

1 FOURTH AMENDMENT TO AGREEMENT NO. 34490

2 **34490**

3 THIS FOURTH AMENDMENT TO AGREEMENT NO. 34490 is made and  
4 entered, as of October 14, 2022, for reference purposes only, pursuant to a minute order  
5 adopted by the City Council of the City of Long Beach at its meeting on October 11, 2022,  
6 by and between KLEINFELDER, INC., a California corporation ("Consultant"), with a place  
7 of business at 20411 South Susana Road, Long Beach, California 90813, and the CITY  
8 OF LONG BEACH, a municipal corporation ("City").

9 WHEREAS, City and Consultant (the "Parties") entered into Agreement No.  
10 34490 (the "Agreement") whereby Consultant agreed to provide as-needed construction  
11 materials testing and inspection services in an amount not to exceed Three Million Dollars  
12 (\$3,000,000) for a period of three (3) years, with the option to renew for two (2) additional  
13 one-year periods, at the discretion of the City Manager; and

14 WHEREAS, the Parties entered into a First Amendment to the Agreement to  
15 add Two Million Dollars (\$2,000,000) for a total not to exceed amount of Five Million Dollars  
16 (\$5,000,000), and extend the term to December 31, 2020; and

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

19 WHEREAS, on August 3, 2021, City Council approved extending the  
20 Agreement one (1) additional one-year period; and

21 WHEREAS, the Parties entered into a Third Amendment to the Agreement  
22 to extend the term to December 31, 2022; and

23 WHEREAS, on October 11, 2022, City Council approved extending the  
24 Agreement one (1) additional one-year period; and

25 WHEREAS, the Parties desire to extend the term one (1) additional one-year  
26 period, and attach an updated rate sheet;

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

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

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Lona Beach, CA 90802-4664

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1. Section 2 of the Agreement is hereby amended to read as follows:

"2. TERM. The term of this Agreement shall commence at midnight on January 1, 2017, and shall terminate at 11:59 p.m. on December 31, 2023, unless sooner terminated as provided in this Agreement, or unless the services or the Project is completed sooner."

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

3. Except as expressly amended herein, all terms and conditions in Agreement No. 34490 are ratified and confirmed and shall remain in full force and effect.

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.

KLEINFELDER, INC., a California corporation

\_\_\_\_\_, 2022

By \_\_\_\_\_  
Name Mark Peabody  
Title Vice President

\_\_\_\_\_, 2022

By \_\_\_\_\_  
Name Dan Brockman  
Title Assistant Secretary

"Consultant"

CITY OF LONG BEACH, a municipal corporation

November 11, 2022

By Linda J. Iatun  
City Manager

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

This Fourth Amendment to Agreement No. 34490 is approved on

NOVEMBER 3, 2022.

CHARLES PARKIN, City Attorney

By \_\_\_\_\_  
Deputy

## Exhibit B-1 - Updated Rates



SCHEDULE OF RATES FOR SERVICES FOR CITY OF LONG BEACH  
AS NEEDED CONSTRUCTION MATERIALS TESTING AND INSPECTION  
JANUARY 1, 2023 TO DECEMBER 31, 2023

Title	Hourly Rate
Staff Professional	\$164.80
Registered Civil Engineer	\$180.25
Registered Geotechnical Engineer	\$195.70
Principal/Principal Professional	\$226.60
Administrative	\$77.25
Technician	\$113.30*
Special Inspector	\$113.30*
CADD Operator	\$103.00

\*This rate applies to non-PLA projects; PLA projects require additional fees.  
\*Industry standard 4 and 8 hour minimums apply.

No mileage, transportation charges or per diem allowed.  
Pre-approved reimbursable items charged at cost.  
Sub-consultants billed at cost.  
Rates can only be changed by amendment.  
Pre-approved overtime will be charged at time and a half.



