

CCNA2018 WORK ORDER 45

AUTOMATED SCALE SYSTEM

This Work Order Number 45 is entered into as of this ___ day of _____, 2021, pursuant to that certain Continuing Consulting Engineering Services Agreement for Professional Services entered into as of the 18th day of May, 2021 (the "Agreement"), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida ("COUNTY") and Kimley-Horn and Associates, Inc. ("Consultant").

The COUNTY has selected the Consultant to perform the professional services set forth on Exhibit A (Scope of Work), attached to this Work Order and made part hereof by this reference. The professional services will be performed by the Consultant for the fee schedule set forth in Exhibit B (Fee Schedule), attached to this Work Order and made a part hereof by this reference. The Consultant will perform the professional services within the timeframe more particularly set forth in Exhibit C (Time Schedule), attached to this Work Order and made a part hereof by this reference all in accordance with the terms and provisions set forth in the Agreement. Pursuant to paragraph 1.4 of the Agreement, nothing contained in any Work Order shall conflict with the terms of the Agreement and the terms of the Agreement shall be deemed to be incorporated in each individual Work Order as if fully set forth herein.

IN WITNESS WHEREOF, the parties hereto have executed this Work Order as of the date first written above.

CONSULTANT:
Kimley-Horn and Associates, Inc.

**BOARD OF COUNTY COMMISSIONERS
OF INDIAN RIVER COUNTY**

By: _____
Brian Good, P.E.

By: _____
Joseph E. Flescher, Chairman

Print Name: _____

Title: Senior Vice President

BCC Approved Date: _____

Attest: Jeffrey R. Smith, Clerk of Court and Comptroller

By: _____
Deputy Clerk

Approved: _____
Jason E. Brown, County Administrator

Approved as to form and legal sufficiency: _____
Dylan T. Reingold, County Attorney

WORK ORDER NUMBER 45
AUTOMATED SCALE SYSTEM

EXHIBIT A

SCOPE OF WORK

PROJECT UNDERSTANDING

Indian River County (County) solid waste disposal district (SWDD) operates a Class I municipal solid waste landfill, that utilizes a single entrance scale for monitoring and tracking incoming loads and tonnages of material delivered. Deliveries include a combination of private (residential) drop-offs, commercial haulers (ex. landscaping contractors) and municipal haulers that service the unincorporated County and municipalities. The County is proposing to add an automated, unmanned, inbound bypass scale that would allow the municipal haulers and commercial haulers that have accounts set up with SWDD to automatically weigh in, drop off and then exit, with the net weight delivered calculated off of pre-recorded tare weight for that particular truck.

Kimley-Horn (“Consultant”) will prepare construction documents and a bid package for the installation of a bypass scale (to match existing scale provider), approach and exit ramps, entry road modifications (paving, striping, signage), drainage modifications, new bypass lane and traffic control arm (relocate existing), railing as needed, configuration of unattended weigh terminal (electrical and integration of instrumentation/programming by others), and relocation of existing or addition of new weight display sign, as needed. The Consultant will also provide construction observation services as outlined in the following Scope of Services.

SCOPE OF SERVICES

Task 1: Preliminary Design Activities

This task will include a kickoff meeting with SWDD staff to discuss project objectives, scope, schedule and coordination of tasks not included in this Scope of Services (i.e. environmental and operational impacts).

Consultant will coordinate with Mettler Toledo (current scale vendor) to select/confirm the appropriate scale for this application, around which the design will be tailored. It is important to utilize the same scale manufacturer for integration with the current instrumentation and controls. The Consultant anticipates the use of a Mettler Toledo VTC251 concrete deck truck scale and unattended weigh terminal. Coordination for final selection will be completed prior to commencing the Task 2 Design services.

Preliminary design will also include the collection of applicable geotechnical (soil boring) and survey data to serve as the basis of design. The Consultant will subcontract with local

consultants who routinely perform work for the County on the SWDD property to perform these services.

