

Office of School Facilities
Jaime G. Torrens, Chief Facilities Officer

SUBJECT: AUTHORIZATION TO EXERCISE THE THIRD-YEAR OPTION OF THE AGREEMENTS WITH MACTEC ENGINEERING AND CONSULTING, INC.; NODARSE & ASSOCIATES, INC.; NUTTING ENGINEERING OF FLORIDA, INC.; AND PROFESSIONAL SERVICE INDUSTRIES, INC., TO PROVIDE GEOTECHNICAL/CONSTRUCTION MATERIALS TESTING AND ENVIRONMENTAL ASSESSMENT SERVICES

COMMITTEE: FACILITIES AND CONSTRUCTION REFORM

LINK TO STRATEGIC FRAMEWORK: FINANCIAL EFFICIENCY/STABILITY

Background

On July 15, 2008, the Board commissioned the following firms to provide Geotechnical/Construction Materials Testing and Environmental Assessment Services:

- Bureau Veritas North America, Inc. (BVNA)
- MACTEC Engineering and Consulting, Inc. (MACTEC)
- Nodarse & Associates, Inc. (Nodarse)
- Nutting Engineers of Florida, Inc. (Nutting)
- Professional Service Industries, Inc. (PSI)

Each of the Agreements provides for a four (4) year term from July 15, 2008 through July 14, 2012, with the second, third and fourth years at the option of the Board.

The third-year option with the firm of Bureau Veritas North America, Inc. (BVNA) will not be considered at this time pending clarification of the sale of their Geotechnical /Construction Material Testing Services, new corporate structure and their capability to fully comply with the requirements of the contract.

Reduction of Fees

In keeping with the goal of reducing costs to the District, staff requested, and all firms agreed, to a 10% reduction on all fees for this option year. Refer to Revised Fee Schedules A and B (Attachment). For ease of reference, the Attachment includes both the original and reduced fees for the third-year option.

Re-negotiation of the fees with MACTEC, Nordarse, Nutting and PSI would become effective upon the Board's authorization to exercise the third-year. All other terms and conditions of the original Agreement remain unchanged.

Additional Information

The total value of work orders issued to date for the second-year under the current agreements are \$255,140 for MACTEC; \$9,800 for Nodarse; \$268,789 for Nutting; and \$49,968 for PSI.

The most recent overall performance evaluation score issued by staff to the firms was for the quarter ending September 30, 2009. Based on a performance scale of 1-5 (low-to-high), the firms received the following scores:

- MACTEC 3.89
- Nodarse 4.79
- Nutting 4.03
- PSI 3.93

Based on the above information, staff recommends authorization to exercise the third - year option of the Agreements with MACTEC, Nodarse, Nutting and PSI.

RECOMMENDED: That The School Board of Miami-Dade County, Florida, authorize the Superintendent or his designee to exercise the third-year option of the Agreements with MACTEC Engineering and Consulting, Inc.; Nodarse & Associates, Inc.; Nutting Engineering of Florida, Inc.; and Professional Service Industries, Inc. to provide Geotechnical / Construction Materials Testing and Environmental Assessment Services, as follows:

- 1) reduction of fees for the third- option year, as indicated on the Revised Fee Schedules A and B; and
- 2) all other terms and conditions of the original Agreements shall remain the same.

NAD:OS:os

GEOTECHNICAL, CONSTRUCTION MATERIALS TESTING & ENVIRONMENT ASSESSMENT SERVICES

JULY 14, 2010

No.	REVISED FEE SCHEDULE A (Geotech / Material Testing)	MACTEC ENGINEERING & CONSULTING, INC.		NUTTING ENGINEERS OF FL, INC.		NODARSE & ASSOCIATES, INC.		PROFESSIONAL SERVICE INDUSTRIES, INC.	
		Original	Reduced	Original	Reduced	Original	Reduced	Original	Reduced
1.0	Project Engineer, per hour	75.00	67.50	70.00	63.00	75.00	67.50	75.00	67.50
2.0	Registered Professional Engineer, per hour	87.00	78.30	86.00	76.50	87.00	78.30	87.00	78.30
3.0	Certified Radon Specialist, per hour	73.00	65.70	73.00	65.70	73.00	65.70	73.00	65.70
4.0	Principal Eng., PE, per hour	100.00	90.00	100.00	90.00	100.00	90.00	100.00	90.00
5.0	Drafting/Clerical Services, per hour	35.00	31.50	35.00	31.50	35.00	31.50	35.00	31.50
6.0	Engineering Technician: (minimum 3 years of experience) Regular Time, per hour Overtime, per hour	33.00	29.70	33.00	29.70	33.00	29.70	33.00	29.70
		42.50	38.25	42.50	38.25	42.50	38.25	42.50	38.25
7.0	A.C.I. Certified Technician: (minimum 3 years of experience) Regular Time, per hour Overtime, per hour	40.00	36.00	37.50	33.75	40.00	36.00	40.00	36.00
		53.50	48.15	53.50	48.15	48.00	43.20	53.50	48.15
8.0	Senior Engineering Technician, 2 hours minimum (minimum 5 years of experience) Regular time, per hour Overtime, per hour	43.00	38.70	42.50	38.25	43.00	38.70	42.50	38.25
		53.50	48.15	52.00	46.80	53.50	48.15	53.50	48.15
9.0	Senior Engineering Technician to perform threshold inspection and/or inspection services, in accordance with the requirements of the Florida Building Code, such as (2 hours minimum): Concrete Batch Plan Inspection Asphalt Batch Plan Inspection Bolting Inspection (includes equipment) Galvanizing Inspection (does not include testing) Deck Mechanical Attachment Inspection Fire Proofing Inspection Visual Welding Inspection Regular time, per hour Overtime, per hour	50.00	45.00	47.00	42.30	50.00	45.00	50.00	45.00
		60.00	54.00	59.00	53.10	60.00	54.00	60.00	54.00

