

PROPOSAL NUMBER: #P894

PROPOSAL NAME: SPECIAL INSPECTIONS & TESTING

OPENING DATE: 3:00pm, TUESDAY, NOVEMBER 19, 2013

AMEC ENVIRONMENT & INFRASTRUCTURE, INC.		ATC GROUP SERVICES INC. DBA CARDNO ATC		PIEDMONT GEOTECHNICAL CONSULTANTS, INC.		MORELAND ALTABELLI ASSOCIATES, INC.		
Schedule of Fees		Cost Budget		Unit Fee Schedule		COST		
Engineering Services		Soil and Earthwork:		Eng. and Tech Services		Field Tech, Soil, Concrete \$5,000.00		
Proj. Eng. Per hr	\$65.00	Senior Engineering Tech.		Eng. Aide, Per hr	\$60.00	Steel/Welding Inspector	\$1,700.00	
Sr. Eng. Per hr	\$85.00	Sr. Eng. Tech - Per hr	\$45.00	\$3,600.00	Staff Eng. Per hr	\$70.00	Mansonry Inspector	\$1,800.00
Sr./Prin Eng. Per hr	\$115.00	Mileage - Per Mile	\$0.60	\$480.00	Proj. Eng./Proj. Mgr, Per hr	\$80.00	LAB TEST	
Technician Services		Laboratory Services		Sr. Registered Eng., Per hr	\$110.00	Proctor	\$240.00	
Tech for field testing concrete, Per hr	\$30.00	Estimate 1 Standard Soil proctor, Per each	\$100.00	\$100.00	Soils, Masonry or Concrete Special Inspector, Per hr	\$45.00	Compressive Strength	\$240.00
Sr. Tech for field testing soil, GAB, Asphalt and fireproofing, Per hr	\$40.00	Senior Registered Eng/Proj Mgr. for field data review, consultation, meetings, etc.		Soils Tech, Per hr	\$40.00	Grout Prism Strength	\$180.00	
Roofing Tech. Per hr	\$50.00	Estimate 2 weeks, Per hr	\$105.00	\$210.00	ACI Concrete Tech, Per hr	\$35.00	Proj. Management, scheduling	\$750.00
CWI for evaluation of structural steel, Per hr	\$50.00	Subtotal: \$4,390.00		Structural Steel Inspector - Visual Method, Per hr	\$75.00	QA/QC Engineering	\$950.00	
Supp. Lab Services		Foundation Evaluations: (All work to be performed by an experienced Geotechnical Engineer.)		Structural Steel Inspector - Non Destructive Method, Per hr	\$85.00	Mileage	\$540.00	
Soil Testing		Staff Engineer for subgrade, footing and proofrolling evaluations.		Mileage, per mile	\$0.60	TOTAL COST: \$11,400.00		
Standard Proctor Compaction test, Per test	\$110.00	Estimate 2 weeks, 10 hours, Per hr.	\$75.00	\$1,500.00	Other Expenses, actual cost + 15%			
Modified Proctor Compaction test, Per test	\$120.00	Mileage, estimate 4 trips, 80 miles per trip, Per mile	\$0.60	\$192.00	Overtime rate is 1.5 times standard rate, for over 8 hours per day, before 6am or after 6pm, holidays, and weekends. All charges are portal-to-portal from our Newnan office. A four hour minimum may apply.			
Grainsize Analysis, Per test	\$75.00	Sr. Registered Engineer/Project Manager for field data review, consultation, meeting, etc.		LABORATORY TESTING SERVICES				
Atterberg Limits, Per test	\$90.00	Estimate 2 weeks 1 hr per week, Per hr	\$105.00	\$210.00	SOIL			
GAB Testing		Concrete Testing (including field concrete testing and cylinder transportation)		Standard Proctor Compaction Test				
Standard Proctor Compaction test, Per test	\$125.00	Sr. Eng. Tech. (concrete placement and casing compressive test specimens)		Method A & B, Each \$80.00				
Modified Proctor Compaction test, Per test	\$135.00	Estimate 6 weeks, 15 hours per week, Per hr	\$45.00	\$4,050.00	Method C, Each \$100.00			
Concrete compressive strength test, per cylinder	\$10.00	Mileage, estimate 12 trips, 80 miles per trip, Per mile	\$0.60	\$576.00	Modified Proctor Compaction Test			
Grout compressive strength test, per prism	\$15.00	Laboratory Services		Method A & B, Each \$110.00				
Mortar cube compressive strength test, per cube	\$12.00	Estimate 15 sets, 4 cylinders per set, Each	\$10.00	\$600.00	Method C, Each \$130.00			
Extraction & Gradation, per sample	\$140.00	Concrete cylinder pickup, estimate 12 trips, 2.5 hrs per trip, Per hr	\$45.00	\$1,350.00	Proctor Check Point, Each \$25.00			
Asphalt cores, each (does not include core equipment rental fee)	\$20.00	Sr. Registered Engineer/Project Manager for field data review, consultation, meeting, etc.		Atterberg Limits, Each \$60.00				
Fireproofing density, each	\$30.00	Estimate 6 weeks, .5 hrs per week, per Hr	\$105.00	\$315.00	Shrinkage Limits, Each \$60.00			
						Specific Gravity, Each \$50.00		

