

OFFICE OF THE CITY ATTORNEY
CHARLES PARKIN, City Attorney
411 West Ocean Boulevard, 9th Floor
Long Beach, CA 90802-4664

THIRD AMENDMENT TO AGREEMENT NO. 34486

34486

THIS THIRD AMENDMENT TO AGREEMENT 34486 is made and entered, in duplicate, as of December 1, 2020, for reference purposes only, pursuant to a minute order adopted by the City Council of the City of Long Beach at its meeting on December 20, 2016, by and between NINYO & MOORE GEOTECHNICAL & ENVIRONMENTAL SCIENCES CONSULTANTS, a California corporation ("Consultant"), with a place of business at 475 Goddard, Suite 200, Irvine, California 92618, and the CITY OF LONG BEACH, a municipal corporation ("City").

WHEREAS, City and Consultant (the "Parties") entered into Agreement No. 34486 (the "Agreement") whereby Consultant agreed to provide as-needed construction materials testing and inspection services; and

WHEREAS, the Parties entered into a First Amendment to the Agreement to add \$1,000,000 for a total not to exceed amount of \$2,000,000 and extend the term to December 31, 2020; and

WHEREAS, the Parties entered into a Second Amendment to the Agreement to extend the term to December 31, 2021; and

WHEREAS, the Parties desire to amend the Agreement by attaching an updated rate sheet;

NOW, THEREFORE, in consideration of the mutual terms, covenants, and conditions herein contained, the Parties agree as follows:

1. The Rates in Exhibit "B" to the Agreement are hereby amended in accordance with Exhibit "B-1", attached hereto and incorporated by this reference.

2. Except as expressly amended herein, all terms and conditions in Agreement No. 34486 are ratified and confirmed and shall remain in full force and effect.

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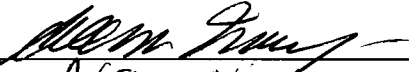
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IN WITNESS WHEREOF, the Parties have caused this document to be duly executed with all formalities required by law as of the date first stated above.

NINYO & MOORE GEOTECHNICAL &
ENVIRONMENTAL SCIENCES
CONSULTANTS, a California corporation

December 10, 2020

By 
Name Avram Ninyo
Title President

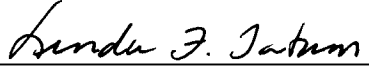
December 10, 2020

By 
Name Elaine O. Autus
Title Assistant Secretary

"Consultant"

CITY OF LONG BEACH, a municipal corporation

December 22, 2020

By 

City Manager
**EXECUTED PURSUANT
TO SECTION 301 OF
THE CITY CHARTER**

"City"

This Third Amendment to Agreement No. 34486 is approved as to form on

December 17, 2020.

CHARLES PARKIN, City Attorney


By 
Deputy

EXHIBIT “B-1”

Rates or Charges

Schedule of Fees

Hourly Charges for Personnel

Principal Engineer/Geologist/Environmental Scientist	\$ 188
Senior Engineer/Geologist/Environmental Scientist	\$ 178
Senior Project Engineer/Geologist/Environmental Scientist	\$ 173
Project Engineer/Geologist/Environmental Scientist	\$ 165
Senior Staff Engineer/Geologist/Environmental Scientist	\$ 150
Staff Engineer/Geologist/Environmental Scientist	\$ 134
GIS Analyst	\$ 123
Field Operations Manager	\$ 119
Supervisory Technician*	\$ 97
Nondestructive Examination Technician*, UT, MT, LP	\$ 102
ACI Concrete Technician*	\$ 102
Concrete/Asphalt Batch Plant Inspector*	\$ 102
Special Inspector (Concrete, Masonry, Steel, Welding, and Fireproofing)*	\$ 102
Senior Field/Laboratory Technician*	\$ 102
Field/Laboratory Technician*	\$ 102
Technical Illustrator/CAD Operator	\$ 98
Information Specialist	\$ 83
Geotechnical/Environmental/Laboratory Assistant	\$ 81
Data Processing, Technical Editing, or Reproduction	\$ 72

Other Charges

Expert Witness Testimony	\$ 400/hr
PID/FID Usage	\$ 150/day
Concrete Coring Equipment (includes one technician)	\$ 160/hr
Anchor load test equipment (includes technician)	\$ 103/hr
Hand Auger Equipment	\$ 69/day
Inclinometer Usage	\$ 45/hr
Vapor Emission Kits	\$ 45/kit
Level D Personal Protective Equipment (per person per day)	\$ 35/p/d
Rebar Locator (Pachometer)	\$ 35/hr
Nuclear Density Gauge Usage	\$ 10/hr
Field Vehicle Usage	\$ 0/hr
Direct Project Expenses	At Cost
Laboratory testing, geophysical equipment, and other special equipment provided upon request.	

