

CITY OF CHICO - SERVICE PROVIDER AGREEMENT

MT. HALL & ASSOCIATES, INC.
PROVIDER

MATERIAL TESTING SERVICES:
CHICO RIVER ROAD TRUNKLINE
Project Title/Budget Account No. MAJC/17009-000-4150

ATTACHMENT #2 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:

1. Earthwork

The Consultant shall provide qualified personnel to conduct field quality-control observation, soil sampling, and nuclear gauge testing on soil compaction per ASTM D1557. Services shall include, but not be limited to, final subgrade, utility backfills, roadway improvements, and necessary laboratory work.

2. Aggregate Base (AB) Subgrade

Services shall include AB testing for compaction per ASTM D1557, sampling, and laboratory work.

3. Hot Mix Asphalt (HMA)

Services shall include all HMA sampling and associated laboratory work.

4. Administration

Services shall include project coordination, data review, data entry, and transmittal of

test results and daily field reports.

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 within four months of receipt of the City's Notice to Proceed.

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

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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

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