PRICING SCHEDULE

Line Item No.	Test Procedure	Unit	Unit Price	Est Qty	Sub-Total
Northern California Region					
	SOIL TESTING/AGGREGATE TESTING				
1	ASTM C 40 - Test Method for Organic Impurities in Fine Aggregates for Concrete	Each		10	
2	ASTM C 88 - Sodium Sulfate Soundness, Coarse Aggregate	Each		10	
3	ASTM C 88 - Sodium Sulfate Soundness, Fine Aggregate	Each		10	
4	ASTM C 88 - Magnesium Sulfate Soundness, Coarse Aggregate	Each		5	
5	ASTM C 88 - Magnesium Sulfate Soundness, Fine Aggregate	Each		5	
6	ASTM C 123 - Lightweight Particles in Coarse Aggregate	Each		5	
7	ASTM C 123 - Lightweight Particles in Fine Aggregate	Each		5	
8	ASTM C 117 -Test Method for Material Finer than 75 µm (No. 200) Sieve in Mineral Aggregates by Washing	Each		145	
9	ASTM C 127 - Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	Each		20	
10	ASTM C 128 - Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate	Each		15	
11	ASTM C 131 - Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Each		35	
12	ASTM C 136 - Test Method for Sieve Analysis of Fine and Coarse Aggregates: Fine Aggregates	Each		35	
13	ASTM C 136 -Test Method for Sieve Analysis of Fine and Coarse Aggregates: Coarse aggregate (1-1/2" to #200 Sieve)	Each		45	
14	ASTM C 136 - Test Method for Sieve Analysis of Fine and Coarse Aggregates (3" to No. 200 sieve)	Each		40	
15	ASTM C 142 - Clay Lumps & Friable Particles, Coarse Aggregate	Each		5	
16	ASTM C 142 - Clay Lumps & Friable Particles, Fine Aggregate	Each		5	
17	ASTM C 566 - Total Moisture Content in Coarse Aggregate	Each		30	
18	ASTM C 566 - Total Moisture Content in Fine Aggregate	Each		30	
19	ASTM D422 - Test Method of Particle-Size Analysis of Soils (Sieve and Hydrometer Analysis (10-14 Sieves)	Each		20	
20	ASTM D422 - Test Method of Particle-Size Analysis of Soils (Sieve and Hydrometer Analysis (6-9 Sieves)	Each		20	
21	ASTM D 558 - Test Method for Moisture-Density (Unit Weight) Relations of Soil-Cement Mixtures: Method A	Each		10	
22	ASTM D 558 - Test Method for Moisture-Density (Unit Weight) Relations of Soil-Cement Mixtures: Method B	Each		10	
23	ASTM D 698 - Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (Moisture-Density, 5-Point Curve): Method A and B - 4" Diameter Mold	Each		90	
24	ASTM D 698 - Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (Moisture-Density, 5-Point Curve): Method C - 6" Diameter Mold	Each		30	
25	ASTM D 1140 - Test Methods for Amount of Material in Soils Finer than No. 200 (75-µm) Sieve	Each		20	
26	ASTM C 1260 - Test Method for Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	Each		155	
27	ASTM D 1556 - Test Methods for Density and Unit Weight of Soil in Place by Sand-Cone Method	Each		10	
28	ASTM D 1557 - Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (Method A and B - 4" Diameter Mold; 5-Point Curve)	Each		310	
29	ASTM D 1557 - Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (Method C - 6"Diameter Mold; 5-Point Curve)	Each		30	
30	ASTM D 2166 - Test Method for Unconfined Compressive Strength of Cohesive Soil	Each		30	
31	ASTM D 2216 - Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass (Jar or Bag)	Each		40	
32	ASTM D 2434 - Permeability by Constant Head	Each		765	
33	ASTM D2487 - Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)	Each		55	
34	"ASTM D 2850 - Test Method for Unconsolidated-Undrained Triaxial Compression Test on Cohesive Soils (Shear) EM 1110-2- 1906 Appendix X - Triaxial Compression Test: Q Test (Undisturbed, Unconsolidated, Undrained): 3 Specimens (2.8" Diameter)	Each		515	
35	"ASTM D 2850 - Test Method for Unconsolidated-Undrained Triaxial Compression Test on Cohesive Soils (Shear) EM 1110-2- 1906 Appendix X - Triaxial Compression Test: Q Test (Compacted, Unconsolidated, Undrained): 3 Specimens (2.8" Diameter)	Each		15	
36	ASTM D 3080 - Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions EM 1110-2-1906 Appendix IX Drained Direct Shear Test, Controlled Strain - 3 Specimens: Undisturbed (2.8" or 24" Diameter)	Each		15	
37	ASTM D 3080 - Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions EM 1110-2-1906 Appendix IX Drained Direct Shear Test, Controlled Strain - 3 Specimens: Compacted (2.8" or 24" Diameter)	Each		15	
38	ASTM D 4318 - Test Methods for Liquid and Plastic Limits (Atterberg, includes All Soil Classification) EM 1110-2-1906 Appendix IIIA - One-Point Liquid and Plastic Limit Test Method (Washed through No. 40 sieve)	Each		15	
39	ASTM D 4318 - Test Methods for Liquid and Plastic Limits (Atterberg, includes All Soil Classification) EM 1110-2-1906 Appendix IIIA - Liquid and Plastic Limit, Four-Point Method (Washed through No. 40 sieve)	Each		45	
40	ASTM D 4318 - Test Methods for Liquid and Plastic Limits (Atterberg, includes All Soil Classification) EM 1110-2-1906 Appendix IIIA - Liquid and Plastic Limit, Three-Point Method (Washed through No. 40 sieve)	Each		190	
41	ASTM D 4767 - Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils EM 1110-2-1906 Appendix X - Triaxial Compression Test: R Bar (Undisturbed, Consolidated, Undrained - Saturation by Backpressure, Pore Pressures Measured during Shear): 3-point (3" Diameter)	Each		10	
42	ASTM D 4767 - Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils EM 1110-2-1906 Appendix X - Triaxial Compression Test: R Bar (Undisturbed, Consolidated, Undrained - Saturation by Backpressure, Pore Pressures Measured during Shear): 3-point (4" Diameter)	Each		10	
43	ASTM D 4767 - Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils (R), 6" Diameter	Each		10	
44	ASTM D 4791 - Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate Each sieve size - Coarse Aggregate	Each		10	
45	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 3" or 4" Diameter (as requested)	Each		40	

46	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 6" Diameter	Each		40	
47	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Remolded) 3" or 4" Diameter (as requested)	Each		40	
48	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Remolded) 6" Diameter	Each		40	
49	ASTM D 5821 Percentage of Fractured Particles in Coarse Aggregate (pricing per sieve tested; test can be performed on any number of sieves)	Each		10	
50	ASTM D 6913 - Test Methods for Particle Size Distribution (Gradation) of Soils Using Sieve Analysis	Each		80	
51	ASTM D 6938 - Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	Each		885	
52	ASTM G 51/T289 - Test Method for Measuring pH of Soil for Use in Corrosion Testing	Each		15	
53	AASHTO T 290 - Method of Test for Determining Water-Soluble Sulfate Ion Content in Soil	Each		15	
54	AASHTO T 291 - Method of Test for Determining Water-Soluble Chloride Ion Content in Soil	Each		15	
55	CTM 417 - Method of Testing Soils and Waters for Sulfate Content	Each		15	
56	CTM 422 - Method of Testing Soils and Waters for Chloride Content	Each		15	

