

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE APPROVAL OF CHANGE ORDER NO. 1 FOR JACOBS ENGINEERING GROUP, INC. RELATIVE TO CONTRACT NO. W-10-004-101, EAST BRAINERD PUMP STATION UPGRADE AND COLLECTION SYSTEM REHAB, FOR AN INCREASED AMOUNT OF NINETY-SEVEN THOUSAND FOUR HUNDRED SEVENTEEN AND 17/100 DOLLARS (\$97,417.17), FOR A REVISED CONTRACT AMOUNT NOT TO EXCEED TWO MILLION FOUR HUNDRED FIFTY-NINE THOUSAND EIGHT HUNDRED TWENTY-SEVEN AND 17/100 DOLLARS (\$2,459,827.17).

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA, it is hereby authorizing the approval of Change Order No. 1 for Jacobs Engineering Group, Inc. relative to Contract No. W-10-004-101, East Brainerd Pump Station Upgrade and Collection System Rehab, for an increased amount of \$97,417.17, for a revised contract amount not to exceed \$2,459,827.17.

ADOPTED: _____, 2016

/mem

City of Chattanooga



Resolution/Ordinance Request Form

Date Prepared: April 28, 2016

Preparer: Dennis Malone

Department: Public Works

Brief Description of Purpose for Resolution/Ordinance: _____ Res./Ord. # _____ Council District # 1

A City Council resolution is requested to approve the Change Order No. 1, for Jacobs Engineering Group, Inc., relative to Contract No. W-10-004-101, East Brainerd Pump Station Upgrade and Collection System Rehab, for an increased amount of \$97,417.17, for a revised contract amount not to exceed \$2,459,827.17.

Name of Vendor/Contractor/Grant, etc. <u>Jacobs Engineering Group, Inc.</u>		New Contract/Project? (Yes or No) <u>No</u>
Total project cost \$	<u>2,459,827.17</u>	Funds Budgeted? (YES or NO) <u>Yes</u>
Total City of Chattanooga Portion \$	<u>2,459,827.17</u>	Provide Fund <u>6011</u>
City Amount Funded \$	<u>2,459,827.17</u>	Provide Cost Center <u>K42112 ISS</u>
New City Funding Required \$	<u>0</u>	Proposed Funding Source if not budgeted _____
City's Match Percentage %	<u>N/A</u>	Grant Period (if applicable) _____

List all other funding sources and amount for each contributor.

Amount(s)	Grantor(s)
\$ <u>2,459,827.17</u>	<u>K42112 - ISS (SRF Funding)</u>

Agency Grant Number _____

CFDA Number if known _____

Other comments: (Include contingency amount, contractor, and other information useful in preparing resolution)

ISS Funding in previous Fiscal Year - SRF Loan

Approved by:  DESIGNATED OFFICIAL/ADMINISTRATOR

Reviewed by: FINANCE OFFICE

Please submit completed form to @budget, City Attorney and City Finance Officer

Revised: 1/26/09



CITY OF CHATTANOOGA
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

1250 Market Street, Suite 2100
Chattanooga, TN 37402
Phone: (423) 643-6033
Fax: (423) 643-6008

CHANGE ORDER

Contract No.:	<u>W-10-004-101</u>	Change Order No.:	<u>1</u>
Contractor:	<u>N/A</u>	Date:	<u>4/27/2016</u>
Engineer:	<u>Jacobs Engineering Group, Inc.</u>	Council Resolution No.:	<u>26610</u>
Project Name:	<u>East Brainerd Pump Station Rehabilitation Project</u>	(Attach Copies)	

Check Reason for Change Order	Contract Days Changed:	<u>NA</u>	Original Contract Amount	\$ <u>2,362,410.00</u>
<input type="checkbox"/> Error/Omission			Net Change by Previous C.O.s	\$ _____
<input type="checkbox"/> Field Condition	Revised Completion Date:	<u>NA</u>	Contract Amount Prior to this C.O.	\$ <u>2,362,410.00</u>
<input type="checkbox"/> Field Dispute Settlement			Total Amount of this C.O.	\$ <u>97,417.17</u>
<input checked="" type="checkbox"/> Owner Request			NEW CONTRACT AMOUNT	\$ <u>2,459,827.17</u>
<input type="checkbox"/> Value Engineering				

