

CITY OF GARDEN GROVE

AMENDMENT NO. 2

This Amendment No.2 is made and entered into this day of 2018, by and between the **CITY OF GARDEN GROVE**, hereinafter referred to as "CITY", and **Group Delta Consultants, Inc.**, a California Corporation ("CONSULTANT").

WHEREAS, CONSULTANT and CITY entered into an Agreement for CONSULTANT to provide On-Call Geotechnical Services, effective November 20, 2014 (the "Agreement").

WHEREAS, on September 17, 2017, the parties amended the Agreement to extend the term through September 19, 2019.

WHEREAS, an adjustment in the "not to exceed" amount is required to cover work through the extended term.

WHEREAS, CONSULTANT and CITY desire to amend the existing Agreement as provided herein.

Now, therefore, it is mutually agreed, by and between the parties as follows:

1. Section 3.1 Compensation Amount, is hereby amended as follows:

Increase the "Not to exceed" amount from Three Hundred Thousand dollars (\$300,000) to Four Hundred Thousand dollars (\$400,000), an increase of One Hundred Thousand dollars (\$100,000) to the total Agreement amount.

CONSULTANT shall be compensated in accordance with the revised fee schedule attached hereto as Exhibit "A".

Except as expressly amended by this Amendment No. 2, all provisions of the existing Agreement shall remain in full force and effect as originally executed.

[SIGNATURES ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the parties have caused this Amendment No. 2 to the existing Agreement to be executed by their respective officers duly authorized on the date first written above.

"CITY"
CITY OF GARDEN GROVE, a
municipal corporation

Dated: _____, 2018

By: _____
Scott C. Stiles
City Manager

ATTEST

"CONSULTANT"
Group Delta Consultants, Inc., a
California Corporation

City Clerk

By: [Signature]
Title: President

Dated: _____, 2018

Dated: 8-6, 2018

APPROVED AS TO FORM:

If CONSULTANT/CONTRACTOR is a corporation, a Corporate Resolution and/or Corporate Seal is required. If a partnership, Statement of Partnership must be submitted to CITY

[Signature]
Garden Grove City Attorney

Dated: Aug-1, 2018



EXHIBIT "A"

HOURLY CHARGES FOR PERSONNEL

Staff	Current Rate	2018 Rates	City of GG Discounted Rate
Senior Principal Engineer/Geologist	\$190	\$295	\$220
Principal Engineer/Geologist	\$160	\$245	\$200
Associate Engineer/Geologist	\$140	\$210	\$180
Senior Engineer/Geologist	\$130	\$195	\$170
Project Engineer/Geologist	\$115	\$175	\$150
Staff Engineer/Geologist	\$100	\$145	\$130
Senior Technician/Prevailing Wage	\$89	\$140	\$130
Laboratory Technician	\$80	\$90	\$90
Designer/Illustrator/AutoCad	\$75	\$100	\$85
Technical Support	\$55	\$80	\$70

CHARGES FOR EQUIPMENT

Equipment		Current Rate	City of Garden Grove Discounted Rates
Vehicles:	Vehicle	No Charge	\$8.00/hour
	Mileage	No Charge	\$0.55/mile
Nuclear Density Gauge		No Charge	\$8.00/hour

OTHER CHARGES

Outside services will be charged at cost plus 15%. **City of Garden Grove discounted rate is 10%.**

Technicians and support personnel time for work over eight (8) hours per day will be charged at 1.50 times the regular rate. Holiday and weekend hours (all hours) will be charged 2 times the regular rates.

Laboratory testing fees to be submitted upon request per attached.

LITIGATION FEES

Fees for participation in disposition, arbitration, trial, etc., will be charged at an hourly rate of \$400 per-hour, 4-hour minimum, portal to portal.

Group Delta Consultants, Inc.

Schedule of Fees 2018

LABORATORY TESTING (unit cost)

SOIL AND ROCK TESTS

CLASSIFICATION AND INDEX TESTS:

Atterberg Limits, Plasticity Index (ASTM D4318)	\$165
Non Plastic	\$115
Moisture Content (ASTM D2216)	\$30
Sieve Analysis % Passing #200 Sieve (ASTM D1140)	\$60
Sieve Analysis w/o Hydrometer (ASTM D422).....	\$120
Sieve Analysis w/ Hydrometer (ASTM D422).....	\$210
pH of Soil (CTM 643)	\$45
Soil Resistivity (CTM 643).....	\$90
Soluble Sulfate (CTM 417)	\$45
Soil Chloride Content (CTM 422)	\$65
Corrosivity Series; Sulfate, Chloride, pH, Resistivity (CTM643, 417, 422)	\$245
Specific Gravity of Soil (ASTM D854)	\$120
Unit Weight/Moisture Content, wax (ASTM D2937)	\$45
Unit Weight/Moisture Content, Shelby tube (ASTM D2937)	\$65
Unit Weight/Moisture Content, ring sample (ASTM D2937)	\$25

