

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE ADMINISTRATOR OF THE DEPARTMENT OF PUBLIC WORKS TO AWARD CONTRACT NO. W-11-012-201, MBWWTP SCREEN IMPROVEMENTS AND CONTRACT NO. W-12-017-201, MBWWTP HYDRAULIC AND PUMP IMPROVEMENTS TO HAREN CONSTRUCTION COMPANY, INC., IN THE AMOUNT OF TWELVE MILLION SIX HUNDRED SIXTY-SEVEN THOUSAND DOLLARS (\$12,667,000.00), WITH A CONTINGENCY AMOUNT OF SIX HUNDRED SEVENTY THOUSAND DOLLARS (\$670,000.00), FOR AN AMOUNT NOT TO EXCEED THIRTEEN MILLION THREE HUNDRED THIRTY-SEVEN THOUSAND DOLLARS (\$13,337,000.00), 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 is hereby authorized to award Contract No. W-11-012-201, MBWWTP Screen Improvements and Contract No. W-12-017-201, MBWWTP Hydraulic and Pump Improvements to Haren Construction Company, Inc., in the amount of \$12,667,000.00, with a contingency amount of \$670,000.00, for an amount not to exceed \$13,337,000.00, subject to SRF loan approval.

ADOPTED: _____, 2015

/mem

City of Chattanooga



Resolution/Ordinance Request Form

Date Prepared: December 15, 2014

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 award the combined Projects of Contract No. W-11-012-201, MBWWTP Screen Improvements, and Contract No. W-12-017-201, MBWWTP Hydraulic and Pump Improvements, to Haren Construction Company, Inc., in the amount of \$12,667,000.00 with a contingency amount of \$670,000.00 for an amount not-to-exceed \$13,337,000.00, subject to SRF Loan Approval.

Name of Vendor/Contractor/Grant, etc.	<u>Haren Construction Co., Inc.</u>	New Contract/Project? (Yes or No)	Yes
Total project cost \$	<u>13,337,000.00</u>	Funds Budgeted? (YES or NO)	Yes
Total City of Chattanooga Portion \$	<u>13,337,000.00</u>	Provide Fund	<u>6012</u> <u>6012</u>
City Amount Funded \$	<u>13,337,000.00</u>	Provide Cost Center	<u>K37108</u> <u>K37115</u>
New City Funding Required \$	<u>0</u>	Proposed Funding Source if not budgeted	
City's Match Percentage %		Grant Period (if applicable)	<u>SRF 2013-318</u>

List all other funding sources and amount for each contributor.

SRF 2012-307

Amount(s)	Grantor(s)
<u>\$5,816,000.00</u>	<u>SRF 2012-307</u> <u>6012 - K37115</u>
<u>\$7,521,000.00</u>	<u>SRF 2013-318</u> <u>6012 - K37108</u>

Agency Grant Number _____

CFDA Number if known _____

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

Funding is ISS Funding from previous FY. Consent Decreee projects.

Approved by: _____

Reviewed by: FINANCE OFFICE

DESIGNATED OFFICIAL/ADMINISTRATOR

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

Revised: 1/26/09

December 5, 2014

Mr. Dennis Malone, P.E.
City Engineer
1250 Market Street
Chattanooga TN 37402

**Re: Moccasin Bend WWTP
W-12-017-201 - Hydraulic and Pump Improvements
W-11-012-201 - Screen Improvements
Award Recommendation and Bid Tabulation**

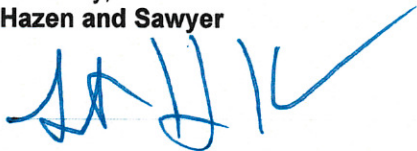
Dear Mr. Malone:

Enclosed you will find one (1) copy of a certified bid tabulation for the project referenced above, Contract W-12-017-201 - Hydraulic and Pump Improvements and Contract W-11-012-201- Screen Improvements for your records. There was one mathematical error by Smith Contractors, Inc., which is shown in the bid tabulation. The error was minor and did not result in any change of the total amounts.