Schedule of Fees for Laboratory Testing

Laboratory Test, Test Designation, and Price Per Test

SOILS

Atterberg Limits, D 4318, CT 204	\$ 160
California Bearing Ratio (CBR), D 1883	\$ 485
Chloride and Sulfate Content, CT 417 & CT 422	\$ 175
Consolidation, D 2435, CT 219	\$ 300
Consolidation - Time Rate, D 2435, CT 219	\$ 75
Direct Shear - Remolded, D 3080	\$ 325
Direct Shear - Undisturbed, D 3080	\$ 275
Durability Index, CT 229	\$ 165
Expansion Index, D 4829, IBC 18-3	\$ 180
Expansion Potential (Method A), D 4546	\$ 160
Geofabric Tensile and Elongation Test, D 4632	\$ 180
Hydraulic Conductivity, D 5084	\$ 330
Hydrometer Analysis, D 422, CT 203	\$ 220
Moisture, Ash, & Organic Matter of Peat/Organic Soils	\$ 120
Moisture Only, D 2216, CT 226	\$ 35
Moisture and Density, D 2937	\$ 45
Permeability, CH, D 2434, CT 220	\$ 255
pH and Resistivity, CT 643	\$ 175
Proctor Density D 1557, D 698, CT 216, & AASHTO T-180 (Rock corrections add \$100)	\$ 200
R-value, D 2844, CT 301	\$ 295
Sand Equivalent, D 2419, CT 217	\$ 110
Sieve Analysis, D 422, CT 202	\$ 130
Sieve Analysis, 200 Wash, D 1140, CT 202	\$ 100
Specific Gravity, D 854	\$ 100
Thermal Resistivity (ASTM 5334, IEEE 442)	\$ 880
Triaxial Shear, C.D., D 4767, T 297	\$ 430
Triaxial Shear, C.U., w/pore pressure, D 4767, T 2297 per pt	\$ 365
Triaxial Shear, C.U., w/o pore pressure, D 4767, T 2297 per pt	\$ 210
Triaxial Shear, U.U., D 2850	\$ 155
Unconfined Compression, D 2166, T 208	\$ 120
Wax Density, D 1188	\$ 100

MASONRY

Brick Absorption, 24-hour submersion, C 67	\$ 50
Brick Absorption, 5-hour boiling, C 67	\$ 60
Brick Absorption, 7-day, C 67	\$ 65
Brick Compression Test, C 67	\$ 50
Brick Efflorescence, C 67	\$ 50
Brick Modulus of Rupture, C 67	\$ 45
Brick Moisture as received, C 67	\$ 40
Brick Saturation Coefficient, C 67	\$ 55
Concrete Block Compression Test, 8x8x16, C 140	\$ 65
Concrete Block Conformance Package, C 90	\$ 485
Concrete Block Linear Shrinkage, C 426	\$ 135
Concrete Block Unit Weight and Absorption, C 140	\$ 60
Cores, Compression or Shear Bond, CA Code	\$ 60
Masonry Grout, 3x3x6 prism compression, C 39	\$ 35
Masonry Mortar, 2x4 cylinder compression, C 109	\$ 35
Masonry Prism, half size, compression, C 1019	\$ 120
Masonry Prism, Full size, compression, C 1019	\$ 185

REINFORCING AND STRUCTURAL STEEL

Chemical Analysis, A 36, A 615	\$ 135
Fireproofing Density Test, UBC 7-6	\$ 60
Hardness Test, Rockwell, A 370	\$ 70
High Strength Bolt, Nut & Washer Conformance, per assembly, A 325	\$ 130
Mechanically Spliced Reinforcing Tensile Test, ACI	\$ 150
Pre-Stress Strand (7 wire), A 416	\$ 170
Reinforcing Tensile or Bend up to No. 11, A 615 & A 706	\$ 55
Structural Steel Tensile Test: Up to 200,000 lbs. (machining extra), A 370	\$ 80
Welded Reinforcing Tensile Test: Up to No. 11 bars, ACI	\$ 60

