

<b>Board Office Use: Legislative File Info.</b>	
File ID Number	12-2594
Committee	Facilities
Introduction Date	10-10-2012
Enactment Number	12-2594
Enactment Date	10/10/12 O/S



OAKLAND UNIFIED SCHOOL DISTRICT

Memo

To Board of Education

From Tony Smith, Ed.D., Superintendent  
Timothy White, Associate Superintendent, Facilities Planning and Management

Board Meeting Date October 10, 2012

Subject Division of Facilities Planning and Management P.O.'s. Less than \$50,000.00

Action Requested: Ratification by the Board of Education of the attached contracts for the Division of Facilities Planning and Management.

Name	Total	Fund	P.O.	Site	Date	City
Advanced Voice & Data	\$4,468.26	Measure B	P.O.	Highland New Classroom Building	6-28-2012 thru 7-6-2012	Concord
ALMA Strategies	\$14,850.00	Measure B	P.O.	Fremont HS	6-1-2012 thru 5-31-2013	San Francisco
Approved Maintenance	\$800.00	Developer Fees	P.O.	La Escuelita Educational Center	9-5-2012 thru 12-31-2012	Oakland
Associates Comfort Systems	\$9,100.00	Special Revenue Fund	P.O.	Various Move Management	7-1-2012 thru 12-31-2012	San Leandro
BA Morrison	\$2,000.00	Measure B	P.O.	Grass Valley ES Portable Installation	8-20-2012 thru 12-30-2012	Castro Valley
Bayside Pest Control	\$15,660.00	Developer Fees	P.O.	Facilities	7-1-2012 thru 6-20-2013	El Cerrito
Bobbie's Permit Service	\$5,563.00	Measure B	P.O.	Grass Valley ES Portable Installation	8-9-2012 thru 10-18-2012	Coarsegold
California Department of Education	\$8,498.89	Measure B	P.O.	Highland New Classroom Building	9-13-2012 thru 12-30-2012	Sacramento
CDW Government	\$65,859.19	Developer Fees	P.O.	La Escuelita Educational Center	8-15-2012 thru 10-15-2012	Chicago, IL
CDW Government	\$67,205.05	Measure A	P.O.	La Escuelita Educational Center	8-15-2012 thru 10-15-2012	Chicago, IL
CEL	\$6,510.00	Measure B	P.O.	Piedmont Portable Installation	7-30-2012 thru 9-1-2012	San Ramon



