

January 13, 2023

Proposal No. TE22-056

Perris Union High School District  
155 E 4<sup>th</sup> Street  
Perris, California 92570

Attention: Mr. Chad Goodwin

**Subject: Proposal for Geotechnical/Materials Testing and Special Inspection  
Proposed Perris High School 33M Pool Facility - DSA 04-119490  
175 E Nuevo Rd, Perris, California**

In accordance with your request, we are pleased to present this proposal to provide geotechnical/materials testing and special inspection services for the remaining construction of the proposed pool facility Project. We understand that NV5 is currently the Laboratory of Record (LOR) on this project and District is desiring to replace NV5 with Leighton to complete the remainder of required services.

## **PROJECT DESCRIPTION / STATUS**

Our understanding of the project current construction status is based primarily on our review of an updated project schedule by Miller Construction received on 1/11/2023 and communications with DSA Project Inspector, Mr. Steven Potter. In addition, we visited the project site on 1/12/2023 and reviewed current plans and specifications prepared by PJHM Architects (DSA approved 03/02/21) and DSA-103 form. Based on this review, we estimate about 30 to 35 percent completion of required services, and the overall project status can be summarized as follows:

### ***Geotechnical/Soils Testing:***

#### ***1- Completed Work***

- Required Over-Excavations for the pool building, surge pit, shade canopy footings and CMU retaining walls has been completed.
- The pool has been dug, inspected/tested, and approved.
- The majority of the site utilities have been installed, inspected/tested, and approved.

#### ***2- Remaining Work***

- The remaining geotechnical scope generally include inspection of the Caisson Footings for the Scoreboard and Marquee Sign.

- Retaining wall backfill at pool deck and deck subgrade testing.
- Site work concrete stairs and ramp, and fencing footing excavation and observations
- Miscellaneous underground utilities and site work/flatwork subgrade testing.

### ***Materials Testing / Special Inspection***

#### ***1- Completed Work***

- **Pool:** It appears that the majority of the rebar for the pool have been installed, inspected/tested, and approved.
- **Pool Building:** The rebar, SOG Concrete (Pending 28-day Concrete Tests), Structural Steel, HS Bolts, Anchor Bolts, and the first lift of CMU wall have been installed, inspected/tested, and approved.
- **Shade Structure:** Structural Steel, HS Bolts or Anchor Bolts, foundation Concrete (Pending 28-day Concrete Tests), have been installed, inspected/tested, and approved.

#### ***2- Remaining Work***

- **Pool:** Testing and inspection of concrete / shotcrete associated with pool shell / walls, pool gutters, cantilevered deck, pilasters, gates and flatwork.
- **Pool Building:** Continued CMU wall construction, structural steel welding, and metal decking.
- **Retaining Walls at Pool Deck:** Testing and inspection of rebar and concrete.
- **Shade Structure:** Foundation Concrete (Pending 28-day Concrete Tests) to be confirmed.
- **Site Work:** Testing and inspection of rebar and concrete for stairs and ramp, site fencing, curb and gutter, and sidewalk / flatwork.

## **PROPOSED SCOPE OF WORK**

Based on the above, the main disciplines or tasks expected on this project are summarized below:

- **Geotechnical Observation and Report:** We will perform part-time/as-needed geotechnical observation and testing and provide final DSA 293 for work performed. NV5 is to provide Interim/Final DSA 293 for work already completed.
- **Tag and Sample (Off-Site):** If not yet completed, we will pick up representative reinforcing steel samples and CMU blocks and “tag” source materials for site delivery identification.
- **Fresh Concrete Sampling and Testing (On-Site):** We will provide a technician that has been certified by the American Concrete Institute (ACI) as a technician for

sampling concrete. Our field technicians will sample fresh concrete, perform slump tests (ASTM C 143) and (if requested) air content tests (ASTM C 173 or C 231) when requested by the DSA project inspector. Air content tests will only be performed if specifically requested. We will also provide an ACI technician during concrete batch plant operations, as required.

