



June 12, 2017

Mr. Jim Wilson  
Kitchell CEM  
1180 Coleman Avenue, Suite 202  
San Jose, California 95110

Via E-Mail: [jmwilson@kitchell.com](mailto:jmwilson@kitchell.com)

**Subject:       *Testing and Inspection Services for MUSD Summer 2017 Project  
Milpitas High School, 1285 Escuela Parkway, Milpitas, California 95035  
Girls Team Room CEL #10-33240PW  
Athletic Storage CEL #10-33241PW  
Materials Testing and Construction Inspection Services***

Dear Mr. Wilson:

Consolidated Engineering Laboratories (CEL) is pleased to submit our cost proposal to provide materials testing and construction inspection services for the ***MUSD Summer 2017 project, located at Milpitas High School in Milpitas, California.*** CEL would be proud to be part of your team, helping to ensure the construction quality and success of this project.

Following are our cost estimate and proposal form.

Thank you for giving CEL the opportunity to be a part of your project team. We are committed to providing our clients the very best service possible to fulfill their testing and inspection needs, and are eager to prove this commitment to you. Should you have any questions or require additional information, please do not hesitate to contact me.

Respectfully submitted,  
**CONSOLIDATED ENGINEERING LABORATORIES**

  
Zacc Baker  
Senior Project Manager | Estimator

ZB/clr

# INSPECTION COST WORKSHEET

## MHS - Girls Team Room

**PROJECT: MHS – Girls Team Room**  
**FOR: Milpitas Unified School District**

**Test Lab:** Consolidated Engineering Laboratories  
**Date:** June 12, 2017

### SOILS, BASE MATERIAL, DRAIN ROCK AND SUB-GRADE

Sampling for all listed soils/base materials	0 @ \$ 85.00 per hr. = \$ 0.00
Moisture/Density Curve (Proctor) for soils/base Materials	0 @ \$ 225.00 per ea. = \$ 0.00
Testing Permeable Drain Rock Material (Per Specifications)	0 @ \$ 225.00 per ea. = \$ 0.00
Field Compaction Tests	0 @ \$ 85.00 per hr. = \$ 0.00
<b>TOTAL BASE MATERIAL AND SUB-GRADE SAMPLING</b>	<b>\$ 0.00</b>

### CONCRETE

Sampling for each Concrete placement	6 hrs @ \$ 78.00 per hr. = \$ 468.00
Concrete Moisture Slump Test – JOBSITE	6 hrs @ \$ 78.00 per hr. = \$ 468.00
Concrete Materials Batch Plant Inspections	6 hrs @ \$ 65.00 per hr. = \$ 390.00
Concrete Placement Inspection	6 hrs @ \$ 78.00 per hr. = \$ 468.00
Concrete Cylinder Compression Tests (4 per set)	4 sets @ \$ 80.00 ea. set = \$ 320.00
<b>TOTAL CONCRETE SAMPLING</b>	<b>\$ 2,114.00</b>

### PROOF LOAD/TORQUE TESTING

Proof load Testing (JOBSITE)	16 hrs @ \$ 68.00 per hr. = \$ 1,088.00
Torque Testing (JOBSITE)	16 hrs @ \$ 68.00 per hr. = \$ 1,088.00
<b>TOTAL PROOF LOAD TESTING</b>	<b>\$ 2,176.00</b>

### REINFORCING STEEL

Sampling for Testing of Reinforcing Steel (4 pickups)	2 hrs @ \$ 78.00 per hr. = \$ 156.00
Testing of Reinforcing Steel (Tensile and Bend)	2 ea @ \$ 120.00 per ea. = \$ 240.00
ID & Tag Loads of Reinforcing Steel	6 hrs @ \$ 78.00 per hr. = \$ 468.00
<b>TOTAL REINFORCING STEEL TESTING</b>	<b>\$ 864.00</b>

### STRUCTURAL STEEL FIELD AND SHOP WELDING

Identify all materials	0 hrs @ \$ 78.00 per hr. = \$ 0.00
Verify Stiffener locations, connection tabs	0 hrs @ \$ 78.00 per hr. = \$ 0.00
Visual Inspection of Shop Welding	0 hrs @ \$ 78.00 per hr. = \$ 0.00
Visual Inspection of Field Welding	0 hrs @ \$ 78.00 per hr. = \$ 0.00
<b>TOTAL STRUCTURAL STEEL FIELD AND SHOP WELDING INSPECTIONS</b>	<b>\$ 0.00</b>

### SUPERVISION & REPORTS

Review Mix Designs and Welding Procedures	NOT TO EXCEED \$ 500.00
Supervision of lab and field personnel & coordination	NOT TO EXCEED \$ 627.70
Preparation of Test Reports	NOT TO EXCEED \$ 600.00
Final Verified Report (as required per DSA)	NOT TO EXCEED \$ 300.00

### ATTENDANCE AT PRECONSTRUCTION MEETING

Other Charges (Please explain) Mileage beyond 50 miles of CEL's closest location will be billed at \$.54 per mile. **NO CHARGE**

