

CHANGE ORDER APPROVAL FORM

PROJECT: Transmission Mains Hydraulic Modeling CHANGE ORDER NUMBER: 1

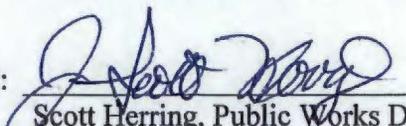
DATE: 08/14/2017

CONTRACT NUMBER: CM1831-WA13

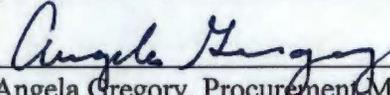
TO CONTRACTOR: GAI Consultants, Inc.

Reason for Change Order: A time extension of 4 months is requested, due to some additional data collection efforts which delayed modeling development. This time will also allow for further time in review/finalizing of the model with the County. Also a revision to the scope tasks is requested. Originally, Task 3 was established for updating the AutoCAD water map. However, with issues in the CAD data discovered, a different approach was taken for the modeling, mainly working through GIS. This eliminated the remaining Task 3 effort, but results in a greater effort for Task 4. GAI is requesting that the remaining unbilled budget for Task 3 (\$13,951.68) be transferred to Task 4.

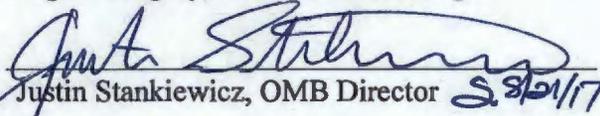
Original Contract Sum.....	\$	<u>88,310.00</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>0.00</u>
Contract Sum Prior to This Change Order.....	\$	<u>88,310.00</u>
Amount of This Change Order (Add/Deduct).....	\$	<u>0.00</u>
New Contract Sum Including this Change Order.....	\$	<u>88,310.00</u>

APPROVED BY: 
Scott Herring, Public Works Director

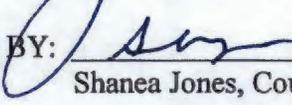
DATE: 8/14/17

APPROVED BY: 
Angela Gregory, Procurement Manager

DATE: 8/16/17

APPROVED BY: 
Justin Stankiewicz, OMB Director 8/21/17

DATE: 8/22/17

APPROVED BY: 
Shanea Jones, County Manager

DATE: 8-23-17

ACCOUNT NO.: 71500533-531400 HMODL



Jacksonville Office
1301 Riverplace Boulevard
Suite 900
Jacksonville, Florida 32207

T 904.363.1110
F 904.363.1115

August 7, 2017

GAI Project No. A120925.12

Ms. Becky Hiers-Bray, PE
Nassau County
96161 Nassau Place
Yulee, Florida 32097

**Subject: Nassau Amelia Utilities
Transmission Mains Hydraulic Modeling
Scope Amendment - CM1831 WA13**

Dear Ms. Hiers-Bray:

This letter provides GAI's request for and revision of the scope for the water system modeling work approved under CM1831 WA13.

GAI Consultant, Inc. (GAI) is currently developing the hydraulic model. We are requesting two revisions to the scope as follows:

- A time extension of 4 months is requested, due to some additional data collection efforts which delayed modeling development. This time will also allow for further time in review/finalizing of the model with the County.
- A revision to the scope tasks is requested. Originally, Task 3 was established for updating the AutoCAD water map. However, with issues in the CAD data discovered, a different approach was taken for the modeling, mainly working through GIS. This eliminated the remaining Task 3 effort, but results in a greater effort for Task 4. We are requesting that the remaining unbilled budget for Task 3 (\$13,951.68) be transferred to Task 4.

We appreciate the opportunity to continue to provide engineering services to Nassau County. If you have any questions or would like to discuss the recommended change, please do not hesitate to contact us.

Sincerely,

GAI Consultants, Inc.

A handwritten signature in cursive script, appearing to read 'Scott Richards'.

Scott Richards

Sr. Engineering Manager - Water

321.319.3039 direct / 321.377.0753 cell

EXHIBIT B - BUDGET TRANSMISSION MAINS HYDRAULIC MODEL 8/8/2017)		(REVISED)	POSITION	Engineering Manager	Lead Engineer	Senior Engineer	Project Engineer	Expenses	HOURS/ TASK	TOTAL FEE/ TASK
			RATE	\$ 172.70	\$ 143.17	\$ 120.72	\$ 97.82	\$		
Task 1 – Project Management										
	1 Kick-off Meeting			4	4			40.00	8	\$ 1,303.48
	2 Progress Meetings			8	8			80.00	16	\$ 2,606.96
	LABOR FEE	\$ 3,910.44	\$ 2,072.40	\$ 1,718.04	\$ -	\$ -	\$ 120.00			\$ 3,910.44
	HOURS	24	12	12	0	0			24	
	TASK 1 SUM									\$ 3,910.50
Task 2 – Data Collection										
	1 Collect flow data (wells and WTP)						20	100.00	20	\$ 2,056.40
	2 Indicate the estimated age of pipelines						40	200.00	40	\$ 4,112.80
	3 Identify the major water usages			4	10	35		245.00	49	\$ 6,592.70
	4 Assigned flow demands			4	10	35		245.00	49	\$ 6,592.70
	5 Assign fire flow requirement			4	10	35		245.00	49	\$ 6,592.70
	6 Collect outstanding availability letters and FDEP permits						40	200.00	40	\$ 4,112.80
	LABOR FEE	\$ 30,060.10	\$ 2,072.40	\$ 4,295.10	\$ 12,675.60	\$ 9,782.00	\$ 1,235.00			\$ 30,060.10
	HOURS	247	12	30	105	100			247	
	TASK 2 SUM									\$ 30,060.10
Task 3 – Update water map in AutoCAD (Limited Amount Not-to-Exceed)										
	1 Update water map in AutoCAD					6			6	\$ 724.32
	LABOR FEE	\$ 724.32	\$ -	\$ -	\$ 724.32	\$ -	\$ -			\$ 724.32
	HOURS	6	0	0	6	0			6	
	TASK 3 SUM									\$ 724.40
Task 4 – Data Assessment/Modeling										
	1 Select flows to model			8	8			80.00	16	\$ 2,606.96
	2 Model the present, 10-year, and 20-year water demand			16		34	160	1,080.00	210	\$ 23,598.88
	3 Assess the amount storage required					20		100.00	20	\$ 2,514.40
	4 Create tables			8		40		240.00	48	\$ 6,450.40
	5 Prepare Technical Memorandum 1 (TM 1)			8	8	20	10	230.00	46	\$ 6,149.56
	LABOR FEE	\$ 41,320.20	\$ 6,908.00	\$ 2,290.72	\$ 13,762.08	\$ 16,629.40	\$ 1,730.00			\$ 41,320.20
	HOURS	340	40	16	114	170			340	
	TASK 4 SUM									\$ 41,320.20