CONCRETE

Compression Tests, 6x12 Cylinder, C 39	\$ 25
Concrete Mix Design Review, Job Spec	\$ 155
Concrete Mix Design, per Trial Batch, 6 cylinder, ACI	\$ 825
Concrete Cores, Compression (excludes sampling), C 42	\$ 60
Drying Shrinkage, C 157	\$ 350
Flexural Test, C 78	\$ 65
Flexural Test, C 293	\$ 60
Flexural Test, CT 523	\$ 80
Gunite/Shotcrete, Panels, 3 cut cores per panel and test, ACI Jobsite Testing Laboratory	\$ 275 Quote
Lightweight Concrete Fill, Compression, C 495	\$ 45
Petrographic Analysis, C 856	\$ 1,900
Restrained Expansion of Shrinkage Compensation	\$ 270
Splitting Tensile Strength, C 496	\$ 90
3x6 Grout, (CLSM), C 39	\$ 45
2x2x2 Non-Shrink Grout, C 109	\$ 45

ASPHALT CONCRETE

Air Voids, T 269	\$ 50
Asphalt Mix Design, Caltrans (excl. Aggregate Quality)	\$ 2,800
Asphalt Mix Design Review, Job Spec	\$ 165
Dust Proportioning, CT LP-4	\$ 50
Extraction, % Asphalt, including Gradation, D 2172, CT 382	\$ 240
Film Stripping, CT 302	\$ 110
Hveem Stability and Unit Weight D 1560, T 246, CT 366	\$ 215
Marshall Stability, Flow and Unit Weight, T 245	\$ 240
Maximum Theoretical Unit Weight, D 2041, CT 309	\$ 150
Moisture Content, CT 370	\$ 85
Moisture Susceptibility and Tensile Stress Ratio, T 238, CT 371	\$ 1,000
Slurry Wet Track Abrasion, D 3910	\$ 150
SuperPave, Asphalt Mix Verification (incl. Aggregate Quality)	\$ 5,200
SuperPave, Gyration Unit Wt., T 312	\$ 75
SuperPave, Hamburg Wheel, 20,000 passes, T 324	\$ 1,000
Unit Weight sample or core, D 2726, CT 308	\$ 100
Voids in Mineral Aggregate, (VMA) CT LP-2	\$ 50
Voids filled with Asphalt, (VFA) CT LP-3	\$ 50

AGGREGATES

Clay Lumps and Friable Particles, C 142	\$ 160
Cleanness Value, CT 227	\$ 160
Crushed Particles, CT 205	\$ 165
Durability, Coarse or Fine, CT 229	\$ 195
Fine Aggregate Angularity, ASTM C 1252, T 304, CT 234	\$ 180
Flat and Elongated Particle, D 4791	\$ 220
Lightweight Particles, C 123	\$ 180
Los Angeles Abrasion, C 131 or C 535	\$ 200
Material Finer than No. 200 Sieve by Washing, C 117	\$ 75
Organic Impurities, C 40	\$ 80
Potential Alkali Reactivity, Mortar Bar Method, Coarse, C 1260	\$ 950
Potential Alkali Reactivity, Mortar Bar Method, Fine, C 1260	\$ 1,250
Potential Reactivity of Aggregate (Chemical Method), C 289	\$ 450
Sand Equivalent, T 176, CT 217	\$ 110
Sieve Analysis, Coarse Aggregate, T 27, C 136	\$ 115
Sieve Analysis, Fine Aggregate (including wash), T 27, C 136	\$ 130
Sodium Sulfate Soundness, C 88	\$ 450
Specific Gravity and Absorption, Coarse, C 127, CT 206	\$ 100
Specific Gravity and Absorption, Fine, C 128, CT 207	\$ 160

ROOFING

Roofing Tile Absorption, (set of 5), C 67	\$ 210
Roofing Tile Strength Test, (set of 5), C 67	\$ 210

Special preparation of standard test specimens will be charged at the technician's hourly rate.
Ninyo & Moore is accredited to perform the AASHTO equivalent of many ASTM test procedures.