

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

**Date:** January 22, 2021

**To:** Jason E. Brown, County Administrator

**From:** Vincent Burke, PE, Director of Utility Services

**Prepared By:** Himanshu H. Mehta, PE, Managing Director, Solid Waste Disposal District (SWDD)

**Subject:** Award of Bid for Landfill Segment 3 Cell 1 Landfill Gas System Expansion Project (Bid #2021006)

**Descriptions and Conditions:**

The Indian River County (IRC) Solid Waste Disposal District (SWDD) requested the solicitation of bids for the construction of the Landfill Segment 3 Cell 1 Landfill Gas System Expansion. SWDD utilized CDM Smith to provide the initial Phase 1 design, permitting and bidding assistance for this project in accordance with the approved Work Order No. 2 dated May 19, 2020, in the amount of \$199,810. The Phase 2 construction services will be provided under an amendment to Work Order No. 2.

**Bid Results:**

Advertising Date: November 29, 2020  
 Bid Opening Date: January 6, 2021  
 Demandstar Broadcast to: 574 Subscribers  
 Specifications/Plans Downloaded by: 15 Plan Holders  
 Replies: 4 Vendors

Bidder	Location	Total Bid
Aptim Environmental & Infrastructure, LLC	Baton Rouge, Louisiana	\$1,204,698.00
Prime Construction Group, Inc	Orlando, Florida	\$2,293,879.00
Sterns, Conrad and Schmidt, Consulting Engineers, Inc. dba SCS Field Services	Reston, Virginia	\$1,064,910.00
Triten Industrial Contractors, LLC	Jacksonville, Florida	\$1,538,295.00

**Analysis:**

This project provides the expansion of the landfill gas system, which will provide additional odor control, reduce the possibility of a fire/explosion, and provide a potential to market the landfill gas.

*ENGINEER’S ESTIMATES:*

On November 17, 2020, CDM Smith provided a 100 Percent Opinion of Probable Construction Cost for the project in the amount of \$2,077,000, as included in Attachment 1. CDM Smith provided this estimate based on the material prices obtained from recognized suppliers and review of recent bids and included a 10% contingency.

*ENGINEER’S BID EVALUATION:*

On January 6, 2021, the Indian River County 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 January 22, 2021, CDM Smith provided the evaluation of bids for this project, as summarized below and included in Attachment 2.

<b>Bidder</b>	<b>Grand Total Base Bid Items No. 1-3</b>	<b>Bid Item No. 4 Contingency (10%)</b>	<b>Grand Total Base Bid Item Nos. 1 -4</b>	<b>Item 5 - Alternate Bid Item 1 (additional)</b>	<b>Grand Total Base Bid Item Nos. 1 -5</b>
Sterns, Conrad and Schmidt, Consulting Engineers, Inc. dba SCS Field Services	\$ 968,100	\$96,810	\$1,064,910	\$3,600	\$1,068,510
Aptim Environmental & Infrastructure, LLC	\$1,095,180	\$109,518	\$1,204,698	\$28,200	\$1,232,898
Triten Industrial Contractors, LLC	\$1,398,450	\$139,845	\$1,538,295	\$3,840	\$1,542,135
Prime Construction Group, Inc	\$2,085,345	\$208,534	\$2,293,879	\$5,400	\$2,299,279

CDM Smith also found each of the bidders responsive and performed a positive reference check on the apparent low bidder. CDM Smith recommends that the construction contract be awarded to the “lowest, responsive, responsible bidder”, Sterns, Conrad and Schmidt, Consulting Engineers, Inc. dba SCS Field Services, for the Indian River County Landfill Segment 3 Cell 1 Landfill Gas System Expansion project, IRC Bid No. 2021006. CDM Smith recommends award of the contract for Base Bid Items 1-3 in the amount of \$968,100 with a contingency of 10 percent of the base bid items in the amount of \$96,810 and Alternate Bid Item 1 in the amount of \$3,600 for a Grand Total, not to exceed amount, of \$1,068,510. All contingency amounts will require approval on a case-by-case basis for inclusion in the project.

