

**Indian River County, Florida
Solid Waste Disposal District (SWDD)
Board Memorandum**

Date: June 7, 2023

To: The Solid Waste Disposal District Board of County Commissioners

Through: John Titkanich, Jr., County Administrator
Sean C. Lieske, Director of Utility Services

Prepared By: Himanshu H. Mehta, PE, Managing Director, SWDD

Subject: Award of Bid for Class 1 Landfill Segment 3 Cell 3 Site Preparation Project (Bid #2023040)

Descriptions and Conditions:

The Indian River County (IRC) Solid Waste Disposal District (SWDD) requested the solicitation of bids for the Phase 1 construction of Cell 3 of Segment 3 Expansion of the Class 1 Landfill (hereafter referred to as the Project) at the IRC Landfill. SWDD utilized Geosyntec to provide the initial Phase 1 design, permitting, and bidding assistance for this Project in accordance with the approved Work Order No. 18 dated November 22, 2022, in the amount of \$171,304.71. The Phase 1 Project is limited to site preparations, which include the earthwork for the subgrade of Cell 3, appropriate routing of the perimeter stormwater ditch, and any impacts to groundwater monitoring wells and landfill gas probes, as necessary. As a bid alternative, the Project included site preparation for the subgrade of Cell 4.

Bid Results:

Advertising Date: March 31, 2023
 Bid Opening Date: May 5, 2023
 Demandstar Broadcast to: 465 Subscribers
 Specifications/Plans Downloaded by: 27 Plan Holders
 Replies: 3 Vendors

Bidder	Location	Base Bid (CELL 3)	Optional Bid (CELL 4)	Total Bid
Ryan Incorporated Southern	Deerfield Beach, Florida	\$5,843,434 (Corrected to \$5,848,249.10)	\$2,355,320	\$8,198,754 (Corrected to \$8,203,569.10)
Comanco Environmental Corporation	Plant City, Florida	\$6,141,000	\$2,833,300	\$8,974,300
Thalle Construction Company, Inc.	Hillsborough, North Carolina	\$10,585,750	\$4,277,750	\$14,863,500

Analysis:

This Project provides the site preparation activities only which primarily consists of bringing in fill materials (dirt) and compacting it in lifts to create the proper footprint to later install an engineered liner system.

ENGINEER'S ESTIMATES:

On February 28, 2023, Geosyntec provided a 100 Percent Opinion of Probable Construction Cost for the project in the range of \$3,844,603 to \$4,812,155 for Cell 3 and \$2,823,940 to \$3,529,925 for Cell 4, or a total range of \$6,668,543 to \$8,342,080 for both Cell 3 and Cell 4, as included in Attachment 1. Geosyntec provided this estimate based on the material prices obtained from recognized suppliers as well as a review of recent bids, and included a 15% contingency for the Cell 3 base bid.

ENGINEER'S BID EVALUATION:

On May 5, 2023, the IRC Purchasing Division provided a summary of the bid tabulation confirming that each of the bidders was responsive in submitting all of the required information in the bid documents.

On May 17, 2023, Geosyntec provided the evaluation of bids for this project, as summarized below and included in Attachment 2.

Bidder	Grand Total Base Bid Items No. 1-7 (CELL 3)	Contingency (15%)	Grand Total Base Bid Item Nos. 1 -7 plus Contingency	Grand Total Optional Bid Items No. 8-10 (CELL 4)	Grand Total Item Nos. 1 -10
<i>Engineer's Estimate</i>	<i>\$4,941,958</i>	<i>\$741,294</i>	<i>\$5,683,252</i>	<i>\$2,274,250</i>	<i>\$7,957,501.70</i>
Ryan Incorporated Southern	\$5,085,434	\$762,815.10*	\$5,848,249.10*	\$2,355,320	\$8,203,569.10
Comanco Environmental Corporation	\$5,340,000	\$762,815	\$6,141,000	\$2,833,300	\$8,974,300.00
Thalle Construction Company, Inc.	\$9,205,000	\$1,380,750	\$10,585,750	\$4,277,750	\$14,863,500.00
* Geosyntec has corrected the minor mathematical error by Ryan in calculating the 15% contingency.					

Geosyntec also found each of the bidders responsive and performed a positive reference check on the apparent low bidder. Geosyntec recommends that the construction contract be awarded to the "lowest, responsive, responsible bidder", Ryan Incorporated Southern (Ryan), for the Project, IRC Bid No. 2023040. Geosyntec recommends award of the contract for Base Bid Items 1-7 in the amount of \$5,085,434 with a contingency of 15 percent of the base bid items in the amount of \$762,815.10 for a total award of \$5,848,249.10. All contingency amounts will require approval on a case-by-case basis for inclusion in the project.

The total allocated funding for both Phase 1 and Phase 2 for Cell 3 Segment 3 is approximately \$10,625,000, which consists of \$1,050,000 for engineering and \$9,575,000 for construction. Upon award for Phase 1 construction for \$5,848,249.10, there will be \$3,726,750.90 available for Phase 2 construction.

Geosyntec is currently preparing the bid documents for the Phase 2 – construction of Cell 3 of Segment 3 Expansion of the Class 1 Landfill project. Their preliminary cost estimate is approximately \$600,000 per

acre, or a total of \$6,324,000, for a 10.54-acre Cell 3. If the actual cost is this or higher, then the \$3,726,750.90 available will not be sufficient and a budget amendment will be required.

As noted above, there was an optional bid requested and received for Phase 1 – Cell 4 preparations with the intent that if funding was available then it would make economic sense to complete both at the same time. In order to allow more time to analyze our funding options, Ryan has agreed to allow SWDD 80 days from notice to proceed of Cell 3 work to authorize the optional Cell 4 work. Staff will return at a future board meeting for determination of Cell 4 work.

Funding:

Funding of \$5,848,249 for Cell 3 project will be recorded in the operating SWDD/WIP/Cell 3 Landfill Expansion capital account, number 411-169000-22034. Since this is an operating capital project, the funds will come from fund balance. Operating funds are derived from SWDD assessments and user fees.

Description	Account Number	Amount
SWDD/WIP/Cell 3 Landfill Expansion	411-169000-22034	\$5,848,249.10

Recommendation:

Staff recommends that its Board approve the following:

- a) Approve award of Bid No. 2023040 to Ryan Incorporated Southern of Deerfield Beach, Florida, as the lowest, responsive, responsible bidder for the Phase 1 construction of Cell 3 Segment 3 Expansion of the Class 1 Landfill project for a grand total in the amount of \$5,848,249.10. So long as there are no changes in the dollar amount under this award, upon adequate completion of the work set forth in the Agreement, staff is directed to make final payment and release any retainage to Ryan Incorporated Southern after review and approval by the Purchasing Manager and the County Attorney's Office.
- b) Approve and authorize the Chairman to execute the sample agreement, as presented, pending receipt of the required bonds, insurance, and evidence of enrollment in e-verify, and final approval by the County Attorney as to form and legal sufficiency.

Attachments:

1. Geosyntec Evaluation of Bids
2. Sample Agreement