

Agenda Request For (DATE): June 11, 2003

Department: Capital Project Administration

Background: In response to a request by Staff, R-A-M Professional Group has submitted a proposal received from Eillis & Associates, Inc. to provide CEI inspection services for the reconstruction of the Spell Swamp Bridge as part of the Griffin Road Reconstruction project. The total cost of the proposal which includes testing services for the bridge construction only. Any additional testing services required will be per the fee schedule attached to their proposal.

Financial/Economic Impact to Future Years Budgeting Process or Effect on Citizens: Could have an impact on future years budgeting of Capital Roadway Projects.

Action requested and recommendation: Staff requests and recommends that the Board approve Ellis & Associates proposal in the amount of \$68,250.00 to provide CEI services for the Spell Swamp Bridge Reconstruction. In addition, staff requests approval for the utilization of 361 Reserve For Road Paving-Bond acct. # 61999599-599410 in the amount of \$68,250.00 to cover said expenses.

Is this action consistent with the Nassau County Comprehensive Land Use Plan? Yes

Funding Source: Staff requests approval of the utilization of 361 Reserve For Road Paving – Bond funds.

Reviewed by:

Legal:

Finance:

Management Committee: *ok per Vickie Samus by phone - YJB 6/4/03*

APPROVED

DATE 6-11-03 *YJB*

7064 DAVIS CREEK ROAD
JACKSONVILLE, FLORIDA 32256
PHONE: 904/880-0960
FAX: 904/880-0970

Post-it* Fax Note	7671	Date	# of pages
To	Dawn Stevenson	From	Wayne Reed
Co./Dept	Nassau Co.	Cc	R-A-M
Phone #	904-321-5782	Phone #	731-5440
Fax #	904-321-5784	Fax #	731-5465

please call us.

772-6311



April 9, 2003

Mr. Frank E. Gray, Jr., P.E.
The R-A-M Professional Group, Inc.
8298 Bayberry Road, Suite 1
Jacksonville, Florida 32256

RE: Proposal to Provide Quality Control Testing & Inspection Services
Spell Swamp Bridge Reconstruction
Nassau County, Florida
E & A Proposal #03JX-03118.1

Dear Mr. Gray:

Thank you for allowing my firm the opportunity to provide this proposal for the quality control testing and inspection services for the Spell Swamp Bridge project. The attached proposal includes (1) the requested testing and inspection services during the pile installation, and (2) the full-time resident inspection during the construction phase of the bridge. We have utilized the FDOT testing and inspection frequencies (July 1, 2002) as our guide for determining the required testing services for the project. The attached testing/inspection estimate has been broken down by the various categories, such as soils, concrete, etc.

PROJECT INFORMATION/SCOPE OF SERVICES

We have been allowed to review the project plans for the project. In general, the scope of the work includes the total replacement of the existing Spell Swamp Bridge. The project includes driving new precast, pre-stressed concrete pile, cast-in-place concrete pile caps and bridge deck. The bridge project also includes concrete approach slabs. We understand that the estimated project schedule is 7 months (210 calendar days).

The first part of this proposal includes the proposed pile driving inspection and dynamic pile testing (PDA). The second part of this proposal includes the "full-time" inspection during the construction of the bridge, including the concrete and soils testing.

Any additional services will be invoiced based on the attached unit rates. Soil borings and/or geotechnical studies, turbidity monitoring/studies, environmental studies and/or testing and traffic control are not included in this proposal.

COMPENSATION

We have attached our proposed charges to provide the requested services. As requested, the actual breakdown is listed below.

03 APR 16 AM 9:57

RECEIVED
COUNTY COORDINATORS
OFFICE



Ellis & Associates, Inc.

Thank you again for allowing Ellis & Associates, Inc. the opportunity to provide this proposal. If you should have any questions and/or comments regarding this proposal, or if you should need any additional information regarding our services, please contact me at (904) 880-0960, extension 224 or on my mobile at (904) 219-7588. Once again, we look forward to working with you on this project.

Respectfully submitted,

ELLIS & ASSOCIATES, INC.

[Handwritten Signature]
John E. Ellis, II, P.E.
Senior Engineer

JEE/ah
w/attachments



FREE SCHEDULE
 Construction Materials Testing Services
 (Effective January 1, 2003)