STRENGTH TESTS:

Direct Shear, Residual (ASTM D3080)	\$800
Direct Shear, Consolidated (ASTM D3080)	\$265
Direct Shear, Consolidated (ASTM D3080), Remolded	\$330
R-Value, (ASTM D2844, CTM 301)	\$330
R-Value, Lime Treated in Lab (ASTM D2844, CTM 301)	\$390
R-Value, Aggregate Base (ASTM D2844, CTM 301).....	\$375
California Bearing Ratio (D1883).....	\$800
Torsional Ring Shear (ASTM D7608)	\$780
Vane Shear Test (ASTM D4648)	\$45
Unconfined Compression (ASTM D2166)	\$175

VOLUMETRIC CHANGE:

Consolidation Test (ASTM D2435), w/o time rate	\$265
Consolidation Test (ASTM D2435), w/ time rate	\$350
Consolidation Test (ASTM D2435), single point.....	\$145
Free Swell	\$235
Double Odometer	\$395
Expansion Index (ASTM D4829)	\$90
Response to Wetting (ASTM D4546)	\$105
Soil Suction (ASTM D5298)	Quote

PERMEABILITY:

Permeability of Granular Soil (ASTM D2434).....	Quote
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SOIL AND ROCK TESTS

COMPACTION:

Maximum Density and Optimum Moisture (ASTM D1557)	
4" Mold.....	\$220
4" with rock correction.....	\$235
6" Mold.....	\$250
6" with rock correction.....	\$265
Maximum Density Check Point (ASTM D1557)	\$60
Moisture Density of Soil-Cement Mixtures (ASTM D558).....	Quote
California Impact Compaction, test only (CTM 216)	\$200

AGGREGATE/SUBGRADE:

Abrasion Test (ASTM C131/C535)	
100 and 500 Revs	\$250
500 & 1000 Revs.....	\$275
200 and 1000 Rev	\$275
500 revs only.....	\$125
1000 revs only.....	\$150
Clay Lumps/Friable Particles (ASTM C142).....	\$120
Durability Index, Coarse (ASTM D3744/CTM229)	\$135
Durability Index, Fine (ASTM D3744/CTM229)	\$115
Durability Index, Coarse & Fine (ASTM D3744/CTM229).....	\$250
Organic Impurities (ASTM C40)	\$80
Percent Fractured Aggregate (ASTM D5821) per sieve size	\$30
Fine Aggregate Angularity (ASTM C1252)	\$200
Sand Equivalent (ASTM D2419).....	\$115
Sieve Analysis (ASTM C136)	
fine aggregate.....	\$120
coarse aggregate	\$105
Specific Gravity and Absorption:	
fine aggregate (ASTM C128)	\$165
coarse aggregate (ASTM C127)	\$105
Sulfate Soundness (ASTM C88) per sieve size	\$150
Cleaness Value (CTM 227).....	\$145
Flat & Elongated Particles, (ASTM D4791) Per Screen Size	\$30
Unit Weight of Aggregate, loose/dry rod (ASTM C29)	\$80

SAMPLE PREPARATION

Sample preparation such as hand-cutting of samples, extraction from samplers, processing, and mixing of stabilized soils will be charged in addition to the individual test at the Engineering Technician hourly rate..... \$85

Group Delta Consultants, Inc.

Schedule of Fees 2018

LABORATORY TESTING, CONTINUED (unit cost)

CONSTRUCTION MATERIALS

ASPHALT CONCRETE:

Bulk Specific Gravity of Core, Coated (CTM 308, ASTM D1188)	\$40
Hveem Unit Weight (CTM 304/308), set of 3	\$235
Hveem Unit Weight (ASTM D2726), set of 2	\$190
Stabilometer /Hveem set of 2 (ASTM1560)	\$335
Stabilometer /Hveem set of 3 (CTM 366)	\$360
Stabilometer Value Only, set of 3 without Unit Weight (CTM 366).....	\$270
Bulk Sp. Gravity (Rice) (ASTM D2041).....	\$160
Bulk Sp. Gravity (Rice) (CT309)	\$80
Asphalt Concrete JMF Verification.....	Quote
Marshall Unit Weight (ASTM D1559), 3 plug average	\$225
Marshall Stability/Flow (ASTM D1560), set	\$285
Percent Bitumen (CTM 382)	\$125
Percent Bitumen & Gradation of Extracted Sample (CTM 382/202)	\$240
Film Stripping (CTM 302)	\$235
HMA Moisture Content (CTM 371).....	\$40
Ignition Oven Correction Factor Aggregate and oil.....	\$780
Ignition Oven Correction Factor Aggregate and oil w/ RAP	\$900
Hveem AC Mix Design.....	Quote
Marshall AC Mix Design	Quote
Tensile Strength Ratio (TSR).....	Quote

