



Gaston County

Gaston County
Board of Commissioners
www.gastongov.com

Public Works

Board Action

File #: 23-331

Commissioner Cloninger - Public Works - To Award a Construction Contract to Shamrock Environmental Corporation and Authorize the County Manager, or Her Designee, To Execute the Necessary Contract Documents for Unit III Cell Construction at the Gaston County Landfill **(\$5,880,920.00 - Bid Amount)** and To Approve and Appropriate the Additional Funds Needed to Execute the Contract **(\$3,343,920)**

STAFF CONTACT

Dan Ziehm, PE - Public Works Director - 704-862-6795

BUDGET IMPACT

Appropriate \$3,343,920 from Solid Waste Fund Balance

BUDGET ORDINANCE IMPACT

N/A

BACKGROUND

The Gaston County Solid Waste and Recycling Division is committed to providing a safe, economical, and environmentally sensitive waste disposal facility for the citizens and businesses of Gaston County that meets or exceeds all applicable regulations. Consistent with the NC Solid Waste Management Rules (15A-NCAC-138), Gaston County is continuing to expand its current landfill site in compliance with Federal Subtitle D regulations which became effective on January 1, 1998. Periodic cell construction is necessary to provide a location to meet the disposal demands of Gaston County. The next landfill cell to be built is Unit III. The Division recently completed another construction project that was required prior to this cell construction. The construction bid for Unit III Cell Construction was publicly advertised on May 9, 2023, in the Charlotte Observer, HUBSCO, the Gaston County website and Duncan Parnell. A mandatory pre-bid was held at the site on May 23, 2023. Sealed bids were scheduled to be publicly opened on June 29, 2023. Due to an insufficient number of bids received, the bids were not opened on the originally scheduled date. The project was re-advertised publicly on July 2, 2023, and the bids were received on July 11, 2023, with the following results:

<u>Contractor</u>	<u>Bid Amount</u>
Shamrock Environmental Corporation	\$5,880,920.00
Morgan Corporation	\$7,481,240.00

(Continued on Page 2)

DO NOT TYPE BELOW THIS LINE

I, Donna S. Buff, Clerk to the County Commission, do hereby certify that the above is a true and correct copy of action taken by the Board of Commissioners as follows:

NO.	DATE	M1	M2	CBrown	CCloninger	AFrale	BHovis	KJohnson	TKeigher	RWorley	Vote
2023-260	07/27/2023	BH	AF	A	A	A	A	A	A	A	U

DISTRIBUTION:

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A=AYE, N=NAY, AB=ABSENT, ABS=ABSTAIN, U=UNANIMOUS

Commissioner Cloninger - Public Works - To Award a Construction Contract to Shamrock Environmental Corporation and Authorize the County Manager, or Her Designee, To Execute the Necessary Contract Documents for Unit III Cell Construction at the Gaston County Landfill (\$5,880,920.00 - Bid Amount) and To Approve and Appropriate the Additional Funds Needed to Execute the Contract (\$3,343,920)

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In addition to construction, and to comply with State and Federal regulations, Gaston County is required to provide project administration and testing services for construction. HDR Engineering, Inc. of the Carolinas is the engineer of record and will be charged with the oversight of the project as it relates to design permit approval, and management of quality assurance and testing. These additional services are required by NCDEQ to obtain approval for a Permit to Operate for Unit III. The projected cost for this portion of the construction project is approximately \$488,000.00

Based on bids received, this Board Action deems Shamrock Environmental Corporation as the General Contractor submitting the lowest, responsive, responsible bid. Shamrock Environmental Corporation completed all HUB/MWBE good faith efforts and submitted a bid with 7.65% HUB/MWBE participation. Approval of this Board Action formally selects Shamrock Environmental Corporation as the successful contractor, directs the County Attorney to draft all necessary contract documents and authorizes the County Manager, or her designee to execute all necessary contract documents for construction, oversight, and testing service, and transfers the required funds into the appropriate construction and professional services accounts for expenditure purposes.

POLICY IMPACT

N/A

ATTACHMENTS

Recommendation Letter and Certified Bid Tabulation; Budget Change Request (BCR)



July 11, 2023

Via Email

Marcie Smith, Assistant Director of Environmental Services
Gaston County Solid Waste Department
P.O. Box 1578
Gastonia, NC 28053-1578
Marcie.Smith@gastongov.com

RE: Gaston County Landfill
Project Bid Information
Unit III Landfill Construction – Gaston County Landfill
HDR Project No. 10348624

Dear Ms. Smith:

HDR Engineering, Inc. of the Carolinas (HDR) has reviewed the bids received by Gaston County on July 11, 2023 at 2:00 pm for Unit III Landfill Construction at the Gaston County Landfill. The project is for approximately 8 acres of liner construction and the associated infrastructure for the landfill cell, including installation of the geomembrane, drainage composite, operational cover, leachate collection system and pump station, and ancillary road. The following information is provided regarding HDR's evaluation of bids received.

