Summation of Bids Received QA/QC Engineering Construction Testing Services Annual Contract

			Contract			
			IFB 010-44	Contour Engineering, LLC	Goodwyn Mills Cawood (GMC)	Geo-Hydro Engineers
			Fee and Rate Schedule	Engineering, LLC	Cawood (GWC)	Engineers
			Item Description	Norcross, GA	Buford, GA	Kennesaw, GA
Line			· ·			
1.			Basic Engineering Service Rates			
Α			Engineering Services			
	1		Project Geologist, per hour	\$110.00 \$150.00	\$85.00 \$145.00	\$100.00 \$160.00
	3		Structural Engineer, P. E., per hour Geotechnical Engineer, P. E., per hour	\$150.00 \$150.00	\$145.00 \$115.00	\$160.00
	4		Environmental Engineer, P. E., per hour	\$150.00	\$115.00	\$160.00
	5		Staff Engineer, per hour	\$95.00	\$70.00	\$100.00
	6		Project Engineer / Project Manager, P. E., per hour	\$110.00	\$85.00	\$160.00
	7 8		Senior Engineer / Senior Project Manager, P. E., per hour	\$150.00 \$475.00	\$95.00	\$160.00 \$475.00
	9		Senior Engineer / Division Manager, P. E., per hour Chief Engineer / Prinicipal, P. E., per hour	\$175.00 \$225.00	\$135.00 \$145.00	\$175.00 \$200.00
	10	1	CAD Operator / Draftsperson, per hour	\$75.00	\$85.00	\$100.00
В	١.		Technician Services			
	1		Chief Engineering Technician, per hour	\$95.00	\$60.00	\$95.00
	2		Metals Technician / Inspector, per hour	\$95.00 \$65.00	\$65.00 \$50.00	\$150.00 \$80.00
	4		Concrete Technician / Inspector, per hour Soils Technician / Inspector, per hour	\$65.00 \$65.00	\$55.00 \$55.00	\$80.00
	5		Environmental Technician / Inspector, per hour	\$75.00	\$60.00	\$95.00
	6		Asphalt Technician / Inspector, per hour	\$85.00	\$60.00	\$80.00
	7		Registered Roof Observer (by the Roof Consultants Inst.), per hour	\$100.00	\$75.00	\$100.00
	8		Registered Roof Consultant, per hour General Engineering Technician / Inspector, per hour	\$175.00 \$65.00	\$85.00 \$50.00	\$150.00 \$80.00
	10	1	Certified Industrial Hygienist, per hour	\$275.00	\$65.00	\$150.00
C			Clerical Services		,	,
_			Secretarial, per hour	\$65.00	\$35.00	\$60.00
D).		Special Services, Basic Engineering Rates	At Cost (min. 4 hrs.)	At Cost	At Cost
			Total Line 1	(111111. 4 111 3.)		
2. A			Soils Field Services			
	٠.		Field density tests either by drive cylinder, sand cone nuclear gauge, per hour	\$65.00	\$55.00	\$80.00
В	.		Laboratory Services	773333	4.0.00	77777
	1		Standard Compaction Test (Method D does not include grain size)			
			Method A (4" mold), per test	\$110.00	\$100.00	\$280.00
			Method B, C, or D (6" mold), per test Standard Proctor, per test	\$110.00 \$110.00	\$100.00 \$100.00	\$280.00 \$280.00
	2		Modified Compaction Test including rough plots and grain size curves except	ψ110.00	ψ100.00	\$200.00
			on base rock. Method D does not include grain size.			
			Method A (4" mold), per test	\$125.00	\$125.00	\$350.00
			Method B, C, or D (6" mold), per test	\$125.00 \$125.00	\$125.00 \$125.00	\$350.00 \$350.00
	3	C.	Standard Proctor, per test CBR at optimum moisture content, including laboratory compaction test with	\$125.00	\$125.00	\$350.00
			plot of compaction and CBR curves, each	\$300.00	\$425.00	\$1,000.00
	4		CBR, Corps of Engineers Method, each	\$225.00	\$450.00	\$1,000.00
	5 6		Natural moisture content, each	\$25.00	\$10.00 \$85.00	\$20.00 \$120.00
	7		Atterberg limits, each Grain size, each	\$100.00 \$100.00	\$85.00 \$85.00	\$120.00
	8		Washed 200, each	\$100.00	\$75.00	\$120.00
	9		Washed 200 + Hydrometer, each	\$200.00	\$175.00	\$160.00
	10		Consolidation Test	¢500.00	£000 00	\$050.00
			Undisturbed sample, each Remolded sample, each	\$500.00 \$50.00	\$800.00 \$800.00	\$850.00 \$950.00
	11		Triaxial Shear Test	4.0.00	4	4
		a.	Pile load testing ASTM (D1153), each	\$2,500.00	\$500.00	\$0.00
			Pile Driving monitoring, per LF	\$95.00	\$10.00	\$0.00
			UU Test, each CU Test, each	\$500.00 \$600.00	\$300.00 \$1,000.00	\$330.00 \$2,500.00
			CU Test with pore pressure, each	\$900.00	\$1,300.00	\$2,500.00
			Add for remold, each	\$50.00	\$125.00	\$100.00
		g.	Unconfined compressive strength test, each	\$500.00	\$225.00	\$240.00
	12		(to calculate shear strength of soil) Permeability testing (Triaxial appartus)			
	12		Remolded, each	\$450.00	\$475.00	\$650.00
			Undisturbed, each	\$400.00	\$375.00	\$550.00
	13		Triaxial compression test, consolidated, undrained, per pt.	\$200.00	\$525.00	\$1,200.00
	14 15		California Bearing Ration (CBR), each pt.	\$225.00 \$225.00	\$135.00 \$155.00	\$350.00 \$50.00
	16		Swell Test on CBR, each Sand Equivalent Test GDT63, each	\$225.00 \$100.00	\$155.00 \$250.00	\$50.00 \$250.00
	17		Soil resistivity, each	\$100.00	\$50.00	\$300.00
			Total Line 2			
3.			Soil Cement			
Α	١.		Field Services			
_			Observation of soil cement field placement, per hour	\$75.00	\$60.00	\$80.00
В	i. 1		Laboratory Services First soil cement mixture (includes calcium absorption test on soil sample)	\$3,500.00	\$350.00	\$3,500.00
	2		Each additional cement content using same sample, add	\$1,000.00	\$50.00 \$50.00	\$1,000.00
	3		For wetting and drying tests, add for each cement content	\$1,500.00	\$50.00	\$1,250.00
			Total Line 2			
			Total Line 3	1 1		1

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4.				Asphaltic Materials			
	A.			Field Services			
		1		Observation and field testing of asphaltic concrete placement, per hour	\$75.00	\$60.00	\$80.00
		2		Two-man asphaltic concrete coring crew, including trailer and equipment, per hour	\$150.00	\$150.00	\$180.00
	В.			Laboratorio Considera Anglia Materiala and Tanta	(min. 4 hrs.)		
	Б.	1		Laboratory Services-Asphaltic Materials and Tests Asphaltic Concrete Mix Design			
		1	2	Marshall method, per design	\$1,500.00	\$200.00	\$0.00
				Hubbard-field method, per design, two inch	\$1,500.00	\$225.00	\$0.00
				Hubbard-field method, per design, six inch	\$1,500.00	\$300.00	\$0.00
		2		Bitumen content only, per test	\$200.00	\$150.00	\$250.00
		3		Bitumen and gradation of asphaltic concrete, per test	\$300.00	\$325.00	\$350.00
		4		Density, samples F.O.B. laboratory			
				Already mixed, per test	\$75.00	\$25.00	\$35.00
			b.	Not already mixed, per test	\$125.00	\$175.00	\$60.00
		5	_	Hubbard-field stability, samples F.O.B. laboratory	\$500.00	¢175.00	\$0.00
				Three specimens, two inches Three specimens, six inches	\$500.00 \$500.00	\$175.00 \$225.00	\$0.00 \$0.00
		6	υ.	Marshall Method Stability, three specimens	\$500.00	\$250.00	\$300.00
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				Total Line 4			
5.	^			Concrete and Cement			
	A.	1		Field Services Concrete quality control inspection and testing - per hour.	\$65.00	\$50.00	\$80.00
		2		Concrete quality control inspection and testing - per hour Cylinders (3 specimens per set), ASTM C-39, per set	\$45.00 \$45.00	\$30.00 \$24.00	\$60.00 \$60.00
		3		Reserve cylinders, each	\$45.00 \$15.00	\$8.00	\$20.00
		4		Inspection and testing of ready mix plants charged at the	ψ10.00	ψ0.00	Ψ20.00
				Basic Engineering rates plus testing at cost	At Cost	At Cost	At Cost
		5		Cylinders made by others shall be picked up and delivered to the laboratory			
				on a time and travel charge basis at the Basic Engineering Service Rates.			