The bid submitted by the low bidder, Haren Construction Company, Inc., also included one mathematical error. The sum of the four (4) major bid items were not totaled on the bid form. The error was minor and did not result in any change of the total amounts. The bid submitted by Haren Construction Company, Inc., has been deemed to be responsive and in compliance with the conditions of the Contract Documents. Based upon our canvas of the bids, we would recommend that the City of Chattanooga award the contract for the project to Haren Construction Company, Inc., for a total contract price of \$12,667,000.00.

If you have any questions about the bid tabulation or any other matter, please feel free to call me.

Sincerely,
Hazen and Sawyer



Stephen H. King, P.E., BCEE
Senior Associate

Enclosure

CC Chris Palmer, P.E. - Jacobs (w/encl- electronic copy)

**City of Chattanooga, Contract Numbers W-11-012-201 and W-12-017-201
Influent Screen/Hydraulic and Pump Improvements
Bid Tabulation: December 4, 2014**

				Haren Construction Company, Inc.* 1715 Highway 411 North Etowah, TN 37331		Max Foote Construction Company, LLC 12 Office Park Cir, Ste 200 Birmingham, AL 35223		Smith Contractors, Inc. 1241 Bypass North PO Box 480 Lawrenceburg, KY 40342		
Item	Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
C INFLUENT PUMP STATION (IPS) PUMP IMPROVEMENTS										
1 INFLUENT PUMP STATION (IPS) PUMP IMPROVEMENTS										
	Furnishing all products, materials and equipment and performing all labor necessary to complete and put into operation the Influent Pump Station									
a.	Pump Improvements, including all work shown on the Drawings and/or specified and not included in Items 2 through 3 below, the total amount of:	1	LS	---	\$ 3,334,065.00	---	\$ 3,500,000.00	---	\$ 3,600,000.00	
2	Cash Allowances									
a.	Concrete Testing	Allowance		---	\$ 2,000.00	---	\$ 2,000.00	---	\$ 2,000.00	
b.	Owner's Use	Allowance		---	\$ 40,000.00	---	\$ 40,000.00	---	\$ 40,000.00	
c.	Construction Verification Surveying	Allowance		---	\$ 3,000.00	---	\$ 3,000.00	---	\$ 3,000.00	
d.	SCADA Integration	Allowance		---	\$ 35,000.00	---	\$ 35,000.00	---	\$ 35,000.00	
e.	Influent Pump Equipment	Allowance		---	\$ 2,114,335.00	---	\$ 2,114,335.00	---	\$ 2,114,335.00	
f.	Engineer Overtime Inspection	Allowance		---	\$ 40,000.00	---	\$ 40,000.00	---	\$ 40,000.00	
*** Additional Work If Ordered By The Engineer ***										
3	Contingency Items									
a.	Undercutting and stone refill	10	CY	\$ 60.00	\$ 600.00	\$ 50.00	\$ 500.00	\$ 40.00	\$ 400.00	
b.	Concrete	10	CY	\$ 400.00	\$ 4,000.00	\$ 750.00	\$ 7,500.00	\$ 1,000.00	\$ 10,000.00	
SUBTOTAL IPS PUMP IMPROVEMENTS (Items 1 through 3 above)					---	\$ 5,573,000.00	---	\$ 5,742,335.00	---	\$ 5,844,735.00
D EQUALIZATION PUMP STATION (EQPS) PUMP IMPROVEMENTS										
1 EQUALIZATION PUMP STATION (EQPS) PUMP IMPROVEMENTS										
	Furnishing all products, materials and equipment and performing all labor necessary to complete and put into operation the Equalization Basin									
a.	Pump Station Pump Improvements, including all work shown on the Drawings and/or specified and not included in Items 2 through 3 below, the total amount of:	1	LS	---	\$ 1,238,302.68	---	\$ 2,000,000.68	---	\$ 1,265,502.68	
2	Temporary Electrical Service	60	Days	\$ 750.00	\$ 45,000.00	\$ 1,150.00	\$ 69,000.00	\$ 1,000.00	\$ 60,000.00	
3	Cash Allowances									
a.	Concrete Testing	Allowance		---	\$ 2,000.00	---	\$ 2,000.00	---	\$ 2,000.00	
b.	Owner's Use	Allowance		---	\$ 10,000.00	---	\$ 10,000.00	---	\$ 10,000.00	
c.	Construction Verification Surveying	Allowance		---	\$ 3,000.00	---	\$ 3,000.00	---	\$ 3,000.00	
d.	EQ Pump Equipment	Allowance		---	\$ 160,488.00	---	\$ 160,488.00	---	\$ 160,488.00	
e.	Magnetic Flow Meter Equipment	Allowance		---	\$ 108,609.32	---	\$ 108,609.32	---	\$ 108,609.32	
*** Additional Work If Ordered By The Engineer ***										
4	Contingency Items									
a.	Undercutting and stone refill	10	CY	\$ 60.00	\$ 600.00	\$ 50.00	\$ 500.00	\$ 40.00	\$ 400.00	
b.	Concrete	10	CY	\$ 400.00	\$ 4,000.00	\$ 750.00	\$ 7,500.00	\$ 1,000.00	\$ 10,000.00	
SUBTOTAL EQPS PUMP IMPROVEMENTS (Items 1 through 4 above)					---	\$ 1,572,000.00	---	\$ 2,361,098.00	---	\$ 1,620,000.00
SUBTOTAL CONTRACT W-12-17-201 (Items C1 through D4 above)					---	\$ 7,145,000.00	---	\$ 8,103,433.00	---	\$ 7,464,735.00
BID TOTAL:										
Subtotal A - IPS Screen (Items 1-3) + Subtotal B - IRPS Screen (Items 1-6) + Subtotal C - IPS Pump (Items 1-3) + Subtotal D - EQPS Pump (Items 1-4)					---	\$ 12,667,000.00****	---	\$ 13,340,000.00	---	\$ 15,765,935.00

