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February 1, 2024

Martin Sanford, P.E., PMP
Mecklenburg County
Land Use and Environmental Services Agency
Solid Waste
2145 Suttle Avenue
Charlotte, NC 28208

Subject: Mecklenburg County, North Carolina
Interim Material Recovery Facility Project
Bid Evaluation and Recommendation

Dear Mr. Sanford:

Four bids were received for the Interim Material Recovery Facility (project) on Friday, January 26, 2024, at the Mecklenburg County Land Use and Environmental Services Agency in Charlotte, North Carolina. This letter presents CDM Smith's evaluation of the received bids and our recommendation for lowest responsible bidder. As indicated in the project manual, the project was bid with a Total Bid Amount consisting of unit price and lump sum bid items. CDM Smith evaluated the bids based on the Total Bid Amount submitted by the contractors.

The project involves site development including excavation and backfill; grading; utility construction; scale installation; erosion and sedimentation control; concrete and asphalt pavement; concrete footings and foundations; electrical and lighting; and landscaping. Work to be completed by others, but in coordination with the contractor includes installation of processing and storage buildings; installation of processing equipment; set up of a scale house and mobile office; installation of a fire suppression system; and installation of utility crossings underneath Pence Road.

BID EVALUATION

CDM Smith evaluated the bids based on whether the bidder submitted all information as required by the project manual.

Exhibit 1 lists all bidders, the information requested to be included in the bid packages, and a summary of the bid amounts as publicly opened at the bid opening. Ground Thunder Construction, Inc. (Ground Thunder) was the apparent low bidder after the public opening of the bids.

REVIEW OF BID PRICES

Each bid was reviewed for mathematical errors and other discrepancies. **Exhibit 2** provides a complete certified bid tabulation for your review. Exhibit 2 includes notes that explain any





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mathematical errors or discrepancies identified during our review, and adjustments made to contractors bid amounts.

The revised Total Bid Amounts (from low to high) based on our evaluation and mathematical adjustments is as follows:

1. Ground Thunder Construction, Inc.	\$4,750,750.25
2. J.M. Cope, Inc.	\$5,008,003.35
3. AVM Contractors LLC	\$5,211,588.70
4. Hoss Contracting, Inc.	\$5,421,780.00

ENGINEER OPINION

The bid received from Ground Thunder appears to reflect reasonable costs for the project work as described on the drawings and detailed in the specifications. Based on our evaluation of the project bid, Ground Thunder has submitted a complete bid.

CDM Smith's opinion is contingent upon the following:

- County's satisfactory review of Ground Thunder's Business Diversity & Inclusion Provisions documents.
- Determination that adequate funding is available for the project.
- The County has no questions or comments regarding the information provided herein.

CDM Smith appreciates the opportunity to assist Mecklenburg County with this project. If you have questions or need any additional information, please do not hesitate to contact us.

Very truly yours,

A handwritten signature in blue ink, appearing to read "Aaron Weispfenning".

Aaron M. Weispfenning, P.E., PMP
CDM Smith Inc.

cc: K. Persiani, CDM Smith



Exhibit 1 - Bid Opening Summary



Bid Opening Summary: Interim MRF Project
Bid Opener/Reader: Martin Sanford
Bid Recorder: _____
Apparent Low Bidder: Ground Thunder Construction, Inc.

Opening Date: 1/26/2024

No.	Contractor	Contractor #									Bid Subtotal	5% Contingency	Total Bid
			Bid Form	Receipt of Addenda	Bid Bond	Certification of Non-Discrimination	E-Verify Declaration	Certificate of Compliance with ADA	BDI Form A	BDI Form B			
1	Ground Thunder Construction, Inc.	58635	X	X	X	X	X	X	X	X	\$4,524,488.59	\$226,224.43	\$4,750,713.02
2	AVM Contractors LLC	NC80465	X	X	X	X	X	X	X	X	\$4,959,382.81	\$247,969.14	\$5,207,351.95
3	J. M. Cope, Inc.	71908	X	X	X	X	X	X	X	X	\$4,769,524.00	\$238,476.00	\$5,008,000.00
4	Hoss Contracting, Inc.	77611	X	X	X	X	X	X	X	X	\$5,163,600.00	\$258,180.00	\$5,421,780.00
5													
6													
7													
8													
9													
10													