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Clark's Home & Garden, Inc.	\$1,988.49	County School Facilities Fund	P.O.	King Estates Seismic Retrofit AB-300	8-28-2012 thru 2-28-2013	Hayward
Comco Sheet Metal Company, Inc.	\$7,013.13	Special Revenue Reserve	P.O.	Marshall School	9-12-2012 thru 11-12-12	Oakland
Commercial Systems	\$4,388.00	Measure B	P.O.	Urban Promise Multi-Purpose Building	5-20-2012 thru 8-1-2012	San Carlos
Corovan	\$74,472.54	Special Revenue Reserve	P.O.	Lakeview (School Closure)	8-1-2012 thru 6-30-2012	Poway
Creation Engine, Inc.	\$869.73	Measure A	P.O.	Facilities	9-11-2012 thru 10-11-2012	Mountain View
Del Monte Electric Co.	\$7,500.00	Measure B	P.O.	Montera MS Modernization	8-23-2012 thru 12-30-2012	Dublin
DGC Services	\$3,200.00	Measure B	P.O.	Jefferson New Building	7-30-2012 thru 11-30-2012	Dublin
Douglas Parking	\$2,650.00	Special Revenue Fund	P.O.	Lakeview ES	5-1-2011 thru 6-30-2012	Oakland
Energy Systems	\$768.00	Developer Fees	P.O.	La Escuelita Educational Center	6-19-2012 thru 8-19-2012	Stockton
Eric Thomas & Associates	\$7,900.00	Measure A	P.O.	Facilities	8-15-2012 thru 8-15-2012	Grand Ledge, MI
Eric Young	\$375.00	Measure A	P.O.	Facilities	6-27-2012	Oakland
Eric Young	\$150.00	Measure A	P.O.	Facilities	8-3-2012 thru 8-3-2012	Oakland
Eric Young	\$1,200.00	Measure A	P.O.	Facilities	8-10-2012 thru 8-10-2012	Oakland
Fire Alarm Security Services	\$984.00	Measure B	P.O.	Grass Valley ES Portable Installation	8-27-2012 thru 8-27-2014	Aptos
First Alarm	\$2,480.00	County School Facilities	P.O.	La Escuelita Educational Center	8-1-2012 thru 10-1-2012	San Jose
First Alarm	\$3,867.00	Measure B	P.O.	La Escuelita Educational Center	9-6-2012 thru 11-6-2012	San Jose
Gary Doupnik Manufacturing	\$39,000.00	Measure B	P.O.	Lowell Modernization	6-25-2012 thru 7-2-2013	Loomis
Globe Plumbing Supply Co.	\$1,871.77	Developer Fees	P.O.	La Escuelita Educational Center	6-19-2012 thru 8-19-2012	Oakland
Graham Tree Service, Inc.	\$12,000.00	Developer Fees	P.O.	La Escuelita Educational Center	7-5-2012 thru 9-5-2012	San Leandro
High-Tech Electric	\$9,093.00	Developer Fees	P.O.	La Escuelita Educational Center	8-10-2012 thru 9-30-2012	Clovis
High-Tech Electric	\$10,350.00	Country School Facilities	P.O.	La Escuelita Educational Center	9-4-2012 thru 12-31-2012	Clovis



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J&R Fence, Inc.	\$1,800.00	Measure B	P.O.	Grass Valley ES Portable Installation	9-6-2012 thru 12-31-2012	San Leandro
Larm's Building & Garden Supply, Inc.	\$111.73	Developer Fees	P.O.	La Escuelita Educational Center	6-20-2012 thru 8-20-2012	Oakland
Lee's Signs	\$835.20	Measure B	P.O.	Madison Football and Multi-Use Field	7-23-2012 thru 9-23-2012	Oakland
Mobile Modular Management Corp.	\$1,250.00	Measure B	P.O.	Piedmont Portable Installation for Library and Science Room	7-19-2012 thru 8-1-2012	Livermore
North American Fence & Railing, Inc.	\$750.00	Measure B	P.O.	Roosevelt MS Modernization	8-21-2012 thru 6-1-2012	Oakland
Optus, Inc.	\$164.43	Developer Fees	P.O.	La Escuelita Educational Center	6-19-2012 thru 8-19-2012	Jonesboro, AR
PG&E	\$1,165.24	Measure B	P.O.	Montclair Interim Housing	8-2-2011 thru 8-1-2012	Stockton
Ray's Electric	\$49,000.00	Measure B	P.O.	Piedmont Portable Installation for Library and Science Room	7-2-2012 thru 12-31-2012	Oakland
Ray's Mobile Modular Service	\$2,400.00	Measure B	P.O.	Grass Valley ES Portable Installation	8-1-2012 thru 9-30-2012	Bryon
Redgwick Construction	\$19,320.00	Measure B	P.O.	Sobrante Park Modernization	8-16-2012 thru 10-15-2012	Oakland
Redwood Engineering Construction	\$49,900.00	Measure B	P.O.	Grass Valley ES Portable	6-14-2012 thru 12-30-2012	Redwood City
Reed Brothers	\$675.00	Developer Fees	P.O.	Metwest Educational Center	8-15-2012 thru 10-15-2012	Oakland
Robles Communications, Inv.	\$5,037.50	Special Revenue Fund	P.O.	Melrose Leader Academy	8-2-2012 thru 10-2-2012	San Leandro
SGL Construction Mangement	\$19,999.00	Developer Fees	P.O.	Metwest Educational Center	7-20-2012 thru 9-20-2012	Pasadena
SJ General Building Maintenance Inc.	\$2,250.00	Measure B	P.O.	Grass Valley ES Portable Installation	8-1-2012 thru 12-1-2012	San Jose
Summerhill Electric	\$4,210.00	Measure B	P.O.	Jefferson CDC Fire Alarm Replacement	7-12-2012 thru 1-14-2013	Oakland
Urban Design Consulting	\$18,920.00	Measure B	P.O.	Sobrante Park Modernization	8-15-2012 thru 12-31-2012	Oakland
Urban Design Consulting	\$15,350.00	Measure B	P.O.	Washington Modernization	8-15-2012 thru 12-31-2012	Oakland