				A charge of \$ 24.00 per case of 24 plastic cylinder molds will be accessed			
				when cylinders are made by others	At Cost	\$50.00	\$25.00
		6		Non-Destructive inspection and testing of concrete products and structures,			
				including failures and flexural testing of concrete beams shall be charged at			
				the Basic Engineering Service Rates, plus velocity attenuation equipment charged at cost	At Cost	At Cost	At Cost
		7		Concrete Coring	At Cost	At Cost	At Cost
		•	a.	Two-man crew plus machine, per hour	\$150.00	\$150.00	\$180.00
				Machine only, per hour (rental)	\$50.00	\$20.00	\$165.00
			c.	Compressive strength test, each	\$50.00	\$35.00	\$80.00
	B.			Laboratory Services			
		1		Concrete Materials		405.00	2442.00
			a.	Sieve Analysis, Dry ASTM C-136, each	\$100.00	\$85.00 \$75.00	\$140.00 \$400.00
			h	Finer than No. 200 Sieve, ASTM C-117, each	\$100.00 \$125.00	\$75.00 \$50.00	\$100.00 \$140.00
			υ.	Specific gravity, ASTM C-127 or C-126, coarse, fine, each	\$125.00	φ30.00	\$140.00
			C.	Absorption, ASTM C-127 or C-128, coarse,	\$100.00	\$125.00	\$130.00
				fine, each	\$100.00	\$130.00	\$140.00
			d.	Unit Weight, ASTMA C-29, each	\$150.00	\$75.00	\$120.00
			e.	Organic impurities (Calorimetric) ASTM C-40, each	\$50.00	\$125.00	\$130.00
				Effect of organic impurities, ASTM C-87, each	\$75.00	\$135.00	\$0.00
			_	Clay lumps in aggregate, AASHTO T-112, each	\$75.00	\$275.00	\$150.00
				Soft particles in aggregate, ASDTM C-238, each	\$75.00 \$75.00	\$275.00 \$275.00	\$150.00 \$150.00
				Friable particles in aggregate, ASTM C-142, each Abrasion (Los Angeles Rattler), ASTM C-131, each	\$75.00 \$350.00	\$275.00 \$375.00	\$150.00 \$400.00
				Preparation of sample for abrasion test, if crushed, each	\$250.00	\$75.00 \$75.00	\$0.00
				Staining Test, light weight aggregate, ASTM C-641, each	At Cost	\$200.00	\$0.00
				Loss an ignition, light weight aggregate, each	At Cost	\$75.00	\$700.00
				Sulfate soundness, Sodium or Magnesium, ASTM-88, five (5) cycle.	\$1,500.00		
				Each additional five cycles without loss determination, each	I	\$800.00	\$0.00
		_	0.	Potential Alkali Reactivity, each	\$1,500.00	\$100.00	\$0.00
		2	2	Mix Verifications Initial mix, including basis test of fine and coarse aggregate, six confirmatory			
			d.	Initial mix, including basis test of fine and coarse aggregate, six confirmatory cylinders, per mix	\$1,500.00	\$600.00	\$700.00
			b.	Additional mixes, same aggregate, six confirmatory cylinders, per mix	\$1,000.00	\$600.00	\$700.00
				Flexural strength mix, six test beams including tests of aggregate, per mix	\$1,500.00	\$750.00	\$900.00
			d.	Additional mixes, six test beams, some aggregate, per mix	\$1,000.00	\$750.00	\$900.00
				Light weight aggregate mixes, add to above, each	\$400.00	\$500.00	\$100.00
				Mix, no confirmatory tests (calculated), each	\$1,200.00	\$200.00	\$300.00
		_	g.	Mix designs, applicable hourly rates	\$75.00	\$85.00	\$100.00
		3	_	Testing of Cylinders and Beams	\$15.00	60.00	\$20.00
				Cylinders compressive strength, including curing, ASTM C-39, each Reserves, not tested, including curing, each	\$15.00 \$15.00	\$8.00 \$8.00	\$20.00 \$20.00
				Splitting Test, ASTM C-496, each	\$15.00	\$8.00 \$15.00	\$20.00 \$0.00
				Beams, per break, ASTM C-78, each	\$25.00	\$45.00	\$45.00
				Note: Engineering, consultation, evaluation and preparation of samples for			
				testing in conjunction with any above lab testing services shall be			
				charged at the Basic Engineering Services rate.			
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				Total Line 5	1 11		ı

6.	A.	1		Block, Brick, Tile, Pipe Field Services			
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				Inspection and testing manufacturer's plant, or in the field shall be charged at	At Cost	At Cost	At Cost
				Basic Engineering Service Rates plus testing at cost	At Cost	At 0001	At Cost
		2		Mortar and/or grout cubes (6 specimens per set), per set	\$120.00	\$60.00	\$100.00
	В.	-		Laboratory Services	\$120.00	Ψ00.00	\$100.00
	٥.			Concrete Masonry Units			
		1		Compressive Strength, ASTM C-140, 5 specimens, each	\$75.00	\$60.00	\$220.00
		2		Absorption and moisture content, ASTM C-140, 5 specimens, each	\$75.00	\$75.00	\$200.00
		3		Linear drying shrinkage, ASTM C-341, minimum 3 specimens, each	At Cost	\$125.00	\$0.00
		4		Concrete masonry block prism compressive strength tests, per set	\$250.00	\$75.00	\$600.00
				Total Line 6			
7.				Metals			
	A.			Field Services			
		1		Visual shop and erection inspection, including witnessing of welder's			
				qualifications shall be charged at Basic Engineering Services Rates			
		2		Radiographic, Magnetic Particle and Ultrasonic Testing Charge	1 11		
			a.	2-man radiographic crew with camera and darkroom	At Cost + 10%	\$1,275.00	\$0.00
			b.	Radiographic camera, loaded each, per hour	At Cost + 10%	\$150.00	\$0.00
			C.	Radiographic darkroom on truck, per day	At Cost + 10%	\$2,500.00	\$0.00
			d.	X-Ray machine, each, per hour	At Cost + 10%	\$175.00	\$0.00
			e.	Magnetic particle machine (dry), per hour	\$50 (equip. only)	\$100.00	\$120.00
			f.	Ultrasonic machine, per hour	\$50 (equip. only)	\$55.00	\$160.00
			g.	Thickness and corrosion measurement equipment, per hour	\$50 (equip. only)	\$95.00	\$160.00
		3		Physical and Mechanical Properties Testing			
			a.	Tensile test apparent yield and ultimate strength, initial sample	At Cost + 10%	\$95.00	\$200.00
			b.	Guided Bend Test, each	At Cost + 10%	\$90.00	\$200.00
				Total Line 7			
8.				Non-Destructive Structural / Materials Evaluation			
	A.			Fabrication / Erection Evaluation: Evaluation of any or all of the following			
				as established by project specification: dimensional tolerance, material			
				certifications, welds by visual techniques, welding procedures, welder /			
				weld operator, certifications, paint thickness, material storage conditions,			
				column alignment, elevation verifications, bolt hole alignments and bolt			
				torque, weld by visual techniques, steel decking, prime touch up			
				and/or final painting		***	2475.00
		1		AS / ASNT Senior Level Certified Technician, per hour	\$200.00	\$95.00	\$175.00
		2		AWS / ASNT Certified Technician, per hour	\$125.00 \$150.00	\$85.00	\$160.00 \$160.00
		3		ASNT Level I Technician, per hour	\$150.00 \$100.00	\$95.00 \$75.00	\$160.00 \$130.00
	В.	4		ASNT Level I Technician, per hour	\$100.00	φ <i>1</i> ο.υυ	\$130.00
	В.	1		Field Non-Destructive Testing-by ASNT Level II Technician	\$150.00	\$85.00	\$130.00
		2		Visible dye or fluorescent penetrant, per hour	\$150.00 \$150.00	\$85.00 \$85.00	\$130.00 \$130.00
		3		Magnetic particle-wet or dry, per hour	\$150.00 \$150.00	\$85.00 \$95.00	\$130.00 \$160.00
		4		Ultrasonic testing, per hour	\$150.00 \$50.00	\$95.00 \$5.00	\$160.00 \$140.00
		5		Ultrasonic equipment charge, per hour	\$50.00 At Cost + 10%	\$5.00 \$95.00	\$140.00 \$160.00
		6		Eddy current testing, per hour Eddy current equipment charge, per hour	At Cost + 10% At Cost + 10%	\$95.00 \$15.00	\$160.00
		7		X or Gamma Radiography (Iridium 192), per hour, per crew	At Cost + 10% At Cost + 10%	\$15.00 \$250.00	\$140.00
		8		9 1 2 1	At Cost + 10% At Cost + 10%	\$250.00 \$350.00	\$0.00 \$0.00
		9		Gamma Radiography (Cobalt 60) per hour, per crew	At Cost + 10%	დაას.სს	φυ.υυ
		9		Ground Penetrating Radar	\$300.00	\$800.00	\$800.00
				Minimum rate 1/2 day rate (4 hours), per hour	\$300.00 \$300.00	\$800.00 \$1,200.00	\$800.00 \$1,500.00
				Minimum daily rate (8 hours), per hour	\$300.00 \$300.00	\$1,200.00 \$50.00	\$1,500.00
		10		Supplemental rate, per hour Seismic refraction, per hour	\$300.00 At Cost + 10%	\$50.00 \$175.00	\$200.00 \$160.00

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	11	Laboratory Services			
		Liquid penetrant, per hour	\$90.00	\$85.00	\$110.00
	- 1	b. Magnetic particle, per hour	\$90.00	\$85.00	\$110.00
		c. Rockwell testing, per set	At Cost + 10%	\$135.00	\$130.00
	(d. Guided bend test, each	At Cost + 10%	\$85.00	\$130.00
		e. Tensile test, each	At Cost + 10%	\$85.00	\$130.00
		f. Machine charges, each	At Cost + 10%	\$95.00	\$100.00
	12	Radiographic welder coupon			
		a. Plant, each	\$125.00	\$95.00	\$200.00
	- 1	b. Pipe, each	\$150.00	\$95.00	\$200.00
	13	Welding procedure qualifications			
		a. ASME, each	\$1,200.00	\$450.00	\$300.00
	- 1	b. AWS, each	\$1,000.00	\$175.00	\$300.00
	14	Ultrasonic testing, per hour	\$150.00	\$95.00	\$160.00
	15	Equipment charge for ultrasonic testing, per day	\$0.00	\$5.00	\$140.00
	16	Eddy current testing, per hour	At Cost + 10%	\$115.00	\$160.00
	17	Equipment charge for eddy current testing, per day	At Cost + 10%	\$5.00	\$140.00
	18	X or Gamma Radiography			
		a. ASNT Level III, per hour	At Cost + 10%	\$125.00	\$250.00
	- 1	b. Materials Engineer, per hour	At Cost + 10%	\$135.00	\$175.00
		c. Materials Consultant, per hour	At Cost + 10%	\$145.00	\$175.00
		d. Mobile darkroom mileage, per mile	At Cost + 10%	\$0.85	\$0.00
		e. Radiographic film, current market price plus (Not to exceed 5%)	At Cost + 10%	5%	5%
		f. Special transducers required, cost plus (Not to exceed 5%)	At Cost + 10%	5%	5%
		g. Special probes, cost plus (Not to exceed 5%)	At Cost + 10%	5%	5%
	19	ASTM D 2938-Unconfined compressive (PSI), each	\$250.00	5%	\$240.00
	20	L.A. Abrasives (ASTM C 131), each	\$400.00	\$375.00	\$400.00
	21	L.A. Abrasives (ASTM C 535), each	\$400.00	\$375.00	\$400.00
	22	Fireproofing thickness, per hour	\$80.00	\$85.00	\$100.00
	23	Torque wrench / rebound hammer charge, per day	\$100 (equipment)	\$150.00	\$160.00
	24	Floor flatness (F-Meter) charge, per day	\$100 (equipment)	\$175.00	\$160.00
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		Total Line 8			
9.		Roofing			
A.		Field Services			
