

**AMENDMENT THREE TO AGREEMENT  
BETWEEN THE COUNTY OF SAN MATEO AND  
CRAWFORD AND ASSOCIATES, INC.**

THIS AMENDMENT TO THE AGREEMENT, entered into this 25<sup>th</sup> day of March 2025, by and between the COUNTY OF SAN MATEO, hereinafter called "County," and Crawford and Associates, Inc., hereinafter called "Contractor";

W I T N E S S E T H:

WHEREAS, pursuant to Government Code, Section 31000, County may contract with independent contractors for the furnishing of such services to or for County or any Department thereof;

WHEREAS, the parties entered into an Agreement for Geotechnical Investigations and Geological Hazard Reports services on February 3, 2020 in a total not to exceed fiscal obligation of \$89,501; and

WHEREAS, the parties amended the Agreement to extend the term through February 2, 2024, updated "Exhibit B Schedule of Fees", and increased the contract value by \$60,000, for a new not to exceed amount of \$149,501; and

WHEREAS, the parties amended the Agreement to increase the contract value by \$50,499, for a new not to exceed amount of \$200,000 and extended the term through February 2, 2026; and

WHEREAS, the parties wish to amend the Agreement to increase the contract value by \$50,000, for continued geotechnical engineering services through the completion of the project. The new not to exceed fiscal obligation is \$250,000; and

WHEREAS, the parties accept and replace Original "Exhibit C.2 2020 Rates" with "Exhibit C.2 2025 Fee Schedule".

**NOW, THEREFORE, IT IS HEREBY AGREED BY THE PARTIES HERETO AS FOLLOWS:**

1. Section **3. Payments** of the agreement is amended to read as follows:

In consideration of the services provided by Contractor in accordance with all terms, conditions, and specifications set forth in this Agreement and in Exhibit A, County shall

make payment to Contractor based on the rates and in the manner specified in Exhibit B. County reserves the right to withhold payment if County determines that the quantity or quality of the work performed is unacceptable. In no event shall County's total fiscal obligation under this Agreement exceed TWO HUNDRED TEN THOUSAND DOLLARS AND NO CENTS (\$250,000.00). In the event that the County makes any advance payments, Contractor agrees to refund any amounts in excess of the amount owed by the County at the time of contract termination or expiration. Contractor is not entitled to payment for work not performed as required by this agreement.

2. Original Exhibit C.2 2020 Rates is replaced with Revised Exhibit C.2 2025 Fee Schedule, (rev. [01/16/2025]).

Attachment Below.

3. **All other terms and conditions of the agreement dated 02/03/2020, between the County and Contractor shall remain in full force and effect.**



**CRAWFORD & ASSOCIATES, INC.**  
2025 FEE SCHEDULE

PROJECT MANAGEMENT	HOURLY RATE
Principal	\$ 260.00
Senior Project Manager	\$ 240.00
Project Manager	\$ 200.00

ENGINEER / GEOLOGIST	HOURLY RATE
Senior Engineer / Geologist	\$ 170.00
Project Engineer II / Geologist II	\$ 150.00
Project Engineer I / Geologist I	\$ 140.00
Staff Engineer / Geologist	\$ 135.00
Drafter	\$ 120.00

PROJECT SUPPORT	HOURLY RATE
Project Coordinator	\$ 127.00

MATERIALS TESTING & CONSTRUCTION SERVICES	HOURLY RATE
Construction Services Director	\$ 240.00
Special Inspector	\$ 160.00
Senior Technician	\$ 135.00
Staff Technician	\$ 125.00
Field Technician	\$ 115.00

PREVAILING WAGE	HOURLY RATE
Group 1 - Special Inspector I (Masonry)	\$ 190.00
Group 2 - Special Inspector I (Welding)	\$ 185.00
Group 2 and 3 - Laborer Technician	\$ 137.00
Group 3 - Sols/Raphal Technician	\$ 175.00
Group 4 - Concrete Technician	\$ 165.00