Task 2: Design Services

The Consultant will prepare the design documents associated with the site/civil (paving, grading, drainage, signage), structural (foundation review (by others), railings, subgrade stabilization), electrical, instrumentation (limited to weight sign and conduit runs for automated terminal (equipment and integration by others)), demolition, tree relocations and site restoration. The anticipated sheet index for the plan set is anticipated as follows:

Cover/Index

G-1	Legends, Symbols and Abbreviations
G-2	General and Project Notes
G-3	Utility Notes and Specifications
G-4	Geotechnical Notes and Specifications
G-5	Boundary Survey
G-8	Key Plan
C-1	Existing Conditions
C-2	Proposed Site Plan
C-3	Erosion Control Plan
C-4	Stormwater PPP
C-5	Master Utility Plan
C-6	Site Geometry – Site Entrance
C-7	Site Geometry – Scales
C-8	Paving, Grading and Drainage Plan
C-9	Paving, Grading and Drainage Plan
C-10	Onsite Roadway Improvements
C-11	Onsite Roadway Improvements
CD-1	Erosion Control Details
CD-2	Miscellaneous Details
CD-3	Miscellaneous Details
CD-4	Utility Details
CD-5	Truck Scale Details
CD-6	Truck Scale Details
CD-7	Truck Scale Details
CD-8	Truck Scale Grading Plan
E-1	Electrical Symbols, Abbreviations and Notes
E-2	Electrical Site Plan (limited to relocated lighting, weight sign and bypass lane traffic control arm)
ED-1	Electrical Details
S-1	Structural Notes
S-2	Foundation Plan
S-3	Sections and Details

Subtask 2.1 – 30 Percent Design

The Consultant will prepare 30 percent plans detailing the entry reconfiguration, interface between the existing/proposed scales, traffic patterns and operational intentions, utility/drainage/lighting impacts, and general scale configuration based on the information provided by Mettler Toledo. The design will also consider the necessary, though infrequent, need to weigh oversized loads, which the current scale is not configured to accommodate. Two 11 x 17 hardcopy sets of review documents will be provided to the County along with an electronic (PDF format) copy. A review meeting will be conducted with SWDD staff to capture comments and concerns relative to the proposed 30 percent design to ensure the design is compatible with SWDD's intended operation of the bypass scale. Comments received will be documented and incorporated as appropriate for use in preparing the 60 percent design documents.

Subtask 2.2 – 60 Percent Design

The Consultant will prepare 60 percent plans and specifications to serve as the bid package for use by the County in soliciting competitive bids for construction of the project. The 60 percent design will incorporate comments received on the 30 percent design and will also include detailed design of civil (paving, grading, drainage, signage), structural (foundation review (by others), railings, subgrade stabilization), electrical, instrumentation (limited to weight sign and conduit runs for automated terminal (equipment and integration by others)), demolition, tree relocations and site restoration components. Environmental services related to surface water impacts, gopher tortoise relocation, etc. are not included in this scope of services. These services can be provided, if needed, under separate authorization or amendment to this Work Order. Two full size sets of plans and two hardcopy sets of draft specifications will be provided, along with an electronic copy (PDF format) for the County's review.

A design review meeting will be conducted with SWDD staff to discuss comments on the 60 percent design documents. Comments received will be documented and incorporated as appropriate for use in preparing the 90 percent design documents.

Subtask 2.3 – 90 Percent Design and Final Bid Package

The consultant will incorporate comments received during the 60 percent review and advance the plans and specifications to the 90 percent completion level. Two full size sets of plans and two hardcopy sets of draft specifications will be provided, along with an electronic copy (PDF format) for the County's review. An additional review meeting will be conducted with SWDD staff to discuss review comments and final modifications to be made to the bid package. The consultant will incorporate final comments and coordinate with procurement to prepare the final bid package for use in advertising the project. The Consultant will provide a final PDF of the bid documents to SWDD and procurement for use in soliciting bids.

Task 3: Permitting Services

It is anticipated that, due to the square footage of additional impervious surface associated with these modifications, that a major site plan approval will be required from

the County Planning Division. This task includes preparation of the required plan sets and supporting documentation for the application for major site plan approval, participation in the technical review committee (TRC) meeting, one round of revisions/resubmittal to address any TRC comments, and coordination of final approval. Additional revisions/iterations of the application will require an amendment for additional services.

The proposed project is not anticipated to require modification of the FDEP landfill operations permit, stormwater/ERP permits or new County stormwater permit. The selected contractor will be required to obtain County building permit(s). The Consultant will assist with response to any design-related questions received in the building permit process.

