

**ORDINANCE NO. 9737-2014**

**AN ORDINANCE OF THE CITY OF GRAND PRAIRIE, TEXAS, REPLACING  
ORDINANCE 7951 IN ITS ENTIRETY, DETERMINING THE NECESSITY FOR  
A GEOTECHNICAL AND MATERIAL TESTING SERVICES FEE**

**WHEREAS**, the City Council has determined that it is important that City and private development projects be designed based on field geotechnical information where needed and materials tested according to the plans and specifications;

**WHEREAS**, it is important that proper geotechnical and material testing services work be performed to meet standards and specifications; and

**WHEREAS**, this Ordinance will supersede and replace Ordinance 7951 in its entirety.

**NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GRAND PRAIRIE, TEXAS:**

**SECTION 1.** THAT it is hereby determined to be in the best interests of the City of Grand Prairie, Texas and its inhabitants to adopt the following geotechnical and material testing fees.

**1.0 Concrete**

1.01	Compression Test Cylinders (Making & Breaking), each	\$16.50	(Min.4 per set)
1.02	Air Content, Slump, Temperature, Unit Weight and Making Cylinders, (Per hour)	\$47.25	(Min 3 Hrs.)
1.03	Next Day Cylinder pickup, (Per hour)	\$47.25	(Min. 2 Hrs.)
1.04	Vehicle charge, (Per Trip)	\$26.25	
1.05	Flexural Beam Testing, each	\$31.50	
1.06	4 1/2" Diameter Core, (Per inch of depth)	\$7.75	
1.07	2" Diameter Core, (Per inch of Depth)	\$5.75	
1.08	Core Thickness Measurement, (each)	\$9.50	
1.09	Patching of Core Holes, each	\$8.40	
1.10	Coring Technician Time, hour	\$47.25	(Min 3 Hrs.)
1.11	Sawing and/or Capping Cores, each	\$15.00	
1.12	Compression Test of Cores, each	\$15.75	
1.13	Mix Design Review, each	\$123.25	
1.14	Mix Design Formulation w/Aggregate Tests Include Specific Gravity/Sieve Analysis/Unit WT-200, each	\$630.00	
1.15	Additional Mix Design Utilizing Above Mix Analysis, each	\$475.00	
1.16	Mix Design Formulation Revision, each	\$200.00	
1.17	Engineering Tech (NICET) for Quality Assurance Monitoring of Onsite Work, hour	\$55.00	(Min 3 Hrs.)
1.18	Pre-pour Reinforcing Steel Placement Inspection, hour	\$47.25	(Min 3 Hrs.)
1.19	Sampling for In-Lab Test, hour	\$47.25	(Min 3 Hrs.)
1.20	Batching Mix Design in Preparation for Making Lab Confirmation Cylinders or Beams, hour	\$47.25	(Min 3 Hrs.)
1.21	Batch Plant Observation Supporting Concrete Placement, hour	\$47.25	(Min 3 Hrs.)
1.22	Concrete Flatness, (Up to 20,000 Sq. Ft.)	\$650.00	
1.23	Concrete Flatness, (Over 20,000 Sq. Ft. - per Sq. Ft.)	\$0.03	
1.24	Certified Welding Inspector, hour	\$65.00	(Min 4 Hrs.)

**2.0 HMAC**

2.01	++Density Nuclear Method, (Per hour)	\$67.50	(Min 3 Hrs.)
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2.02	6" Diameter Core for in Place Density, (per inch of Depth)	\$12.50	
2.03	Coring HMAC Technician Time, hour	\$47.25	(Min 3 Hrs.)
2.04	Core Depth Measurement, core (each)	\$8.00	
2.05	Patching Core Holes, each	\$8.00	
2.06	Vehicle Charge (per Trip)	\$26.25	
2.07	Ignition Oven Burn Off (% Bitumen and aggregate gradation), each	\$195.00	
2.08	Lab Density, each	\$25.00	
2.10	Stability Test, each	\$35.00	(Min 3 Hrs.)
2.11	Maximum Specific Gravity, each	\$75.00	
2.12	Batch Plant Hot Bin Analysis, hour	\$62.50	(Min 3 Hrs.)
2.13	Material Sampling For In-lab Tests, hour	\$47.25	(Min 3 Hrs.)

\*\*\* Includes Gauge Charge

++ (includes Technician Time, and Gauge Charge).