REINFORCED CONCRETE TESTS:

Compressive Strength, per cylinder (ASTM C39)	\$35
Compressive Strength, per core (ASTM C39/42)	\$65
Flexural Strength, 6x6x18 beam (ASTM C78).....	\$90
Compressive Strength, Shotcrete Panel, Set of 3 (ASTM C39/42).....	\$330
Compressive Strength of Shotcrete, per core.....	\$65
Removal of Shotcrete Cores, In Lab, each	\$80
Compressive Strength, Light Weight Concrete Fill	\$35
Compressive Strength, Soil Cement	\$40
Drying Shrinkage, 3 specimens, 28-day.....	\$375

Modulus of Elasticity (ASTM C469)\$225

CONSTRUCTION MATERIALS

REINFORCED CONCRETE TESTS: (cont.)

Tensile Strength, Splitting (ASTM C496)	\$100
Petrographic Analysis of Cementitious Mat.....	Quote
Cement Content Analysis of Conc. (ASTM C1084)	Quote
Coefficient of Thermal Expansion.....	Quote
Concrete Trial Batch w/ lab testing.....	Quote

STRUCTURAL MASONRY:

Compressive Strength Prism, All Sizes, each.....	\$120
Compressive Strength of Masonry Block, Set of 3 (ASTM C140)	\$360
Linear Shrinkage of Masonry Blk., set of 3 (ASTM C426)	\$330
Shear Test of Masonry Cores, 6" (DSA).....	\$100
Compressive Strength of Masonry Cores, 6"	\$65
Dimensions of Masonry Block, Set of 3 (ASTM C140)	\$60
Absorption of Masonry Block (ASTM C140), Set of 3	\$125
Unit Weight and Absorb. of Masonry Block (ASTM C140), Set of 3	\$120
Moisture Content of Masonry Block (ASTM C140), Set of 3	\$100
Mortar Compressive Strength 2x4, per cylinder (UBC STD 21-16)	\$45
Grout Compressive Strength 2x2x2, per cube (ASTM C109).....	\$35
3x3x6, per cube (UBC STD 21-18)	\$65
Brick Compressive Strength, 5 brick set (ASTM C67)	\$265
Brick Absorption Test (ASTM C67) 5 or 24-hour submersion, 5 brick set	\$265
1, 2, or 5-hour boiling, 5 brick set	\$265
Efflorescence, Brick, 5 brick set (ASTM C67).....	\$264
Modulus of Rupture, 5 brick set (ASTM C67).....	\$190
Moisture As-Received, 5 brick set (ASTM C67)	\$164
Saturation Coefficient/Absorption, 5 brick set (requires 24 hr. Submersion and 5 hr. boil Absorption test prior to calculation)	\$130

Group Delta Consultants, Inc.

Schedule of Fees 2018

LABORATORY TESTING, CONTINUED (unit cost)

CONSTRUCTION MATERIALS

STRUCTURAL STEEL:

High Strength Bolt Testing (ASTM F606)	
Hardness, bolt, washer, or nut, each	\$25
Bolt Wedge Tensile, each.....	\$75
Bolt Proof Load, each.....	\$60
Nut Proof Load, each	\$50
Bolt Assembly Test Series, Set of 3	\$780
Set-Up, if less than three bolts are submitted.....	\$80
Rebar, Tensile Test (ASTM A370)	
No. 3 bar to No. 14 bar	\$75
No. 18 bar	\$200
Rebar, Bend Test (ASTM A370).....	\$55
Welded Rebar – Hoops (CTM 670)	\$75
Mechanically Spliced (CTM 670)	
No. 3 bar to No. 14 bar	\$100
No. 18 bar	\$200
Slippage Test in Addition to Tensile, each	\$75
Structural Steel, Tensile Test (ASTM A370)	
100k or less	\$85
101k-200k	\$105

STRUCTURAL STEEL: (cont.)

Structural Steel, Bend Test.....	\$75
Structural Steel, Pipe Flattening Test	\$60
Seven Wire Strand, Tensile/MOE (ASTM A416)	\$230
Seven Wire Strand, Tensile Only (ASTM A416)	\$155
Machining and Prep. of Structural Steel.....	Quote
Structural Steel Chemical Analysis	Quote
Skidmore Bolt Calibration, In Lab.....	\$160
Weld Procedure Qualification Test, Rebar	\$325
Welder Qualification Test, Rebar	\$175
Weld Procedure Qualification Test	\$375
Welder Qualification Test.....	Quote
Carbon Equivalent	\$130
Carbon Equivalent, Including Calculation.....	\$200
Macroetch Test of Welds	\$90
Nelson Stud Tensile (ASTM A370)	Quote
Charpy Impact Testing.....	Quote

FIREPROOFING:

Spray-Applied Fireproofing, Density (ASTM E605)	
Oven-Dry Method	\$60
Displacement Method.....	\$75