**SCHEDULE OF RATES FOR SERVICES FOR CITY OF LONG BEACH**  
**AS NEEDED CONSTRUCTION MATERIALS TESTING AND INSPECTION**  
**JANUARY 1, 2023 TO DECEMBER 31, 2023**

**SOIL TESTS**

<b>SOIL DENSITY TESTS</b>				
<b>Test</b>	<b>Standard Test Method<sup>†</sup></b>	<b>Fee</b>		
Standard Proctor, 4" Mold	D698, T99	\$	240.00	each
Standard Proctor, 6" Mold	D698, T99	\$	240.00	each
Modified Proctor, 4" Mold	D1557, T180	\$	240.00	each
Modified Proctor, 6" Mold	D1557, T180	\$	240.00	each
Proctor Check Point	T272	\$	125.00	each
Proctor Oversize Correction	D4718	\$	70.00	each
Treated Soil Proctor	D558	\$	320.00	each
Minimum and Maximum Relative Density	D4254, D4253	\$	400.00	each
Moisture/Density, TEX 113-E	TEX113-E	\$	275.00	each
Moisture/Density, TEX 114-E	TEX114-E	\$	275.00	each
California Impact, CTM 216, Dry Method	CTM216	\$	225.00	each
California Impact, CTM 216, Wet Method	CTM216	\$	195.00	each

<b>SOIL CLASSIFICATION AND INDEX TESTS</b>				
<b>Test</b>	<b>Standard Test Method<sup>†</sup></b>	<b>Fee</b>		
Visual Classification	D2488	\$	20.00	each
Sieve Analysis, % Finer than 200 Sieve	D1140	\$	85.00	each
Sieve Analysis, Fine	D422, D6913, T88	\$	125.00	each
Sieve Analysis, Coarse	D422, D6913, T88	\$	125.00	each
Sieve Analysis, Coarse and Fine	D422, D6913, T88	\$	160.00	each
Hydrometer Analysis ( <i>Requires a Sieve Analysis, not included</i> )	D422, D7928	\$	175.00	each
Water Content	D2216, D4363, T265	\$	25.00	each
Water Content and Dry Unit Weight	D2216, D2937, D7263	\$	45.00	each
Atterberg Limits, Single Point	D4318-B, T89, T90	\$	115.00	each
Atterberg Limits, Multiple Point	D4318-A, T89, T90	\$	180.00	each
Atterberg Limits, Liquid Limit Only	D4318, T90	\$	115.00	each
Soil Specific Gravity	D854, T100	\$	150.00	each
Soil Organic Content	D2974-C	\$	110.00	each
Pinhole Dispersion Classification	D4647	\$	400.00	each
Soil pH	D4972, G51	\$	60.00	each
Double Hydrometer for Dispersive Soils	D4221	\$	400.00	each
Soil Resistivity	G187	\$	160.00	each
Chloride Content		\$	60.00	each
Sulfate Content		\$	60.00	each
Thermal Resistivity, Per Point	D5334, IEEE 422	\$	315.00	each
Thermal Resistivity, Dry-Out Curve	D5334, IEEE 422	\$	925.00	each

<b>SOIL BEARING PRESSURE TESTS</b>				
<b>Test</b>	<b>Standard Test Method<sup>†</sup></b>	<b>Fee</b>		
California Bearing Ratio, Single Point ( <i>proctor not included</i> )	D1883, T193	\$	350.00	each
California Bearing Ratio, 3 Points ( <i>proctor not included</i> )	D1883, T193	\$	650.00	each

<sup>†</sup>Common ASTM, AASHTO and DOT test methods.

- Those beginning with A, B, C, D, E, F, or G are ASTM methods.
- Those beginning with T are AASHTO methods.



**SCHEDULE OF RATES FOR SERVICES FOR CITY OF LONG BEACH  
AS NEEDED CONSTRUCTION MATERIALS TESTING AND INSPECTION  
JANUARY 1, 2023 TO DECEMBER 31, 2023**

