

CITY OF CHICO - SERVICE PROVIDER AGREEMENT

MT. HALL & ASSOCIATES, INC.
PROVIDER

ON CALL DEVELOPMENT PROJECTS: MATERIAL TESTING SERVICES
Project Title/Budget Account No. VARIOUS

ATTACHMENT #5 TO EXHIBIT B
SERVICE PROVIDER AGREEMENT DATED JULY 15, 2016
(Agreement Term: July 1, 2016 through June 30, 2019)

SCOPE OF SERVICES - BASIC; NOTICE TO PROCEED; COMPLETION SCHEDULE

Scope of Services - Basic

The Provider shall perform the following Services:

As requested by the City, the Consultant shall provide professional materials testing services such as the following:

Earthwork Testing

Earthwork testing shall include all tasks associated with project site and laboratory analysis of earthwork construction activities. This task shall include, but is not limited to, subgrade, embankment, trench backfill, structure fill, and aggregate base compaction and laboratory testing.

Concrete Pavement Testing

Concrete testing shall include all tasks associated with project site and laboratory analysis of concrete construction activities. This task shall include, but is not limited to, job mix verification, fresh sampling and slump testing on site, collecting and curing test specimens on site and in the laboratory, and providing compression and flexural testing.

Asphalt Pavement Testing

Asphalt testing shall include all tasks associated with project site and laboratory analysis of asphalt construction activities. This task shall include, but is not limited to, job mix verification, fresh sampling, and compaction testing.

Geotechnical Engineering and Testing

Geotechnical engineering and testing shall be requested for projects that require subsurface analysis for both shallow and deep foundation systems and shall consist of field exploration, soil stability, seismic response, geohazards, laboratory testing, and report preparation. Reports to be prepared by the Consultant's project engineer or engineering geologist shall describe the geotechnical investigation in detail, including grading and foundation recommendations based on the subsurface investigation and laboratory testing.

Miscellaneous Testing/Inspection

Miscellaneous testing and inspection may include masonry block, mortar, structural and reinforcing steel, material source development, anchor bolt pull forces, bituminous mixtures, treated bases and general site inspection as needed. The Consultant shall have access to highly specialized equipment such as gamma-gamma and cross-hole sonic logging for cast-in-drilled-hole piles (CIDH). Testing methods shall include, but may not be limited to, American Association of State Highway and Transportation Officials (AASHTO), American Association of State Highway and Transportation Officials (ASTM), and California Test Methods (CTM) testing methods.

Reporting and Supervision

The services above include all reporting and supervision. The Consultant guarantees to have staff personnel at each assigned Inspection Project site at the requested time with as little as four (4) hours' advance notification. The Consultant shall fax or e-mail final test results to the City within 24 hours of completion of each test. No payment will be made until a written hard copy has been received by the City. Upon notification by the City, the Consultant shall write a Final Report for each assigned Inspection Project, covering all testing results, field notes, and observations. The Consultant shall submit billing by the 30th of each month. A breakdown by each assigned Inspection Project shall show tests and services conducted accompanied by a copy of the reports. If reports have not been received for each of the assigned Inspection Projects being billed, the Consultant will not be paid until the reports are received.

Travel Time

There will be no separate compensation paid for travel time. Compensation will be paid only for the Consultant's time at each assigned Inspection Project site or for actual time for report preparation.

Qualifications of Consultant Personnel

All Consultant personnel conducting field and office testing shall be required to be fully trained and certified in the areas of tests being performed. A list of qualified personnel and their Certificates of Proficiency shall be submitted to the City at the time of award of Agreement and at any time there is a personnel change. Upon completion of the requested

work, the Consultant shall provide the City's inspector or representative with a written diary and a copy of the field test conducted. If a City representative is not available at the time of completion of the testing, the Consultant is required to fax or e-mail the field notes for each assigned Inspection Project to the City no later than 9:00 a.m. the following day.

Compensation

Compensation shall not exceed \$50,000.00 and shall be billed according to the rates set forth on Exhibit C of the Agreement. Compensation shall be based upon actual monthly invoices received.

Notice to Proceed

This Attachment shall constitute the City's Notice to Proceed to the Provider.

Completion Schedule

The Provider shall complete all Services by June 30, 2019.

CITY OF CHICO - SERVICE PROVIDER AGREEMENT

M.T. HALL & ASSOCIATES, INC.
PROVIDER

ON-CALL CONSTRUCTION MATERIAL TESTING
AND GEOTECHNICAL ENGINEERING SERVICES
Project Title/Budget Account Nos. Various

EXHIBIT C

COMPENSATION

Compensation for services shall be in accordance with the schedule of hourly rates below:

Specific Rate of Compensation

Fringe Benefit 0% + Overhead 0% + General Administration 0% = 0% Combined Indirect Cost Rate = 0%

Labor Cost (Prime)

Name / Job Title	Straight	OT(1.5x)
Construction Service Engineer	\$110.00	\$110.00
Administrator	\$50.00	\$75.00
Field Technician - Prevailing Wage	\$105.00	\$125.00
Field Technician - Non-Prevailing Wage	\$75.00	\$90.00

Labor Cost (Willdan - Subconsultant)

Name / Job Title	Straight	OT(1.5x)
Geotechnical Engineer	\$230.00	\$265.00
Project Engineer	\$200.00	\$225.00
Senior Staff Engineer/Geologist	\$150.00	\$165.00