Notes:

Exhibit 2
Bid Tabulation
Mecklenburg County Interim Material Recovery Facility

Item	Item Description	Quantity	Units	Ground Thunder Construction, Inc.		J. M. Cope, Inc.		AVM Contractors LLC		Hoss Contracting, Inc.	
				Charlotte, NC		Rock Hill, SC		Charlotte, NC		Monroe, NC	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
EARTHWORK											
1	Clearing and Grubbing	6	AC	\$ 3,741.00	\$ 22,446.00	\$ 12,000.00	\$ 72,000.00	\$ 13,499.95	\$ 80,999.70	\$ 5,000.00	\$ 30,000.00
2	Excavation and Stockpiling of Excess Soil Material	6,850	CY	\$ 8.12	\$ 55,622.00	\$ 6.00	\$ 41,100.00	\$ 6.19	\$ 42,401.50	\$ 8.50	\$ 58,225.00
3	Backfill of Soil Material	4,950	CY	\$ 7.68	\$ 38,016.00	\$ 6.00	\$ 29,700.00	\$ 6.19	\$ 30,640.50	\$ 10.50	\$ 51,975.00
4	Fine Grading	1	LS	\$ 100,000.00	\$ 100,000.00	\$ 25,000.00	\$ 25,000.00	\$ 27,850.55	\$ 27,850.55	\$ 90,000.00	\$ 90,000.00
Sediment and Erosion Control											
5	Furnish and Install Temporary Sediment and Erosion Control	1	LS	\$ 8,000.00	\$ 8,000.00	\$ 57,000.00	\$ 57,000.00	\$ 39,024.46	\$ 39,024.46	\$ 38,500.00	\$ 38,500.00
6	Modifications to Existing Stormwater Pond	1	LS	\$ 9,894.00	\$ 9,894.00	\$ 46,000.00	\$ 46,000.00	\$ 5,311.82	\$ 5,311.82	\$ 28,000.00	\$ 28,000.00
7	Maintain Sediment and Erosion Control	1	LS	\$ 4,012.00	\$ 4,012.00	\$ 24,000.00	\$ 24,000.00	\$ 10,107.05	\$ 10,107.05	\$ 20,000.00	\$ 20,000.00
8	Furnish and Install Temporary Seeding and Mulching	21,500	SY	\$ 0.35	\$ 7,525.00	\$ 1.00	\$ 21,500.00	\$ 0.56	\$ 12,040.00	\$ 1.20	\$ 25,800.00
9	Furnish and Install Permanent Seeding and Mulching	10,800	SY	\$ 0.45	\$ 4,860.00	\$ 1.00	\$ 10,800.00	\$ 1.52	\$ 16,416.00	\$ 1.50	\$ 16,200.00
10	Furnish and Install Landscaping	1	LS	\$ 39,500.00	\$ 39,500.00	\$ 115,000.00	\$ 115,000.00	\$ 46,997.80	\$ 46,997.80	\$ 42,000.00	\$ 42,000.00
Stormwater Control											
11	Stormwater Piping										
a.	Furnish and Install 12" Reinforced Concrete Piping	205	LF	\$ 108.30	\$ 22,201.50	\$ 60.00	\$ 12,300.00	\$ 55.00	\$ 11,275.00	\$ 78.00	\$ 15,990.00
b.	Furnish and Install 15" Reinforced Concrete Piping	75	LF	\$ 111.21	\$ 8,340.75	\$ 70.00	\$ 5,250.00	\$ 65.00	\$ 4,875.00	\$ 100.00	\$ 7,500.00
c.	Furnish and Install 18" Reinforced Concrete Piping	580	LF	\$ 134.87	\$ 78,224.60	\$ 84.00	\$ 48,720.00	\$ 75.00	\$ 43,500.00	\$ 87.00	\$ 50,460.00
d.	Furnish and Install 24" Reinforced Concrete Piping	345	LF	\$ 178.28	\$ 61,506.60	\$ 128.00	\$ 44,160.00	\$ 85.00	\$ 29,325.00	\$ 122.00	\$ 42,090.00
12	Furnish and Install Drop Inlets and Manholes	11	EA	\$ 7,432.71	\$ 81,759.81	\$ 4,400.00	\$ 48,400.00	\$ 6,500.00	\$ 71,500.00	\$ 5,300.00	\$ 58,300.00

