

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE ADMINISTRATOR FOR THE DEPARTMENT OF PUBLIC WORKS TO AWARD CONTRACT NO. W-12-018-201 TO CURL CONSTRUCTION AND EXCAVATING, LLC OF WARTRACE, TENNESSEE, AGAWELA DRIVE STREAM RESTORATION PROJECT, IN THE AMOUNT OF EIGHT HUNDRED NINETY-NINE THOUSAND SIX HUNDRED TWENTY-ONE DOLLARS (\$899,621.00), WITH A CONTINGENCY AMOUNT OF NINETY THOUSAND DOLLARS (\$90,000.00), FOR AN AMOUNT NOT TO EXCEED NINE HUNDRED EIGHTY-NINE THOUSAND SIX HUNDRED TWENTY-ONE DOLLARS (\$989,621.00).

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA, TENNESSEE, that the Administrator for the Department of Public Works is hereby authorized to award Contract No. W-12-018-201 to Curl Construction and Excavating, LLC of Wartrace, Tennessee, Agawela Drive Stream Restoration Project, in the amount of \$899,621.00, with a contingency amount of \$90,000.00, for an amount not to exceed \$989,621.00.

ADOPTED: _____, 2016

/mem

City of Chattanooga



Resolution/Ordinance Request Form

Date Prepared: March 31, 2016

Preparer: Dennis Malone *[Signature]*

Department: Public Works

Brief Description of Purpose for Resolution/Ordinance: _____ Res./Ord. # _____ Council District # 5

A City Council resolution is requested to award Contract No. W-12-018-201, Agawela Drive Stream Restoration Project, to Curl Construction and Excavating, LLC, of Wartrace, Tennessee, in the amount of \$899,621.00 with a contingency amount of \$90,000.00 for an amount not-to-exceed \$989,621.00.

Name of Vendor/Contractor/Grant, etc.	<u>Curl Construction & Excavating, LLC</u>	New Contract/Project? (Yes or No)	<u>Yes</u>
Total project cost \$	<u>989,621.00</u>	Funds Budgeted? (YES or NO)	<u>Yes</u>
Total City of Chattanooga Portion \$	<u>989,621.00</u>	Provide Fund	<u>6012</u>
City Amount Funded \$	<u>989,621.00</u>	Provide Cost Center	<u>K37106</u>
New City Funding Required \$	<u>0</u>	Proposed Funding Source if not budgeted	_____
City's Match Percentage %	_____	Grant Period (if applicable)	_____

List all other funding sources and amount for each contributor.

Amount(s)	Grantor(s)
_____	_____
_____	_____
_____	_____

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 Decree projects.

Approved by: *[Signature]*

Reviewed by: FINANCE OFFICE

DESIGNATED OFFICIAL/ADMINISTRATOR

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

Revised: 1/26/09



March 31, 2016

Mr. Dennis Malone, P.E.
Assistant City Engineer
Public Works - Engineering
City of Chattanooga
1250 Market Street, Suite 2100
Chattanooga, TN 37402

**Subject: Recommendation of Award
Agawela Drive Stream Restoration Project
Project No. W-12-018-201**

Dear Mr. Malone,

This letter provides the bid tabulations and recommendation for contract award for the above referenced project.

Four bids were received and opened on Thursday, March 24, 2016 at 2:00 PM. Bids were received from Curl Construction and Excavating, LLC (\$899,621.00), Thomas Brothers Construction Company (\$976,075.00), Wilson Construction Group, LLC (\$1,253,561.00) and Talley Construction, Inc. (\$1,772,201.49). HDR's estimate was \$889,350.00. The certified bid tabulation is provided as an attachment to this letter.

The bid packages have been reviewed. Curl Construction's bid package was found to be complete and without errors or omissions. Curl will subcontract with Backwater Environmental (Backwater) to perform the log and rock grade control structures. Backwater is an ecological restoration company based on Pittsboro, NC. I received positive feedback from HDR staff who have worked with Backwater on projects in NC. Their project experience meets the expertise needed to install the grade control structures. They will be providing their own equipment and forces to install the grade control structures. Reed Landscaping will perform the live staking and tree/shrub planting. Their reputation and project experience suggests they are qualified to perform the landscaping work on this project. Curl Construction will self-perform the other functions of the project including cut/fill operations, raising the stream bed, rip-rap placement, erosion control, stream pump around, sanitary sewer replacement, seeding/mulching and other activities.