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	<i>Valley Carports</i>	\$27,890.00	Measure B	P.O.	Havenscourt New Cafeteria & Classroom Building	9-10-2012 thru 6-30- 2013	Tulare
	<i>Your all Day Everyday Janitorial Service</i>	\$16,790.00	Developer Fees	P.O.	La Escuelita Educational Center	9-4-2012 thru 12-31- 2012	San Francisco

**Discussion:**

Among the key purposes of the District's Facilities Master Plan is to provide an academic environment for the Oakland community that will give every student, educator, and community member using our facilities the best possible opportunity for learning.

Through implementation of the Facilities Master Plan, the District intends to improve the District's facilities in terms of structural integrity, safety, reliability of operating (mechanical) systems, access to modern resources, number and type of appropriate laboratories and specialized instruction rooms, opportunities for physical education, and attractiveness, such that the Oakland Public Schools are second to none. Operation of the District schools under the planned approach is intended to ensure safety, cleanliness, and orderliness for all individuals participating in the learning process.

The basic facility needs of students such as proper lighting, functional roofs, noise control and well maintained buildings, not only convey the message that we value our students and teachers but may foster a sense of school pride and community ownership which may improve attitudes towards learning. The implementation of the Facilities Master Plan is our first step in that direction.

**Fiscal Impact:**

Various

**Recommendation:**

The Board of Education is requested to approve the Facilities Planning and Management contracts and Purchase Order for the OUSD school sites.

**OAKLAND UNIFIED SCHOOL DISTRICT  
Department of Facilities Planning and Management  
AGREEMENT REQUEST FORM**

*J. 02 3870*

**DATE SUBMITTED:** 7/18/2012  
**SUBMITTED BY:** Kenya Chatman

**SECTION I. TYPE OF AGREEMENT (PLEASE CHECK ONE BOX)**

1.) A/E (Architect and Engineers) Contract	<input type="checkbox"/>	5.) "Small" (under \$15,000)	<input type="checkbox"/>
2.) IOR (Inspector of Record Contract)	<input type="checkbox"/>	6.) Resolution Awarding	<input type="checkbox"/>
3.) Agreement for Professional Services - Testing Etc.	<input checked="" type="checkbox"/>	7.) Change Order	<input type="checkbox"/>
4.) Amendment to Agreement for Professional Services	<input type="checkbox"/>	8.) Purchase Order	<input type="checkbox"/>

**Vendor Number:** \_\_\_\_\_  
**Fiscal Year:** 2012-2013  
**PO Under \$50k Construction Contract:** \_\_\_\_\_  
**Date Processed:** 8/30/2012  
**To: MB** 8/31 **To DR:** \_\_\_\_\_

*T.E.W.* \_\_\_\_\_ **Date** \_\_\_\_\_ *Tadashi Nakadegawa* \_\_\_\_\_ **Date** 7/18/12  
Timothy E. White Asst. Superintendent      Tadashi Nakadegawa Facilities Director