Item	Item Description	Quantity	Units	Ground Thunder Construction, Inc.		J. M. Cope, Inc.		AVM Contractors LLC		Hoss Contracting, Inc.	
				Charlotte, NC		Rock Hill, SC		Charlotte, NC		Monroe, NC	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
Site Development											
13	Furnish and Install Asphalt Pavement	13,150	SY	\$ 62.36	\$ 820,034.00	\$ 58.00	\$ 762,700.00	\$ 71.85	\$ 944,827.50	\$ 71.00	\$ 933,650.00
14	Furnish and Install Cast-In-Place Concrete Footers	1	LS	\$ 196,000.00	\$ 196,000.00	\$ 500,000.00	\$ 500,000.00	\$ 238,844.10	\$ 238,844.10	\$ 332,000.00	\$ 332,000.00
15	Furnish and Install Cast-In-Place Concrete Slab	5,480	SY	\$ 164.24	\$ 900,035.20	\$ 165.00	\$ 904,200.00	\$ 223.35	\$ 1,223,958.00	\$ 183.00	\$ 1,002,840.00
16	Furnish and Install Concrete Sidewalk	275	SY	\$ 65.65	\$ 18,053.75	\$ 42.00	\$ 11,550.00	\$ 74.92	\$ 20,603.00	\$ 70.00	\$ 19,250.00
Utilities											
17	Furnish and Install 18" Casing Pipe	150	LF	\$ 1,132.56	\$ 169,884.00	\$ 300.00	\$ 45,000.00	\$ 314.31	\$ 47,146.50	\$ 634.00	\$ 95,100.00
18	Furnish and Install Concrete Manholes	4	EA	\$ 12,141.79	\$ 48,567.16	\$ 5,100.00	\$ 20,400.00	\$ 7,271.46	\$ 29,085.84	\$ 7,000.00	\$ 28,000.00
19	Water Piping and Associated Items										
a.	Furnish and Install 3" PVC Water Line	700	LF	\$ 33.21	\$ 23,247.00	\$ 68.00	\$ 47,600.00	\$ 67.38	\$ 47,166.00	\$ 49.00	\$ 34,300.00
b.	Furnish and Install 4" Ductile Iron Piping	25	LF	\$ 272.17	\$ 6,804.25	\$ 128.00	\$ 3,200.00	\$ 168.45	\$ 4,211.25	\$ 140.00	\$ 3,500.00
c.	Furnish and Install 6" Ductile Iron Piping	700	LF	\$ 101.40	\$ 70,980.00	\$ 74.00	\$ 51,800.00	\$ 196.53	\$ 137,571.00	\$ 84.50	\$ 59,150.00
d.	Furnish and Install Back Flow Preventers, Hydrants, and Water Meter	1	LS	\$ 75,910.00	\$ 75,910.00	\$ 110,000.00	\$ 110,000.00	\$ 135,266.08	\$ 135,266.08	\$ 60,000.00	\$ 60,000.00
20	Sewer Piping										
a.	Furnish and Install 4" PVC Sewer Line	140	LF	\$ 71.06	\$ 9,948.40	\$ 47.00	\$ 6,580.00	\$ 84.23	\$ 11,792.20	\$ 58.00	\$ 8,120.00
b.	Furnish and Install 4" Ductile Iron Sewer Line	55	LF	\$ 178.00	\$ 9,790.00	\$ 108.00	\$ 5,940.00	\$ 140.38	\$ 7,720.90	\$ 142.00	\$ 7,810.00
c.	Furnish and Install 8" PVC Sewer Line	160	LF	\$ 114.18	\$ 18,268.80	\$ 76.00	\$ 12,160.00	\$ 140.38	\$ 22,460.80	\$ 49.00	\$ 7,840.00
d.	Furnish and Install 8" Ductile Iron Sewer Line	100	LF	\$ 179.64	\$ 17,964.00	\$ 98.00	\$ 9,800.00	\$ 224.60	\$ 22,460.00	\$ 100.00	\$ 10,000.00
21	Furnish and Install Exterior Site Lighting and Interior Lighting	1	LS	\$ 428,000.00	\$ 428,000.00	\$ 445,000.00	\$ 445,000.00	\$ 547,747.26	\$ 547,747.26	\$ 514,000.00	\$ 514,000.00
22	Furnish and Install Site Electrical	1	LS	\$ 428,000.00	\$ 428,000.00	\$ 453,000.00	\$ 453,000.00	\$ 481,802.12	\$ 481,802.12	\$ 521,000.00	\$ 521,000.00
23	Furnish and Install Trench Drain, Sump, and Pump	1	LS	\$ 31,800.40	\$ 31,800.40	\$ 60,000.00	\$ 60,000.00	\$ 65,267.38	\$ 65,267.38	\$ 127,000.00	\$ 127,000.00

