

RESOLUTION NO. \_\_\_\_\_

A RESOLUTION AUTHORIZING THE APPROVAL OF CHANGE ORDER NO. 1 (FINAL) FOR HAREN CONSTRUCTION COMPANY, INC., RELATIVE TO CONTRACT NO. W-09-002-201, MOCCASIN BEND WASTEWATER TREATMENT PLANT ODOR CONTROL PROJECT, FOR AN INCREASED AMOUNT OF FIFTY-SIX THOUSAND THREE HUNDRED TWENTY-FOUR AND 16/100 DOLLARS (\$56,324.16), FOR A REVISED CONTRACT AMOUNT NOT TO EXCEED TWO MILLION NINE HUNDRED SEVENTY-EIGHT THOUSAND THREE HUNDRED TWENTY-FOUR AND 16/100 DOLLARS (\$2,978,324.16), AND TO RELEASE THE REMAINING CONTINGENCY FUNDS IN THE AMOUNT OF TWO HUNDRED THIRTY-FIVE THOUSAND SIX HUNDRED SEVENTY-FIVE AND 84/100 DOLLARS (\$235,675.84).

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BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA, it is hereby authorizing the approval of Change Order No. 1 (Final) for Haren Construction Company, Inc., relative to Contract No. W-09-002-201, Moccasin Bend Wastewater Treatment Plant Odor Control Project, for an increased amount of \$56,324.16, for a revised contract amount not to exceed \$2,978,324.16, and to release the remaining contingency funds in the amount of \$235,675.84.

ADOPTED: \_\_\_\_\_, 2013.

/mms

# City of Chattanooga



## Resolution/Ordinance Request Form

Date Prepared: September 10, 2013

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 (Final), for Haren Construction Company, Inc., relative to Contract No. W-09-002-201, Moccasin Bend Wastewater Treatment Plant Odor Control Project, for an increased amount of \$56,324.16, for a revised contract amount not to exceed \$2,978,324.16, and to release the remaining contingency funds in the amount of \$235,675.84.

Name of Vendor/Contractor/Grant, etc.	<u>Haren Construction Company, Inc.</u>	New Contract/Project? (Yes or No)	<u>No</u>
Total project cost \$	<u>2,978,324.16</u>	Funds Budgeted? (YES or NO)	<u>Yes</u>
Total City of Chattanooga Portion \$	<u>2,978,324.16</u>	Provide Fund	<u>6011</u>
City Amount Funded \$	<u>3,214,000.00</u>	Provide Cost Center	<u>K42101</u>
New City Funding Required \$	<u>\$ (235,675.84)</u>	Proposed Funding Source if not budgeted	_____
City's Match Percentage %	_____	Grant Period (if applicable)	_____
<b>List all other funding sources and amount for each contributor.</b>			
<u>Amount(s)</u>	_____	<u>Grantor(s)</u>	_____
<u>\$2,978,324.16</u>	_____	<u>SRF Loan</u>	<u>Pending Approval</u>
_____	_____	_____	_____
_____	_____	_____	_____
Agency Grant Number	_____	_____	_____
CFDA Number if known	_____	_____	_____

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

Approved by: Dennis Malone

Reviewed by: FINANCE OFFICE

DESIGNATED OFFICIAL/ADMINISTRATOR

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

Revised: 1/26/09

RESOLUTION NO. 26981

A RESOLUTION AUTHORIZING THE ADMINISTRATOR OF THE DEPARTMENT OF PUBLIC WORKS TO AWARD CONTRACT NO. W-09-002-201, MOCCASIN BEND WASTEWATER TREATMENT PLANT ODOR CONTROL PROJECT, TO HAREN CONSTRUCTION COMPANY, IN THE AMOUNT OF TWO MILLION NINE HUNDRED TWENTY-TWO THOUSAND DOLLARS (\$2,922,000.00), WITH A CONTINGENCY AMOUNT OF TWO HUNDRED NINETY-TWO THOUSAND DOLLARS (\$292,000.00), FOR AN AMOUNT NOT TO EXCEED THREE MILLION TWO HUNDRED FOURTEEN THOUSAND DOLLARS (\$3,214,000.00), SUBJECT TO SRF LOAN APPROVAL.

