

ATTACHMENT C
AUTHORIZATION OF CHANGE IN SERVICE

CONTRACT NUMBER / CONTRACT NAME:	215-314 San Marcos Water Treatment Plant Misc. Projects Design	
CITY REPRESENTATIVE:	Paul Kite, Asst Director of Water Utilities	
CONTRACTOR:	Jacobs Engineering Group, Inc. (formerly CH2MHill)	
CONTRACT EFFECTIVE DATE:	September 1, 2015	
THIS AUTHORIZATION DATE:	September 6, 2022, Res. 2022-	AUTHORIZATION NO.: 5

DESCRIPTION OF WORK TO BE ADDED TO OR DELETED FROM SCOPE OF SERVICES:

Pursuant to the attached proposal dated August 4, 2022, Jacobs will provide services for the rehabilitation of the odor control system at the Wastewater Treatment Plant for total amount NTE \$849,173. The project cost breakdown is as follows:

\$716,692 fix fee for the complete scope of work

\$129,481 not to exceed contingency/escalation as needed and as approved by Owner.

Project completion is anticipated to be January 2023.

Original Contract Amount:		\$137,179.00
Previous Increases in Contract Amount:		\$1,082,204.55
This Increase in Contract Amount:	NTE	\$849,173.00
Revised Contract Amount:		\$2,068,556.55

CONTRACTOR: Jacobs Engineering, Inc.

Signature

Date

Print Full Name / Title (if not in individual capacity)

CITY: CITY OF SAN MARCOS, TX

Signature

Date

Stephanie Reyes, Interim City Manager

Print Name / Title

City Department Use Only Below This Line (PM, etc.).

Account Number(s):	Amount	Date
# C727 WWTP Misc. Improvements	\$	
#	\$	
#	\$	



6312 S. Fiddler's Green Cir, Suite 300N
Greenwood Village, CO 80111
Tel 303.740.0019

August 4, 2022

Tyler Hjorth, PE
Director of Utilities
City of San Marcos
2217 E. McCarty Lane
San Marcos, TX 78666

Subject: Capital Modification at City Request – Odor Control Rehabilitation Change Order

Dear Mr. Hjorth:

Jacobs would like to propose the following Capital Modifications for the City of San Marcos as provided for by Section 10.4 of the Service Contract, as further defined below. These services will comply with the requirements of Section 10 (Capital Modifications) of the Service Contract for Wastewater Treatment Facilities Operations between Operations Management International, Inc. (Jacobs) and the City of San Marcos, TX, dated August 16, 2005.

What is being provided:	Jacobs will provide services for the rehabilitation of the odor control system at the Wastewater Treatment Plant. A more detailed scope of services is attached.
When it is being provided:	Upon Notice to Proceed being issued by the City, Jacobs anticipates four months to completion, based upon timely receipt of all equipment. A more detailed schedule is attached.
Project costs:	The scope is being provided on a lump sum basis with the base price of \$719,692 and a separate contingency of \$129,481 that will be charged, if required, on a Time and Materials basis with a 10% markup. Jacobs will invoice for this scope monthly on a percentage completed basis.
Payment terms:	As defined in Section 11.7 of the Agreement, payment will be due and payable within thirty (30) days following receipt of Jacobs' invoice.

Pricing will remain valid for sixty (60) days from the date of this proposal. All other terms and conditions of the Service Contract remain in full force and effect. If these terms are agreeable to you, please sign this letter. A fully executed version of this Change Order will be returned for your files.

Jacobs appreciates the opportunity to provide these additional services to the City of San Marcos.

Sincerely,

Paul Shropshire

Project Manage

Both parties indicate their approval of the above described services by their signature below.

Operations Management International, Inc.:

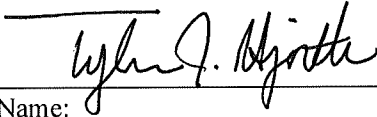
**Greg
Weeks**

Digitally signed by Greg Weeks
DN: cn=Greg Weeks, c=US, o=OMFS -
South Central Region, ou=PU-011962
US PROJECT DELIVERY - OM SVCS -
US SOUTH - GLOBAL - OM,
email=greg.weeks@jacobs.com
Date: 2022.08.07 10:15:39 -0500

Name: Greg Weeks, PE
Title: Manager of Projects

Date: 8/7/2022

City of San Marcos, TX:



Name:
Title:

Date: 8/9/22

CAPITAL IMPROVEMENTS SCOPE OF WORK FOR REHABILITATION OF THE ODOR CONTROL SYSTEM AT THE SAN MARCOS WASTEWATER TREATMENT PLANT

SUMMARY OF PROJECT DESCRIPTION

This scope of work describes the services to be rendered by Jacobs, through a properly licensed affiliate under the terms and conditions of the Service Contract between the City of San Marcos and Operations Management International, Inc., for the rehabilitation of the odor control system at the San Marcos WWTP. This is a small subproject of the overall 2021 Miscellaneous Projects for the San Marcos WWTP that has been separated as an expedited project.

