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April 6, 2018

Amber Grzyski, P.G.  
Mecklenburg County Land Use and Environmental Services Agency  
Solid Waste Engineering  
2145 Suttle Avenue  
Charlotte, NC 28208

Subject: North Mecklenburg Recycling Center Scale Replacement Project - Bid Evaluation and Recommendation

Dear Mrs. Grzyski:

Four (4) bids were received for the above-referenced project on Wednesday, March 28, 2018 in the Huntersville Conference Room at the Mecklenburg County Land Use and Environmental Services Agency in Charlotte, North Carolina. This letter presents CDM Smith's evaluation of the bids received and our recommendation for lowest responsible bidder. The certified bid tabulation is attached for your reference. As indicated in the specifications, the project was bid with a Total Bid Amount consisting of unit price and lump sum bid items. CDM Smith evaluated the bid based on the Total Bid Amount submitted by the contractors.

The project consists of the construction of two above-ground truck scales, two pre-manufactured modular buildings, asphalt removal and paving, sewer and water service lines, and other improvements necessary to provide scale operations at the North Mecklenburg Recycling Center. The work to be performed under this Contract generally includes the manufacture, delivery, installation and commissioning of two pre-manufactured modular buildings and two above-ground electronic truck scales with all appurtenances including scale foundations, ramps, aprons, digital scale indicators, remote displays, and all other required equipment; supporting civil, structural, automation, and electrical work; and other equipment and incidentals as shown on the Drawings and noted in the Specifications.

#### **BID EVALUATION**

CDM Smith evaluated the bids based on whether the bidder submitted all information as required by Section 00100 (Instructions to Bidders) of the Project Specifications.

A matrix is attached as **Exhibit 1** showing all bidders, the information required in the bid, and a summary of the bid amounts. The matrix indicates that Randolph & Son Builders and Holden Building Company submitted the required information. Miles McClellan did not submit Attachment A of Section 00420, Section 00480, and Section 00485. Eagle Wood Inc. did not acknowledge Addendums 1 through 4, however a Mecklenburg County representative stated this was acceptable since Eagle Wood received plans and specifications for the project during the Re-Bid period. Also, Eagle Wood Inc. did not utilize the Bid Security Form (Section 00410) provided in the bid documents; however, they did submit a Bid Bond form that included bid security language similar to Section 00410. **Exhibit 2** provides a complete bid tabulation for your review.



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The publicly opened bids, based on the Total Bid Amounts as read, are provided below from low to high:

1. Miles McClellan Construction	\$995,000.00
2. Randolph & Son Builders Inc	\$1,039,535.00
3. Eagle Wood Inc	\$1,241,952.97
4. Holden Building Company	\$1,278,266.00

Miles McClellan Construction was the apparent low bidder after the public opening of the bids. However, since Miles McClellan's bid package omitted numerous required sections, Mecklenburg County determined Miles McClellan's bid to be non-responsive, and therefore not considered further for award. The remaining bid evaluation discussion is based on the 2<sup>nd</sup> apparent low bidder, Randolph & Son Builders.

Section 00420 of the bid package indicated that in order to qualify for this project bidders must show experience on a minimum of three scale replacement/expansion projects within the past five years. The qualification requirement was included to ensure that only contractors and subcontractors experienced in general construction and the installation of scales were considered for award of this project.

Randolph & Son Builders submitted three scale projects they constructed in the past five years, and they plan to subcontract the provision and installation of the scales to Rice Lake Weighing Systems.

Randolph & Son Builders submitted the necessary general construction and scale related projects to demonstrate their team met the experience requirement. CDM Smith worked on one of the referenced projects with Randolph & Sons Builders and had a positive experience.

Randolph & Son Builders included a signed E-Verify Affidavit in their bid package.

## **REVIEW OF BID PRICES**

Each bid was reviewed for mathematical errors and other discrepancies. No errors or discrepancies were identified in Eagle Wood Inc.'s or Holden Building Company's bid; however, a few errors and discrepancies were noted in Randolph & Son Builders' bid.