		Roofing installation inspection and project meetings shall			
		be charged at Basic Engineering Services Rates			
B.		Laboratory Services			
		Roofing Materials			
	1	Dissection, including total weight, number plies, interply bitumen,			
		top bitumen, aggregate weight and diagramming, per sample			
		top bitumen, aggregate weight and diagramming, per sample a. With aggregates (asphalt or coal tar)	\$75.00	\$175.00	\$0.00
		a. With aggregates, (asphalt or coal tar)	\$75.00 \$75.00	\$175.00 \$150.00	\$0.00 \$0.00
	- 1	With aggregates, (asphalt or coal tar) Without aggregates	\$75.00	\$150.00	\$0.00
		With aggregates, (asphalt or coal tar) Without aggregates Trimming sample to proper size	\$75.00 \$30.00	\$150.00 \$50.00	\$0.00 \$0.00
	1	With aggregates, (asphalt or coal tar) Without aggregates Trimming sample to proper size Diagramming only	\$75.00 \$30.00 \$50.00	\$150.00 \$50.00 \$75.00	\$0.00 \$0.00 \$0.00
	2	With aggregates, (asphalt or coal tar) Without aggregates Trimming sample to proper size Diagramming only Moisture Contents of felts, ASTM D-95, per sample	\$75.00 \$30.00 \$50.00 \$155.00	\$150.00 \$50.00 \$75.00 \$75.00	\$0.00 \$0.00 \$0.00 \$0.00
	2 3	With aggregates, (asphalt or coal tar) Without aggregates Trimming sample to proper size Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00
	2	With aggregates, (asphalt or coal tar) Without aggregates Trimming sample to proper size Diagramming only Moisture Contents of felts, ASTM D-95, per sample	\$75.00 \$30.00 \$50.00 \$155.00	\$150.00 \$50.00 \$75.00 \$75.00	\$0.00 \$0.00 \$0.00 \$0.00
	2 3	With aggregates, (asphalt or coal tar) Without aggregates Trimming sample to proper size Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00
	2 3	With aggregates, (asphalt or coal tar) Without aggregates Trimming sample to proper size Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00
10.	2 3	With aggregates, (asphalt or coal tar) Without aggregates Trimming sample to proper size Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00
	2 3	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00
10. A.	2 3	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00
	2 3 4	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
	2 3 4	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
A.	2 3 4	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
A.	2 3 4	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
A. B.	2 3 4	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$600.00 \$600.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$750.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00
A.	2 3 4	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$600.00 \$600.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$750.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00
A. B.	2 3 4	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Soil test boring with standard penetration resistance 0-50 feet, per LF	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$600.00 \$600.00 \$12.00 \$15.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$750.00 \$13.50	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$12.00 \$15.00
A. B.	2 2 3 4	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$600.00 \$600.00 \$12.00 \$15.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$12.00 \$13.50	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$12.00 \$15.00
A. B. C.	2 2 3 4	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Soil test boring with standard penetration resistance 0-50 feet, per LF	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$125.00 \$600.00 \$600.00 \$15.00 \$15.00 \$17.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$750.00 \$12.00 \$13.50 \$15.50 \$17.50	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$12.00 \$15.00 \$15.00
A. B. C.	2 2 3 4	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Soil test boring with standard penetration resistance 0-50 feet, per LF Greater than 50 feet, per LF Greater than 50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$600.00 \$600.00 \$12.00 \$15.00 \$17.00 \$100.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$750.00 \$13.50 \$15.50 \$17.50 \$75.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$15.00 \$15.00 \$18.00 \$120.00
A. B. C. D. E.	2 2 3 4	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Soil test boring with standard penetration resistance 0-50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each Piston Samples (3"), each Setting and removing casing for rock coring, per LF	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$600.00 \$600.00 \$15.00 \$15.00 \$17.00 \$100.00 \$250.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$12.00 \$13.50 \$17.50 \$775.00 \$15.50 \$17.50	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$12.00 \$15.00 \$18.00 \$120.00 \$200.00
A. B. C. D. E. F.	2 2 3 4	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Soil test boring with standard penetration resistance 0-50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each Piston Samples (3"), each	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$600.00 \$600.00 \$12.00 \$15.00 \$17.00 \$17.00 \$17.00 \$7.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$12.00 \$13.50 \$17.50 \$775.00 \$15.50 \$17.50	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$15.00 \$15.00 \$15.00 \$120.00 \$120.00 \$15.00
A. B. C. D. E. F.	1 2 1 2 1 2	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Soil test boring with standard penetration resistance 0-50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each Piston Samples (3"), each Setting and removing casing for rock coring, per LF NX or NQ rock coring with report of rock quality designation and percent recovery	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$600.00 \$600.00 \$15.00 \$15.00 \$17.00 \$100.00 \$250.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$12.00 \$13.50 \$17.50 \$75.00 \$11.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$15.00 \$15.00 \$15.00 \$15.00 \$15.00 \$15.00 \$15.00
A. B. C. D. E. F. G.	1 2 3 4 1 2 1 2 1 1 2	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Soil test boring with standard penetration resistance 0-50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each Piston Samples (3"), each Setting and removing casing for rock coring, per LF NX or NQ rock coring with report of rock quality designation and percent recovery 0-50 feet, per LF Greater than 50 feet, per LF	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$600.00 \$600.00 \$12.00 \$15.00 \$17.00 \$100.00 \$250.00 \$7.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$750.00 \$13.50 \$17.50 \$17.50 \$150.00 \$150.00 \$11.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$12.00 \$15.00 \$15.00 \$120.00 \$15.00
A. B. C. D. E. F.	1 2 3 4 1 2 1 2 1 1 2	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Soil test boring with standard penetration resistance 0-50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each Piston Samples (3"), each Piston Samples (3"), each Setting and removing casing for rock coring, per LF NX or NX or Cock coring with report of rock quality designation and percent recovery 0-50 feet, per LF	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$125.00 \$12.00 \$15.00 \$15.00 \$17.00 \$100.00 \$250.00 \$7.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$12.00 \$13.50 \$17.50 \$17.50 \$17.50 \$150.00 \$11.00 \$60.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$15.00 \$15.00 \$15.00 \$15.00 \$15.00 \$15.00 \$15.00
A. B. C. D. E. F. G.	1 2 1 2 1 2	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Soil test boring with standard penetration resistance 0-50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each Piston Samples (3"), each Setting and removing casing for rock coring, per LF NX or NQ rock coring with report of rock quality designation and percent recovery 0-50 feet, per LF Greater than 50 feet, per LF Difficult moving, water hauling, per hour Direct Push (includes collection of ground water and soil samples)	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$125.00 \$12.00 \$15.00 \$15.00 \$17.00 \$100.00 \$250.00 \$7.00 \$52.00 \$62.00 \$200.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$12.00 \$13.50 \$17.50 \$17.50 \$150.00 \$11.00 \$60.00 \$70.00 \$300.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$15.00 \$15.00 \$15.00 \$120.00 \$200.00 \$15.00 \$90.00 \$300.00
A. B. C. D. E. F. G.	1 2 3 4 1 2 1 2 1 1 2	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Truck mounted, each Soil test poring 0-50 feet, per LF Greater than 50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each Piston Samples (3"), each Setting and removing casing for rock coring, per LF NX or NQ rock coring with report of rock quality designation and percent recovery 0-50 feet, per LF Greater than 50 feet, per LF Difficult moving, water hauling, per hour	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$600.00 \$600.00 \$12.00 \$15.00 \$17.00 \$100.00 \$250.00 \$7.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$750.00 \$13.50 \$17.50 \$17.50 \$150.00 \$150.00 \$110.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$12.00 \$15.00 \$15.00 \$120.00 \$15.00
A. B. C. D. E. F. G.	1 2 1 2 1 2 1 2	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Soil test boring with standard penetration resistance 0-50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each Piston Samples (3"), each Setting and removing casing for rock coring, per LF NX or NQ rock coring with report of rock quality designation and percent recovery 0-50 feet, per LF Greater than 50 feet, per LF Difficult moving, water hauling, per hour Direct Push (includes collection of ground water and soil samples) Minimum rate 1/2 day rate (4 hours), per hour Minimum daily rate (8 hours), per hour	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$125.00 \$12.00 \$15.00 \$17.00 \$17.00 \$17.00 \$17.00 \$250.00 \$7.00 \$52.00 \$62.00 \$200.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$750.00 \$13.50 \$15.50 \$17.50 \$15.00 \$150.00 \$150.00 \$17.00 \$150.00 \$150.00 \$150.00 \$150.00 \$150.00 \$150.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$12.00 \$15.00 \$15.00 \$120.00 \$200.00 \$15.00 \$90.00 \$120.00 \$300.00 \$4,000.00 \$5,000.00