* Denotes Apparent Low Bidder
** Denotes Error in Bid Calculation
**** Denotes Original Bid Not Totaled

I hereby certify that this is a true and accurate copy of bids received.

Stephen H. King
Stephen H. King, P.E., BCEE
TN Certification No. 20418

12-5-14

Date



**City of Chattanooga, Contract Numbers W-11-012-201 and W-12-017-201
Influent Screen/Hydraulic and Pump Improvements
Bid Tabulation: December 4, 2014**

				Haren Construction Company, Inc.* 1715 Highway 411 North Etowah, TN 37331		Max Foote Construction Company, LLC 12 Office Park Cir, Ste 200 Birmingham, AL 35223		Smith Contractors, Inc. 1241 Bypass North PO Box 480 Lawrenceburg, KY 40342	
Item	Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
A INFLUENT PUMP STATION (IPS) SCREEN REPLACEMENT									
1 INFLUENT PUMP STATION (IPS) SCREEN REPLACEMENT									
	Furnishing all products, materials and equipment and performing all labor necessary to complete and put into operation the Influent Pump Station								
a.	Screen Replacement, including all work shown on the Drawings and/or specified and not included in Items 2 through 3 below, the total amount of:	1	LS	---	\$ 2,171,800.00	---	\$ 2,086,617.00	---	\$ 4,000,000.00
b.	Wet Well Cleaning, Surface Preparation and Concrete Coating (for the entire interior of wet well including all walls, underside of the slabs, beams and columns as shown on the Drawings)	11,000	SF	\$ 19.60	\$ 215,600.00	\$ 18.00	\$ 198,000.00	\$ 30.00	\$ 330,000.00
c.	Removal and disposal of debris and grit material remaining in the bottom of the wet well after draining	100	CY	\$ 335.00	\$ 33,500.00	\$ 400.00	\$ 40,000.00	\$ 100.00	\$ 10,000.00
2 Cash Allowances									
a.	Concrete Testing		Allowance	---	\$ 2,000.00	---	\$ 2,000.00	---	\$ 2,000.00
b.	Owner's Use		Allowance	---	\$ 30,000.00	---	\$ 30,000.00	---	\$ 30,000.00
c.	Construction Verification Surveying		Allowance	---	\$ 3,000.00	---	\$ 3,000.00	---	\$ 3,000.00
d.	Fine Mechanical Screen Equipment		Allowance	---	\$ 928,000.00	---	\$ 928,000.00	---	\$ 928,000.00
e.	SCADA Integration		Allowance	---	\$ 35,000.00	---	\$ 35,000.00	---	\$ 35,000.00
f.	Engineer Overtime Inspection		Allowance	---	\$ 40,000.00	---	\$ 40,000.00	---	\$ 40,000.00
*** Additional Work If Ordered By The Engineer ***									
3 Contingency Items									
a.	Undercutting and stone refill	10	CY	\$ 60.00	\$ 600.00	\$ 5.00 **	\$ 500.00	\$ 40.00	\$ 400.00
b.	Concrete	10	CY	\$ 700.00	\$ 7,000.00	\$ 750.00	\$ 7,500.00	\$ 1,000.00	\$ 10,000.00
c.	Wet Well Concrete Repair 0.5" to 1.5" thick	2,000	SF	\$ 4.60	\$ 9,200.00	\$ 4.25	\$ 8,500.00	\$ 76.00	\$ 152,000.00