**SOIL TESTS (continued)**

<b>SOIL BEARING PRESSURE TESTS (continued)</b>				
<b>Test</b>	<b>Standard Test Method†</b>	<b>Fee</b>		
Resistance R-Value	D2844	\$	315.00	each
Resistance R-Value of Treated Material	D2844	\$	370.00	each
Rock Correction for R-Value	D2844	\$	85.00	each
Stabilized Soil UC Strength, 1 Point ( <i>proctor not included</i> )	D1633, D5102	\$	175.00	each
Stabilized Soil UC Strength, Set of 3	D1633, D5102	\$	950.00	each
CTM 373, 1 Lime Content, w/o Opt. Moist.	CTM373	\$	160.00	each
CTM 373, 1 Lime Content	CTM373	\$	365.00	each
CTM 373, 3 Lime Contents	CTM373	\$	1,050.00	each
Eades and Grim Test (Opt. Lime Content)	C977	\$	175.00	each
Resilient Modulus	T307	\$	475.00	each
CTB Strength, Individual Specimen		\$	185.00	each
CTB Strength, Set of 3, Without Design		\$	420.00	each
CTB Complete Mix Design		\$	1,250.00	each

<b>SOIL STRENGTH AND PERMEABILITY TESTS</b>				
<b>Test</b>	<b>Standard Test Method†</b>	<b>Fee</b>		
Pocket Penetration Value		\$	15.00	each
Unconfined Compressive Strength	D2166, T208	\$	140.00	each
Direct Shear, 1 Point	D3080, T236	\$	135.00	each
Direct Shear, 3 Points	D3080, T236	\$	370.00	each
Direct Shear, Residual Strength, Each Pt	D3080-Modified	\$	210.00	each
Consolidation without Time Rate Plots	D2435-Modified	\$	345.00	each
Consolidation with 2 Time Rate Plots	D2435-A, T216-A	\$	450.00	each
Consolidation, All Loads with Time Rates	D2435-B, T216-B	\$	630.00	each
Collapse Potential	D5333	\$	185.00	each
One Dimensional Free Swell	D4546	\$	155.00	each
One Dimensional Swell, Percent Heave	D4546	\$	250.00	each
One Dimensional Swell with Consolidation	D4546	\$	465.00	each
Expansion Index	D4829	\$	185.00	each
Denver Swell Test		\$	110.00	each
Permeability, Rigid Wall	D2434	\$	420.00	each
Permeability, Flexible Wall	D5084-C	\$	380.00	each
Triaxial Compression, CU, 1 Point	D4767, T297	\$	475.00	each
Triaxial Compression, CU, 3 Points	D4767, T297	\$	1,250.00	each
Triaxial Compression, UU, 1 Point	D2850, T296	\$	210.00	each
Triaxial Compression, UU, 3 Points	D2850, T296	\$	575.00	each
Triaxial Compression, UU Saturated, 1 Point	D2850-Modified	\$	285.00	each
Triaxial Compression, UU Saturated, 3 Points	D2850-Modified	\$	790.00	each
Triaxial Test, TEX117E, Part I	TEX117E	\$	2,250.00	each
Triaxial Test, TEX117E, Part II	TEX117E	\$	2,250.00	each

†Common ASTM, AASHTO and DOT test methods.

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- Those beginning with T are AASHTO methods.



**SCHEDULE OF RATES FOR SERVICES FOR CITY OF LONG BEACH**  
**AS NEEDED CONSTRUCTION MATERIALS TESTING AND INSPECTION**  
**JANUARY 1, 2023 TO DECEMBER 31, 2023**

