



Leighton Consulting, Inc.
A LEIGHTON GROUP COMPANY

March 23, 2020

Proposal No. TE20-043

Perris Union High School District
155 E 4th Street
Perris, California 92570

Attention: Mr. Hector Gonzalez, Director of Facilities

**Subject: Proposal for Geotechnical/Materials Testing Services
Proposed Perris High School Completion Phase, Increment 1
175 East Nuevo Road, Perris, California
DSA 04-118639-01**

In accordance with your request, we are pleased to present this proposal to provide geotechnical/materials testing services during construction. Please note that a construction schedule was not available for us during preparation of this proposal.

PROJECT DESCRIPTION

Our understanding of this project is primarily based on our review of project plans and specifications prepared by PJHM Architects (2020), review of provided DSA-103 form, project schedule/telecommunications with Miller Construction, and our soils report dated August 31, 2018. Based on our review, we understand that this project will generally include the demolition of some of the buildings in the north end of the school and the alteration or relocation of underground utilities.

PROPOSED SCOPE OF WORK

Our proposed scope of work will consist of geotechnical and materials testing in general accordance with Chapter 17A of the 2016 California Building Code (CBC), Title 24, Part I, and project documents. Our scope of services during construction is conceptually divided into the following tasks:

- **Geotechnical Observation/Testing and DSA Reports:** We will perform part-time and/or as-needed geotechnical observation and testing during trench backfill associated with water, sewer, storm drain, gas and electrical trenches construction and subgrade preparation associated with proposed flatwork.

- **Cast-In Place Reinforced Concrete:** if needed, we will provide a concrete technician on-site to sample fresh concrete and perform slump tests (ASTM C 143) and air content tests (ASTM C 173 or C 231) when requested by your designated field representative (or PI). A set of 5 test specimens (cylinders) per 50 cubic yards (or portion thereof in a single day) placed per mix-design will be molded in accordance with ASTM C 31 for compressive strength testing. We have assumed that reinforcing steel and concrete placement will be inspected by the PI and all concrete will be placed in two pours.
- **QA/QC Project Management and DSA Reports:** This scope of work will consist of reviewing inspection reports and laboratory test results for construction materials inspected and tested by our firm for use on this project. Daily inspection and laboratory testing reports will be reviewed and prepared for distribution. Inspection concerns encountered in the field and noted in the daily reports, and any material tested and found to be outside project specifications, will be brought to the attention of the inspector of record. Supervision QA/QC and project management will be provided by our Materials Inspection Manager, as needed. DSA closeout documents (interim and final) will be provided, as needed.

S I T E S A F E T Y

Site safety is the responsibility of the contractor. Therefore, we will notify the contractor's site representative, and your Project Inspector if/as directed by you for this project, whenever we are on site. You will also need to assign someone to sign our Daily Field Reports (DFRs) whenever our technicians and/or inspectors are onsite. This should be established at or before our pre-construction meeting.

S C H E D U L E

We are prepared to begin our work immediately upon receipt of your signed authorization to proceed. Scheduling of our technicians and inspectors should be done in accordance with the requirements of the Project Manual; however, we would like two working days advance notice when scheduling our field personnel at the commencement of construction; work thereafter may be scheduled with one working day (minimum 24-hour) notice. Calls to our dispatch after 3:00 pm (prior work day) or on weekends and holidays are not addressed until the first following working day, without prior arrangement. We anticipate our personnel will be on site periodically for both fulltime and/or part-time observation and testing, as requested by your field representative. We will work with your field representative to reduce standby time or unnecessary trips to the site. We anticipate that a construction management (CM) representative or PI will be onsite to (1) schedule our personnel, (2) supervise various contractors' activities and (3) respond to deficiencies in materials if necessary.

F E E S A N D T E R M S

Time and Expense Fee Schedule

The actual amount of time, and our associated fees, will be dependent on weather, exposed subsurface conditions, requests of the District and/or PI and the contractor's schedule, sequencing, pace and efficiency. We understand that the District will approve all changes prior to cost adjustments. Our services will be billed in accordance with *our attached Professional Fee Schedule*. This is PREVAILING WAGE, field services hourly rates may change commensurate with prevailing wage rate changes mandated by the California Department of Industrial Relations (DIR).