	CUTOFF WALL TESTING				
57	ASTM D 2166 - Test Method for Unconfined Compressive Strength of Cohesive Soil	Each		255	
58	API RP 13B-1 - Bentonite Slurry Density	Each		385	
59	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 3" or 4" Diameter (as requested)	Each		20	
60	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 6" Diameter	Each		20	
61	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 3" or 4" Diameter (as requested)	Each		20	
62	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 6" Diameter	Each		20	
63	ASTM D 6910 - Test Method for Marsh Funnel Viscosity of Clay Construction Slurries	Each		385	
	RIPRAP TESTING				
64	ASTM C 88 - Test Method for Soundness of Aggregates by Use of Sodium Sulfate (at least 5 cycles and 5 different sizes)	Each		5	
65	ASTM C 88 - Test Method for Soundness of Aggregates by Use of Magnesium Sulfate (at least 5 cycles and 5 different sizes)	Each		2	
66	ASTM C 127 - Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	Each		15	
67	ASTM C 535 - Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Each		10	
68	ASTM D 5519 - Standard Test Method for Particle Size Analysis of Natural and Man-Made Riprap Materials	Each		10	
	CONCRETE TESTING				
69	ASTM C 31 - Practice for Making and Curing Test Specimens (Set of two 6"x12" Cylinders) in the Field. (Also Includes Slump, Air and Temperature Tests.)	Each		130	
70	ASTM C 31 - Practice for Making and Curing Test Specimens (Set of three 4"x8" Cylinders) in the Field. (Also Includes Slump, Air and Temperature Tests.)	Each		120	
71	ASTM C 39 - Test Method for Compressive Strength of Cylindrical Concrete Specimens: (Per set of two 6"x12" Specimens)	Each		130	
72	ASTM C 39 - Test Method for Compressive Strength of Cylindrical Concrete Specimens: (Per set of three 4"x8" Specimen)	Each		120	
73	ASTM C 42 - Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete (4" Diameter Core Specimens) - per core	Each		40	
74	ASTM C 42 - Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete: Compressive Strength (6" Diameter Core Specimens) - per core	Each		50	
75	ASTM C 78 - Flexural Strength by Third Point Loading	Each		20	
76	ASTM C 109 - Compressive Strength of Cement Mortars Using Cube Specimens (price per cube)(2-3 minimum must be run per ASTM)	Each		70	
77	ASTM C 138 - Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete	Each		30	
78	ASTM C 143 -Test Method for Slump of Hydraulic-Cement Concrete (when not ordered as a part of ASTM C31)	Each		100	
79	ASTM C 157 - Length Change of Concrete and Mortars (price per set of three specimens as required by the the ASTM)	Each		10	
80	ASTM C 173 - Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method (when not ordered as a part of ASTM C31)	Each		30	
81	ASTM C 174 - Concrete Thickness by Drilled Cores	Each		30	
82	ASTM C 231 - Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method (when not ordered as a part of ASTM C31)	Each		50	
83	ASTM C 232 - Test Method for Bleeding of Concrete	Each		10	
84	ASTM C 567 - Test Method for Determining Density of Structural Lightweight Concrete	Each		15	
85	ASTM C 597 - Standard Test Method for Pulse Velocity Through Concrete (Field Testing per hour)	Hour		30	
86	ASTM C 856 - Petrographic Examination of Hardened Concrete	Each		5	
87	ASTM C 1019 - Sampling and Testing Grout	Each		55	
88	ASTM C 1064 - Temperature of Concrete (when not ordered as a part of ASTM C31)	Each		255	
89	ASTM C 1138 - Test Method for Abrasion Resistance of Concrete (Underwater Method)	Each		15	
90	ASTM C 1567 - Test Method for Determining the Potential Alkali- Silica Reactivity of Combinations of Cementitious Materials and Aggregates (Accelerated Mortar-Bar Method)	Each		5	
91	ASTM C1611 - Test Method for Slump Flow of Self-Consolidating Concrete	Each		80	
92	ASTM C 1688 - Test Method for Density and Void Content of Freshly Mixed Pervious Concrete	Each		10	
93	ASTM D 4832 - Test Method for Preparation and testing of Controlled Low Strength Material (CLSM) Test Cylinders	Each		155	
94	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 3" or 4" Diameter (as requested)	Each		40	
95	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 6" Diameter	Each		40	
96	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 3" or 4" Diameter (as requested)	Each		40	

97	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 6" Diameter	Each		40	
98	ASTM E 114 - Standard Practice for Ultrasonic Pulse-Echo Straight-Beam Contact Testing (Field Testing per hour)	Hour		30	
	TESTS FOR ASPHALT AND ASPHALT MIXTURE TESTING				
99	ASTM D2041 - Theoretical Maximum Specific Gravity of Bituminous Paving Mixtures (per hot mix bulk sample)	Each		30	
100	ASTM D5581 - 07a(2013) Standard Test Method for Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus (6 inch-Diameter Specimen) (per set of 3 specimens)	Each		30	
101	ASTM D2726 - Bulk Specific Gravity and Density of compacted Bituminous Mixtures (2 specimens at mat, 1 specimen at joint)	Each		30	
102	ASTM D2172 - Quantitative Extraction of Bitumen from Bituminous Paving Mixtures (per hot mix bulk sample)	Each		30	
103	ASTM D2950 - Density of Bituminous Concrete in Place by Nuclear Methods	Each		30	
104	ASTM D 3203 - Percent Air Voids	Each		10	
105	ASTM D2172 Standard Test Methods for Quantitative Extraction of Asphalt Binder from Asphalt Mixtures	Each		10	
106	ASTM D 6307 - Asphalt Content of Hot-Mix Asphalt by Ignition Method (price to include calibration per test)	Each		10	
107	ASTM D6927 - Marshall Stability and Flow of Bituminous Mixtures	Each		10	
108	ASTM C42 - Obtaining and Testing Drilled Cores	Each		50	

	MASONRY FIELD TESTING				
109	ASTM C 109 - Compressive Strength of Cement Mortars Using Cube Specimens (price per cube)(2-3 minimum must be run per ASTM)	Each		95	
110	ASTM C140 - Sampling and Testing Concrete Masonry and Related Units; Base and Annex A1 only	Each		10	
111	ASTM C780 - Evaluation of Mortars for Plain and Reinforced Unit Masonry	Each		130	
112	ASTM C1019 - Sampling and Testing Grout	Each		60	
113	ASTM C1314 - Test Method for Compressive Strength of Masonry Prisms	Each		150	
	STRUCTURAL STEEL FIELD TESTING				
114	Ultrasonic Testing (UT)	Hour		30	
115	Radiographic Testing (RT) - for Structural Steel Field Testing	Hour		30	
116	Magnetic Particle Testing (MT)	Hour		30	
117	Liquid Penetrant Testing (PT)	Hour		30	
118	Visual Inspection	Hour		30	
	MISCELLANEOUS - OTHER				
119	Specifically directed stand-by time or specifically directed field testing and other field activities such as attending field meetings, (Unit-cost of each test item shall not include any travel or non-directed stand-by time.)	Hour		785	
120	Travel time to/from the Lab to the project site including the mileage charge for routine pick-up truck costs (Unit-cost of each test item shall not include any travel or stand-by time.)	Hour		785	

Total Evaluated Price for Northern California Region $

Line Item No.	Test Procedure	Unit	Unit Price	Est Qty	Sub-Total
California "Bay Area" & Stockton-Modesto Region					
	SOIL TESTING/AGGREGATE TESTING				
1	ASTM C 40 - Test Method for Organic Impurities in Fine Aggregates for Concrete	Each		5	
2	ASTM C 88 - Sodium Sulfate Soundness, Coarse Aggregate	Each		5	
3	ASTM C 88 - Sodium Sulfate Soundness, Fine Aggregate	Each		5	
4	ASTM C 88 - Magnesium Sulfate Soundness, Coarse Aggregate	Each		5	
5	ASTM C 88 - Magnesium Sulfate Soundness, Fine Aggregate	Each		5	
6	ASTM C 123 - Lightweight Particles in Coarse Aggregate	Each		5	
7	ASTM C 123 - Lightweight Particles in Fine Aggregate	Each		5	
8	ASTM C 117 -Test Method for Material Finer than 75 µm (No. 200) Sieve in Mineral Aggregates by Washing	Each		100	
9	ASTM C 127 - Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	Each		30	
10	ASTM C 128 - Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate	Each		5	
11	ASTM C 131 - Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Each		40	
12	ASTM C 136 - Test Method for Sieve Analysis of Fine and Coarse Aggregates: Fine Aggregates	Each		110	
13	ASTM C 136 -Test Method for Sieve Analysis of Fine and Coarse Aggregates: Coarse aggregate (1-1/2" to #200 Sieve)	Each		120	
14	ASTM C 136 - Test Method for Sieve Analysis of Fine and Coarse Aggregates (3" to No. 200 sieve)	Each		5	
15	ASTM C 142 - Clay Lumps & Friable Particles, Coarse Aggregate	Each		5	
16	ASTM C 142 - Clay Lumps & Friable Particles, Fine Aggregate	Each		5	
17	ASTM C 566 - Total Moisture Content in Coarse Aggregate	Each		5	
18	ASTM C 566 - Total Moisture Content in Fine Aggregate	Each		5	
19	ASTM D422 - Test Method of Particle-Size Analysis of Soils (Sieve and Hydrometer Analysis (10-14 Sieves)	Each		45	
20	ASTM D422 - Test Method of Particle-Size Analysis of Soils (Sieve and Hydrometer Analysis (6-9 Sieves)	Each		45	
21	ASTM D 558 - Test Method for Moisture-Density (Unit Weight) Relations of Soil-Cement Mixtures: Method A	Each		5	
22	ASTM D 558 - Test Method for Moisture-Density (Unit Weight) Relations of Soil-Cement Mixtures: Method B	Each		5	
23	ASTM D 698 - Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (Moisture-Density, 5-Point Curve): Method A and B - 4" Diameter Mold	Each		15	
24	ASTM D 698 - Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (Moisture-Density, 5-Point Curve): Method C - 6" Diameter Mold	Each		30	
25	ASTM D 1140 - Test Methods for Amount of Material in Soils Finer than No. 200 (75-µm) Sieve	Each		30	
26	ASTM C 1260 - Test Method for Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	Each		20	
27	ASTM D 1556 - Test Methods for Density and Unit Weight of Soil in Place by Sand-Cone Method	Each		5	
28	ASTM D 1557 - Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (Method A and B - 4" Diameter Mold; 5-Point Curve)	Each		345	
29	ASTM D 1557 - Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (Method C - 6" Diameter Mold; 5-Point Curve)	Each		15	
30	ASTM D 2166 - Test Method for Unconfined Compressive Strength of Cohesive Soil	Each		5	
31	ASTM D 2216 - Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass (Jar or Bag)	Each		5	
32	ASTM D 2434 - Permeability by Constant Head	Each		90	
33	ASTM D2487 - Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)	Each		10	
34	"ASTM D 2850 - Test Method for Unconsolidated-Undrained Triaxial Compression Test on Cohesive Soils (Shear) EM 1110-2-1906 Appendix X - Triaxial Compression Test: Q Test (Undisturbed, Unconsolidated, Undrained): 3 Specimens (2.8" Diameter)	Each		90	
35	"ASTM D 2850 - Test Method for Unconsolidated-Undrained Triaxial Compression Test on Cohesive Soils (Shear) EM 1110-2- 1906 Appendix X - Triaxial Compression Test: Q Test (Compacted, Unconsolidated, Undrained): 3 Specimens (2.8" Diameter)	Each		5	
36	ASTM D 3080 - Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions EM 1110-2-1906 Appendix IX Drained Direct Shear Test, Controlled Strain - 3 Specimens: Undisturbed (2.8" or 24" Diameter)	Each		15	
37	ASTM D 3080 - Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions EM 1110-2-1906 Appendix IX Drained Direct Shear Test, Controlled Strain - 3 Specimens: Compacted (2.8" or 24" Diameter)	Each		5	
38	ASTM D 4318 - Test Methods for Liquid and Plastic Limits (Atterberg, includes All Soil Classification) EM 1110-2-1906 Appendix IIIA - One-Point Liquid and Plastic Limit Test Method (Washed through No. 40 sieve)	Each		5	
39	ASTM D 4318 - Test Methods for Liquid and Plastic Limits (Atterberg, includes All Soil Classification) EM 1110-2-1906 Appendix IIIA - Liquid and Plastic Limit, Four-Point Method (Washed through No. 40 sieve)	Each		20	
40	ASTM D 4318 - Test Methods for Liquid and Plastic Limits (Atterberg, includes All Soil Classification) EM 1110-2-1906 Appendix IIIA - Liquid and Plastic Limit, Three-Point Method (Washed through No. 40 sieve)	Each		155	
41	ASTM D 4767 - Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils EM 1110-2-1906 Appendix X - Triaxial Compression Test: R Bar (Undisturbed, Consolidated, Undrained - Saturation by Backpressure, Pore Pressures Measured during Shear): 3-point (3" Diameter)	Each		5	
42	ASTM D 4767 - Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils EM 1110-2-1906 Appendix X - Triaxial Compression Test: R Bar (Undisturbed, Consolidated, Undrained - Saturation by Backpressure, Pore Pressures Measured during Shear): 3-point (4" Diameter)	Each		5	
43	ASTM D 4767 - Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils (R), 6" Diameter	Each		5	
44	ASTM D 4791 - Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate Each sieve size - Coarse Aggregate	Each		10	