### Estimated Total Value of Test Lab Services

**Not to Exceed For the MHS – Girls Team Room** **(BASE BID) \$ 7,181.70**

# INSPECTION COST WORKSHEET

## MHS – Athletic Storage

**PROJECT: MHS – Athletic Storage**  
**FOR: Milpitas Unified School District**

**Test Lab:** Consolidated Engineering Laboratories  
**Date:** June 12, 2017

### SOILS, BASE MATERIAL, DRAIN ROCK AND SUB-GRADE

Sampling for all listed soils/base materials	<u>8 hrs @ \$85.00</u> per hr. = \$ 680.00
Moisture/Density Curve (Proctor) for soils/base Materials	<u>2 ea @ \$225.00</u> per ea. = \$ 450.00
Testing Permeable Drain Rock Material (Per Specifications)	<u>2 ea @ \$225.00</u> per ea. = \$ 450.00
Field Compaction Tests	<u>16 hrs @ \$85.00</u> per hr. = \$1,360.00
= \$	
<b>TOTAL BASE MATERIAL AND SUB-GRADE SAMPLING</b>	<b>\$ 2,940.00</b>

### CONCRETE

Sampling for each Concrete placement	<u>2 hrs @ \$78.00</u> per hr. = \$ 156.00
Concrete Moisture Slump Test – JOBSITE	<u>2 hrs @ \$78.00</u> per hr. = \$ 156.00
Concrete Materials Batch Plant Inspections	<u>2 hrs @ \$65.00</u> per hr. = \$ 130.00
Concrete Placement Inspection	<u>4 hrs @ \$78.00</u> per hr. = \$ 312.00
Concrete Cylinder Compression Tests (4 per set)	<u>2 sets @ \$80.00</u> ea. set = \$ 160.00
<b>TOTAL CONCRETE SAMPLING</b>	<b>\$ 914.00</b>

### PROOF LOAD/TORQUE TESTING

Proof load Testing (JOBSITE)	<u>8 hrs @ \$68.00</u> per hr. = \$ 544.00
Torque Testing (JOBSITE)	<u>8 hrs @ \$68.00</u> per hr. = \$ 544.00
<b>TOTAL PROOF LOAD TESTING</b>	<b>\$ 1,088.00</b>

### REINFORCING STEEL

Sampling for Testing of Reinforcing Steel (4 pickups)	<u>4 hrs @ \$78.00</u> per hr. = \$ 312.00
Testing of Reinforcing Steel (Tensile and Bend)	<u>4 ea @ \$120.00</u> per ea. = \$ 480.00
ID & Tag Loads of Reinforcing Steel	<u>8 hrs @ \$78.00</u> per hr. = \$ 624.00
<b>TOTAL REINFORCING STEEL TESTING</b>	<b>\$ 1,416.00</b>

### STRUCTURAL STEEL FIELD AND SHOP WELDING

Identify all materials	<u>8 hrs @ \$78.00</u> per hr. = \$ 624.00
Verify Stiffener locations, connection tabs	<u>8 hrs @ \$78.00</u> per hr. = \$ 624.00
Visual Inspection of Shop Welding	<u>8 hrs @ \$78.00</u> per hr. = \$ 624.00
Visual Inspection of Field Welding	<u>8 hrs @ \$78.00</u> per hr. = \$ 624.00
<b>TOTAL STRUCTURAL STEEL FIELD AND SHOP WELDING INSPECTIONS</b>	<b>\$ 2,496.00</b>

### SUPERVISION & REPORTS

Review Mix Designs and Welding Procedures	NOT TO EXCEED	\$ 500.00
Supervision of lab and field personnel & coordination	NOT TO EXCEED	\$ 812.70
Preparation of Test Reports	NOT TO EXCEED	\$ 600.00
Final Verified Report (as required per DSA)	NOT TO EXCEED	\$ 300.00
<b>ATTENDANCE AT PRECONSTRUCTION MEETING</b>		<b>NO CHARGE</b>

Other Charges (Please explain) Mileage beyond 50 miles of CEL's closest location will be billed at \$.54 per mile.

### Estimated Total Value of Test Lab Services

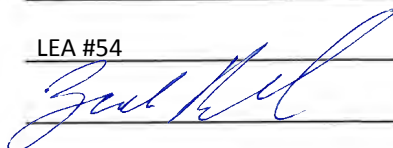
**Not to Exceed For the MHS – Athletic Storage**

**(BASE BID) \$ 11,066.70**

## PROPOSAL FORM

### Testing and Inspection Proposal Form


#### Proposal Information:

Firm Name Consolidated Engineering Laboratories  
DSA LEA Number LEA #54  
Authorized Signature   
Printed Name Zacc Baker, Senior Project Manager  
Date June 12, 2017

Please provide your firm's proposed fee for each of the four (4) projects. Please note the projects will be awarded separately. The lowest responsive bidder for each project will be awarded the contract.

1) MHS – Girls team Room (\$ 7,181.70 )  
2) MHS – Athletic Storage (\$ 11,066.70 )  
Total Cost for Both Projects (\$ 18,248.40 )

**Bidder's Certification** – Proposal(s) shall include all testing, inspections, travel time, shipping charges and applicable taxes. *All project worksheets must be attached to this proposal.*

  
Signature

June 12, 2017  
Date

#### ACKNOWLEDGMENT

By signature below, pricing for the testing and special inspection services on this proposal will be guaranteed to be the same rates as noted on your inspection cost worksheet until the project is completed.

  
Signature

June 12, 2017  
Date