Budget Estimate and Assumptions

Our budget is based on normal daylight workday shifts of 8 hours per day, 40 hours per week, Monday through Friday except holidays. Overtime is not included in our budget. Overtime work (over 8 hours per day, weekends or holidays). Our estimate does not include costs for response to project RFI's, geotechnical consultation; additional field hours requested beyond those stated herein, third-party review or respond to comments of any regulatory agency. Also excluded from our budget estimate are:

- Site concrete inspection and testing (i.e. 2,500 psi or less),
- Costs of tests or inspections due to the following:
 1. Retesting because of failure of initial samples,
 2. Additional costs due to overtime work or extra work because of improper scheduling of technicians and/or inspectors, or of delivery of structural materials by the contractor without DSA required plant inspection documentation and/or mill certifications,
 3. Failure to notify our laboratory or dispatch (866-LEIGHTON) in a timely manner as required by the project manual,
 4. Retests resulting from changes in sources, lots or suppliers of materials after original tests are completed,
 5. Changes in methods or materials of construction that require testing, inspection and/or other related services in excess of that required by the original design, and/or
 6. Concrete mix design reviews and letters in excess of one mix design.

A detailed breakdown of the estimated fee is included in Table 1 attached. We assume that a Purchase Order will be issued to us before we invoice, which will reference the terms and conditions of our mutually agreed to agreement, and document your authorization for

this scope, schedule and fee. Any changes in these terms and conditions may require a change in the scope of services or fees or both. We recommend that our budget estimate provided below is updated once a construction schedule becomes available.

CLOSURE

We appreciate the opportunity to be of continued service on this project. If you have any questions or information that would update our scope of work, please call us at 1-866-LEIGHTON or the contact information provided below.

Respectfully submitted,

LEIGHTON CONSULTING, INC.



Simon I. Saïid, PE, GE
Principal Engineer
Extension 8013, ssaïid@leightongroup.com



Robert F. Riha, PG, CEG
Sr. Principal Geologist
Extension 8914, rriha@leightongroup.com

Enclosures: Table 1 – Breakdown of Estimated Fee
Scope of Work Agreement
Amended 2019 Fee Schedule

Distribution: (1) Addressee via electronic mail

Leighton Consulting, Inc.

Table 1 Estimated Fees

PHS Completion Phase - Incr 1 (DSA 04-118639-01)

Geotechnical Observation and Testing

Proposal # TE20-043

TASK DESCRIPTION	RATE	UNITS	COST	
Pre-Construction Meeting/Project Review				
Associate	\$203.00 / hour	1	\$203.00	
Staff Engineer	\$135.00 / hour	3	\$405.00	
Project Administrator/Word Processor	\$72.00 / hour	2	\$144.00	
Field Supervisor	\$132.00 / hour	1	\$132.00	
		SUBTOTAL	\$884.00	
Field Observation and Sampling				
Field Soils/Material Tester (Prevailing Wage)	Utility Trench Backfill (24 days PT - 4 to 6 hrs/days)	\$117.00 / hour	120	\$14,040.00
Field Soils/Material Tester (Prevailing Wage)	Subgrade (4 days @ 4 hrs/day)	\$117.00 / hour	16	\$1,872.00
Field Soils/Material Tester (Prevailing Wage)	Concrete Samplings (2 pours)	\$117.00 / hour	12	\$1,404.00
Field Supervisor		\$132.00 / hour	8	\$1,056.00
Vehicle Usage		\$13.00 / hour	156	\$2,028.00
		SUBTOTAL	\$20,400.00	
Laboratory Testing				
Particle size - Sieve only 1½ inch to #200, (ASTM D6913/CTM 202)		\$135.00 / each	2	\$270.00
Sand Equivalent (SE, ASTM D2419/CTM 217)		\$105.00 / each	2	\$210.00
Modified Proctor compaction 4 inch mold (Methods A & B ASTM D1557)		\$220.00 / each	3	\$660.00
Corrosion suite: minimum resistivity, sulfate, chloride, pH (CTM 643)		\$265.00 / each	1	\$265.00
Expansion Index (EI, ASTM D4829)		\$130.00 / each	1	\$130.00
Concrete cylinders compression (ASTM C39 4" x 8")		\$22.00 / each	10	\$220.00
Pick-up & delivery – (weekdays, per trip, <50 miles from Leighton office)		\$90.00 / each	2	\$180.00
		SUBTOTAL	\$1,935.00	
Report/DSA Forms				
Associate	PM/QC	\$203.00 / hour	6	\$1,218.00
Senior Staff Engineer	DSA Forms/Submittals	\$149.00 / hour	8	\$1,192.00
Operations Manager	Mix Review	\$162.00 / hour	2	\$324.00
Project Administrator/Word Processor	Dispatch/Reports	\$72.00 / hour	5	\$360.00
		SUBTOTAL	\$3,094.00	
TOTAL ESTIMATED COST			\$26,313.00	

SCOPE OF WORK AGREEMENT

This Scope of Work, effective March 23, 2020, is, upon execution of the Parties, incorporated as Scope of Work Number ___ under Master Services Agreement No. C72380M by and between Leighton Consulting, Inc. and Perris Union High School District ("CLIENT").