**AGGREGATE TESTS**

<b>Test</b>	<b>Standard Test Method<sup>†</sup></b>	<b>Fee</b>		
Acid Solubility	AWWA B100	\$	175.00	each
Air Degradation	ODT TM208	\$	200.00	each
ASR Reactivity, Long Method	C227, C1293	\$	1,575.00	each
ASR Reactivity, Short Method	C1260, C1567	\$	895.00	each
Cleanness Value	CTM227	\$	160.00	each
Clay Lumps and Friable Particles, per size <i>*(see note below)</i>	C142, T112	\$	105.00	each
Coarse Specific Gravity & Absorption	C127, T85	\$	80.00	each
Fine Specific Gravity & Absorption	C128, T84	\$	105.00	each
Coarse Durability	D3744, T210	\$	140.00	each
Fine Durability	D3744, T210	\$	140.00	each
Flat and Elongated Particles, per size <i>*(see note below)</i>	D4791	\$	80.00	each
Fractured Faces, per size <i>*(see note below)</i>	D5821, T335	\$	105.00	each
Lightweight Pieces <i>(Per specific gravity of heavy liquid)</i>	C123, T113	\$	330.00	each
Los Angeles Abrasion, Large Aggregate	C535	\$	210.00	each
Los Angeles Abrasion, Small Aggregate	C131, T96	\$	185.00	each
Mortar Sand Strength	C87, CTM515	\$	580.00	each
Organic Impurities	C40, T21	\$	65.00	each
Sand Equivalent, 1 point	D2419, T176	\$	75.00	each
Sand Equivalent, 3 points	D2419, T176	\$	140.00	each
Sieve Analysis, % Finer than 200 Sieve	C117, T11	\$	85.00	each
Sieve Analysis, Fine	C136, T27	\$	125.00	each
Sieve Analysis, Coarse	C136, T27	\$	125.00	each
Sieve Analysis, Coarse and Fine	C136, T27	\$	160.00	each
Soundness of Aggregate, per size <i>*(see note below)</i>	C88, T104	\$	145.00	each
Unit Weight	C29, T19	\$	65.00	each
Water Content	D2216, C566, T255	\$	25.00	each
Texas Wet Ball Mill	TEX116E	\$	300.00	each
Decantation Wash	TEX406A	\$	90.00	each
Uncompacted Void Content of Fine Aggregate	C1252, T304	\$	135.00	each
Idaho Degradation	IDT T-15	\$	330.00	each
<i>*Tests are billed by each size fraction tested. The quantity of fractions tested is dependent on the sample gradation and test method.</i>				

**FILTER MEDIA TESTS**

<b>Test</b>	<b>Standard Test Method<sup>†</sup></b>	<b>Fee</b>		
Filter Media, Sieve Analysis <i>(includes d10, d60, es, cu)</i>	AWWA B100	\$	185.00	each
Filter Media, Mohs Hardness	AWWA B100	\$	185.00	each
Filter Media, Percent Silica		\$	200.00	each
Acid Solubility	AWWA B100	\$	175.00	each

<sup>†</sup>Common ASTM, AASHTO and DOT test methods.

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- Those beginning with T are AASHTO methods.



**SCHEDULE OF RATES FOR SERVICES FOR CITY OF LONG BEACH  
AS NEEDED CONSTRUCTION MATERIALS TESTING AND INSPECTION  
JANUARY 1, 2023 TO DECEMBER 31, 2023**

**ROCK TESTS**

<b>Test</b>	<b>Standard Test Method<sup>†</sup></b>	<b>Fee</b>		
Rock Sample Preparation		\$	85.00	each
Rock Direct Shear, 1 Point	D5607	\$	150.00	each
Rock Direct Shear, 3 Points	D5607	\$	375.00	each
Rock Mohs Hardness		\$	25.00	each
Rock Point Load Index	D5731	\$	35.00	each
Rock Point Load, Set of 10	D5731	\$	210.00	each
Rock Slake Durability	D4644	\$	135.00	each
Rock Tensile/Brazilian	D3967	\$	215.00	each
Rock Triaxial Compression w/Modulus of Rupture	D7012	\$	560.00	each
Rock Triaxial Compression	D7012	\$	420.00	each
Rock Unconfined Compression	D7012	\$	210.00	each
Rock Unconfined Compression w/Modulus of Rupture	D7012	\$	360.00	each
<i>Above testing fees include routine sample preparation (grinding) and test sample photographs.</i>				

