

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE APPROVAL OF CHANGE ORDER NO. 1 FOR MAYSE CONSTRUCTION COMPANY RELATIVE TO CONTRACT NO. W-10-005-201, ENTERPRISE SOUTH INDUSTRIAL PARK SANITARY SEWER UPGRADE, PHASE 2, FOR AN INCREASED AMOUNT OF ONE MILLION EIGHTY-FOUR THOUSAND THREE HUNDRED NINETY AND 07/100 DOLLARS (\$1,084,390.07), FOR A REVISED CONTRACT AMOUNT NOT TO EXCEED SEVEN MILLION TWENTY-NINE THOUSAND EIGHT HUNDRED AND 27/100 DOLLARS (\$7,029,800.27).

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA, it is hereby authorizing the approval of Change Order No. 1 for Mayse Construction Company relative to Contract No. W-10-005-201, Enterprise South Industrial Park Sanitary Sewer Upgrade, Phase 2, for an increased amount of \$1,084,390.07, for a revised contract amount not to exceed \$7,029,800.27.

ADOPTED: _____, 2015

/mem

City of Chattanooga



Resolution/Ordinance Request Form

Date Prepared: March 15, 2015

Preparer: Dennis Malone

Department: Public Works

Brief Description of Purpose for Resolution/Ordinance:

Res./Ord. # _____ Council District # 6

A City Council resolution is requested to approve the Change Order No. 1, for Mayse Construction Company, relative to Contract No. W-10-005-201, Enterprise South Industrial Park Sanitary Sewer Upgrade, Phase 2, for an increased amount of \$1,084,390.07, for a revised contract amount not to exceed \$7,029,800.27.

Name of Vendor/Contractor/Grant, etc.	<u>Mayse Construction Company</u>	New Contract/Project? (Yes or No)	<u>No</u>
Total project cost \$	<u>7,029,800.27</u>	Funds Budgeted? (YES or NO)	<u>Yes</u>
Total City of Chattanooga Portion \$	<u>7,029,800.27</u>	Provide Fund	<u>6012</u>
City Amount Funded \$	<u>7,029,800.27</u>	Provide Cost Center	<u>K37118</u>
New City Funding Required \$	<u>634,390.07</u>	Proposed Funding Source if not budgeted	_____
City's Match Percentage %	_____	Grant Period (if applicable)	<u>CWSRF 2011-289</u>

List all other funding sources and amount for each contributor.

EDA Grant

Amount(s)	Grantor(s)
<u>\$5,113,668.27</u>	<u>SRF Loan CWSRF 2011-289</u>
<u>\$1,916,132.00</u>	<u>EDA Grant</u>

Agency Grant Number _____

CFDA Number if known _____

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

ISS Consent Decree Funds _____

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**

Development Resource Center
1250 Market Street, Suite 2100
Chattanooga, TN 37402
Phone: (423) 643-6000
Fax: (423) 643-6007

CHANGE ORDER

Contract No.:	<u>W-10-005-201</u>	Change Order No.:	<u>1</u>
Contractor:	<u>Mayse Construction Company</u>	Date:	<u>5/15/2015</u>
Project Name:	<u>Enterprise South Industrial Park Sanitary Sewer</u>	Council Res. #'s:	<u>27830</u>
	<u>Upgrade - Phase 2</u>	(Attach Copies)	

Check Reason for Change Order	Contract Days Changed: <u>249</u>	Original Contract Amount	\$ <u>5,945,410.20</u>
<input type="checkbox"/> Error/Omission	Revised Completion Date: <u>Nov. 10, 2015</u>	Net Change by Previous C.O.s	\$ <u>0.00</u>
<input checked="" type="checkbox"/> Field Condition		Contract Amount Prior to this C.O.	\$ <u>5,945,410.20</u>
<input checked="" type="checkbox"/> Field Dispute Settlement		Total Amount of this C.O.	\$ <u>1,084,390.07</u>
<input type="checkbox"/> Owner Request		NEW CONTRACT AMOUNT	\$ <u>7,029,800.27</u>
<input type="checkbox"/> Value Engineering			
<input type="checkbox"/> Other: _____			

Description / Justification (Add more pages if necessary)
Relative to change of conditions at the Railroad Bore Location, the old Pavestone site, which is now in operation with manufacturing upgrades requiring a change to the rock removal method across the site, and other changes as reflected in CRF's 1-6.