Item	Item Description	Quantity	Units	Ground Thunder Construction, Inc.		J. M. Cope, Inc.		AVM Contractors LLC		Hoss Contracting, Inc.	
				Charlotte, NC		Rock Hill, SC		Charlotte, NC		Monroe, NC	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
Miscellaneous											
24	Furnish and Install Scale	2	EA	\$ 230,625.50	\$ 461,251.00	\$ 120,000.00	\$ 240,000.00	\$ 138,440.10	\$ 276,880.20	\$ 200,000.00	\$ 400,000.00
25	Furnish and Install Chain Link Fencing and Gates	1	LS	\$ 33,575.33	\$ 33,575.33	\$ 33,000.00	\$ 33,000.00	\$ 31,261.11	\$ 31,261.11	\$ 45,000.00	\$ 45,000.00
26	Furnish and Install Bike Racks	1	LS	\$ 802.50	\$ 802.50	\$ 2,500.00	\$ 2,500.00	\$ 1,344.56	\$ 1,344.56	\$ 10,000.00	\$ 10,000.00
27	Miscellaneous Work and Cleanup	1	LS	\$ 127,000.00	\$ 127,000.00	\$ 200,000.00	\$ 200,000.00	\$ 79,665.42	\$ 79,665.42	\$ 250,000.00	\$ 250,000.00
28	Indemnification (minimum \$1,000.00)	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 59,167.00	\$ 59,167.00	\$ 49,412.39	\$ 49,412.39	\$ 70,000.00	\$ 70,000.00
29	Mobilization, Demobilization, and Insurance (Maximum 4% of Base Bid)	1	LS	\$ 84,200.00	\$ 84,200.00	\$ 185,000.00	\$ 185,000.00	\$ 64,659.82	\$ 64,659.82	\$ 50,000.00	\$ 50,000.00
Bid Subtotal (Items 1-29)				\$ 4,524,524.05		\$ 4,769,527.00		\$ 4,963,417.81		\$ 5,163,600.00	
30	5% Base Bid Contingency Allowance:	1	LS	\$ 226,226.20	\$ 226,226.20	\$ 238,476.35	\$ 238,476.35	\$ 248,170.89	\$ 248,170.89	\$ 258,180.00	\$ 258,180.00
Bid Total (Items 1-30)				\$ 4,750,750.25		\$ 5,008,003.35		\$ 5,211,588.70		\$ 5,421,780.00	

Notes:

- Ground Thunder's bid contained discrepancies between the unit price and bid item total amount for Bid Item 8. The discrepancy was resolved in favor of the unit price with a revised bid item total amount of \$7,525.00. Ground Thunder wrote out the bid item total amount instead of the unit price for Bid Item's 12, 13, and 20c. The bid item total amount for these items was calculated correctly and remains unchanged.
- There is a discrepancy in J. M. Cope's bid form between the unit price and the bid item total amount for Bid Item 28. The discrepancy appears to be an unintentional error and was resolved in favor of the unit price. The revised bid item total is \$59,167.00.
- AVM Contractor's bid contained discrepancies between the unit price and bid item total amount for Bid Items 3, 21, and 24. The discrepancies were resolved in favor of the unit prices. The bid also contained a discrepancy between the unit price in words and the unit price in figures for Bid Item 28. The discrepancy was resolved in favor of the unit price in words in accordance with the project manual. The revised bid item total is \$49,412.39.
- The bid subtotal, 5% base bid contingency, and bid total presented have been revised after resolving the discrepancies noted above.

Bid Tabulation was prepared by me or under my direct supervision.



Aaron M. Weispfenning, P.E.