PROJECT LOCATION: Proposed Perris High School Completion Phase , Increment 1, 175 East Nuevo Road, Perris, California DSA 04-118639-01

DESCRIPTION OF SERVICES: Proposal for Geotechnical, Materials Testing and Special Inspection, see attached proposal.

LEIGHTON CONSULTING:

41715 Enterprise Circle N, Suite 103
Temecula, California 92560
Telephone: 951.296.0530
Facsimile: 951.296.0534
Prime Contact: **Mr. Simon Saïd**

CLIENT

PERRIS UNION HIGH SCHOOL DISTRICT

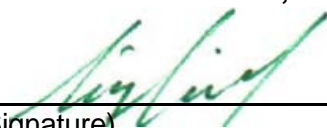
155 E 4th Street
Perris, California 92570
Telephone: 951.232.9207
email: hector.gonzalez@puhsd.org
Prime Contact: **Mr. Hector Gonzalez**

FEE: The Services shall be undertaken on a time and expense basis in the amount of Twenty-Eight Thousand Five Hundred Seventy-seven Dollars (\$28,577.00), payable upon receipt of invoice.

I have reviewed and agree to this scope of work.

LEIGHTON CONSULTING, INC.

By (Signature)



Simon I. Saïd
(Print Name)

3/23/2020

Date

PERRIS UNION HIGH SCHOOL DISTRICT
client

By (Signature)

(Print Name)

Date

CLIENT ACKNOWLEDGES THAT THEY HAVE READ AND UNDERSTANDS THE DOCUMENT ENTITLED "INFORMATION FOR CLIENTS REGARDING LEIGHTON CONSULTING'S SERVICES"





Leighton

2019 PROFESSIONAL FEE SCHEDULE

CLASSIFICATION	\$/HR	CLASSIFICATION	\$/HR
Technician I	78	Project Administrator/Word Processor/Dispatcher	72
Technician II / Special Inspector	89	Information Specialist	99
Senior Technician / Senior Special Inspector	99	CAD Operator	113
Prevailing Wage (field soils / materials tester) *	117	GIS Specialist	126
Prevailing Wage (Special Inspector) *	134	GIS Analyst	149
Prevailing Wage (Source Inspector, NDT and soil remediation O&M)*	139	Staff Engineer / Geologist / Scientist	135
System Operation & Maintenance (O&M) Specialist	129	Senior Staff Engineer / Geologist / Scientist / ASMR	149
Non Destructive Testing (NDT)	139	Operations / Laboratory Manager	162
Deputy Inspector	99	Project Engineer / Geologist / Scientist	167
Field / Laboratory Supervisor	132	Senior Project Engineer / Geologist / Scientist / SMR	185
Source Inspector	122	Associate	203
City of Los Angeles Deputy Building (including Grading) Inspector	140	Principal	221
		Senior Principal	266

