

STATE OF GEORGIA  
HENRY COUNTY  
CITY OF STOCKBRIDGE

RESOLUTION NO. R20-1186

**A RESOLUTION TO AUTHORIZE A CERTAIN CHANGE ORDER FOR  
THE WWTP GLYNN ADDY PUMP STATION REHABILITATION  
PROJECT**

WHEREAS, the City of Stockbridge (“City”) is a municipal corporation duly organized and existing under the laws of the State of Georgia and is charged with being fiscally responsible concerning the use and expenditure of all public funds; and

WHEREAS, it is proposed that a change order for the WWTP Glynn Addy Pump Station Rehabilitation Project in the amount of \$283,481.61 be authorized;

THEREFORE, THE CITY COUNCIL OF THE CITY OF STOCKBRIDGE HEREBY RESOLVES:

**SECTION 1. Approval of Purchase.** The change order for the WWTP Glynn Addy Pump Station Rehabilitation Project in the amount of \$283,481.61 as presented to the City Council on July 28, 2020 is hereby approved by the City Council. All actions of the City staff, Mayor and Council taken in contemplation of this resolution are hereby ratified and approved.

**SECTION 2. Public Record.** This document shall be maintained as a public record by the City Clerk and shall be accessible to the public during all normal business hours of the City of Stockbridge.

**SECTION 3. Authorization of Execution.** The Mayor is hereby authorized to sign all documents necessary to effectuate this Resolution.

**SECTION 4. Attestation.** The City Clerk is authorized to execute, attest to, and seal any documents which may be necessary to effectuate this ordinance, subject to approval as to form by the City Attorney.

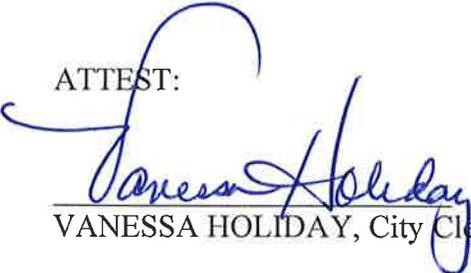
**SECTION 5. Effective Date.** This resolution shall become effective immediately upon its adoption by the Mayor and City Council of the City of Stockbridge as provided in the City Charter.

[SIGNATURES APPEAR ON FOLLOWING PAGE]

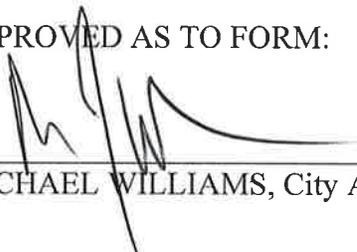
SO RESOLVED this 28<sup>th</sup> day of July, 2020.

  
\_\_\_\_\_  
ANTHONY S. FORD, Mayor

ATTEST:

  
\_\_\_\_\_  
VANESSA HOLIDAY, City Clerk

APPROVED AS TO FORM:

  
\_\_\_\_\_  
MICHAEL WILLIAMS, City Attorney



Carter & Sloop  
CONSULTING ENGINEERS

July 17, 2020

Mr. Decius Aaron  
Public Works Director  
City of Stockbridge  
4640 North Henry Blvd.  
Stockbridge, GA 30281

VIA Email

RE: City of Stockbridge  
WWTP Improvements and Glynn Addy Pump Station Rehabilitation  
C&S Project No.: S9100.013 & .014

Dear Mr. Aaron:

At the request of the City, Allsouth Constructors, Inc. has provided pricing for 1) Improvements to the Sequencing Batch Reactors (SBRs) at the Wastewater Treatment Plant; 2) Revised SCADA location for the HCWA Interconnection; 3) Valve Replacement/Addition at the Ground Storage Tank; 4) Replacing Existing Pressure Transmitter at the Groundwater Pumping Station Clearwell; and 5) Electrical Improvements to provide Aerator/Mixer signals to the Wastewater Treatment Plant SCADA. A description of each task is described below:

1. Improvements to the Sequencing Batch Reactors (SBRs) at the Wastewater Treatment Plant:
  - a. The existing influent, effluent and sludge valves have reached the end of their useful life and are in need of replacement. Deferred replacement will result in failure of the valves; causing process upsets and reducing plant capacity by 50% while undergoing repair. Each basin will be drained to accommodate replacement of the sludge valves and thus provides an opportunity to clean and remove accumulated solids from each tank, increasing the capacity of the tanks. Additionally, while the basins are drained, the Contractor will repair the access ladders. These ladders are currently not structurally sound and could cause serious injury to operators if someone was to access the basins with these ladders. This is an immediate danger to operators and should be corrected as soon as possible.
  - b. Work Included:
    - i. Replacement of each influent 10" Plug Valve and Actuator (2 valves);
    - ii. Replacement of each effluent 18" Butterfly Valve and Actuator (2 valves);
    - iii. Replacement of each sludge 8" Plug Valve and Actuator (2 valves) and necessary piping modifications;
    - iv. Cleaning each SBR basin; and,
    - v. Repair of the existing basin access ladders
2. Revised SCADA location with new Actuated Valve for the Henry County Water Authority (HCWA) Water Interconnection and Backflow Preventer Installation:
  - a. The City currently has multiple water interconnections with HCWA, including near the intersection of Flippen Road x Mimosa Drive, with this location being in close proximity with the existing Ground Storage Tank and 1 Million Gallon Elevated Storage Tank. Providing a SCADA controlled valve and redundant feed adjacent to the tanks will provide increased resiliency to the water system and allow Operators to