**SECTION II. LOCAL BUSINESS PARTICIPATION PERCENTAGE:**

Local Business	Small Local Business	Small Local Resident Business	Total Percentage
100.00%	0.00%	0.00%	100.00%

**SECTION III. AGREEMENT INFORMATION:**

<b>Project Name:</b> Piedmont Portable Installation for Library & Science Room	<b>Project No.:</b> 07145
<b>Vendor Name:</b> Consolidated Engineering Laboratories	<b>Vendor Contact:</b> Eric Swenson, PE, GE
<b>Vendor Phone Number:</b> (925) 314-7100	<b>Vendor Mailing Address:</b> 2001 Crow Canyon Road, Suite 100 San Ramon, CA 94583
<b>Agreement Start and Stop Dates:</b> Start: 7/30/2012 Stop: 9/1/2012	<b>Amounts:</b> Current Contract Amount: \$0.00 Not to Exceed Amount: \$6,510.00 Revised Contract Amount: \$0.00
<b>Has Work Started?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Introduction Date and Explanation:</i> <u>12-2594</u> <i>Enactment No.:</i> <u>12-2504</u> <i>Enactment Date:</i> <u>10/10/12</u>	<b>Has Work Been Completed?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <i>Date:</i> _____ <i>Jody London</i> <i>President, Board of Education</i> <i>10/10/12</i>
<b>Certificate of Insurance Attached</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Date provided:</b> _____

**For Construction Contracts >\$15,000, please provide or attach the following:**

- |   |  |
|---|--|
| 1) Number of Bids Received, List of Bidders and Amounts (Bid Form) (Attach Bid Documents) | 6) Performance Bonds Attached  |
| 2) Date(s) of Bid Advertisement -   | 7) Payment Bonds Attached  |
| 3) Date of Bid Opening -  | (Sections 6 and 7 to be completed by Contract Administration department) |
| 4) Name of Architect - HY Architects  |  |
| 5) Liquidated damages per day - \$  |  |

**Scope of Work:** (Needed to prepare Executive Summary) Provide geotechnical testing and monitoring services during construction phase operations for the new portable at Piedmont Ave Elementary School. Soils compaction observation and testing. Please attach separately along with Vendor's proposal.

**Discussion Info:** (Needed to prepare Executive Summary) (Provide detailed background. Why is contract required and what is the benefit to students) - Add additional pages as needed  
Piedmont ES new Science room portable

**Funding Source:** \_\_\_\_\_ **Budget Number:** 7-252012

**RECEIVED**  
FACILITIES PLANNING DEPARTMENT  
OCT 11 2012  
10/10/12



**CONSOLIDATED ENGINEERING  
LABORATORIES**

July 17, 2012

DSA Application No. 01-112740

File No. 1-29

Oakland Unified School District  
955 High Street  
Oakland, California 94601

Attention: Ms. Kenya Chatman - Project Manager

**Subject:** *Proposal for Geotechnical Engineering Construction Phase Services*  
Piedmont Avenue Elementary School – Science Lab Portable  
4314 Piedmont Avenue, Oakland, California 94611  
CEL Proposal No. 84-02885-PW

**References:** 1) Piedmont Portable Project Plans, prepared by HY Architects, dated 6-20-12  
2) Piedmont Ave. Elem School – Portable Project Specifications, dated June 20, 2012

Dear Ms. Chatman:

**Consolidated Engineering Laboratories, Geotechnical Engineering Division** has prepared this proposal to provide geotechnical testing and monitoring services during construction phase operations for the new improvements to the Piedmont Avenue Elementary School in Oakland, California. The project will consist of the placement of a new Portable Building which will house a science lab and associated site improvements.

A previous geotechnical report was not available to us at the time of this proposal. We have reviewed the project drawings, and we are assuming that a pressure treated wood foundation is being used for this portable. The primary construction elements which will require geotechnical observation include the construction of utilities and pavements. Significant grading for the structure is not anticipated. Additionally, permanent foundations are not anticipated

**SCOPE OF SERVICES**

**SOILS COMPACTION OBSERVATION AND TESTING**

Testing and inspection will be performed during utility trench backfill (both for new and removed lines), flatwork preparation, and pavement preparation.