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		ENGINEER / ARCHITECT	
	<u>5-22-15</u>		<u>5/22/15</u>
Signature	Date	Signature	Date
CONSENT DECREE PROGRAM MANAGER		CITY ENGINEER	
<u>IN PROGRESS</u>			<u>5/22/15</u>
Signature	Date	Signature	Date
ADMINISTRATOR OF PUBLIC WORKS		CITY FINANCE OFFICER	
Signature	Date	Signature	Date

RESOLUTION NO. 27830

A RESOLUTION AUTHORIZING THE ADMINISTRATOR OF THE DEPARTMENT OF PUBLIC WORKS TO AWARD CONTRACT NO. W-10-005-201, ENTERPRISE SOUTH INDUSTRIAL PARK SANITARY SEWER UPGRADE, PHASE 2, TO MAYSE CONSTRUCTION COMPANY, IN THE AMOUNT OF FIVE MILLION NINE HUNDRED FORTY-FIVE THOUSAND FOUR HUNDRED TEN AND 20/100 DOLLARS (\$5,945,410.20) WITH A CONTINGENCY AMOUNT OF FOUR HUNDRED FIFTY THOUSAND DOLLARS (\$450,000.00), FOR AN AMOUNT NOT TO EXCEED SIX MILLION THREE HUNDRED NINETY-FIVE THOUSAND FOUR HUNDRED TEN AND 20/100 DOLLARS (\$6,395,410.20), SUBJECT TO SRF LOAN APPROVAL.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA, TENNESSEE, that the Administrator of the Department of Public Works to award Contract No. W-10-005-201, Enterprise South Industrial Park Sanitary Sewer Upgrade, Phase 2, to Mayse Construction Company, in the amount of \$5,945,410.20 with a contingency amount of \$450,000.00, for an amount not to exceed \$6,395,410.20, subject to SRF loan approval.

ADOPTED: April 15, 2014

/mem



CHANGE REQUEST FORM (CRF)

City Contract No. W-10-005
 Project Name: ESIP Sanitary Sewer Upgrade Phase 2
 Engineer: Barge Waggoner Sumner & Cannon, Inc.
 Contractor: Mayse Construction Company

Requested By: Richard T. Mayse
 Drawing: RFI #3 affects sheet C5.01, C5.02 and C5.03, RFI #6 work vicinity shown on Sheet C5.03
 Problem Desc: See attached RFI #3 and #6, and additional description below.

Revised Scope Description/Details

Per RFI #3 Add 8" stub by coring, booting, and reworking invert in manhole A-8. Cost = \$945.00

Per RFI #6 We are requesting compensation for the additional effort due to unanticipated rock excavation by hoe ram in the bore pit for the 54" bore at the rail road due to junk, broken bricks, mud, etc. that was back-filled in this area. This made it impossible to drill and shoot the rock due to the drill holes collapsing immediately upon removal of the drill which prevented the loading of explosives in the drilled holes, therefore we had to hoe ram the rock. The process to get the rock hoe rammed was to excavate the over burden, hoe ram the rock and then back fill the pit. Back-filling was necessary because if bore pit was left open the site would have deteriorated and became unworkable. The bore and jack sub contractor has the responsibility to excavate the bore and receiving pits. The effort by Mayse Construction to remove the rock was not planned, therefore Mayse Construction is requesting approval of a change order for the additional effort. (see attached sheet for break down). Cost = \$15,715.57 (See additional scope description from BWSC correspondence with Jacobs and emails and sketch from contractor.