Curl Construction has not worked for the City of Chattanooga before. However, Curl's references were checked and received from six independent responders including the Manager of the Tullahoma Airport, the City Administrator for the City of South Pittsburg, an engineer at the Natural Resource Conservation Service (NRCS) and others, all who have built projects with Curl. Overall Curl has a reputation of completing projects on budget & schedule and leaving project owners very

please with their work and eager to hire them again. They have experience performing in-stream work installing retaining walls and other conventional drainage stabilization techniques, excavation and grading, storm drainage utility work and specialty work such as airport taxiways. Based on HDR's review of their qualifications, Curl Construction, along with their subcontractors, are fully capable of performing the work included in this project. The difference in Curl's bid compared to the project estimate is approximately one percent, while the second lowest bidder, Thomas Brothers, was approximately nine percent higher than the estimate. While Thomas Brothers is more a known entity with local proven performance, HDR does not see where the City would benefit from discarding the low bidder and going with Thomas Brothers.

Curl Construction, Thomas Brothers and Talley Construction all teamed with Backwater Environmental to perform the log and rock grade control structures. This further supports the recommendation to award to Curl Construction because Thomas Brothers is working with the same stream subcontractor.

Bids from Thomas Brothers, Wilson Construction and Talley Construction were also found to be complete and without errors or omissions.

Based on the qualifications of the low bidder HDR recommends the City of Chattanooga award the contract to Curl Construction and Excavating, LLC for \$899,621.00.

Sincerely,

A handwritten signature in blue ink that reads "Justin Bolender". The signature is fluid and cursive, with the first name "Justin" being larger and more prominent than the last name "Bolender".

HDR Engineering, Inc.
Justin Bolender, P.E.
Project Manager

Certified Bid Tabulation
Agawela Drive Stream Restoration - W-12-018-201
City of Chattanooga, Bid Opening: March 24, 2016