- Observation and testing of pavement and concrete hardscape section preparation, including subgrade, and baserock;
- Observation and testing of new underground utility trench backfilling;
- Laboratory testing, including maximum density determinations and materials acceptance testing;
- Project management and consultation, including responses to submittals and RFI's, and preparation of summary forms and reports required by DSA.

Field testing will be performed using a nuclear gauge to determine the relative compaction of the soil in conformance with American Society for Testing and Materials ASTM D2922 and ASTM D3017.



ON-GOING CONSULTATION DURING CONSTRUCTION

As the Geotechnical Engineer-of-Record for this project, some on-going consultation services may be required. We suggest including additional time for consultation during the construction process.

CEL proposes to utilize Principal, Senior, and Technician level personnel on this project. CEL's engineering staff will provide supervision of the soil technicians, foundation observation, daily field report review, and consultation during construction.

In summary, our services during construction would include:

- Geotechnical engineering consultation during construction, as required;
- Observation and testing during pavement and exterior concrete hardscape preparation;
- Observation and testing during utility trench backfilling;
- Project coordination and field daily reports review during construction;
- Final Summary Letter of our observations and testing for construction of the project;
- Preparation of the required DSA forms

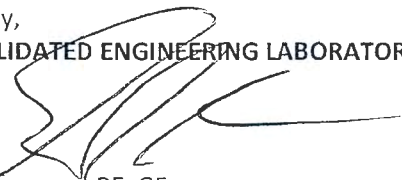
The Estimated Time and Materials fees for these services are summarized on the attached. A project schedule was not available at the time of preparing this estimate, should one become available we should be allowed the opportunity to revise this estimate to conform to that project schedule.

Our estimate is based on the project schedule provided and services listed above and the actual fees could be more or less depending on the actual services required. Our services will be billed portal to portal with service initiated out of our local Oakland office. Any offsite improvements for the project are not included in this estimate.

If this proposal is acceptable, please provide an Oakland Unified School District Professional Services Agreement to us. If you have any questions regarding this proposal, please contact the undersigned at (925) 314-7100, [ejs@ce-labs.com](mailto:ejs@ce-labs.com). We appreciate the opportunity of providing this proposal to you.

Sincerely,

**CONSOLIDATED ENGINEERING LABORATORIES**



Eric J. Swenson, PE, GE  
Principal Geotechnical Engineer and Geologist

Attachments: Fee Schedule  
Report Distribution

Distribution: 2 plus PDF to Addressee, [kenya.chatman@ousd.k12.ca.us](mailto:kenya.chatman@ousd.k12.ca.us)

EJS: pmf

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CONSOLIDATED ENGINEERING  
LABORATORIES

**ESTIMATED TIME AND MATERIALS FEES:**

Description	Rate	Hours	Subtotal
<b>Utility Trench Backfill</b>			
Technician with gauge/Half-days, 10 days	\$ 85/hour	40 hours	\$ 3,400.00
Maximum Density/Optimum Moisture	\$300/test	2 each	\$ 600.00
<b>Subtotal:</b>			<b>\$ 4,000.00</b>
<b>Subgrade Preparation and Baserock Placement</b>			
Technician with gauge/Half-days, 4 days	\$ 85/hour	16 hours	\$ 1,360.00
Maximum Density/Optimum Moisture	\$300/test	1 each	\$ 300.00
<b>Subtotal:</b>			<b>\$ 1,660.00</b>
<b>Project Management, RFI/Submittal Response, Field Consultation, Meetings, and Report Preparation</b>			
Senior Engineer	\$170/hour	5 hours	\$ 850.00
<b>Subtotal:</b>			<b>\$ 850.00</b>
<b>Total Time and Materials Estimated Fees:</b>			<b>\$ 6,510.00</b>



