



WATER UTILITIES DEPARTMENT
301 COLLEGE STREET
LAKE WORTH BEACH, FL 33460
561.586.1710

CHANGE ORDER

Project Number: WO-04 Contractor: Globaltech, Inc.

Project Name: Utility Radio System Upgrade Phase 1

Change Order Number: 01

Change Order Effective Date: _____ Contractor Phone: 561-997-6433

Change Order Type: Addition Existing Purchase Order Number: 182115

Description of Change:

Lake Worth Beach (LWB) has requested that the new Water Treatment Plant (WTP) radio antenna be mounted on top of the existing WTP building. In order to comply with height requirements dictated by the Radio Survey/Study, additional work will be required for a new Rohn tower, and a mast is required to position the antenna at the required height of 65 ft above ground. Mounting the Rohn tower to the roof of the 3rd floor requires structural reinforcement of the roof section and a new base for the tower to be constructed. In addition to these structural improvements, the roof will need to be repaired to require modifications. These improvements will be constructed according to the design of WGI, Inc. structural P.E. Quotations and cost for the work are attached.

The work will require an additional 140 working days added to the project. The additional time requested is due mainly to:

- Vendor supplied material delays due to circumstances related to the COVID-19 pandemic
- Material delivery delays due to winter storms of 2020 and 2021
- Engineering time required to design new structures to accommodate the requirements of the Radio Study, and the location of these structures requested by LWB.

The improvements include:

1. Furnish and install new Rohn tower on existing WTP building third-floor roof
2. Perform additional structural reinforcements to support the new Rohn tower.
 - a) Complete roof repairs as required; see associated engineering drawings for structural improvements design.
3. Installation of Rohn tower
4. Installation of new antenna and cable on new Rohn Tower
5. Lightning protection as required

6. Perform new antenna installation at the five (5) remote sites: Well F2 and F3, North Booster pump station, South Booster pump station, and Master pump station.
7. Cleanup of site
8. Additional engineering fees (**Attachment - A**):
 - a) WGI, Inc. structural sub-consultant – structural improvements design
 - b) Globaltech, Inc. engineering management

2.0 An allowance amount was established for the five (5) offsite antenna installations in the original scope. As a result of the design process, the project elements have been more clearly refined, allowing credit to be returned from the Allowance amounts. A quote and cost breakdown for the work is attached.

1	2	3	4	5	6
Item No.	Description	Qty	Unit	Unit Price	Increase in Contract Price
1	Credit – Antenna Tower Allowance	1	1	-\$65,113.55	-\$65,113.55
2	General Conditions	68	HR	\$7,776.00	\$7,776.00
3	Antenna Base	6	LOT	\$36,496.45	\$36,496.45
4	Antenna Tower	5	LOT	\$14,659.36	\$9,599.36
5	Engineering	1	LOT	\$18,132.00	\$18,132.00
6	Antenna Installation Remote Sites	1	LOT	\$10,004.50	\$10,004.50
7	Electrical PM	16	HR	\$1,760.00	\$1,760.00
8	Bonds & Certifications	1	LOT	\$586.52	\$586.52
	Total Amount:				<u>\$19,241.28</u>

Price of Original Contract: \$223,737.85 (authorized by Commission on 01/07/2020 Agenda Item (#))

Current Price of Contract (including Change Orders): \$223,737.85

Price of Current Change Order: \$19,241.28

New Contract Price: \$242,979.13

Basis of Price Change: Unit Price Time & Material Lump Sum


Contract Time Change

No Change Extended Decreased by 140 work days

The CONTRACTOR and the OWNER agree that this CHANGE ORDER represents the complete agreement of the parties with respect to these matters as of the date of this CHANGE ORDER. By approving this Change Order, the CONTRACTOR releases any and all claims that it may have against the OWNER under the subject contract, including, but not limited to claims for equitable adjustments, which occurred or accrued prior to the effective date of this CHANGE ORDER.

This Change Order may be executed in counterparts and is not effective until approved by either the City Manager or City Commission (as designated on the last page of this Change Order).

Reviewed and Accepted by: Globaltech, Inc.
(Contractor Name)

	<u>CEO/President</u>	<u>02/23/2021</u>
Contractor Representative (Signature)	Title	Date

<u>Approved by:</u> <u>Brian Thieler</u>		<u>2/23/21</u>
	(Department Director)	(Date)

IN WITNESS WHEREOF, the OWNER/CITY has approved this Change Order No. 01 to the Utility Radio System Upgrade Phase 1 Project on _____, 2021.

CITY OF LAKE WORTH BEACH, FLORIDA

ATTEST:

By: _____
Deborah M. Andrea, City Clerk

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY:

By: _____
Glen J. Torcivia, City Attorney

*RAS
2/2/21*

By: _____
Betty Resch, Mayor

APPROVED FOR FINANCIAL
SUFFICIENCY

By: _____
Bruce T. Miller, Financial Services Director



Exhibit 2 Cost Breakdown

03/15/21

City of Lake Worth Beach
172189 LW Utility Radio System Upgrade - Phase 1

Assembly#	Description	Unit	Quantity	Cost	Ext. Cost	Ext. Price
Job: 172189 LW Utility Radio System Upgrade - Phase 1						
Bid Item: 200 Antenna Mast						
	CREDIT					
	Antenna Tower Installation Allowace (Original Contract)		-1	65,113.55	-65,113.55	-65,113.55
	ADDITIONS					
3	General Conditions	LOT				
	Submittal Labor	HR	4.00	101.00	404.00	404.00
	Project Meetings	HR	4.00	156.00	624.00	624.00
	Construction Scheduler	HR	4.00	94.00	376.00	376.00
	Construction PM 4	HR	10.0	156.00	1,560.00	1,560.00
	Construction PM 2	HR	20.0	101.00	2,020.00	2,020.00
	Construction Superintendent	HR	8.00	94.00	752.00	752.00
	Purchasing & Subcontract	HR	4.00	129.00	516.00	516.00
	Safety	HR	4.00	156.00	624.00	624.00
	Construction Assistant	HR	10.0	90.00	900.00	900.00
	Antenna Base Support Fabrication	LOT	1.00	16,500.00	16,500.00	20,303.25
	Antenna Base Support Installation	CR-D	1.00	1,800.00	1,800.00	1,800.00
	Crane	DAY	1.00	2,400.00	2,400.00	2,953.20
	Roof Repair	LOT	1.00	3,500.00	3,500.00	3,850.00
	Electrical - Coax	LOT	1.00	3,400.00	3,400.00	3,740.00
	Lightning Protection	LOT	1.00	3,500.00	3,500.00	3,850.00
	Antenna Tower	LOT	1.00	4,815.00	4,815.00	5,924.86
	Freight	LOT	1.00	1,095.00	1,095.00	1,259.25
	Misc Tools & Equipment	LOT	1.00	500.00	500.00	615.25
	Punch Out Crew	CR-D	1.00	1,800.00	1,800.00	1,800.00

Takeoff Worksheet

03/15/21

Continued...

Assembly#	Description	Unit	Quantity	Cost	Ext. Cost	Ext. Price
	Engineering	LOT	1.00	18,132.00	18,132.00	18,132.00
	New Antenna Installation Remote Sites (QTY 5)	LOT	1.00	9,095.00	9,095.00	10,004.50
	Electrical PM	HR	16.0	110.00	1,760.00	1,760.00
	Bonds & Certifications	LOT	1.00	510.02	510.02	586.52
Bid Item Totals:					11,469.47	19,241.28
Grand Totals:					11,469.47	19,241.28