

EUSTIS ENGINEERING COMPANY, INC.
 GEOTECHNICAL ENGINEERS

FEEES FOR CONSTRUCTION QUALITY CONTROL AND MATERIALS TESTING SERVICES

ASPHALTIC CONCRETE INSPECTION AND TESTING
 PLANT/JOB SITE QUALITY CONTROL

DESCRIPTION	CODE	PRICE	UNIT
Design of asphaltic concrete mix	A01	525.00	Each
Design of asphaltic concrete mix in accordance with LaDOTD including Lottman Test	A02	700.00	Each
Design of asphaltic concrete mix in accordance with FAA specifications, per technician	A03	25.00	Hour
Review of submitted asphaltic concrete mix design for compliance with project specifications	A04	50.00	Each
Provide previously approved asphaltic concrete mix design	A05	100.00	Each
Quality control at producer's plant	A06	0.80	Ton
Quality control at producer's plant	A07	27.00	Hour
Overtime rate	A08	36.50	Hour
Quality control at project site	A09	27.00	Hour
Overtime rate	A10	36.50	Hour

MATERIALS SAMPLING AND TESTING

Material sampling at plant/job site	A11	24.00	Hour
Overtime rate	A12	32.50	Hour
Asphaltic cement complete analysis, AASHTO Table 11	A13	650.00	Each
Viscosity and penetration only (verify grade)	A14	140.50	Each
Mineral fill analysis	A15	55.00	Each
Hot mix verification (centrifuge method)	A16	95.00	Each
Hot mix verification (reflux method)	A17	125.00	Each
Briquette stability verification (both AASHTO and SSD methods)	A18	12.50	Each
Pavement density verification	A19	9.00	Each
Core specimens drilled from pavement and repair of test area (4-core minimum)	A20	60.00	Each
Core trimming with diamond saw	A21	12.00	Cut
Lottman test (effect of moisture on asphaltic concrete mixtures)	A22	125.00	Each
Rice test (specific gravity of admixtures)	A23	80.00	Each

EUSTIS ENGINEERING COMPANY, INC.
FEES FOR CONSTRUCTION QUALITY CONTROL AND MATERIALS TESTING SERVICES (Continued)

MATERIALS SAMPLING AND TESTING

DESCRIPTION	CODE	PRICE	UNIT
Laboratory analysis of drilled cores (including specific gravity, A.C. content, and gradation)	A24	100.00	Each
Aggregate soundness, five cycles, ASTM C 88	A25	600.00	Each
L.A. abrasion for coarse aggregate, ASTM C 131	A26	300.00	Each
Marshall property determination	A27	110.00	Each
Sand equivalent test	A28	40.00	Each

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FEEES FOR CONSTRUCTION QUALITY CONTROL AND MATERIALS TESTING SERVICES

PORTLAND CEMENT CONCRETE
 CONCRETE MIX DESIGNS

DESCRIPTION	CODE	PRICE	UNIT
Review of concrete mix design	C01	55.00	Each
Provide previously approved concrete mix design	C02	100.00	Each
ACI 301 trial mixtures (three water-cement ratios)	C03	350.00	Each
Additional trial mixtures using same materials	C04	100.00	Each

CONCRETE INSPECTION

Visual inspection of structural concrete, one technician	C05	2.00	C.Y.
Visual inspection of concrete pavement, one technician	C06	1.50	C.Y.
Visual inspection of concrete at batch plant, one technician	C07	.75	C.Y.
Inspection of concrete during minimal production quantities	C08	24.00	Hour
Inspection of stationary precast pipe or machine made pipe	C09	24.00	Hour
Inspection of light weight insulating concrete	C10	24.00	Hour
Inspection of concrete on above services, overtime rate	C11	32.50	Hour

CONCRETE TEST CYLINDERS/BEAMS

Cylinder pick-up	C12	20.00	Hour
Overtime rate	C13	27.00	Hour
Cylinders molded during inspection	C14	10.00	Each
Cylinders made by our technician, picked up, cured, tested and reported when inspection is not required, set of four cylinders	C15	100.00	Report
Cylinders made by the client and submitted F.O.B. our laboratory (4-cylinder minimum charge)	C16	11.00	Each
3" x 6" cylinders (dry density and compressive strength)	C17	12.00	Each
Beams molded during inspection	C18	12.00	Each

Cylinders/beams molded by our technician will be charged at the quoted rate whether or not they are actually tested.