45	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 3" or 4" Diameter (as requested)	Each		5	
46	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 6" Diameter	Each		5	
47	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Remolded) 3" or 4" Diameter (as requested)	Each		5	
48	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Remolded) 6" Diameter	Each		5	
49	ASTM D 5821 Percentage of Fractured Particles in Coarse Aggregate (pricing per sieve tested; test can be performed on any number of sieves)	Each		10	
50	ASTM D 6913 - Test Methods for Particle Size Distribution (Gradation) of Soils Using Sieve Analysis	Each		15	
51	ASTM D 6938 - Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	Each		785	
52	ASTM G 51/T289 - Test Method for Measuring pH of Soil for Use in Corrosion Testing	Each		5	

53	AASHTO T 290 - Method of Test for Determining Water-Soluble Sulfate Ion Content in Soil	Each		2	
54	AASHTO T 291 - Method of Test for Determining Water-Soluble Chloride Ion Content in Soil	Each		2	
55	CTM 417 - Method of Testing Soils and Waters for Sulfate Content	Each		2	
56	CTM 422 - Method of Testing Soils and Waters for Chloride Content	Each		2	
	CUTOFF WALL TESTING				
57	ASTM D 2166 - Test Method for Unconfined Compressive Strength of Cohesive Soil	Each		30	
58	API RP 13B-1 - Bentonite Slurry Density	Each		45	
59	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 3" or 4" Diameter (as requested)	Each		5	
60	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 6" Diameter	Each		5	
61	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 3" or 4" Diameter (as requested)	Each		5	
62	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 6" Diameter	Each		5	
63	ASTM D 6910 - Test Method for Marsh Funnel Viscosity of Clay Construction Slurries	Each		45	
	RIPRAP TESTING				
64	ASTM C 88 - Test Method for Soundness of Aggregates by Use of Sodium Sulfate (at least 5 cycles and 5 different sizes)	Each		5	
65	ASTM C 88 - Test Method for Soundness of Aggregates by Use of Magnesium Sulfate (at least 5 cycles and 5 different sizes)	Each		2	
66	ASTM C 127 - Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	Each		5	
67	ASTM C 535 - Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Each		5	
68	ASTM D 5519 - Standard Test Method for Particle Size Analysis of Natural and Man-Made Riprap Materials	Each		5	
	CONCRETE TESTING				
69	ASTM C 31 - Practice for Making and Curing Test Specimens (Set of two 6"x12" Cylinders) in the Field. (Also Includes Slump, Air and Temperature Tests.)	Each		85	
70	ASTM C 31 - Practice for Making and Curing Test Specimens (Set of three 4"x8" Cylinders) in the Field. (Also Includes Slump, Air and Temperature Tests.)	Each		40	
71	ASTM C 39 - Test Method for Compressive Strength of Cylindrical Concrete Specimens: (Per set of two 6"x12" Specimens)	Each		85	
72	ASTM C 39 - Test Method for Compressive Strength of Cylindrical Concrete Specimens: (Per set of three 4"x8" Specimen)	Each		40	
73	ASTM C 42 - Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete (4" Diameter Core Specimens) - per core	Each		15	
74	ASTM C 42 - Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete: Compressive Strength (6" Diameter Core Specimens) - per core	Each		50	
75	ASTM C 78 - Flexural Strength by Third Point Loading	Each		20	
76	ASTM C 109 - Compressive Strength of Cement Mortars Using Cube Specimens (price per cube)(2-3 minimum must be run per ASTM)	Each		10	
77	ASTM C 138 - Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete	Each		5	
78	ASTM C 143 -Test Method for Slump of Hydraulic-Cement Concrete (when not ordered as a part of ASTM C31)	Each		145	
79	ASTM C 157 - Length Change of Concrete and Mortars (price per set of three specimens as required by the the ASTM)	Each		5	
80	ASTM C 173 - Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method (when not ordered as a part of ASTM C31)	Each		15	
81	ASTM C 174 - Concrete Thickness by Drilled Cores	Each		5	
82	ASTM C 231 - Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method (when not ordered as a part of ASTM C31)	Each		140	
83	ASTM C 232 - Test Method for Bleeding of Concrete	Each		5	
84	ASTM C 567 - Test Method for Determining Density of Structural Lightweight Concrete	Each		5	
85	ASTM C 597 - Standard Test Method for Pulse Velocity Through Concrete (Field Testing per hour)	Hour		30	
86	ASTM C 856 - Petrographic Examination of Hardened Concrete	Each		5	
87	ASTM C 1019 - Sampling and Testing Grout	Each		10	
88	ASTM C 1064 - Temperature of Concrete (when not ordered as a part of ASTM C31)	Each		30	
89	ASTM C 1138 - Test Method for Abrasion Resistance of Concrete (Underwater Method)	Each		2	
90	ASTM C 1567 - Test Method for Determining the Potential Alkali- Silica Reactivity of Combinations of Cementitious Materials and Aggregates (Accelerated Mortar-Bar Method)	Each		5	
91	ASTM C1611 - Test Method for Slump Flow of Self-Consolidating Concrete	Each		10	
92	ASTM C 1688 - Test Method for Density and Void Content of Freshly Mixed Pervious Concrete	Each		5	
93	ASTM D 4832 - Test Method for Preparation and testing of Controlled Low Strength Material (CLSM) Test Cylinders	Each		20	
94	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 3" or 4" Diameter (as requested)	Each		0	
95	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber	Each		0	

	(using Backpressure Saturation) - (Undisturbed) 6" Diameter				
96	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 3" or 4" Diameter (as requested)	Each		0	
97	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 6" Diameter	Each		0	
98	ASTM E 114 - Standard Practice for Ultrasonic Pulse-Echo Straight-Beam Contact Testing (Field Testing per hour)	Hour		30	
	TESTS FOR ASPHALT AND ASPHALT MIXTURE TESTING				
99	ASTM D2041 - Theoretical Maximum Specific Gravity of Bituminous Paving Mixtures (per hot mix bulk sample)	Each		30	
100	ASTM D5581 - 07a(2013) Standard Test Method for Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus (6 inch-Diameter Specimen) (per set of 3 specimens)	Each		30	
101	ASTM D2726 - Bulk Specific Gravity and Density of compacted Bituminous Mixtures (2 specimens at mat, 1 specimen at joint)	Each		30	
102	ASTM D2172 - Quantitative Extraction of Bitumen from Bituminous Paving Mixtures (per hot mix bulk sample)	Each		30	
103	ASTM D2950 - Density of Bituminous Concrete in Place by Nuclear Methods	Each		30	
104	ASTM D 3203 - Percent Air Voids	Each		5	

