

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

Date: October 8, 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

Subject: Work Order No. 45 to Kimley Horn and Associates for Landfill Automated Scale System

Descriptions and Conditions:

The Indian River County (IRC) Solid Waste Disposal District (SWDD) utilizes an in-bound and an out-bound scale system to track all incoming and outgoing materials at the IRC landfill. Deliveries include a combination of private (residential) drop-offs, commercial haulers (ex. construction and demolition debris and landscaping contractors), and municipal haulers that service the unincorporated County and municipalities. SWDD is proposing to add an automated, unmanned, in-bound bypass scale that would allow the municipal haulers and certain commercial haulers that have accounts set up with SWDD to automatically weigh-in, drop off, and then exit, with the net weight delivered calculated based on pre-recorded tare weight for that particular truck. This will improve service efficiency for SWDD customers and reduce cue-time for these account holders.

To facilitate this project, staff requested a proposal from Kimley-Horn and Associates, Inc. (KHA) to provide design, procurement, and construction services for the project.

Analysis:

Kimley-Horn and Associates, Inc. has prepared Work Order No. 45, per the Continuing Consulting Engineering Services Agreement for Professional Services, provided in Attachment 1, for engineering services detailing the scope of work, budget, and schedule for each of the tasks. The tasks are listed below showing the scope and their estimated fees. The project is estimated to take 11 months to completion.

<i>PHASE 1</i>	<i>DESCRIPTION</i>	<i>TOTAL AMOUNT</i>
Task 1	Preliminary Design	\$ 10,850
Task 2	Design	\$ 24,320
Task 3	Permitting	\$ 7,540
Task 4	Bidding	\$ 6,300
Task 5	Construction Phase Services	\$ 21,720
Task 6	Record Drawings	\$ 2,700
TOTAL =		\$ 73,430

The six phases outlined above provide a turnkey engineering project from design, permitting, procurement, to construction services. KHA will coordinate with SWDD staff and Mettler Toledo (current scale vendor) to select the appropriate automated scale for landfill application and utilize the same scale manufacturer for integration of instrumentation and controls. Staff is recommending that we continue to utilize Mettler Toledo as our sole source scale vendor for the new automated scale system to match the existing two (2) scale system and controls on-site. Including the engineering costs, the overall project includes the purchase and installation of the automated scale system, and the associated paving and drainage improvements, with a total budgetary estimate of \$600,000.

Funding:

Funding for the SWDD Landfill Automated Scale System project is budgeted and available in the Landfill Capital Account, number 411-166002, for a total amount of \$600,000, which is funded from SWDD assessments and user fees. The amount of \$73,430 for KHA Work Order 45 will be drawn from this account.

Description	Account Number	Amount
Other Equipment	411-166002	\$73,430

Recommendation:

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

- a) Authorize the use of Mettler Toledo as the sole-source vendor for the automated scales.
- b) Approve Work Order No. 45 with Kimley-Horn and Associates, Inc. for \$73,430 to provide engineering services related to the Landfill Automated Scale System.
- c) Authorize the Chairman to execute the same, as presented.

Attachment:

- 1. Work Order No. 45 – KHA