EUSTIS ENGINEERING COMPANY, INC.

FEES FOR CONSTRUCTION QUALITY CONTROL AND MATERIALS TESTING SERVICES (Continued)

CONCRETE AGGREGATES

DESCRIPTION	CODE	PRICE	UNIT
Sieve mechanical analysis (Wash on No. 200), ASTM C 117	C19	30.00	Each
Los Angeles abrasion test, ASTM C131	C20	300.00	Each
Absorption test, sand and gravel	C21	37.50	Each
Sand decantation	C22	28.00	Each
Gradation or sieve analysis, greater than No. 10 sieve, ASTM C 136	C23	50.00	Each
Organic impurities - color plate - sand	C24	18.00	Each
Gravel soft particle count	C25	23.00	Each
Aggregate soundness, five cycles, ASTM C 88	C26	600.00	Each
Specific gravity, sand or gravel	C27	50.00	Each
Unit weight, sand or gravel	C28	35.00	Each

CONCRETE CORE DRILLING AND TESTING

Structural concrete core, two technicians (plus drilling charge)	C29	60.00	Hour
Overtime rate	C30	80.00	Hour
3-in. diameter diamond drill bit wear charge	C31	5.00	Inch
4-in. diameter diamond drill bit wear charge	C32	6.50	Inch
6-in. diameter diamond drill bit wear charge	C33	11.00	Inch
Roadway pavement thickness determination, maximum 8-in. depth	C34	65.00	Each
Trimming core for compressive strength test	C35	12.00	Cut
Measuring, capping and testing of core	C36	15.00	Each

IMPACT HAMMER TESTING

Schmidt Impact Hammer test	C37	27.00	Hour
Overtime rate	C38	36.50	Hour

POST TENSION OR PRESTRESS/PRECAST INSPECTION AND TESTING

Field technician	C39	27.00	Hour
Overtime rate	C40	36.50	Hour

EUSTIS ENGINEERING COMPANY, INC.
 FEES FOR CONSTRUCTION QUALITY CONTROL AND MATERIALS TESTING SERVICES (Continued)

BUILDING BRICK (MASONRY UNITS)

DESCRIPTION	CODE	PRICE	UNIT
Brick/masonry 24-hour absorption test (5-unit minimum)	C41	95.00	Set
5-hour boil test (5-unit minimum)	C42	120.00	Set
Compression test (5-unit minimum)	C43	110.00	Set
Linear shrinkage (5-unit minimum)	C44	275.00	Set
Flexural test (5-unit minimum)	C45	110.00	Set
Efflorescence test (5-unit minimum)	C46	80.00	Set

CUBE TESTING

Standard 2-in. cube test, laboratory control (3 specimens)	C47	80.00	Set
Standard 2-in. cubes molded during inspection	C48	9.00	Each

MASONRY TESTING

Masonry prism testing, ASTM E 477	C49	290.00	Each
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FEES FOR CONSTRUCTION QUALITY CONTROL AND MATERIALS TESTING SERVICES

SOIL MECHANICS LABORATORY TESTS

DESCRIPTION	CODE	PRICE	UNIT
Atterberg limits determinations, ASTM D 4318	AL	31.50	Each
Maximum and minimum density, ASTM D 4253, D 4254	MAX1	110.00	Each
Compaction test on sand, ASTM D 698, ASTM D 1557 or DOTD TR 418	CSA	100.00	Each
Compaction test on aggregate, ASTM D 698, ASTM D 1557 or DOTD TR 418	CAG	122.00	Each
Compaction test on clay, ASTM D 698, ASTM D 1557 or DOTD TR 418	CCL	135.00	Each
Grain size analysis, sieve only, ASTM D 422	SIEV	30.00	Each
Grain size analysis, hydrometer only, ASTM D 422	HYDR	30.00	Each
Grain size analysis, sieve and hydrometer, ASTM D 422	GROUND SURFACE	60.00	Each
Water content-visual classification, ASTM D 2488, D 2216	WCVC	5.00	Each
Sand-clay-gravel complete gradation with Atterberg limits and water content, ASTM D 2487	SCG	100.00	Each
Crushed concrete gradation, ASTM C 136-84a	CCG	40.50	Each
Sand-shell analysis (% shell), DOTD TR 110-67	SSA	50.00	Each
Shrinkage limit, ASTM D 427	SL	30.00	Each
Sieve mechanical analysis (Wash on 200), ASTM D 1140	W114	15.00	Each
Sieve mechanical analysis (Wash on 200), ASTM C 117	W117	30.00	Each

SOIL-CEMENT STABILIZATION

Soil-cement stabilization performed in accordance with PCA Soil Cement lab handbook will be quoted upon request.