**FEE SCHEDULE**

**PROFESSIONAL CONSULTING AND CONSTRUCTION OBSERVATION AND TESTING SERVICES**

Effective: January 1, 2012 through December 31, 2012

Task Code	PERSONNEL	UNIT RATE	UNIT
G1401/G2000	Principal Engineer/Geologist	\$ 200.00	hour
G1500/G2100	Senior Engineer/Geologist	\$ 170.00	hour
G1600/G2200	Project Engineer/Geologist	\$ 150.00	hour
G1700/G2300	Staff Engineer/Geologist	\$ 130.00	hour
G1900/G2500	Assistant Engineer	\$ 95.00	hour
G3200	Technician Supervisor	\$ 90.00	hour
G3300	Field Technician	\$ 85.00	hour
G2900	Laboratory Technician	\$ 70.00	hour
G3000	Assistant Technician/Inspector	\$ 70.00	hour
G3600	Administrative	\$ 65.00	hour
	Drafting	\$ 80.00	hour
	Depositions, minimum 4 hours	\$ 300.00	hour
	Expert Witness, minimum 4 hours	\$ 400.00	hour
	Nuclear Gauge	\$ 5.00	hour
	Vehicle	\$ 5.00	hour
SOIL AND BASE MATERIALS		UNIT RATE*	UNIT
<b>Moisture and Density Relationships</b>			
02019	Compaction, Standard Proctor, ASTM D698	\$ 265.00	each
02018	Compaction, Modified Proctor, ASTM D1557	\$ 300.00	each
02016	Compaction, Checkpoint, ASTM D1557	\$ 150.00	each
02014/02015	Compaction, California Impact, CT216	\$ 300.00	each
02046/02093	Moisture/Density, Sample Tubes, ASTM D2216/D2937	\$ 30.00	each
02088	Moisture Content, Bulk Sample, ASTM D2216	\$ 20.00	each
<b>Particle Size Analysis</b>			
02074	Dry Sieve to #200, ASTM D422/CT117	\$ 150.00	each
	Dry Sieve Analysis/Hydrometer, ASTM D422	\$ 268.00	each
	Hydrometer, ASTM D422	\$ 168.00	each
02076	Wet Sieve Analysis to #200, ASTM D1140	\$ 65.00	each
02075	Sieve Analysis, Bulk Sample Gradation, ASTM C136/CT202	\$ 180.00	each
<b>Soil Characteristics</b>			
02040	Atterberg Limits (Plasticity Index), ASTM D4318 / CT204	\$ 200.00	each
02077	Soil Classification, ASTM D2487	\$ 350.00	each
02081	Specific Gravity, D854	\$ 110.00	each
02058	Permeability of Granular Soils (Constant Head) ASTM D2434	\$ 350.00	each
02060	Permeability, Flexible Wall, Cohesive Soil, ASTM D5084	Quotation upon request	
02061	Permeability, Rigid Piston Driven, Cohesive Soil, ASTM 5856	Quotation upon request	
<b>Volume Change</b>			
02047	Consolidation, Method A Constant Load, 7 load increments, ASTM D2435	\$ 400.00	each
02048	Consolidation, Method A Constant Load, per load increment, ASTM D2435	\$ 60.00	each
02049	Consolidation, Method B Timed per load increment, ASTM D2435	\$ 500.00	each
02051	Consolidation/Swell, Cohesive Soil, per point, ASTM D4546, Methods A and B	\$ 300.00	each
02052	Consolidation/Swell, Cohesive Soil, per-point, ASTM D4546, Method C	\$ 300.00	each
02013	Collapse Potential, ASTM D5333	\$ 180.00	each
02037	Expansion Index Test (UBC 29-2)	\$ 300.00	each
02050	Expansion, Shrinkage, and Uplift Pressure, ASTM D3877	\$ 400.00	each

