

CS. 17-155

CHANGE ORDER APPROVAL FORM

PROJECT: Leachate Storage Tank System

CHANGE ORDER NUMBER: 2

Repairs & Improvements

DATE: 01-23-18

CONTRACT NUMBER: CM2096-WA10

TO CONTRACTOR: S2L, Incorporated

Reason for Change Order: Prepare the design and technical bidding documents for use by the County in soliciting bids to repair the concrete joints within the leachate storage tanks; Assist the County in the review of bids and perform periodic observation during the construction report.

Original Contract Sum.....	\$	<u>23,064.21</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>4,409.12</u>
Contract Sum Prior to This Change Order.....	\$	<u>27,473.33</u>
Amount of This Change Order (Add/Deduct).....	\$	<u>15,353.39</u>
New Contract Sum Including this Change Order.....	\$	<u>42,826.72</u>

18 FEB - 1 PM 3:28

APPROVED BY: Rebecca My
Project Manager (Department Head)

DATE: 1/31/18

APPROVED BY: Charlotte Young
Contract Manager

DATE: 2/1/18

APPROVED BY: Justin Shivers
Director of Office of Management & Budget

DATE: 2/5/18

Call 2.5.18

APPROVED BY: [Signature]
County Manager

DATE: 2-15-18

ACCOUNT NO.: 01362534-563920 SWTNK ✓

Nassau County
Department of Contract Management

County
Contractor
Field
Other

CHANGE ORDER REQUEST

PROJECT: Leachate Storage Tank System Repairs & Improvements

CHANGE ORDER NUMBER: 2 DATE: 01-23-18

CONTRACT NUMBER: CM2096-WA10

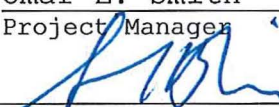
CONTRACTOR: S2L, Incorporated

The Contract is changed as follows: Additional Scope of Services to prepare the design and technical bidding documents for use by the County in soliciting bids to repair the concrete joints within the leachate storage tanks; Assist the county in the review of bids and perform periodic observation during the construction repair.

Original Contract Sum	\$	<u>23,064.21</u>
Net change by Previous Change Order	\$	<u>4,409.12</u>
Contract Sum Prior to This Change Order	\$	<u>27,473.33</u>
Amount of This Change Order (Add/Deduct)	\$	<u>15,353.39</u>
New Contract Sum, Including this Change Order	\$	<u>42,826.72</u>

This document, when signed by all parties, shall become an amendment to the Contract and all provisions of the Contract shall apply hereto.

RECOMMENDED BY: Omar E. Smith DATE: January 26, 2018
Project Manager

ACCEPTED BY:  DATE: January 26, 2018
Consultant - Samuel B. Levin, President

Approved by:  DATE: 2-15-18
Board of County Commissioners
Or their Designee

Change Order No. 2
Engineering Services – Concrete Joint Replacements
for the
Leachate Storage System Containment Area

West Nassau Class I Landfill

County Contract Number: CM2096-WA10-CO2

S2Li Project Number: 15-601

January 22, 2018

Nassau County would like to procure a new contractor to repair the tank pad joints in the leachate tank containment area, as well as other joints exhibiting leakage in the containment area.

This Work Authorization (WA) tasks S2L, Incorporated (S2Li) to prepare the design and technical bidding documents for use by the County in soliciting bids from interested contractors to repair the concrete joints within the leachate storage tanks containment area at the West Nassau Landfill. S2Li is also tasked to assist in the review of the bids, and to perform periodic observation during the construction repair. It is S2Li's understanding that the County is to obtain quotes from at least two (2) qualified contractors that specialize in concrete joint repairs and in the installation of joint sealant systems.

The scope of services for these tasks, compensation, and schedule are presented below:

SCOPE OF SERVICES

Task 1 – Design Phase Services

S2Li will provide engineering services to prepare a scope of work for the County's use in receiving quotes from qualified Contractors. Qualification requirements will be included in the procurement packages. Services to be provided by S2Li include:

- a. Development of a scope of services to define the work, including one (1) drawing with specifications.
- b. One conference call review meeting with the County to finalize the scope of services.
- c. Coordination with the material supplier to identify qualified contractors.

It is anticipated that Nassau County Purchasing representatives will provide any front-end bidding documents and be responsible for the bidding process.

Task 2 – Bidding Assistance Phase Services

S2Li will provide engineering services under this task to:

- a. Attend an onsite pre-bid meeting with the potential bidders.
- b. Respond to questions from contractors in the form of addenda to be supplied to the County Purchasing Department for issuance to the bidders.
- c. Identify any additional cracking/leaking areas of concern and include repair of these areas in the scope of work.

- d. Review bids and prepare a recommendation of award.

Task 3 – Construction Phase Services

S2Li will assist in the review of shop drawings, responding to design clarifications, conduct periodic site inspections, and preparing a completion certification, as described below:

- a. Review shop drawings and other data for conformance with the design concept and Contract Documents. The review of two (2) submittals is included in the budget for this task.
- b. When requested in writing, provide necessary interpretations and clarifications to address encountered field conditions during the repair work. To the extent possible, information will utilize 8½" x 11" sketches and written descriptions. The fee estimate is based on two (2) Requests for Information (RFIs).
- c. Conduct up to two (2) on-site inspections during the work, and maintain a deficiency list ("Punch List").
- d. Conduct a final on-site inspection and prepare a certification of completion letter once all punch list items have been corrected.