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BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA, TENNESSEE, That the Administrator of the Department of Public Works be and is hereby authorized to award Contract No. W-09-002-201, Moccasin Bend Wastewater Treatment Plant Odor Control Project, to Haren Construction Company, in the amount of \$2,922,000.00, with a contingency amount of \$292,000.00, for an amount not to exceed \$3,214,000.00, subject to SRF loan approval.

ADOPTED: February 14, 2012

/mms



CITY OF CHATTANOOGA  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

Development Resource Center  
1250 Market Street, Suite 2100  
Chattanooga, TN 37402  
Phone: (423) 643-6033  
Fax: (423) 643-6027

### CHANGE ORDER

Contract No.:	<u>W-09-002-201</u>	Change Order No.:	<u>No. 1</u>
Contractor:	<u>Haren Construction Co.</u>	Date:	<u>8/26/2013</u>
Project Name:	<u>Moccasin Bend WWTP Odor Control Project</u>	Council Res. #'s: (Attach Copies)	<u>No. 26981</u>
		Purchase Order #	<u></u>

Check Reason for Change Order	Contract Days Changed: <u>From 270 to 316</u>	Original Contract Amount	\$ <u>2,922,000.00</u>
<input type="checkbox"/> Error/Omission		Net Change by Previous C.O.s	\$ <u></u>
<input checked="" type="checkbox"/> Field Condition	Revised Completion Date: <u>8/22/2013</u>	Contract Amount Prior to this C.O.	\$ <u>2,922,000.00</u>
<input type="checkbox"/> Field Dispute Settlement		Total Amount of this C.O.	\$ <u>56,324.16</u>
<input checked="" type="checkbox"/> Owner Request		<b>NEW CONTRACT AMOUNT</b>	\$ <u>2,978,324.16</u>
<input type="checkbox"/> Value Engineering			
<input type="checkbox"/> Other: <u></u>			

Description / Justification  
See attached Change Request Form (CRF) Tracking Summary.

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>8-29-13</u>		<u>9/3/13</u>
Signature	Date	Signature	Date
CITY PROJECT MANAGER		CITY ENGINEER	
	<u>9-4-13</u>		<u>9/10/13</u>
Signature	Date	Signature	Date
ADMINISTRATOR OF PUBLIC WORKS		CITY FINANCE OFFICER	
Signature	Date	Signature	Date

### CHANGE REQUEST FORM (CRF) TRACKING SUMMARY

Contract No. W-09-002-201  
 Project: Moccasin Bend WWTP Odor Control Project  
 Contractor: Haren Construction Co.  
 Engineer: ARCADIS

Updated **8/19/2013**

Total  
 Approved Construction Contingency by Council Resolution 26981 \$ 292,000.00  
 Amount Approved to Date \$ 56,324.16  
 Remaining Construction Contingency = \$ 235,675.84

CRF No.	Description of Work	No. Days Added	Date Submitted	Date Approved by City	Total Cost
1	Deduct for reduced waterline to CB odor units (COR#2)	0	8/20/2012	10/5/2012	(\$1,048.00)
2	Replace (4) rusted vent supports as discussed (COR#3)	0	10/23/2012	10/25/2012	\$1,172.00
3	Change from wedge anchors to masonry anchors (COR#4)	0	10/23/2012	10/25/2012	\$312.00
3	Increase primary clarifier exhaust fan VFD's from 30 HP to 40 HP (COR#5)	0	10/23/2012	10/25/2012	\$1,721.00
3	Change the finish on the duct stanchion supports to hot dipped galvanized (COR#6)	0	10/23/2012	10/25/2012	\$10,059.00
2	Change underground water line piping from PVC to 1" Copper (COR#7)	0	10/23/2012	10/25/2012	\$1,356.00
3	Add second flow switch to PC Odor Control Switch (COR#8)	0	10/23/2012	10/25/2012	\$2,370.00
3	Changes to PC FRP Duct (COR#10)	0	10/23/2012	10/25/2012	(\$765.00)
4	Add BFP to Primary Area (COR #11)	0	1/11/2012	1/17/2013	\$3,589.00
4	Replace proposed footings with spread counterparts	10	1/11/2012	1/17/2013	\$7,510.00
4	Install Dewatering sump/catch basin	2	1/11/2012	1/17/2013	\$0.00
5	Replace Existing Sludge Rake and Scum Rake Motors with Exp. Proof Counterparts (COR#9)	23	2/28/2013	3/21/2013	\$47,455.00
5	Delete unit Price Work from Contract (COR#15)	0	2/28/2013	3/21/2013	(\$20,000.00)
5	Replace 6 existing deteriorated duct supports (COR#16)	9	2/28/2013	3/21/2013	\$0.00
5	Replace condensate traps with ball valves (COR#17)	0	2/28/2013	3/21/2013	\$0.00
6	Install explosion proof seal offs at fan connections, 4 total (COR#18)	2	5/29/2013	6/5/2013	\$2,642.00
7	Deduct \$48.84 (unused remainder of SCADA allowance) (COR#21)	0	8/5/2013		(\$48.84)
<b>Total Days Added =</b>		<b>46</b>	<b>Total Approved To Date =</b>		<b>\$56,324.16</b>