Equipment Cost (Abe Construction - Subconsultant)

Description of Item	Units	Unit Cost
GGL Equipment Rental	/foot	\$1.60
CSL Equipment Rental	/foot	\$0.80

Min GGL Cost	/day	\$1,000.00
Min CSL Cost	/day	\$500.00
GGL Report	each	\$600.00
CSL Report	each	\$700.00
Equipment Standby	/hr	\$200.00
Equipment Mobilization	each	\$150.00
Mileage/Travel Time	/mi	\$0.54
Lodging/perdiem	/day	\$125.00

Laboratory Cost

Description	Standards	Units	Unit cost
Compaction Method A, B, or C	ASTM D1557	1	\$ 200.00
Specific Gravity & Absorption - Coarse Aggregate	ASTM C127	1	\$ 80.00
Specific Gravity & Absorption - Fine Aggregate	ASTM C128	1	\$ 80.00
Specific Gravity of Soil	ASTM D854	1	\$ 85.00
Organic Impurities	ASTM D2974	1	\$ 60.00
Sodium Sulfate Soundness (Per Size)	ASTM C88	1	\$ 110.00
Density (Unit Weight) of Soil	ASTM D7263	1	\$ 40.00
Atterberg Limits	ASTM D4318	1	\$ 160.00
Expansion Index	ASTM D4829	1	\$ 150.00
Direct Shear (3 Point)	ASTM D3080	1	\$ 275.00
Consolidation (8 loads + 1 rebound)	ASTM D2435	1	\$ 350.00
Clay Lumps / Friable Parts	ASTM C142	1	\$ 100.00
Hydrometer Analysis	ASTM D422	1	\$ 130.00
In-Place Density & Moisture by Drive Cylinder	ASTM D2937	1	\$ 25.00
Unconfined Compressive Strength of Cohesive Soils	ASTM D2166	1	\$ 60.00
Unconfined Compressive Strength of Treated Soils	ASTM D5102	1	\$ 60.00
Sieve Analysis w/ -200 wash	ASTM C136	1	\$ 120.00
#200 wash only	ASTM D1140	1	\$ 80.00
Triaxial Compressive Strength (3 Point)	ASTM D4767	1	\$ 340.00
California Bearing Ratio (CBR)	ASTM D1883	1	\$ 525.00
Soil Corrosion Evaluation (PH, Resistivity, Sulfate, Chloride)		1	\$ 150.00
Compressive Strength Concrete Cylinders	ASTM C39	1	\$ 25.00
Compressive Strength Concrete Cores	ASTM C42	1	\$ 25.00
Flexural Strength of Concrete	ASTM C78	1	\$ 95.00

CA STD FORM 6/27/16

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LA Rattler	CTM 211	1	\$ 175.00
Compressive Strength Grout	ASTM C140	1	\$ 25.00
Compressive Strength Mortar	ASTM C780	1	\$ 25.00
Compressive Strength Masonry Prisms	ASTM C1314	1	\$ 100.00
CMU Strength, Unit Weight, Absorption	ASTM C140	1	\$ 180.00
Reinforcing Steel Tensile Test, Up to #7	ASTM A615	1	\$ 80.00
Reinforcing Steel Tensile Test, #8 to #14	ASTM A615	1	\$ 100.00
Analysis of Fine & Coarse Aggregate	CTM 202	1	\$ 120.00
Percentage of Crushed Particle	CTM 205	1	\$ 80.00
Specific Gravity/Absorption Coarse Aggregate	CTM 206	1	\$ 80.00
Specific Gravity/Absorption Fine Aggregate	CTM 207	1	\$ 80.00
Unit Weight of Aggregate	CTM 212	1	\$ 40.00
Relative Compaction of Soils & Aggregate	CTM 216	1	\$ 150.00
Sand Equivalent	CTM 217	1	\$ 100.00
Soil & Aggregate Moisture	CTM 226	1	\$ 25.00
Cleanness Value	CTM 227	1	\$ 100.00

Laboratory Cost

Description	Standards	Units	Unit cost
Durability Index	CTM 229	1	\$ 165.00
Uncompacted Voids Content of Fine Aggregate	CTM 234	1	\$ 80.00
Flat & Elongated Particle Measurement	CTM 235	1	\$ 80.00
R-Value	CTM 301	1	\$ 250.00
Bulk Specific Gravity of Field-Compacted Core Method A	CTM 308	1	\$ 30.00
Bulk Specific Gravity of Lab-Compacted Cores (Set of 3)	CTM 308	1	\$ 120.00
Max. Theoretical Density	CTM 309	1	\$ 100.00
Stabilometer Value	CTM 366	1	\$ 270.00
HMA Moisture	CTM 370	1	\$ 25.00
Asphalt Content by Ignition Oven	CTM 382	1	\$ 140.00
Voids Filled in Mineral Aggregate	LP-2	1	\$ 25.00
Voids Filled in Asphalt	LP-3	1	\$ 25.00
Dust Proportion	LP-4	1	\$ 25.00
Rap Correction Factor		1	\$ 400.00
Binder Content Correction Factor		1	\$ 300.00
PCC Mix Design Review	N/A	1	\$ 75.00
HMA Mix Design Review	N/A	1	\$ 75.00