* See Prevailing Wages in Terms and Conditions

GEOTECHNICAL LABORATORY TESTING

METHOD	\$/TEST	METHOD	\$/TEST
CLASSIFICATION & INDEX PROPERTIES		California Bearing Ratio (CBR, ASTM D1883) – 3 point	
Photograph of sample	10	- 3 point	500
Moisture content (ASTM D2216)	20	- 1 point	185
Moisture & density (ASTM D2937) ring samples	30	R-Value (AASHTO T190/ASTM D2844/CTM 301) untreated	310
Moisture & density (ASTM D2937) Shelby tube or cutting	40	soils/aggregates	
Atterberg limits (ASTM D4318) 3 points:	150	R-Value (AASHTO T190/ASTM D2844/CTM 301) lime or cement	340
- Single point, non-plastic	85	treated soils/aggregates	
- Atterberg limits (organic ASTM D2487 / D4318)	180	SOIL CHEMISTRY & CORROSION	
- Visual classification as non-plastic (ASTM D2488)	10	pH Method A (ASTM D4972 or CTM 643)	45
Particle size:		Electrical resistivity – single point – as received moisture	45
- Sieve only 1½ inch to #200 (AASHTO T27/ASTM C136/ASTM D6913/CTM 202)	135	Minimum resistivity 3 moisture content points (ASTM G187/CTM 643)	90
- Large sieve 6 inch to #200 (AASHTO T27/ASTM C136/ASTM D6913/CTM 202)	175	pH + minimum resistivity (CTM 643)	130
- Hydrometer only (ASTM D7928)	110	Sulfate content - gravimetric (CTM 417 B Part 2)	70
- Sieve + hydrometer (≤3 inch sieve, ASTM 7928)	185	Sulfate content - by ion chromatograph (CTM 417 Part 2)	80
- Percent passing #200 sieve, wash only (ASTM D1140)	70	Sulfate screen (Hach®)	30
Specific gravity and absorption of fine aggregate (AASHTO T84/ASTM C128/ASTM D854/CTM 207)	125	Chloride content (AASHTO T291/CTM 422)	70
Specific gravity and absorption of coarse aggregate (AASHTO T85/ASTM C127/CTM 206)	100	Chloride content – by ion chromatograph (AASHTO T291/CTM 422)	80
- Total porosity - on Shelby tube sample (calculated)	165	Corrosion suite: minimum resistivity, sulfate, chloride, pH (CTM 643)	265
- Total porosity - on other sample (calculated)	155	Organic matter content (ASTM D2974)	65
Shrinkage limits (wax method, ASTM D4943)	126	SHEAR STRENGTH	
Pinhole dispersion (ASTM D4647)	210	Pocket penetrometer	15
Dispersive characteristics (double hydrometer ASTM D4221)	90	Direct shear (ASTM D3080, mod., 3 points):	
As-received moisture & density (chunk/carved samples)	60	Consolidated undrained - 0.05 inch/min (CU)	285
Sand Equivalent (SE, AASHTO T176/ASTM D2419/CTM 217)	105	Consolidated drained - <0.05 inch/min (CD)	345
COMPACTION & PAVEMENT SUBGRADE TESTS		Residual shear EM 1110-2-1906-IXA (price per each additional pass after shear)	50
Standard Proctor compaction, (ASTM D698) 4 points:		Remolding or hand trimming of specimens (3 points)	90
- 4 inch diameter mold (Methods A & B)	160	Oriented or block hand trimming (per hour)	65
- 6 inch diameter mold (Method C)	215	Single point shear	105
Modified Proctor compaction (ASTM D1557) 4 points:		Torsional shear (ASTM D6467 / ASTM D7608)	820
- 4 inch diameter mold (Methods A & B)	220	CONSOLIDATION & EXPANSION/SWELL TESTS	
- 6 inch diameter mold (Method C)	245	Consolidation (ASTM D2435):	195
Check point (per point)	65	Each additional time curve	45
Relative compaction of untreated/treated soils/aggregates (CTM 216)	250	Each additional load/unload w/o time reading	40
Relative density (0.1 ft mold, ASTM D4253, D4254)	235	Expansion Index (EI, ASTM D4829)	130
		Swell/collapse – Method A (ASTM D4546-A, up to 10 load/unloads w/o time curves)	290
		Single load swell/collapse - Method B (ASTM D4546-B, seat, load & inundate only)	105

METHOD	\$/TEST	METHOD	\$/TEST
TRIAXIAL TESTS		HYDRAULIC CONDUCTIVITY TESTS	
Unconfined compression strength of cohesive soil (with stress/strain plot, ASTM D2166)	135	Triaxial permeability in flexible-wall permeameter with backpressure saturation at one effective stress (EPA 9100/ASTM D5084, falling head Method C):	310
Unconsolidated undrained triaxial compression test on cohesive soils (UU, ASTM D2850, USACE Q test, per confining stress)	170	- Each additional effective stress	120
Consolidated undrained triaxial compression test for cohesive soils, (CU, ASTM D4767, USACE R-bar test) with back pressure saturation & pore water pressure measurement (per confining stress)	375	- Hand trimming of soil samples for horizontal K	60
Consolidated drained triaxial compression test (CD, USACE S test), with volume change measurement. Price per soil type below EM 1110-2-1906(X):		Remolding of test specimens	65
- Sand or silty sand soils (per confining stress)	375	Permeability of granular soils (ASTM D2434)	135
- Silt or clayey sand soils (per confining stress)	500	Soil suction (filter paper method, ASTM D5298)	400
- Clay soils (per confining stress)	705		
- Three-stage triaxial (sand or silty sand soils)	655		
- Three-stage triaxial (silt or clayey sand soils)	875		
- Three-stage triaxial (clay soils)	1,235		
Remolding of test specimens	65		