Other:

Description / Justification (Add more pages if necessary)

This project was budgeted as a 9 month construction duration and a 15 MGD 3 pump submersible pump station within the existing pump station fence. The project evolved into a much larger pump station (25 MGD capacity) requiring a larger cast-in-place wetwell and four pumps and the incorporation of the WWTA pump station combined into it due to property constraints. Due to the increased size and complexity, the additional effort to administer the construction effort comes to an estimated increase of approximately 30% Construction Administration effort for an increase of \$30,170. Resident Inspections were originally planned for 9 months and the project schedule has now been extended to 18 months due to the increase in project scope. We have managed efforts judiciously through the first 6 months of construction and are estimating an additional \$62,715 to reach completion. As the schedule was significantly delayed during design due to property acquisitions with the WWTA pump station and South Chickamauga Creek environmental open cut permitting, the City's standard controls schematic has changed and engineering revisions are necessary to accommodate these changes. These revisions are estimated at \$9,932 and include coordination with the City, component investigation, drawing and specification revisions, and QA/QC and inter-discipline coordination. This change request utilizes unused fee from completed tasks such as construction administration of the collection system rehabilitation Project.

The terms and conditions of this Change Order, including the cost and time contained herein, constitute a full accord and complete satisfaction for all costs and time of performance related to the work described or referenced herein, including but not limited to, all delay and impact costs for the entire Project resulting from this Change Order. Except as amended herein, all provisions of the Contract remain in full force and effect.

APPROVALS

CONTRACTOR

CONSULTANT

N/A

Ch C. Pak

4/27/2016

Signature _____ Date _____

Signature _____ Date _____

CONSENT DECREE PROGRAM MANAGER

CITY PROJECT MANAGER

[Signature]

4/27/16

Ronald Simmons

5/2/2016

Signature _____ Date _____

Signature _____ Date _____

CITY ENGINEER

DIRECTOR OF WASTE RESOURCES DIVISION

[Signature]

4/29/16

Signature _____ Date _____

Signature _____ Date _____

ADMINISTRATOR OF PUBLIC WORKS

CITY FINANCE OFFICER

Signature _____ Date _____

Signature _____ Date _____

RESOLUTION NO. 26610

A RESOLUTION AUTHORIZING THE ADMINISTRATOR OF THE DEPARTMENT OF PUBLIC WORKS TO ENTER INTO AN AGREEMENT WITH JACOBS ENGINEERING GROUP, INC. FOR PROFESSIONAL SERVICES RELATIVE TO CONTRACT NO. W-10-004-101, EAST BRAINERD PUMP STATION UPGRADE AND COLLECTION SYSTEM REHAB, IN AN AMOUNT NOT TO EXCEED TWO MILLION THREE HUNDRED SIXTY-TWO THOUSAND FOUR HUNDRED TEN DOLLARS (\$2,362,410.00).

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA, it is hereby authorizing the Administrator of the Department of Public Works to enter into an agreement with Jacobs Engineering Group, Inc. for professional services relative to Contract No. W-10-004-101, East Brainerd Pump Station Upgrade and Collection System Rehab, in an amount not to exceed \$2,362,410.00.

ADOPTED: March 1, 2011.

