

**WORK AUTHORIZATION # CM2685-WA01
 NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS
 CONTINUING CONTRACT FOR PROFESSIONAL ENGINEERING SERVICES SOLID
 WASTE LANDFILLS AND OTHER RELATED ANCILLARY FACILITIES FOR
 NASSAU COUNTY, FLORIDA
 RFQ/BID NO. NC19-001**

| | |
|-------------------------|------------------------|
| Consultant: | S2L, Incorporated |
| Contract Number: | CM2685 |
| Contact Name: | Omar Smith, P.E., V.P. |
| Contact Number: | 407-475-9163 |
| Email: | osmith@s2li.com |

| CURRENT WORK AUTHORIZATION | | | |
|--|-------------|---|-------------|
| Project Short Title: Preparation of the 2019 Solid Waste Financial Assurance Report (West Nassau Landfill – Closed Lined 42-Acre and 11-Acre Areas) | | | |
| | | CONTRACT OVERVIEW | |
| | | Total of Previous Authorizations | \$0 |
| Date Submitted | 04/29/19 | Adjustments/Change Orders | \$0 |
| Amount | \$10,909.75 | This Work Authorization | \$10,909.75 |
| Scheduled Completion | 09/01/2019 | Current Contract Total | \$10,909.75 |

This Work Authorization is to the CONTRACT between Nassau County and the Consultant known as the *Continuing Contract for Professional Engineering Services-Solid Waste Landfills and Other Related Ancillary Facilities for Nassau County, Florida*, dated April 22, 2019. The services to be provided under this Work Authorization are as follows:

ARTICLE 1. Services Described as:

S2Li will provide services for the inspection of the two (2) West Nassau Landfills, preparation of the annual cost estimate adjustments and preparation of the required financial assurance documentation for the closed solid waste disposal facilities to submit to Florida Department of Environmental Protection (FDEP), which are further described in Attachment “A”, attached hereto and incorporated herein. Services will be completed as tasks consisting of:

Task 1 – Facility Inspections

Task 2- Carry Over of Pro-Rated Expenses, FDEP Forms, Escrow Account Balance, and Report

ARTICLE 2. Time Schedule

Services will begin upon receipt of the fully executed Work Authorization. The S2Li Team will provide the County with a draft report for review in such a time that corrections and finalization can be made to allow for final submittal to FDEP by September 1, 2019.

ARTICLE 3. Budget

The cost estimate to perform the work as described in the Scope of Services is \$10,909.75. A detailed breakdown for each task is attached as Exhibit “1”. Costs will be invoiced on a time and materials basis.

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ARTICLE 4. Other Provisions

The Services covered by this Work Authorization will be performed in accordance with the provisions set forth in the CONTRACT referenced above and any of its attachments or schedules. Additional terms or contract provisions whether submitted purposely or inadvertently, shall have no force or effect. This Work Authorization will become a part of the referenced CONTRACT when executed by both parties.

In presenting this Work Authorization, Consultant agrees that:

Unless detailed herein, all drawings, data, electronic files and other information required for this Work Authorization has been accepted by Consultant. Specifically, all electronic files have been reviewed and accepted for the purposes of this Work assignment. Any additional information, including detailed Scope of Services are attached.

AGREED TO BY: S2L, INCORPORATED

BY: [Signature]
Print Name: Samuel B. Levin
Title: President
Date: May 17, 2019

RECOMMENDED AND APPROVED BY NASSAU COUNTY:

Public Works: [Signature]
Department Head or Designee

Contract Management: [Signature]
Grayson Hagins

County Attorney: [Signature]
Michael S. Mullin

Office of Management & Budget: [Signature]
Megan Diehl

County Manager: [Signature]
Michael S. Mullin

APPROVED by the ^{Designee for the} BOARD OF COUNTY COMMISSIONERS, the 10th day of June, 2019.

ACCOUNT NO.: 01362534-531000 - \$8,400.51 (77%) ✓
01361534-531000 - \$2,509.24 (23%) ✓

Attachment "A"
Scope of Services

**Preparation
of the
2019 Solid Waste Financial Assurance Report
West Nassau Landfill - Closed Lined 42-Acre and 11-Acre Areas**

**Nassau County
S2L, Inc.'s Contract and Work Authorization Number: CM2685-WA01
S2LI Project Number: 19-832**

Every year, Nassau County (County) is required to update and submit to the Florida Department of Environmental Protection (FDEP or Department) an adjustment for the cost to maintain long-term care of its closed solid waste disposal facilities. This Work Authorization (WA) allows S2LI to prepare the annual financial assurance documentation for the two County landfill facilities (42-acre lined area and 11-acre area) at the West Nassau Landfill, for submittal to FDEP by September 1, 2019.

