

**AMENDMENT NO. 2 WITH  
HOLDREGE & KULL CONSULTING ENGINEERS**

THIS AMENDMENT No. 2 is executed this 27<sup>th</sup> day of June, 2017, by and between HOLDREGE & KULL CONSULTING ENGINEERS and GEOLOGISTS and COUNTY OF NEVADA. Said Amendment No. 2 will amend the Personal Services Contract between the parties entitled On-Call Materials Testing and Construction Inspection Consulting Services executed by Resolution 15-281 on June 23, 2016 in the amount of \$150,000, and amended by Resolution 16-277 on June 21, 2016

WHEREAS, the Agreement will expire on June 30, 2017; and

WHEREAS, the County desires to continue using this contractor to provide the services contemplated by the Agreement and the contractor desires to continue providing said services; and

WHEREAS, the parties desire to extend the existing contract from July 1, 2017 to June 30, 2018 and update Exhibit B to reflect the current Fee Schedule for services under the Agreement.

NOW, THEREFORE, the parties hereto agree as follows:

1. That Section 3 of the Agreement is hereby amended to extend the contract term to June 30, 2018.
2. That Exhibit B of the Agreement is hereby replaced with the new Exhibit B attached hereto.
3. That in all other respects the prior agreement of the parties shall remain in full force and effect except as amended herein.

COUNTY OF NEVADA

CONTRACTOR: Holdrege & Kull  
Consulting Engineers and Geologists

By: \_\_\_\_\_  
Hank Weston, Chair  
Board of Supervisors

By: \_\_\_\_\_

## EXHIBIT "B"

### SCHEDULE OF CHARGES AND PAYMENTS



#### 2017 FEE SCHEDULE

Personnel	Hourly Rate
Project Assistant .....	\$78
AutoCAD Operator .....	\$100
Technical Editor .....	\$80
Assistant Engineer/Geologist .....	\$117
Staff Scientist .....	\$132
Staff Engineer/Geologist .....	\$132
Project Engineer/Geologist .....	\$150
Senior Engineer/Geologist .....	\$160
Associate Engineer/Geologist .....	\$170
Principal .....	\$235
Expert Testimony and Deposition (four-hour minimum).....	\$320 Engineering
Technician I.....	\$87
Engineering Technician II.....	\$92
Engineering Technician III.....	\$97
Certified Welding Inspector (CWI/AWS) .....	\$108
Non-Destructive Testing (NDT) Technician .....	\$108
ASNT Level III .....	\$159
Supervisory Technician.....	\$116
Construction Services Manager I .....	\$144
Construction Services Manager II .....	\$158

Prevailing Wage Services	Hourly Rate
Field Soils and Materials Tester, Soils/Asphalt .....	\$111
ACI Concrete Tester .....	\$111
ICC Fireproofing.....	\$109
Proofload/Torque Testing.....	\$109
AWS/CWI Certified Welding Inspector.....	\$116
ASNT Level II Non-Destructive Testing (NDT) Technician .....	\$122
ICC Certified Structural Inspector .....	\$114
DSA Masonry/Shotcrete and Lead Inspector.....	\$122
Travel Time – Tester/Inspector .....	\$87

Field Equipment	Unit Rate
All-Terrain Vehicle.....	\$44/Day
Cone Penetrometer.....	\$150/Day
Core Drill Machine.....	\$180 Half Day/\$240 Full Day
DAQ III/Seismic Refraction Survey .....	\$350/Day
Excavator with Operator.....	\$128/Hour
Pachometer.....	\$42/Day
pH/Conductivity Meter.....	\$52/Day
Photoionization Detector (PID).....	\$106/Day
Tension Ram.....	\$32/Day
Turbidity Meter .....	\$52/Day
Unmanned Aerial Vehicle System (Drone; see notes for details) .....	\$200/Day
Water Quality Meter (pH, conductivity, temperature, DO).....	\$106/Day 1.5-Inch Pump and
Controllers .....	\$136/Day
4-Inch Pump with Trailer .....	\$162/Day

#### Notes

- Mileage and hourly rates will be charged portal to portal. Mileage will be billed at \$0.53.5 per mile.
- Outside services will be billed at our cost plus 20 percent.
- Overtime rates for Saturday, Sunday, holiday or over 8 hours/day: hourly rate plus \$32/Hour.
- Prevailing wage overtime rates for Saturday or over 8 hours/day: hourly rate plus \$32/Hour.
- Prevailing wage double time rates for Sunday, holiday or over 12 hours/day: hourly rate plus \$64/Hour.
- Second shift rates: hourly rate plus \$16/Hour.
- A minimum 2 hour fee will be charged for scheduled site visits not cancelled in advance of arrival.
- Per Diem will be billed at cost plus 20 percent unless other arrangements are made.
- Drone flights require a Remote Pilot in Command, which is billed at the Project Engineer/Geologist hourly rate.
- A hazard surcharge may apply for drone flights over water, at high elevation, or near high voltage lines.

