



INDIAN RIVER COUNTY
SOLID WASTE DISPOSAL DISTRICT
BOARD MEMORANDUM



Date: July 11, 2017
To: Jason E. Brown, County Administrator
From: Vincent Burke, Director of Utility Services
Prepared By: Himanshu H. Mehta, P.E., Managing Director, Solid Waste Disposal District
Subject: IRC Landfill Work Order No. 1 to CDM Smith, Inc.

DESCRIPTIONS AND CONDITIONS:

On June 6, 2017, the Solid Waste Disposal District (SWDD) Board authorized negotiations with the top ranked firm, CDM Smith, Inc. (CDM Smith), in accordance with 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 is scheduled to approve the contract agreement with CDM Smith on July 18, 2017.

Staff requested a proposal from CDM Smith to provide professional engineering services for the proposed Class I Landfill, Segment 3, Cell 2 expansion, partial closure of Segment 2, and expansion of the landfill gas collection system (Project). The proposed new cell is Cell 2 of Segment 3 (approximately 10.6 acres in size), which will be located immediately to the east of the existing Segment 3, Cell 1. The proposed partial closure of Segment 2 (approximately 25 acres in size) includes closure of the Segment 1/Infill vertical expansion area and the final elevations of Segment 2. Expansion of the landfill gas system within Segment 2 is proposed to be constructed concurrently with the partial closure of Segment 2 so that the final components can be installed prior to the closure cap being constructed. Staff has also requested an evaluation of an alternative cover design as well as preliminary planning for a new lift station.

This project will be completed in multiple phases. Phase I includes evaluation of available information and developing sufficient information to update/revise existing permit design drawings, and complete the final design and specifications that will be used for procurement. Subsequent phases will include preparation of the final design and bid package, permitting/regulatory agency support, bidding assistance, and engineering services during construction.

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

ANALYSIS:

CDM Smith has prepared IRC Landfill Work Order No. 1, 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 expected completion date and their estimated fees.

TASK	DESCRIPTION	DUE DATE	AMOUNT
Phase 1	Task 1 - Meetings, Data Collection, Survey, and Geotechnical Investigation Task 2 – Project Quality Management	October 2017	\$131,820
TOTAL (Lump Sum) =			\$131,820

The costs above are consistent with what SWDD has paid historically for these services.

FUNDING:

Funding for this work is budgeted and available in the Engineering Services account number (41121734-033130), which is funded from SWDD assessments and user fees.

DESCRIPTION	ACCOUNT NO.	AMOUNT
Engineering Services	41121734-033130	\$131,820

RECOMMENDATION:

SWDD staff recommends that the Board approve the following:

- a) Approve IRC Landfill Work Order No. 1 with CDM Smith Inc. in the amount of \$131,820 to provide engineering services related to Phase 1 of the Class I Landfill, Segment 3, Cell 2 expansion; partial closure of Segment 2; and expansion of the landfill gas collection system.
- b) Authorize the Chairman to execute the same, as presented.

ATTACHMENT:

- 1) IRC Landfill Work Order No. 1