**NOTES:**

Date of NTP Letter	7/30/2012
Construction Start Date	8/6/2012
Original Contract Days	270 calendar days
Approved Added Days	46
<b>Total Contract Days =</b>	<b>316 calendar days</b>
<b>Substantial Completion Deadline =</b>	<b>6/18/2013</b>

Original Contract Amount = \$ 2,922,000.00  
 Total Changes Approved by CRF \$ 56,324.16  
**Revised Contract Amount = \$ 2,978,324.16**

Total Actual Installed Amount thru Pay Request No 1 =	\$ 2,978,324.16
Original Contract Amount =	\$ 2,922,000.00
Final Change Order Amount =	\$ 56,324.16



**CHANGE REQUEST FORM (CRF)**

City Contract No. W-09-002  
 Project Name: Moccasin Bend Wastewater Treatment Plant Odor Control  
 Engineer: ARCADIS  
 Contractor: Haren Construction Company  
 Requested By: Haren  
 Drawing: G-101, W-100  
 Problem Descr: Relocate water line connection to CB odor units

Revised Scope Description/Details

Haren located exist waterline closer to proposed CB odor units, will eliminate road crossing & restoration, see COR #2 letter from Haren 8/13/2012

Item No.	Description	Unit	Qty	Unit Price	Item Total
<b>ADD</b>					
<b>DEDUCT</b>					
1	Reduction in waterline installation	LS			(\$1,048.00)
<b>TOTAL</b>					<b>(\$1,048.00)</b>

**Contractor Acknowledgements**

No Change in Contract Amount is required.       A Change in Contract Amount is required: -\$1,048.00

No Change in Contract Time is required.       A Change in Contract Time is required: \_\_\_\_\_ days

Brad Astum Architect / Engineer / Inspector (RPE)  
[Signature] 10-1-12 Contractor

Change in Contract Amount is within the Contingency Amount authorized under Resolution No. 20091

Yes     No

[Signature] 8/20/12  
 Engineer / Architect Project Manager

**Proceed with Execution**

Yes     No

[Signature] 10.5.12  
 City Project Manager

Distribution: City Engineer; Central Files



**CHANGE REQUEST FORM (CRF)**

City Contract No. W-09-002  
 Project Name: Moccasin Bend Wastewater Treatment Plant Odor Control  
 Engineer: ARCADIS  
 Contractor: Haren Construction Company  
 Requested By: Owner  
 Drawings: W-202  
 Problem Desc: see descriptions below

**Revised Scope Description/Details**

1) Haren will provide/install 4 new duct support brackets to replace the existing rusted brackets on existing duct (located on brick veneer of centrifuge building No. 2 at southwest corner . 2) Haren will use 1" copper tubing for all buried water service lines.

