

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

Date: January 29, 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: Amendment No 1 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 #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. The bid award is being considered for approval by the SWDD Board under a separate agenda item.

This agenda item requests authorization to CDM Smith to initiate Phase 2 of the project under Amendment No. 1 to Work Order No. 2.

Analysis:

CDM Smith has prepared Amendment No. 1 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

SWDD Item

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	AMOUNT
Phase 2	Task 1 – Project Quality Management (Lump Sum)	\$ 8,390
	Task 7 – General Engineering Services During Construction (Lump Sum)	\$ 53,900
	Task 8 – Special Engineering Services During Construction (Lump Sum)	\$ 18,550
	Task 9 – Representative Services During Construction (Not-to-Exceed)	\$ 48,350
	Task 10 – Additional Engineering Services During Construction (Contingency)	\$ 10,000
		\$139,190

The costs above are consistent with what SWDD has paid historically for these services. Upon approval of this amendment, the total engineering costs for the project will be \$339,000.

CDM Smith has included certain assumptions in their proposal related to the number of site visits (up to 10), review/approval of up to 15 shop drawings and responding up to three requests for information from the contractor. CDM Smith has estimated 320 labor hours (80 working days averaging 4 hours per day) for their field representative and 44 labor hours for their engineering staff support of the field representative during construction. The overall project construction period in the bid documents was 180 calendar days to get to substantial completion and 210 calendar days to get to final-completion. However, staff is optimistic that the project will be completed in much shorter duration and is comfortable with the budget request by CDM Smith. Staff will request additional funding from the SWDD Board at a future meeting should the project exceed the assumptions made by CDM Smith.

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
Engineering Services During Construction	411-239006 (Escrow)	\$139,190

Recommendation:

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

- a) Approve Amendment No. 1 to Work Order No. 2 with CDM Smith Inc. in the amount of \$139,190 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.

Attachment:

- 1) Amendment No. 1 to Work Order No. 2