CONSTRUCTION MATERIALS LABORATORY TESTING

METHOD	\$/TEST	METHOD	\$/TEST
CONCRETE STRENGTH CHARACTERISTICS		AGGREGATE PROPERTIES	
Concrete cylinders compression (ASTM C39) (6" x 12")	25	Bulk density and voids in aggregates (AASHTO T19/ASTM C29/CTM 212)	50
Concrete cylinders compression (ASTM C39) (4" x 8")	22	Organic impurities in fine aggregate sand (AASHTO T21/ASTM C40/CTM 213)	60
Compression, concrete or masonry cores (testing only) ≤6 inch (ASTM C42)	40	LA Rattler-smaller coarse aggregate <1.5" (AASHTO T96/ASTM C131/CTM 211)	200
Trimming concrete cores (per core)	20	LA Rattler-larger coarse aggregate 1-3" (AASHTO T96/ASTM C535/CTM 211)	250
Flexural strength of concrete (simple beam-3rd pt. loading, ASTM C78/CTM 523)	85	Apparent specific gravity of fine aggregate (AASHTO T84/ASTM C128/CTM 208)	130
Flexural strength of concrete (simple beam-center pt. loading, ASTM C293/CTM 523)	85	Clay lumps, friable particles (AASHTO T112/ASTM C142)	175
Non shrink grout cubes (2 inch, ASTM C109/C1107)	25	Durability Index (AASHTO T210/ASTM D3744/CTM 229)	200
Drying shrinkage - four readings, up to 90 days, 3 bars (ASTM C157)	400	Moisture content of aggregates by oven drying (AASHTO T255/ASTM C566/CTM 226)	40
Length of concrete cores (CTM 531)	40	Uncompacted void content of fine aggregate (AASHTO T304/ASTM C1252/CTM 234)	130
HOT MIX ASPHALT (HMA)		Percent of crushed particles (AASHTO T335/ASTM D5821/CTM 205)	135
Resistance of compacted HMA to moisture-induced damage (AASHTO T283/CTM 371)	2,100	Flat & elongated particles in coarse aggregate (ASTM D4791/CTM 235)	215
Hamburg Wheel, 4 briquettes (modified) (AASHTO T324)	900	Cleanness value of coarse aggregate (CTM 227)	210
Superpave gyratory compaction (AASHTO T312/ASTM D6925)	350	Soundness, magnesium (AASHTO T104/ASTM C88/CTM 214)	225
Extraction by ignition oven, percent asphalt (AASHTO T308/ASTM D6307/CTM 382)	150	Soundness, sodium (AASHTO T104/ASTM C88/CTM 214)	650
Ignition oven correction/correlation values (AASHTO T308/ASTM D6307/CTM 382)	1,350		
Extraction by centrifuge, percent asphalt (ASTM D2172)	150	MASONRY	
Gradation of extracted aggregate (AASHTO T30/ASTM D5444/CTM 202)	135	Mortar cylinders (2" by 4", ASTM C780)	25
Stabilometer, S-Value (ASTM D1560/CTM 366)	265	Grout prisms (3" by 6", ASTM C1019)	25
Bituminous mixture preparation (AASHTO R30/CTM 304)	80	Masonry cores compression, ≤6" diameter (testing only, ASTM C42)	40
Moisture content of HMA (AASHTO T329/ASTM D6037/CTM 370)	60	Masonry core-shear, Title 24 (test only)	80
Bulk specific gravity of compacted HMA, molded specimen or cores, uncoated (AASHTO T166/ASTM D2726/CTM 308)	50	Veneer bond strength, cost for each (5 required, ASTM C482)	55
Bulk specific gravity of compacted HMA, molded specimen or cores, paraffin-coated (AASHTO T275/ASTM D1188/CTM 308)	55	CMU compression to size 8" x 8" x 16" (3 required, ASTM C140)	45
Maximum density - Hveem (CTM 308)	200	CMU moisture content, absorption & unit weight (6 required, ASTM C140)	40
Theoretical maximum density and specific gravity of HMA (AASHTO T209/ASTM D2041/CTM 309)	130	CMU linear drying shrinkage (ASTM C426)	175
Thickness or height of compacted bituminous paving mixture specimens (ASTM D3549)	40	CMU grouted prisms (compression test ≤8" x 8" x 16", ASTM C1314)	180
Wet track abrasion of slurry seal (ASTM D3910)	150	CMU grouted prisms (compression test > 8" x 8" x 16", ASTM C1314)	250
Rubberized asphalt (add to above rates)	+ 25%	BRICK	
		Compression (cost for each, 5 required, ASTM C67)	40