No.	REVISED FEE SCHEDULE A (Geotech / Material Testing)	MACTEC ENGINEERING & CONSULTING, INC.		NUTTING ENGINEERS OF FL, INC.		NODARSE & ASSOCIATES, INC.		PROFESSIONAL SERVICE INDUSTRIES, INC.	
		Original	Reduced	Original	Reduced	Original	Reduced	Original	Reduced
9.1	Threshold Engineer P.E. Inspector Regular time, per hour Overtime, per hour	120.00	108.00	120.00	108.00	120.00	108.00	120.00	108.00
		125.00	112.50	125.00	112.50	125.00	112.50	125.00	112.50
10.0	Mobilization for Drill Rigs	300.00	270.00	265.00	238.50	300.00	270.00	300.00	270.00
11.0	Inspection to Verify Specified Paints NDE Inspector regular time, per hour NDE Inspector overtime, per hour	53.00	47.70	53.00	47.70	53.00	47.70	53.00	47.70
		70.00	63.00	70.00	63.00	70.00	63.00	68.00	61.20
12.0	Senior Engineering Technician to perform Paint Thickness Verification (including necessary equipment) 12.1 Wet Film Thickness Measurement, regular time, per hour 12.2 Wet Film Thickness Measurements, overtime, per hour	44.00	39.60	44.00	39.60	44.00	39.60	44.00	39.60
		58.00	52.20	58.00	52.20	58.00	52.20	58.00	52.20
13.0	Inspector to perform Roofing Installation Inspection and to verify Specified Roofing Materials includes all required pull test and reports Regular time, per hour Overtime, per hour	60.00	54.00	60.00	54.00	60.00	54.00	60.00	54.00
		60.00	54.00	60.00	54.00	60.00	54.00	60.00	54.00
14.0	Engineering Technician to perform Took Gage Measurements Regular time, per hour Overtime, per hour	44.50	40.05	44.50	40.05	44.50	40.05	44.50	40.05
		58.00	52.20	58.00	52.20	58.00	52.20	58.00	52.20
15.0	Soil test Borings with Conventional truck equipment, (ASTM D-1586): 15.1 0 to 50 foot depth, per lineal foot (minimum 50 ft boring per trip) 15.2 50 to 100 foot depth, per lineal foot	12.00	10.80	11.50	10.35	11.50	10.35	11.50	10.35
		13.00	11.70	12.75	11.48	12.75	11.48	12.75	11.48
16.0	Auger Boring, per lineal foot	8.00	7.20	7.50	6.75	7.50	6.75	7.50	6.75
17.0	Undisturbed samples of soft soils obtained in connection with soil test borings (ASTM D-1587), each sample	70.00	63.00	70.00	63.00	70.00	63.00	70.00	63.00
18.0	Extra Standard Penetration Test Sample, per sample	17.00	15.30	17.00	15.30	17.00	15.30	17.00	15.30
19.0	Rock Coring, NX size, 0 to 50 foot depths, per lineal foot 19.1 0 to 50, per lineal foot 19.2 50 to 100, per lineal foot	NX2"	NX4"	NX2"	NX4"	NX2"	NX4"	NX2"	NX4"
		22.00	19.80	22.00	19.80	22.00	19.80	22.00	19.80
			30.00	27.00	27.00	30.00	27.00	30.00	27.00
		30.00	27.00	30.00	27.00	30.00	27.00	30.00	27.00
			40.00	36.00	36.00	40.00	36.00	40.00	36.00

No.	REVISED FEE SCHEDULE A (Geotech / Material Testing)	MACTEC ENGINEERING & CONSULTING, INC.		NUTTING ENGINEERS OF FL, INC.		NODARSE & ASSOCIATES, INC.		PROFESSIONAL SERVICE INDUSTRIES, INC.	
		Original	Reduced	Original	Reduced	Original	Reduced	Original	Reduced
20.0	Setting 3-inch Diameter casing (NW) when required, to stabilize hole when drilling through soft soils or rock formations, per foot	5.50	4.95	5.50	4.95	5.50	4.95	5.50	4.95
21.0	Setting 6-inch Diameter casing (SW) per linear foot Tripod mounted boring (0-20 feet) per hour (includes personnel)	7.75	6.98	7.75	6.98	7.75	6.98	7.75	6.98
		110.00	99.00	110.00	99.00	110.00	99.00	110.00	99.00
22.0	Percolation test per South Florida Water Management District (S.F.W.M.D.), (minimum 3 tests per trip), per test (includes mobilization/rig/operator/crew & report)	290.00	261.00	267.50	240.75	290.00	261.00	275.00	247.50
23.0	Double Ring Infiltration Test, per test (minimum 2 tests per trip)	330.00	297.00	330.00	297.00	330.00	297.00	330.00	297.00
24.0	Concrete cores (sampling) Includes mobilization/technician time & travel time	120.00	108.00	120.00	108.00	120.00	108.00	120.00	108.00
	24.1 One sample	80.00	72.00	80.00	72.00	80.00	72.00	80.00	72.00
	24.2 Two or more, per sample								
25.0	Drilled concrete cores, curing and compression testing only, each	22.00	19.80	22.00	19.80	22.00	19.80	22.00	19.80
26.0	Extra Slump Test, each	14.00	12.60	14.00	12.60	14.00	12.60	14.00	12.60
27.0	Technician to job site to sample fresh concrete (including light weight), make slump test, mold minimum set of 5 concrete cylinders, cure, tests and report, including reserves as follows:	15.00	13.50	15.00	13.50	15.00	13.50	15.00	13.50
	27.1 One set per trip, per cylinder	15.00	13.50	15.00	13.50	15.00	13.50	15.00	13.50
	27.2 Two sets per trip, per cylinder								
	27.3 Three or more sets per trip, per cylinder	13.50	12.15	13.50	12.15	13.50	12.15	13.50	12.15
28.0	Mobilization (cylinder recovery)	25.00	22.50	25.00	22.50	25.00	22.50	25.00	22.50
29.0	Mortar Sampling and Strength Testing Production and Strength Testing Mortar Cubes (ASTM C-780), per cube	16.00	14.40	16.00	14.40	16.00	14.40	16.00	14.40
30.0	Stucco Sampling and Strength Testing Production and Strength Testing Mortar Cubes, per cube	13.00	11.70	13.00	11.70	13.00	11.70	13.00	11.70
31.0	Stucco Alkalinity Prior to Painting Sampling and Testing of Stucco, per sample	43.00	38.70	43.00	38.70	43.00	38.70	43.00	38.70
32.0	Natural Moisture Content, soil samples (ASTM D-2216), each	15.00	13.50	15.00	13.50	15.00	13.50	15.00	13.50