Total Cost = \$945.00 + \$15,715.57 = \$16,660.57

Contractor Acknowledgement:	
<input checked="" type="checkbox"/> No Change in Contract Amount is required.	<input type="checkbox"/> A Change in Contract Amount is required: <u>\$16,660.57</u>
<input checked="" type="checkbox"/> No Change in Contract Time is required.	<input type="checkbox"/> A Change in Contract Time is required: _____ days
<u>[Signature]</u> 10/13/14 Architect / Engineer / Inspector / RPR	<u>[Signature]</u> 10/10/14 Contractor
Change in Contract Amount is within the Contingency Amount authorized under Resolution No. _____ <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u>[Signature]</u> 10-27-14 Engineer / Architect Project Manager	Proceed with Execution <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u>[Signature]</u> 10-29-14 City Project Manager

Distribution: City Engineer; Central Files



CHANGE REQUEST FORM (CRF)

City Contract No. W-10-005
 Project Name: ESIP Sanitary Sewer Upgrade Phase 2
 Engineer: Barge Waggoner Sumner & Cannon, Inc.
 Contractor: Mayse Construction Company

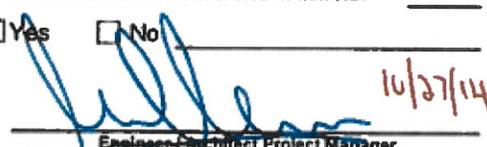
Requested By: Richard T. Mayse
 Drawing: RFI #9 affects the hatches and grates for the pump station
 Problem Desc: See attached RFI #9, and additional description below.

Revised Scope Description/Details

Per RFI #9

Per our Sept. 17th 2:00 meeting and previous subsequent meeting for the hatches and safety grates over the pumps at the ESIP pump station. We are providing shop drawings and a cost break down with this RFI to change the hatch and grates over pumps 3,4, and 5. Also to change from the netting over pumps EP-1 and EP-2 to a hatch and safety grate aswell. The beam pocket will fold up with the safety grate and there will be no restrictions for the pumps. The additional cost that will be added to the contract is:\$14,180.40

Total Cost = \$14,180.40

Contractor Acknowledgement: <input checked="" type="checkbox"/> No Change in Contract Amount is required. <input type="checkbox"/> A Change in Contract Amount is required: <u>\$14,180.40</u> <input checked="" type="checkbox"/> No Change in Contract Time is required. <input type="checkbox"/> A Change in Contract Time is required: _____ days	
 <u>10/3/14</u> Architect / Engineer / Inspector / PRP	 Contractor
Change in Contract Amount is within the Contingency Amount authorized under Resolution No. _____ <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  <u>10/27/14</u> Engineer/Architect Project Manager	Proceed with Execution <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  <u>10-29-14</u> City Project Manager

Distribution: City Engineer; Central Files



CHANGE REQUEST FORM (CRF)

City Contract No. W-10-005
Project Name: ESIP Sanitary Sewer Upgrade Phase 2
Engineer: Barge Waggoner Sumner & Cannon, Inc.
Contractor: Mayse Construction Company

Requested By: Richard T. Mayse
Drawing: Multiple Sheets
Problem Desc: As described below

Revised Scope Description/Details

Compensation for additional labor and material costs associated with reduced productivity (rock excavation by hoe ram means in lieu of drilling and blasting) caused by Differing Physical Condition (high risk of damage by normal rock blasting operations to large heat exchangers constructed on site by property owner after project was bid). \$183,341.60 to be paid at unit price of \$414.80/lf for actual rock encountered (est. 442 lf)

Compensation for additional labor and material costs associated with demobilization and remobilization performed by contractor and additional final tie-ins to maintain overall project progress and to avoid delay claims caused by negotiations associated with Differing Subsurface Condition at railroad bore. = \$101,800.77

Addition of canopies over doorways at Pump Station building = \$1,637.77

Compensation for additional costs associated with locating existing casing under railroad (near force main station 41+00) which allowed the reuse of the existing casing and deletion of a new casing required under this contract, thus providing a net savings to City after unit price quantity reconciliation at end of project. = \$5,089.70

Total = \$291,869.84

This cost is within the contingency amount for the project, so the contract amount is unchanged.