As of February 2017, the Bryceville Landfill is no longer under regulatory long-term care and the County is no longer required to maintain financial assurance for this facility. The County is conducting custodial care for the Bryceville Landfill. As for the Lofton Creek Landfill, it remains under regulatory long-term care, however, as of August 12, 2017, the County is no longer required to maintain financial assurance for this facility.

These updates are to reflect the requirements of Rule 62-701.630(4)(a), Florida Administrative Code (F.A.C.), which is the Financial Assurance section under the State Solid Waste Regulations. As specified in this rule, updated long-term care cost estimates are required to be submitted to the FDEP between July 1 and September 1 of each year.

S2L, Incorporated (S2LI) is pleased to submit this cost proposal for providing professional services to inspect the two West Nassau Landfills, prepare the annual cost estimate adjustments, and prepare the required financial assurance documentation for the closed solid waste disposal facilities to submit to FDEP. The following sections of this cost proposal include the scope of services to be provided, an estimated schedule, cost estimate, and terms and conditions.

SCOPE OF SERVICES

Using the FDEP-provided inflation factor, S2LI will perform an inflationary adjustment for post-closure care for the two West Nassau Landfills rather than preparing new long-term care cost estimates. This approach assumes that during S2LI's annual inspections, no issues are found that will significantly affect the approved long-term care costs. An inflationary adjustment would be inappropriate should site inspection uncover necessary repairs that were not included within the prior estimates.

County Responsibilities:

- 1) County personnel are to accompany S2Li staff in order to provide access to each of the landfill sites, as well as, for safety purposes during the site inspections;
- 2) County staff will conduct and document required inspections and perform all reporting requirements for landfill post-closure care, as specified within the FDEP permits. The sole purpose of S2Li's inspections under this scope of services is for use in financial assurance reporting, and is not intended to serve as a substitute for County inspection and reporting as required by FDEP landfill permit specific conditions; and
- 3) County staff will provide the third party audited balances of the landfill escrow accounts for the period ending September 30, 2018.

The following details the scope for each task, as proposed:

Task 1: Facility Inspections

Facility inspections will be conducted so that the conditions of the two West Nassau Landfills can be documented by a third-party engineer, as required by FDEP. S2Li will prepare for and visit each landfill with a representative of the County and complete the landfill inspection forms for the County's use. The inspection forms will note any deficiencies that require correction by the County. Note: Only the two West Nassau Landfills will be inspected as part of this task.

Task 2: Carry Over of Pro-Rated Expenses, FDEP Forms, Escrow Account Balance, and Report

2.1 Carry Over of Pro-Rated Expenses and Fiscal Year FY2020 Budget Estimates:

Some expenses prepared in the previous long-term care estimates were prorated and are required to be carried over and accumulated until needed or implemented. S2Li will prepare and adjust these carry over expenses, as part of this scope of services, by an inflation factor such that sufficient funds will be accumulated and will be available. A summary of the prorated costs required to be added to this year's long-term care estimates will be provided and can assist the County in its preparation of landfill operating budget estimates for FY2020.

2.2 FDEP Forms, Escrow County Balance Calculations and Report:

FDEP Form 62-701.900(28) will be completed for each facility. An estimate will be made of the amount of the required escrow balance as of September 30, 2019, and the amount required (if any) to be deposited into the escrow accounts. In addition, an estimate for long-term liability over the term of the long-term care period for each facility will be prepared based upon third-party costs. No calculations or documentation for meeting GASB18 requirements are included in this scope of services. A draft report will be prepared that details the work performed, the rationale behind the calculations, and the cost approach. The report will then be submitted to the County for review. Upon receipt of comments from the County, the report will be revised as necessary, signed and sealed by a registered Professional Engineer, and submitted to FDEP and the County.

SCHEDULE

Work under the Scope of Services provided above will begin upon receipt of the signed Work Authorization. The draft report for County review will be submitted such that corrections and finalization can be made to allow for final submittal to FDEP by September 1, 2019.

ENGINEERING SERVICES FEE ESTIMATE

The fee estimate to conduct the Work as described in the above-listed Scope of Services is **\$10,909.75**. A detailed breakdown for each task, in conjunction with the estimated labor hours and expenses, are included in the attached Exhibit 1. Costs will be on a time and material basis. The County will be notified when the overall project budget is nearing its limit.