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FEEES FOR CONSTRUCTION QUALITY CONTROL AND MATERIALS TESTING SERVICES

SOILS TESTING IN FIELD

DESCRIPTION	CODE	PRICE	UNIT
Soil sample collection (two-hour minimum charge)	S01	24.00	Hour
Overtime rate	S02	32.50	Hour
Field density test, nuclear method (four-test minimum charge)	S03	25.00	Each
Field density test, sand cone method (four-test minimum charge)	S04	25.00	Each
Field moisture equivalent test	S05	10.00	Each
Inspection of fill placement at site (plus density test, Code S08)	S06	24.00	Hour
Overtime rate	S07	32.50	Hour
Performance of density test during fill placement inspection	S08	5.00	Test
Depth check on sand fill (36" maximum)	S09	4.50	Each
Depth check on sand/shell, crushed concrete or stone base course (8" maximum)	S10	12.00	Each

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FEEES FOR CONSTRUCTION QUALITY CONTROL AND MATERIALS TESTING SERVICES

LUMBER AND TIMBER PRODUCTS
 INSPECTION OF LUMBER AND TIMBER PRODUCTS

Preservative treatment prior to and at conclusion of process at producer's plant (AWPA C-1 or C-3):

DESCRIPTION	CODE	PRICE	UNIT
Piling, ASTM D 25	P01	0.08	LF
Poles, A.S.A. (Class 5 or 9)	P02	0.08	LF
Lumber and timber	P03	18.00	MBM
Untreated piling	P04	0.07	LF
Inspection as above in event of minimal production (plant or job site)	P05	24.00	Hour
Overtime rate	P06	32.50	Hour

All material inspected, whether accepted or rejected, will be charged at the above rates.

PILE LOAD TESTS AND PILE LOGGING

Load-Settlement Relationship Utilizing Calibrated Hydraulic Ram Method:

Furnish 25-ton calibrated equipment	P07	50.00	Each
Furnish 75-ton calibrated equipment	P08	125.00	Each
Furnish 100-ton calibrated equipment	P09	150.00	Each
Furnish 150-ton calibrated equipment	P10	200.00	Each
Furnish 300-ton calibrated equipment	P11	450.00	Each
Furnish any other calibrated equipment up to 1000-ton capacity	P12	Upon Request	
Furnish calibrated load cell	P13	Upon Request	
Field technician	P14	24.00	Hour
Overtime rate	P15	32.50	Hour
Formal report with interpretation	P16	250.00	Each
Each additional test	P17	100.00	Each
Furnish, install, remove steel reaction girder, 25-ton maximum load	P18	250.00	Each

EUSTIS ENGINEERING COMPANY, INC.

FEES FOR CONSTRUCTION QUALITY CONTROL AND MATERIALS TESTING SERVICES (Continued)

PILE DRIVING INSPECTION

File driving inspection and logging	P19	24.00	Hour
Overtime rate	P20	32.50	Hour
Prepare and furnish numbered pile plan (five copies)	P21	60.00	Sheet

HYDRAULIC RAM CALIBRATION

DESCRIPTION	CODE	PRICE	UNIT
Calibration including formal report and graph (100-ton ram maximum)	P22	200.00	Each
Additional ram or gauge	P23	90.00	Each

This charge may be fixed for an individual project depending upon the number of plan sheets, piling involved and reproduction costs. Sepia originated from our office will be billed at a rate of cost plus 15%.

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FEEES FOR CONSTRUCTION QUALITY CONTROL AND MATERIALS TESTING SERVICES

STEEL INSPECTION
 VISUAL INSPECTION - STRUCTURAL - PIPE - COATINGS

DESCRIPTION	CODE	PRICE	UNIT
Visual inspection of welding, equipment, materials & workmanship; testing of bolted connections, fabrication or field erection	W01	30.00	Hour
Overtime rate	W02	40.50	Hour
Visual inspection of paint, coating, sand blasting & related responsibilities	W03	30.00	Hour
Overtime rate	W04	40.50	Hour
Visual inspection of pipe welding & fabrication for pipelines, production units, chemical or power plants, etc.	W05	30.00	Hour
Overtime rate	W06	40.50	Hour
Visual inspection of steel storage tanks (ground level or elevated); evaluation of welding, cleaning, coating, etc.	W07	35.00	Hour
Overtime rate	W08	47.50	Hour
One-time inspection report based on existing conditions	W09	45.00	Hour
Overtime rate	W10	60.00	Hour

PHYSICAL LABORATORY TESTS

Tensile test	W11	60.00	Bar
Guided bend test	W12	25.00	Bar
Nick break test	W13	38.00	Bar

Machining of the above specimens and reduced section will be billed at the rate of cost plus 15%.