No.	REVISED FEE SCHEDULE A (Geotech / Material Testing)	MACTEC ENGINEERING & CONSULTING, INC.		NUTTING ENGINEERS OF FL, INC.		NODARSE & ASSOCIATES, INC.		PROFESSIONAL SERVICE INDUSTRIES, INC.	
		Original	Reduced	Original	Reduced	Original	Reduced	Original	Reduced
33.0	Grain Size Determination 33.1 Percent Passing No. 200 Sieve by washing, each 33.2 Wash No. 200 Sieve (ASTM D-1140), each	26.00	23.40	26.00	23.40	26.00	23.40	26.00	23.40
34.0	Determination of Organic Content, each	34.00	30.60	34.00	30.60	34.00	30.60	34.00	30.60
35.0	Determination of Organic Content, each	36.00	32.40	36.00	32.40	36.00	32.40	36.00	32.40
36.0	CBR or LBR: Including laboratory compaction test (ASTM D-183) or AASHTO T-193, or Florida D.O.T.) each	280.00	252.00	280.00	252.00	280.00	252.00	280.00	252.00
37.0	Laboratory Compaction Test (ASTM D-1557 or AASHTO T-180): 36.1 ASTM D-698 or AASHTO T-99, per test 36.2 ASTM D-1557 or AASHTO T-180, per test	85.00	76.50	85.00	76.50	85.00	76.50	85.00	76.50
38.0	Density Tests: 37.1 In-place density (minimum 3 tests per trip), per test 37.2 Relative density, per test	95.00	85.50	95.00	85.50	95.00	85.50	95.00	85.50
39.0	Laboratory analysis of soil samples for pH, soluble salts, nitrogen, phosphorous, potassium, calcium, magnesium, iron, manganese, zinc, copper, boron, and sulfur, per sample.	28.00	25.20	25.00	22.50	28.00	25.20	28.00	25.20
40.0	Same as above (item 38.0) with organic soils and/or turf, per sample	121.00	108.90	121.00	108.90	121.00	108.90	121.00	108.90
41.0	Laboratory analysis of soil samples for pH, soluble salts, nitrogen, phosphorous, potassium, calcium, magnesium, iron, manganese, zinc, copper, boron, and sulfur, per sample.	34.00	30.60	34.00	30.60	34.00	30.60	34.00	30.60
42.0	Same as above (item 38.0) with fertilization or recommendation, per sample	42.00	37.80	42.00	37.80	42.00	37.80	42.00	37.80
43.0	Same as (item 38.0) with fertilization or recommendation, per sample	35.00	31.50	35.00	31.50	35.00	31.50	35.00	31.50
44.0	Nematode analysis, per sample	30.00	27.00	30.00	27.00	30.00	27.00	30.00	27.00
45.0	Asphalt Thickness Tests Coring and thickness measurements not including patching, per core, 3 cores minimum per trip	70.00	63.00	70.00	63.00	70.00	63.00	70.00	63.00
46.0	Not used and intentionally deleted.								