105	ASTM D2172 Standard Test Methods for Quantitative Extraction of Asphalt Binder from Asphalt Mixtures	Each		5	
106	ASTM D 6307 - Asphalt Content of Hot-Mix Asphalt by Ignition Method (price to include calibration per test)	Each		5	
107	ASTM D6927 - Marshall Stability and Flow of Bituminous Mixtures	Each		5	
108	ASTM C42 - Obtaining and Testing Drilled Cores	Each		50	
	MASONRY FIELD TESTING				
109	ASTM C 109 - Compressive Strength of Cement Mortars Using Cube Specimens (price per cube)(2-3 minimum must be run per ASTM)	Each		145	
110	ASTM C140 - Sampling and Testing Concrete Masonry and Related Units; Base and Annex A1 only	Each		10	
111	ASTM C780 - Evaluation of Mortars for Plain and Reinforced Unit Masonry	Each		20	
112	ASTM C1019 - Sampling and Testing Grout	Each		55	
113	ASTM C1314 - Test Method for Compressive Strength of Masonry Prisms	Each		150	
	STRUCTURAL STEEL FIELD TESTING				
114	Ultrasonic Testing (UT)	Hour		25	
115	Radiographic Testing (RT) - for Structural Steel Field Testing	Hour		25	
116	Magnetic Particle Testing (MT)	Hour		25	
117	Liquid Penetrant Testing (PT)	Hour		25	
118	Visual Inspection	Hour		25	
	MISCELLANEOUS - OTHER				
119	Specifically directed stand-by time or specifically directed field testing and other field activities such as attending field meetings, (Unit-cost of each test item shall not include any travel or non-directed stand-by time.)	Hour		200	
120	Travel time to/from the Lab to the project site including the mileage charge for routine pick-up truck costs (Unit-cost of each test item shall not include any travel or stand-by time.)	Hour		200	

Total Evaluated Price for California "Bay Area" & Stockton-Modesto Region $.

Line Item No.	Test Procedure	Unit	Unit Price	Est Qty	Sub-Total
Central Coast and Southern Valley Region					
	SOIL TESTING/AGGREGATE TESTING				
1	ASTM C 40 - Test Method for Organic Impurities in Fine Aggregates for Concrete	Each		5	
2	ASTM C 88 - Sodium Sulfate Soundness, Coarse Aggregate	Each		5	
3	ASTM C 88 - Sodium Sulfate Soundness, Fine Aggregate	Each		5	
4	ASTM C 88 - Magnesium Sulfate Soundness, Coarse Aggregate	Each		5	
5	ASTM C 88 - Magnesium Sulfate Soundness, Fine Aggregate	Each		5	
6	ASTM C 123 - Lightweight Particles in Coarse Aggregate	Each		5	
7	ASTM C 123 - Lightweight Particles in Fine Aggregate	Each		5	
8	ASTM C 117 -Test Method for Material Finer than 75 µm (No. 200) Sieve in Mineral Aggregates by Washing	Each		120	
9	ASTM C 127 - Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	Each		25	
10	ASTM C 128 - Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate	Each		10	
11	ASTM C 131 - Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Each		35	
12	ASTM C 136 - Test Method for Sieve Analysis of Fine and Coarse Aggregates: Fine Aggregates	Each		70	
13	ASTM C 136 -Test Method for Sieve Analysis of Fine and Coarse Aggregates: Coarse aggregate (1-1/2" to #200 Sieve)	Each		80	
14	ASTM C 136 - Test Method for Sieve Analysis of Fine and Coarse Aggregates (3" to No. 200 sieve)	Each		25	
15	ASTM C 142 - Clay Lumps & Friable Particles, Coarse Aggregate	Each		5	
16	ASTM C 142 - Clay Lumps & Friable Particles, Fine Aggregate	Each		5	
17	ASTM C 566 - Total Moisture Content in Coarse Aggregate	Each		15	
18	ASTM C 566 - Total Moisture Content in Fine Aggregate	Each		15	
19	ASTM D422 - Test Method of Particle-Size Analysis of Soils (Sieve and Hydrometer Analysis (10-14 Sieves)	Each		30	
20	ASTM D422 - Test Method of Particle-Size Analysis of Soils (Sieve and Hydrometer Analysis (6-9 Sieves)	Each		30	
21	ASTM D 558 - Test Method for Moisture-Density (Unit Weight) Relations of Soil-Cement Mixtures: Method A	Each		5	
22	ASTM D 558 - Test Method for Moisture-Density (Unit Weight) Relations of Soil-Cement Mixtures: Method B	Each		5	
23	ASTM D 698 - Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (Moisture-Density, 5-Point Curve): Method A and B - 4" Diameter Mold	Each		55	
24	ASTM D 698 - Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (Moisture-Density, 5-Point Curve): Method C - 6" Diameter Mold	Each		30	
25	ASTM D 1140 - Test Methods for Amount of Material in Soils Finer than No. 200 (75-µm) Sieve	Each		25	
26	ASTM C 1260 - Test Method for Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	Each		95	
27	ASTM D 1556 - Test Methods for Density and Unit Weight of Soil in Place by Sand-Cone Method	Each		5	
28	ASTM D 1557 - Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (Method A and B - 4" Diameter Mold; 5-Point Curve)	Each		325	
29	ASTM D 1557 - Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (Method C - 6" Diameter Mold; 5-Point Curve)	Each		20	
30	ASTM D 2166 - Test Method for Unconfined Compressive Strength of Cohesive Soil	Each		15	
31	ASTM D 2216 - Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass (Jar or Bag)	Each		25	
32	ASTM D 2434 - Permeability by Constant Head	Each		450	
33	ASTM D2487 - Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)	Each		30	
34	"ASTM D 2850 - Test Method for Unconsolidated-Undrained Triaxial Compression Test on Cohesive Soils (Shear) EM 1110-2- 1906 Appendix X - Triaxial Compression Test: Q Test (Undisturbed, Unconsolidated, Undrained): 3 Specimens (2.8" Diameter)	Each		315	
35	"ASTM D 2850 - Test Method for Unconsolidated-Undrained Triaxial Compression Test on Cohesive Soils (Shear) EM 1110-2- 1906 Appendix X - Triaxial Compression Test: Q Test (Compacted, Unconsolidated, Undrained): 3 Specimens (2.8" Diameter)	Each		10	
36	ASTM D 3080 - Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions EM 1110-2-1906 Appendix IX Drained Direct Shear Test, Controlled Strain - 3 Specimens: Undisturbed (2.8" or 24" Diameter)	Each		15	
37	ASTM D 3080 - Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions EM 1110-2-1906 Appendix IX Drained Direct Shear Test, Controlled Strain - 3 Specimens: Compacted (2.8" or 24" Diameter)	Each		10	
38	ASTM D 4318 - Test Methods for Liquid and Plastic Limits (Atterberg, includes All Soil Classification) EM 1110-2-1906 Appendix IIIA - One-Point Liquid and Plastic Limit Test Method (Washed through No. 40 sieve)	Each		10	
39	ASTM D 4318 - Test Methods for Liquid and Plastic Limits (Atterberg, includes All Soil Classification) EM 1110-2-1906 Appendix IIIA - Liquid and Plastic Limit, Four-Point Method (Washed through No. 40 sieve)	Each		30	
40	ASTM D 4318 - Test Methods for Liquid and Plastic Limits (Atterberg, includes All Soil Classification) EM 1110-2-1906 Appendix IIIA - Liquid and Plastic Limit, Three-Point Method (Washed through No. 40 sieve)	Each		175	
41	ASTM D 4767 - Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils EM 1110-2-1906 Appendix X - Triaxial Compression Test: R Bar (Undisturbed, Consolidated, Undrained - Saturation by Backpressure, Pore Pressures Measured during Shear): 3-point (3" Diameter)	Each		5	
42	ASTM D 4767 - Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils EM 1110-2-1906 Appendix X - Triaxial Compression Test: R Bar (Undisturbed, Consolidated, Undrained - Saturation by Backpressure, Pore Pressures Measured during Shear): 3-point (4" Diameter)	Each		5	
43	ASTM D 4767 - Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils (R), 6" Diameter	Each		5	
44	ASTM D 4791 - Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate Each sieve size - Coarse Aggregate	Each		10	

45	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 3" or 4" Diameter (as requested)	Each		25	
46	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 6" Diameter	Each		25	
47	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Remolded) 3" or 4" Diameter (as requested)	Each		25	
48	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Remolded) 6" Diameter	Each		25	
49	ASTM D 5821 Percentage of Fractured Particles in Coarse Aggregate (pricing per sieve tested; test can be performed on any number of sieves)	Each		10	
50	ASTM D 6913 - Test Methods for Particle Size Distribution (Gradation) of Soils Using Sieve Analysis	Each		50	
51	ASTM D 6938 - Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	Each		835	
52	ASTM G 51/T289 - Test Method for Measuring pH of Soil for Use in Corrosion Testing	Each		10	
53	AASHTO T 290 - Method of Test for Determining Water-Soluble Sulfate Ion Content in Soil	Each		1	