Item No.	Description	Engr's Estimate			Curl			Thomas Brothers			Wilson			Talley		
		Estimated Quantity	Unit	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	Mobilization	1	LS	\$30,000.00	\$30,000.00	\$ 79,000.00	\$ 79,000.00	\$ 174,000.00	\$ 174,000.00	\$ 174,000.00	\$ 174,000.00	\$ 95,000.00	\$ 95,000.00	\$ 108,117.39	\$ 108,117.39	
2	Traffic Control	1	LS	\$10,000.00	\$10,000.00	\$ 5,000.00	\$ 5,000.00	\$ 29,000.00	\$ 29,000.00	\$ 29,000.00	\$ 29,000.00	\$ 1,000.00	\$ 1,000.00	\$ 3,753.66	\$ 3,753.66	
3	Construction Stakes, Lines and Grades	1	LS	\$15,000.00	\$15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 37,000.00	\$ 37,000.00	\$ 37,000.00	\$ 37,000.00	\$ 38,000.00	\$ 38,000.00	\$ 32,023.49	\$ 32,023.49	
4	Cleaning and Grubbing	1	LS	\$20,000.00	\$20,000.00	\$ 25,000.00	\$ 25,000.00	\$ 39,000.00	\$ 39,000.00	\$ 39,000.00	\$ 39,000.00	\$ 33,000.00	\$ 33,000.00	\$ 265,835.44	\$ 265,835.44	
5	Rock Check Dam	5	EA	\$500.00	\$2,500.00	\$ 1,000.00	\$ 5,000.00	\$ 850.00	\$ 4,250.00	\$ 4,250.00	\$ 4,250.00	\$ 330.00	\$ 1,650.00	\$ 314.77	\$ 1,573.85	
6	Enhanced Rock Check Dam	1	EA	\$3,000.00	\$3,000.00	\$ 3,500.00	\$ 3,500.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 2,068.00	\$ 2,068.00	\$ 544.13	\$ 544.13	
7	Silt Fence	3,900	LF	\$4.00	\$14,000.00	\$ 5.85	\$ 20,475.00	\$ 3.75	\$ 13,125.00	\$ 4.12	\$ 14,420.00	\$ 6.60	\$ 23,100.00	\$ 6.60	\$ 23,100.00	
8	Construction Fencing	400	LF	\$2.50	\$1,000.00	\$ 10.00	\$ 4,000.00	\$ 2.00	\$ 800.00	\$ 8.00	\$ 4,800.00	\$ 12.00	\$ 4,800.00	\$ 2.28	\$ 912.00	
9	Construction Entrance	500	SY	\$10.00	\$5,000.00	\$ 18.00	\$ 9,000.00	\$ 15.00	\$ 7,500.00	\$ 15.00	\$ 7,500.00	\$ 10.80	\$ 5,400.00	\$ 19.71	\$ 9,855.00	
10	Tree Protection	1,000	LF	\$3.50	\$3,500.00	\$ 5.00	\$ 5,000.00	\$ 1.75	\$ 1,750.00	\$ 1.93	\$ 1,930.00	\$ 2.28	\$ 2,280.00	\$ 2.28	\$ 2,280.00	
11	Stream Pump Around Systems	1	LS	\$20,000.00	\$20,000.00	\$ 30,000.00	\$ 30,000.00	\$ 49,000.00	\$ 49,000.00	\$ 49,000.00	\$ 49,000.00	\$ 70,000.00	\$ 70,000.00	\$ 207,825.10	\$ 207,825.10	
12	Excavation including Embankment	2,000	CY	\$8.00	\$16,000.00	\$ 15.00	\$ 30,000.00	\$ 25.00	\$ 50,000.00	\$ 25.00	\$ 50,000.00	\$ 36.00	\$ 72,000.00	\$ 40.84	\$ 81,680.00	
13	Borrow Embankment	3,600	CY	\$15.00	\$54,000.00	\$ 30.00	\$ 108,000.00	\$ 20.00	\$ 72,000.00	\$ 47.00	\$ 169,200.00	\$ 74.69	\$ 268,884.00	\$ 74.69	\$ 268,884.00	
14	Furnished Top Soil	300	CY	\$15.00	\$4,500.00	\$ 35.00	\$ 10,500.00	\$ 50.00	\$ 15,000.00	\$ 50.00	\$ 15,000.00	\$ 52.00	\$ 15,600.00	\$ 61.89	\$ 18,567.00	
15	Undercut Excavation (Replace with Crushed Stone)	100	CY	\$30.00	\$3,000.00	\$ 50.00	\$ 5,000.00	\$ 50.00	\$ 5,000.00	\$ 50.00	\$ 5,000.00	\$ 70.00	\$ 7,000.00	\$ 233.03	\$ 23,303.00	
16	Undercut Excavation (Replace with Suitable Earth Material)	100	CY	\$15.00	\$1,500.00	\$ 40.00	\$ 4,000.00	\$ 35.00	\$ 3,500.00	\$ 35.00	\$ 3,500.00	\$ 55.00	\$ 5,500.00	\$ 108.85	\$ 10,885.00	
17	Clay Check Dams	6	EA	\$3,000.00	\$18,000.00	\$ 1,000.00	\$ 6,000.00	\$ 3,000.00	\$ 18,000.00	\$ 3,000.00	\$ 18,000.00	\$ 1,000.00	\$ 6,000.00	\$ 9,495.08	\$ 56,970.48	