No.	REVISED FEE SCHEDULE A (Geotech / Material Testing)	MACTEC ENGINEERING & CONSULTING, INC.		NUTTING ENGINEERS OF FL, INC.		NODARSE & ASSOCIATES, INC.		PROFESSIONAL SERVICE INDUSTRIES, INC.	
		Original	Reduced	Original	Reduced	Original	Reduced	Original	Reduced
44.0	Stand-by time (in excess of ½ hour per boring) for reasons other than inclement weather or mechanical breakdown, Includes operator with written confirmation from Owner. 44.1 Backhoe rental, for testing excavations (minimum 5 hours), per hour w/ operator (actual cost W/N.T.E. fee) 44.2 Track hoe rental, for testing excavations (minimum 5 hours), per hour w/ operator (actual W/N.T.E. fee) 44.3 Water truck rental, to perform seepage test trench (minimum 5 hours), per hour w/ operator (actual cost W/N.T.E. fee)	122.50	110.25	122.50	110.25	122.50	110.25	122.50	110.25
		82.50	74.25	82.50	74.25	82.50	74.25	82.50	74.25
		95.00	85.50	95.00	85.50	95.00	85.50	95.00	85.50
		100.00	90.00	100.00	90.00	100.00	90.00	100.00	90.00
45.0	Concrete Block Testing ASTM C-90	30.00	27.00	30.00	27.00	30.00	27.00	30.00	27.00
	45.1 Individual Blocks, per block	125.00	112.50	125.00	112.50	125.00	112.50	125.00	112.50
	45.2 Prism, per test	330.00	297.00	330.00	297.00	330.00	297.00	330.00	297.00
46.0	Wind Up-Lift Field Test - (It includes a project engineer and engineering technician; Does not include Engineering/Report)	270.00	243.00	270.00	243.00	270.00	243.00	270.00	243.00
	46.1 Two to four tests each	240.00	216.00	240.00	216.00	240.00	216.00	240.00	216.00
	46.2 Five to ten tests, each	20.00	18.00	20.00	18.00	20.00	18.00	20.00	18.00
	46.3 Over ten tests	20.00	18.00	20.00	18.00	20.00	18.00	20.00	18.00
47.0	Sprayed on Fireproofing Adhesion Tests, per test (minimum 3 tests)	30.00	27.00	30.00	27.00	30.00	27.00	30.00	27.00
	Sprayed on Fireproofing Density tests, per test (minimum 3 tests)	35.00	31.50	35.00	31.50	35.00	31.50	35.00	31.50
48.0	Moisture Content Test on Roof Core Samples, per sample	0.50	0.45	0.50	0.45	0.50	0.45	0.50	0.45
49.0	Stand by Time (per hour) due to Stand-by between site or contractor not ready for test	1,400.00	1260.00	1,400.00	1260.00	1,400.00	1260.00	1,400.00	1260.00
50.0	Vehicular Mileage (per mile) within Miami-Dade County								
51.0	Ground Penetrating Radar G.P.R. (10 Ft. max. depth, Report included) 4HR. Min. (1/2 Day)								

GEOTECHNICAL, CONSTRUCTION MATERIALS TESTING & ENVIRONMENT ASSESSMENT SERVICES

JULY 14, 2010

No.	REVISED FEE SCHEDULE B (Geotech / Environmental)	UNIT	MACTEC ENGINEERING & CONSULTING, INC.		NUTTING ENGINEERS OF FL, INC		NODARSE & ASSOCIATES, INC.		PROFESSIONAL SERVICE INDUSTRIES, INC.		
			Original	Reduced	Original	Reduced	Original	Reduced	Original	Reduced	
DIRECT LABOR											
1.1	Principal / Corporate Manager	HR	100.00	90.00	100.00	90.00	100.00	90.00	100.00	90.00	
1.2	Project Manager / Contract Manager	HR	85.00	76.50	85.00	76.50	85.00	76.50	85.00	76.50	
1.3	Senior -Engineer, PE / Geologist, P.G.	HR	85.00	76.50	85.00	76.50	85.00	76.50	85.00	76.50	
1.4	Senior - Hydrogeologist / Scientist	HR	85.00	76.50	85.00	76.50	85.00	76.50	85.00	76.50	
1.5	Project - Engineer / Geologist/ Scientist	HR	73.00	65.70	73.00	65.70	73.00	65.70	73.00	65.70	
1.6	Staff - Engineer /Geologist / Scientist	HR	65.00	58.50	65.00	58.50	65.00	58.50	65.00	58.50	
1.7	Certified Industrial Hygienist	HR	92.50	83.25	92.50	83.25	92.50	83.25	92.50	83.25	
1.8	Industrial Hygienist	HR	75.00	67.50	75.00	67.50	75.00	67.50	75.00	67.50	
1.9	Accountant, Financial Mgr., CPA	HR	82.50	74.25	82.50	74.25	82.50	74.25	82.50	74.25	
1.10	Word Processor	HR	35.00	31.50	35.00	31.50	35.00	31.50	35.00	31.50	
1.11	Drafts Person	HR	35.00	31.50	35.00	31.50	35.00	31.50	35.00	31.50	
1.12	Field Foreman a. Normal time b. Overtime	HR	50.00	45.00	50.00	45.00	50.00	45.00	50.00	45.00	
		HR	65.00	58.50	65.00	58.50	65.00	58.50	65.00	58.50	
1.13	Field Technician /Equipment Operator a. Normal time b. Overtime	HR	35.00	31.50	35.00	31.50	35.00	31.50	35.00	31.50	
		HR	50.00	45.00	50.00	45.00	50.00	45.00	50.00	45.00	
1.14	Laborer a. Normal time b. Overtime	HR	35.00	31.50	35.00	31.50	35.00	31.50	35.00	31.50	
		HR	50.00	45.00	50.00	45.00	50.00	45.00	50.00	45.00	
1.15	Asbestos Inspector (AHERA Certified) a. Normal time b. Overtime	HR	50.00	45.00	50.00	45.00	50.00	45.00	50.00	45.00	
		HR	65.00	58.50	65.00	58.50	65.00	58.50	65.00	58.50	
1.16	Expert Witness a. Research b. Testimony	HR	125.00	112.50	125.00	112.50	125.00	112.50	125.00	112.50	
		HR	175.00	157.50	175.00	157.50	175.00	157.50	175.00	157.50	