REINFORCING STEEL

Sampling charge	W14	24.00	Hour
Overtime rate	W15	32.50	Hour
Deformation examination	W16	25.00	Each
Bend test	W17	30.00	Each
Tensile test up to Size No. 9	W18	40.50	Each
Tensile test greater than Size No. 9	W19	Upon Request	
Minimum report charge	W20	80.00	Report

EUSTIS ENGINEERING COMPANY, INC.

FEEES FOR CONSTRUCTION QUALITY CONTROL AND MATERIALS TESTING SERVICES (Continued)

NON-DESTRUCTIVE TESTING

DESCRIPTION	CODE	PRICE	UNIT
Ultrasonic testing	W21	45.00	Hour
Overtime rate	W22	60.00	Hour
Radiographic testing	W23	Upon Request	

HARDNESS TESTS - BRINELL OR ROCKWELL

Brinell ASTM E 18, average of 3 impressions per specimen, (5-test minimum)	W24	25.00	Each
Rockwell ASTM E 18, average of 3 impressions per specimen, (5-test minimum)	W25	16.00	Each
Field readings (portable)	W26	60.00	Hour
Field readings, overtime rate	W27	80.00	Hour
Test bars	W28	Cost + 15%	

CHARPY IMPACT TEST

(A) 0°F to -75°F	W29	50.00	Bar
(B) -76°F to -124°F	W30	90.00	Bar
(C) -125°F to -324°F	W31	Upon Request	
Machining bars	W32	Cost + 15%	
Minimum report charge	W29	100.00	Report
Vee notch specimen	W33	65.00	Each
Bend specimen	W34	16.00	Each
Special metal (requiring machining)	W35	Upon Request	

EUSTIS ENGINEERING COMPANY, INC.
 FEES FOR CONSTRUCTION QUALITY CONTROL AND MATERIALS TESTING SERVICES (Continued)

WELDING PERFORMANCE QUALIFICATIONS

Pipe Test - 2G and 5G Positions:

DESCRIPTION	CODE	PRICE	UNIT
Pipe Size 6-5/8" O.D., Schedule 40	W36	210.00	Test
Pipe Size 6-5/8" O.D., Schedule 80	W37	210.00	Test

Plate Test - 1G, 2G, 3G and 4G Positions (Carbon Steel):

6" x 4" Plate Size, .375 - .500 Plate Thickness	W38	110.00	Test
6" x 4" Plate Size, .501 - .750 Plate Thickness	W39	155.00	Test
6" x 4" Plate Size, .751 - 1.00 Plate Thickness	W40	200.00	Test

Review of welder's qualifications submitted to our office	W41	50.00	Each
Review of contractor's welding procedure submitted to our office	W42	100.00	Each
Review of certified mill test reports submitted to our office	W43	50.00	Each
Welder performance certificate	W44	25.00	Each
Multi-welder qualifications witnessed by AWS qualified inspector (plus certificate)	W45	260.00	Day

Procedure tests will be charged at the above rates plus physical testing.

When a welder is visually disqualified prior to completing the test, a percentage of the above listed unit price will be charged.

Outside machining when required is charged at cost plus 15%.

Test material furnished by Eustis Engineering will be charged at cost plus 15%.

Test nipples/plates will be furnished by client.