SOILS TESTING SERVICES

Item	Description	Unit	Price
1	Laboratory Services		
A.	Moisture/Density Relationship of Soils (Proctor), Each		70.00
B.	Limerock Bearing Ratio (LBR), Includes Proctor test (Minimum 4 points)		195.00
	1. Natural Material, Each		210.00
	2. LBR with Percent Fines Content, Each		450.00
	3. Design, Each		450.00
C.	California Bearing Ratio (CBR), Includes Proctor test		400.00
	1. Natural Material @ 95% (100%, 98% and 95%), Each		195.00
	2. Natural Material @ 100%, Each		600.00
	3. Design @ 95%, Each		450.00
	4. Design @ 100%, Each		450.00
D.	Soil-Cement Design, Each		450.00
E.	Florida Bearing Value (FBV)		20.00
	1. Minimum of 3 Tests, Each		20.00
	2. Design, Each		125.00
F.	Sieve Analysis & Percent Fines Content		45.00
	1. Soil Sample, Each		30.00
	2. Sieve Analysis Only, Each		20.00
	3. Percent Fines-Content Only, Each		70.00
	4. Limerock or Ballast Rock, Each		65.00
G.	Aterberg Limits, Each		8.00
H.	Moisture Content, Each		25.00
I.	Percent Fines Content with Natural Moisture Test on Same Sample, Each		20.00
J.	Organic Content, Each		25.00
K.	pH Analysis of Soil		20.00
	1. Minimum Charge, Each		10.00
	2. Additional Tests, Each		20.00
L.	Soil Classification (ASTM D-2487), Each		10.00
M.	Overtime Multiplier		1.30
II.	Field Services		
A.	In-Place Density Testing (Minimum of 3 Tests Per Trip)		15.00
	1. Nuclear or Tube (Subgrade, Fill or Base Material), Each		25.00
	2. Sand Cone (Subgrade, Fill or Base Material), Each		40.00
B.	One Point Field Proctor, Each		8.00
C.	Limerock/Base Thickness Tests		5.00
	1. Coring (Minimum of 3 Tests Per Trip), Each		5.00
	2. Thickness Performed by Contractor, Reported By E.&A., Each		5.00
	3. Thickness Performed with Density Test, Each		5.00
D.	Trip Charge to Sample Materials (Local Area), Per Trip		35.00
E.	Technician Time, Standby or Inspection (See Rates Below)		1.30
F.	Overtime Multiplier		1.30



CONCRETE TESTING SERVICES

Laboratory Services	
A.	Concrete Mix Designs
1.	Regular Weight Concrete
a.	Compressive Strength (Cylinders), Each
b.	Flexural Strength (Beams), Each
2.	Lightweight Concrete, Each
3.	FDOT Mix Designs
a.	Hot Weather Concrete, Each
b.	Normal Weather or Section 347 Concrete, Each
4.	GROUT Mix Designs, Each
5.	Designs from Previous Information, Each
B.	Concrete Aggregates (Crushed Stone or Gravel)
1.	Gradation, Each
2.	Percent Fines Content, Each
3.	Specific Gravity, Each
4.	Los Angeles Abrasion, Each
5.	Sulphate Soundness Test, Each
6.	Absorption, Each
7.	Absorption with Unit Weight, Each
C.	Concrete Block, F.O.B. Laboratory
1.	Compressive Strength, Each
2.	Absorption, Each
3.	Linear Shrinkage, Per Set of 3 Block
4.	Masonry Prism - Two Blocks High, Each
D.	Chloride Content Testing (FM 5-516), Each
E.	Overtime Multiplier
Field Services	
A.	Cylinders, Cubes and Prisms Made by E & A
1.	3 Specimens per Set (Minimum Charge), Each Set
2.	Excess of 3 Specimens Same Set, Each
B.	Cylinders, Cubes and Prisms Made by Others, F.O.B.
1.	3 Specimens per Set (Minimum Charge), Each Set
2.	Excess of 3 Specimens Same Set, Each
C.	Beams Made by E & A
1.	2 Beams per Set (Minimum Charge), Each Set
2.	Excess of 2 Beams Same Set, Each
D.	Beams Made by Others, F.O.B.
1.	2 Beams per Set (Minimum Charge), Each Set
2.	Excess of 2 Beams Same Set, Each
H.	Additional Slump, Each
F.	Unit Weight (in Conjunction with Cyls or Beams), Each
G.	Air Test (Volumetric or Pressure), Each
H.	Windsor Probe (ASTM C 803)
1.	Shots (Minimum of 3 Shots per Trip), Each Shot
2.	Technician/Engineer, Per Hour (See Rates Below)



1.	Schmidt Hammer (ASTM C 805)	1.	Equipment, Per Day	25.00
		2.	Technician/Engineer, Per Hour (See Rates Below)	400.00
J.	Floor Flatness/Levelness Testing (ASTM E 1155), Minimum-Charge	1.	Equipment, Per Day	100.00
		2.	Technician/Engineer, Per Hour (See Rates Below)	300.00
K.	Concrete Shrinkage Beams (Per set of 3), Per Set	1.	Concrete Coring (ASTM C 42), Minimum Charge	200.00
L.	Concrete Coring (ASTM C 42), Minimum Charge	1.	Bit Usage/Coring Charges (\$1/inch diameter/inch drilled)	15.00
		2.	Technician Time to Cut Cores (See Rates Below)	35.00
		3.	Core Preparation and Testing, Each Core	1.50
M.	Trip Charge to Sample Materials (Local Area), Per Trip			
N.	Technician Time, Standby or Inspection (See Rates Below)			
O.	Overtime Multiplier			