54	AASHTO T 291 - Method of Test for Determining Water-Soluble Chloride Ion Content in Soil	Each		1	
55	CTM 417 - Method of Testing Soils and Waters for Sulfate Content	Each		1	
56	CTM 422 - Method of Testing Soils and Waters for Chloride Content	Each		1	
	CUTOFF WALL TESTING				
57	ASTM D 2166 - Test Method for Unconfined Compressive Strength of Cohesive Soil	Each		150	
58	API RP 13B-1 - Bentonite Slurry Density	Each		225	
59	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 3" or 4" Diameter (as requested)	Each		15	
60	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 6" Diameter	Each		15	
61	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 3" or 4" Diameter (as requested)	Each		15	
62	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 6" Diameter	Each		15	
63	ASTM D 6910 - Test Method for Marsh Funnel Viscosity of Clay Construction Slurries	Each		225	
	RIPRAP TESTING				
64	ASTM C 88 - Test Method for Soundness of Aggregates by Use of Sodium Sulfate (at least 5 cycles and 5 different sizes)	Each		5	
65	ASTM C 88 - Test Method for Soundness of Aggregates by Use of Magnesium Sulfate (at least 5 cycles and 5 different sizes)	Each		2	
66	ASTM C 127 - Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	Each		10	
67	ASTM C 535 - Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Each		5	
68	ASTM D 5519 - Standard Test Method for Particle Size Analysis of Natural and Man-Made Riprap Materials	Each		5	
	CONCRETE TESTING				
69	ASTM C 31 - Practice for Making and Curing Test Specimens (Set of two 6"x12" Cylinders) in the Field. (Also Includes Slump, Air and Temperature Tests.)	Each		105	
70	ASTM C 31 - Practice for Making and Curing Test Specimens (Set of three 4"x8" Cylinders) in the Field. (Also Includes Slump, Air and Temperature Tests.)	Each		80	
71	ASTM C 39 - Test Method for Compressive Strength of Cylindrical Concrete Specimens: (Per set of two 6"x12" Specimens)	Each		105	
72	ASTM C 39 - Test Method for Compressive Strength of Cylindrical Concrete Specimens: (Per set of three 4"x8" Specimen)	Each		80	
73	ASTM C 42 - Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete (4" Diameter Core Specimens) - per core	Each		30	
74	ASTM C 42 - Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete: Compressive Strength (6" Diameter Core Specimens) - per core	Each		50	
75	ASTM C 78 - Flexural Strength by Third Point Loading	Each		20	
76	ASTM C 109 - Compressive Strength of Cement Mortars Using Cube Specimens (price per cube)(2-3 minimum must be run per ASTM)	Each		45	
77	ASTM C 138 - Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete	Each		15	
78	ASTM C 143 -Test Method for Slump of Hydraulic-Cement Concrete (when not ordered as a part of ASTM C31)	Each		120	
79	ASTM C 157 - Length Change of Concrete and Mortars (price per set of three specimens as required by the the ASTM)	Each		5	
80	ASTM C 173 - Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method (when not ordered as a part of ASTM C31)	Each		20	
81	ASTM C 174 - Concrete Thickness by Drilled Cores	Each		15	
82	ASTM C 231 - Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method (when not ordered as a part of ASTM C31)	Each		90	
83	ASTM C 232 - Test Method for Bleeding of Concrete	Each		5	
84	ASTM C 567 - Test Method for Determining Density of Structural Lightweight Concrete	Each		10	
85	ASTM C 597 - Standard Test Method for Pulse Velocity Through Concrete (Field Testing per hour)	Hour		30	
86	ASTM C 856 - Petrographic Examination of Hardened Concrete	Each		5	
87	ASTM C 1019 - Sampling and Testing Grout	Each		30	
88	ASTM C 1064 - Temperature of Concrete (when not ordered as a part of ASTM C31)	Each		150	
89	ASTM C 1138 - Test Method for Abrasion Resistance of Concrete (Underwater Method)	Each		8	
90	ASTM C 1567 - Test Method for Determining the Potential Alkali- Silica Reactivity of Combinations of Cementitious Materials and Aggregates (Accelerated Mortar-Bar Method)	Each		5	
91	ASTM C1611 - Test Method for Slump Flow of Self-Consolidating Concrete	Each		45	
92	ASTM C 1688 - Test Method for Density and Void Content of Freshly Mixed Pervious Concrete	Each		5	
93	ASTM D 4832 - Test Method for Preparation and testing of Controlled Low Strength Material (CLSM) Test Cylinders	Each		90	
94	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 3" or 4" Diameter (as requested)	Each		0	
95	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 6" Diameter	Each		0	

96	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 3" or 4" Diameter (as requested)	Each		0	
97	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 6" Diameter	Each		0	
98	ASTM E 114 - Standard Practice for Ultrasonic Pulse-Echo Straight-Beam Contact Testing (Field Testing per hour)	Hour		30	
	TESTS FOR ASPHALT AND ASPHALT MIXTURE TESTING				
99	ASTM D2041 - Theoretical Maximum Specific Gravity of Bituminous Paving Mixtures (per hot mix bulk sample)	Each		30	
100	ASTM D5581 - 07a(2013) Standard Test Method for Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus (6 inch-Diameter Specimen) (per set of 3 specimens)	Each		30	
101	ASTM D2726 - Bulk Specific Gravity and Density of compacted Bituminous Mixtures (2 specimens at mat, 1 specimen at joint)	Each		30	
102	ASTM D2172 - Quantitative Extraction of Bitumen from Bituminous Paving Mixtures (per hot mix bulk sample)	Each		30	
103	ASTM D2950 - Density of Bituminous Concrete in Place by Nuclear Methods	Each		30	
104	ASTM D 3203 - Percent Air Voids	Each		5	
105	ASTM D2172 Standard Test Methods for Quantitative Extraction of Asphalt Binder from Asphalt Mixtures	Each		5	

106	ASTM D 6307 - Asphalt Content of Hot-Mix Asphalt by Ignition Method (price to include calibration per test)	Each		5	
107	ASTM D6927 - Marshall Stability and Flow of Bituminous Mixtures	Each		5	
108	ASTM C42 - Obtaining and Testing Drilled Cores	Each		50	
	MASONRY FIELD TESTING				
109	ASTM C 109 - Compressive Strength of Cement Mortars Using Cube Specimens (price per cube)(2-3 minimum must be run per ASTM)	Each		120	
110	ASTM C140 - Sampling and Testing Concrete Masonry and Related Units; Base and Annex A1 only	Each		10	
111	ASTM C780 - Evaluation of Mortars for Plain and Reinforced Unit Masonry	Each		80	
112	ASTM C1019 - Sampling and Testing Grout	Each		55	
113	ASTM C1314 - Test Method for Compressive Strength of Masonry Prisms	Each		150	
	STRUCTURAL STEEL FIELD TESTING				
114	Ultrasonic Testing (UT)	Hour		25	
115	Radiographic Testing (RT) - for Structural Steel Field Testing	Hour		25	
116	Magnetic Particle Testing (MT)	Hour		25	
117	Liquid Penetrant Testing (PT)	Hour		25	
118	Visual Inspection	Hour		25	
	MISCELLANEOUS - OTHER				
119	Specifically directed stand-by time or specifically directed field testing and other field activities such as attending field meetings, (Unit-cost of each test item shall not include any travel or non-directed stand-by time.)	Hour		510	
120	Travel time to/from the Lab to the project site including the mileage charge for routine pick-up truck costs (Unit-cost of each test item shall not include any travel or stand-by time.)	Hour		510	