EXHIBIT B - BUDGET TRANSMISSION MAINS HYDRAULIC MODEL 8/8/2017)		(REVISED	POSITION	Engineering Manager	Lead Engineer	Senior Engineer	Project Engineer	Expenses	HOURS/ TASK	TOTAL FEE/ TASK
		RATE	\$ 172.70	\$ 143.17	\$ 120.72	\$ 97.82	\$			
Task 5 – Findings and Recommendations										
1 Make recommendations and suggestions to meet future demands			4	8	4		80.00	16	\$	2,399.04
2 Prepare and submit draft TM 2 – Findings and Recommendations			4	8	4		80.00	16	\$	2,399.04
3 Prepare and submit final TM-2			4	4	4		60.00	12	\$	1,806.36
4 Provide and review with the County how to use the Excel model			32				160.00	32	\$	5,686.40
LABOR FEE		\$ 12,290.84	\$ 7,598.80	\$ 2,863.40	\$ 1,448.64	\$ -	\$ 380.00			\$ 12,290.84
HOURS		76	44	20	12	0	-	76		
TASK 5 SUM										\$ 12,290.90
TOTAL PROJECT LABOR FEE		\$ 88,305.90	\$ 18,651.60	\$ 11,167.26	\$ 28,610.64	\$ 26,411.40	\$ 3,465.00			\$ 88,305.90
TOTAL PROJECT HOURS		693	108	78	237	270	-	693		
TOTAL PROJECT LUMP SUM										\$ 88,310.00

CHANGE ORDER APPROVAL FORM

PROJECT: NAU Clarifier No. 1 and No. 2 Rehabilitation CHANGE ORDER NUMBER: 1

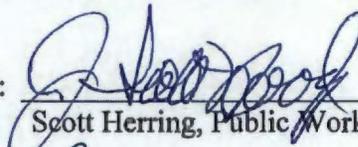
DATE: 08/14/2017

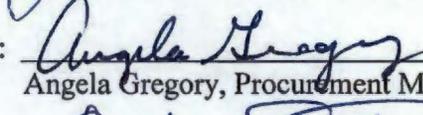
CONTRACT NUMBER: CM1831-WA12

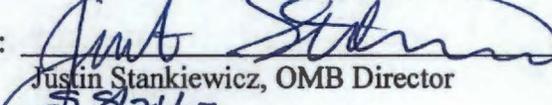
TO CONTRACTOR: GAI Consultants, Inc.

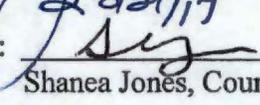
Reason for Change Order: A time extension of 12 months for duration of the bidding and construction.

Original Contract Sum.....	\$	<u>106,710.00</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>0.00</u>
Contract Sum Prior to This Change Order.....	\$	<u>106,710.00</u>
Amount of This Change Order (Add/Deduct).....	\$	<u>0.00</u>
New Contract Sum Including this Change Order.....	\$	<u>106,710.00</u>

APPROVED BY:  DATE: 8/14/17
Scott Herring, Public Works Director

APPROVED BY:  DATE: 8/16/17
Angela Gregory, Procurement Manager

APPROVED BY:  DATE: 8/22/17
Justin Stankiewicz, OMB Director

APPROVED BY:  DATE: 8-23-17
Shanea Jones, County Manager

ACCOUNT NO.: 71500535-563551 WWSC



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T 904.363.1110
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August 7, 2017

GAI Project No. A120925.12

Ms. Becky Hiers-Bray, PE
Nassau County
96161 Nassau Place
Yulee, Florida 32097

**Subject: Nassau Amelia Utilities
Clarifiers 1 & 2 Rehabilitation
Scope Amendment – CM1831 WA12**

Dear Ms. Hiers-Bray:

This letter provides GAI's request for additional time in order to complete the design and construction administration services as per the current scope of work approved under CM1831 WA12.

GAI Consultant, Inc. (GAI) is currently completing the design. However, with the anticipated timeframe to bid and construct the project, additional time is required for the project. Based on the anticipated bidding and construction duration, we are requesting the contract be extended for 12 months.

The original project scope and fee remains unchanged.

We appreciate the opportunity to continue to provide engineering services to Nassau County. If you have any questions or would like to discuss the recommended change, please do not hesitate to contact us.

Sincerely,

GAI Consultants, Inc.

A handwritten signature in black ink, appearing to read 'M. Scott Richards'.

Scott Richards

Sr. Engineering Manager - Water
321.319.3039 direct / 321.377.0753 cell