

**North Carolina Department of Transportation
BID REVIEW**

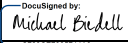
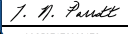
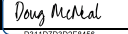
DATE _____
WBS: 0
DESCRIPTION 0
COUNTY: 0

ITEM	DESCRIPTION	QUANTITY	UNIT	Engineer's Estimate		Traffic Control Devices, Inc.		
				UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	
1	Trenching (unpaved) 2 - 1" conduits	225	LF	\$ 12.00	\$ 2,700.00	\$6.70	\$1,507.50	-44.17%
2	Trenching (unpaved) 2 - 2" conduits	5000	LF	\$ 12.00	\$ 60,000.00	\$11.25	\$56,250.00	-6.25%
3	Trenching (unpaved) 2 - 3" conduits	300	LF	\$ 26.00	\$ 7,800.00	\$16.30	\$4,890.00	-37.31%
4	Trenching (unpaved) no conduit	150	LF	\$ 7.00	\$ 1,050.00	\$3.81	\$571.50	-45.57%
5	Directional Drill 2 - 1" conduits	200	LF	\$ 12.00	\$ 2,400.00	\$11.05	\$2,210.00	-7.92%
6	Directional Drill 2 - 2" conduits	8000	LF	\$ 15.00	\$ 120,000.00	\$18.00	\$144,000.00	20.00%
7	Directional Drill 2 - 3" conduits	200	LF	\$ 41.00	\$ 8,200.00	\$23.05	\$4,610.00	-43.78%
8	Junction box (oversize)	15	EA	\$ 845.00	\$ 12,675.00	\$550.00	\$8,250.00	-34.91%
9	Junction box (standard size)	22	EA	\$ 490.00	\$ 10,780.00	\$310.00	\$6,820.00	-36.73%
10	Mandrel conduit	300	LF	\$ 1.10	\$ 330.00	\$0.26	\$78.00	-76.36%
11	Repair conduit	800	LF	\$ 12.00	\$ 9,600.00	\$5.40	\$4,320.00	-55.00%
12	Delineator markers	280	EA	\$ 110.00	\$ 30,800.00	\$80.00	\$22,400.00	-27.27%
13	Wood pole 40'	2	EA	\$ 2,080.00	\$ 4,160.00	\$2,779.00	\$5,558.00	33.61%
14	Wood pole 60'	15	EA	\$ 2,640.00	\$ 39,600.00	\$4,070.00	\$61,050.00	54.17%
15	Remove and Dispose - Wood Pole	4	EA	\$ 995.00	\$ 3,980.00	\$1,190.00	\$4,760.00	19.60%
16	Guy assemblies	4	EA	\$ 500.00	\$ 2,000.00	\$495.00	\$1,980.00	-1.00%
17	1" Riser with Weatherhead or Heat Shrink Tubing	5	EA	\$ 650.00	\$ 3,250.00	\$725.00	\$3,625.00	11.54%
18	2" Riser with Weatherhead or Heat Shrink Tubing	15	EA	\$ 700.00	\$ 10,500.00	\$1,300.00	\$19,500.00	85.71%
19	3" Riser with Weatherhead or Heat Shrink Tubing	5	EA	\$ 750.00	\$ 3,750.00	\$1,825.00	\$9,125.00	143.33%
20	Electrical Service Cabinet Disconnect 15-amp @ CCTV	15	EA	\$ 2,800.00	\$ 42,000.00	\$800.00	\$12,000.00	-71.43%
21	Electrical Service Cabinet Disconnect 50 amp @ DSM	5	EA	\$ 3,100.00	\$ 15,500.00	\$955.00	\$4,775.00	-69.19%
22	Install NCDOT provided 336s cabinet	15	EA	\$ 1,275.00	\$ 19,125.00	\$2,065.00	\$30,975.00	61.96%
23	3-Wire number 4 Copper Conductor	400	EA	\$ 3.90	\$ 1,560.00	\$6.82	\$2,728.00	74.87%
24	3-Wire number 6 Copper Conductor	600	LF	\$ 3.30	\$ 1,980.00	\$5.38	\$3,228.00	63.03%
25	3-Wire number 8 Copper Conductor	600	LF	\$ 2.40	\$ 1,440.00	\$4.44	\$2,664.00	85.00%
26	4-Wire number 4 Copper Conductor	500	LF	\$ 5.20	\$ 2,600.00	\$8.20	\$4,100.00	57.69%
27	4-Wire number 6 Copper Conductor	1100	LF	\$ 4.40	\$ 4,840.00	\$6.28	\$6,908.00	42.73%
28	4-Wire number 8 Copper Conductor	2600	LF	\$ 3.20	\$ 8,320.00	\$5.02	\$13,052.00	56.88%
29	4-Wire number 10 Copper Conductor	5000	LF	\$ 2.60	\$ 13,000.00	\$4.20	\$21,000.00	61.54%
30	Grounding System Assembly	45	EA	\$ 2,100.00	\$ 94,500.00	\$630.00	\$28,350.00	-70.00%
31	Radio Removal	80	EA	\$ 250.00	\$ 20,000.00	\$305.00	\$24,400.00	22.00%
32	Solar Equipment Removal	5	EA	\$ 1,200.00	\$ 6,000.00	\$1,225.00	\$6,125.00	2.08%
33	Solar Power Assembly-Installation	5	EA	\$ 4,600.00	\$ 23,000.00	\$2,405.00	\$12,025.00	-47.72%
34	CCTV Assembly	15	EA	\$ 5,500.00	\$ 82,500.00	\$920.00	\$13,800.00	-83.27%
35	Meter Base/Disconnect Combination Panel	6	EA	\$ 1,500.00	\$ 9,000.00	\$1,620.00	\$9,720.00	8.00%
36	Install Wireless Radio	80	EA	\$ 1,000.00	\$ 80,000.00	\$920.00	\$73,600.00	-8.00%
BIDTOTAL				\$	758,940.00	\$630,955.00		

% DIFFERENCE

-16.86%

BID REVIEW

COMMITTEE MEMBER	ACCEPT LOW BID	ACCEPT SECOND LOW BID (MULTIPLE AWARD)	REJECT LOW BID	REJECT ALL BIDS	OTHER
Michael J. Biedell, PE, Division Contract Engineer					
Tracy Parrott, PE, Division Project Delivery Engineer					
Doug McNeal, PE, Division Maintenance Engineer					

COMMENTS:

Recommend Award to low bidder. Justification letter is attached.



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

3/25/2021

Memo for File

From: Christopher Hoffman
Maintenance Project Manager
Maintenance Operations Support Team - Div. 5

Subject: D5POC117 Annual Needs for Conduit Maintenance
Description: Reevaluation of cost (Engineers Estimate); Recommendation to Award

Due to a disparity between the Engineers Estimate (EE) and the single bidder's quote, a review of the Engineers Estimate was completed to check for errors and discrepancies. No Discrepancies were found. The line items that created the disparity were reviewed for accuracy with available historical data. The engineers estimate prices are created from a review of past Annual Needs contract bid tabs and 2019 Bid averages. Additionally, there were new items added to the estimate which had limited historical data. While the single bidders line items did come in below the engineers estimate for these items, which created the disparity, the line-item prices were in line with prior Annual Needs Contract prices.

The vendor (Traffic Control Devices, Inc) has performed quality work in a satisfactory manner on other Division 5 Contracts. Based on the bid results received, the vendors prior performance, and the potential critical need of these services, it is recommended that the project be awarded based on the bid received.

Christopher Hoffman

Christopher Hoffman
Maintenance Project Manager
Maintenance Operations Support Team- Div. 5

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