**3.0 Professional**

3.01	Chief Engineer Scientist, hour	\$152.00	
3.02	Senior Technician, hour	\$57.75	
3.03	Senior Project Engineer Professional Engineer, hour	\$132.00	
3.04	Project Engineer Scientist Geologist, hour	\$110.00	
3.05	Graduate Engineer Project Manager, hour	\$95.00	
3.06	Staff Scientist Geologist Engineer, hour	\$95.00	
3.07	Clerical, hour	\$47.25	
3.08	Drafter, hour	\$52.00	
3.09	Engineering and Report Review, hour	\$132.00	

**4.00 Geotechnical**

4.01	Undisturbed Soil Sample, each	\$12.00	(per ft.)
4.02	Visual Classification, each	\$12.00	
4.03	Classification ASTM D-2487, each	\$100.00	
4.05	Sample Preparation, hour	\$47.25	
4.06	Atterburg Limits RAW PI, each	\$50.00	
4.07	Soil w/Additive, each	\$60.00	
4.08	Bar Lineal Shrinkage, each	\$45.00	
4.09	Moisture Density Relationship (Proctor) Standard (ASTM D-698), each	\$168.00	
4.10	Moisture Density Relationship (Proctor) Modified (ASTM D-1557),each	\$190.00	
4.11	THD 113E, each	\$200.00	
4.12	Unit Weight, each	\$26.25	
4.13	Unit Weight (Dry Rodded), each	\$30.00	
4.14	-200 Sieve Analysis, each Decant	\$31.50	
4.15	Laboratory Moisture Content, each	\$6.50	
4.16	Sieve Analysis (Fine Aggregate), each	\$63.00	
4.17	Sieve Analysis (Large Aggregate), each	\$63.00	
4.18	Sieve Analysis (Finer than 200 Sieve), each (Hydrometer Analysis)	\$85.00	
4.19	Lime or Cement Series Determination (5 points)	\$280.00	
4.20	pH Series (6 points), each	\$190.00	
4.21	Sulphate Test (TEX 145E), each (5 days turnaround)	\$67.00	
4.22	Sulphate Test (TEX 145E), each (48 hour turnaround)	\$130.00	
4.23	Specific Gravity, each (Aggregate)	\$55.00	
4.24	Absorption, each	\$25.00	
4.25	Los Angeles Abrasion (Large Aggregate), each	\$225.00	
4.26	Los Angeles Abrasion (Small Aggregate), each	\$225.00	
4.27	Texas Wet Ball Mill, each	\$200.00	
4.28	Gradation (Lime or Cement Stabilized), hour	\$47.25	(Min 3 Hrs.)

