

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

Date: September 10, 2021

To: Jason E. Brown, County Administrator

From: Matthew Jordan, Interim Director of Utility Services

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

Subject: Final Pay and Amendment No 2 to Work Order No. 2 to CDM Smith, Inc.

Descriptions and Conditions:

On June 6, 2017, the Indian River County (IRC) Solid Waste Disposal District (SWDD) Board authorized negotiations with the top ranked firm, CDM Smith, Inc. (CDM Smith), in accordance with Florida Statutes (FS) 287.055, Consultant's Competitive Negotiation Act, per the Request for Qualification (RFQ) #2017048 for Engineering Consulting Services for Landfill Closure, Landfill Gas System Expansion, and Cell Construction. The Board approved the contract agreement with CDM Smith on July 18, 2017.

On May 19, 2020, the SWDD Board approved Work Order No. 2, in the amount of \$199,810, to CDM Smith to provide the initial Phase 1 design, permitting, and bidding assistance for the expansion of the landfill gas collection system for Segment 3, Cell 1 (Project). Phase 2 of the project would cover the engineering services during construction.

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). On December 16, 2020, the FDEP issued the permit to SWDD to proceed with the construction of this project.

On November 17, 2020, CDM Smith provided a 100 Percent Opinion of Probable Construction Cost for the Segment 3, Cell 1 expansion of the landfill gas collection system in the amount of \$2,077,000.

On November 29, 2020, per the bid specification and drawings prepared by CDM Smith, the IRC Purchasing Division advertised Bid No. 2021006 for the project. On January 6, 2021, the IRC Purchasing Division opened bids and provided a summary of the bid tabulation confirming that four bidders were 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. On February 9, 2021, the SWDD Board approved the award of bid to Sterns, Conrad, and Schmidt Consulting Engineers, Inc. dba SCS Field Services for \$1,068,510.00. With change orders and final payment, the total construction cost of the project is \$1,123,497.00.

On February 9, 2021, the SWDD Board approved Amendment No. 1 to Work Order No. 2 in the amount of \$139,190 for general and special engineering services during construction. On August 5, 2021, SCS Field Services achieved Substantial Completion on the project, and Final Completion is scheduled for

SWDD Item

September 15, 2021. As part of the construction phase, CDM Smith provided additional engineering services; therefore, this agenda item requests authorization to approve Amendment No. 2 to Work Order No. 2 and to issue a final payment.

Analysis:

CDM Smith has prepared Amendment No. 2 to Work Order No. 2, provided in Attachment 1, for engineering services detailing the scope of work, budget, and schedule for the project. The fees to be paid by SWDD for the execution of this work authorization are in accordance with the engineer's continuing consulting services master agreement. The table below shows the estimated fees.

TASK	DESCRIPTION – Amendment No. 2	AMOUNT
Phase 2	Task 7 – General Engineering Services During Construction (Lump Sum)	\$ 8,500

CDM Smith reviewed design drawings and added additional landfill gas extraction wells. They also reviewed field conditions and recommended solutions to lateral leachate seepage on the north face of Segment 2 landfill, and recommended remedial action and facilitated changes with the Contractor to implement the changes. Staff supports the request by CDM Smith for a final reconciliation request of \$8,500 for Task 7 for additional engineering services during construction. Upon approval of this amendment, the total engineering costs for the project will be \$347,500.

Final Pay:

CDM Smith has satisfactorily completed all the assignments described in the scope of work for a total invoiced amount, including the final invoice of \$38,699.66. After final payment, the total amount paid to CDM Smith will be \$347,500.00. This represents approximately 31% of the overall construction project costs.

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

DESCRIPTION	ACCOUNT NO.	AMOUNT
Accrued Closure – I, II & Infill	411-239006 (Escrow)	\$38,699.66

Recommendation:

Solid Waste Disposal District staff recommends that its Board approve the following:

- a) Approve Amendment No. 2 to Work Order No. 2 with CDM Smith Inc. in the amount of \$8,500 to provide engineering services related to Phase 2 of the Class I Landfill Segment 3, Cell 1 expansion of the landfill gas collection system.
- b) Authorize the Chairman to execute the same, as presented.
- c) Approve CDM Smith’s final invoice amount of \$38,699.66.

Attachments:

- 1) Amendment No. 2 to Work Order No. 2
- 2) CDM Smith Final Invoice and Project Completion Report