

JAN 20 2016



**FIRST AMENDMENT TO
AGREEMENT
FOR
MATERIALS TESTING, PAVEMENT DESIGN, AND LOG OF BORING SERVICES
BETWEEN
THE CITY OF SAN JOSE
AND
THE CITY OF SANTA CLARA**

This FIRST AMENDMENT TO AGREEMENT is entered into this 15th day of January, 2016, by the CITY OF SAN JOSE, a municipal corporation (hereinafter "SAN JOSE"), and the CITY OF SANTA CLARA, a municipal corporation (hereinafter "AGENCY").

RECITALS

WHEREAS, on June 27, 2014, SAN JOSE and AGENCY entered into an agreement entitled "AGREEMENT FOR MATERIALS TESTING, PAVEMENT DESIGN, AND LOG OF BORING SERVICES BETWEEN THE CITY OF SAN JOSE AND THE CITY OF SANTA CLARA" ("AGREEMENT"); and

WHEREAS, SAN JOSE and AGENCY desire to amend the AGREEMENT to extend the term and update the Fee Schedule;

NOW, THEREFORE, the parties agree to amend the AGREEMENT as follows:

SECTION 1. Subsection B of SECTION III is amended to read as follows:

"AGENCY shall reimburse SAN JOSE for all costs incurred by SAN JOSE for SERVICES in accordance with the Fee Schedule set forth in ATTACHMENT B. SAN JOSE may update the Fee Schedule on an annual basis beginning on January 1 for each calendar year or as an amendment to this Agreement as approved by the Director of Public

Works for SAN JOSE ("Director") or Director's designee and the AGENCY. The total cost reimbursement payable by AGENCY to SAN JOSE under this Agreement shall not exceed ONE HUNDRED FIFTY THOUSAND DOLLARS (\$150,000)."

SECTION 2. Subsection I of SECTION III is amended to read as follows:

"Except as otherwise provided herein, this Agreement shall begin on the date of execution of this Agreement and terminate on December 31, 2017."

SECTION 3. ATTACHMENT B, "SCHEDULE OF FEES AND SERVICES" is amended to read as shown in REVISED ATTACHMENT B, attached and incorporated into this First Amendment.

SECTION 4. All of the terms and conditions of the original AGREEMENT not modified by this First Amendment shall remain in full force and effect.

WITNESS THE EXECUTION HEREOF on the day and year first written above.

"AGENCY"


"SAN JOSE"

CITY OF SANTA CLARA, a municipal
corporation

CITY OF SAN JOSE, a municipal
corporation

By: 
JULIO J. FUENTES
City Manager


1500 Warburton Avenue
Santa Clara, CA 95050


By: 
JULIE EDMONDS-MARES
Deputy City Manager

200 E. Santa Clara Street
San Jose, CA 95113

APPROVED AS TO FORM:

APPROVED AS TO FORM:

By: 
RICHARD E. NOSKY, JR.
City Attorney

By: 
JENNIFER POUSHO
Sr. Deputy City Attorney

ATTESTED:

By: 
ROD DIRIDON, JR.
City Clerk

REVISED ATTACHMENT B
SCHEDULE OF FEES AND SERVICES
2016 - 2017

Effective January 1, 2016

GENERAL:

All other contracted services are subject to the following hourly rates. Charges include labor, materials, equipment, and reports.

BASIC RATES:

Hourly
Rates

Principal Engineer.....	\$ 185.00
Senior Engineer.....	\$ 165.00
Associate Engineer.....	\$ 140.00
Engineer I/II.....	\$ 130.00
Senior Inspector.....	\$ 120.00
Associate Inspector.....	\$ 105.00
Field / Lab Technician.....	\$ 90.00

OVERTIME AND SHIFT DIFFERENTIALS:

Overtime and Holidays.....	Basic Rate x 1.5
Differential Pay for Swing & Graveyard Shifts (per Hour).....	Basic Rate x 1.5

MINIMUM CHARGES:

Show up time.....	2 hours
Meeting and Consultation.....	3 hours
Sampling or Inspection.....	2 hours
Sample pickup and delivery.....	2 hours
Minimum Charges on all invoices.....	\$ 300.00

ADDITIONAL CHARGES:

Mileage (per mile).....	\$ 0.75
Traffic control vehicle with flashing arrow sign and assorted traffic control devices, with one person crew (per Hour).....	\$130.00
Extra Personnel, as required.....	Basic Rates

PORTLAND CEMENT CONCRETE:

LABORATORY TESTING:

<u>Test No.</u>	<u>Description</u>	<u>Cost/Each</u>
ASTM C136/CAL 202	Sieve Analysis:	
	Fine.....	\$ 105.00
	Coarse.....	105.00
ASTM C39/CAL 521	Compressive Strength PCC Cylinders.....	50.00
	Curing Cylinders.....	10.00
ASTM C42/CAL 531	Compressive Strength of Cores & Sawed Beams.....	80.00
	Sawing End Preparation of PCC Core (per end).....	65.00
ASTM C40	Organic Impurities of Fine Aggregate.....	280.00
ASTM C78/CAL 523	Flexural Strength of Concrete Beams.....	130.00
ASTM C29	Unit Weight and Voids in Aggregate.....	155.00
ASTM C74/CAL 531	Measuring Length of Drilled Cores.....	75.00
	Mix Design Review.....	275.00

FIELD TESTING:

<u>Test No.</u>	<u>Description</u>	<u>Cost/Hour</u>
ASTM C31/CAL 540	Making Concrete Test Specimens in the Field.....	\$ 120.00
	4" x 8" or 6" x 12" Plastic Cylinder Mold (each).....	5.00
ASTM D75/CAL 201	Sampling Aggregate.....	120.00
ASTM C138/CAL 518	Unit Weight and Yield.....	120.00
ASTM C173/CAL 543	Air Content (Volumetric).....	120.00
ASTM C231/CAL 504	Air Content (Gravimetric).....	120.00
ASTM C360/CAL 533	Ball Penetration in Fresh PCC.....	120.00
ACI 506.02	Shotcrete Field Quality Control (Special Inspection).....	120.00
	Coring of PCC in the Field.....	120.00

SOILS:

LABORATORY TESTING:

<u>Test No.</u>	<u>Description</u>	<u>Cost/Each</u>
ASTM D422	Particle Size Analysis of Soils (Hydrometer).....	\$ 365.00
ASTM D1557	Laboratory Maximum Density/Optimum Moisture.....	630.00
ASTM D1557	Aggregate Corrected Maximum Density/Opt. Moisture.....	735.00
ASTM D2216	Water and Moisture of Content of Soil and Rock.....	55.00
CAL 216	Relative Compaction of Soils and Aggregates.....	395.00
ASTM D2217/CAL 203	Wet Preparation of Soil Particle Size Analysis.....	105.00
ASTM D2844/CAL 301	Resistance Value of Soils and Aggregates.....	600.00
ASTM D4318/CAL 204	Liquid Limit, Plastic Limit, Plasticity Index.....	260.00
CAL 373	Compressive Strength of Lime Treated Soils and Aggregates (Field Sample, 3 Specimens).....	505.00

FIELD TESTING:

<u>Test No.</u>	<u>Description</u>	<u>Cost/Hour</u>
ASTM D2922	Relative Compaction by Nuclear Gage.....	\$ 120.00
CAL 231	Relative Compaction of Soils by Area Concept.....	120.00
ASTM D3017	Moisture of Soils and Aggregate by Nuclear Gage.....	120.00

AGGREGATES:

LABORATORY TESTING:

<u>Test No.</u>	<u>Description</u>	<u>Cost/Each</u>
ASTM C136/CAL 202	Sieve Analysis:	
	Fine.....	\$105.00
	Coarse.....	105.00
ASTM C29/CAL 212	Unit Weight and Voids in Aggregate.....	155.00
ASTM C88/CAL 214	Soundness of Agg. by the use of Sodium Sulfate (each size)....	315.00
ASTM C131/CAL 211	Abrasion of Coarse Agg. by Los Angeles Rattler.....	315.00
ASTM C117	#200 Wash.....	155.00
ASTM C127/CAL 206	Specific Gravity and Absorption of Coarse Agg.....	315.00
ASTM C128/CAL 207	Specific Gravity and Absorption of Fine Agg.....	315.00
ASTM D2419/CAL 217	Sand Equivalent Value of Soils and Fine Agg. (3 specimens)...	315.00
ASTM D3744/CAL 229	Durability Index:	
	Fine.....	210.00
	Coarse.....	210.00
CAL 227	Evaluating Cleanness of Coarse Aggregates.....	315.00

ASPHALT CONCRETE:

LABORATORY TESTING:

<u>Test No.</u>	<u>Description</u>	<u>Cost/Each</u>
ASTM D1559	Marshall Stability and Flow (3 Specimens, incl. comp.).....	\$ 315.00
ASTM D1188/D2726/ CAL 308	Bulk SG and Density (3 Specimens - Lab or Field Cores).....	105.00
ASTM D1560/CAL 304/366	Stabilometer Value (3 Specimens, including comp.).....	420.00
ASTM D3549	Thickness of AC Core.....	105.00
ASTM D2041	Maximum Theoretical Density (Rice Test).....	155.00
ASTM D2172	Asphalt Extraction (Method A or B).....	525.00
ASTM D4125	Asphalt Content of Bituminous by Nuclear Gage.....	Quote on Request