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FEEES FOR CONSTRUCTION QUALITY CONTROL AND MATERIALS TESTING SERVICES
 MISCELLANEOUS

FIREPROOFING

DESCRIPTION	CODE	PRICE	UNIT
Inspection of spray-applied fireproofing materials applied to structural steel including thickness measurements, ASTM E 805	M01	30.00	Hour
Overtime rate	M02	40.50	Hour
Density test on submitted sample	M03	100.00	Each
Density test performed in connection with job site inspection	M04	60.00	Each

VIBRATION MONITORING

Electronic measurement of vibrations produced by pile driving or other operations	M05	32.00	Hour
Overtime rate	M06	43.50	Hour
Additional monitor	M07	50.00	Day

ACOUSTICAL MONITORING

Acoustic monitor in conjunction with vibration monitor	M08	32.00	Hour
Overtime rate	M09	49.00	Hour
Additional technician	M10	24.00	Hour
Overtime rate	M11	54.00	Hour
Additional monitor	M12	50.00	Day

PAINT INSPECTION

Inspection of surface preparation, material packaging, application, dry-film thickness (ferrous surfaces); monitoring humidity/temperature conditions, and related responsibilities	M13	30.00	Hour
Overtime rate	M14	40.50	Hour
Adhesion test in connection with job site inspection (4-test minimum charge)	M15	20.00	Test

EUSTIS ENGINEERING COMPANY, INC.
 FEES FOR CONSTRUCTION QUALITY CONTROL AND MATERIALS TESTING SERVICES (Continued)

ROOFING INSPECTION

DESCRIPTION	CODE	PRICE	UNIT
Visual inspection of built-up, single-ply, or other roofing construction	M16	30.00	Hour
Overtime rate	M17	40.50	Hour
Test cuts	M18	90.00	Each

PRESSURE TESTS - PIPELINES

Witness pressure (air, water, etc.) test of pipeline and related items	M19	30.00	Hour
Overtime rate	M20	40.50	Hour

SEWER INFILTRATION-EXFILTRATION

Infiltration/exfiltration test on gravity flow sewer system	M19	125.00	Each
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FEEES FOR CONSTRUCTION QUALITY CONTROL AND MATERIALS TESTING SERVICES
 ENGINEERING SERVICES

DESCRIPTION	CODE	PRICE	UNIT
Principal	001	105.00	Hour
Principal Engineer	100	80.00	Hour
Senior Engineer	120	65.00	Hour
Engineer	140	55.00	Hour
Associate Engineer	160	45.00	Hour
Field Services Director	200	40.00	Hour
Senior Technician	300	30.00	Hour
Senior Technician, overtime	301	40.50	Hour
Engineering Technician	350	24.00	Hour
Engineering Technician, overtime	351	32.50	Hour
Engineering Aide/Draftsman	180	28.00	Hour
Secretary	720	30.00	Hour
Mileage	MILE	.35	Mile
Per Diem	PILE DRIVING	60.00	Day

EUSTIS ENGINEERING COMPANY, INC.
FEES FOR CONSTRUCTION QUALITY CONTROL AND MATERIALS TESTING SERVICES (Continued)

Owner shall hold the other responsible for any delays caused by events beyond the control of the other, the other's employees, and/or agents. These considerations may be, but are not limited to, natural disasters, strikes, lockouts, accidents, and/or events of this nature.

DEFINITIONS. Straight time is defined as eight hours between the hours of 7:00 a.m. and 5:00 p.m. in any given day, exclusive of weekends and company holidays. Straight time hours may be varied to coincide with straight time hours of individual projects upon prior verbal agreement. *Overtime* is defined as those hours in excess of the normal eight hours described above.

SPECIFIC SERVICES

For samples which require additional special handling, disposal, processing, or other unusual procedures, an additional fee of 25% above the stated prices will be added. Fees for field tests, chemical tests, sample preparation, specialized testing, etc., will be furnished upon request. All contaminated samples will be returned to Owner's site at the Owner's expense unless other arrangements have been previously made and agreed upon by all parties.

CQC & MATERIALS TESTING SERVICES. Notification and/or requests for inspection or testing must be made not later than the close of business day prior to the date on which test services are to be performed. **Notice of cancellation must be given at least four (4) hours prior to the time of assignment.**

All CQC services quoted by hourly rate in this Schedule of Fees, unless otherwise noted, will be charged at a four-hour minimum or actual time thereafter per assignment. Travel time will be included in the total hours charged. The unit rate for mileage will also be added to those projects outside of the New Orleans Metropolitan area.

Special technician services or tests not included in this schedule of fees will be quoted upon request.

Mileage will be charged on projects which are located more than 20 miles round trip from our office.

THE ABOVE GENERAL CONDITIONS ARE ACCEPTABLE:

PARTY/ORGANIZATION: St. Charles Parish	
ACCEPTED BY: Albert W. Lopez	
TITLE: Parish President	DATE: April 13, 2000