No.	REVISED FEE SCHEDULE B (Geotech / Environmental)	UNIT	MACTEC ENGINEERING & CONSULTING, INC.		NUTTING ENGINEERS OF FL, INC		NODARSE & ASSOCIATES, INC.		PROFESSIONAL SERVICE INDUSTRIES, INC.	
			Original	Reduced	Original	Reduced	Original	Reduced	Original	Reduced
1.17	Florida-Licensed Asbestos Consultant a. Normal time b. Overtime	HR	85.00	76.50	85.00	76.50	85.00	76.50	85.00	76.50
			100.00	90.00	100.00	90.00	100.00	90.00	100.00	90.00
1.18	Florida-Licensed Radon Measurement Technician a. Normal time b. Overtime	HR	40.00	36.00	40.00	36.00	40.00	36.00	40.00	36.00
			55.00	49.50	55.00	49.50	55.00	49.50	55.00	49.50
1.19	Florida-Licensed Radon Measurement Specialist a. Normal time b. Overtime	HR	75.00	67.50	75.00	67.50	75.00	67.50	75.00	67.50
			85.00	76.50	85.00	76.50	85.00	76.50	85.00	76.50

STANDARD SERVICES

2.1	Phase I Environmental Site Assessment (per ASTM 1527-05)	EA	2,900.00	2610.00	2,800.00	2520.00	2,900.00	2610.00	2,800.00	2520.00
2.2	Phase I ESA (per ASTM 1527-05) for sites greater than 25 Acres	EA	3,300.00	2970.00	3,200.00	2880.00	3,300.00	2970.00	3,200.00	2880.00
2.3	<i>Not used and intentionally deleted</i>									
2.4	<i>Not used and intentionally deleted</i>									
2.5	<i>Not used and intentionally deleted</i>									
2.6	Test Pits only (up to 15 test pits)	EA	1,700.00	1530.00	1,700.00	1530.00	1,700.00	1530.00	1,700.00	1530.00
2.7	Test Pits only (up to 30 test pits)	EA	2,200.00	1980.00	2,200.00	1980.00	2,200.00	1980.00	2,200.00	1980.00
2.8	Test Pits only (up to 50 test pits)	EA	2,700.00	2430.00	2,700.00	2430.00	2,700.00	2430.00	2,700.00	2430.00
2.9	NEPA Environmental Assessment (Checklist)	EA	650.00	585.00	650.00	585.00	650.00	585.00	650.00	585.00
2.10	Threatened and Endangered Species Survey for sites less than 10 acres	EA	1,900.00	1710.00	1,900.00	1710.00	1,900.00	1710.00	1,900.00	1710.00
2.11	Threatened and Endangered Species Survey for sites greater than 10 acres	EA	2,900.00	2610.00	2,900.00	2610.00	2,900.00	2610.00	2,900.00	2610.00
2.12	<i>Not used and intentionally deleted</i>									
2.13	<i>Not used and intentionally deleted</i>									

No.	REVISED FEE SCHEDULE B (Geotech / Environmental)	UNIT	MACTEC ENGINEERING & CONSULTING, INC.		NUTTING ENGINEERS OF FL, INC		NODARSE & ASSOCIATES, INC.		PROFESSIONAL SERVICE INDUSTRIES, INC.	
			Original	Reduced	Original	Reduced	Original	Reduced	Original	Reduced
2.14	Jurisdictional Wetland Delineation (0-5 Acres)	EA	3,800.00	3420.00	3,800.00	3420.00	3,800.00	3420.00	3,800.00	3420.00
2.15	Jurisdictional Wetland Delineation (5-10 Acres)	EA	4,800.00	4320.00	4,800.00	4320.00	4,800.00	4320.00	4,800.00	4320.00
2.16	Jurisdictional Wetland Delineation (10-15 Acres)	EA	5,800.00	5220.00	5,800.00	5220.00	5,800.00	5220.00	5,800.00	5220.00
2.17	Jurisdictional Wetland Delineation (15-20) Acres	EA	7,800.00	7020.00	7,800.00	7020.00	7,800.00	7020.00	7,800.00	7020.00
2.18	Radon Survey with up to 35 samples (not including required duplicates and blanks)	EA	2,200.00	1980.00	2,200.00	1980.00	2,200.00	1980.00	2,200.00	1980.00
2.19	Radon Survey with up to 75 samples (not including required duplicates and blanks)	EA	2,656.00	2390.40	2,656.00	2390.40	2,656.00	2390.40	2,656.00	2390.40
2.20	Radon Survey with up to 125 samples (not including required duplicates and blanks)	EA	3,800.00	3420.00	3,800.00	3420.00	3,800.00	3420.00	3,800.00	3420.00
2.21	Radon Survey with up to 150 samples (not including required duplicates and blanks)	EA	4,800.00	4320.00	4,800.00	4320.00	4,800.00	4320.00	4,800.00	4320.00
2.22	Radon Survey with up to 200 samples (not including required duplicates and blanks)	EA	5,800.00	5220.00	5,800.00	5220.00	5,800.00	5220.00	5,800.00	5220.00
DRILLING (see notes 1-4)										
3.1	Split spoon collection	FT/EA	19.00	17.10	19.00	17.10	19.00	17.10	19.00	17.10
	(Including steam cleaning)	FT/EA	20.00	18.00	20.00	18.00	20.00	18.00	20.00	18.00
3.2	Bore hole grouting	FT/EA	15.00	13.50	15.00	13.50	15.00	13.50	15.00	13.50
3.3	2" diameter monitor well installation (includes steam cleaning decon, screen riser, sand pack, seal and grout	FT/EA	30.00	27.00	30.00	27.00	30.00	27.00	30.00	27.00
	<50 ft.	FT/EA	35.00	31.50	35.00	31.50	35.00	31.50	35.00	31.50
	>50 ft.	FT/EA	45.00	40.50	45.00	40.50	45.00	40.50	45.00	40.50
	4" diameter well installation	FT/EA	55.00	49.50	55.00	49.50	55.00	49.50	55.00	49.50
3.4	5" - 6" diameter well installation	FT/EA	70.00	63.00	70.00	63.00	70.00	63.00	70.00	63.00