ASPHALT TESTING SERVICES

1.	Asphalt Mix Designs	1.	Marshall Method, Each	650.00
		2.	Superpave Method, Each	2,500.00
B.	Extractions	1.	Near Method (Typical method used), Each	125.00
		2.	Non-Chlorinated Solvents, Each	80.00
		3.	Chlorinated Solvents, Each	150.00
C.	Gradation with Percent Fines, Each			
D.	Marshall Stability Tests	1.	2 Pills, Each	60.00
		2.	FAA specifications - 75 blow (4 Pills), Each	120.00
E.	Superpave Tests	1.	Volumetric Tests (Gyration), 2 Pills, Each	100.00
		2.	Rice Method Tests, Each	125.00
		3.	Superpave Test Series (Volumetrics, Rices, Near, Gradation), Each	350.00
F.	Asphalt Aggregate (See CONCRETE TESTING SERVICES, Laboratory Services)			
G.	Quality Assurance, Plant Inspection (See Rates Below)			
H.	Overtime Multiplier			
11.	Field Services	A.	In-Place Density Testing (Minimum of 3 Tests per Trip), Each	15.00
		B.	Asphalt Cores	125.00
		1.	Cutting or Sampling Cores, Minimum Charge	10.00
		a.	Cutting Cores, Each	10.00
		b.	Technician Time to Cut Cores (See Rates Below)	12.00
		2.	Thickness of Core, Each	5.00
		3.	Density of Core, Each	12.00
		C.	Quality Assurance, Field Inspection (See Rates Below)	1.50
		D.	Overtime Multiplier	1.50

Data\Proposals\CMT\Current\Prices.2003 WordLetter



STEEL INSPECTION/TESTING

A.	Quality Assurance, Both Torquing and Visual Weld Inspection, Plant and/or Field Inspection Technician Time, Per Hour	50.00
B.	Ultrasonic Inspection/Testing, Plant and/or Field Inspection, Technician Time, Per Hour (Plus Expenses)	65.00
C.	Radiographic Inspection/Testing, Plant and/or Field Inspection, Technician Time (Price On Request)	
D.	Magnetic Particle, Dye Penetrant or Paint Thickness Testing or Inspection Technician Time, Per Hour	50.00
	Materials (As Required)	
E.	Location of Steel Reinforcement with Pachometer (R-meter), Minimum Charge	200.00
	1. Technician Time, Per Hour	50.00
	2. Equipment, Per Day	50.00
	3. Reporting Charges (See Engineering Services Below)	50.00
F.	Fire Resisitive Coating Inspection (ASTM E 605)	
	1. Thickness Testing and Sampling Time, Per Hour	50.00
	2. Unit Weight Testing, Each	25.00
	3. Adhesion/Cohesion Testing, Each	40.00
G.	Welder Certification, Per Welder, Minimum Charge	150.00
	1. Technician Time, Per Hour	50.00
	2. Guided Bend Tests, Each	50.00
H.	Overtime Multiplier	1.30

ENGINEERING & INSPECTION SERVICES

For project planning, coordination and direction, site visits, inspection, sample review, analysis/evaluation of test data, report review and/or preparation, and client consultation

A.	Engineering Technician, Per Hour	38.00
B.	Senior Engineering Technician, Per Hour	50.00
C.	Chief Engineering Technician, Per Hour	60.00
D.	Asphalt Level 1 Technician, Per Hour	42.00
E.	Asphalt Level II Technician, Per Hour	50.00
F.	Masonry, Pile, Prestressed or Precast Inspector, Per Hour	50.00
G.	Certified Welding Inspector (CWI), Per Hour	50.00
H.	Staff Engineer, Per Hour	70.00
I.	Project Engineer, Per Hour	85.00
J.	Senior Engineer, P.E., Per Hour	100.00
K.	Principal Engineer, P.E., Per Hour	150.00
L.	Draftsperson (CAD), Per Hour	50.00
M.	Administrative, Per Hour	40.00
N.	Overtime Multiplier	1.30

NOTES: All hourly rates are portal-to-portal with a minimum of two (2) hours time. Overtime applies to all services performed before 7 A.M. and after 5 P.M. Monday through Friday, weekends and recognized Holidays. Any services provided between the hours of 6 P.M. and 6 A.M. will be charged a minimum of four (4) hours time. Unit rates listed are for local projects only, mobilization and/or per diem charges will be assessed for out of town projects. A minimum charge of \$50.00 will be assessed for all scheduled projects, which are cancelled while enroute or after our arrival at the project site. A minimum charge of \$50.00 will be assessed for all testing/inspection reports.