METHOD	\$/TEST	METHOD	\$/TEST
REINFORCING STEEL		SPRAY APPLIED FIREPROOFING	
Rebar tensile test up to ≤ No. 10 bars (ASTM A370)	45	Unit weight (density, ASTM E605)	60
Rebar tensile test > No. 10 bars ≤ No. 17 (ASTM A370)	100	BEARING PADS/PLATES AND JOINT SEAL	
Rebar bend test, up to ≤ No. 10 bars (ASTM A370)	45	Elastomeric bearing pads (Caltrans SS 51-3)	990
Rebar bend test > No. 10 bars ≤ No. 17 (ASTM A370)	150	Elastomeric bearing pad with hardness and compression tests (Caltrans SS 51-3)	1230
Epoxy coated rebar/dowel film thickness (coating) test (ASTM A775)	45	Type A Joint Seals (Caltrans SS 51-2)	1620
Epoxy coated rebar/dowel continuity (Holiday) test (ASTM A775)	65	Type B Joint Seals (Caltrans SS 51-2)	1530
Epoxy coated rebar flexibility/bend test, up to No. 11 (ASTM A775)	55	Bearing plates (A536)	720
Tensile strength, ≤100,000 pounds axial load (ASTM A370)	45	STREET LIGHTS/SIGNALS	
Prestressing wire, tension (ASTM A416)	150	100W HPS Lighting (Caltrans RSS 86)	1296
Sample preparation (cutting)	50	SAMPLE TRANSPORT	
Resistance butt-welded hoops/bars, up to No. 10 (CTM 670)	180	Pick-up & delivery (weekdays, per trip, <50 mile radius from Leighton office)	90
Post-tensioned bars (ASTM A772)	420		

EQUIPMENT, SUPPLIES & MATERIALS

	\$/UNIT		\$/UNIT
1/4 inch Grab plates	5 each	Mileage (IRS Allowable)	0.58 mile
1/4 inch Tubing (bonded)	0.55 foot	Moisture test kit (excludes labor to perform test, ASTM E1907)	60 test
1/4 inch Tubing (single)	0.35 foot	Nuclear moisture and density gauge	88 day
3/8 inch Tubing, clear vinyl	0.55 foot	Pachometer	25 day
4-Gas meter (RKI Eagle or similar)/GEM 2000	130 day	Particulate Monitor	125 day
Air flow meter and purge pump (200 cc/min)	50 day	pH/Conductivity/Temperature meter	55 day
Box of 24 soil drive-sample rings	120 box	Photo-Ionization Detector (PID)	120 day
Brass sample tubes	10 each	Pump, Typhoon 2 or 4 stage	50 day
Caution tape (1000-foot roll)	20 each	QED bladder pump w/QED control box	160 day
Combination lock or padlock	11 each	Quire fee – Phase I only	200 each
Compressed air tank and regulator	50 day	Resistivity field meter & pins	50 day
Concrete coring machine (≤6-inch-dia)	150 day	Slip / threaded cap, 2-inch or 4-inch diameter, PVC Schedule 40	15 each
Consumables (gloves, rope, soap, tape, etc.)	35 day	Slope inclinometer	200 day
Core sample boxes	11 each	Soil sampling T-handle (Encore)	10 day
Crack monitor	25 each	Soil sampling tripod	35 day
Cutoff saws, reciprocating, electric (Sawzall®)	75 day	Stainless steel bailer	40 day
Disposable bailers	12 each	Submersible pump, 10 gpm, high powered Grundfos 2-inch with controller	160 day
Disposable bladders	10 each	Submersible pump/transfer pump, 10-25 gpm	50 day
Dissolved oxygen meter	45 day	Support service truck usage (well installation, etc.)	200 day
DOT 55-gallon containment drum with lid	65 drum	Survey/fence stakes	8 each
Double-ring infiltrometer	125 day	Tedlar® bags	18 each
Dual-stage interface probe	80 day	Traffic cones (≤25)/barricades (single lane)	50 day
Dynamic Cone Penetrometer	400 day	Turbidity meter	70 day
Generator, portable gasoline fueled, 3,500 watts	90 day	Tyvek® suit (each)	18 each
Global Positioning System/Laser Range Finder	80 day	Vapor sampling box	55 day
Hand auger set	90 day	Vehicle usage (carrying equipment)	13 hour
HDPE safety fence (≤100 feet)	40 roll	VelociCalc	35 day
Horiba U-51 water quality meter	135 day	Visqueen (20 x 100 feet)	100 roll
Light tower (towable vertical mast)	150 day	Water level indicator (electronic well sounder) <300 feet deep well	60 day
Magnehelic gauge	15 day	ZIPLEVEL®	15 day
Manometer	25 day		