Task 4: Bidding Services

The Consultant will prepare for and participate in a pre-bid site visit meeting with prospective bidders. An attendee list will be prepared, and questions asked will be documented with written responses for procurement to distribute to plan holders. The Consultant will prepare up to two addenda to the bid, providing clarifications and additional information as needed. Consultant will coordinate with procurement on all bid-related matters.

The Consultant will then review bids received, verify references and prepare a recommendation of award to provide to SWDD. Upon award, the Consultant will complete the preparation of conformed documents.

Task 5: Construction Phase Services (Not-to-Exceed)

The Consultant will review shop drawings submitted by the Contractor and scale provider and will provide copies of all approved shop drawings to SWDD upon approval.

The Consultant will provide part-time observation of construction activities for the scope of the project. Consultant will not supervise, direct, or control Contractor's work, and will not have authority to stop the Work or responsibility for the means, methods, techniques, equipment choice and use, schedules, or procedures of construction selected by Contractor, for safety programs incident to Contractor's work, or for failure of Contractor to comply with laws. Consultant does not guarantee Contractor's performance and has no responsibility for Contractor's failure to perform in accordance with the Contract Documents.

The Consultant anticipates that the construction phase will span a duration of 4 months. During this time, the Consultant will provide an average of 4 hours per week of oversight for a 16-week duration, as well as 2 additional site visits by structural personnel, and will prepare bi-weekly summary reports in the form of an email to the appropriate County staff members. The Consultant will specifically be on site to observe any below-grade piping/components prior to backfilling, observe the concrete pours, witness scale

installation, observe testing and other key project milestones agreed upon with the County.

The Consultant will also prepare for and participate in monthly progress meetings with the contractor and SWDD staff (up to four). Meeting minutes will be prepared and distributed as needed.

The County will contract directly with the contractor to perform the work. The Consultant will review pay applications on behalf of the County and provide recommendation for payment or justification for rejection. The Consultant will participate in a substantial completion walkthrough at the appropriate point of construction and generate a punch list, if applicable, to be addressed by the contractor. The Consultant will then conduct a final walkthrough to observe that each punch list item has been satisfactorily completed.

It is anticipated that all training on new instrumentation and operations and maintenance manuals will be provided by the scale provider.

Task 6: Record Drawings

The Consultant will work with the contractor and surveyor (as-built survey to be in contractor's scope of work) to prepare the final record drawings for County records and for any required permit closeout activities.

EXHIBIT B

FEE SCHEDULE

The Consultant will provide these services in accordance with our Continuing Consulting Engineering Services Agreement for Professional Services dated May 18, 2021, by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida (“COUNTY”) and Kimley-Horn and Associates, Inc., (“Consultant”).

Kimley-Horn will perform Tasks 1 through 6 for the total lump sum fee as detailed below. Individual task amounts are informational purposes only. All permitting, application, and similar project fees will be paid directly by the County.

Task No.	Task	Task Fee
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 LUMP SUM FEE	\$ 73,430

Lump sum fees will be invoiced monthly based upon the overall percentage of services completed. Payment will be due per the contract terms.

ADDITIONAL SERVICES

The following services are not included in the Scope of Services for this project but may be required depending on circumstances that may arise during the execution of this project. Additional services may include, but not be limited to the following:

- Environmental Services (surface water impacts, gopher tortoise relocation, etc.)
- Instrumentation design, integration, testing or training
- Irrigation system relocation design (County to complete) for piping affected by the widening of the entry road

EXHIBIT C

TIME SCHEDULE

- Task 1 Deliverables: Kickoff Meeting – 1 week after Notice to Proceed (NTP)
Survey – 4 weeks after NTP
Geotechnical Report – 4 weeks after NTP
- Task 2 Deliverables: 30 Percent Design – 6 weeks after NTP
60 Percent Design – 4 weeks from receipt of County Comments
90 Percent Design – 4 weeks from receipt of County Comments
Final Bid Documents – 2 weeks from receipt of County Comments
- Task 3 Deliverables: PERMITS TBD
- Task 4 Deliverables: Advertise – 16 weeks from NTP
Open Bids – 4 weeks from Advertisement
Award of Contract – 4 weeks from Bid Opening
- Task 5 Duration: Approximately 4 Months
- Task 6 Deliverables: Record Drawings – 4 weeks from Completion of Construction