



Environmental & Civil Engineering Services

Engineering ♦ Geotechnical ♦ Environmental

Tuesday, October 15, 2019

**Mr. Tim Begley,
Crossville Director of Engineering
City of Crossville
392 N Main Street
Crossville, Tennessee 38555**

**RE: Report of Bid Opening
City of Crossville Waterline Improvement Project
Brookhaven and Highland Lane Areas REBID**

Dear Mr. Begley,

We received and opened bids for the City of Crossville waterline Improvement Project rebid on the Brookhaven and Highland Lane Areas of the Crossville Water System. The bids were received and read aloud at 2 pm local time in the 3rd-floor conference room of city hall on Tuesday, October 15, 2019.

We had six (6) contractors eligible to submit a bid by obtaining plans and attending the mandatory pre-bid meeting on Tuesday, October 2, 2019. The planholders were Hopper Excavation, Ironwood Construction & Engineering, LLC, J. Paul Smith Construction, Knoxville Excavation, Norris Brothers Excavation, and Spriggs Construction. Of the six (6) plan holders, we received bids from three (3) being Hopper Excavation, Ironwood Construction & Engineering LLC, and Norris Brothers Excavating.

The three (3) bids were officially received and tentatively reviewed for completeness by confirming the sealed envelope contained the required information including company name, Tennessee contractor license number and classification for the proposed work. Each bid was opened and preliminarily reviewed for completeness by confirming the presence of the addendum acknowledgement, a completed bid form, presence of bid security and power of attorney if required, and required certifications for the bid package. The three bids were determined to be complete and each read aloud to those in attendance. We have attached a bid report summary of the bid opening.



The three (3) opened bids were reviewed for mathematical accuracy and completeness beyond the initial bid opening review. We found three (3) minor discrepancies in the bid package received from Norris Brother Excavating which consisted of a portion of the bid form utilized was outdated and not correct which had been modified by addendum, the disclosure of the company information was completed in the partnership section and the company is listed as an LLC with the Secretary of State, and finally they did not list any proposed subcontractors for the project however this make be accurate.

The low bidder for the project is Norris Brothers Excavating at \$1,085,622.00 with Iron Wood Construction & Engineering, LLC submitting a bid of \$1,277,625.00 followed by Hopper Excavating at \$2,154,463. Our engineer's estimate valued the work at \$1,073,167.00. You will find attached a copy of the our completed bid tabulation detailing the complete cost submitted and compared to our engineering estimate.

It is our opinion that the discrepancies identified in the bid by Norris Brothers Excavating would not constitute rejection of the bid. We will wait for your direction on how you desire to address any concerns you may have. If you have any questions, please feel free to call me. You may reach me at 931.484.9321.

Sincerely,
Environmental & Civil Engineering Services
Crossville | Mount Juliet

A handwritten signature in blue ink that reads "Chuck F. Burgess". The signature is fluid and cursive, with a long horizontal stroke at the end.

Chuck F. Burgess, P.E. | Consulting Engineer
Consulting Engineer | Tennessee License No. 104467
Qualified Hydrologic Professional | Tennessee Certification No. 1138-TN15
FHWA-NHI Subsurface Investigation Qualification | SSI-132079
702 Old Jamestown Highway
Crossville, Tennessee 38555
931.484.9321
931.484.9322 fax
chuck.burgess@ece-engineering.com
website: ece-engineering.com

Enclosures (2): Bid Opening Report Summary
Bid Tabulation

CFB/jpb



Environmental & Civil Engineering Services

Engineering • Geotechnical • Environmental

Report of Bid Opening

Project:

City of Crossville | Waterline Improvement Brookhaven and Highland Lane Areas REBID

Contract:

Engineer's Project No.:

15007

Owner:

City of Crossville

Owners Contract No.:

Time:

2:00 p.m. (cst) local time

Date:

Tuesday, October 15, 2019

R-Received Bid, E- Envelope completed with license number and types, S- Bid Security, and A-Acknowledgment of Addendum

Plans Holders Name & Address	R	E	S	A	Bid Total		
Hopper Excavation 4462 Peavine Road Crossville, TN 38571	X	X	X	X	\$2,154,463.00		
Ironwood Construction & Engineering, LLC P.O. Box 1369, Crossville, TN 38557	X	X	X	X	\$1,277,625.00		
J. Paul Smith Construction 5422 Old State Hwy. 28 Dunlap, TN 37327	-				No Bid		
Knoxville Excavation P.O. Box 70541, Knoxville, TN 37938	-				No Bid		
Norris Brothers Excavation 1007 Rodgers Road Crossville, TN 38555	X	X	X	X	\$1,085,622.00		
Spriggs Construction 113 HWY 70 E Crossville, TN 38555	-				No Bid		

Main Office: 702 Old Jamestown Hwy, Crossville, TN 38555, 931.484.9321
 Geotechnical and Testing: 1734 Beckwith Road, Mount Juliet, TN 37122, 615.863.3237

ece-engineering.com



I hereby certify that the above is an accurate report of the bids received and opened. All bids are subject to verification and acceptance or rejection by owner.