Item No.	Description	Unit	Qty	Unit Price	Item Total
<b>ADD</b>					
1	Replace (4) rusted vent supports as discussed (COR#3)		1	\$1,172.00	\$1,172.00
2	Change underground water line piping from PVC to 1" Copper (COR#7)		1	\$1,356.00	\$1,356.00
<b>DEDUCT</b>					
<b>TOTAL</b>					<b>\$2,528.00</b>

**Contractor Acknowledgment:**

No Change In Contract Amount is required.  A Change In Contract Amount is required: \$2,528.00

No Change In Contract Time is required.  A Change In Contract Time is required: \_\_\_\_\_ days

Brenda Jackson Architect / Engineer / Inspector (RPR) [Signature] Contractor

Change in Contract Amount is within the Contingency Amount authorized under Resolution No. 26981

Yes  No

[Signature] 10/23/12  
 Engineer / Architect Project Manager

**Proceed with Execution**

Yes  No Kadija Amee

Alicia J. Connelle 10-25-12  
 City Project Manager



**CHANGE REQUEST FORM (CRF)**

City Contract No. W-09-002  
 Project Name: Moccasin Bend Wastewater Treatment Plant Odor Control  
 Engineer: ARCADIS  
 Contractor: Haren Construction Company  
 Requested By: Haren  
 Drawing: W-304, W-400, I-102  
 Problem Desc: see descriptions below

Revised Scope Description/Details  
 see descriptions below

Item No.	Description	Unit	Qty	Unit Price	Item Total
<b>ADD</b>					
1	Change from wedge anchors to masonry anchors (COR#4)		1	\$312.00	\$312.00
2	Increase primary clarifier exhaust fan VFD's from 30 HP to 40 HP (COR#5)		1	\$1,721.00	\$1,721.00
3	Change the finish on the duct stanchion supports to hot dipped galvanized (COR#6)		1	\$10,059.00	\$10,059.00
4	Add second flow switch to PC Odor Control Switch (COR#8)		1	\$2,370.00	\$2,370.00
<b>DEDUCT</b>					
5	Changes to PC FRP Duct (COR#10)		1	(\$765.00)	(\$765.00)
<b>TOTAL</b>					<b>\$13,697.00</b>

**Contractor Acknowledgement:**

No Change in Contract Amount is required.       A Change in Contract Amount is required: \$13,697.00  
 No Change in Contract Time is required.       A Change in Contract Time is required: \_\_\_\_\_ days

Brad Ostrom Architect / Engineer / Inspector / RPR      [Signature] Contractor

Change in Contract Amount is within the Contingency Amount authorized under Resolution No. 28991

Yes     No

[Signature] 10/23/12  
 Engineer / Architect Project Manager

Proceed with Execution

Yes     No

Koediz Ansee  
Alice J. Connella 10-25-12  
 City Project Manager

Distribution: City Engineer; Central Files





CR# 5  
 Date Issued: 2/28/2013

PO#: \_\_\_\_\_

**CHANGE REQUEST FORM (CRF)**

City Contract No. W-09-002  
 Project Name: Moccasin Bend Wastewater Treatment Plant Odor Control  
 Engineer: ARCADIS  
 Contractor: Haren Construction Company  
 Requested By: Owner  
 Drawing: W-302, W-305, W-400  
 Problem Desc: See descriptions below and attached COR originals

Revised Scope Description/Details

Item No.	Description	Unit	Qty	Unit Price	Item Total
<b>ADD</b>					
COR-9	Replace existing sludge Rake and Scum Rake Motors with Explosion Proof Counterparts		1	\$47,455.00	\$47,455.00
COR-16	Replace 6 Existing Deteriorated duct supports		1	\$ -	\$ -
COR-17	Install Ball Valves at Condensate Drains as opposed to Traps		1	\$ -	\$ -
<b>DEDUCT</b>					
COR-15	Delete Unit Price Work from Contract (Additional Buried Conduit and Additional Wire for SCADA)		1	(\$20,000.00)	(\$20,000.00)
<b>TOTAL</b>					<b>\$27,455.00</b>

**Contractor Acknowledgement:**

No Change in Contract Amount is required.       A Change in Contract Amount is required: \$27,455.00

No Change in Contract Time is required.       A Change in Contract Time is required: 32 days

Brian Bachman 3/1/13 Architect / Engineer / Inspector / EEP  
[Signature] 3/6/13 Contractor

Change in Contract Amount is within the Contingency Amount authorized under Resolution No. 28881

Yes     No

[Signature] 2/28/13  
 Engineer / Architect Project Manager

Proceed with Execution

Yes     No

[Signature] 3-21-13  
 City Project Manager

Distribution: City Engineer; Central Files

Kacie Amee  
 3-21-13