Total Evaluated Price for Central Coast and Southern Valley Region $

Line Item No.	Test Procedure	Unit	Unit Price	Est Qty	Sub-Total
Nevada Region					
	SOIL TESTING/AGGREGATE TESTING				
1	ASTM C 40 - Test Method for Organic Impurities in Fine Aggregates for Concrete	Each		5	
2	ASTM C 88 - Sodium Sulfate Soundness, Coarse Aggregate	Each		5	
3	ASTM C 88 - Sodium Sulfate Soundness, Fine Aggregate	Each		5	
4	ASTM C 88 - Magnesium Sulfate Soundness, Coarse Aggregate	Each		5	
5	ASTM C 88 - Magnesium Sulfate Soundness, Fine Aggregate	Each		5	
6	ASTM C 123 - Lightweight Particles in Coarse Aggregate	Each		5	
7	ASTM C 123 - Lightweight Particles in Fine Aggregate	Each		5	
8	ASTM C 117 -Test Method for Material Finer than 75 µm (No. 200) Sieve in Mineral Aggregates by Washing	Each		100	
9	ASTM C 127 - Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	Each		30	
10	ASTM C 128 - Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate	Each		5	
11	ASTM C 131 - Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Each		40	
12	ASTM C 136 - Test Method for Sieve Analysis of Fine and Coarse Aggregates: Fine Aggregates	Each		110	
13	ASTM C 136 -Test Method for Sieve Analysis of Fine and Coarse Aggregates: Coarse aggregate (1-1/2" to #200 Sieve)	Each		120	
14	ASTM C 136 - Test Method for Sieve Analysis of Fine and Coarse Aggregates (3" to No. 200 sieve)	Each		5	
15	ASTM C 142 - Clay Lumps & Friable Particles, Coarse Aggregate	Each		5	
16	ASTM C 142 - Clay Lumps & Friable Particles, Fine Aggregate	Each		5	
17	ASTM C 566 - Total Moisture Content in Coarse Aggregate	Each		5	
18	ASTM C 566 - Total Moisture Content in Fine Aggregate	Each		5	
19	ASTM D422 - Test Method of Particle-Size Analysis of Soils (Sieve and Hydrometer Analysis (10-14 Sieves)	Each		45	
20	ASTM D422 - Test Method of Particle-Size Analysis of Soils (Sieve and Hydrometer Analysis (6-9 Sieves)	Each		45	
21	ASTM D 558 - Test Method for Moisture-Density (Unit Weight) Relations of Soil-Cement Mixtures: Method A	Each		5	
22	ASTM D 558 - Test Method for Moisture-Density (Unit Weight) Relations of Soil-Cement Mixtures: Method B	Each		5	
23	ASTM D 698 - Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (Moisture-Density, 5-Point Curve): Method A and B - 4" Diameter Mold	Each		15	
24	ASTM D 698 - Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (Moisture-Density, 5-Point Curve): Method C - 6" Diameter Mold	Each		30	
25	ASTM D 1140 - Test Methods for Amount of Material in Soils Finer than No. 200 (75-µm) Sieve	Each		30	
26	ASTM C 1260 - Test Method for Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	Each		20	
27	ASTM D 1556 - Test Methods for Density and Unit Weight of Soil in Place by Sand-Cone Method	Each		5	
28	ASTM D 1557 - Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (Method A and B - 4" Diameter Mold; 5-Point Curve)	Each		345	
29	ASTM D 1557 - Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (Method C - 6" Diameter Mold; 5-Point Curve)	Each		15	
30	ASTM D 2166 - Test Method for Unconfined Compressive Strength of Cohesive Soil	Each		5	
31	ASTM D 2216 - Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass (Jar or Bag)	Each		5	
32	ASTM D 2434 - Permeability by Constant Head	Each		90	
33	ASTM D2487 - Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)	Each		10	
34	"ASTM D 2850 - Test Method for Unconsolidated-Undrained Triaxial Compression Test on Cohesive Soils (Shear) EM 1110-2-1906 Appendix X - Triaxial Compression Test: Q Test (Undisturbed, Unconsolidated, Undrained): 3 Specimens (2.8" Diameter)	Each		90	
35	"ASTM D 2850 - Test Method for Unconsolidated-Undrained Triaxial Compression Test on Cohesive Soils (Shear) EM 1110-2- 1906 Appendix X - Triaxial Compression Test: Q Test (Compacted, Unconsolidated, Undrained): 3 Specimens (2.8" Diameter)	Each		5	
36	ASTM D 3080 - Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions EM 1110-2-1906 Appendix IX Drained Direct Shear Test, Controlled Strain - 3 Specimens: Undisturbed (2.8" or 24" Diameter)	Each		15	
37	ASTM D 3080 - Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions EM 1110-2-1906 Appendix IX Drained Direct Shear Test, Controlled Strain - 3 Specimens: Compacted (2.8" or 24" Diameter)	Each		5	
38	ASTM D 4318 - Test Methods for Liquid and Plastic Limits (Atterberg, includes All Soil Classification) EM 1110-2-1906 Appendix IIIA - One-Point Liquid and Plastic Limit Test Method (Washed through No. 40 sieve)	Each		5	
39	ASTM D 4318 - Test Methods for Liquid and Plastic Limits (Atterberg, includes All Soil Classification) EM 1110-2-1906 Appendix IIIA - Liquid and Plastic Limit, Four-Point Method (Washed through No. 40 sieve)	Each		20	
40	ASTM D 4318 - Test Methods for Liquid and Plastic Limits (Atterberg, includes All Soil Classification) EM 1110-2-1906 Appendix IIIA - Liquid and Plastic Limit, Three-Point Method (Washed through No. 40 sieve)	Each		155	
41	ASTM D 4767 - Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils EM 1110-2-1906 Appendix X - Triaxial Compression Test: R Bar (Undisturbed, Consolidated, Undrained - Saturation by Backpressure, Pore Pressures Measured during Shear): 3-point (3" Diameter)	Each		5	
42	ASTM D 4767 - Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils EM 1110-2-1906 Appendix X - Triaxial Compression Test: R Bar (Undisturbed, Consolidated, Undrained - Saturation by Backpressure, Pore Pressures Measured during Shear): 3-point (4" Diameter)	Each		5	
43	ASTM D 4767 - Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils (R), 6" Diameter	Each		5	
44	ASTM D 4791 - Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate Each sieve size - Coarse Aggregate	Each		10	

45	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 3" or 4" Diameter (as requested)	Each		5	
46	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 6" Diameter	Each		5	
47	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Remolded) 3" or 4" Diameter (as requested)	Each		5	
48	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Remolded) 6" Diameter	Each		5	
49	ASTM D 5821 Percentage of Fractured Particles in Coarse Aggregate (pricing per sieve tested; test can be performed on any number of sieves)	Each		10	
50	ASTM D 6913 - Test Methods for Particle Size Distribution (Gradation) of Soils Using Sieve Analysis	Each		15	
51	ASTM D 6938 - Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	Each		785	
52	ASTM G 51/T289 - Test Method for Measuring pH of Soil for Use in Corrosion Testing	Each		5	

53	AASHTO T 290 - Method of Test for Determining Water-Soluble Sulfate Ion Content in Soil	Each		5	
54	AASHTO T 291 - Method of Test for Determining Water-Soluble Chloride Ion Content in Soil	Each		5	
55	CTM 417 - Method of Testing Soils and Waters for Sulfate Content	Each		5	
56	CTM 422 - Method of Testing Soils and Waters for Chloride Content	Each		5	
	CUTOFF WALL TESTING				
57	ASTM D 2166 - Test Method for Unconfined Compressive Strength of Cohesive Soil	Each		30	
58	API RP 13B-1 - Bentonite Slurry Density	Each		45	
59	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 3" or 4" Diameter (as requested)	Each		5	
60	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 6" Diameter	Each		5	
61	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 3" or 4" Diameter (as requested)	Each		5	
62	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 6" Diameter	Each		5	
63	ASTM D 6910 - Test Method for Marsh Funnel Viscosity of Clay Construction Slurries	Each		45	
	RIPRAP TESTING				
64	ASTM C 88 - Test Method for Soundness of Aggregates by Use of Sodium Sulfate (at least 5 cycles and 5 different sizes)	Each		5	
65	ASTM C 88 - Test Method for Soundness of Aggregates by Use of Magnesium Sulfate (at least 5 cycles and 5 different sizes)	Each		2	
66	ASTM C 127 - Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	Each		5	
67	ASTM C 535 - Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Each		5	
68	ASTM D 5519 - Standard Test Method for Particle Size Analysis of Natural and Man-Made Riprap Materials	Each		5	
	CONCRETE TESTING				
69	ASTM C 31 - Practice for Making and Curing Test Specimens (Set of two 6"x12" Cylinders) in the Field. (Also Includes Slump, Air and Temperature Tests.)	Each		85	
70	ASTM C 31 - Practice for Making and Curing Test Specimens (Set of three 4"x8" Cylinders) in the Field. (Also Includes Slump, Air and Temperature Tests.)	Each		40	
71	ASTM C 39 - Test Method for Compressive Strength of Cylindrical Concrete Specimens: (Per set of two 6"x12" Specimens)	Each		85	
72	ASTM C 39 - Test Method for Compressive Strength of Cylindrical Concrete Specimens: (Per set of three 4"x8" Specimen)	Each		40	
73	ASTM C 42 - Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete (4" Diameter Core Specimens) - per core	Each		15	
74	ASTM C 42 - Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete: Compressive Strength (6" Diameter Core Specimens) - per core	Each		50	
75	ASTM C 78 - Flexural Strength by Third Point Loading	Each		20	
76	ASTM C 109 - Compressive Strength of Cement Mortars Using Cube Specimens (price per cube)(2-3 minimum must be run per ASTM)	Each		10	
77	ASTM C 138 - Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete	Each		5	
78	ASTM C 143 -Test Method for Slump of Hydraulic-Cement Concrete (when not ordered as a part of ASTM C31)	Each		145	
79	ASTM C 157 - Length Change of Concrete and Mortars (price per set of three specimens as required by the the ASTM)	Each		5	
80	ASTM C 173 - Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method (when not ordered as a part of ASTM C31)	Each		15	
81	ASTM C 174 - Concrete Thickness by Drilled Cores	Each		5	
82	ASTM C 231 - Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method (when not ordered as a part of ASTM C31)	Each		140	
83	ASTM C 232 - Test Method for Bleeding of Concrete	Each		5	
84	ASTM C 567 - Test Method for Determining Density of Structural Lightweight Concrete	Each		5	
85	ASTM C 597 - Standard Test Method for Pulse Velocity Through Concrete (Field Testing per hour)	Hour		30	
86	ASTM C 856 - Petrographic Examination of Hardened Concrete	Each		5	
87	ASTM C 1019 - Sampling and Testing Grout	Each		10	
88	ASTM C 1064 - Temperature of Concrete (when not ordered as a part of ASTM C31)	Each		30	
89	ASTM C 1138 - Test Method for Abrasion Resistance of Concrete (Underwater Method)	Each		5	
90	ASTM C 1567 - Test Method for Determining the Potential Alkali- Silica Reactivity of Combinations of Cementitious Materials and Aggregates (Accelerated Mortar-Bar Method)	Each		5	
91	ASTM C1611 - Test Method for Slump Flow of Self-Consolidating Concrete	Each		10	
92	ASTM C 1688 - Test Method for Density and Void Content of Freshly Mixed Pervious Concrete	Each		5	
93	ASTM D 4832 - Test Method for Preparation and testing of Controlled Low Strength Material (CLSM) Test Cylinders	Each		20	
94	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 3" or 4" Diameter (as requested)	Each		5	
95	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber	Each		5	