**2017 LABORATORY TESTING SERVICES**

Soil	Aggregate	Concrete	Asphalt	<b>ASTM Test Methods</b>	<b>Unit Cost</b>
		■		ASTM A615, Reinforcing Steel Tensile Test to #8	\$87
		■		ASTM A615, Reinforcing Steel Bend Test to #8	\$28
		■		ASTM C39, Concrete Compressive Strength, 4x8	\$32
		■		ASTM C39, Concrete Compressive Strength, 6x12	\$40
		■		ASTM C78, Flexural Strength of Concrete	\$103
		■		ASTM C140, CMU Strength, Unit Weight, Absorption	\$195
		■		ASTM C780, Compressive Strength Mortar	\$32
		■		ASTM C1019, Compressive Strength Grout	\$32
		■		ASTM C1314, Compressive Strength Masonry Prisms	\$111
■	■	■		ASTM C136, D422A Full Sieve Particle Size Analysis	\$132
■				ASTM D422B, Long Hydrometer Particle Size Analysis (specific gravity not included)	\$132
■	■			ASTM D422C, Full Sieve w/ Long Hydrometer Particle Size Analysis (spec. gravity not incl.)	\$175
■	■			ASTM D698, D1557, Compaction Curves (4-inch mold)	\$205
■	■			ASTM D698, D1557, Compaction Curves (6-inch mold)	\$215
■	■			ASTM D854, Specific Gravity	\$90
■	■	■		ASTM C117, D1140, No. 200 Mesh Wash Particle Size Analysis	\$87
■				ASTM D2166, Unconfined Compression Shear Strength	\$111
■	■			ASTM D2216, Oven Moisture Content	\$29
■	■			ASTM D2419, Sand Equivalent	\$108
■	■			ASTM D2434, Constant Head Permeability	\$174
■	■			ASTM D2435, One-Dimensional Consolidation (per point)	\$26
■	■			ASTM D2844, Resistance Value	\$271
■	■			ASTM D2850, Unconsolidated, Undrained, Triaxial Shear Strength (per point)	\$147
■	■			ASTM D2937, Density-Moisture	\$35
■				ASTM D3080, Direct Shear Strength (3 points minimum)	\$303
■				ASTM D4318, Atterberg Indices (Dry Method)	\$152
■				ASTM D4546, One-Dimensional Settlement or Swell (per point)	\$87
■				ASTM D4767, Consolidated, Undrained, Triaxial Shear Strength (per point)	\$175
■				ASTM D4829, Expansion Index (UBC Expansion Index)	\$152
■				ASTM D4832, Strength of CLSM	\$44
■				ASTM D5084, Falling Head Permeability	\$249
<b>California Test Methods</b>					
■	■	■	■	CTM 202, Analysis of Fine Coarse Aggregate	\$132
	■		■	CTM 205, Percent of Crushed Particles	\$87
	■	■	■	CTM 206, Specific Gravity/Absorption Coarse Aggregate	\$108
	■	■	■	CTM 207, Specific Gravity/Absorption Fine Aggregate	\$108
	■		■	CTM 208, Apparent Specific Gravity of Fine Aggregate	\$98
■	■			CTM 216, Maximum Wet Density Determination	\$217
■	■	■	■	CTM 217, Sand Equivalent	\$108
■	■	■	■	CTM 226, Moisture Content by Oven	\$29
■	■	■		CTM 227, Evaluating Cleanness of Coarse Aggregate	\$103
	■	■		CTM 229, Durability Index	\$152
	■	■	■	CTM 234, Uncompacted Void Content of Fine Aggregate	\$108
	■		■	CTM 235, Percent of Flat and Elongated Particles	\$87
			■	CTM 308, Bulk Density Hot Mix Asphalt (HMA)	\$38
			■	CTM 309, Max Specific Gravity of HMA	\$162
			■	CTM 370, Moisture Content with Microwave	\$25
			■	CTM 382, Asphalt Content by Ignition Method	\$159
			■	CTM 382, Asphalt Content by Ignition Method Correction Factor Development	\$490
			■	Caltrans LP 2, 3, 4 Aggregate Asphalt and Dust Proportion	\$162

This is a partial list of the most common laboratory tests. ASTM/CTM Standards are used as guidelines

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