

CITY OF CORPUS CHRISTI
O. N. Stevens Water Treatment Plant Flocculation Upgrades and
Baffling
CITY PROJECT NO. 22407

Amendment 1

INTRODUCTION

This amendment is to address items not included in the original scope or work and to adjust the construction phase fees to reflect the extended construction schedule duration associated with the City of Corpus Christi (CITY) O. N. Steven Water Treatment Plant Flocculation Upgrades and Baffling Improvements (Project No. 22407).

The extended construction schedule originates from the requirement for the flocculation basins to be fully operational during the summer months. This requirement resulted in the need to have a seasonal construction schedule planned around the summer. Additionally, a new electrical building was determined to be necessary for the Flocculation upgrades requiring Windstorm Certification.

Task 5.0 – INCREASED HOURLY RATE ADJUSTMENT DUE TO EXTENDED SCHEDULE

In July 2023, the CITY provided Hazen and Sawyer (ENGINEER) the Notice to Proceed (NTP) for work associated with the O. N. Stevens Water Treatment Plant Flocculation Upgrades and Baffling project. The scope of work that was approved by Council had assumed a period of 18 months from NTP to the construction package bid opening. However, due to delays in review of submissions and updating of the CITY's front end requirements, the construction bid package was opened 35 months after the NTP.

As part of this task, we are requesting an adjustment in hourly rates associated with the shift in schedule. This adjustment aims to narrow the gap between the updated hourly rates and the lower rates that were originally negotiated three years ago.

Our team has provided the difference in rates for the construction phase of the project based on the midpoint of construction being delayed by 20 months (September 2025 as originally planned vs. March 2028 as currently projected). This delay is associated with a longer design duration period, but mostly with the extension of the construction schedule from 18 months to 38 months, as noted previously.

To bridge this gap in a more cost-effective manner, we have made modifications to the staff that will be assisting during the construction phase, although the engineer of record will remain engaged for continuity of the design.

Task 6.0 – UPDATED CONSTRUCTION PHASE SERVICES (TIME AND MATERIALS)

6.01 ENGINEERING SERVICES DURING CONSTRUCTION

ENGINEER will provide services during construction as outlined in the original proposal. The following additional services are anticipated due to changes in the design and/or the extended duration of the construction work:

- Project management for an additional 20 months of construction at an average of 2 hours/month for a total of 40 additional hours.
- Attendance of two Hazen staff to 20 additional construction progress meetings at 2 hours/meeting for a total of 80 additional hours.
- Periodic sit visits for mechanical staff calculated as 8 hrs/month over a construction period of 18 months (excludes the summer months when mechanical construction is not possible due to high water demand) for a total of 144 hours.
- Periodic site visits for I&C staff (up to 4 visits) for a total of 64 additional hours.
- Periodic site visits for electrical staff (up to 5 visits) for a total of 100 additional hours.
- One additional SCADA/Control Systems Integration site visit for I&C staff up to a maximum of 40 additional hours.
- Periodic site visits for structural staff for a total of 42 additional hours.
- Periodic site visits for civil staff for a total of 42 additional hours.
- A maximum of 49 requests for information (RFIs) are included in the original scope of services. No additional time was added for this task.

Scope Item Assumptions:

- CITY to arrange for a site inspector for day-to-day observations and continuous monitoring of the progress of construction.
- ENGINEER will provide PLC & OIT programming, new SCADA HMI screens, and historian integration services for the new flocculator systems. The CITY will provide existing PLC/HMI applications, standards, server access, software access, and operations/SCADA staff input as required to support the integration.
- ENGINEER will maintain the punch list of final construction items. The CITY will be responsible for verifying that items have been completed prior to scheduling the ENGINEER's final inspection.
- The CITY will manage and review the Contractor's requirement of providing electronic record drawings.
- The CITY will conduct the final inspection with Engineer and will be responsible for verifying that the Contractor is ready for the final inspection. Only one final inspection is included in the scope of work.
- The CITY will prepare agendas and meeting minutes for the monthly progress meetings.
- The CITY will review the payment applications/estimates.
- Level of effort is based on a 38-month construction duration.