There was a discrepancy between the Unit Price and the Unit Price in words in Line Item 1a (Excavation) of Randolph & Son Builders Bid Form. The Unit Price stated \$21.41 while the Unit Price in words stated "Twenty Dollars and Forty-One Cents". After further evaluation, the Bid Amount divided for the Quantity corresponded to a Unit Price of \$21.41. Also, a discussion with a company representative from Randolph & Son Builders confirmed that the correct Unit Price was \$21.41.

There were mathematical errors in Line Items 1a, 1b, 5, 6 and 9 of Randolph & Son Builders Bid Form. The line item Bid Amounts were calculated by the contractor to be 1a: \$5,353.00, 1b: \$7,186.00, 5: \$95,977.00, 6: \$20,832.00 and 9: \$6,879.00. Based on the Unit Prices provided on the Bid Form, the correct Bid Amounts were calculated to be 1a: \$5,352.50, 1b: \$7,185.75, 5: \$95,971.50, 6: \$20,830.50, 9: \$6,878.90. It appears that the Bid Item discrepancies were due to the contractor rounding the Bid Amounts up to the nearest whole number.



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Randolph & Son Builders calculated a Total Base Bid, 10% Base Bid Contingency Allowance, and Total Bid Amount to be \$945,032.00, \$94,503.00, and \$1,039,535.00, respectively. Using the corrected calculated Bid Amounts, the revised values for the Total Base Bid, 10% Base Bid Contingency Allowance, and Total Bid Amount were calculated to be \$945,024.15, \$94,502.42, and \$1,039,526.57, respectively.

As a result of the mathematical corrections to Randolph & Son Builders' Bid Items, the adjusted Total Base Bid, 10% Base Bid Contingency Allowance, and Total Bid Amount have been revised.

The revised Total Bid Amounts based on our evaluation and mathematical adjustments is as follows:

1. Randolph & Son Builders	\$1,039,526.57
2. Eagle Wood Inc.	\$1,241,952.97
3. Holden Building Company	\$1,278,266.00
4. Miles McClellan Construction	Non-responsive

#### **ENGINEER OPINION**

The bid 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, Randolph & Son Builders has submitted a complete bid and meets the qualification requirements for the North Mecklenburg Recycling Center Scale Installation Project.

Based upon our evaluation of the bid package including project experience and references, CDM Smith's opinion is that Randolph & Son Builders' adjusted bid in the amount of \$1,039,526.57 is reasonable, and the company is a qualified contractor capable of completing the Scale Installation Project.

CDM Smith's opinion is contingent upon the following:

- County's satisfactory review of Randolph & Son Builders' detailed information on any pending or outstanding judgements, claims, arbitration proceedings, or suits.
- County's satisfactory review of Randolph & Son Builder's MSWBE Provision documents.
- Determination that adequate funding is available for the project; and,
- 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,

Bridget Wlosek  
CDM Smith Inc.

cc: Jeffrey Smithberger, Mecklenburg County  
Joe Hack, Mecklenburg County  
Darren Steinhilber, Mecklenburg County  
Martin Sanford, CDM Smith  
Wendy Karably, CDM Smith



**EXHIBIT 1 - BID SUMMARY**  
**MECKLENBURG COUNTY**  
**NORTH MECKLENBURG RECYCLING CENTER SCALE INSTALLATION PROJECT**

BID OPENING  
WEDNESDAY, MARCH 28, 2018 2:00 P.M.