supplement water demands during peak periods, emergency shutdowns or routine maintenance as opposed to the previous location. This change will also allow the Operators to better utilize the existing infrastructure as demands increase into the future. The existing backflow preventer (BFP) at this interconnection has failed during testing and with maintenance becoming increasingly difficult is in need of replacement.

- b. Work Included:
  - i. New Electrical Panel, surge protection and appurtenances for a complete installation;
  - ii. New 8" Plug Valve and Actuator; and
  - iii. Replace existing BFP with new City supplied BFP.
3. Valve Replacement/Addition at the Ground Storage Tank:
  - a. There is currently a piping connection between the discharge of the existing Booster Pump Station (BPS) and the Ground Storage Tank (GST) influent feed that does not allow operators to utilize the BPS due to re-circulation and over-pressurization of the distribution system. The addition of a new 8" gate valve will allow operators to utilize the BPS to fill the existing Elevated Storage Tank and supplement peak demands. Additionally, the existing in-flow control valve for the GST has reached the end of its useful life and is in need of replacement.
  - b. Work Included:
    - i. Replacement of GST influent 8" Butterfly Valve and Actuator with 8" Plug Valve; and
    - ii. Install a new 8" Gate Valve.
4. Replace Pressure Transmitter at the Groundwater Pumping Station Clearwell:
  - a. The existing Pressure Transmitter provides intermittent service and has resulted in numerous overflows and unaccounted for water.
  - b. Work Included:
    - i. Remove and Replace existing Pressure Transmitter with new Pressure Transmitter.
5. Electrical Improvements to provide Aerator/Mixer signals to the Wastewater Treatment Plant SCADA:
  - a. The City operators recently replaced all of the aerators and mixers in each SBR basin. Neither the previous nor the recently replaced aerators and mixers provide running feedback to the Plant SCADA. Providing these signals will allow operators to verify the aerators and mixers are operating as required, to monitor runtimes to aid in maintenance checkpoints and greater control of the SBR processes.
  - b. Work Included:
    - i. Provide a hard-wired connection between the MCC and the SCADA PLC; and;
    - ii. Integrate signal into Plant SCADA.

The table below provides an overall summary of the project budget and includes the pricing provided by the Contractor for the work described above along with a fee for Engineering Services for Design, Construction Administration and Observation related to these items of work.

Description	Original Cost	Anticipated Cost	Cost Difference	% Over/Under Budget
Total Base Bid for Construction	\$ 4,615,391.00	\$ 4,608,192.00	\$ (7,199.00)	-0.16%
Contingencies	\$ 461,539.10	\$ -	\$ (461,539.10)	-100.00%
Change Order #1 - Old Conyers LS Rehab. and FM Repl. - Const.	\$ -	\$ 720,500.00	\$ 720,500.00	N/A
Change Order #2 - Const.	\$ -	\$ 242,981.61	\$ 242,981.61	N/A
Design, Bidding & Construction Management (PO #35159)	\$ 204,400.00	\$ 204,400.00	\$ -	0.00%
Old Conyers LS Rehab and FM Replacement - Eng.	\$ -	\$ 66,900.00	\$ 66,900.00	N/A
Change Order #2 - Eng.	\$ -	\$ 40,500.00	\$ 40,500.00	N/A
<b>Total Project Cost =</b>	<b>\$ 5,281,330.10</b>	<b>\$ 5,883,473.61</b>	<b>\$ 602,143.51</b>	<b>11.40%</b>

July 17, 2020

This addition would expedite completion of the work and reduce the additional costs associated with advertisement, bidding and construction administration. Because of their satisfactory work to date, proximity and similar scope in regard to the WWTP Improvements, **Carter & Sloope recommends amending Allsouth Constructors, Inc. contract by Change Order to increase it in the amount of \$242,981.61 for a total amended contract amount of \$5,571,673.61. Our engineering agreement will also need to be amended for our additional work to administer the construction contract and provide observation services for this work. We propose to provide these services for an hourly, not-to-exceed cost of \$40,500 and will budget 192 man-hours for this project and can provide more if needed. The City will need to increase the available funds for this project by \$283,481.61 for a total project funding of \$5,883,473.61.**

Please execute and return to our office all four copies of the attached Contract Change Order. We will deliver 2 originals to you following execution.

If you have any questions or need any additional information, please call us.

