

**Golder Associates Inc.**

9428 Baymeadows Road, Suite 400  
Jacksonville, FL USA 32256-7979  
Telephone (904) 363-3430  
Fax (904) 363-3445



**VIA EMAIL ONLY**

August 30, 2006

993-3928.71

West Nassau Landfill  
46026 Landfill Road  
Callahan, Florida 32011

Attention: Mr. Lee Pickett, Interim Solid Waste Director

**RE: COST PROPOSAL FOR PERIMETER SURFACE WATER CONVEYANCE  
CHANNEL INVESTIGATION  
WEST NASSAU LANDFILL  
NASSAU COUNTY, FLORIDA**

Dear Mr. Pickett:

Golder Associates Inc. (Golder) is pleased to provide the Solid Waste Department and the Nassau County Board of County Commissioners (Board) this cost proposal to perform an investigation regarding the perimeter surface water conveyance channel for the West Nassau Landfill in Nassau County, Florida. The intent of the investigation is to determine if, and if so where, the channel may be allowing significant infiltration of surface water between the slurry wall and the landfill. This determination will dictate whether there is a need for lining all or a portion of the channel by the contractor that will install the LFG Expansion and Partial Closure project. The goal of lining the channel in areas of higher permeability material is to reduce the amount of leachate disposed by the facility. This proposal provides the scope of services, schedule, cost estimate, and terms and conditions for conducting this work.

**SCOPE OF SERVICES**

Task 1 – Field Investigation and Laboratory Testing

Golder will perform an investigation of the perimeter surface water conveyance channel by hand augering at approximately 500-foot spacings along the approximate center of the channel, if possible. Hand auger borings will be extended approximately four feet below the channel bottom and visually logging the soils encountered. Select samples of the soils may be sent to our geotechnical laboratory for testing to estimate the potential for infiltration. Testing performed may include sieve (particle size), soil classification, and permeability (remolded).

Task 2 – Data Review and Recommendations

Upon completion of the geotechnical laboratory testing, Golder will review the data and provide recommendations for lining of the channel in a written report. The report will include drawings delineating portions of the channel recommended to be lined (if applicable). The report will also include copies of the field data and the laboratory testing results.

**SCHEDULE**

Golder anticipates conducting the field investigation within approximately one week of receipt of approval of this task order from the Board. Once the geotechnical laboratory results are received, Golder will provide its report to the County within one week. The investigation is required to be completed so that the contractor (anticipated to be contracted by October) has sufficient time to secure a source of the lining material, conduct the required testing, and obtain submittal approval.

**COST ESTIMATE**

Golder's cost estimate to complete the work as described in the above scope of services is \$4,982.00. A detailed breakdown of the costs for each task and the labor and expenses estimated are included in the attached Table 1. We propose to perform this work on a cost reimbursable not-to-exceed basis in accordance with labor and unit rates shown on the attached table. The Board will only be billed actual hours and expenses incurred on the project for work within the agreed scope of services. Direct expenses will be marked-up 10 percent for administrative purposes. Photocopies, computer and AutoCAD time will be billed at agreed upon unit rates. Travel and communications costs (except for specific field activities) will not be billed to Nassau County as stated in our August 1998 proposal. The cost estimate will not be exceeded without prior authorization from the Board.

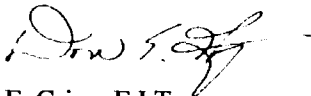
**TERMS AND CONDITIONS**

This work will be performed under the Agreement for Consulting Services between Golder and the County, dated February 22, 1999.

Golder appreciates this opportunity to provide continuing services to Nassau County. If you have any questions regarding this cost proposal, please do not hesitate to call.

Sincerely,

**GOLDER ASSOCIATES INC.**



Don E. Grigg, E.I.T.  
Project Engineer



Wendy D. Karably  
Senior Consultant/Associate

cc: Mike Mahaney - County Administrator

TABLE I

Cost Estimate  
 Perimeter Surface Water Conveyance Channel Investigation  
 West Nassau Landfill  
 Callahan, Nassau County, Florida

LABOR		LABOR CATEGORY AND RATE										TOTAL HOURS	SUBTOTAL LABOR
		Principal/ Sr. Consult	Associate	Senior Proj. Mgr.	Senior Engineer	Project Engineer	Staff Engineer II	Engineer I	Drafting	Staff Technician	Admin		
TASK	DESCRIPTION	\$170	\$150	\$135	\$110	\$95	\$85	\$75	\$75	\$65	\$62		
1000	Site Visit / Channel Investigation	0	2	0	0	4	0	0	0	10	2	18	\$1,454
2000	Written Report / Recommendations	0	2	0	0	12	0	0	4	4	4	26	\$2,248
<b>TOTALS:</b>		<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>14</b>	<b>6</b>	<b>44</b>	<b>\$3,702</b>