Task 4 – Additional Services (Previous Tank Modification Project)

The Contractor associated with the previous project did not use the specified materials or follow the manufacturer's installation recommendations. This task is for the additional services that were necessary to address the issues with the Contractor. Services included discussions/meetings with Nassau County, preparation of responses to the Contractor and coordination with the material supplier to delineate the construction/installation issues.

PROJECT SCHEDULE

It is anticipated that the design services described above will be performed over a one (1) month period and bidding/construction administration services will be provided over a three (3) to four (4) month period.

COMPENSATION

The cost estimate to conduct the Work as described in the above listed Scope of Services is **\$15,353.39**. A detailed breakdown for each task, in conjunction with the estimated labor hours and expenses, are included in the attached Exhibit 1 with S2Li subconsultant's information provided on Attachment 1 of Exhibit 1. Costs will be invoiced on a time and material basis. The County will be notified when the overall project budget is nearing its limit.

January 22, 2018

Total Project Costs
S2Li Fee Estimate

EXHIBIT 1
Change Order 2
Engineering Services - Pad Joint Replacements
Leachate Storage System Improvements
West Nassau Class I Landfill
Nassau County, Florida

S2Li No. 15-601
 County No. CM2096-WA10_C

LABOR		LABOR CATEGORY AND RATE							TOTAL HOURS	SUBTOTAL LABOR
		Project Dir./ Principal	Regional Manager/ QC Officer	Principal Engineer	Senior Engineer	Associate Engineer	CAD Technician	Office Manager		
TASK	DESCRIPTION	\$225.00	\$208.88	\$171.38	\$122.51	\$47.47	\$47.47	\$68.46		
1	Design Phase Services	1	4	0	0	0	0	2	7	\$1,197.44
2	Bidding Assistance Phase Services	0	4	0	0	0	0	0	4	\$835.52
3	Construction Phase Services	1	6	0	0	0	0	2	9	\$1,615.20
4	Additional Services (Previous Tank Mod. Project)	0	4	0	0	0	0	0	4	\$835.52
SUBTOTALS:		2	18	0	0	0	0	4	24	\$4,483.68

EXPENSES		Field Vehicle (\$90/day)	Lab Testing (est.)	Equipment Rental (est.)	Parts (est.)	PRW Group, LLC. (see Attachment 1)				SUBTOTAL EXPENSES
TASK	DESCRIPTION									
1	Design Phase Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$3,338.54			\$ 3,338.54
2	Bidding Assistance Phase Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$2,211.90			\$ 2,211.90
3	Construction Phase Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$4,385.61			\$ 4,385.61
4	Additional Services (Previous Tank Mod. Project)	\$ -	\$ -	\$ -	\$ -	\$ -	\$933.66			\$ 933.66
SUBTOTALS:		\$ -	\$ -	\$ -	\$ -	\$ -	\$10,869.71	\$0	\$0	\$ 10,869.71

COST SUMMARY				
TASK	DESCRIPTION	SUBTOTAL S2Li LABOR	SUBTOTAL EXPENSES including Subconsultants	TASK TOTAL
1	Design Phase Services	\$ 1,197.44	\$ 3,338.54	\$ 4,535.98
2	Bidding Assistance Phase Services	\$ 835.52	\$ 2,211.90	\$ 3,047.42
3	Construction Phase Services	\$ 1,615.20	\$ 4,385.61	\$ 6,000.81
4	Additional Services (Previous Tank Mod. Project)	\$ 835.52	\$ 933.66	\$ 1,769.18
TOTALS		\$ 4,483.68	\$ 10,869.71	\$ 15,353.39

January 22, 2018

**Engineering Services - Pad Joint Replacements
Leachate Storage System Improvements
West Nassau Class I Landfill
Nassau County, Florida**

S2Li No. 15-601
County No. CM2096-WA10_C

Attachment 1 - PRW Group, LLC. Fee Estimate - Subconsultant

LABOR		LABOR CATEGORY AND RATE							TOTAL HOURS	SUBTOTAL LABOR
		Sr. Project Manager \$133.38	CADD/ Technician 1 \$59.48					Admin. Assistance 1 \$38.07		
TASK	DESCRIPTION									
1	Design Phase Services	20	10					2	32	\$3,338.54
2	Bidding Assistance Phase Services	14	3					2	19	\$2,121.90
3	Construction Phase Services	30	0					3	33	\$4,115.61
4	Additional Services (Previous Tank Mod. Project)	7	0					0	7	\$933.66
	SUBTOTALS:	71	13					7	91	\$10,509.71