BIDDER	TOTAL BID AMOUNT	ADDENDUM NO. 1	ADDENDUM NO. 2	ADDENDUM NO. 3	ADDENDUM NO. 4	ADDENDUM NO. 1 RE-BID	BID BOND	SECTION 00310	SECTION 00410	SECTION 00420	SECTION 00480	SECTION 00485
Miles-McClellan Construction	\$ 995,000.00	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Randolph & Son Builders Inc	\$ 1,039,535.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Eagle Wood Inc	\$ 1,241,952.97					✓	✓	✓	✓	✓	✓	✓
Holden Building Company	\$ 1,278,266.00	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Notes:  
See Exhibit 2 for corrected Total Bid Amounts due to mathematical bid errors.  
Attachment A of Miles McClellan's Section 00420 was not executed.  
Miles McClellan's Bid Package has been deemed non-responsive by Mecklenburg County due to the missing sections.

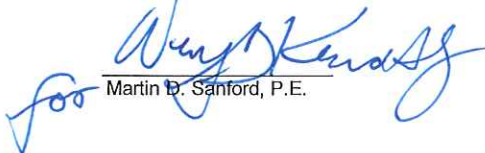
**Exhibit 2 - Bid Tabulation  
North Mecklenburg Recycling Center  
Scale Installation Project**

Item No.	Description	Quantity	Units	Miles McClellan		Randolph & Son Builders		Holden Building Co.		Eagle Wood	
				Charlotte, NC		Pineville, NC		Greenboro, NC		Denver, NC	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
BASE BID ITEMS											
1a	Excavation	250	CY	\$ 20.00	\$ 5,000.00	\$ 21.41	\$ 5,352.50	\$ 17.26	\$ 4,315.00	\$ 33.85	\$ 8,462.50
1b	Backfill	335	CY	\$ 15.00	\$ 5,025.00	\$ 21.45	\$ 7,185.75	\$ 17.40	\$ 5,829.00	\$ 25.26	\$ 8,462.10
2	Undercut and Stockpile Unsuitable Soil Material and Backfill Undercut Area with Suitable Soils	100	CY	\$ 30.00	\$ 3,000.00	\$ 69.94	\$ 6,994.00	\$ 57.50	\$ 5,750.00	\$ 29.80	\$ 2,980.00
3a	Scale Attendant Modular Building Complete	1	LS	\$ 58,000.00	\$ 58,000.00	\$ 99,275.00	\$ 99,275.00	\$ 183,315.00	\$ 183,315.00	\$ 166,222.73	\$ 166,222.73
3b	Kiosk Modular Building Complete	1	LS	\$ 25,000.00	\$ 25,000.00	\$ 35,203.00	\$ 35,203.00	\$ 69,288.00	\$ 69,288.00	\$ 55,120.75	\$ 55,120.75
4a	Modular Building Foundations	1	LS	\$ 40,000.00	\$ 40,000.00	\$ 31,197.00	\$ 31,197.00	\$ 107,175.00	\$ 107,175.00	\$ 43,745.02	\$ 43,745.02
4b	Scale Foundations	1	LS	\$ 160,000.00	\$ 160,000.00	\$ 24,806.00	\$ 24,806.00	\$ 163,558.00	\$ 163,558.00	\$ 230,366.60	\$ 230,366.60
5	New Asphalt Pavement	1,350	SY	\$ 58.00	\$ 78,300.00	\$ 71.09	\$ 95,971.50	\$ 85.10	\$ 114,885.00	\$ 59.14	\$ 79,839.00
6	Asphalt Removal	1,350	SY	\$ 12.00	\$ 16,200.00	\$ 15.43	\$ 20,830.50	\$ 14.96	\$ 20,196.00	\$ 4.58	\$ 6,183.00
7	Utility Hydrant	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 5,836.00	\$ 5,836.00	\$ 5,881.00	\$ 5,881.00	\$ 2,502.78	\$ 2,502.78
8	2" PVC Water Line	350	LF	\$ 22.00	\$ 7,700.00	\$ 16.86	\$ 5,901.00	\$ 11.50	\$ 4,025.00	\$ 143.69	\$ 50,291.50
9	4" PVC Sewer Line	310	LF	\$ 42.00	\$ 13,020.00	\$ 22.19	\$ 6,878.90	\$ 16.10	\$ 4,991.00	\$ 212.60	\$ 65,906.00
10	Above Ground Steel Deck Scales	2	EA	\$ 55,000.00	\$ 110,000.00	\$ 140,713.00	\$ 281,426.00	\$ 77,256.00	\$ 154,512.00	\$ 67,038.75	\$ 134,077.50
11a	Remote Displays	2	EA	\$ 3,500.00	\$ 7,000.00	\$ 2,759.00	\$ 5,518.00	\$ 5,579.00	\$ 11,158.00	\$ 5,363.10	\$ 10,726.20
12	Generator & Automatic Transfer Switch	1	LS	\$ 23,000.00	\$ 23,000.00	\$ 29,011.00	\$ 29,011.00	\$ 28,540.00	\$ 28,540.00	\$ 26,888.20	\$ 26,888.20
13	Electrical and Communication System Complete	1	LS	\$ 155,000.00	\$ 155,000.00	\$ 169,780.00	\$ 169,780.00	\$ 183,935.00	\$ 183,935.00	\$ 197,051.02	\$ 197,051.02
14	Coordination and Installation of Duke Energy Transformer	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 4,981.00	\$ 4,981.00	\$ 5,715.00	\$ 5,715.00	\$ 2,383.60	\$ 2,383.60
15	Miscellaneous Work and Cleanup	1	LS	\$ 200,000.00	\$ 200,000.00	\$ 108,877.00	\$ 108,877.00	\$ 88,992.00	\$ 88,992.00	\$ 37,839.65	\$ 37,839.65
TOTAL BASE BID (Items 1-15)					\$ 913,745.00		\$ 945,024.15		\$ 1,162,060.00		\$ 1,129,048.15
16	10% Base Bid Contingency Allowance				\$ 91,374.50		\$ 94,502.42		\$ 116,206.00		\$ 112,904.82
TOTAL BID AMOUNT (Items 1-16)					\$ 1,005,119.50		\$ 1,039,526.57		\$ 1,278,266.00		\$ 1,241,952.97