Meetings:

- 20 additional construction progress meetings for a total of 38 construction progress meetings for the entire project duration
- No other changes from the original scope of work

Deliverables:

- Responses to up to 49 RFIs
- No other changes from the original scope of work

6.02 START-UP SERVICES

ENGINEER shall monitor startup activities and participate during the startup phase of the project. This task is as detailed in the original scope of services, with the following revisions:

- Assist the CITY in start-up testing and equipment troubleshooting of the new flocculator systems.

Scope Item Assumptions:

- Contractor is responsible for preparing, testing, calibrating, and cleaning equipment prior to start-up as detailed in the project specifications.
- Contractor shall prepare start-up checklist. ENGINEER shall provide comments and verify completion of start-up checklist.

Meetings:

- A total of 148 additional hours are included in this task divided into four 16 hour visits for I&C Support and four 12 hour visits for I&C Lead.

Deliverables:

- No change from the original scope of work

Task 7.0 – WINDSTORM INSPECTION

Windstorm inspection services were not included in the original scope of services for this project. The construction Contract Documents specifically state that the CITY will provide these services (and not the Contractor). Therefore, a task is included in this scope to bridge this gap.

- The Contractor/CITY shall be responsible for providing Submittal Documentation and notifications for each inspection for steel structural framing, anchor bolt material, roofing systems, and other components/appurtenances, affecting the building envelope to the Windstorm Appointed Qualified Inspector (AQI). The AQI will ensure that submittal documentation conforms to the requirements of the Construction Documents (envelop wind pressures) and the Texas Department of Insurance. Submittal documentation, at a minimum, shall contain the following

information as it pertains to this project: anchor bolt material certification, yield strength, sizes, lengths, geometry as applicable, shop drawings as applicable, roofing material testing, and testing/attachment documentation for new HVAC equipment.

- All Submittal Documentation must be approved in writing prior to fabrication and/or installation. During the construction phase, the installation of all approved materials/items shall be visually inspected by the AQI or their representative to verify compliance with the Construction Documents in order for ENGINEER to submit the required WPI-2 form(s) to TDI for their consideration in issuing the WPI-8 Windstorm Certificate to the CITY.
- ENGINEER shall perform inspections to visually verify the work is being constructed as designed and detailed on the sealed Construction Documents, more specifically those items related to steel reinforcing, equipment anchors, new rooftop framing, and installation of components and cladding in accordance with the submitted and approved product evaluation or notice of acceptance.

Scope Item Assumptions:

- ENGINEER shall review the Contractor's submittals and shall not unreasonably delay or withhold approval of the schedule.
- ENGINEER's action in reviewing submittals shall be taken in accordance with the approved submittal schedule or, in the absence of an approved submittal schedule, with reasonable promptness while allowing sufficient time, in ENGINEER's professional judgment, to permit adequate review.
- ENGINEER shall maintain a record of submittals and copies of submittals supplied by the Contractor in accordance with the requirements of the Construction Documents.
- A minimum of 48-hours' notice shall be provided to the ENGINEER AQI to schedule the site visit to perform the requested inspections.
- ENGINEER will prepare field reports as necessary and coordinate with the Client for Work that does not conform to the Construction Documents.

Deliverables:

- ENGINEER shall prepare and submit the WPI-1 form in accordance with the requirements of the Texas Department of Insurance (TDI) for Windstorm acceptance.
- ENGINEER shall prepare and submit WPI-2 form to the Texas Department of Insurance upon completion of construction for TDI's review and subsequent issuance of the WPI-8 Windstorm Certificate.

SCHEDULE

The effort associated with Tasks 5.0 and 6.0 are based on updating the initial 18-month construction schedule to the anticipated 38-month duration.

FEE

The services associated with this amendment shall be provided on a time and materials (T&M) basis for Tasks 5.0, 6.0, and 7.0 for a total amount of \$223,071.18.