A. B. C. D. E. F. G.	1 2 1 2 1 2 1 2	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Soil test boring with standard penetration resistance 0-50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each Piston Samples (3"), each Setting and removing casing for rock coring, per LF NX or NQ rock coring with report of rock quality designation and percent recovery 0-50 feet, per LF Greater than 50 feet, per LF Difficult moving, water hauling, per hour Direct Push (includes collection of ground water and soil samples) Minimum rate 1/2 day rate (4 hours), per hour Minimum daily rate (8 hours), per hour Supplemental rate, per hour	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$125.00 \$12.00 \$15.00 \$15.00 \$17.00 \$100.00 \$250.00 \$7.00 \$52.00 \$200.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00 \$12.00 \$13.50 \$17.50 \$17.50 \$17.50 \$150.00 \$11.00 \$60.00 \$300.00 \$1,400.00 \$2,800.00 \$300.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$15.00 \$15.00 \$15.00 \$120.00 \$200.00 \$15.00 \$120.00 \$300.00 \$4,000.00 \$5,000.00 \$300.00
A. B. C. D. E. F. G.	1 2 1 2 1 2 1 2	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Soil test boring with standard penetration resistance 0-50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each Piston Samples (3"), each Piston Samples (3"), each Piston Samples (3") feet, per LF Greater than 50 feet, per LF Drifciult moving, water hauling, per hour Direct Push (includes collection of ground water and soil samples) Minimum rate 1/2 day rate (4 hours), per hour Supplemental rate, per hour Dozer Rental for clearing access to boring locations and moving drill rig, per day	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$125.00 \$12.00 \$15.00 \$15.00 \$17.00 \$100.00 \$250.00 \$7.00 \$220.00 \$200.00 \$300.00 \$300.00 \$300.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00 \$150.00 \$12.00 \$13.50 \$17.50 \$17.50 \$17.50 \$150.00 \$11.00 \$300.00 \$300.00 \$300.00 \$2,800.00 \$300.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$15.00 \$15.00 \$120.00 \$120.00 \$15.00 \$10.00 \$300.00 \$5,000.00 \$300.00 \$2,500.00
A. B. C. D. E. F. G. H. I.	1 2 1 2 1 2 1 2	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Soil test boring with standard penetration resistance 0-50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each Piston Samples (3"), each Setting and removing casing for rock coring, per LF NX or NQ rock coring with report of rock quality designation and percent recovery 0-50 feet, per LF Greater than 50 feet, per LF Unificult moving, water hauling, per hour Direct Push (includes collection of ground water and soil samples) Minimum rate 1/2 day rate (4 hours), per hour Supplemental rate, per hour Dozer Rental for clearing access to boring locations and moving drill rig, per day Water Tank, per day	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$125.00 \$12.00 \$15.00 \$15.00 \$17.00 \$100.00 \$250.00 \$7.00 \$52.00 \$200.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00 \$12.00 \$13.50 \$17.50 \$17.50 \$17.50 \$150.00 \$11.00 \$60.00 \$300.00 \$1,400.00 \$2,800.00 \$300.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$15.00 \$15.00 \$15.00 \$120.00 \$200.00 \$15.00 \$120.00 \$300.00 \$4,000.00 \$5,000.00 \$300.00
A. B. C. D. E. F. G.	1 2 1 2 1 2 1 2	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Soil test boring with standard penetration resistance 0-50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each Setting and removing casing for rock coring, per LF NX or NQ rock coring with report of rock quality designation and percent recovery 0-50 feet, per LF Greater than 50 feet, per LF Difficult moving, water hauling, per hour Direct Push (includes collection of ground water and soil samples) Minimum rate 1/2 day rate (4 hours), per hour Supplemental rate, per hour Dozer Rental for clearing access to boring locations and moving drill rig, per day Water Tank, per day Piezometer, backfilled with cuttings, non-grouted	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$125.00 \$125.00 \$15.00 \$15.00 \$17.00 \$100.00 \$250.00 \$7.00 \$52.00 \$200.00 \$1,800.00 \$2,500.00 \$2,500.00 \$2,500.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$12.00 \$13.50 \$15.50 \$17.50 \$150.00 \$11.00 \$60.00 \$70.00 \$300.00 \$2,800.00 \$300.00 \$2,500.00 \$500.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$15.00 \$15.00 \$120.00 \$200.00 \$15.00 \$90.00 \$120.00 \$300.00 \$300.00 \$2,500.00 \$250.00
A. B. C. D. E. F. G. H. I.	1 2 1 2 1 2 1 2	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Woisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Soil test boring with standard penetration resistance 0-50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each Piston Samples (3"), each Piston Samples (3"), each Setting and removing casing for rock coring, per LF NX or NQ rock coring with report of rock quality designation and percent recovery 0-50 feet, per LF Greater than 50 feet, per LF Difficult moving, water hauling, per hour Direct Push (includes collection of ground water and soil samples) Minimum rate 1/2 day rate (4 hours), per hour Supplemental rate, per hour Dozer Rental for clearing access to boring locations and moving drill rig, per day Water Tank, per day Piezometer, backfilled with cuttings, non-grouted for water level measurements, per LF	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$125.00 \$12.00 \$15.00 \$15.00 \$17.00 \$100.00 \$250.00 \$7.00 \$62.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$12.00 \$13.50 \$17.50 \$17.50 \$17.50 \$11.00 \$300.00 \$300.00 \$2,800.00 \$300.00 \$2,500.00 \$150.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$15.00 \$15.00 \$15.00 \$120.00 \$120.00 \$120.00 \$300.00 \$300.00 \$5,000.00 \$5,000.00 \$250.00
A. B. C. D. E. F. G. H. I.	1 2 1 2 1 2 1 2	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each Piston Samples (3"), each Piston Samples (3"), each Setting and removing casing for rock coring, per LF NX or NQ rock coring with report of rock quality designation and percent recovery 0-50 feet, per LF Greater than 50 feet, per LF Difficult moving, water hauling, per hour Direct Push (includes collection of ground water and soil samples) Minimum rate 1/2 day rate (4 hours), per hour Supplemental rate, per hour Dozer Rental for clearing access to boring locations and moving drill rig, per day Water Tank, per day Piezometer, backfilled with cuttings, non-grouted for water level measurements, per LF Premium for sand pack and bentonite seal of piezometer, each	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$125.00 \$125.00 \$15.00 \$15.00 \$17.00 \$100.00 \$250.00 \$7.00 \$52.00 \$62.00 \$200.00 \$300.00 \$2,500.00 \$2,500.00 \$2,500.00 \$2,500.00 \$2,500.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$12.00 \$13.50 \$15.50 \$17.50 \$17.50 \$150.00 \$11.00 \$60.00 \$70.00 \$300.00 \$2,800.00 \$2,500.00 \$500.00 \$15.00 \$15.00 \$25.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$15.00 \$15.00 \$120.00 \$120.00 \$200.00 \$300.00 \$300.00 \$2,500.00 \$250.00 \$0.00
A. B. C. D. E. F. G. H. I.	1 2 1 2 1 2 1 2	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Contents of sagregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Soil test boring with standard penetration resistance 0-50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each Piston Samples (3"), each Setting and removing casing for rock coring, per LF NX or NQ rock coring with report of rock quality designation and percent recovery 0-50 feet, per LF Greater than 50 feet, per LF Difficult moving, water hauling, per hour Direct Push (includes collection of ground water and soil samples) Minimum rate 1/2 day rate (4 hours), per hour Minimum daily rate (8 hours), per hour Dozer Rental for clearing access to boring locations and moving drill rig, per day Water Tank, per day Piezometer, backfilled with cuttings, non-grouted for water level measurements, per LF Premium for sand pack and bentonite seal of piezometer, each Grout seal boreholes (\$ 50.00 min. per borehole), per LF	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$125.00 \$12.00 \$15.00 \$17.00 \$17.00 \$17.00 \$17.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$2,500.00 \$2,500.00 \$2,500.00 \$2,500.00 \$2,500.00 \$2,500.00 \$2,500.00 \$10.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$12.00 \$13.50 \$17.50 \$17.50 \$15.00 \$150.00 \$11.00 \$60.00 \$70.00 \$300.00 \$2,800.00 \$500.00 \$500.00 \$15.00 \$15.00 \$15.00 \$10.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$15.00 \$15.00 \$15.00 \$120.00 \$200.00 \$120.00 \$200.00 \$120.00 \$300.00 \$4,000.00 \$300.00 \$2,500.00 \$250.00 \$40.00 \$15.00