- **Post-Installed Anchors/Epoxy Dowels (On-Site):** We will provide a special inspector to observe installation of post-installed epoxy and screw/expansion (mechanical) concrete and masonry anchors. Our special inspector will view installation of these anchors in accordance with ICC-ES Evaluation Report, specific to anchors used. We will also provide pull, torque and/or proof testing, as necessary, of installed concrete anchors
- **Welding Inspection:** Our services will consist of inspection of welding procedures and welds for conformance to approved plans, specifications, and building codes. This inspection is generally performed on a continuous basis during structural welding. The inspector may use gamma ray, sonic or any other aid for visual inspection that he may deem necessary to assure the adequacy of the welding.
- **Structural Steel High Strength Bolting (On-Site):** We will provide an American Welding Society (AWS) Certified Welding Inspector (CWI) with ICC structural steel and bolting to verify high-strength bolting connection of beam to beam/column (including Skidmore-Wilhelm bolt tension verification testing).
- **Masonry Inspection:** The work for our DSA certified special inspectors for structural masonry will consist of inspection of placement of all reinforcing steel and masonry units during the construction of the structures for compliance of the approved plans and job specifications. Their work will also include material testing of mortar and grout.

Reports of tests presenting applicable information will be prepared at the completion of laboratory testing, and electronic copies (PDFs) e-mailed. Our professional and clerical support services will also include the following:

- **Project Management/QC:** A California licensed Civil Engineer (PE) will review all DFRs and laboratory test results, and staff will prepare reports for distribution. Materials concerns encountered in the field and noted in DFRs, and any material tested and found to not conform to project specifications, will be brought to the attention of the District's designated representative and your DSA designated Project Inspector. Supervision, quality and project management will be provided by our Civil Engineer (PE) as Laboratory of Record (LOR).
- **Project Closeout:** We will prepare DSA-291 (Laboratory of Record Verified Report) and DSA-293 (Geotechnical Verified Report) forms as the inspection card requires (interims) and when the project is completed (final), which will be required by DSA to properly closeout this project. These forms will also be uploaded to the DSA "Box".

## **SITE SAFETY**

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. This should be established at the pre-construction meeting.

## **SCHEDULE**

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.

## **FEES AND TERMS**

### **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 estimated based on our understanding of current work progress and the results of previous testing is submitted and approved. Our budget is also 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, additional field hours requested beyond those stated herein, or respond to comments of any regulatory agency. Also excluded from our budget estimate are:

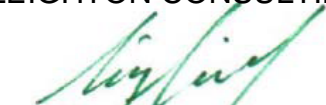
- Site concrete inspection and testing (i.e. 2,500 psi or less),
- Shop welding inspection at a shop located more than 1.5 hour from site, and/or
- Costs of tests or inspections due to the following:
  1. Retesting because of failure of initial samples and required due to absence of test results by NV5,
  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. Retests resulting from changes in sources, lots or suppliers of materials after original tests are completed,
  4. 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,
  5. Concrete mix design reviews and letters in excess of 1 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. Our estimated fee for the proposed / anticipated services is **\$130,752**.

## **CLOSURE**

We appreciate the opportunity to be of continued service. 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. Saiid, PE, GE  
Senior Principal Engineer  
Extension 8013, [ssaiid@leightongroup.com](mailto:ssaiid@leightongroup.com)

Enclosures: Table 1 – Breakdown of Estimated Fee  
Scope of Work Agreement  
Distribution: (1) Addressee via electronic mail

## SCOPE OF WORK AGREEMENT

This Scope of Work, effective January 13, 2023, 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 33M Pool Facility, Marquee, Bridge Crane, 75 E Nuevo Rd, Perris, California, DSA 04-119490

**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  
Cell Phone: 909.684.6462  
Prime Contact: **Mr. Simon Saiid**

**CLIENT**

**PERRIS UNION HIGH SCHOOL DISTRICT**

155 E 4th Street  
Perris, California 92570  
Telephone: 951.943.6369, ext. 80275  
email: Chad.goodwin@puhsd.org  
Prime Contact: **Mr. Chad Goodwin**

**FEE:** The Services shall be undertaken on a time and expense basis in the amount of **\$130,752** as further described in attached Table 1.

I have reviewed and agree to this scope of work.

**LEIGHTON CONSULTING, INC.**



\_\_\_\_\_  
By (Signature)

Simon I. Saiid  
\_\_\_\_\_  
(Print Name)

01/13/2022  
\_\_\_\_\_  
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”**

Table 1 - Breakdown of Estimated Fees

PHUSD Perris High School Pool Facility (04-119490)