/mms



CITY OF CHATTANOOGA
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

1250 Market Street, Suite 2100
Chattanooga, TN 37402
Phone: (423) 643-6033
Fax: (423) 643-6008

PROFESSIONAL SERVICES CHANGE REQUEST FORM (CRF)

Contract No.: W-10-004-101 Change Request No.: 3
 Engineer: Jacobs Engineering Group Inc. Date Issued: 4/21/2016
 Project Name: East Brainerd Pump Station Rehabilitation Project Purchase Order No.: 510300
 Requested By: Chris Palmer

Description / Justification (Add more pages if necessary)

This project was budgeted as a 9 month construction duration and a 15 MGD 3 pump submersible pump station within the existing pump station fence. The project evolved into a much larger pump station (25 MGD capacity) requiring a larger cast-in-place wetwell and four pumps and the incorporation of the WWTA pump station combined into it due to property constraints. Due to the increased size and complexity, the additional effort to administer the construction effort comes to an estimated increase of approximately 30% Construction Administration effort for an increase of \$30,170. Resident Inspections were originally planned for 9 months and the project schedule has now been extended to 18 months due to the increase in project scope. We have managed efforts judiciously through the first 6 months of construction and are estimating an additional \$62,715 to reach completion. As the schedule was significantly delayed during design due to property acquisitions with the WWTA pump station and South Chickamauga Creek environmental open cut permitting, the City's standard controls schematic has changed and engineering revisions are necessary to accommodate these changes. These revisions are estimated at \$9,932 and include coordination with the City, component investigation, drawing and specification revisions, and QA/QC and inter-discipline coordination. This change request utilizes unused fee from completed tasks such as construction administration of the collection system rehabilitation Project.

Revised Scope Description/Details

Task No.	Description	Current Fee	Additional Fee	Revised Fee
Basic Services:				
1	SSES/Concept/SRF/PM	\$ 1,024,201.00		\$ 1,024,201.00
2	Design Services-Pump Station Upgrade	\$ 242,864.00		\$ 242,864.00
3	Bid and Award Services-Pump Station Upgrade	\$ 34,925.00		\$ 34,925.00
4	Construction Admin Services-Pump Station Upgrade	\$ 100,566.00	\$ 40,102.00	\$ 140,668.00
5	Design Services-Collection System Rehab	\$ 264,330.00		\$ 264,330.00
6	Bid and Award Services-Collection System Rehab	\$ 31,000.00	\$ (450.84)	\$ 30,549.16
7	Construction Admin Services-Collection System Rehab	\$ 126,430.00	\$ (4,799.28)	\$ 121,630.72
	<i>Basic Services Subtotal:</i>	<i>\$ 1,824,316.00</i>	<i>\$ 34,851.88</i>	<i>\$ 1,859,167.88</i>
Supplemental Services:				
8.1-8.4	Surveying/Geotechnical/Easements/Permits	\$ 78,698.00		\$ 78,698.00
8.5	Resident Project Representative- Collection System Rehab	\$ 198,150.00	\$ (149.71)	\$ 198,000.29
8.6	Resident Project Representative- Pump Station Upgrade	\$ 148,750.00	\$ 62,715.00	\$ 211,465.00
8.7	Additional Services	\$ 112,496.00		\$ 112,496.00
	<i>Supplemental Services Subtotal:</i>	<i>\$ 538,094.00</i>	<i>\$ 62,565.29</i>	<i>\$ 600,659.29</i>
	Total Contract Amount:	\$ 2,362,410.00	\$ 97,417.17	\$ 2,459,827.17

Contractor Acknowledgement:

No Change in Contract Amount is required. A Change in Contract Amount is required: \$ 97,417.17
 No Change in Contract Time is required. A Change in Contract Time is required: _____ days

APPROVALS

		CONSULTANT	
N/A		 Signature Date: 4/21/2016	
CONSENT DECREE PROGRAM MANAGER		CITY PROJECT MANAGER	
Change in Contract Amount is within the Contingency Amount authorized under Resolution No.: _____ <input type="checkbox"/> Yes <input type="checkbox"/> No Signature Date: 4/27/16		Change in Contract Amount is within the Contingency Amount authorized under Resolution No.: <u>26610</u> <input type="checkbox"/> Yes <input type="checkbox"/> No Signature Date: 4-25-16	
ASSISTANT CITY ENGINEER		DIRECTOR OF WASTE RESOURCES DIVISION	
Proceed with Execution <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Signature Date: 4/25/16		Proceed with Execution <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Signature Date: 4/27/16	