No.	REVISED FEE SCHEDULE B (Geotech / Environmental)	UNIT	MACTEC ENGINEERING and CONSULTING, INC.		NUTTING ENGINEERS OF FL, INC		NODARSE & ASSOCIATES, INC.		PROFESSIONAL SERVICE INDUSTRIES, INC.	
			Original	Reduced	Original	Reduced	Original	Reduced	Original	Reduced
3.5	Double cased wells 4" surface casing <50ft.	FT/EA	45.00	40.50	45.00	40.50	45.00	40.50	45.00	40.50
	6" surface casing <50 ft.	FT/EA	60.00	54.00	60.00	54.00	60.00	54.00	60.00	54.00
3.6	Well completion (includes up to 30 minutes development, meter box with bolt down cover, concrete pad and locking well cap With aluminum standpipe (above ground completion.))	EA	200.00	180.00	200.00	180.00	200.00	180.00	200.00	180.00
		EA	250.00	225.00	250.00	225.00	250.00	225.00	250.00	225.00
3.7	Well abandonment (includes grouting) 2" dia.	FT	10.00	9.00	10.00	9.00	10.00	9.00	10.00	9.00
	4" dia.	FT	12.00	10.80	12.00	10.80	12.00	10.80	12.00	10.80
	5" - 6" dia.	FT	15.00	13.50	15.00	13.50	15.00	13.50	15.00	13.50
3.8	2' x 2' well pad removal and cold patch with asphalt or concrete	EA	170.00	153.00	170.00	153.00	170.00	153.00	170.00	153.00
3.9	Shallow 2" diameter monitor well installation with portable equipment	EA	600.00	540.00	600.00	540.00	600.00	540.00	600.00	540.00
3.10	Temporary mini well constructed using direct push technology including abandonment.	DAY								
	Daily Rate Minimum - 1,500 per day		1,500.00	1350.00	1,500.00	1350.00	1,500.00	1350.00	1,500.00	1350.00
3.11	Mobilization (within 50 mile radius). DELETED : Refer to Schedule "A", Item #10,	EA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.12	DOT approved 55 gallon drum	EA	50.00	45.00	50.00	45.00	50.00	45.00	50.00	45.00
3.13	Permits (Recovery, injection well construction, consumptive use permit or abandonment per SFWMD, DEP & local municipalities)	---	Note #4	Note #4	Note #4	Note #4	Note #4	Note #4	Note #4	Note #4
3.14	Additional decontamination	PER HR	195.00	175.50	195.00	175.50	195.00	175.50	195.00	175.50
3.15	Well development beyond .5 hr.	PER HR	100.00	90.00	100.00	90.00	100.00	90.00	100.00	90.00
3.16	Standby/delay/difficult access time - Personnel time only	PER HR	70.00	63.00	70.00	63.00	70.00	63.00	70.00	63.00
3.17	Moving drums	PER HR	120.00	108.00	120.00	108.00	120.00	108.00	120.00	108.00
3.18	Drum testing and disposal	---	Note #4	Note #4	Note #4	Note #4	Note #4	Note #4	Note #4	Note #4

No.	REVISED FEE SCHEDULE B (Geotech / Environmental)	UNIT	MACTEC ENGINEERING & CONSULTING, INC.		NUTTING ENGINEERS OF FL, INC		NODARSE & ASSOCIATES, INC.		PROFESSIONAL SERVICE INDUSTRIES, INC.	
			Original	Reduced	Original	Reduced	Original	Reduced	Original	Reduced
3.19	OVA	PER DAY	100.00	90.00	100.00	90.00	100.00	90.00	100.00	90.00
3.20	Explosimeter	PER DAY	90.00	81.00	90.00	81.00	90.00	81.00	90.00	81.00
3.21	Utility clearance through "No Cuts"	PER DAY	440.00	396.00	440.00	396.00	440.00	396.00	440.00	396.00

No.	REVISED FEE SCHEDULE B (Environmental Consultant Contamination & Remediation Services)	UNIT	MACTEC ENGINEERING & CONSULTING, INC.		NUTTING ENGINEERS OF FL, INC		NODARSE & ASSOCIATES, INC.		PROFESSIONAL SERVICE INDUSTRIES, INC.	
			Original	Reduced	Original	Reduced	Original	Reduced	Original	Reduced
	See Note #5									
	Standard Turnaround Time 15 Calendar Days									
	Rush Turnaround Time 72 Hours									
4.1	GC/MS - Extractable, Semi-Quant, Screen		SOIL RATE STANDARD	SOIL RATE RUSH	SOIL RATE STANDARD	SOIL RATE RUSH	SOIL RATE STANDARD	SOIL RATE RUSH	SOIL RATE STANDARD	SOIL RATE RUSH
4.2	GC/MS - Library Search (up to 20 unknowns) Add. Cost Per Sample		LIQUID RATE STANDARD	LIQUID RATE RUSH	LIQUID RATE STANDARD	LIQUID RATE RUSH	LIQUID RATE STANDARD	LIQUID RATE RUSH	LIQUID RATE STANDARD	LIQUID RATE RUSH
4.3	Gasoline and Kerosene Analytical Group, FAC 62-770 Table 1		SOIL RATE STANDARD	SOIL RATE RUSH	SOIL RATE STANDARD	SOIL RATE RUSH	SOIL RATE STANDARD	SOIL RATE RUSH	SOIL RATE STANDARD	SOIL RATE RUSH
4.4	Used Oil Analytical Group, FAC 62-770 Table 2, w/o TCLP		SOIL RATE STANDARD	SOIL RATE RUSH	SOIL RATE STANDARD	SOIL RATE RUSH	SOIL RATE STANDARD	SOIL RATE RUSH	SOIL RATE STANDARD	SOIL RATE RUSH