18	Trench Rock Removal	50	CY	\$100.00	\$5,000.00	\$ 100.00	\$ 5,000.00	\$ 100.00	\$ 5,000.00	\$ 100.00	\$ 5,000.00	\$ 175.00	\$ 8,750.00	\$ 181.01	\$ 9,050.50	
19	Stone Revetment (Rip-Rap for Plunge Pool)	500	TN	\$30.00	\$15,000.00	\$ 40.00	\$ 20,000.00	\$ 30.00	\$ 15,000.00	\$ 30.00	\$ 15,000.00	\$ 53.40	\$ 26,700.00	\$ 71.85	\$ 35,925.00	
20	Stone Revetment (Rip-Rap for Slope/Ditch Protection)	500	TN	\$30.00	\$15,000.00	\$ 40.00	\$ 20,000.00	\$ 30.00	\$ 15,000.00	\$ 30.00	\$ 15,000.00	\$ 53.40	\$ 26,700.00	\$ 111.75	\$ 55,875.00	
21	Stone Revetment (Rip-Rap for Rock Sill)	5	TN	\$30.00	\$150.00	\$ 100.00	\$ 500.00	\$ 100.00	\$ 500.00	\$ 100.00	\$ 500.00	\$ 88.00	\$ 440.00	\$ 111.75	\$ 558.75	
22	Coir Fiber Matting	12,000	SY	\$7.00	\$84,000.00	\$ 2.00	\$ 24,000.00	\$ 5.00	\$ 60,000.00	\$ 5.00	\$ 60,000.00	\$ 4.73	\$ 56,760.00	\$ 5.59	\$ 67,080.00	
23	Rock Cross Vane (Complete in Place)	360	LF	\$250.00	\$90,000.00	\$ 143.00	\$ 51,480.00	\$ 120.00	\$ 43,200.00	\$ 120.00	\$ 43,200.00	\$ 264.00	\$ 95,040.00	\$ 156.00	\$ 56,160.00	
24	Rock Vane (Complete in Place)	15	LF	\$250.00	\$3,750.00	\$ 143.00	\$ 2,145.00	\$ 120.00	\$ 1,800.00	\$ 120.00	\$ 1,800.00	\$ 192.00	\$ 2,880.00	\$ 156.00	\$ 2,340.00	
25	Rock Cross A Vane (Complete in Place)	280	LF	\$250.00	\$70,000.00	\$ 143.00	\$ 40,040.00	\$ 120.00	\$ 33,600.00	\$ 120.00	\$ 33,600.00	\$ 264.00	\$ 73,920.00	\$ 156.00	\$ 43,680.00	
26	Logs Cross Vane (Complete in Place)	250	LF	\$200.00	\$50,000.00	\$ 125.00	\$ 31,250.00	\$ 105.00	\$ 26,250.00	\$ 105.00	\$ 26,250.00	\$ 165.00	\$ 41,250.00	\$ 136.50	\$ 34,125.00	
27	Constructed Riffle (Complete in Place)	570	LF	\$250.00	\$142,500.00	\$ 72.00	\$ 41,040.00	\$ 60.00	\$ 34,200.00	\$ 60.00	\$ 34,200.00	\$ 82.00	\$ 46,740.00	\$ 78.00	\$ 44,460.00	
28	Rock Toe Protection	200	LF	\$20.00	\$4,000.00	\$ 67.00	\$ 13,400.00	\$ 56.00	\$ 11,200.00	\$ 56.00	\$ 11,200.00	\$ 82.00	\$ 16,400.00	\$ 72.80	\$ 14,560.00	
29	Seeding and Mulching	12,000	SY	\$0.50	\$6,000.00	\$ 3.42	\$ 41,040.00	\$ 0.75	\$ 9,000.00	\$ 0.75	\$ 9,000.00	\$ 0.83	\$ 9,960.00	\$ 0.98	\$ 11,760.00	
30	Coir Log, 12" Diameter	2,900	LF	\$15.00	\$37,500.00	\$ 16.00	\$ 40,000.00	\$ 12.75	\$ 31,875.00	\$ 12.75	\$ 31,875.00	\$ 14.00	\$ 35,000.00	\$ 16.58	\$ 41,450.00	
31	10-inch Sanitary Sewer, Open Cut, PC 350 DIP, includes Bypass Pumping	80	LF	\$50.00	\$4,000.00	\$ 200.00	\$ 16,000.00	\$ 185.00	\$ 14,800.00	\$ 185.00	\$ 14,800.00	\$ 134.00	\$ 10,720.00	\$ 589.95	\$ 47,196.00	
32	Concrete Encasement	8	CY	\$500.00	\$4,000.00	\$ 300.00	\$ 2,400.00	\$ 200.00	\$ 1,600.00	\$ 200.00	\$ 1,600.00	\$ 165.00	\$ 1,320.00	\$ 1,201.15	\$ 9,609.20	
33	Live Staking	2,300	SY	\$12.00	\$27,600.00	\$ 18.60	\$ 42,780.00	\$ 10.25	\$ 23,575.00	\$ 10.61	\$ 24,403.00	\$ 10.61	\$ 24,403.00	\$ 12.55	\$ 28,865.00	
34	Tree/Shrub (3 gallon Container)	2,270	EA	\$30.00	\$68,100.00	\$ 42.30	\$ 96,021.00	\$ 40.00	\$ 90,800.00	\$ 40.00	\$ 90,800.00	\$ 38.00	\$ 86,260.00	\$ 45.50	\$ 103,285.00	
35	Ball and Burlap Tree Planting (1 to 1.5-inch Caliper)	75	EA	\$90.00	\$6,750.00	\$ 174.00	\$ 13,050.00	\$ 50.00	\$ 3,750.00	\$ 50.00	\$ 3,750.00	\$ 170.00	\$ 12,750.00	\$ 201.50	\$ 15,112.50	
	Subtotal			\$	854,350	\$	864,621	\$	941,075	\$	1,118,561	\$	1,118,561	\$	1,737,201	