Environmental & Civil Engineering Services –Chuck F. Burgess, P.E.



Bid Tabulation

Project:

WATERLINE IMPROVEMENTS BROOKHAVEN AND HIGHLAND LANE AREAS REBID

Contract:	Engineer's Project No.: 15007	Owner: City of Crossville	Owners Contract No.:
Bid Location: City of Crossville	Bid Date: October 15, 2019	Bid Time: 2:00 p.m. local time	

ITEM #	ITEM DESCRIPTION	UNIT	Engineer's Estimate				Contractor 1 - Norris Brothers Excavating				Contractor 2 - Ironwood Construction & Engineering LLC				Contractor 3 - Hopper Excavating			
			EST. QTY	UNIT PRICE	TOTAL EST. ITEM PRICE	% of Engineer's Estimate	Bid UNIT PRICE	Bid ITEM PRICE	% of Contractors Bid Total	% of Engineer's Estimate	Bid UNIT PRICE	Bid ITEM PRICE	% of Contractors Bid Total	% of Engineer's Estimate	Bid UNIT PRICE	Bid ITEM PRICE	% of Contractors Bid Total	% of Engineer's Estimate
Schedule No. 1 - Brookhaven Area																		
01011-001	Mobilization	LS	1	\$50,000.00	\$50,000.00	4.7%	\$8,500.00	\$8,500.00	0.8%	(83.0)	\$30,000.00	\$30,000.00	2.3%	(40.0)	\$30,000.00	\$30,000.00	1.4%	(40.0)
02222-201	Stream Crossing	LF	248	\$125.00	\$31,000.00	2.9%	\$40.00	\$9,920.00	0.9%	(68.0)	\$15.00	\$3,720.00	0.3%	(88.0)	\$100.00	\$24,800.00	1.2%	(20.0)
02222-305	Concrete Crossing	CY	47	\$575.00	\$27,025.00	2.5%	\$100.00	\$4,700.00	0.4%	(82.6)	\$350.00	\$16,450.00	1.3%	(39.1)	\$750.00	\$35,250.00	1.6%	30.4
02222-315	Asphalt Crossing	TON	149	\$175.00	\$26,075.00	2.4%	\$188.00	\$28,012.00	2.6%	7.4	\$400.00	\$59,600.00	4.7%	128.6	\$600.00	\$89,400.00	4.1%	242.9
02510-004	Connection to Existing 6" Waterline	EA	9	\$3,600.00	\$32,400.00	3.0%	\$4,800.00	\$43,200.00	4.0%	33.3	\$5,000.00	\$45,000.00	3.5%	38.9	\$6,000.00	\$54,000.00	2.5%	66.7
02510-005	Connection to Existing 4" Waterline	EA	6	\$3,300.00	\$19,800.00	1.8%	\$3,800.00	\$22,800.00	2.1%	15.2	\$4,500.00	\$27,000.00	2.1%	36.4	\$5,000.00	\$30,000.00	1.4%	51.5
02510-006	Connection to Existing 2" Waterline	EA	2	\$3,300.00	\$6,600.00	0.6%	\$3,300.00	\$6,600.00	0.6%	0.0	\$3,000.00	\$6,000.00	0.5%	(9.1)	\$5,000.00	\$10,000.00	0.5%	51.5
02510-109	8" PVC CL250 Waterline	LF	2468	\$43.25	\$106,741.00	9.9%	\$50.00	\$123,400.00	11.4%	15.6	\$55.00	\$135,740.00	10.6%	27.2	\$90.00	\$222,120.00	10.3%	108.1
02510-110	6" PVC CL250 Waterline	LF	9573	\$33.75	\$323,088.75	30.1%	\$33.75	\$323,066.00	37.0%	24.4	\$35.00	\$335,055.00	26.2%	3.7	\$95.00	\$909,435.00	42.2%	181.5
02510-112	2" PVC CL250 Waterline	LF	1075	\$21.50	\$23,112.50	2.2%	\$20.00	\$21,500.00	2.0%	(7.0)	\$20.00	\$21,500.00	1.7%	(7.0)	\$25.00	\$26,875.00	1.2%	16.3
02510-152	8" Water Gate Valve	EA	6	\$1,875.00	\$11,250.00	1.0%	\$1,150.00	\$6,900.00	0.6%	(38.7)	\$2,000.00	\$12,000.00	0.9%	6.7	\$2,000.00	\$12,000.00	0.6%	6.7