	(using Backpressure Saturation) - (Undisturbed) 6" Diameter				
96	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 3" or 4" Diameter (as requested)	Each		5	
97	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 6" Diameter	Each		5	
98	ASTM E 114 - Standard Practice for Ultrasonic Pulse-Echo Straight-Beam Contact Testing (Field Testing per hour)	Hour		30	
	TESTS FOR ASPHALT AND ASPHALT MIXTURE TESTING				
99	ASTM D2041 - Theoretical Maximum Specific Gravity of Bituminous Paving Mixtures (per hot mix bulk sample)	Each		30	
100	ASTM D5581 - 07a(2013) Standard Test Method for Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus (6 inch-Diameter Specimen) (per set of 3 specimens)	Each		30	
101	ASTM D2726 - Bulk Specific Gravity and Density of compacted Bituminous Mixtures (2 specimens at mat, 1 specimen at joint)	Each		30	
102	ASTM D2172 - Quantitative Extraction of Bitumen from Bituminous Paving Mixtures (per hot mix bulk sample)	Each		30	
103	ASTM D2950 - Density of Bituminous Concrete in Place by Nuclear Methods	Each		30	
104	ASTM D 3203 - Percent Air Voids	Each		5	

105	ASTM D2172 Standard Test Methods for Quantitative Extraction of Asphalt Binder from Asphalt Mixtures	Each		5	
106	ASTM D 6307 - Asphalt Content of Hot-Mix Asphalt by Ignition Method (price to include calibration per test)	Each		5	
107	ASTM D6927 - Marshall Stability and Flow of Bituminous Mixtures	Each		5	
108	ASTM C42 - Obtaining and Testing Drilled Cores	Each		50	
	MASONRY FIELD TESTING				
109	ASTM C 109 - Compressive Strength of Cement Mortars Using Cube Specimens (price per cube)(2-3 minimum must be run per ASTM)	Each		145	
110	ASTM C140 - Sampling and Testing Concrete Masonry and Related Units; Base and Annex A1 only	Each		10	
111	ASTM C780 - Evaluation of Mortars for Plain and Reinforced Unit Masonry	Each		20	
112	ASTM C1019 - Sampling and Testing Grout	Each		55	
113	ASTM C1314 - Test Method for Compressive Strength of Masonry Prisms	Each		150	
	STRUCTURAL STEEL FIELD TESTING				
114	Ultrasonic Testing (UT)	Hour		25	
115	Radiographic Testing (RT) - for Structural Steel Field Testing	Hour		25	
116	Magnetic Particle Testing (MT)	Hour		25	
117	Liquid Penetrant Testing (PT)	Hour		25	
118	Visual Inspection	Hour		25	
	MISCELLANEOUS - OTHER				
119	Specifically directed stand-by time or specifically directed field testing and other field activities such as attending field meetings, (Unit-cost of each test item shall not include any travel or non-directed stand-by time.)	Hour		200	
120	Travel time to/from the Lab to the project site including the mileage charge for routine pick-up truck costs (Unit-cost of each test item shall not include any travel or stand-by time.)	Hour		200	

Line Item No.	Test Procedure	Unit	Unit Price	Est Qty	Sub-Total
Utah Region					
	SOIL TESTING/AGGREGATE TESTING				
1	ASTM C 40 - Test Method for Organic Impurities in Fine Aggregates for Concrete	Each		0	
2	ASTM C 88 - Sodium Sulfate Soundness, Coarse Aggregate	Each		0	
3	ASTM C 88 - Sodium Sulfate Soundness, Fine Aggregate	Each		0	
4	ASTM C 88 - Magnesium Sulfate Soundness, Coarse Aggregate	Each		0	
5	ASTM C 88 - Magnesium Sulfate Soundness, Fine Aggregate	Each		0	
6	ASTM C 123 - Lightweight Particles in Coarse Aggregate	Each		0	
7	ASTM C 123 - Lightweight Particles in Fine Aggregate	Each		0	
8	ASTM C 117 -Test Method for Material Finer than 75 µm (No. 200) Sieve in Mineral Aggregates by Washing	Each		90	
9	ASTM C 127 - Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	Each		30	
10	ASTM C 128 - Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate	Each		0	
11	ASTM C 131 - Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Each		40	
12	ASTM C 136 - Test Method for Sieve Analysis of Fine and Coarse Aggregates: Fine Aggregates	Each		120	
13	ASTM C 136 -Test Method for Sieve Analysis of Fine and Coarse Aggregates: Coarse aggregate (1-1/2" to #200 Sieve)	Each		130	
14	ASTM C 136 - Test Method for Sieve Analysis of Fine and Coarse Aggregates (3" to No. 200 sieve)	Each		0	
15	ASTM C 142 - Clay Lumps & Friable Particles, Coarse Aggregate	Each		0	
16	ASTM C 142 - Clay Lumps & Friable Particles, Fine Aggregate	Each		0	
17	ASTM C 566 - Total Moisture Content in Coarse Aggregate	Each		0	
18	ASTM C 566 - Total Moisture Content in Fine Aggregate	Each		0	
19	ASTM D422 - Test Method of Particle-Size Analysis of Soils (Sieve and Hydrometer Analysis (10-14 Sieves)	Each		45	
20	ASTM D422 - Test Method of Particle-Size Analysis of Soils (Sieve and Hydrometer Analysis (6-9 Sieves)	Each		45	
21	ASTM D 558 - Test Method for Moisture-Density (Unit Weight) Relations of Soil-Cement Mixtures: Method A	Each		0	
22	ASTM D 558 - Test Method for Moisture-Density (Unit Weight) Relations of Soil-Cement Mixtures: Method B	Each		0	
23	ASTM D 698 - Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (Moisture-Density, 5-Point Curve): Method A and B - 4" Diameter Mold	Each		0	
24	ASTM D 698 - Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (Moisture-Density, 5-Point Curve): Method C - 6" Diameter Mold	Each		0	
25	ASTM D 1140 - Test Methods for Amount of Material in Soils Finer than No. 200 (75-µm) Sieve	Each		30	
26	ASTM C 1260 - Test Method for Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	Each		0	
27	ASTM D 1556 - Test Methods for Density and Unit Weight of Soil in Place by Sand-Cone Method	Each		0	
28	ASTM D 1557 - Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (Method A and B - 4" Diameter Mold; 5-Point Curve)	Each		350	
29	ASTM D 1557 - Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (Method C - 6" Diameter Mold; 5-Point Curve)	Each		10	
30	ASTM D 2166 - Test Method for Unconfined Compressive Strength of Cohesive Soil	Each		0	
31	ASTM D 2216 - Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass (Jar or Bag)	Each		0	
32	ASTM D 2434 - Permeability by Constant Head	Each		0	
33	ASTM D2487 - Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)	Each		0	
34	"ASTM D 2850 - Test Method for Unconsolidated-Undrained Triaxial Compression Test on Cohesive Soils (Shear) EM 1110-2- 1906 Appendix X - Triaxial Compression Test: Q Test (Undisturbed, Unconsolidated, Undrained): 3 Specimens (2.8" Diameter)	Each		30	
35	"ASTM D 2850 - Test Method for Unconsolidated-Undrained Triaxial Compression Test on Cohesive Soils (Shear) EM 1110-2- 1906 Appendix X - Triaxial Compression Test: Q Test (Compacted, Unconsolidated, Undrained): 3 Specimens (2.8" Diameter)	Each		0	
36	ASTM D 3080 - Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions EM 1110-2-1906 Appendix IX Drained Direct Shear Test, Controlled Strain - 3 Specimens: Undisturbed (2.8" or 24" Diameter)	Each		10	
37	ASTM D 3080 - Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions EM 1110-2-1906 Appendix IX Drained Direct Shear Test, Controlled Strain - 3 Specimens: Compacted (2.8" or 24" Diameter)	Each		0	
38	ASTM D 4318 - Test Methods for Liquid and Plastic Limits (Atterberg, includes All Soil Classification) EM 1110-2-1906 Appendix IIIA - One-Point Liquid and Plastic Limit Test Method (Washed through No. 40 sieve)	Each		0	
39	ASTM D 4318 - Test Methods for Liquid and Plastic Limits (Atterberg, includes All Soil Classification) EM 1110-2-1906 Appendix IIIA - Liquid and Plastic Limit, Four-Point Method (Washed through No. 40 sieve)	Each		15	
40	ASTM D 4318 - Test Methods for Liquid and Plastic Limits (Atterberg, includes All Soil Classification) EM 1110-2-1906 Appendix IIIA - Liquid and Plastic Limit, Three-Point Method (Washed through No. 40 sieve)	Each		150	
41	ASTM D 4767 - Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils EM 1110-2-1906 Appendix X - Triaxial Compression Test: R Bar (Undisturbed, Consolidated, Undrained - Saturation by Backpressure, Pore Pressures Measured during Shear): 3-point (3" Diameter)	Each		0	
42	ASTM D 4767 - Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils EM 1110-2-1906 Appendix X - Triaxial Compression Test: R Bar (Undisturbed, Consolidated, Undrained - Saturation by Backpressure, Pore Pressures Measured during Shear): 3-point (4" Diameter)	Each		0	
43	ASTM D 4767 - Test Method for Consolidated Undrained Triaxial Compression Test for Cohesive Soils (R), 6" Diameter	Each		0	
44	ASTM D 4791 - Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate Each sieve size - Coarse Aggregate	Each		0	