**FEE SCHEDULE**

**PROFESSIONAL CONSULTING AND CONSTRUCTION OBSERVATION AND TESTING SERVICES**

**Effective: January 1, 2012 through December 31, 2012**

		UNIT RATE*	UNIT
<b>Soil Strength</b>			
02027	Direct Shear, 3 points, Unconsolidated-Undrained, Q-test. ASTM D3080	\$ 350.00	each
02031	Direct Shear, additional points, Unconsolidated-Undrained, Q-test	\$ 100.00	each
02028	Direct Shear, 3 points, Consolidated-Undrained, R-Test	\$ 600.00	each
02029	Direct Shear, 3 points, Consolidated-Drained, ASTM D3080	\$ 1,000.00	each
02030	Direct Shear, 3 points, Residual, ASTM D6467	\$ 800.00	each
02034	Direct Shear, per point, Residual, Each Additional Cycle, ASTM D6467	\$ 350.00	each
02083	Unconfined Compressive Strength, ASTM D2166	\$ 120.00	each
02084	Unconfined Compressive Strength (lime or cement treated), CT373	\$ 400.00	each
	Unconfined Compression, Field Prepared CTB, per point ASTM D558, D1632, D1633	\$ 180.00	each
02003/02004	Triaxial		Quotation upon request
<b>Subgrade Soil and Baserock</b>			
02006	California Bearing Ratio, 1 point, ASTM D1883	\$ 200.00	each
02007	California Bearing Ratio, 3 points (specified moisture), ASTM D1883	\$ 600.00	each
02008	California Bearing Ratio, 3 points (96 hour soak), ASTM D1883	\$ 400.00	each
02065/02068	"R" Value (no additives), ASTM D2844 / CT301	\$ 300.00	each
02067	"R" Value (lime, cement, other additives) CT301	\$ 360.00	each
02010	Compression, Cement Treated Base (Including Preparation), Cal 312	\$ 170.00	each
02071/02072	Sand Equivalent, ASTM D2419 / CT217	\$ 195.00	each
02214	Durability, ASTM D3744	\$ 120.00	each
<b>Corrosivity</b>			
02024	Corrosivity, Water Soluble Sulfate, ASTM D4327	\$ 100.00	each
02062	pH, ASTM 4972	\$ 40.00	each
02069/02070	Lab Resistivity	\$ 90.00	each
02022	Corrosivity (pH, resistivity, chlorides, sulfate, sulfide) D4972, G57, D4327, D4658M	\$ 300.00	each
02023	Corrosivity, Caltrans (pH, chlorides, sulfate, resistivity) CT 643, 417, 422	\$ 300.00	each
<b>AGGREGATES</b>		<b>UNIT RATE*</b>	<b>UNIT</b>
<b>Sieve Analysis</b>			
02074	Bulk Sample Gradation (coarse or fine), ASTM C 136	\$ 160.00	each
02238	Material Finer than #200 Sieve, ASTM C 117	\$ 70.00	each
02075	Bulk Sample Gradation, Cal 202	\$ 180.00	each
02240	Specific Gravity (coarse), ASTM C 127/Cal 206	\$ 90.00	each
02241	Specific Gravity (fine), ASTM C 128/Cal 207	\$ 110.00	each
02205	Absorption, Sand or Gravel, ASTM C 127/ASTM C 140	\$ 80.00	each
02226	Organic Impurities in Concrete Sand, ASTM C 88 or ASTM C40	\$ 75.00	each
02200/02204	L.A. Rattler, ASTM C 131 or C 535/Cal 211	\$ 300.00	each
02244	Sulfate Soundness (per sieve), ASTM C 88	\$ 140.00	each
02248	Unit Weight of Aggregates, ASTM C 29	\$ 85.00	each
07009	Hardness, ASTM D 1865	\$ 120.00	each
02212	Crushed Particles, Cal 205	\$ 160.00	each
02012	Cleanness Value, Cal 227 or Cal 217	\$ 120.00	each
02214/02215	Durability ASTM D 3744/Cal 229	\$ 120.00	each
02224	Moisture Content of Aggregate ASTM C 29	\$ 70.00	each