Task No.	Task Description	Requested Amount	Billing Basis
5.0	Increased Hourly Rate Adjustment Due to Extended Schedule	\$ 27,234.11	T&M
6.0	Updated Construction Phase Services	\$ 187,015.07	T&M
7.0	Windstorm Inspection	\$ 8,822.00	T&M
Total Requested			\$ 223,071.18

Invoices will be submitted to the CITY on a monthly basis and shall include staff working on the project and number of hours spent. Invoices will be provided with a cover letter summarizing the actions and meetings performed during the invoice period. Hazen reserves the right to distribute hours differently than shown in the level of effort table to accommodate changes during construction. Hazen also reserves the right to modify staffing if the proposed staff becomes unavailable.

If you have any questions or if you would like to discuss in more detail, please feel free to call me at 407-697-0025.

Sincerely,

Hazen and Sawyer
TBPE Firm No. F-13618



Ana Garcia, PE
Senior Associate

FEE SUMMARY

	Fees		
	Original Contract	Amendment 1	Billing Type
Original Contract	\$ 1,665,622.00	-	-
Task 5.0 - Increased Hourly Rate Adjustment Due to Extended Schedule	-	\$ 27,234.11	Time and Materials
Task 6.0 - Updated Construction Phase Services	-	\$ 187,015.07	Time and Materials
Task 7.0 - Windstorm Inspection	-	\$ 8,822.00	Time and Materials
Total Fee	\$ 1,665,622.00	\$ 223,071.18	
Grand Total Contract Amount	\$ 1,665,622.00	\$ 1,888,693.18	

Corpus Christi Water
ONSWTP Flocculation Upgrades and Baffling
Engineering Fee Estimate - Amendment 1

7/23/2026

			Hazen								Ardurra														
			PD	PM/Mech Lead	Mech Support / CM Support	Electrical Lead	Electrical Support	I&C Lead	I&C Support	Mech Revit Lead	PD/ Civil/ Mech PM/ Lead	Civil/Mech EIT	Civil/Mech Designer	Civil/Mech CAD	Struct Lead	Structural EIT	Structural Designer	Structural CAD	Total	Fees					
			Ana Garcia	Tyler Hudson	Dakota Sparks	Brett Bueltel	Steven Chavez	Soren Zomorodi	Bradley Harris	Luis Rivera	Logan Burton	TBD & Roy M	Aaron Jaramillo	TBD	Doug Lawrence	TBD	Mike Hesseltine	TBD							
Item	Description																				Hazen	Ardurra		ODCs	Total
5.0	Increased Hourly Rate Adjustment Due to Extended Schedule		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ 21,676.91	\$ 5,052.00	\$ 505.20	\$ -	\$ 27,234.11
6.0	Updated Construction Phase Services		0	40	224	100	0	64	148	0	19	60	0	0	25	60	0	0	740	\$124,863.07	\$ 33,320.00	\$ 3,332.00	\$25,500.00	\$187,015.07	
6.01	Engineering Services During Construction		0	40	224	100	0	0	64	0	19	60	0	0	25	60	0	0	592	\$ 90,920.68	\$ 33,320.00	\$ 3,332.00	\$ 13,500.00	\$ 141,072.68	
6.02	Start-up Services		0	0	0	0	0	64	84	0	0	0	0	0	0	0	0	0	148	\$ 33,942.38	\$ -	\$ -	\$ 12,000.00	\$ 45,942.38	
6.03	SCADA / Control System Integration		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	\$ -	
7.0	Windstorm Inspection		0	0	0	0	0	0	0	0	0	0	0	0	10	30	0	0	40	\$ -	\$ 8,020.00	\$ 802.00	\$ -	\$ 8,822.00	
	Total		0	40	224	100	0	64	148	0	19	60	0	0	35	90	0	0	780	\$146,539.98	\$ 46,392.00	\$ 4,639.20	\$25,500.00	\$223,071.18	