A. B. C. D. E. F. G. H. I. M. N.	1 2 1 2 1 2 1 2	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Content of aggregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each Piston Samples (3"), each Piston Samples (3"), each Setting and removing casing for rock coring, per LF NX or NQ rock coring with report of rock quality designation and percent recovery 0-50 feet, per LF Greater than 50 feet, per LF Difficult moving, water hauling, per hour Direct Push (includes collection of ground water and soil samples) Minimum rate 1/2 day rate (4 hours), per hour Supplemental rate, per hour Dozer Rental for clearing access to boring locations and moving drill rig, per day Water Tank, per day Piezometer, backfilled with cuttings, non-grouted for water level measurements, per LF Premium for sand pack and bentonite seal of piezometer, each	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$125.00 \$125.00 \$15.00 \$15.00 \$17.00 \$100.00 \$250.00 \$7.00 \$52.00 \$62.00 \$200.00 \$300.00 \$2,500.00 \$2,500.00 \$2,500.00 \$2,500.00 \$2,500.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$12.00 \$13.50 \$15.50 \$17.50 \$17.50 \$150.00 \$11.00 \$60.00 \$70.00 \$300.00 \$2,800.00 \$2,500.00 \$500.00 \$15.00 \$15.00 \$25.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$15.00 \$15.00 \$120.00 \$120.00 \$200.00 \$300.00 \$300.00 \$2,500.00 \$250.00 \$0.00
A. B. C. D. E. F. G. H. I. M. N.	1 2 1 2 1 2 1 2	a. With aggregates, (asphalt or coal tar) b. Without aggregates c. Trimming sample to proper size d. Diagramming only Moisture Contents of felts, ASTM D-95, per sample Unit Weight of felts, ASTM C-461, per sample Moisture Contents of sagregate, ASTM D-18864, per sample Total Line 9 Drilling Services Mobilization and demobilization of rig All terrain mounted, each Truck mounted, each Auger Boring 0-50 feet, per LF Greater than 50 feet, per LF Soil test boring with standard penetration resistance 0-50 feet, per LF Greater than 50 feet, per LF Undisturbed sample (3"), each Piston Samples (3"), each Setting and removing casing for rock coring, per LF NX or NQ rock coring with report of rock quality designation and percent recovery 0-50 feet, per LF Greater than 50 feet, per LF Difficult moving, water hauling, per hour Direct Push (includes collection of ground water and soil samples) Minimum rate 1/2 day rate (4 hours), per hour Minimum daily rate (8 hours), per hour Dozer Rental for clearing access to boring locations and moving drill rig, per day Water Tank, per day Piezometer, backfilled with cuttings, non-grouted for water level measurements, per LF Premium for sand pack and bentonite seal of piezometer, each Grout seal boreholes (\$ 50.00 min. per borehole), per LF	\$75.00 \$30.00 \$50.00 \$155.00 \$125.00 \$125.00 \$125.00 \$125.00 \$12.00 \$15.00 \$17.00 \$17.00 \$17.00 \$17.00 \$250.00 \$250.00 \$250.00 \$250.00 \$250.00 \$2,500.00 \$2,500.00 \$2,500.00 \$2,500.00 \$2,500.00 \$2,500.00 \$2,500.00 \$10.00	\$150.00 \$50.00 \$75.00 \$75.00 \$75.00 \$75.00 \$75.00 \$750.00 \$12.00 \$13.50 \$17.50 \$17.50 \$15.00 \$150.00 \$11.00 \$60.00 \$70.00 \$300.00 \$2,800.00 \$500.00 \$500.00 \$15.00 \$15.00 \$15.00 \$10.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1,000.00 \$900.00 \$15.00 \$15.00 \$15.00 \$120.00 \$200.00 \$120.00 \$200.00 \$120.00 \$300.00 \$4,000.00 \$300.00 \$2,500.00 \$250.00 \$40.00 \$15.00

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11.	Environmental Services			
Α.	Water / NPDES Monitoring			
1	Comprehensive Monitoring Plan, (CMP), LS	\$1,000,00	TBD	\$0.00
2	Monthly NPDES service (includes weekly inspection / sampling), per month	\$2,000.00	\$375.00	\$1,200.00
3	Automated sampler rental, per sampler, per month	\$500.00	\$125.00	\$0.00
4	Testing turbidity of water - GSP 20, per test	\$40.00	\$25.00	\$40.00
5	Testing Turbidity of water - GDT 109, per test	\$40.00	\$35.00	\$40.00
6	Erosion control report, each	\$250.00	\$75.00	\$80.00
7	pH test, per test	\$40.00	\$45.00	\$20.00
8	Chloride / sulfate test, per test	\$100.00	\$75.00	\$40.00
9	Monthly NPDES report to EPD, each	\$250.00	\$75.00	\$150.00
В.	Asbestos Testing	V =20000	7	*******
	Testing of asbestos in accordance with 1985 edition (purple book)			
	EPA Guidance for controlling Asbestos Materials in Buildings			
	EPA Method 560 / 5-85-024, per test	10/sample	\$20.00	\$15.00
C.	Chemical / Hydrocarbon Testing		7=1111	******
1	Subsurface chemical testing for Total Petroleum			
	Hydrocarbon (TPH), each	65/sample	\$65.00	\$100.00
2	Subsurface chemical testing for Total Petroleum		•	·
	Benzene Toluene Ethyl Xylene (BTEX), each	55/sample	\$55.00	\$100.00
3	Subsurface chemical testing for Total Petroleum	•	•	
	Polynuclear Aromatic Hydrocarbon (PAH)	80/sample	\$115.00	\$100.00
	, , , , , , , , , , , , , , , , , , , ,		,	,
	Total Line 11			
12.	Traffic Control and Equipment Rental			
A.	Cones, barriers and signage, per day	\$2,000.00	\$2,000.00	\$500.00
B.	Flagman, per hour	\$65.00	\$50.00	\$65.00
C.	Heavy Equipment rentals to include operator and			
	transportation to and from site, cost plus	10%	15%	15%
	Minimum On-Site Charge for Field Services	\$0.00	\$0.00	\$0.00
	Total Line 12			
	Total Bid			

					United Consulting	ECS Southeast LLC
Line				Item Description	Norcross, GA	Marietta, GA
1.				Basic Engineering Service Rates		
	A.			Engineering Services		
		1		Project Geologist, per hour	\$180.00	\$70.00
		2		Structural Engineer, P. E., per hour	\$180.00	\$125.00
		3 4		Geotechnical Engineer, P. E., per hour	\$180.00 \$180.00	\$80.00
		5		Environmental Engineer, P. E., per hour Staff Engineer, per hour	\$180.00 \$135.00	\$85.00 \$80.00
		6		Project Engineer / Project Manager, P. E., per hour	\$180.00	\$100.00
		7		Senior Engineer / Senior Project Manager, P. E., per hour	\$210.00	\$100.00
		8		Senior Engineer / Division Manager, P. E., per hour	\$215.00	\$130.00
		9		Chief Engineer / Prinicipal, P. E., per hour	\$265.00	\$160.00
		10		CAD Operator / Draftsperson, per hour	\$105.00	\$50.00
	B.			Technician Services		
		1		Chief Engineering Technician, per hour	\$110.00	\$75.00
		2		Metals Technician / Inspector, per hour	\$110.00 \$75.00	\$75.00
		3 4		Concrete Technician / Inspector, per hour	\$75.00 \$75.00	\$60.00 \$65.00
		5		Soils Technician / Inspector, per hour Environmental Technician / Inspector, per hour	\$75.00 \$75.00	\$65.00
		6		Asphalt Technician / Inspector, per hour	\$95.00	\$60.00
		7		Registered Roof Observer (by the Roof Consultants Inst.), per hour	\$180.00	\$100.00
		8		Registered Roof Consultant, per hour	\$180.00	\$80.00
		9		General Engineering Technician / Inspector, per hour	\$110.00	\$55.00
		10		Certified Industrial Hygienist, per hour	\$180.00	\$150.00
	C.			Clerical Services		
				Secretarial, per hour	\$70.00	\$55.00
	D.			Special Services, Basic Engineering Rates	At Cost	At Cost
				Total Line 1		
				Total Line 1		
2.				Soils		
	A.			Field Services	4== 00	455.00
	_			Field density tests either by drive cylinder, sand cone nuclear gauge, per hour	\$75.00	\$55.00
	B.			Laboratory Services		
		1	_	Standard Compaction Test (Method D does not include grain size)	¢125.00	¢05.00
				Method A (4" mold), per test Method B, C, or D (6" mold), per test	\$135.00 \$135.00	\$95.00 \$95.00
				Standard Proctor, per test	\$135.00	\$95.00
		2	٥.	Modified Compaction Test including rough plots and grain size curves except	V.00.00	400.00
		_		on base rock. Method D does not include grain size.		
			a.	Method A (4" mold), per test	\$160.00	\$95.00
			b.	Method B, C, or D (6" mold), per test	\$160.00	\$95.00
			c.	Standard Proctor, per test	\$160.00	\$95.00
		3		CBR at optimum moisture content, including laboratory compaction test with		
				plot of compaction and CBR curves, each	\$620.00	\$200.00
		4		CBR, Corps of Engineers Method, each	\$620.00	\$500.00
		5		Natural moisture content, each	\$22.00	\$12.00
		6		Atterberg limits, each	\$95.00	\$70.00
		7		Grain size, each	\$160.00 \$140.00	\$65.00 \$45.00
		8 9		Washed 200, each Washed 200 + Hydrometer, each	\$140.00 \$160.00	\$45.00 \$100.00
		10		Consolidation Test	φ100.00	\$100.00
			a.	Undisturbed sample, each	\$620.00	\$600.00
				Remolded sample, each	\$710.00	\$160.00
		11		Triaxial Shear Test	1	
			a.	Pile load testing ASTM (D1153), each	\$170.00	\$1,700.00
			b.	Pile Driving monitoring, per LF	\$67.00	\$990.00
				UU Test, each	\$310.00	\$220.00
				CU Test, each	\$1,055.00	\$990.00
				CU Test with pore pressure, each	\$1,055.00	\$990.00
				Add for remold, each	\$100.00 \$45.00	\$50.00
			g.	Unconfined compressive strength test, each	\$45.00	\$80.00
		12		(to calculate shear strength of soil) Permeability testing (Triaxial appartus)		
			a.	Remolded, each	\$425.00	\$300.00
				Undisturbed, each	\$325.00	\$275.00
		13		Triaxial compression test, consolidated, undrained, per pt.	\$1,055.00	\$325.00
		14		California Bearing Ration (CBR), each pt.	\$170.00	\$175.00
		15		Swell Test on CBR, each	\$22.00	\$50.00
		16		Sand Equivalent Test GDT63, each	\$230.00	\$75.00
		17		Soil resistivity, each	\$160.00	\$70.00
				Total Line 2		
3.				Soil Cement		
	A.			Field Services		
				Observation of soil cement field placement, per hour	\$55.00	\$55.00

Laboratory Services 1							
2		B.	4			\$4.055.00	¢500.00
Section						· ·	
4. Asphaltic Naterrals A. Field Services A. Field Services A. Field Services A. Field Services A. Control on the Control of Control					• • •		
4. Apparatic Materials A. Field Services 1. Observation and field testing of asphalace concrete placement, per hour 2. Two-man apparatic concrete coning new, rolating traiter and equipment, per hour 3130.00 5150.00					3 , 3 ,	,	
Field Services S85.00 \$150.00					Total Line 3		
Conservation and field testing of asyphatic concrete piacements, per hour	4.				•		
2 Two-man angibatic concrete comp crows, including trailer and equipment, per hour		A.				*05.00	* FF 00
B. Laboratory Services-Auphalic Materials and Teets						•	
Apparatic Concrete No Design Si 15,00 Si 100,00 D. Hubbard-feel method, per design, two inch Si 24,00 Si 25,00 Si 25,0			-		Two man aspirated controlle coming from, including trainer and equipment, per nour	\$100.00	ψ100.00
a. Alternatival method, per design, see inch D. Hubbrard-field method, per design, see inch C. Hubbrard-field method, per design, see inch S 285,00 S 8150,00 S 9150,00 S 9150,00 S 9100,00 S		B.			Laboratory Services-Asphaltic Materials and Tests		