The refurbishment consists of odor control vendor provided components for replacement, including:

- Control panel
- Three water control panels
- Recirculation tank
- Recirculation pump(s)
- Odor control tower gaskets

The selected contractor shall provide all labor and materials required for installation, install all vendor provided replacement items, provide interconnection of piping, insulation and electrical for all other component replacements as shown on the plans and specifications herein. Jacobs will provide procurement, SCADA services and construction administration support for this refurbishment project.

WORK METHODOLOGY

The objective of this project is to refurbish components of the existing odor control system currently in use at the San Marcos WWTP. Several components are at the end of their useful life and no longer operational. Jacobs staff will procure, subcontract the construction contractor, manage the construction, upgrade the SCADA system for the new components and provide staff resources for refurbishment of the odor control system.

Upon approval of funding, Jacobs will:

- Contract with the odor control contractor to refurbish the odor control system per plan.
- Work with the construction contractor to procure the odor control equipment
- Work with contractor to approve submittals and monitor delivery schedule for mobilization
- Test and commission the updated panels and equipment

1. Task 1 – Procurement and Construction Administrative Services

The team will procure the approved manufacturer replacement equipment using Jacobs procurement staff as well as provide construction administration during installation. Procurement tasks include:

- 1.1. Working with subcontractor to agree on Terms and Conditions
- 1.2. Select three experienced Contractors with qualifications in wastewater treatment construction and procure the Contractor with the best qualified bid
- 1.3. Receive bids and procure contractor for installation
- 1.4. Engineer to review submittal drawings, answer questions and provide inspection services
- 1.5. Provide SCADA updates for new control panel

2. Task 2 – Construction Services

The construction team will mobilize to site. The local operations and engineering team will support construction. Construction tasks include:

- 2.1. Mobilizing to site
- 2.2. Isolate segments of the odor control to operate the odor control system during refurbishment.
- 2.3. Install the replacement water panels, control panel, replacement tank, replacement pump, and replacement piping
- 2.4. Install instrumentation modifications per plans
- 2.5. Provide new electrical power needs to new components per plans
- 2.6. Inspect installation
- 2.7. Test and Commission odor control system in phases
- 2.8. Engineers will be available for Requests for Information and resolving conflicts.
- 2.9. As-built records will be received and recorded in the WWTP library

Assumptions:

- Lead time for equipment is estimated to be 10-12 weeks

COMPENSATION AND SCHEDULE

Compensation by the City to Jacobs for the Odor Control Refurbishment described in this authorization will be on a firm fixed price basis. Invoices will be based upon the extent of work completed on a percentage basis. Table 1 provides a summary of the fee by activity.

Task	Description of Service	Fee
1	Bidding and Procurement (Jacobs Labor Fixed)	\$71,243.00
2	Construction Administrative Services/Management Oversight (Jacobs Labor Fixed)	
3	SCADA Services & Commissioning (Jacobs Labor Fixed)	
4	Construction Services (Subcontractor Cost plus 10%)	\$647,405.00
5	Travel & Expenses (Fixed)	\$1,044.00
	Fixed Price Total	\$719,692.00
	Subcontractor Contingency & Escalation (20%)	\$129,481.00

Project Schedule

The construction team anticipates that the contract period for procurement and construction may be kicked off in late Summer of 2022. Jacobs assumes all construction will be completed within approximately 3 months from receipt of all equipment to site. A detailed project schedule will be developed and submitted to the City for acceptance prior to beginning of construction activities. A summary of the schedule is provided in Table 2.

TABLE 2

San Marcos WWTP Odor Control Refurbishment Procurement and Installation Estimated Delivery Schedule

Task Name	Duration	Start	Finish
Notice to Proceed	1 day	9/1/22	
Task 1 – Procurement	100 days	9/1/22	12/10/22
Task 2 – Construction	30 days	12/10/22	01/15/23