d.	Wet Well Concrete Repair >1.5" to 3" thick	1,000	SF	\$ 9.20	\$ 9,200.00	\$ 8.50	\$ 8,500.00	\$ 130.00	\$ 130,000.00
e.	Wet Well Concrete Repair >3"	1,000	SF	\$ 15.10	\$ 15,100.00	\$ 14.00	\$ 14,000.00	\$ 170.00	\$ 170,000.00
f.	Existing Exposed Rebar Anti-Corrosion Coating	2,000	LF	\$ 2.50	\$ 5,000.00	\$ 2.25	\$ 4,500.00	\$ 3.00	\$ 6,000.00
g.	Leaking Crack Waterproof Injection Grout	100	LF	\$ 65.00	\$ 6,500.00	\$ 60.00	\$ 6,000.00	\$ 22.00	\$ 2,200.00
h.	Structural Crack Epoxy Repair Binder	100	LF	\$ 5.00	\$ 500.00	\$ 50.00	\$ 5,000.00	\$ 22.00	\$ 2,200.00
SUBTOTAL IPS SCREEN REPLACEMENT (Items 1 through 3 above)				---	\$ 3,512,000.00	---	\$ 3,417,117.00	---	\$ 5,850,800.00
B INFLUENT RELIEF PUMP STATION (IRPS) SCREEN REPLACEMENT									
1 INFLUENT RELIEF PUMP STATION (IRPS) SCREEN REPLACEMENT									
	Furnishing all products, materials and equipment and performing all labor necessary to complete and put into operation the Influent Pump Station								
a.	Screen Replacement, including all work shown on the Drawings and/or specified and not included in Items 2 through 3 below, the total amount of:	1	LS	---	\$ 906,900.00	---	\$ 1,000,000.00	---	\$ 1,672,000.00
2	Bypass Pumping Base Cost/Standby Cost Includes installation and removal	90	Days	\$ 770.00	\$ 69,300.00	\$ 1,600.00	\$ 144,000.00	\$ 800.00	\$ 72,000.00
3	Bypass Pumping Cost In Use (assumes three (3) pumps Operating 1/3 time for 3 months) including all fuel and maintenance	2,200	Hrs	\$ 231.00	\$ 508,200.00	\$ 75.00	\$ 165,000.00	\$ 80.00	\$ 176,000.00
4	Temporary Washer/Compactor rental until arrival and installation of permanent washer/compactor	90	Days	\$ 200.00	\$ 18,000.00	\$ 5.00	\$ 450.00	\$ 200.00	\$ 18,000.00
5 Cash Allowances									
a.	Soils and Concrete Testing		Allowance	---	\$ 2,000.00	---	\$ 2,000.00	---	\$ 2,000.00
b.	Owner's Use		Allowance	---	\$ 10,000.00	---	\$ 10,000.00	---	\$ 10,000.00
c.	Construction Verification Surveying		Allowance	---	\$ 3,000.00	---	\$ 3,000.00	---	\$ 3,000.00
d.	Fine Mechanical Screen Equipment		Allowance	---	\$ 487,000.00	---	\$ 487,000.00	---	\$ 487,000.00
*** Additional Work If Ordered By The Engineer ***									
6 Contingency Items									
a.	Undercutting and stone refill	10	CY	\$ 60.00	\$ 600.00	\$ 50.00	\$ 500.00	\$ 40.00	\$ 400.00
b.	Concrete	10	CY	\$ 500.00	\$ 5,000.00	\$ 750.00	\$ 7,500.00	\$ 1,000.00	\$ 10,000.00
SUBTOTAL IRPS SCREEN REPLACEMENT (Items 1 through 6 above)				---	\$ 2,010,000.00	---	\$ 1,819,450.00	---	\$ 2,450,400.00
SUBTOTAL CONTRACT W-11-012-201 (Items A1 through B6 above)				---	\$ 5,522,000.00	---	\$ 5,236,567.00	---	\$ 8,301,200.00