b. Hubbard-field method, per design, as inch 1			1		· ·	4445.00	
. I Hubbard-field remthod, per design, six inch 2 Billamen and gradition of asphaltic concrete, per test 3 Bitumen and gradition of asphaltic concrete, per test 4 Density, samples F.O. Bibboratory 5 A. Priesdy, mixed, per test 5 D. Not already mixed, per test 5 Hubbard-field stability, samples F.O.B. lisboratory 5 These specimens, but more brinches 6 Total Line 4 6 Marshalt Method Stability, three specimens 7 Total Line 4 7 Field Services 7 Total Line 4 7 Field Services 8 Total Line 4 7 Field Services 8 Total Line 4 7 Field Services 9 Total Line 4 7 Field Services 1 Concrete quality control inspection and testing - per hour 2 Cylindris Gasporimen per ser), ASTIM C-39, per set 9 SS0.00 9 S45.00 9 S55.00 9 S45.00 9 S46.00 9 S10.00 9 S46.00 9 S46.00 9 S10.00 9 S46.00 9 S46.00 9 S10.00 9 S46.00							
2 Bitumen content only, per test 3185.00 3200.00							
a. Already mixed, per test b. Not already mixed, per test common to the per test common to			2				
a. Already mixed, per test 5. No In already mixed, per test 5. Hubbased-field stability, samples F.O.B. laboratory 5. There specimens, so inches 6. There specimens, so inches 7. Total Line 4 5. Concrete and Cement 7. Field Sancies. 7. Concrete and Cement 8. Field Sancies. 8. Field Sancies. 8. Field Sancies. 8. Field Sancies. 9. Concrete and Cement 9. Field Sancies. 9. Sancie			3		Bitumen and gradation of asphaltic concrete, per test	\$185.00	\$200.00
b. Not arready maked, per test 5 Hickboard-field stability, surprise F.O.B. laboratory a. Three specimens, two inches b. Three specimens, two inches 5. Total Line 4 5. Concrete and Cornent A. Field Services 1 Concrete and Cornent A. Field Services 2 Cylinders (Septimens) 3 Total Line 4 5. Concrete and Cornent A. Field Services 3 Reservice (pulled), such a service (septimens) 4 Inspection and testing of ready into plants charged at the Basic Engineering strate plant testing at cost in Inspection and testing of per hour 5 Cylinders (septimens) per set), ASTM C-30, per set 5 Cylinders make by others shall be placked up and delivered to the laboratory on a time and strood enables beats in the Basic Engineering Service Rates. A charge of \$2.40 per case of 24 plastic of pinder modes will be accessed when cylinders, each will be provided at the Basic Engineering Service Rates, plus velocity attenuation equipment charged at the Basic Engineering Service Rates, plus velocity attenuation equipment charged at the Basic Engineering Service Rates, plus velocity attenuation equipment charged at cost to Concrete Corling a. Two-man crew plus machine, per hour b. Mechine only, per hour (rental) c. Compressive strength est, each 1 Concrete Assartist 3. Serve Analysis, Dry ASTM C-136, each Finer fran No. 200 Stews, ASTM C-117, each b. Specialic gravity, ASTM C-126, coarse, fine, each c. Rates and the control of the control o			4				
5 Hubbart-field stability, samples F.O.B. laboratory 3. Three sporimens, six inches \$185.00 \$175.00 6 Marshall Method Stability, three specimens \$185.00 \$175.00 \$175.00 7 Concrete and Cement. Feld Services 755.00 \$155.00 \$155.00 A. Feld Services 755.00 \$550.00 \$455.00						•	
a. Three spommens, with inches b. Three spommens, six inches 6 Marshall Method Stability, three specimens 715.00 S155.00 S155.			5	Ь.		\$105.00	ψ120.00
Total Line 4 Stability, three specimens				a.		\$135.00	\$150.00
Total Line 4 5. Concrete and Cement A. Field Services 1. Concrete quality control inspection and testing - per hour 2. Cylinders (3 specimens per set), ASTM C-39, per set 350.00 345.00 355.00 355.00 355.00 345.00 315.00 324.00 4 Cost 4 Cost At Cos				b.	Three specimens, six inches	\$185.00	\$175.00
5. Concrete and Cement A Field Services 1 Concrete qualify control inspection and testing - per hour 2 Cylindres (3 spointmers per set), ASTM C-39, per set 3 Reserve cylinders, each 4 Inspection and testing of ready mix plants charged at the Basic Engineering rates plus testing at cost 5 Cylindres made by others shall be picked up and delivered to the laboratory on a time and travel charge basis at the Basic Engineering Service Rates. A charge of \$2 At 00 per case of 24 plastic cylinder molds will be accessed when cylinders are made by others 6 Non-Destructive inspection and testing of concrete products and structures, including failures and fleoural testing of concrete products and structures, including failures and fleoural testing of concrete products and structures, including failures and fleoural testing of concrete products and structures, including failures and fleoural testing of concrete products and structures, including failures and fleoural testing of concrete products and structures, including failures and fleoural testing of concrete products and structures, including failures and fleoural testing of concrete beams shall be charged at the Basic Engineering Service Rates, plus velocity stteruation equipment charged at cost 7 Concrete Coring a. Two-man crew plus machine, per hour 2 b. Machine only, per hour (rental) 5 c. Congressive Strength test, ach 5 c. Congressive Strength test, ach 5 c. Laboratory Services 1 Concrete Materials a. Sieve Analysis, Dry ASTM C-13e, each Finer than No. 200 Stown, ASTM C-17e, each Finer than No. 200 Stown, ASTM C-17e, each Finer than No. 200 Stown, ASTM C-17e, each 5 c. Absorption, ASTM C-17e, each 6 c. Absorption, ASTM C-17e, each 7 c. Peter than No. 200 Stown, ASTM C-17e, each 7 c. Peter than No. 200 Stown, ASTM C-17e, each 8 c. Congrain impurities (Calcinimetric) ASTM C-17e, each 9 c. Organic impurities (Calcinimetric) ASTM C-17e, each 9 c. Organic impurities (Calcinimetric) ASTM C-17e, each 9 c. Congrain impurities (Calcinimetric) ASTM C-17e, each 9 c. Congrain			6		Marshall Method Stability, three specimens	\$165.00	\$125.00
1 Concrete qualify control inspection and testing - per hour \$55.00 \$55.00 \$15.					Total Line 4		
1 Concrete quality control inspection and testing - per hour 2 Cylinders (3 apsecimes per set). ASTM C-39, per set 35.0.0 S15.00	5.				Concrete and Cement		
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including failures and flexural testing of concrete beams shall be charged at the Basic Engineering Service Rates, plus velocity attenuation equipment charged at cost and arranged at cost arranged at			6			\$130.00	\$24.00
the Basic Engineering Service Rates, plus velocity attenuation equipment charged at cost 7 Concrete Coring a. Two-man crew plus machine, per hour b. Machine only, per hour (rental) c. Compressive strength test, each 310.00 550.00 c. Compressive strength test, each 450.00 515.00 Services 1 Concrete Materials a. Sieve Analysis, Dry ASTM C-136, each Finer than No. 200 Sieve, ASTM C-117, each b. Specific gravity, ASTM C-127 or C-128, coarse, fine, each c. Absorption, ASTM C-127 or C-128, coarse, fine, each d. Unit Weight, ASTM C-127 or C-128, coarse, fine, each d. Unit Weight, ASTM C-22, each e. Organic impurities (Calorimetric) ASTM C-40, each f. Effect of organic impurities, ASTM C-87, each g. Clay lumps in aggregate, AASHTO T-112, each f. Stop tarticles in aggregate, AASHTO T-123, each g. Stop tarticles in aggregate, ASTM C-32, each g. Abrasion (Los Angeles Rattler), ASTM C-131, each f. Preparation of sample for abrasion test, if crushed, each f. Staining Test, light weight aggregate, ASTM C-641, each g. Staining Test, light weight aggregate, e			Ü				
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c. Absorption, ASTM C-127 or C-128, coarse, fine, each \$60.00 \$60.00 d. Unit Weight, ASTMA C-29, each \$60.00 \$50.00 e. Organic impurities (Calorimetric) ASTM C-40, each \$190.00 \$40.00 f. Effect of organic impurities, ASTM C-87, each \$190.00 \$100.00 g. Clay lumps in aggregate, ASBTM C-122, each \$110.00 \$60.00 h. Soft particles in aggregate, ASBTM C-1238, each \$115.00 \$90.00 i. Friable particles in aggregate, ASTM C-124, each \$115.00 \$90.00 j. Abrasion (Los Angeles Rattler), ASTM C-131, each \$180.00 \$160.00 k. Preparation of sample for abrasion test, if crushed, each \$145.00 \$40.00 l. Staining Test, light weight aggregate, each \$180.00 \$1,520.00 m. Loss an ignition, light weight aggregate, each \$120.00 \$100.00 n. Sulfate soundness, Sodium or Magnesium, ASTM-88, five (5) cycle. \$340.00 \$125.00 Each additional five cycles without loss determination, each \$340.00 \$125.00 o. Potential Alkali Reactivity, each \$380.00 \$100.00 2 Mix Verifications \$270.00 \$500.00 a. Initial mix, including basis test of fine and coarse aggregate, six confirmatory cyl				ь.		\$160.00	\$50.00
d. Unit Weight, ASTMA C-29, each \$60.00 \$50.00 e. Organic impurities (Calorimetric) ASTM C-87, each \$190.00 \$40.00 f. Effect of organic impurities, ASTM C-87, each \$190.00 \$100.00 g. Clay lumps in aggregate, ASTM C-87, each \$110.00 \$60.00 h. Soft particles in aggregate, ASTM C-238, each \$115.00 \$90.00 i. Friable particles in aggregate, ASTM C-142, each \$115.00 \$80.00 j. Abrasion (Los Angeles Rattler), ASTM C-131, each \$180.00 \$160.00 k. Preparation of sample for abrasion test, if crushed, each \$145.00 \$40.00 l. Staining Test, light weight aggregate, ASTM C-641, each \$180.00 \$1,520.00 m. Loss an ignition, light weight aggregate, each \$120.00 \$100.00 n. Sulfate soundness, Sodium or Magnesium, ASTM-88, five (5) cycle. \$340.00 \$125.00 Each additional five cycles without loss determination, each \$340.00 \$125.00 o. Potential Alkali Reactivity, each \$380.00 \$100.00 d. Mix Verifications \$270.00 \$500.00 a. Initial mix, including basis test of fine and coarse aggregate, per mix \$270.00 \$500.00 <				c.			