EXPENSES		Field Vehicle (day)	Per Diem (day)	Commu- nications (est.)	Mileage (mile)	Shipping/ Postage (est.)	Field Equipment (est.)	Office Computer (hr)	AutoCAD Computer (hr)	Photo- copying (each)	Drawing Reproduction (est.)	Laboratory Testing (est.)	SUBTOTAL EXPENSES
TASK	DESCRIPTION	\$75	\$25		\$0.45			\$10	\$20	\$0.15			
1000	Site Visit / Channel Investigation	1	0	\$10	100	\$100	\$50	0	0	0	\$0	\$700	\$980
2000	Written Report / Recommendations	0	0	\$0	0	\$50	\$0	4	4	200	\$100	\$0	\$300
<b>TOTALS:</b>		<b>\$75</b>	<b>\$0</b>	<b>\$10</b>	<b>\$45</b>	<b>\$150</b>	<b>\$50</b>	<b>\$40</b>	<b>\$80</b>	<b>\$30</b>	<b>\$100</b>	<b>\$700</b>	<b>\$1,280</b>

COST SUMMARY				
TASK	DESCRIPTION	SUBTOTAL LABOR	SUBTOTAL EXPENSES	TASK TOTAL
1000	Site Visit / Channel Investigation	\$1,454	\$980	\$2,434
2000	Written Report / Recommendations	\$2,248	\$300	\$2,548
<b>TOTALS</b>		<b>\$3,702</b>	<b>\$1,280</b>	<b>\$4,982</b>

**Becky Diden**

---

**From:** Karably, Wendy [Wendy\_Karably@golder.com]  
**Sent:** Wednesday, August 30, 2006 3:35 PM  
**To:** Lee Pickett; Becky Diden  
**Cc:** Cathy Lewis; Grigg, Don  
**Subject:** Golder Cost Proposal - Ditch Investigation

Lee/Becky

Attached is the cost proposal for performing an investigation of the perimeter ditch at the landfill to determine the need for a base liner. This is the second of the cost proposals I referred to earlier today. Please let me know if you have any questions on the attached.

Thanks,

Wendy

# Budget Transfer Request

Requesting Dept: SOLID WASTE Fund: Operations Transfer # \_\_\_\_\_

Requested By: *[Signature]* Date: 8/30/2006

Purpose: Golder Project 993-3928.71 "Cost Proposal for Perimeter Surface Water Conveyance Channel Investigation". Task 1000 Site Visit/Channel Investigation \$2,434 and Task 2000 Written Report/Recommendation \$2,548. Total amount \$4,982.

	Acct. Number	Acct. Description	Amount	Available Budget	Fin. Serv. Use Only Verified Available
Transfer:					
From:	<u>70341534-531000</u>	<u>Professional Srvc</u>	<u>\$ (4,982)</u>	<u>\$ 82,902.13</u>	
To:	<u>70341534-531302</u>	<u>"PS-Golder"</u>	<u>\$ 4,982</u>	<u>\$ 66,318.54</u>	

Approved By: BOCC: *[Signature]* Clerk of Courts: *[Signature]*  
 Date: 9/13/06 Date: \_\_\_\_\_