02510-153	6" Water Gate Valve	EA	24	\$1,325.00	\$31,800.00	3.0%	\$800.00	\$19,200.00	1.8%	(39.6)	\$1,500.00	\$36,000.00	2.8%	13.2	\$1,500.00	\$36,000.00	1.7%	13.2
02510-155	2" Water Gate Valve	EA	2	\$1,100.00	\$2,200.00	0.2%	\$750.00	\$1,500.00	0.1%	(31.8)	\$1,000.00	\$2,000.00	0.2%	(9.1)	\$1,200.00	\$2,400.00	0.1%	9.1
02510-201	Fire Hydrant Assembly	EA	15	\$3,500.00	\$52,500.00	4.9%	\$3,800.00	\$57,000.00	5.3%	8.6	\$5,000.00	\$75,000.00	5.9%	42.9	\$5,000.00	\$75,000.00	3.5%	42.9
02510-202	2" Blow Off Hydrant	EA	3	\$2,200.00	\$6,600.00	0.6%	\$2,800.00	\$8,400.00	0.8%	27.3	\$2,000.00	\$6,000.00	0.5%	(9.1)	\$2,000.00	\$6,000.00	0.3%	(9.1)
02510-301	Water Service Installation	EA	82	\$725.00	\$59,450.00	5.5%	\$888.00	\$72,816.00	6.7%	22.5	\$750.00	\$61,500.00	4.8%	3.4	\$1,000.00	\$82,000.00	3.8%	37.9
02510-304	3/4" Copper Service Tubing; Open Cut	LF	536	\$15.75	\$8,442.00	0.8%	\$18.00	\$9,648.00	0.9%	14.3	\$25.00	\$13,400.00	1.0%	58.7	\$30.00	\$16,080.00	0.7%	90.5
02510-306	10" PVC CL200 Casing; (For Sewer Conflicts)	LF	400	\$27.25	\$10,900.00	1.0%	\$55.00	\$22,000.00	2.0%	101.8	\$25.00	\$10,000.00	0.8%	(8.3)	\$30.00	\$12,000.00	0.6%	10.1
02510-313	1" Copper Service Tubing; Pushed or Bored	LF	107	\$20.50	\$2,193.50	0.2%	\$20.00	\$2,140.00	0.2%	(2.4)	\$50.00	\$5,350.00	0.4%	143.9	\$80.00	\$8,560.00	0.4%	290.2
02510-314	3/4" Copper Service Tubing; Bushed or Bored	LF	1851	\$22.25	\$41,184.75	3.8%	\$18.00	\$33,318.00	3.1%	(19.1)	\$50.00	\$92,550.00	7.2%	124.7	\$78.00	\$144,378.00	6.7%	250.6
02510-320	1" PVC Service Tubing; Open Cut	LF	724	\$9.25	\$6,697.00	0.6%	\$18.00	\$13,032.00	1.2%	94.6	\$15.00	\$10,860.00	0.9%	62.2	\$35.00	\$25,340.00	1.2%	278.4
02601-004	18" Steel Casing; Open Cut	LF	1016	\$142.50	\$144,780.00	13.5%	\$135.00	\$137,160.00	12.6%	(5.3)	\$150.00	\$152,400.00	11.9%	5.3	\$200.00	\$203,200.00	9.4%	40.4
02601-104	18" Steel Casing; Bore & Jack	LF	104	\$365.00	\$37,960.00	3.5%	\$200.00	\$20,800.00	1.9%	(45.2)	\$800.00	\$83,200.00	6.5%	119.2	\$600.00	\$62,400.00	2.9%	64.4
02510-302	2" PVC CL200 Casing; Open Cut (For Service Line)	LF	145	\$12.50	\$1,812.50	0.2%	\$18.00	\$2,610.00	0.2%	44.0	\$40.00	\$5,800.00	0.5%	220.0	\$25.00	\$3,625.00	0.2%	100.0
02510-302	2" PVC CL200 Casing; Bored or Pushed (For Service Line)	LF	420	\$22.75	\$9,555.00	0.9%	\$20.00	\$8,400.00	0.8%	(12.1)	\$75.00	\$31,500.00	2.5%	229.7	\$80.00	\$33,600.00	1.6%	251.6
TOTAL AMOUNT					\$1,073,167.00			\$1,085,622.00				\$1,277,625.00				\$2,154,463.00		

I hereby certify that this is an accurate and correct tabulation of the bids received for the project. All bids have been reviewed and checked for mathematical errors.



Chuck F. Burgess, P.E.