Special Inspections and Materials Testing Services during Construction

Proposal # TE22-055b

TASK DESCRIPTION		RATE	UNITS	COST
<b>Non-Prevailing Wage Special Inspections (Shop / Plant Inspections)</b>				
Senior Special Inspector	Concrete Batch Plant Inspection & Precast Concrete	\$110.00 / hour	60	\$6,600.00
Special Inspector	Tag & Sample - Rebar	\$94.00 / hour	16	\$1,504.00
Senior Special Inspector	Tag & Sample - CMU Blocks	\$110.00 / hour	16	\$1,760.00
Senior Special Inspector	Welding (Shop) Inspection	\$110.00 / hour	40	\$4,400.00
Non Destructive Testing (NDT)	NDT (Shop)	\$136.00 / hour	16	\$2,176.00
<b>SUBTOTAL</b>				<b>\$16,440.00</b>
<b>Prevailing Wage (Special Inspection / Concrete / Soils)</b>				
Field Soils/Material Tester (Prevailing Wage)	Concrete Sampling and Testing	\$130.00 / hour	60	\$7,800.00
Field Soils/Material Tester (Prevailing Wage)	Post-Installed Anchor	\$130.00 / hour	40	\$5,200.00
Special Inspector (Prevailing Wage)	Masonry	\$136.00 / hour	160	\$21,760.00
Special Inspector (Prevailing Wage)	Shotcrete	\$136.00 / hour	80	\$10,880.00
Special Inspector (Prevailing Wage)	Welding (Field)	\$136.00 / hour	120	\$16,320.00
Non Destructive Testing (NDT)	NDT (Field)	\$136.00 / hour	16	\$2,176.00
Field Soils/Material Tester (Prevailing Wage)	Building Pad and Footings	\$130.00 / hour	80	\$10,400.00
Field Soils/Material Tester (Prevailing Wage)	Retaining Walls & Pool	\$130.00 / hour	40	\$5,200.00
Vehicle Usage	Truck/Equipment	\$15.00 / hour	120	\$1,800.00
<b>SUBTOTAL</b>				<b>\$81,536.00</b>
<b>Laboratory Testing</b>				
Particle size - Sieve only 1½ inch to #200, (ASTM D6913/CTM 202)		\$135.00 / each	1	\$135.00
Modified Proctor compaction 4 inch mold (Methods A & B ASTM D1557)		\$220.00 / each	2	\$440.00
Expansion Index (EI, ASTM D4829)		\$130.00 / each	2	\$260.00
Trimming concrete cores (per core)		\$20.00 / each	12	\$240.00
Length of drilled concrete cores (CTM 531)		\$40.00 / each	12	\$480.00
Mortar cylinders (2" by 4", ASTM C780)		\$30.00 / each	28	\$840.00
Grout prisms (3" by 6", ASTM C1019)		\$30.00 / each	24	\$720.00
CMU compression to size 8" x 8" x 16" (3 required, ASTM C140)		\$55.00 / each	1	\$55.00
CMU moisture content, absorption & unit weight (6 required, ASTM C140)		\$50.00 / each	1	\$50.00
Masonry core-shear, Title 24 (test only)		\$80.00 / each	6	\$480.00
Rebar tensile test, ≤ up to No. 11 (ASTM A370)		\$65.00 / each	6	\$390.00
Rebar bend test, up to No. 11 (ASTM A370)		\$65.00 / each	6	\$390.00
F3125 GR A307, A325 Bolts, tensile test, ≤ up to 1-1/4" diameter, plain (ASTM A370)		\$65.00 /	6	\$390.00
Pick-up & delivery – (weekdays, per trip, <50 miles from Leighton office)		\$90.00 / each	25	\$2,250.00
<b>SUBTOTAL</b>				<b>\$8,520.00</b>
<b>Outside Laboratory Testing</b>				
Coring Sub-Contractor		\$175.00 / hour	24	\$4,200.00
Mark-up			15%	\$630.00
<b>SUBTOTAL</b>				<b>\$4,830.00</b>
<b>Project Management, Report QC/QA, Dispatch</b>				
Operations Manager	Project Management / QC	\$171.00 / hour	32	\$5,472.00
Senior Staff Engineer	Review Submittals, Concrete Mix, WPS, etc	\$156.00 / hour	16	\$2,496.00
Principal	DSA 291s and 293s, Interims, Final	\$243.00 / hour	14	\$3,402.00
Senior Staff Engineer	QA/QC - Inspection / Laboratory Test Results	\$156.00 / hour	24	\$3,744.00
Project Administrator/Word Processor	Report Distribution	\$77.00 / hour	32	\$2,464.00
Dispatcher	Scheduling	\$77.00 / hour	24	\$1,848.00
<b>SUBTOTAL</b>				<b>\$19,426.00</b>
<b>TOTAL ESTIMATED COST</b>				<b>\$130,752.00</b>