*PERMITTING STATUS:*

On October 29, 2020, CDM Smith submitted to the Florida Department of Environmental Protection (FDEP) a landfill intermediate modification to permit 0128769-022-SC (construction) and minor modification to permit 0128769-023-SO (operations). The cost of the permit modification was \$5,000. On November 25, 2020, the FDEP issued a “Notice of Intent to Issue Permit Modification Nos. 0128769-029-SO-IM”. Per FDEP requirements, SWDD published this notice in the Press Journal on December 1, 2020. On December 16, 2020, the FDEP issued the permit to SWDD to proceed with the construction of this project.

The contractor would be responsible for obtaining any other necessary construction/building permits identified in the bid documents.

**Funding:**

The Segment 3 Cell 1 Landfill Gas Expansion project is considered a “closure activity” and, as such, is funded from an escrow account long established per FDEP requirements.

The project has been given a substantial completion time of 180 calendar days, and a final completion time of 210 calendar days. Therefore, if approved today, it is anticipated that the work/invoicing for this project will be completed in the current fiscal year.

Please note, there will be engineering construction services that will be required to oversee the project due to its technical and involved construction process. These costs are provided in more detail in a separate agenda item for SWDD Board approval. However, a summary of these estimated costs is included below to provide an overall budgetary impact from these projects.

<b>SUMMARY OF ENGINEERING SERVICES</b>		
<b>DESCRIPTION</b>	<b>AMOUNT</b>	<b>APPROVAL DATE</b>
Phase I – Design, Bid and Permitting Services	\$199,810.00	07-18-2017
Phase II – Engineering Services During Construction	\$139,190.00	Pending 02-02-2021
<b>Total Engineering Services</b>	<b>\$339,000.00</b>	

Below is a summary of both the engineering and construction costs in terms of the two revenue funding sources.

<b>SUMMARY OF ENGINEERING AND CONSTRUCTION COSTS</b>	
<b>DESCRIPTION</b>	<b>TOTAL</b>
Phase I – CDM Smith	\$199,810.00
Phase II – CDM Smith	\$139,190.00
<b>Total Engineering Costs</b>	<b>\$339,000.00</b>
Total Base Bid – SCS Field Services	\$968,100.00
Construction Contingency (10%)	\$96,810.00
Bid Alternative	\$3,600.00
<b>Total Construction Costs</b>	<b>\$1,068,510.00</b>
<b>Total Engineering and Construction Costs</b>	<b>\$1,407,510.00</b>

In the current Fiscal Year (FY) 2020/21, we have budgeted \$2,500,000 for the Segment 3 Cell 1 Landfill Gas Expansion project.

As with any construction project, there is a possibility of delays due to weather and other unforeseen circumstances that may affect the overall schedule and budget of both the engineering and/or construction costs.

<b>BID NO. 2021006 AWARD TO SCS FIELD SERVICES</b>		
<b>DESCRIPTION</b>	<b>ACCOUNT</b>	<b>AMOUNT</b>
Construction – Segment 3 Cell 1 Landfill Gas Expansion	411-239006 (Escrow)	\$1,068,510.00

**Recommendation:**

Staff recommends that its Board approve the following:

- a) Approve award of Bid No. 2021006 to Sterns, Conrad and Schmidt, Consulting Engineers, Inc. dba SCS Field Services, of Reston, Virginia, as the lowest responsive responsible bidder for the Segment 3 Cell 1 Landfill Gas System Expansion project for a grand total in the amount of \$1,068,510.00.
  
- b) Approve and authorize the Chairman to execute the sample agreement, as presented, pending receipt of bonds and insurance requirements and final approval by the County Attorney as to form and legal sufficiency.

**ATTACHMENT:**

- 1. CDM Smith 100 Percent Opinion of Probable Construction Cost
- 2. CDM Smith Evaluation of Bids
- 3. Sample Agreement