**CONCRETE TESTS**

<b>Test</b>	<b>Standard Test Method<sup>†</sup></b>	<b>Fee</b>		
Concrete Compression	C39	\$	31.00	each
Concrete Core Compression	C42	\$	70.00	each
Concrete Creep	C512	\$	2,000.00	each
Concrete Cylinder Unit Weight	C567	\$	105.00	each
Concrete Drying Shrinkage, set of 3	C157	\$	500.00	each
Concrete Flexural Strength	C78	\$	105.00	each
Concrete Modulus of Elasticity	C469	\$	300.00	each
Concrete Splitting Tensile Strength	C496	\$	90.00	each
Concrete Core Thickness	C174	\$	20.00	each
Concrete Laboratory Trial Batch	C192	\$	1,250.00	each
RCC Compression	C39	\$	65.00	each
Shotcrete Compression	C1140	\$	80.00	each
Concrete Absorption after 3-Hour Boil	C497	\$	160.00	each
Concrete Absorption after 5-Hour Boil	C497, C642	\$	160.00	each
Concrete Absorption after 10-Minute Soak	C497	\$	105.00	each
CLSM Compression	D4832	\$	45.00	each
Concrete Permeability	COE CRD C 48	\$	2,800.00	each
Concrete Chloride Ion Penetration	C1202	\$	750.00	each

<sup>†</sup>Common ASTM, AASHTO and DOT test methods.

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**SCHEDULE OF RATES FOR SERVICES FOR CITY OF LONG BEACH  
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JANUARY 1, 2023 TO DECEMBER 31, 2023**

**MASONRY TESTS**

<b>Test</b>	<b>Standard Test Method<sup>†</sup></b>	<b>Fee</b>		
Masonry Grout Compression	C1019	\$	31.00	each
Masonry Mortar Compression	C942	\$	31.00	each
Masonry Core Compression	CA DSA	\$	70.00	each
Masonry Core Shear	CA DSA	\$	70.00	each
Masonry Prism Compression	C1314	\$	115.00	each
CMU Absorption and Received Moisture	C140	\$	80.00	each
CMU Compression	C140	\$	105.00	each
CMU Dimension Verification	C140	\$	45.00	each
CMU Lineal Shrinkage	C426	\$	250.00	each
Masonry Brick Absorption	C67	\$	85.00	each
CMU/Seg. Retaining Wall Unit Freeze-Thaw		\$	1,750.00	each

**ASPHALT TESTS**

<b>BINDER TESTS</b>				
<b>Test</b>	<b>Standard Test Method<sup>†</sup></b>	<b>Fee</b>		
Absolute Viscosity	D2171	\$	220.00	each
Bitumen Penetration	D5	\$	80.00	each
Kinematic Viscosity	D2170	\$	200.00	each
Recovery by Roto-Vapor	D5404	\$	365.00	each
Softening Point, Ring & Ball	D36	\$	105.00	each
Bitumen Recovery by Abson Method	D5404	\$	375.00	each
Ductility of Bitumen	D113	\$	130.00	each
Resilience of AR Binders	D5329	\$	80.00	each

<b>EMULSION TESTS</b>				
<b>Test</b>	<b>Standard Test Method<sup>†</sup></b>	<b>Fee</b>		
Emulsion Elastic Recovery	D6084, T301	\$	260.00	each
Emulsion Settlement	D6930, T59	\$	235.00	each
Emulsion Sieve Test	D6933, T59	\$	105.00	each
Emulsion Storage Stability	D6930, T59	\$	185.00	each
Emulsion Torsional Recovery	CTM332	\$	160.00	each
Particle Charge	D7402, T59	\$	105.00	each
Residue by Evaporation	D6934, T59	\$	115.00	each
Saybolt Viscosity	D7946, T59	\$	160.00	each

<sup>†</sup>Common ASTM, AASHTO and DOT test methods.

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**SCHEDULE OF RATES FOR SERVICES FOR CITY OF LONG BEACH  
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JANUARY 1, 2023 TO DECEMBER 31, 2023**