Other specialized geotechnical and environmental testing & monitoring equipment are available, and priced per site

TERMS & CONDITIONS

- **Expiration:** This fee schedule is effective through December 31, 2019 after which remaining work will be billed at then-current rates.
- **Proposal Expiration:** Proposals are valid for at least 30 days, subject to change after 30 days; unless otherwise stated in the attached proposal.
- **Prevailing Wages:** Our fees for prevailing wage work are based upon California prevailing wage laws and wage determinations. Unless specifically indicated in our proposal, costs for apprentice are not included. If we are required to have an apprentice on your project, you will be notified and additional fees will be charged.
- **Overtime:** Standard overtime rate is per California Labor Law and is billed at 1.5 or 2 times their hourly billing rate. Overtime rate for non-exempt field personnel working on a Leighton observed holiday is billed at 2 times their hourly billing rate. Overtime rate for Prevailing wage work is per the California Department of Industrial Relations (DIR) determination and is multiplied at 1.5 to 2 times their hourly billing rate.
- **Expert Witness Time:** Expert witness deposition and testimony will be charged at 2 times hourly rates listed on the previous pages, with a minimum charge of four hours per day.
- **Minimum Field Hourly Charges:** For Field Technicians, Special Inspectors or any on-site (field) materials testing services:
 - 4 hours: 4-hour minimum charge up to the first four hours of work
 - 8 hours: 8-hour minimum charge for over four hours of work, up to eight hours.
 Project time accrued includes portal to portal travel time.
- **Outside Direct Costs:** Heavy equipment, subcontractor fees and expenses, project-specific permits and/or licenses, project-specific supplemental insurance, travel, subsistence, project-specific parking charges, shipping, reproduction, and other reimbursable expenses will be invoiced at cost plus 18%, unless billed directly to and paid by client.
- **Insurance & Limitation of Liability:** These rates are predicated on standard insurance coverage and a limit of Leighton's liability equal to our total fees for a given project.
- **Invoicing:** Invoices are rendered monthly, payable upon receipt in United States dollars. A service charge of 1½-percent per month will be charged for late payment.
- **Client Disclosures:** Client agrees to provide all information in Client's possession about actual or possible presence of buried utilities and hazardous materials on the project site, prior to fieldwork, and agrees to reimburse Leighton for all costs related to unanticipated discovery of utilities and/or hazardous materials. Client is also responsible for providing safe and legal access to the project site for all Leighton field personnel.
- **Earth Material Samples:** Quoted testing unit rates are for soil and/or rock (earth) samples free of hazardous materials. Additional costs will accrue beyond these standard testing unit rates for handling, testing and/or disposing of soil and/or rock containing hazardous materials. Hazardous materials will be returned to the site or the site owner's designated representative at additional cost not included in listed unit rates. Standard turn-around time for geotechnical-laboratory test results is 10 working days. Samples will be stored for 2 months, after which they will be discarded. Prior documented notification is required if samples need to be stored for a longer time. A monthly storage fee of \$10 per bag and \$5 per sleeve or tube will be applied. Quoted unit rates are only for earth materials sampled in the United States. There may be additional cost for handling imported samples.
- **Construction Material Samples:** After all designated 28-day breaks for a given sample set meet specified compressive or other client-designated strength, all "hold" cylinders or specimens will be automatically disposed of, unless specified in writing prior to the 28-day break. All other construction materials will be disposed of after completion of testing and reporting