SEE NOTE #4

No.	REVISED FEE SCHEDULE B (Environmental Consultant Contamination & Remediation Services)	MACTEC ENGINEERING & CONSULTING, INC.	NUTTING ENGINEERS OF FL, INC	NODARSE & ASSOCIATES, INC.	PROFESSIONAL SERVICE INDUSTRIES, INC.
See Note #5		SOIL RATE STANDARD	SOIL RATE RUSH	SOIL RATE STANDARD	SOIL RATE STANDARD
Standard Turnaround Time 15 Calendar Days		LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE STANDARD	LIQUID RATE STANDARD
Rush Turnaround Time 72 Hours		LIQUID RATE STANDARD	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH
4.5	Other Petroleum as per 376.301, F.S., FAC 62-770 Table 3				
4.6	Total Recoverable Petroleum Hydrocarbon (TRPH) by FL-PRO				
4.7	EPA Method 601 - Volatile Halocarbons				
4.8	EPA Method 602 - Volatile Aromatics				
4.9	EPA Method 603- Acrolein and Acrylonitrile				
4.10	EPA Method 604 - Phenols				
4.11	EPA Method 605 - Benzidines				
4.12	EPA Method 606 - Phthalate Esters				
4.13	EPA Method 607 - Nitrosamines				
4.14	EPA Method 608 - Organochlorine Pesticides & PCBs				
4.15	EPA Method 609 - Nitroaromatics				

SEE NOTE #4

No.	REVISED FEE SCHEDULE B (Environmental Consultant Contamination & Remediation Services)	MACTEC ENGINEERING & CONSULTING, INC.	NUTTING ENGINEERS OF FL, INC	NODARSE & ASSOCIATES, INC.	PROFESSIONAL SERVICE INDUSTRIES, INC.
	See Note #5	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
	Standard Turnaround Time 15 Calendar Days	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH
	Rush Turnaround Time 72 Hours	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD
4.16	EPA Method 610 - Polyaromatic	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH
4.17	EPA Method 611 - Haloethers	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD
4.18	EPA Method 612 - Chlorinated Hydrocarbons	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH
4.19	EPA Method 613 - Dioxin	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD
4.20	EPA Method 614 - Organophosphorus Pesticides	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH
4.21	EPA Method 624 - Volatile Organics by GC/MS	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD
4.22	EPA Method 625 - Semivolatile Organics by GC/MS	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH
4.23	EPA Method 8021B - for Parameter Group 8010 Volatile Halocarbons	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD
4.24	EPA Method 8015B - Non-Halogenated Solvents	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH
4.25	EPA Method 8021B - for Parameter Group 8020 Volatile Aromatics	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD

SEE NOTE #4

No.	REVISED FEE SCHEDULE B (Environmental Consultant Contamination & Remediation Services)	MACTEC ENGINEERING & CONSULTING, INC.	NUTTING ENGINEERS OF FL, INC	NODARSE & ASSOCIATES, INC.	PROFESSIONAL SERVICE INDUSTRIES, INC.
	See Note #5	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
	Standard Turnaround Time 15 Calendar Days	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH	SOIL RATE RUSH
	Rush Turnaround Time 72 Hours	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD
		LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH	LIQUID RATE RUSH
4.26	EPA Method 8032A - Acrolein & Acrylonitrile				
4.27	EPA Method 8041 - Phenols				
4.28	EPA Method 8061A - Phthalate Esters				
4.29	EPA Method 8081A - for Organochlorine Pesticides				
4.30	EPA Method 8082 - for PCBs (Achoir Only)				
4.31	EPA Method 8091 - Nitroaromatics				
4.32	EPA Method 8141A - Chlorinated Herbicides				
4.33	EPA Method 8121 - Chlorinated Hydrocarbons				
4.34	EPA Method 8141A - Organophosphorus Pesticides				
4.35	EPA Method 8141A - Chlorinated Herbicides				
4.36	EPA Method 8260B by GC/MS - Volatile Organics, TCL List				

SEE NOTE #4

No.	REVISED FEE SCHEDULE B (Environmental Consultant Contamination & Remediation Services)	MACTEC ENGINEERING & CONSULTING, INC.	NUTTING ENGINEERS OF FL, INC	NODARSE & ASSOCIATES, INC.	PROFESSIONAL SERVICE INDUSTRIES, INC.
	See Note #5				
	Standard Turnaround Time 15 Calendar Days	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
		RUSH	RUSH	RUSH	RUSH
		LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD	LIQUID RATE STANDARD
		RUSH	RUSH	RUSH	RUSH
	Rush Turnaround Time 72 Hours	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD	SOIL RATE STANDARD
		RUSH	RUSH	RUSH	RUSH
	4.37*EPA Method 8260B by GC/MS - Volatile Organics, Priority Pollutant List				
	4.38*EPA Method 8260B by GC/MS - Volatile Organics, Appendix IX List				
	4.39*EPA Method 8270C by GC/MS - Volatile Organics, TCL List				
	4.40*EPA Method 8270C by GC/MS - Volatile Organics, Priority Pollutant List				
	4.41*EPA Method 8270C by GC/MS - Volatile Organics, Appendix IX List				