**FEE SCHEDULE**

**PROFESSIONAL CONSULTING AND CONSTRUCTION OBSERVATION AND TESTING SERVICES**

Effective: January 1, 2012 through December 31, 2012

<b>ASPHALT/CEMENT</b>		<b>UNIT RATE*</b>	<b>UNIT</b>
02374	Penetration of Bituminous Materials at 77°F, ASTM D5/AASHTO T49	\$ 71.00	each
02375	Penetration of Bituminous Materials at 32°F to 158°F, ASTM D 5/AASHTO T49	\$ 105.00	each
02360	Kinematic Viscosity of Asphalt, ASTM D 2170/AASHTO T201	\$ 170.00	each
02300	Absolute Viscosity of Asphalt, ASTM D2170/AASHTO T201/ASTM D2171	\$ 170.00	each
02360	Viscosity (Asphalt Institute Method) Kinematic ASTM D2170	\$ 170.00	each
02380	Rolling Thin Film Test, ASTM 2872/Cal 346/AASHTO T240	\$ 180.00	each
02338	Residue by Evaporation, ASTM D244/AASHTO T59	\$ 95.00	each
	Extraction and Recovery, ASTM D2172/ASTM D 1856	\$ 646.00	each
<b>MISCELLANEOUS GEOTECHNICAL CHARGES</b>		<b>UNIT RATE</b>	<b>UNIT</b>
	All Other Direct Project Expenses (such as contract drilling and backhoe services, special equipment rental, commercial travel, protective clothing, shipping, etc.)		Cost + 15%
<b>BASIS OF CHARGES</b>		<b>UNIT RATE</b>	<b>UNIT</b>
	The rates herein will be in effect through December 31, 2012. Thereafter, the unit rates are subject to an increase of five percent (5%) per year to mitigate the annual operating cost increases.		
	Work Over 8 Hours per Day, or on Saturdays		Time and One-Half
	Work Over 12 Hours		Double Time
	Work on Sundays/Holidays		Double Time
	Swing or Graveyard Shift Premium	\$ 8.00	hour
	Work from 0 to 4 Hours (technician services only)		4-hour Minimum Billing
	Work from 4 to 8 Hours (technician services only)		8-hour Minimum Billing
su	Show-Up Time		2-hour Minimum Billing
21022	Sample Pick-Up	\$ 80.00	hour
21033	Trip Charge	\$ 80.00	trip
	Laboratory Testing - Rush Fee		Add 50% to Testing Cost
	Reimbursables		Cost + 15%
	QA/QC Plan Written Procedures		Quotation on Request
	Travel Time (Portal to Portal)		Basic Hourly Rate
	Mileage	\$ 0.55	mile
	Per-diem, Including Lodging	\$ 84.00	day



CONSOLIDATED ENGINEERING  
LABORATORIES

## REPORT DISTRIBUTION

CEL Proposal No.: 84-02885-PW

CEL Project Manager: Eric Swenson

Project Name: Piedmont Avenue Elementary School – Science Lab Portable

Project Address: 4314 Piedmont Avenue

Project Address (continued): Oakland, California 94611

Jobsite Contact:

Jobsite Phone:

Jobsite Fax:

Permit/Application #:

CEL will issue inspection and laboratory test reports to the following:

Client: Oakland Unified School District

Ms. Kenya Chatman, Project Manager

955 High Street

Oakland, California 94611

General Contractor:

Contact:

Address:

Structural Engineer:

Contact:

Address:

Architect:

Contact:

Address:

City/ORS/OSHPD (Specify):

Other (Specify)