**ASPHALT TESTS (continued)**

<b>MIX PROPERTY TESTS</b>				
<b>Test</b>	<b>Standard Test Method<sup>†</sup></b>	<b>Fee</b>		
Air Voids Determination ( <i>calculation only</i> )	D3203	\$	50.00	each
VMA Determination ( <i>calculation only</i> )		\$	55.00	each
VFA Determination ( <i>calculation only</i> )		\$	55.00	each
Volumetric Properties ( <i>calculation only</i> )		\$	55.00	each
Gradation of Extracted Aggregate	D5444	\$	120.00	each
AC Core Thickness	D3549	\$	15.00	each
AC Content by Extraction	D2172	\$	210.00	each
Hveem Stability	D1560	\$	340.00	each
Hveem Stability without Compaction	D1560	\$	175.00	each
AC Content by Ignition Oven	D6307, T308	\$	150.00	each
AC Ignition Oven Calibration ( <i>determination of mix correction</i> )	D6307	\$	315.00	each
AC Moisture Content	T329	\$	55.00	each
AC Content by Nuclear Gauge	D4125	\$	220.00	each
Marshall Stability and Flow ( <i>does not include compaction</i> )	D6927	\$	160.00	each
AC Swell	CTM305	\$	110.00	each
AC Core Unit Weight & Thickness	D1188, D2726, D3549	\$	55.00	each
Slurry Seal Wet Track Abrasion	D3910, ISSA TB100	\$	350.00	each

<b>DESIGN AND DENSITY TESTS</b>				
<b>Test</b>	<b>Standard Test Method<sup>†</sup></b>	<b>Fee</b>		
Centrifuge Kerosene Equivalent	CTM303	\$	250.00	each
Film Stripping	CTM302	\$	130.00	each
Index of Retained Strength	D1075	\$	1,050.00	each
Unit Weight, Gyrotory Method	T312	\$	370.00	each
Unit Weight, Hveem Method	D1561	\$	300.00	each
Unit Weight, Marshall Method	D6926	\$	220.00	each
Maximum Theoretical Specific Gravity	D2041	\$	150.00	each
Moisture Induced Damage	T283	\$	1,470.00	each
Caltrans Tensile Strength Ratio	CTM371	\$	2,200.00	each
Moisture Vapor Susceptibility		\$	300.00	each
Mix Design, Hveem Method W/RAP		\$	7,600.00	each
Mix Design, Hveem Method		\$	5,400.00	each
Mix Design, Marshall Method		\$	3,000.00	each
Mix Design, Superpave Method		\$	6,000.00	each
Caltrans Opt Bitumen Content OGFC	CTM368	\$	1,575.00	each
Hamburg Wheel Track, Set of 2		\$	1,100.00	each

<sup>†</sup>Common ASTM, AASHTO and DOT test methods.

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- Those beginning with T are AASHTO methods.



**SCHEDULE OF RATES FOR SERVICES FOR CITY OF LONG BEACH  
AS NEEDED CONSTRUCTION MATERIALS TESTING AND INSPECTION  
JANUARY 1, 2023 TO DECEMBER 31, 2023**

**METAL TESTS**

<b>BOLT TESTS</b>				
<b>Test</b>	<b>Standard Test Method†</b>	<b>Fee</b>		
Bolt Assembly Suite (Bolt, Nut, Washer)*	F606	\$	200.00	each
Bolt Hardness	E18	\$	30.00	each
Bolt Proof Load	F606	\$	40.00	each
Bolt Wedge Tensile	F606	\$	40.00	each
Nut Hardness	E18	\$	30.00	each
Nut Proof Load	F606	\$	40.00	each
Washer Hardness	E18	\$	30.00	each

*\*An 'assembly' is one bolt, one nut and one washer. The suite consists of a bolt wedge tensile test, bolt and nut proof load tests, and hardness tests on all three pieces.*

<b>METAL TESTS</b>				
<b>Test</b>	<b>Standard Test Method†</b>	<b>Fee</b>		
Bend	A370, E290	\$	40.00	each
Rebar Coupler Slippage	A370, CTM 670	\$	140.00	each
Rebar Coupler Tensile	A370, A1034, CTM 670	\$	90.00	each
Rebar Coupler Tensile $\geq 2$ Sq.In. CrossSect	A370, A1034, CTM 670	\$	150.00	each
CTM 670 Strain (Elongation)	CTM670	\$	20.00	each
PT Strand Tensile	A370, A1061	\$	150.00	each
Spliced Specimen Tensile	A370, A1034	\$	90.00	each
Tensile $< 2.0$ Sq. In. Cross-Sect.	A370, E8	\$	90.00	each
Tensile $\geq 2.0$ Sq. In. Cross-Sect.	A370, E8	\$	150.00	each
Rockwell Hardness	E18	\$	30.00	each
Macroetch	E381	\$	200.00	each
Charpy Impact, Set of 3 *	A370, A673	\$	315.00	each
Galvanization Thickness	B499, E376	\$	25.00	each
Metal Modulus of Elasticity		\$	80.00	each
Fireproofing Density	E605	\$	55.00	each

*\*Machining test specimens is not included. Additional fees may be assessed for testing at temperatures other than 40°F.*

†Common ASTM, AASHTO and DOT test methods.