Sincerely,



Martin C. Boyd, P.E.

MCB:jcp

CC: Mr. Brad Holtsinger, City of Stockbridge

# Change Order

No. 2

Date of Issuance: July 17, 2020

Effective Date: \_\_\_\_\_

Project: <u>WWTP Improvements and Glynn Addv Pump Station</u>	Owner: <u>City of Stockbridge</u>	Owner's Contract No.:
Contract:		Date of Contract:
Contractor: <u>Allsouth Constructors, Inc.</u>		Engineer's Project No.: <u>S9100.013 &amp; S9100.014</u>

## The Contract Documents are modified as follows upon execution of this Change Order:

Description:

*Task 1 – Improvements to the Sequencing Batch Reactors at the Wastewater Treatment Plant*

*Task 2 – Revised SCADA location with new Actuated Valve for the Henry County Water Authority Water Interconnection and Backflow Preventer Installation*

*Task 3 – Valve Replacement/Addition at the Ground Storage Tank*

*Task 4 – Replace Pressure Transmitter at the Groundwater Pumping Station Clearwell*

*Task 5 – Electrical Improvements to provide Aerator/Mixer signals to the Wastewater Treatment Plant SCADA*

### Attachments (list documents supporting change):

Contract Change Order

### CHANGE IN CONTRACT PRICE:

Original Contract Price:

**\$ 4,608,192.00**

Increase [Decrease] from previously approved Change Orders No. 0 to No. 1:

**\$ 720,500**

Contract Price prior to this Change Order:

**\$ 5,328,692.00**

Increase [Decrease] of this Change Order:

### CHANGE IN CONTRACT TIMES:

Original Contract Times:  Working days  Calendar days

Substantial completion (days or date): January 7, 2020

Ready for final payment (days or date): February 11, 2020

Increase [Decrease] from previously approved Change Orders No. 0 to No. 1:

Substantial completion (days): 180 days

Ready for final payment (days): 180 days

Contract Times prior to this Change Order:

Substantial completion (days or date): May 30, 2020

Ready for final payment (days or date): July 5, 2020

Increase [Decrease] of this Change Order:

Substantial completion (days or date): 45 days from material delivery

«ClientName»

«ProjName1»

«ProjName2»

C & S Project No. «ProjNo»

«SpecDate»20

\$ 242,981.61

Ready for final payment (days or date): 45 days from material delivery

Contract Price incorporating this Change Order:

Contract Times with all approved Change Orders:

\$ 5,571,673.61

Substantial completion (days or date): TBD

Ready for final payment (days or date): TBD

RECOMMENDED:

By: Martin C. Boyle  
Engineer (Authorized Signature)

ACCEPTED:  
By: [Signature]  
Owner (Authorized Signature)

ACCEPTED:  
By: \_\_\_\_\_  
Contractor (Signature)

Date: 07/17/2020

Date: July 28, 2020

Date: \_\_\_\_\_

Approved by Funding Agency (if applicable): Mayor Anthony S. Ford

N/A

Date: N/A

«ClientName»  
«ProjName1»  
«ProjName2»

C & S Project No. «ProjNo»  
«SpecDate»20

## CONTRACT CHANGE ORDER

S9100.013 & S9100.014 - Change Order #2 Attachment

ITEM NO.	DESCRIPTION	QTY	UNIT	PRICE
Task 1	Contractor to remove and replace existing SBR influent, effluent and sludge valves and actuators with 2 - 10" Plug Valve with Actuators (Influent), 2 - 18" Butterfly Valve with Actuators (Effluent) and 2 - 8" Plug Valve and Actuators (Sludge). Work to include all electrical and control modifications and appurtenances for a complete installation. Contractor also to clean and remove all accumulated solids from each basin and repair basin access ladders.	1	LS	\$163,004
Task 2	Contractor to provide a new Panelboard (240/120V, 1PH, 3W, 100A), Surge Protection Device, lighting and receptables, cables, conduits, fittings, wiring, ground and support hardware for a complete installation. Contractor shall also install Owner supplied backflow preventer into the existing meter vault with all necessary fittings, piping and appurtenances.	1	LS	\$33,526
Task 3	Contractor to remove existing 8" butterfly valve and actuator and replace with a new 8" plug valve and actuator and install in the existing manhole with all necessary piping and fittings for a complete installation. Contractor to install new 8" gate valve, with valve box and lid, on existing water main with all necessary piping and fittings for a complete installation.	1	LS	\$26,018
Task 4	Contractor to remove existing pressure transmitter and install new submersible pressure transducer with all necessary instrumentation and accessories for a complete installation.	1	LS	\$4,108
Task 5	Contractor to provide all labor and materials necessary to add running and runtime monitoring to the Wastewater Treatment Plant SCADA for the existing 8 aerators and 2 mixers.	1	LS	\$16,323
	NET CHANGE IN CONTRACT PRICE =			
	TOTAL CHANGE IN CONTRACT PRICE			