The proposed budget by landfill is broken down as follows:

| S2LI Budget Summary Nassau County LF Financials - 2019 | | | | | | |
|--|--|--|--|--------------------|---------------------------|---------------------------|
| | | | | Total \$ | West Nassau - 42 Acres | West Nassau - 11 Acres |
| Task 1 | Facility Inspections | | | \$ 2,395.21 | \$ 1,844.31 | \$ 550.90 |
| Task 2.1 | Carry Over Expenses & FY18/19 Budget Estimates | | | \$ 2,568.54 | \$ 1,977.78 | \$ 590.76 |
| Task 2.2 | FDEP Forms, Escrow Balance & Report | | | \$ 5,946.00 | \$ 4,578.42 | \$ 1,367.58 |
| | | | | \$10,909.75 | \$ 8,400.51 | \$ 2,509.24 |

If it is determined that a new landfill long-term care cost estimate is needed to be prepared because of a change in unit costs and/or because new cost items are warranted, the preparation of the new estimate will be provided as an additional service. S2LI will notify the County if a new estimate is required to be prepared and will only proceed once a notice to proceed is provided by the County.

April 29, 2019

EXHIBIT 1

S2Li No. 19-832
 County No. CM2685-WA01

Total Project Costs
 S2Li Fee Estimate

Preparation of the
 2019 Landfill Financial Assurance Report

Nassau County, Florida

| LABOR | | LABOR CATEGORY AND RATE | | | | | | | | TOTAL HOURS | SUBTOTAL LABOR |
|------------|---|-------------------------|------------------------------|--------------------|-----------------|------------------|-------------------------|------------------|----------------|-------------|----------------|
| | | Project Dir./ Principal | Regional Manager/ QC Officer | Principal Engineer | Senior Engineer | Project Engineer | Associate Engineer/CADD | Field Technician | Office Manager | | |
| TASK | DESCRIPTION | \$250.00 | \$232.25 | \$190.26 | \$137.09 | \$97.92 | \$74.21 | \$52.38 | \$76.24 | | |
| 1 | Facility Inspections | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 4 | 13 | \$2,395.21 |
| 2.1 | Carry Over of Pro-Rated Expenses & Budget Estimates | 0 | 6 | 0 | 0 | 12 | 0 | 0 | 0 | 18 | \$2,568.54 |
| 2.2 | FDEP Forms, Escrow Balance and Report | 3 | 16 | 0 | 0 | 12 | 0 | 0 | 4 | 35 | \$5,946.00 |
| SUBTOTALS: | | 3 | 31 | 0 | 0 | 24 | 0 | 0 | 8 | 66 | \$10,909.75 |

| EXPENSES | | Field Vehicle (\$100/day) | Lab Testing (est.) | Equipment Rental (est.) | Parts (est.) | | | | | | SUBTOTAL EXPENSES |
|------------|---|---------------------------|--------------------|-------------------------|--------------|--|------|--------|-----|-----|-------------------|
| TASK | DESCRIPTION | | | | | | | | | | |
| 1 | Facility Inspections | \$ - | \$ - | \$ - | | | \$ - | \$0.00 | | | \$ - |
| 2.1 | Carry Over of Pro-Rated Expenses & Budget Estimates | \$ - | \$ - | \$ - | | | \$ - | \$0.00 | | | \$ - |
| 2.2 | FDEP Forms, Escrow Balance and Report | | | | | | | | | | |
| SUBTOTALS: | | \$ - | \$ - | \$ - | \$ - | | \$ - | \$0.00 | \$0 | \$0 | \$ - |

| COST SUMMARY | | | | |
|--------------|---|---------------------|--|--------------|
| TASK | DESCRIPTION | SUBTOTAL S2LI LABOR | SUBTOTAL EXPENSES including Subconsultants | TASK TOTAL |
| 1 | Facility Inspections | \$ 2,395.21 | \$ - | \$ 2,395.21 |
| 2.1 | Carry Over of Pro-Rated Expenses & Budget Estimates | \$ 2,568.54 | \$ - | \$ 2,568.54 |
| 2.2 | FDEP Forms, Escrow Balance and Report | \$ 5,946.00 | \$ - | \$ 5,946.00 |
| TOTALS | | \$ 4,963.75 | \$ - | \$ 10,909.75 |