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**SCHEDULE OF RATES FOR SERVICES FOR CITY OF LONG BEACH  
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JANUARY 1, 2023 TO DECEMBER 31, 2023**

**DIMENSION STONE AND ROOFING MATERIAL TESTS**

<b>DIMENSION STONE</b>				
<b>Test</b>	<b>Standard Test Method<sup>†</sup></b>	<b>Fee</b>		
Dimension Stone, Absorption/Spec. Grav.	C97	\$	220.00	set/5
Dimension Stone, Compressive Strength	C170	\$	220.00	set/5
Dimension Stone, Flexural Strength	C880	\$	220.00	set/5
Dimension Stone, Modulus Of Rupture	C99	\$	220.00	set/5

<b>ROOFING MATERIAL</b>				
<b>Test</b>	<b>Standard Test Method<sup>†</sup></b>	<b>Fee</b>		
Roof Tile Absorption		\$	100.00	each
Roofing, Unit Weight of Surfacing	D2829	\$	100.00	each
Roof Tile Breaking Load	UBC 15-5	\$	50.00	each
Roof Tile, Permeability		\$	150.00	each

**MISCELLANEOUS TESTS**

<b>MISCELLANEOUS TESTS</b>				
<b>Test</b>	<b>Standard Test Method<sup>†</sup></b>	<b>Fee</b>		
Non-Masonry Grout Compression	C579	\$	31.00	each
Hydraulic Ram Calibration		\$	300.00	each
Polymer Composite Materials	D3039	\$	650.00	set/5

**SAMPLE PREPARATION**

<b>SAMPLE PREPARATION</b>				
<b>Test</b>	<b>Standard Test Method<sup>†</sup></b>	<b>Fee</b>		
Rock Sample Preparation	D4543	\$	160.00	each
Sample Crushing		\$	125.00	each
Sample Cutting and Trimming		\$	31.00	each
Sample Mixing and Processing		\$	45.00	each
Sample Preparation		\$	45.00	each
Sample Preparation, per hour		\$	100.00	each
Sample Remolding		\$	80.00	each
Contamination Fee		\$	250.00	each
Sample Disposal Fee		\$	10.00	each

<sup>†</sup>Common ASTM, AASHTO and DOT test methods.

- Those beginning with A, B, C, D, E, F, or G are ASTM methods.
- Those beginning with T are AASHTO methods.

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### BASIS OF CHARGES

1. Invoices will be issued on a monthly basis, or upon completion of a project, whichever is sooner. The net amount of invoices is payable on presentation of the invoice. Back up documents to invoices are standard & must be provided.
  2. A two-hour minimum charge will be made for showing up on a project site when the field services were canceled. A four-hour minimum charge will be made for all field services. An eight-hour minimum charge will be made for field services in excess of four hours per day.
  3. Time worked in excess of 8 hours per day and weekend/holiday work will be charged at 1.5 times the hourly rate. Time worked in excess of 12 hours per day will be charged at 2 times the hourly rate. Overtime must be preapproved by the Construction Officer.
  4. Certified payroll for prevailing wage projects will be provided only if requested and will be subject to additional charges for administrative time for each pay period.
  5. Kleinfelder routinely disposes of non-environmental and uncontaminated samples after submission of our final report and reserves the right to return environmental sample to client.
  6. Proper disposal or handling of soil boring cuttings, well development and purge waters, decontamination solutions, and other contaminated/potentially contaminated materials is the responsibility of the client. Upon request, Kleinfelder can provide containers for onsite containment and can advise the client regarding proper handling procedures.
  7. The proposed rates will be in effect for 90 days from the proposal date.
  8. Rates can be changed mutually by contract amendment.
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