Contractor Acknowledgement:	
<input type="checkbox"/> No Change in Contract Amount is required.	<input checked="" type="checkbox"/> A Change in Contract Amount is required: <u>\$291,869.84</u>
<input type="checkbox"/> No Change in Contract Time is required.	<input checked="" type="checkbox"/> A Change in Contract Time is required: <u>99 days</u>
_____ Architect / Engineer / Inspector / RPR	_____ Contractor
Change in Contract Amount is within the Contingency Amount authorized under Resolution No. _____ <input type="checkbox"/> Yes <input type="checkbox"/> No _____ _____ Engineer / Architect Project Manager	Proceed with Execution <input type="checkbox"/> Yes <input type="checkbox"/> No _____ _____ City Project Manager



CHANGE REQUEST FORM (CRF)

City Contract No. W-10-005
Project Name: ESIP Sanitary Sewer Upgrade Phase 2
Engineer: Barge Waggoner Sumner & Cannon, Inc.
Contractor: Mayse Construction Company

Requested By: Richard T. Mayse
Drawing: Sheet C5.03.
Problem Desc: Differing Subsurface Condition at railroad bore pit near STA 39+04, generally described as (1) extensive rubble fill/waste area in addition to and combination with (2) unusually high groundwater flow, in an area that was generally inaccessible prior to bidding.

Revised Scope Description/Details

Acceptance of Contractor's proposal to (1) replace rubble fill/waste area with concrete and provide high capacity groundwater removal facilities in order to stabilize excavated area thus allowing its conversion from a launching pit to a receiving pit associated with the railroad bore, (2) re-mobilize to the opposite side of the railroad to advance the bore and (3) extend the proposed casing pipe through the new concrete.

Cost Breakdown:

Stabilize rubble fill/waste area for concrete placement, implement high capacity groundwater removal plan for concrete placement and railroad bore construction, and remobilization to opposite side of railroad = **\$651,923.56**
 Concrete fill for rubble fill/waste area replacement at contract unit prices. Estimated quantity of 412 CY = \$47,627.20
 52 ft casing extension thru new concrete = \$89,879.40 @ contract unit price
 Total cost = **\$789,430.16**

Contractor Acknowledgement:	
<input type="checkbox"/> No Change in Contract Amount is required.	<input checked="" type="checkbox"/> A Change in Contract Amount is required: \$789,430.16
<input type="checkbox"/> No Change in Contract Time is required.	<input checked="" type="checkbox"/> A Change in Contract Time is required: 150 days
_____	_____
Architect / Engineer / Inspector / RPR	Contractor
Change in Contract Amount is within the Contingency Amount authorized under Resolution No. _____ <input type="checkbox"/> Yes <input type="checkbox"/> No _____	Proceed with Execution <input type="checkbox"/> Yes <input type="checkbox"/> No _____
_____	_____
Engineer / Architect Project Manager	City Project Manager

Distribution: City Engineer; Central Files



CHANGE REQUEST FORM (CRF)

City Contract No. W-10-005
Project Name: ESIP Sanitary Sewer Upgrade Phase 2
Engineer: Barge Waggoner Sumner & Cannon, Inc.
Contractor: Mayse Construction Company

Requested By: Richard T. Mayse
Drawing: Sheet C5.12.
Problem Desc: Reduced contract amount due to use of existing casing found at force main station 41+00.

Revised Scope Description/Details

Reduce contract by \$31,515.90 for elimination of new casing at FM Sta 41+00. Contractor will use existing casing found while excavating bore pit.

Contractor Acknowledgement:	
<input type="checkbox"/> No Change in Contract Amount is required.	<input checked="" type="checkbox"/> A Change in Contract Amount is required: <u>-\$31,515.90</u>
<input checked="" type="checkbox"/> No Change in Contract Time is required.	<input type="checkbox"/> A Change in Contract Time is required: _____ days
<u>[Signature]</u> Architect / Engineer / Inspector / RPR	<u>[Signature]</u> Contractor
Change in Contract Amount is within the Contingency Amount authorized under Resolution No. _____ <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Proceed with Execution <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u>[Signature]</u> <u>5/22/15</u> City Project Manager
_____ Engineer / Architect Project Manager	

Distribution: City Engineer; Central Files