the following:

- 1. One construction meeting.
- 2. Review up to 10 submittals.
- 3. One site visit to develop punch list items.
- 4. One site visit to verify punch list items.
- 5. One site visit for equipment startup.

Due to the contractor's construction and sequencing, several additional site visits have been necessary. To date, the following visits have been made (9 total):

- 1. 2/17/2022 Preconstruction meeting
- 2. 6/16/2022 Xcel transformer orientation
- 3. 11/3/2022 Fence layout
- 4. 4/7/2023 Pump base check
- 5. 4/20/2023 Pump base bolt load testing (due to change from plan to save all or most of \$97,000 line item 2.2, the hydro-demolition of pump bases)
- 6. 5/8/2023 Pump 4 (first) startup

- 7. 5/10/2023 Pump 4 second startup
- 8. 5/30/2023 Pump 3 startup
- 9. 6/14/2023 Pump 2 startup
- 10. There have also 21 submittals to date.

The following items are yet anticipated to complete construction (1 additional site visit):

- 1. Pump 1 startup
- 2. Startup of new RTU/PLC
- 3. Punchlist development
- 4. Punchlist verification

### **Fee**

The additional effort for site visits and submittal review is shown on the attached spreadsheet.

HR Green requests and additional \$12,700 for construction administration and site visits.

#### HR GREEN: PROJECT BUDGETING WORKSHEET

PROJECT NAME: West Side Pump Station Electrical - Additional Construction
PROJECT NUMBER: 181763
CLIENT: SPRWS
CLIENT CONTACT: Kou Vang
PROJECT MANAGER: Salo

FROJEC	I MANAGER: Salo												
	TOTAL HOURS	58				34	11	13					
					Task Total	<u> </u>			EXPENSES				· · · · · · · · · · · · · · · · · · ·
Task	DESCRIPTION OF TASK	Labor Task Total	ODC Task Total			PROJ MGR Salo	CONTROLS ENGR Origer	ELEC ENGR Thayer	Milea Unit	ge Auto Total	Mileage Units	Survey	Sub Contractor Total  Notes
		-	_	_	-		- 0			-		-	
4.0	Task 1 - Project Management	-	-	-	-					-		-	
4.1	Project Management	800	-	-	800	4				-		-	Additional many months of construction
		-	-	-	-					-		-	
4.0	Task 4 - Construction Admin	-	-	-	-					-		-	
4.1	Construction Mtgs.	6,470		-	6,585	30		2	176	115.28		-	Additional 10 site visits
4.3	Submittals and Shop Dwgs	5,335	-	-	5,335		11	11		-		-	Additional 11 submittals
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	TOTA	L: \$ 12,605	\$ 115	\$ -	\$ 12,720					-		-	
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