Two (2) bids for the above-referenced project were received by the Gaston County Solid Waste Department and reviewed by HDR. Bids were received from the following contractors and are listed in order based on lowest to highest bid:

1. Shamrock Environmental Corporation: \$5,880,920.00
2. Morgan Corporation: \$7,481,240.00

The bids were examined for accuracy and compliance with the bid requirements. References were checked, and pursuant to all bid qualification documentation being accepted, the apparent low bidder was chosen.

Recommendations

Based on the low apparent bidder and accurate compliance with the bid requirements and qualifications, HDR recommends that the County enter into a contract with Shamrock Environmental Corporation for this project.

HDR appreciates the opportunity to provide continued service to Gaston County. Please feel free to contact me if you have questions regarding this information.

July 11, 2023
Ms. Marcie Smith
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Respectfully submitted,
HDR Engineering, Inc. of the Carolinas

A handwritten signature in cursive script that reads "Emily Tucker".

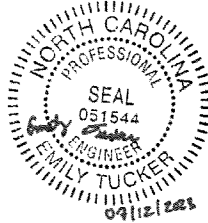
Emily Tucker, PE
Project Engineer

Enclosure: Bid Tabulation Sheet Summary

cc: Dan Ziehm, PE, Public Works Director, Gaston County
Mike Plummer, PE, HDR



Bid Tabulation Sheet Summary
Gaston County Hardin Landfill Unit III Landfill Construction - 10348624
Bids Received July 11, 2023 at 2:00PM



CONTRACTOR:	Shamrock Environmental Corporation	Morgan Corp.
ADDRESS:	6106 Corporate Park Dr. Browns Summit, NC 27214	PO Box 3555 Spartanburg, SC 29304
PHONE:	336.375.1989	864.433.8800
FAX:		
LICENSE #:	47513	12289
TYPE:	General Contracting	General Contracting
STATUS:	Valid	Valid
EXPIRATION:	12/31/2023	12/31/2023
CLASSIFICATION:	Unclassified	Building; Highway; PU (Water Lines & Sewer Lines)

Item No.	Description	Estimated Quantity	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost
Base Bid Price for Contract							
1.	Bonds, Insurance, and Mobilization	1	LS	\$ 213,234.00	\$ 213,234.00	\$ 58,427.00	\$ 58,427.00
2.	Construction Quality Control	1	LS	\$ 185,343.00	\$ 185,343.00	\$ 295,552.00	\$ 295,552.00
3.	Surveying and Control	1	LS	\$ 128,125.00	\$ 128,125.00	\$ 113,363.00	\$ 113,363.00
4.	Erosion and Sediment Controls	1	LS	\$ 283,204.00	\$ 283,204.00	\$ 67,257.00	\$ 67,257.00
5.	Earthwork			\$ -	\$ -	\$ -	\$ -
5A. On-site Source	18,000	CY	\$ 6.60	\$ 118,800.00	\$ 6.10	\$ 109,800.00	
5B. Off-site Source	15,000	CY	\$ 27.00	\$ 405,000.00	\$ 29.40	\$ 441,000.00	
6.	Storm Drain System	1	LS	\$ 129,190.00	\$ 129,190.00	\$ 86,116.50	\$ 86,116.50
7.	Demolition	1	LS	\$ 30,927.00	\$ 30,927.00	\$ 24,364.50	\$ 24,364.50
8.	Subgrade Preparation	1	LS	\$ 5,224.00	\$ 5,224.00	\$ 23,685.50	\$ 23,685.50
9.	Compacted Soil Liner (24" 1x10-7 cm/sec)	30,000	CY	LS \$ 871,710.00	LS \$ 1,555,500.00	LS \$	LS \$ 1,555,500.00
10.	60 mil HDPE Installation	8	AC	LS \$ 253,109.00	LS \$ 172,672.00	LS \$	LS \$ 172,672.00
11.	Geocomposite Drainage Installation	8	AC	LS \$ 138,296.00	LS \$ 92,880.00	LS \$	LS \$ 92,880.00
12.	Leachate Collection Piping	1	LS	\$ 172,289.00	\$ 172,289.00	\$ 311,914.00	\$ 311,914.00
13.	Leachate Collection Stone	1	LS	\$ 201,956.00	\$ 201,956.00	\$ 256,543.00	\$ 256,543.00
14.	Separator Geotextile	1	LS	\$ 13,094.00	\$ 13,094.00	\$ 17,488.50	\$ 17,488.50
15.	Operational Layer – Soil	30,000	CY	LS \$ 1,594,949.00	LS \$ 2,571,000.00	LS \$	LS \$ 2,571,000.00
16.	Pump Station	1	LS	\$ 135,901.00	\$ 135,901.00	\$ 179,381.00	\$ 179,381.00
17.	Electrical, Instrumentation and Control	1	LS	\$ 154,688.00	\$ 154,688.00	\$ 155,351.00	\$ 155,351.00
18.	Leachate Pumps	1	LS	\$ 73,057.00	\$ 73,057.00	\$ 113,329.00	\$ 113,329.00
19.	Forcemain	425	LF	\$ 332.00	\$ 141,100.00	\$ 200.40	\$ 85,170.00
20.	Pump Station 1 Forcemain Connection	1	LS	\$ 6,718.00	\$ 6,718.00	\$ 2,198.00	\$ 2,198.00
21.	Rock Excavation	5,000	CY	\$ 34.00	\$ 170,000.00	\$ 46.80	\$ 234,000.00
22.	Seeding	5	AC	\$ 9,025.00	\$ 45,125.00	\$ 2,345.00	\$ 11,725.00
23.	Erosion Control Matting	4,500	SY	\$ 1.70	\$ 7,650.00	\$ 1.90	\$ 8,550.00
24.	Stone Access Road	5,600	SY	LS \$ 202,231.00	LS \$ 294,000.00	LS \$	LS \$ 294,000.00
25.	Contingency	1	LS	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00
Total Base Bid Price For Contract				\$5,880,920.00		\$7,481,240.00	
All Addenda Acknowledged				Yes		Yes	
Non-Collusion Affidavit of Prime Bidder				Yes		Yes	
MWDBE				Yes		Yes	
Evidence of Qualification to conduct business				Yes		No	
Project Experience (completed & current)				Yes		Yes	
Financial Data				Yes		No	
Subcontractors List				Yes		No	
Identified Borrow Sources				Yes		Yes	
Bid Bond (5%)				Yes		Yes	
Irregularities (see highlighted areas on form)				License Year on provided General Contracting Certificate is for 2022.			