45	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 3" or 4" Diameter (as requested)	Each		0	
46	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 6" Diameter	Each		0	
47	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Remolded) 3" or 4" Diameter (as requested)	Each		0	
48	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Remolded) 6" Diameter	Each		0	
49	ASTM D 5821 Percentage of Fractured Particles in Coarse Aggregate (pricing per sieve tested; test can be performed on any number of sieves)	Each		0	
50	ASTM D 6913 - Test Methods for Particle Size Distribution (Gradation) of Soils Using Sieve Analysis	Each		0	
51	ASTM D 6938 - Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	Each		770	
52	ASTM G 51/T289 - Test Method for Measuring pH of Soil for Use in Corrosion Testing	Each		0	
53	AASHTO T 290 - Method of Test for Determining Water-Soluble Sulfate Ion Content in Soil	Each		0	

54	AASHTO T 291 - Method of Test for Determining Water-Soluble Chloride Ion Content in Soil	Each		0	
55	CTM 417 - Method of Testing Soils and Waters for Sulfate Content	Each		0	
56	CTM 422 - Method of Testing Soils and Waters for Chloride Content	Each		0	
	CUTOFF WALL TESTING				
57	ASTM D 2166 - Test Method for Unconfined Compressive Strength of Cohesive Soil	Each		0	
58	API RP 13B-1 - Bentonite Slurry Density	Each		0	
59	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 3" or 4" Diameter (as requested)	Each		0	
60	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 6" Diameter	Each		1	
61	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 3" or 4" Diameter (as requested)	Each		2	
62	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 6" Diameter	Each		3	
63	ASTM D 6910 - Test Method for Marsh Funnel Viscosity of Clay Construction Slurries	Each		0	
	RIPRAP TESTING				
64	ASTM C 88 - Test Method for Soundness of Aggregates by Use of Sodium Sulfate (at least 5 cycles and 5 different sizes)	Each		0	
65	ASTM C 88 - Test Method for Soundness of Aggregates by Use of Magnesium Sulfate (at least 5 cycles and 5 different sizes)	Each		0	
66	ASTM C 127 - Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	Each		0	
67	ASTM C 535 - Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Each		0	
68	ASTM D 5519 - Standard Test Method for Particle Size Analysis of Natural and Man-Made Riprap Materials	Each		0	
	CONCRETE TESTING				
69	ASTM C 31 - Practice for Making and Curing Test Specimens (Set of two 6"x12" Cylinders) in the Field. (Also Includes Slump, Air and Temperature Tests.)	Each		75	
70	ASTM C 31 - Practice for Making and Curing Test Specimens (Set of three 4"x8" Cylinders) in the Field. (Also Includes Slump, Air and Temperature Tests.)	Each		25	
71	ASTM C 39 - Test Method for Compressive Strength of Cylindrical Concrete Specimens: (Per set of two 6"x12" Specimens)	Each		75	
72	ASTM C 39 - Test Method for Compressive Strength of Cylindrical Concrete Specimens: (Per set of three 4"x8" Specimen)	Each		25	
73	ASTM C 42 - Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete (4" Diameter Core Specimens) - per core	Each		10	
74	ASTM C 42 - Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete: Compressive Strength (6" Diameter Core Specimens) - per core	Each		50	
75	ASTM C 78 - Flexural Strength by Third Point Loading	Each		20	
76	ASTM C 109 - Compressive Strength of Cement Mortars Using Cube Specimens (price per cube)(2-3 minimum must be run per ASTM)	Each		0	
77	ASTM C 138 - Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete	Each		0	
78	ASTM C 143 -Test Method for Slump of Hydraulic-Cement Concrete (when not ordered as a part of ASTM C31)	Each		150	
79	ASTM C 157 - Length Change of Concrete and Mortars (price per set of three specimens as required by the the ASTM)	Each		0	
80	ASTM C 173 - Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method (when not ordered as a part of ASTM C31)	Each		10	
81	ASTM C 174 - Concrete Thickness by Drilled Cores	Each		0	
82	ASTM C 231 - Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method (when not ordered as a part of ASTM C31)	Each		150	
83	ASTM C 232 - Test Method for Bleeding of Concrete	Each		0	
84	ASTM C 567 - Test Method for Determining Density of Structural Lightweight Concrete	Each		0	
85	ASTM C 597 - Standard Test Method for Pulse Velocity Through Concrete (Field Testing per hour)	Hour		30	
86	ASTM C 856 - Petrographic Examination of Hardened Concrete	Each		0	
87	ASTM C 1019 - Sampling and Testing Grout	Each		0	
88	ASTM C 1064 - Temperature of Concrete (when not ordered as a part of ASTM C31)	Each		0	
89	ASTM C 1138 - Test Method for Abrasion Resistance of Concrete (Underwater Method)	Each		0	
90	ASTM C 1567 - Test Method for Determining the Potential Alkali- Silica Reactivity of Combinations of Cementitious Materials and Aggregates (Accelerated Mortar-Bar Method)	Each		0	
91	ASTM C1611 - Test Method for Slump Flow of Self-Consolidating Concrete	Each		0	
92	ASTM C 1688 - Test Method for Density and Void Content of Freshly Mixed Pervious Concrete	Each		0	
93	ASTM D 4832 - Test Method for Preparation and testing of Controlled Low Strength Material (CLSM) Test Cylinders	Each		0	
94	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 3" or 4" Diameter (as requested)	Each		0	
95	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Undisturbed) 6" Diameter	Each		0	

96	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 3" or 4" Diameter (as requested)	Each		0	
97	ASTM D 5084 - Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability) EM 1110-2-1906 -Appendix II - Unit Weights, Void Ratio, Porosity, and Degree of Saturation, Triaxial Compression Chamber (using Backpressure Saturation) - (Molded) 6" Diameter	Each		0	
98	ASTM E 114 - Standard Practice for Ultrasonic Pulse-Echo Straight-Beam Contact Testing (Field Testing per hour)	Hour		30	
	TESTS FOR ASPHALT AND ASPHALT MIXTURE TESTING				
99	ASTM D2041 - Theoretical Maximum Specific Gravity of Bituminous Paving Mixtures (per hot mix bulk sample)	Each		30	
100	ASTM D5581 - 07a(2013) Standard Test Method for Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus (6 inch-Diameter Specimen) (per set of 3 specimens)	Each		30	
101	ASTM D2726 - Bulk Specific Gravity and Density of compacted Bituminous Mixtures (2 specimens at mat, 1 specimen at joint)	Each		30	
102	ASTM D2172 - Quantitative Extraction of Bitumen from Bituminous Paving Mixtures (per hot mix bulk sample)	Each		30	
103	ASTM D2950 - Density of Bituminous Concrete in Place by Nuclear Methods	Each		30	
104	ASTM D 3203 - Percent Air Voids	Each		0	
105	ASTM D2172 Standard Test Methods for Quantitative Extraction of Asphalt Binder from Asphalt Mixtures	Each		0	

106	ASTM D 6307 - Asphalt Content of Hot-Mix Asphalt by Ignition Method (price to include calibration per test)	Each		0	
107	ASTM D6927 - Marshall Stability and Flow of Bituminous Mixtures	Each		0	
108	ASTM C42 - Obtaining and Testing Drilled Cores	Each		50	
	MASONRY FIELD TESTING				
109	ASTM C 109 - Compressive Strength of Cement Mortars Using Cube Specimens (price per cube)(2-3 minimum must be run per ASTM)	Each		150	
110	ASTM C140 - Sampling and Testing Concrete Masonry and Related Units; Base and Annex A1 only	Each		0	
111	ASTM C780 - Evaluation of Mortars for Plain and Reinforced Unit Masonry	Each		0	
112	ASTM C1019 - Sampling and Testing Grout	Each		50	
113	ASTM C1314 - Test Method for Compressive Strength of Masonry Prisms	Each		150	
	STRUCTURAL STEEL FIELD TESTING				
114	Ultrasonic Testing (UT)	Hour		20	
115	Radiographic Testing (RT) - for Structural Steel Field Testing	Hour		20	
116	Magnetic Particle Testing (MT)	Hour		20	
117	Liquid Penetrant Testing (PT)	Hour		20	
118	Visual Inspection	Hour		20	
	MISCELLANEOUS - OTHER				
119	Specifically directed stand-by time or specifically directed field testing and other field activities such as attending field meetings, (Unit-cost of each test item shall not include any travel or non-directed stand-by time.)	Hour		120	
120	Travel time to/from the Lab to the project site including the mileage charge for routine pick-up truck costs (Unit-cost of each test item shall not include any travel or stand-by time.)	Hour		120	
			Total Evaluated Price for Utah Region		**$**