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Fireproofing Bond Strength \$15.00		Sieve Analysis, Each \$55.00	
Other Direct Expenses	Subtotal: \$6,891.00		
Travel Expenses - Company pickup/personal vehicle, per mile (IRS rate) \$0.565	Reinforcing Steel Evaluation: (Services to include field observation of reinforcing steel prior to concrete placement)	Hydrometer with Sieve Analysis, Each \$80.00	
Overtime Charges - For work required during other than normal or 40-hour week, before 6am, after 6pm or on Saturdays, Sundays and holiday, multiply technician and laboratory services by 1.5	ICC Special Inspector	Moisture Content, Each \$10.00	
For subcontractor, equipment rental, shipping, multiply services by \$1.15	Estimate 6 weeks, 5 hrs per week, Per hr \$55.00 \$1,650.00	California Bearing Ratio Test, per point (includes proctor) \$300.00	
These proposal rates are effective through the project duration.	Sr. Registered Engineer/Project Manager for field data review, consultation, meeting, etc. Estimate 6 weeks, .5 hrs per week, per Hr \$105.00 \$315.00	AGGREGATES	
	Subtotal: \$1,965.00	Aggregate Gradation, coarse aggregate, Each \$75.00	
	Masonry Evaluation: (Services to include periodic field observation of masonry installation and casting of mortar cubes and grout prisms.)	Aggregate Gradation, fine aggregate, Each \$60.00	
	ICC Special Inspector	Gradation of Graded Aggregate Base, Each \$85.00	
	Estimate 2 weeks, 15 hrs per week, Per hr \$55.00 \$1,650.00	Absorption, Each \$50.00	
	Mileage, estimate 4 trips, 80 miles per trip, Per mile \$0.60 \$192.00	Organic Impurities, Each \$60.00	
	Laboratory Services	Specific Gravity, Each \$50.00	
	Estimate 2 sets of 3 mortar cubes, Each \$10.00 \$60.00	Abrasion "Los Angeles", Each \$150.00	
	Estimate 2 sets of 4 grout prisms, Each \$20.00 \$160.00	Sulfate Soundness, Magnesium or Sodium, Each \$150.00	
	Sr. Registered Engineer/Project Manager for field data review, consultation, meeting, etc. Estimate 2 weeks, 1 hr per week, Per hr \$105.00 \$210.00	CONCRETE	
	Subtotal: \$2,272.00	Compressive Strength Test, cylinders, Each \$7.00	
	Structural Wood Evaluation: (services to include periodic field evaluation of bolted and nailed connections.)	Compressive Strength Test, cubes, Each \$10.00	
	ICC Special Inspector	Compressive Strength Test, prisms, Each \$15.00	
	Estimate 1 week, 15 hrs per week, Per hr. \$55.00 \$825.00	Compressive Strength Test, cores, Each \$25.00	
	Mileage, estimate 2 trips, 80 miles per trip, Per mile \$0.60 \$96.00	Splitting Tensile Test, Each \$28.00	
	Sr. Registered Engineer/Project Manager for field data review, consultation, meeting, etc. Estimate 1 week, 1 hr per week, Per hr \$105.00 \$105.00	Beams, Flexural Strength, Each \$30.00	
	Subtotal: \$1,026.00	Modulus of Elasticity, per cylinder, Each \$65.00	
	Mechanical and Electrical Component Special Inspections:	Compressive Strength Mix Design Verification, normal weight, Each \$250.00	
	Registered Engineer: Estimate 1 trip, 6 hrs per trip, Per hr \$105.00 \$630.00	Compressive Strength mix Design Verification, lightweight, Each \$300.00	
	Mileage, estimate 1 trip, 80 miles per trip, Per mile \$0.60 \$48.00	Cylinder Cutting, per cylinder \$10.00	
	Subtotal: \$678.00	Floor Flatness and Levelness Testing (Dipstick), per square foot, includes field testing and written report (\$300.00 minimum) \$0.03	
	GRAND TOTAL: \$19,124.00	ASPHALTIC CONCRETE	
		Extraction and Gradation, Each \$155.00	
		Marshall Stability and Density, 3 pills per test, Each \$155.00	
		Reheat and Compact Sample, Each \$60.00	
		Core Density, Each \$25.00	
		FIREPROOFING	
		Density of Sprayed on Fire-Resistive Material, Each \$30.00	

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		<p>FIELD TESTING EQUIPMENT CHARGES</p> <p>Diamond Bit Usage, per inch, diameter and length \$1.75</p> <p>Generator Usage, per day \$40.00</p> <p>Coring Machine Usage, per day \$40.00</p> <p>Field Density, Nuclear Gauge, per day No Charge</p> <p>Nondestructive Steel Testing Equipment, per hour No Charge</p> <p>Windsor Probe testing, per series \$30.00</p> <p>Consumables for NDT services, per hour No Charge</p> <p>Pachometer equipment, per hour \$5.00</p> <p>Equipment rental, Cost + 15%</p> <p><u>EXHIBIT A - COST ESTIMATE</u></p> <p>EARTHWORK, SITE & UTILITY CONSTRUCTION \$2,220.00</p> <p>FOUNDATION & SLAB SUBGRADE EVALUATION \$900.00</p> <p>CONCRETE & REINFORCING STEEL EVALUATION \$2,718.00</p> <p>STRUCTURAL STEEL EVALUATION \$2,520.00</p> <p>MASONRY CONSTRUCTION INSPECTION \$1,585.00</p> <p>PAVEMENT EVALUATION \$1,570.00</p> <p>PROJECT ENGINEERING & MANAGEMENT \$800.00</p> <p>TOTAL BUDGET ESTIMATE \$12,313.00</p>	
		<p>This amount differs from what is submitted on cost estimate Exhibit A. It appears theirs a calculation error.</p>	