Attachment B

**Proposed Loaded Billing Rates for 2019/2020 for
Services Provided by S2Li on Behalf of Nassau County**

| Contract Position | Hourly Rates |
|--------------------------------------|---------------------|
| Project Director/Principal-In-Charge | \$250.00 |
| Regional Manager/QC Officer | \$232.25 |
| Principal Engineer | \$190.26 |
| Senior Engineer | \$137.09 |
| Project Engineer | \$ 97.92 |
| Associate Engineer/CADD | \$ 74.21 |
| Field Technician | \$ 52.38 |
| Office Manager | \$ 76.24 |

1. Billing rate based on applying a 10% profit to S2Li's breakeven multiplier. Project Director was capped at \$250.00 per hour.
2. Rates include typical expenses such as reproduction, travel costs (except for field vehicle), lodging, and printing. Any other extraordinary direct expenses shall be negotiated on a case by case basis and will be identified in the Work proposal.
3. Subconsultant costs and parts purchased on the County's behalf will be billed as pass-through costs with no profit or markup added by S2Li in addition to actual costs.
4. Field vehicle (truck) will be billed at \$100/day.

FY 2018-2019 BUDGET REQUEST

Operating Expenditures Detail

WN-Phase II New PC & Closure
01382634

| VENDOR NAME | Object | DESCRIPTION & CALCULATION | Itemized Cost | Object Class Total Cost |
|--|---------------|--|---------------|-------------------------|
| Professional Services | 631xxx | | | 561,768.00 |
| RS&H | 631000 | RS&H Groundwater Monitoring CTR CM2392 | 15,682.00 | |
| S2I | 631325 | LFG O&M of Flare and gas system 23% in 70381534 and 77% in 70382634 | 139,370.00 | |
| S2I | 631000 | CTR CM2098 | | |
| S2I | 631000 | Annual Financial Assurance Rpt CTR CM2098 | 8,000.00 | |
| S2I | 631000 | Gradient Well Monitoring and Reporting | 20,020.00 | |
| S2I | 631000 | General Engineering Services Non-CIP Related | 30,000.00 | |
| S2I | 631000 | Title V Permit Renewal | 13,660.00 | |
| Amelia Urgent Care | 631036 | Drug Testing | 25.00 | |
| Water Recovery | 631313 | Leachate removal Water Recovery CM2245 | 234,000.00 | |
| Water Recovery | 1313-CSCS | DEP Grant Funding Anticipated to be same as FY18/19 | 90,909.00 | |
| Contractual Services | 634xxx | | | |
| Travel & Per Diem | 640xxx | (see itemized worksheet tab) | | |
| Communications & Freight | 641xxx | | | 602.40 |
| AT&T | 641000 | AT&T 753-1340 E.Diden \$50/mo*12 | 600.00 | |
| Verizon | 641000 | GPS communication fees for closure vehicle 12*\$0.20 | 2.40 | |
| Postage | 642xxx | | | 200.00 |
| | 642000 | Various Mailings | 200.00 | |
| Utility Services (Electric, Water/Sewer, Garbage, etc.) | 643xxx | | | 14,520.00 |
| FPL | 643000 | Flare Meter #8N92353 75% of inv 25% charged to 01381534 | 9,000.00 | |
| FPL | 643000 | avg bill of \$1000/mo*12*75% mtr/KN37910 | | |
| FPL | 643000 | NS leachate tanks mtr/KN37907 avg bill \$200*12 | 2,400.00 | |
| FPL | 643000 | WS Pumping station mtr/AC64801 avg bill \$80*12 | 960.00 | |
| FPL | 643000 | ES Pumping station mtr/AC64902 avg bill \$100*12 | 1,200.00 | |
| FPL | 643000 | Mainl shop at LF mtr/AC64904 avg bill \$80*12 | 960.00 | |
| Rentals & Leases | 644xxx | | | 2,980.38 |
| Alrgas | 644000 | Rental & lease of oxygen, acetylen tanks | 815.00 | |
| To be Determined | 644000 | Rental of various closure equipment as needed budgeted in 01381534, 01382634, 01384534 | 2,000.00 | |
| Synovia | 644000 | GPS rental for closure vehicle 12*\$13.78 | 165.38 | |
| | | Synovia CM2408-A1 Unit SWD229 | | |
| Insurance | 646xxx | | | 3,475.00 |
| | 646000 | Insurance on equipment | 3,475.00 | |

-8400.51 = -400.51