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f. Effect of organic impurities, ASTM C-87, each g. Clay lumps in aggregate, AASHTO T-112, each h. Soft particles in aggregate, ASDTM C-238, each j. Friable particles in aggregate, ASTM C-142, each j. Abrasion (Los Angeles Rattler), ASTM C-131, each k. Preparation of sample for abrasion test, if crushed, each l. Staining Test, light weight aggregate, ASTM C-641, each m. Loss an ignition, light weight aggregate, each n. Sulfate soundness, Sodium or Magnesium, ASTM-88, five (5) cycle. Each additional five cycles without loss determination, each o. Potential Alkali Reactivity, each mix Verifications a. Initial mix, including basis test of fine and coarse aggregate, per mix b. Additional mixes, same aggregate, six confirmatory cylinders, per mix c. Flexural strength mix, six test beams including tests of aggregate, per mix d. Additional mixes, six test beams, some aggregate, per mix e. Light weight aggregate mixes, add to above, each f. Mix, no confirmatory tests (calculated), each g. Mix designs, applicable hourly rates a. Cylinders compressive strength, including curing, ASTM C-39, each b. Reserves, not tested, including curing, each					-		
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			-	a.	•	\$17.00	\$15.00
c. Splitting Test, ASTM C-496, each \$85.00 \$45.00							
				c.	Splitting Test, ASTM C-496, each	\$85.00	\$45.00

d. Bearns por brank, STAT C/TX, each Note Emperature, consultance wouldon and preparation of bamples for between procession when yet above the binding experience and be changed at the Beach Engineering Services size. Total Love 5 B. Blook, Brok, Tile, Pipe Blook, Brok, Brok						I I	1 440.00
testing in comparation with any above bit besting services shall be charged at the Sead Engineering Services rate. Total Line 5 Black, Brock, Tim, Pipe A Feder Services 1 Imagenous and retain pravaillactural's parts, or in the field shall be charged at Basic Engineering Services 2 Montar ender grout actions (6 specimens per ant), per sat 3 Lineary Services Contrate Matericy furts 1 Compressor Services Contrate Matericy furts 1 Compressor Services Contrate Matericy furts 2 Acceptable and including contrates of services further and services s				d.		\$37.00	\$40.00
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Total Line S							
Block, Brick, Tile, Pipe					charged at the basic Engineering Services rate.		
A. Field Services 1 Inspection and testing manufacturer's plant, or in the field shall be changed at Basic Englement Service Rates plus testing at cost 2 Montaney Services Concrete Measonly Units Control (1997) 1 Compressive Strength, ASTM Co-140, 5 specimens, each 300,00 S100,00 S1					Total Line 5		
A Fletd Services 1 Inspection and testing manufacturer's plant, or in the field shall be changed at Basic Englement Service Rates pas testing at cool 2 Montainer and cyrour cubes Sepachiners per set), per set B. Laboratory Services Concrete Missoriny Units 1 Compressive Sirengin, A-STM C-140, 5 specimens, each 2 Absorption and missalam contrent, ASTM C-140, 15 specimens, each 3 Linear drining shrinkage, ASTM C-341, invintum's aspecimens, each 4 Concrete missoriny block prism compressive strength tests, per set Total Line 6 7. Metalis 1 Visual shop and erection inspection, including witnessing of wedder's qualifications shall be charged at Reco Engineering Services Rates 2 Radiographic, Magnetic Preficie and Ultrascoil Testing Charge 2 Amen and adjustment of the Compressive strength tests, per set 2 Redographic, Magnetic Preficie and Ultrascoil Testing Charge 3 Amen and Services 1 Ultrascoil Resident Services and Services Rates 2 Redographic, Magnetic Preficie and Ultrascoil Testing Charge 3 Amen and Services 2 Redographic desknoom on Link, per day 3 Asymmetric, each, per hour 3 English and Services 4 Ultrascoil Resident Services Services Services 4 Ultrascoil Resident Services 5 Total Line 7 8. Non-Destinactive Sinualizaria / Materials Evaluation A Fishirication, well be previous, sent description, per hour 3 ASYT Level II Technician, per hour 4 ASY ASYT Careful Association, per hour 5 SS5.00							
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2. Monte medice group clabes (0 specimens per set), per set			'			At Cost	At Cost
B. Laboratory Sen/ces Concrete Mesonry Units 1 Congressive Stempth, ASTM C-140, 5 specimens, each 2 Assoption and resistance certex, ASTM C-140, 5 specimens, each 3 Linear drying shrinkage, ASTM C-341, imminum 3 specimens, each 4 Concrete mesonry block prison congressive strength tests, par set 550.00 Total Line 6 7. Metals A Field Sen/cos 1 Vesual data and exection inspection, including witnessing of weldor's qualifications shall be obligated as lease Empressing Senrices Ratios 2 Redoctionagenity. Magazine Fields and Utrassocit Entirey Charge 3 2-train addicipate/bit way of control of the contr			2				
Concrete Measony Units 1 Compresses Strength, ASTM C-14(), 5 specimens, each 2 Absorption and mosture content, ASTM C-14(), 5 specimens, each 3 Linear driping shrinkaps, ASTM C-14(), 5 specimens, each 4 Concrete mesonry block prism compressive strength tests, per set 7. Metals A Field Services 1 Visual shop and electron inspection, including witnessing of welder's qualifications shall be charged at Basic Engineering Services Ratios 2 Radiographic, Magnetic Particle and Ultrasonic Testing Change a 2-man radiographic resw the amena and distressor b, Radiographic Astronom non-Lore dray 3 S900.00 5 S90		B.	_			711111	¥1.3133
2 Absorption and moisters content, ASTM C-140, 5 specimens, each 3 Unare dryfng shrinkape, ASTM C-341, minuma Specimens, each 4 Concrete macenry block prism compressive strength tests, per set 57.00 58.00 57.00 58.00 57.00 58.00 57.00 58.00 57.00 58.00 57.00 58.00 57.00 58.00 57.00 58.00 57.00					•		
3 Linear dying shrinkage, ASTM C-941, minimum 3 specimens, each \$75.00 \$75.0			1		Compressive Strength, ASTM C-140, 5 specimens, each	\$400.00	\$100.00
Total Line 6 Total Line 7 Total Line 7 Total Line 6 Total Line 7 Tota			2		Absorption and moisture content, ASTM C-140, 5 specimens, each	\$50.00	\$50.00
Total Line 6 7. Metals A. Fails Sanriors 1 Visual aboy and erection inspection, including witnessing of wedder's qualifications shall be charged at Basic Feighening Services Rates 2 Radiographic Carely and Entire and Ultrasorior Entiring Charge 2. 2-main radiographic critery with camers and darknoom 3. Radiographic dischoom on truck, per day 3. Readiographic development dischoom on truck, per day 3. Readiographic develop			3		Linear drying shrinkage, ASTM C-341, minimum 3 specimens, each	\$270.00	\$75.00
7. Metals A. Fald Sarvices 1 Visual shop and reaction inspection, including witnessing of welder's qualifications shall be charged at Basis Fragmening Sarvices Rates 2. Radiographic carely staticle and Ultimisorio Testing Charge 3. 2-main radiographic carely with camera and distriction 4. Radiographic carely staticle and Ultimisorio Testing Charge 3. 2-main radiographic carely staticle and Ultimisorio Testing Charge 4. A Symmetrie, each, per hour 5. Radiographic clark control make, per day 5. Sept. 1.			4		Concrete masonry block prism compressive strength tests, per set	\$75.00	\$50.00
7. Metals A. Fald Sarvices 1 Visual shop and reaction inspection, including witnessing of welder's qualifications shall be charged at Basis Fragmening Sarvices Rates 2. Radiographic carely staticle and Ultimisorio Testing Charge 3. 2-main radiographic carely with camera and distriction 4. Radiographic carely staticle and Ultimisorio Testing Charge 3. 2-main radiographic carely staticle and Ultimisorio Testing Charge 4. A Symmetrie, each, per hour 5. Radiographic clark control make, per day 5. Sept. 1.					Total Line 6		
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qualifications shall be charged at Basic Engineering Services Rates 2. Radiographic, Magneting Particles and Uttracon' Testing Charge 3. 2-man calcographic crew with careers and darkroom 5. Radiographic cleans, cauch general and darkroom 5. Radiographic disknoom on truck, per day 6. Radiographic disknoom on truck, per day 7.		A.			Field Services	1	
2. Radiographic, Magnetic Particle and Ultrasonic Testing Oburge 2. 2man radiographic carriers, lasded earls, per hour \$270.00 \$150.00 3. Pandiographic darkroom on truck, per day \$900.00 \$800.00 \$800.00 4. Asking wardshie, seads, per hour \$900.00 \$500.00 \$500.00 5. Magnetic particle marchine (day), per hour \$120.00 \$0.00 6. Il Usessorie marchine, per hour \$120.00 \$0.00 7. Trickness and corrosion magnetine per hour \$150.00 \$0.00 8. Physical and Mechanical Properties Testing \$210.00 \$100.00 9. Guided Brand Test, each \$150.00 \$100.00 Total Line 7 \$100.00 \$100.00 8. Non-Destructive Structural / Materials Evaluation \$100.00 \$55.00 A. A. Fabrication / Exercise Caulations: Evaluation of any or all of the following as a established by project specification, dimensional toirance, material as repair and according as a causablished by project specification, dimensional toirance, material as repair and particle particles and particles and bott toray, weld by visual techniques, widing procedures, welder / weld operator, certifications, per hour \$110.00 \$100.00 9. ANY Level II Technician, per hour \$110.00 \$100.00 \$115.00			1				