Financial Services Use Only

Action Completed: \_\_\_\_\_ Signature/Date: \_\_\_\_\_

08/30/2006  
07:20 CLL

BOARD OF COMMISSIONERS  
YEAR-TO-DATE BUDGET REPORT

PG 1  
glytdbud

FOR 2006 99

	ORIGINAL APPROP	TRANFRS/ ADJUSTMENTS	REVISED BUDGET	YTD EXPENDED	ENC/REQ	AVAILABLE BUDGET	PCT USED
470 SOLID WASTE MGMT FUND							
70341534 LANDFILL OPERATIONS							
70341534 512000 REGULAR SALARIES AND WAGES	441,586	0	441,586	388,662.63	.00	52,923.37	88.0%
70341534 514000 OVERTIME	22,100	105,878	127,978	112,419.40	.00	15,558.60	87.8%
70341534 521010 FICA TAXES	28,749	6,564	35,313	30,275.60	.00	5,037.40	85.7%
70341534 521020 MEDICARE TAXES	6,724	1,535	8,259	7,080.64	.00	1,178.36	85.7%
70341534 522000 RETIREMENT	38,672	8,157	46,829	40,741.99	.00	6,087.01	87.0%
70341534 523010 LIFE & HEALTH INSURANCE	72,890	0	72,890	63,388.65	.00	9,501.35	87.0%
70341534 523020 RETIREE HEALTH INSURANCE	4,945	0	4,945	3,191.28	.00	1,753.72	64.5%
70341534 524010 WORKERS' COMPENSATION	42,316	8,679	50,995	33,104.00	.00	17,891.00	64.9%
70341534 525000 UNEMPLOYMENT COMPENSATION	0	7,150	7,150	7,150.00	.00	0.00	100.0%
70341534 531000 PROFESSIONAL SERVICES	300,000	-152,601	147,399	771.87	5,895.00	140,712.13	92,902.13*
70341534 531031 EMPLOYEE PHYSICALS	130	0	130	.00	.00	130.00	.0%
70341534 531035 DRUG TESTING	1,350	-24	1,326	234.00	.00	1,092.00	17.6%
70341534 531302 PROF SERVICES-GOLDER	102,000	-3,240	98,760	42,441.46	.00	56,318.54	43.0%*
70341534 531311 PROF SERVICES-WEST NASSAU	53,000	1,703	54,703	39,135.00	15,568.00	.00	100.0%*
70341534 531313 PROF SERVICES-LEECHATE-WN	295,000	342,885	637,885	449,802.95	187,176.40	905.65	99.9%
70341534 531318 PS-GOLDER .65 U-TRAP/PLARE	0	11,200	11,200	.00	.00	11,200.00	.0%
70341534 531319 PS-GOLDER .66 LFGTE	0	57,886	57,886	9,215.47	.00	48,670.53	15.9%
70341534 531324 PS-GOLDER-CAR	5,000	2,995	7,995	.00	.00	7,995.00	.0%
70341534 531325 PS-GOLDER-OWM LFG 3928.41	11,000	24,425	35,425	4,203.64	.00	31,221.36	11.9%
70341534 531326 PS-GOLDER 3928.42	2,000	-2,000	0	.00	.00	.00	.0%
70341534 531327 GOLDER 3928.49 TASK 1000/9	26,000	-26,000	0	.00	.00	.00	.0%
70341534 531329 GOLDER 3928.49 TASK 2000	0	423	423	422.50	.00	.50	99.9%
70341534 531335 PS GOLDER 3928.64 PCAP	0	12,740	12,740	7,147.85	.00	5,592.15	56.1%
70341534 531395 GOLDER .51-EXPERT WITNESS	0	23,782	23,782	20,876.09	.00	2,905.91	87.8%
70341534 531416 GOLDER .63 ODER CONTROL	0	43,000	43,000	3,516.00	.00	39,484.00	8.2%
70341534 531450 PS-OPERATIONAL & FIN ANALY	50,000	+0	50,000	216.00	.00	49,784.00	.4%
70341534 532020 PROF SERVICES-ANNUAL AUDIT	8,000	0	8,000	.00	.00	8,000.00	.0%
70341534 534000 OTHER CONTRACTUAL SERVICES	2,600	0	2,600	1,089.87	242.01	1,258.12	51.2%
70341534 534103 CONTRACT SERVICE-CLEANING	2,860	0	2,860	2,860.00	.00	.00	100.0%
70341534 540000 TRAVEL & PER DIEM	886	0	886	.00	.00	886.00	.0%
70341534 541000 COMMUNICATIONS/FREIGHT	7,800	0	7,800	6,557.05	.00	1,242.95	84.1%
70341534 541020 POSTAGE	1,600	0	1,600	747.95	.00	852.05	46.7%
70341534 541021 POSTAGE-SP ASSESS	17,700	-9,700	8,000	7,085.83	.00	914.17	88.6%
70341534 541040 COMMUNICATIONS-COMPUTER	5,500	0	5,500	4,665.10	.00	834.90	84.8%
70341534 543000 UTILITY SERVICES	26,000	0	26,000	20,220.79	.00	5,779.21	77.8%
70341534 544000 RENTALS/LEASES	367,332	33,668	401,000	326,522.02	68,889.03	5,588.95	98.6%
70341534 545000 INSURANCE	55,949	1,073	57,022	57,021.70	.00	.30	100.0%

File TO: ~~70341534 531311 PROF SERVICES-WEST NASSAU~~ ~~70341534 531313 PROF SERVICES-LEECHATE-WN~~ ~~70341534 531318 PS-GOLDER .65 U-TRAP/PLARE~~ ~~70341534 531319 PS-GOLDER .66 LFGTE~~ ~~70341534 531324 PS-GOLDER-CAR~~ ~~70341534 531325 PS-GOLDER-OWM LFG 3928.41~~ ~~70341534 531326 PS-GOLDER 3928.42~~ ~~70341534 531327 GOLDER 3928.49 TASK 1000/9~~ ~~70341534 531329 GOLDER 3928.49 TASK 2000~~ ~~70341534 531335 PS GOLDER 3928.64 PCAP~~ ~~70341534 531395 GOLDER .51-EXPERT WITNESS~~ ~~70341534 531416 GOLDER .63 ODER CONTROL~~

8/30 BT for \$10,000 .59 Golder proj \$92,902.13  
from 70341534-531000 -10,000.00  
\* \$82,902.13  
TO: 70341534-531302 - 56,318.34  
"ps Golder + 10,000.00  
\$66,318.54