FIELD TESTING:

<u>Test No.</u>	<u>Description</u>	<u>Cost/Hour</u>
ASTM D2950	Density of Asphalt Concrete by Nuclear Gage.....	\$ 120.00
CAL 375	Density and Relative Compaction of Asphalt Concrete.....	120.00
	Coring of AC in the Field (two staff plus coring machine).....	300.00

ASPHALT CEMENT:

LABORATORY TESTING:

<u>Test No.</u>	<u>Description</u>	<u>Cost/Each</u>
ASTM D1856/CAL 380	Recovery of Asphalt by Abson Method.....	\$ 630.00

BITUMINOUS/AGGREGATE SEAL COATS:

LABORATORY TESTING:

<u>Test No.</u>	<u>Description:</u>	<u>Cost/Each</u>
ASTM D5	Penetration Test of Bituminous Materials.....	\$ 155.00
ASTM D244	Testing Emulsified Asphalt (Saybolt Viscosity).....	395.00
ASTM D244	Percent Residue by Evaporation Method.....	315.00
ASTM D3910	Wet Track Abrasion.....	260.00
ASTM D244	Softening Point.....	470.00
ASTM D244	Demulsibility.....	420.00
CAL 332	Torsional Recovery.....	260.00
ASTM D244	Residue by Distillation Method.....	365.00

FIELD TESTING:

<u>Test No.</u>	<u>Description</u>	<u>Cost/Hour</u>
CAL 339	Determination of Distributor Spread Rate.....	\$ 120.00
	Slurry Seal Sampling.....	120.00

PIPE INSPECTION SERVICES (RCP/VCP): [PLANT OR ON SITE]

<u>Test No.</u>	<u>Description</u>	<u>Cost/Hour</u>
ASTM C301	Bearing Test on Vitrified Clay Pipe (VCP).....	\$ 120.00
ASTM C301	Hydro Test (VCP).....	120.00
ASTM C361	Hydro Test on Reinforced Concrete Pipe (RCP).....	120.00
ASTM C497	D-Load Test (RCP).....	120.00
ASTM C497	Absorption Test (RCP).....	120.00
ASTM C76	Visual Inspection of Fabricated Pipe (RCP).....	120.00

GENERAL:

A range of field investigation services are offered to provide data regarding existing pavement or soil conditions. These include:

1. Existing pavement thickness determinations.
2. Diamond Core Drilling of Asphalt Pavements and Portland Cement Concrete.
3. Soil Sampling (see List of Testing Services).
4. Exploratory Borings and Logs.
5. Pavement Designs
6. Overlay Designs

A Truck-Mounted Central Mining Equipment (CME) 55 drilling rig is used for geotechnical drilling. 4" solid stem, 6" solid stem and 8" hollow stem augers are available as well as 3" O.D. Cal Modified Split Spoon Sampler.

FEES:

DRILLING:

<u>Description</u>	<u>Cost/Hour</u>
CME 55 drill rig with 2 person crew.....	\$ 310.00
Supplies.....	Cost + 15%
Drill Rig Operator.....	120.00
Engineer I/II.....	130.00
Associate Engineer.....	140.00
Senior Engineer.....	165.00
Laboratory Testing.....	Per Laboratory Fee Schedule

GEOTECHNICAL SERVICES

PAVEMENT EVALUATION:

<u>Description</u>	<u>Cost/Hour</u>
CME 55 drill rig with 2 person crew.....	\$ 310.00
Dynaflect Machine with 2 person crew.....	295.00
Traffic control vehicle with flashing arrow sign & assorted traffic control devices, with one person crew.....	145.00
Drill Rig Operator.....	120.00
Engineer I/II.....	130.00
Associate Engineer.....	140.00
Senior Engineer.....	165.00

Normally a four (4) person crew, consisting of a drilling rig operator, field technician, engineer, and traffic control person is used when testing within the public right-of-way. Additional personnel may be required when flagging or other intensive traffic control is required per Manual on Uniform Traffic Control Devices (MUTCD).

CORING:

<u>Description</u>	<u>Cost/Hour</u>
Coring Equipment with 2 person crew (Asphalt Concrete).....	\$ 275.00
Coring Equipment with 2 person crew (Portland Cement Concrete).....	275.00
Coring Machine Operator.....	120.00
Engineer I/II.....	130.00
Associate Engineer.....	140.00
Senior Engineer.....	165.00

MINIMUM:

A minimum of three (3) hours will be billed for drilling, pavement evaluation, and coring services.