SEE NOTE #4

No.	REVISED FEE SCHEDULE B (Environmental Consultant Contamination & Remediation Services)	UNIT	MACTEC ENGINEERING & CONSULTING, INC.	NUTTING ENGINEERS OF FL, INC	NODARSE & ASSOCIATES, INC.	PROFESSIONAL SERVICE INDUSTRIES, INC.
			Original	Original	Original	Original
			Reduced	Reduced	Reduced	Reduced
5.1	Asbestos Survey and Report-residential facility	EA	600.00	600.00	600.00	600.00
			540.00	540.00	540.00	540.00
5.2	Asbestos Survey and Report-commercial facility	EA	850.00	850.00	850.00	850.00
	<10,000 square feet		765.00	765.00	765.00	765.00

No.	REVISED FEE SCHEDULE B (Environmental Consultant Contamination & Remediation Services)	UNIT	MACTEC ENGINEERING & CONSULTING, INC.		NUTTING ENGINEERS OF FL, INC		NODARSE & ASSOCIATES, INC.		PROFESSIONAL SERVICE INDUSTRIES, INC.	
			Original	Reduced	Original	Reduced	Original	Reduced	Original	Reduced
5.3	Asbestos Survey and Report-commercial facility >10,000 square feet	EA	1,100.00	990.00	1,100.00	990.00	1,100.00	990.00	1,100.00	990.00
5.4	Asbestos Survey and Report-inspection-no sampling	EA	400.00	360.00	400.00	360.00	400.00	360.00	400.00	360.00
5.5	Lead-based Paint Survey and Report-residential facility	EA	700.00	630.00	700.00	630.00	700.00	630.00	700.00	630.00
5.6	Lead-based Paint Survey and Report-commercial facility <10,000 square feet	EA	950.00	855.00	950.00	855.00	950.00	855.00	950.00	855.00
5.7	Lead-based Paint Survey and Report-commercial facility >10,000 square feet	EA	1,200.00	1080.00	1,200.00	1080.00	1,200.00	1080.00	1,200.00	1080.00
5.8	Lead-based Paint Survey and Report-inspection-no sampling	EA	800.00	720.00	800.00	720.00	800.00	720.00	800.00	720.00

CONTAMINATION AND REMEDIATION SERVICES (within 50-mile radius. Beyond 50 mile radius, rate to be negotiated)

6.1	Non-hazardous Petroleum Soil Disposal (ton)(22 Ton Min.)	TON	SEE NOTES #4 & #5							
6.2	Non-hazardous Petroleum Fuel Disposal	GAL								
6.3	Non-hazardous Petroleum Water Disposal	GAL								
6.4	Non-hazardous Petroleum Sludge Disposal	DRUM								
6.5	Hazardous Solid Material Disposal (Metal Contamination)	DRUM								
6.6	Hazardous Liquid Material Disposal	DRUM								
6.7	Non-hazardous Bulk Solid Disposal (22 Ton Min. Landfill)	TON								
6.8	Non-hazardous Bulk Liquid Disposal	GAL								
6.9	Non-hazardous Solids Transportation (22 Ton Min.)	TON/ MILE								
6.10	Non-hazardous Solids Transportation	DRUM								

No.	REVISED FEE SCHEDULE B (Environmental Consultant Contamination & Remediation Services)	MACTEC ENGINEERING & CONSULTING, INC.		NUTTING ENGINEERS OF FL, INC		NODARSE & ASSOCIATES, INC.		PROFESSIONAL SERVICE INDUSTRIES, INC.	
		Original	Reduced	Original	Reduced	Original	Reduced	Original	Reduced
7.1	Indoor air quality survey to include temperature, relative humidity and carbon dioxide measurements. The survey must include a written report with recommendations. (Industrial Hygienist) Less than 10,000 sq. ft. 10,000 sq. ft. to 50,000 sq. ft.	1,200.00	1080.00	1,200.00	1080.00	1,200.00	1080.00	1,200.00	1080.00
			1,600.00	1440.00	1,600.00	1440.00	1,600.00	1440.00	1,600.00
7.2	Mold air samples a. Petri dish (approx. 3 week turnaround) b. spore trap 48 hour turnaround 3 - 5 day turnaround	110.00	99.00	110.00	99.00	110.00	99.00	110.00	99.00
		90.00	81.00	90.00	81.00	90.00	81.00	90.00	81.00
		70.00	63.00	70.00	63.00	70.00	63.00	70.00	63.00
7.3	Volatile organic compound air samples a. 48 hour turnaround b. greater than 48 hour	120.00	108.00	120.00	108.00	120.00	108.00	120.00	108.00
		60.00	54.00	60.00	54.00	60.00	54.00	60.00	54.00
7.4	Formaldehyde air samples a. 48 hour turnaround b. greater than 48 hour	----	----	----	----	----	----	----	----
		112.50	101.25	112.50	101.25	112.50	101.25	112.50	101.25
		60.00	54.00	60.00	54.00	60.00	54.00	60.00	54.00
7.5	Dust air sample a. total dust concentration b. Respirable dust concentration	25.00	22.50	25.00	22.50	25.00	22.50	25.00	22.50
		25.00	22.50	25.00	22.50	25.00	22.50	25.00	22.50

NOTES

- All work is to be performed in level D protective equipment. Higher levels of protection to be negotiated.
- Cost reflects drilling by a licensed SFWMD Well driller. Wells and soil borings performed using a hand auger will be billed at a labor and equipment rental rate.
- All drilling costs shall include cost to restore area to pre-existing condition (sod, asphalt, concrete, etc.).
- Direct Reimbursement.
- Schedule "B" lab fees charged to Miami-Dade County Public Schools (MDCPS) shall be no greater than the lowest lab fees charged by the Consultant for that laboratory service.

***Source of Lists**

Target Compound List: CPL SOW OLM03.0/4.0
Priority Pollutant: 40 CFR 423, Appendix A, 7/1/97,
Appendix IX: 40 CFR 264, Appendix IX, 7/1/97