**City of Chattanooga, Contract Numbers W-11-012-201 and W-12-017-201
Influent Screen/Hydraulic and Pump Improvements
Bid Tabulation: December 4, 2014**

				Haren Construction Company, Inc.* 1715 Highway 411 North Etowah, TN 37331		Max Foote Construction Company, LLC 12 Office Park Cir, Ste 200 Birmingham, AL 35223		Smith Contractors, Inc. 1241 Bypass North PO Box 480 Lawrenceburg, KY 40342	
Item	Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
A INFLUENT PUMP STATION (IPS) SCREEN REPLACEMENT									
1 INFLUENT PUMP STATION (IPS) SCREEN REPLACEMENT									
a.	Furnishing all products, materials and equipment and performing all labor necessary to complete and put into operation the Influent Pump Station Screen Replacement, including all work shown on the Drawings and/or specified and not included in Items 2 through 3 below, the total amount of:	1	LS	---	\$ 2,171,800.00	---	\$ 2,086,617.00	---	\$ 4,000,000.00
b.	Wet Well Cleaning, Surface Preparation and Concrete Coating (for the entire interior of wet well including all walls, underside of the slabs, beams and columns as shown on the Drawings)	11,000	SF	\$ 19.60	\$ 215,600.00	\$ 18.00	\$ 198,000.00	\$ 30.00	\$ 330,000.00
c.	Removal and disposal of debris and grit material remaining in the bottom of the wet well after draining	100	CY	\$ 335.00	\$ 33,500.00	\$ 400.00	\$ 40,000.00	\$ 100.00	\$ 10,000.00
2 Cash Allowances									
a.	Concrete Testing		Allowance	---	\$ 2,000.00	---	\$ 2,000.00	---	\$ 2,000.00
b.	Owner's Use		Allowance	---	\$ 30,000.00	---	\$ 30,000.00	---	\$ 30,000.00
c.	Construction Verification Surveying		Allowance	---	\$ 3,000.00	---	\$ 3,000.00	---	\$ 3,000.00
d.	Fine Mechanical Screen Equipment		Allowance	---	\$ 928,000.00	---	\$ 928,000.00	---	\$ 928,000.00
e.	SCADA Integration		Allowance	---	\$ 35,000.00	---	\$ 35,000.00	---	\$ 35,000.00
f.	Engineer Overtime Inspection		Allowance	---	\$ 40,000.00	---	\$ 40,000.00	---	\$ 40,000.00
*** Additional Work If Ordered By The Engineer ***									
3 Contingency Items									
a.	Undercutting and stone refill	10	CY	\$ 60.00	\$ 600.00	\$ 5.00 **	\$ 500.00	\$ 40.00	\$ 400.00
b.	Concrete	10	CY	\$ 700.00	\$ 7,000.00	\$ 750.00	\$ 7,500.00	\$ 1,000.00	\$ 10,000.00
c.	Wet Well Concrete Repair 0.5" to 1.5" thick	2,000	SF	\$ 4.60	\$ 9,200.00	\$ 4.25	\$ 8,500.00	\$ 76.00	\$ 152,000.00
d.	Wet Well Concrete Repair >1.5" to 3" thick	1,000	SF	\$ 9.20	\$ 9,200.00	\$ 8.50	\$ 8,500.00	\$ 130.00	\$ 130,000.00