CONSTRUCTION / EQUIPMENT	RATE	DETAIL
Traffic Control - Major	\$ 2,500.00	DAY
Traffic Control - Minor	\$ 700.00	DAY
Traffic Control Sign Board	\$ 650.00	DAY
Traffic Control Equipment (Shoulder signs, cones)	\$ 200.00	DAY
Seismic Refraction (12 Channel)	\$ 1,300.00	DAY
Core Machine with Generator	\$ 2,600.00	DAY
Core Machine Bit	\$ 3.00	INCH
Core Box	\$ 17.25	EACH
Hot Mix Asphalt Patching (1st Core)	\$ 1,000.00	FIRST
Hot Mix Asphalt Patching (2 or More)	\$ 600.00	EACH AFTER
Widont DCP Equipment	\$ 750.00	DAY
Widont DCP Tip	\$ 20.00	EACH
Survey Equipment (Tripod, Level, Rod)	\$ 150.00	DAY
Survey Equipment (Liquid Level)	\$ 150.00	DAY
Infiltration / Percolation Testing Equipment	\$ 200.00	DAY
Hand Auger	\$ 200.00	DAY
Backfill	\$ 8.00	BAG
Steel Liners (MCL)	\$ 10.00	EACH
Nuclear Density Test	\$ 10.00	EACH
Concrete Equipment	\$ 65.00	CT939/AS TMC172, CT966/AS TMC143, CT940/AS TMC31, CT951/AS TMC1084

CLASSIFICATION TESTING	RATE	DETAIL
#200 Wash	\$ 120.00	ASTM D1140
Grain Size Analysis to #200 (Sieve Analysis)	\$ 160.00	ASTM D6913
Mass Grain Size (Scour)	\$ 2,300.00	ASTM D6913
Grain Size with Hydrometer	\$ 245.00	ASTM D6913, D7928
Grain Size Analysis	\$ 210.00	CT 202
Hydrometer Analysis	\$ 210.00	ASTM D7928
Moisture & Density	\$ 80.00	ASTM D2216, D7263
Moisture Content	\$ 55.00	ASTM D2216, CT 226
Non-Plastic Index Result	\$ 125.00	ASTM D4318
Plasticity Index	\$ 260.00	ASTM D4318
Landscape Suitability	\$ 125.00	

STRENGTH TESTING	RATE	DETAIL
California Impact	\$ 350.00	CT 216
Compaction Curve (4" Mold)	\$ 455.00	ASTM D698/D1557
Compaction Curve (6" Mold)	\$ 510.00	ASTM D698/D1557
Compaction Curve Checkpoint (4" Mold)	\$ 125.00	ASTM D698/D1557
Compaction Curve Checkpoint (6" Mold)	\$ 125.00	ASTM D698/D1557
Compression (Rock)	\$ 275.00	ASTM 7012
Compressive Strength of Cylinders (6x12)	\$ 50.00	CT 39, CT521
Compressive Strength of Cylinders (4x8)	\$ 40.00	CT 39, CT521
Direct Shear (CD 3pt) Peak Only	\$ 500.00	ASTM D3080
Point Load (Rock)	\$ 65.00	ASTM D5731
R-Value	\$ 450.00	ASTM D2844, CAL 301
Triaxial Shear-UU	\$ 175.00	ASTM D2850
Triaxial Staged-UU	\$ 290.00	ASTM D2850
Unconfined Compression (Rock)	\$ 290.00	ASTM D7012
Unconfined Compression (Soil)	\$ 180.00	ASTM D2166

CONSOLIDATION & EXPANSION	RATE	DETAIL
1-D Consolidation	\$ 400.00	ASTM D2435
1-D Consolidation (Time Rate) / Per Point	\$ 100.00	ASTM D2435
Expansion Index	\$ 275.00	ASTM D4829

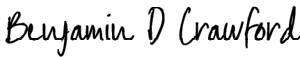
CORROSIVITY TESTING	RATE	DETAIL
pH, Resistivity, Sulfate, Chloride Content	\$ 240.00	CT 417, A22, S43
pH, Resistivity, Sulfate, Chloride, Redox Potential	\$ 350.00	CT 417, A22, S43, ASTM G200M

PAVEMENT TESTING	RATE	DETAIL
Asphalt Ignition Calibration	\$ 460.00	CT 362
Percent Asphalt Ignition Oven	\$ 225.00	CT 362
Sand Equivalent	\$ 135.00	CT 217
Stabilometer Value	\$ 225.00	CT 368
Theoretical Max Specific Gravity/Density	\$ 225.00	CT 308
Mix Design	\$ 2,000.00	ASTM D1557, D1853

SEISMIC ANALYSIS	RATE	DETAIL
EZ Fisk Software Use	\$ 2,250.00	PER LOCATION

In witness of and in agreement with this Agreement's terms, the parties, by their duly authorized representatives, affix their respective signatures:

**For Contractor: Crawford and Associates, Inc.**

Signed by:  822E0A2224434EF...	Feb-26-2025   15:20 PST	Benjamin D Crawford
Contractor Signature	Dated	Contractor Name (please print)

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**For County:**

COUNTY OF SAN MATEO

By:  
President, Board of Supervisors, San Mateo County

Date:

ATTEST:

By:  
Clerk of Said Board