4.29 *** Limed Soil Depth Measurement, hour	\$47.25	(Min 3 Hrs.)
4.30 ++ In Place Moisture Density, (per Hour) (Tech & Gauge)	\$67.50	(Min 3 Hrs.)
4.31 Unconfined Compression Test Soil, each (Including Moisture)	\$42.00	
4.32 Unconfined Compression Test Rock, each (Including Moisture)	\$47.25	
4.33 Confined Compressions Test (UU), each	\$125.00	
4.34 Triaxial Consolidated Undrained w/Pore Pressure Measurement, speci (3 Stage)	\$1,150.00	
4.35 Triaxial Consolidated Drained, per stage	\$675.00	
4.36 Consolidated Test, each	\$350.00	
4.37 Direct Shear Consolidated Drained Sand & Gravel, point	\$225.00	
4.38 Direct Shear Consolidated Drained Silt & Clay, point	\$225.00	
4.39 California Bearing Ratio, each	\$295.00	
4.40 THD Triaxial, each	\$1,550.00	
4.41 Swell, each Absorption Pressure	\$165.00	
4.42 Permeability Test Falling Head, each	\$225.00	
4.43 Permeability Test Tiraxial, each	Quote on Request	
4.44 Permeability Test Flex Wall, each	Quote on Request	
4.45 Permeability Test Granular Soils, each (Constant Head)	\$275.00	
4.46 Permeability Test Pressure Head w/Back Pressure Saturation, each	\$500.00	
4.47 Electrical Resistivity, THD Method, each	\$110.00	
4.48 Truck Mounted Mobilization, mile	\$3.75	
4.49 Truck Mounted Mobilization, trip	\$280.00	
4.50 Buggy/Ave Mounted, mile	\$5.00	
4.51 Buggy/Ave Mounted, trip	\$400.00	
4.52 Site Access Clearing (including disposal and revegetation) Lump Sum (**QOR)	Quote on Request	
4.53 Per Diem Per Man, (per day as per Federal Per Diem Rate Standard)	Quote on Request	
4.54 Intermittent Soil Sampling w/Truck @ 5' Intervals 0-25' Depth, foot	\$11.00	
4.55 Intermittent Soil Sampling w/Truck @ 5' Intervals 25-50' Depth, foot	\$15.00	
4.56 Intermittent Soil Sampling w/Truck @ 5' Intervals 50-100' Depth, foot	\$19.00	
4.57 Continuous Soil Sampling w/Truck 0-10' Depth, foot	\$19.00	
4.58 Intermittent Soil Sampling w/ATV @ 5' Intervals 0-25' Depth, foot	\$17.00	
4.59 Intermittent Soil Sampling w/ATV @ 5' Intervals 25-50' Depth, foot	\$20.00	
4.60 Intermittent Soil Sampling w/ATV @ 5' Intervals 50-100' Depth, foot	\$24.00	
4.61 Continuous Soil Sampling w/ATV 0-10' Depth, foot	\$24.50	
4.62 Continuous Soil Sampling w/ATV 10-50' Depth, foot	Quote on Request	
4.63 Auger Drilling Without Sample, foot	\$10.50	
4.64 Rock Coring w/NX Size, Core Barrel 0-25' Depth Carbide Bit, foot	\$26.00	
4.65 Rock Coring w/NX Size, Core Barrel 25-50' Depth Carbide Bit, foot	\$28.00	
4.66 Rock Coring w/NX Size, Core Barrel 50-75' Depth Carbide Bit, foot	\$29.00	
4.67 Rock Coring w/NX Size, Core Barrel 75-100' Depth Carbide Bit, foot	\$31.00	
4.68 Rock Coring w/NX Size, Core Barrel 50-75' Depth Diamond Bit, foot	\$36.00	
4.69 CME 5' Continuous Sampler 0-50' Depth, run	\$21.00	Per Ft
4.70 Stand By or Access Time, hour	\$180.00	
4.71 Drilling w/Auger Rig, hour	\$180.00	
4.72 Minimum Drill Fee	\$650.00	
4.73 Post Injection Sub-grade Evaluation Per Boring Including Moisture and Free Swell Determination	Quote on Request	

4.74	Minimum Post Injection Charge	Quote on Request
4.75	Vehicle charge, (Per Trip)	\$26.25
4.76	Maximum Index Density ASTM D4253	\$250.00
4.77	Deleterious Material TxDOT 413	\$31.50
	**QOR - Quote on Request (Unable to provide unit price due to high variability of conditions)	
	*** Includes Gauge Charge	
	++ (includes Technician time and Gauge Charge)	

**The following general requirements shall apply:**

- a. Developer or designee shall coordinate this work with the approved City firms providing this service with proper advance notifications of a minimum of two week
- b. Developer or designee to provide copies of any and all associated on-site preliminary plans to determine the work scope.
- c. Current design requirements shall apply.
- d. Any and all review comments shall be addressed with subsequent submittals.
- e. Overtime work is defined as any extra time spent over 8 hours Monday through Friday and work performed on Saturdays, Sundays or holidays. The overtime hourly charge rate is 1.33 times the listed regular hourly rate.
- f. Since this is a pass through cost, funds not used shall be reimbursed to the developer.
- g. Developer shall compensate the City for any additional costs incurred.
- h. City Staff will help resolve issues.

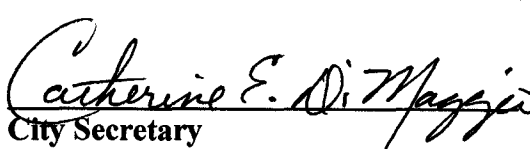
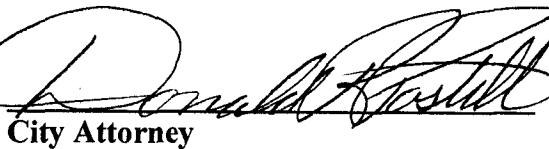
**PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF GRAND PRAIRIE, TEXAS, ON THIS THE 15<sup>TH</sup> DAY OF JULY, 2014.**

**APPROVED:**

  
Ron Jensen, Mayor

**ATTEST:**

**APPROVED AS TO FORM:**

  
Catherine E. Di Maggio  
City Secretary  
Donald Hestell  
City Attorney