e.	Wet Well Concrete Repair >3"	1,000	SF	\$ 15.10	\$ 15,100.00	\$ 14.00	\$ 14,000.00	\$ 170.00	\$ 170,000.00
f.	Existing Exposed Rebar Anti-Corrosion Coating	2,000	LF	\$ 2.50	\$ 5,000.00	\$ 2.25	\$ 4,500.00	\$ 3.00	\$ 6,000.00
g.	Leaking Crack Waterproof Injection Grout	100	LF	\$ 65.00	\$ 6,500.00	\$ 60.00	\$ 6,000.00	\$ 22.00	\$ 2,200.00
h.	Structural Crack Epoxy Repair Binder	100	LF	\$ 5.00	\$ 500.00	\$ 50.00	\$ 5,000.00	\$ 22.00	\$ 2,200.00
SUBTOTAL IPS SCREEN REPLACEMENT (Items 1 through 3 above)				---	\$ 3,512,000.00	---	\$ 3,417,117.00	---	\$ 5,850,800.00
B INFLUENT RELIEF PUMP STATION (IRPS) SCREEN REPLACEMENT									
1 INFLUENT RELIEF PUMP STATION (IRPS) SCREEN REPLACEMENT									
a.	Furnishing all products, materials and equipment and performing all labor necessary to complete and put into operation the Influent Pump Station Screen Replacement, including all work shown on the Drawings and/or specified and not included in Items 2 through 3 below, the total amount of:	1	LS	---	\$ 906,900.00	---	\$ 1,000,000.00	---	\$ 1,672,000.00
2	Bypass Pumping Base Cost/Standby Cost Includes installation and removal	90	Days	\$ 770.00	\$ 69,300.00	\$1,600.00	\$ 144,000.00	\$ 800.00	\$ 72,000.00
3	Bypass Pumping Cost In Use (assumes three (3) pumps Operating 1/3 time for 3 months) including all fuel and maintenance	2,200	Hrs	\$ 231.00	\$ 508,200.00	\$ 75.00	\$ 165,000.00	\$ 80.00	\$ 176,000.00
4	Temporary Washer/Compactor rental until arrival and installation of permanent washer/compactor	90	Days	\$ 200.00	\$ 18,000.00	\$ 5.00	\$ 450.00	\$ 200.00	\$ 18,000.00
5 Cash Allowances									
a.	Soils and Concrete Testing		Allowance	---	\$ 2,000.00	---	\$ 2,000.00	---	\$ 2,000.00
b.	Owner's Use		Allowance	---	\$ 10,000.00	---	\$ 10,000.00	---	\$ 10,000.00
c.	Construction Verification Surveying		Allowance	---	\$ 3,000.00	---	\$ 3,000.00	---	\$ 3,000.00
d.	Fine Mechanical Screen Equipment		Allowance	---	\$ 487,000.00	---	\$ 487,000.00	---	\$ 487,000.00
*** Additional Work If Ordered By The Engineer ***									
6 Contingency Items									
a.	Undercutting and stone refill	10	CY	\$ 60.00	\$ 600.00	\$ 50.00	\$ 500.00	\$ 40.00	\$ 400.00
b.	Concrete	10	CY	\$ 500.00	\$ 5,000.00	\$ 750.00	\$ 7,500.00	\$ 1,000.00	\$ 10,000.00
SUBTOTAL IRPS SCREEN REPLACEMENT (Items 1 through 6 above)				---	\$ 2,010,000.00	---	\$ 1,819,450.00	---	\$ 2,450,400.00
SUBTOTAL CONTRACT W-11-012-201 (Items A1 through B6 above)				---	\$ 5,522,000.00	---	\$ 5,236,567.00	---	\$ 8,301,200.00