**Bid Tabulation Notes:**

- There is a discrepancy in the Total Base Bid, 10% Base Bid Contingency Allowance, and Total Bid Amount of Miles McClellan's Bid Form. The Total Base Bid, 10% Base Bid Contingency Allowance, and Total Bid Amount were calculated by the contractor to be \$904,545.00, \$90,455.00, and \$995,000.00, respectively. Based on the summation of line items 1-15, the correct Total Base Bid is calculated to be \$913,745.00 which corresponds to a 10% Base Bid Contingency Allowance of \$91,374.50 and a Total Bid Amount of \$1,005,119.50.
- There is a discrepancy in Line Items 1a, 1b, 5, 6, and 9 of Randolph & Sons Builders between the Unit Price and the corresponding Bid Amounts. The Bid Amounts were calculated by the contractor to be 1a: \$5,353.00, 1b: \$7,186.00, 5: \$95,977.00, 6: \$20,832.00, and 9: \$6,879.00. Based on the Unit Prices provided on the Bid Form, the Correct Bid Amounts were calculated to be 1a: \$5,352.50, 1b: \$7,185.75, 5: \$95,971.50, 6: \$20,830.50, and 9: \$6,878.90. The Total Base Bid is based on the correct Bid Amounts.
- There is a discrepancy in the Total Base Bid, 10% Base Bid Contingency Allowance, and Total Bid Amount of Randolph & Sons Builders's Bid Form. The Total Base Bid, 10% Base Bid Contingency Allowance, and Total Bid Amount were calculated by the contractor to be \$945,032.00, \$94,503.00, and \$1,039,535.00, respectively. Based on the summation of line items 1-15, the correct Total Base Bid is calculated to be \$945,024.15, which corresponds to a 10% Base Bid Contingency Allowance of \$94,502.42 and a Total Bid Amount of \$1,039,526.57.

BID TABULATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION.

  
Martin D. Sanford, P.E.