CERTIFICATION: This is certified to be an accurate tabulation of bids received for the project.

Resolution: 2023-260

GASTON COUNTY BUDGET CHANGE REQUEST (BCR)

TO: Dr. Wm S. Eagle COUNTY MANAGER
FROM: Public Works - Solid Waste Division
Dept. Code _____ Department Name _____
Dan Ziehm, PE 7-11-2023
Department Director Date

Daniel K. Ziehm
08/02/2023
Daniel K. Ziehm
07/12/2023

REQUEST TYPE:

- ☐ Line-Item Transfer Within Department & Fund
☐ Project Transfer Within Department & Fund
☐ Line-Item Transfer Between Departments
- ☐ Line-Item Transfer Between Funds*
☒ Additional Appropriation of Funds*

* Requires resolution by the Board of Commissioners

ACCOUNT DESCRIPTION As It appears in Munis	ACCOUNT NUMBER										AMOUNT** Whole dollars only
	4	3	3	5	6	7	4	2	6	5	
	Fund	Dept	Div	SubDiv	Proj	SubProj	Future	Time	Obj	Proj	
Ex. Employee Training	XXXX	XXX	XXX	XXXXX	XXXXXX	XXXXXX	XXXX	XX	XXXXXX	XXXXXX	Ex. \$5,000 Ex. (\$5,000)
	Ex. 1000-BGT-000-00000-000000-0000000-0000-01-520011-										
Fund Balance Appropriated	6000-NDP-000-00000-FBApro-0000000-0000-99-490000-										(\$3,343,920.00)
Landfill Unit Permit/Construction	6000-SWS-380-00000-000000-0000000-0000-08-530010-20019										\$2,855,920.00
ProfScvs: LF Unit III	6000-SWS-380-00000-000000-0000000-0000-08-530010-20019										\$488,000.00
CORRECTION: 08/02/23 Landfill Unit Permit/Construction	6000-SWS-380-00000-000000-0000000-0000-08-540006-20019										\$2,855,920.00
ProfScvs: LF Unit III	6000-SWS-380-00000-000000-0000000-0000-08-540016-20019										\$488,000.00

JUSTIFICATION FOR REQUEST:

This Budget Change Request appropriates available funds from the Solid Waste Fund Balance to cover the costs associated with Construction of Unit III Cell, including construction administration and oversight fees from Engineering firm required by NCDEQ. This Budget Change Request moves available funds from the Solid Waste Fund Balance into project accounts for expenditure purposes.

** Decreases in expenditures and increases in revenue accounts require brackets. Increases in expenditures and decreases in revenue do not require brackets. Please note that transfers between funds require inter-fund transfer accounts.