a. 2-man randiographic craw with camera and disintroom b. Radiographic lathictories (and called public per lathictories) c. Radiographic darkinoom on track, per day d. X-Ray machine, each, per hour e. Magnetic particle machine (dry), per hour f. Ultrasonic machine, per hour g. Thickness and constant measurement equipment, per hour 3 Physical and Machanical Properties Testing a. Terraite lest appeared yield and ultrante stength, initial sample b. Guided Bend Test, each Total Line 7 8. Non-Destructive Structural / Materials Evaluation certifications, welds by visual techniques, welding procedures, welder / weld operator, certifications, perior but of torque, weld by visual techniques, stend decking, prime touch up and/or frinal pastring 1 A. A/-ASNT Semior Level Certified Technician, per hour 2 A. WSY / ASNT Certified Technician, per hour 3 A. SRT Level II Technician, per hour 3 A. Fabricanies and the control of the period of the stendard of the period of the stendard of the period of the stendard of the ste						I I	
b. Radographic trainera, loaded each, per hour c. Radographic fathscore on truck, per day d. X-Ray machine, each, per hour e. Magnetic particle machine (dry), per hour f. Ultrasonic machine, per hour g. Thickness and corrosion measurement equipment, per hour g. Total Line 7 8. Non-Destructive Structural / Materials Evaluation A. Fabrication / Exection Evaluation: Evaluation A. Fabrication / Exection Evaluation: Evaluation A. Fabrication / Exection Evaluation: Evaluation of any or all of the following as established by groute specification: innemissional tolerance, material certifications, welfs by visual techniques, welding pronoculures, welder / weld operator, certifications, paint hickness, material stronge conditions, column alignment, elevation verifications, both hole alignments and bott torque, weld by visual techniques, steel decking, prime touch up and/or first spanning 1 A. ASANT Benine t Level Certified Technician, per hour 3 ASNT Level II Technician, per hour 3 ASNT Level II Technician, per hour 4 A. ASNT Level II Technician, per hour 5 885.00 5 11			2				
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d. Guided bend test, each \$60.00 \$50.00 e. Tensile test, each \$80.00 \$50.00 f. Machine charges, each \$75.00 \$40.00 12 Radiographic welder coupon \$170.00 \$80.00 a. Plant, each \$170.00 \$100.00 b. Pipe, each \$170.00 \$100.00 3 Welding procedure qualifications \$400.00 \$80.00 a. ASME, each \$400.00 \$80.00 b. AWS, each \$400.00 \$80.00 14 Ultrasonic testing, per hour \$85.00 \$100.00 15 Equipment charge for ultrasonic testing, per day \$110.00 \$0.00				b.	Magnetic particle, per hour	\$65.00	\$45.00
e. Tensile test, each f. Machine charges, each 12 Radiographic welder coupon a. Plant, each b. Pipe, each 13 Welding procedure qualifications a. ASME, each b. AWS, each b. AWS, each 14 Ultrasonic testing, per hour 15 Equipment charge for ultrasonic testing, per day \$80.00 \$40.00 \$80.00 \$80.00 \$80.00 \$80.00 \$80.00 \$80.00 \$80.00 \$80.00 \$80.00 \$80.00 \$80.00 \$80.00 \$80.00 \$80.00 \$80.00 \$80.00 \$80.00 \$80.00					- ·		
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14 Ultrasonic testing, per hour \$85.00 \$100.00 15 Equipment charge for ultrasonic testing, per day \$110.00 \$0.00				a.		\$400.00	\$80.00
15 Equipment charge for ultrasonic testing, per day \$110.00 \$0.00				b.	AWS, each	\$400.00	\$80.00
16 Eddy current testing, per hour \$85.00 \$100.00							
			16		Eddy current testing, per hour	\$85.00	\$100.00

		17		Equipment charge for eddy current testing, per day	\$110.00	\$0.00
		18		X or Gamma Radiography	,	,
			a.	ASNT Level III, per hour	\$110.00	\$125.00
			b.	Materials Engineer, per hour	\$135.00	\$125.00
				Materials Consultant, per hour	\$180.00	\$125.00
				Mobile darkroom mileage, per mile	\$0.0690	\$0.57
				Radiographic film, current market price plus (Not to exceed 5%)	3.50%	5.00%
				Special transducers required, cost plus (Not to exceed 5%)	3.50% 3.50%	5.00% 5.00%
		19	-	Special probes, cost plus (Not to exceed 5%) ASTM D 2938-Unconfined compressive (PSI), each	\$75.00	\$165.00
		20		L.A. Abrasives (ASTM C 131), each	\$180.00	\$180.00
		21		L.A. Abrasives (ASTM C 535), each	\$180.00	\$180.00
		22		Fireproofing thickness, per hour	\$110.00	\$50.00
		23		Torque wrench / rebound hammer charge, per day	\$15.00	\$25.00
		24		Floor flatness (F-Meter) charge, per day	\$60.00	\$150.00
				Total Line 8		
9.				Roofing		
	Α	١.		Field Services		
				Roofing installation inspection and project meetings shall		
	-			be charged at Basic Engineering Services Rates		
	Е	٠.		Laboratory Services Roofing Materials		
		1		Dissection, including total weight, number plies, interply bitumen,		
				top bitumen, aggregate weight and diagramming, per sample		
			a.	With aggregates, (asphalt or coal tar)	\$600.00	\$175.00
				Without aggregates	\$700.00	\$150.00
			c.	Trimming sample to proper size	\$480.00	\$35.00
			d.	Diagramming only	\$60.00	\$85.00
		2		Moisture Contents of felts, ASTM D-95, per sample	\$360.00	\$50.00
		3		Unit Weight of felts, ASTM C-461, per sample	\$60.00	\$50.00
		4		Moisture Content of aggregate, ASTM D-18864, per sample	\$90.00	\$30.00
				Total Line 9		
10				Drilling Services		
	Α			Mobilization and demobilization of rig	\$040.00	\$750.00
		1 2		All terrain mounted, each	\$810.00 \$690.00	\$750.00 \$500.00
	Е			Truck mounted, each Auger Boring	\$090.00	\$500.00
	_	1		0-50 feet, per LF	\$12.00	\$6.75
		2		Greater than 50 feet, per LF	\$13.00	\$7.75
	C	;.		Soil test boring with standard penetration resistance		
		1		0-50 feet, per LF	\$14.00	\$16.50
		2		Greater than 50 feet, per LF	\$18.00	\$17.50
	С			Undisturbed sample (3"), each	\$125.00	\$65.00
	Е			Piston Samples (3"), each	\$210.00	\$85.00
	F			Setting and removing casing for rock coring, per LF	\$18.00	\$7.00
	G			NX or NQ rock coring with report of rock quality designation and percent recovery	\$100.00	¢65.00
		1		0-50 feet, per LF Greater than 50 feet, per LF	\$100.00 \$105.00	\$65.00 \$75.00
	H			Difficult moving, water hauling, per hour	\$300.00	\$200.00
	i			Direct Push (includes collection of ground water and soil samples)	2000.00	7200.00
	•	1		Minimum rate 1/2 day rate (4 hours), per hour	\$1,300.00	\$200.00
		2		Minimum daily rate (8 hours), per hour	\$2,700.00	\$225.00
		3		Supplemental rate, per hour	\$330.00	\$200.00
	J			Dozer Rental for clearing access to boring locations and moving drill rig, per day	\$2,400.00	\$1,250.00
	K			Water Tank, per day	\$270.00	\$200.00
	L			Piezometer, backfilled with cuttings, non-grouted for water level measurements, per LF	£00.00	60.00
	N	1.		Premium for sand pack and bentonite seal of piezometer, each	\$60.00 \$25.00	\$9.00 \$0.00
	Ν	l.		Grout seal boreholes (\$ 50.00 min. per borehole), per LF	\$25.00	\$7.00
	C			Subsistence: 2 man crew, per day	\$1,490.00	\$250.00
				Total Line 10	·	
11				Environmental Services		
	A	١.		Water / NPDES Monitoring		
		1		Comprehensive Monitoring Plan, (CMP), LS	\$110.00	\$900.00
		2		Monthly NPDES service (includes weekly inspection / sampling), per month	\$1,020.00	\$850.00
		3		Automated sampler rental, per sampler, per month	\$270.00	\$130.00
		4		Testing turbidity of water - GSP 20, per test	\$35.00	\$25.00
		5		Testing Turbidity of water - GDT 109, per test	\$35.00	\$25.00
		6 7		Erosion control report, each	\$110.00 \$30.00	\$25.00 \$15.00
		8		pH test, per test Chloride / sulfate test, per test	\$30.00 \$110.00	\$15.00 \$30.00
		9		Monthly NPDES report to EPD, each	\$110.00 \$110.00	\$30.00 \$75.00
	Е			Asbestos Testing	,,	7. 5.55
				Testing of asbestos in accordance with 1985 edition (purple book)		
				EPA Guidance for controlling Asbestos Materials in Buildings	1	1

		EPA Method 560 / 5-85-024, per test	\$35.00	\$30.00
	C.	Chemical / Hydrocarbon Testing		
	1	Subsurface chemical testing for Total Petroleum		
		Hydrocarbon (TPH), each	\$110.00	\$45.00
	2	Subsurface chemical testing for Total Petroleum		
		Benzene Toluene Ethyl Xylene (BTEX), each	\$60.00	\$50.00
	3	Subsurface chemical testing for Total Petroleum		
		Polynuclear Aromatic Hydrocarbon (PAH)	\$110.00	\$80.00
		Total Line 11		
12.		Traffic Control and Equipment Rental		
	A.	Cones, barriers and signage, per day	\$1,150.00	\$50.00
	B.	Flagman, per hour	\$100.00	\$50.00
	C.	Heavy Equipment rentals to include operator and		
		transportation to and from site, cost plus	12%	10%
		Minimum On-Site Charge for Field Services		
			Avg Price	Avg Price
			Increase 22.73%	Increase 0.87%

Denotes Price Increase