EXPENSES		Field Vehicle (\$90/day)	Lab Testing (est.)	Equipment Rental (est.)	Parts (est.)			Subcontractors (est.)			SUBTOTAL EXPENSES
TASK	DESCRIPTION										
1	Design Phase Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -
2	Bidding Assistance Phase Services	\$ 90	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ 90
3	Construction Phase Services	\$ 270	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ 270
4	Additional Services (Previous Tank Mod. Project)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -
	SUBTOTALS:	\$ 360	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ 360
TOTAL											\$10,869.71

PRW GROUP, LLC

PLANNING • DESIGN • UTILITIES • MANAGEMENT • LEACHATE • WASTEWATER • WATER • REUSE

January 11, 2018

Omar E. Smith, P.E.
S2L, Incorporated
531 Versailles Drive, Suite 202
Maitland, Florida 32751-7301

**RE: Proposal for Professional Engineering Services
West Nassau Landfill
Leachate Storage Tanks - Joint Replacements**

Dear Mr. Smith:

In accordance with your request, we have prepared a proposal to assist S2L, Incorporated (S2Li) on the referenced project. The proposal is based on information from our recent discussions and email correspondence. It is our understanding that Nassau County would like to procure a new contractor to repair the tank pad joints in the leachate tank containment area, as well as other joints exhibiting leakage in the containment area.

It is intended that the repair services will be procured by obtaining quotes from at least two qualified contractors that specialize in concrete joint repairs and the installation of joint sealant systems.

The scope of services, compensation and schedule are presented below.

SCOPE OF SERVICES

1. Design Services

- Prepare a scope of work for the contractor to receive quotes from qualified Contractors. Qualification requirements will be included in the procurement packages. Service will include:
- a. Development of a scope of services to define the work, including one (1) drawing with specifications.
 - b. One review meeting with the County to finalize the scope of services.
 - c. Coordination with the material supplier to identify qualified contractors.

It is anticipated that Nassau County Purchasing will provide any front end bidding documents and conduct bidding.

2. Bidding Services

- Services under this task include:
- a. Attend an onsite pre-bid meeting with the potential bidders.
 - b. Respond to questions from contractors in the form of addenda to be supplied to the County Purchasing Department for issuance to the bidders.
 - c. Identify any additional cracking/leaking areas of concern and include repair of these areas in the scope of work.
 - d. Review bids and prepare a recommendation of award.

3. Construction Phase Services

We will assist with review of shop drawings, responding to design clarifications, conduct periodic site inspections and preparing a completion certifications.

- a. Review shop drawings and other data for conformance with the design concept and Contract Documents. The review of two (2) submittals is included in this task.
 - b. When requested in writing, provide necessary interpretations and clarifications to address encountered field conditions during the repair work. To the extent possible, information will utilize 8½" x 11" sketches and written descriptions. The fee estimate is based on two (2) RFIs.
 - c. Conduct up to two (2) on-site inspections during the work, and maintain a deficiency list ("Punch List").
 - d. Conduct a final on-site inspection and prepare a certification of completion letter once all punch list items have been corrected.
4. Additional Services (Previous Tank Modification Project)
The Contractor associated with the previous project did not use the specified materials or follow the manufacturer's installation recommendations. This task is for the additional services that were necessary to address the issues with the Contractor. Services included discussions/meetings with the Nassau County, preparation of responses to the contractor and coordination with the material supplier to delineate the construction/installation issues.

PROJECT SCHEDULE

It is anticipated that the design services described above will be provided over a one (1) month period and bidding/construction administration services will be provided over a 3 to 4 month period.

COMPENSATION

Attachment A provides a detailed breakdown of hours and direct costs for each task. Total compensation for engineering services is estimated to be \$10,869.71 and will be billed on an hourly, not-to-exceed basis.

We appreciate the opportunity to assist S2L1 in providing professional engineering services to Nassau County for this project. If you have any questions, please contact me at (407) 721-6954.

Sincerely,



Richard D. Wilson, P.E.
Project Manager

Attachment A

PRW Group, LLC

Fee Estimate

West Nassau Landfill

Nassau County_Leachate Storage Tanks - Joint Replacements

Task	Task Name	Sr. Project Manager (P6)	CADD Technician 1 (T1)	Admin. Assistant I (A1)	Total Hours	Total Billing Cost (\$)
	Hourly Billing Rate	\$133.38	\$59.48	\$38.07	---	---
1.0	Design Services	20	10	2	32	\$ 3,338.54
2.0	Bidding Services	14	3	2	19	\$ 2,121.90
3.0	Construction Phase Services	30	0	3	33	\$ 4,115.61
4.0	Additional Services (Previous Tank Project)	7	0	0	7	\$ 933.66
	Total	71	13	7	91	\$ 10,509.71

Task	Task Name	Direct Labor	Expenses	Total
1	Design Services	\$ 3,338.54	\$ -	\$ 3,338.54
2	Bidding Services	\$ 2,121.90	\$ 90.00	\$ 2,211.90
3	Construction Phase Services	\$ 4,115.61	\$ 270.00	\$ 4,385.61
4	Additional Services (Previous Tank Project)	\$ 933.66	\$ -	\$ 933.66
	Subtotal	\$ 10,509.71	\$ 360.00	\$ 10,869.71
	Total			\$ 10,869.71

