
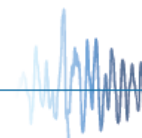




OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD PREAPPROVED LABORATORY (OPL)		For Office Use Only	
		Application #	OPL -0010-14
Name of Approved Agency/Laboratory American Engineering Laboratories, Inc.	City La Habra	County Orange	State CA
APPLICATION TYPE / FEE			
Application is based on:	New Application Fee (Fees are Nonrefundable)	Renewal Fee (Fees are Nonrefundable)	
<input type="checkbox"/> DSA-LEA Approved Only	<input type="checkbox"/> \$250.00	<input type="checkbox"/> \$250.00	
<input type="checkbox"/> Accreditation Only	<input type="checkbox"/> \$500.00	<input type="checkbox"/> \$250.00	
<input checked="" type="checkbox"/> Both DSA-LEA Approved and Accreditation	<input checked="" type="checkbox"/> \$500.00	<input type="checkbox"/> \$250.00	
APPLICANT INFORMATION			
Applicant Name Aida Klingfus	Signature 	Position in the Organization President	
Agency/Laboratory Name American Engineering Laboratories, Inc.		Application Date 8/28/14	
Phone Number 562-697-4000		E-Mail aida@aelinspector.com	
Address of Facility Location (Each facility location requires separate application.)			
Street 205 W. La Habra Blvd.			
City: La Habra	County Orange	State: CA	Zip Code: 90631
Facility Mailing Address (If different from facility address above.)			
Street Same as above			
City:		State:	Zip Code:
KEY PERSONNEL (Attach additional pages if needed.)			
Engineering Manager (or equivalent) – Name Harry Haiyan Liu	CA Registration Number C81463	Expiration Date 9-30-15	
Title in the Organization Engineering Manager	Phone Number 562-697-4000		
FAX Number 562-697-4009	E-Mail harry@aelinspector.com		
Alternate to Engineering Manager (if any) – Name	CA Registration Number	Expiration Date	
Title in the Organization	Phone Number		
FAX Number	E-mail		





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

KEY PERSONNEL *(Attach additional pages if needed.)*

Laboratory Supervisor – Name Nancy Doan	CA Registration Number <i>(if any)</i>	Expiration Date
Title in the Organization Laboratory Supervisor	Phone Number 562-697-4000	
FAX Number 562-697-4009	E-Mail nancydoan@aelinspector.com	
Field Supervisor – Name Zack Klingfus	CA Registration Number <i>(if any)</i>	Expiration Date
Title in the Organization Field Supervisor	Phone Number 562-697-4000	
FAX Number 562-697-4009	E-mail zack@aelinspector.com	

ACCREDITATION

This laboratory currently holds accreditation by: *(Attach a copy of current accreditation details.)*

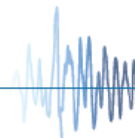
- | | |
|--|--|
| <input checked="" type="checkbox"/> AASHTO Accreditation Program (AAP) | <input type="checkbox"/> National Voluntary Laboratory Accreditation Program (NVLAP) |
| <input type="checkbox"/> International Accreditation Service (IAS) | <input type="checkbox"/> American Association of Laboratories Program (A2LA) |
| <input type="checkbox"/> Laboratory Accreditation Program (LAB) | <input type="checkbox"/> Construction Materials Engineering Council (CMEC) |
| <input type="checkbox"/> Other _____ | |

Latest Expiration Date *(if any)* _____

Is this laboratory accepted in the Division of the State Architect Laboratory Evaluation and Acceptance Program, DSA-LEA? ☐ No ☒ Yes Expiration Date: 10-20-16

Basis for accreditation:

- ☐ ISO/IEC 17025: General requirements for competence of testing and calibration laboratories
- ☐ NISTIR 7012: Technical requirements for construction materials testing
- ☒ AASHTO R18: Standard Recommended Practice for Establishing and Implementing a Quality System for Construction Materials Testing Laboratories
- ☐ ASTM E 329: Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction
- ☒ ASTM C 1077: Practice for Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Laboratory Evaluation
- ☐ ASTM D 3666: Specification for Minimum Requirements for Agencies Testing and Inspecting Bituminous Paving Materials
- ☐ ASTM D 3740: Practice for Evaluation of Agencies Engaged in Testing and/or Inspections of Soils and Rock as Used Engineering Design and Construction
- ☐ ASTM C 1093: Practice for Accreditation of Testing Agencies for Unit Masonry
- ☐ ASTM E 1212: Practice for Quality Management Systems for *Nondestructive Testing (NDT)* Agencies
- ☐ ASTM E 543: Specification for Agencies Performing *Nondestructive Testing (NDT)*





OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

STANDARDS

By checking "yes" in Tables 1 through 6 below, the applicant verifies that the laboratory has the equipment and qualified personnel to perform the indicated testing. **ONLY mark tests that are listed in accreditation certificate or DSA-LEA.**

1

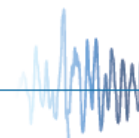
SOILS AND FOUNDATIONS

Tests

Yes	Standard	Test Procedure	Yes	Standard	Test Procedure
<input checked="" type="checkbox"/>	a. ASTM D 2487	Classification of Soils	<input type="checkbox"/>	b. ASTM D 422	Particle Size Analysts
<input checked="" type="checkbox"/>	c. ASTM D 2216	Moisture Content	<input checked="" type="checkbox"/>	d. ASTM D 4318	Liquid / Plastic Limit
<input type="checkbox"/>	e. ASTM D 2850	Unconsolidated, Undrained Triaxial	<input type="checkbox"/>	f. ASTM D 4767	Triaxial Compression
<input type="checkbox"/>	g. ASTM D 2166	Unconfined Compressive Strength	<input type="checkbox"/>	h. ASTM D 7012	Triaxial Compressive Strength of Rock Core Specimens
<input type="checkbox"/>	i. ASTM D 5778	Friction Cone and Pizocone Penetration Test	<input type="checkbox"/>	j. ASTM D 3441	Cone Penetration Test (CPT)
<input checked="" type="checkbox"/>	k. ASTM D 1140	No. 200 Wash	<input type="checkbox"/>	l. ASTM D 4829	Expansion Index
<input checked="" type="checkbox"/>	m. ASTM D 2419	Sand Equivalent Value	<input checked="" type="checkbox"/>	n. ASTM D 1557	Soil Compaction – Modified
<input type="checkbox"/>	o. ASTM D 3080	Direct Shear	<input type="checkbox"/>	p. ASTM D 6938	Density of Soils – Nuclear Gage
<input checked="" type="checkbox"/>	q. ASTM D 1556	Density of Soils – Sand Cone	<input type="checkbox"/>	r. ASTM D 1143	Deep Foundations – Static Compression
<input type="checkbox"/>	s. ASTM D 4945	Deep Foundations – Dynamic Testing	<input type="checkbox"/>	t. ASTM D 3689	Deep Foundations – Axial Tension
<input type="checkbox"/>	u. ASTM D 3966	Deep Foundations –Lateral Loads			

Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.

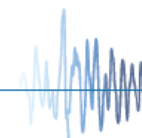
Yes	Standard	Test Procedure	Yes	Standard	Test Procedure
<input type="checkbox"/>	aa.		<input type="checkbox"/>	bb.	
<input type="checkbox"/>	cc.		<input type="checkbox"/>	dd.	
<input type="checkbox"/>	ee.		<input type="checkbox"/>	ff.	





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

2		CONCRETE			
Tests					
Yes	Standard	Test Procedure	Yes	Standard	Test Procedure
<input type="checkbox"/>	a.	ASTM D 75		b.	ASTM C 702
		Sampling Aggregate	<input type="checkbox"/>		Reducing Aggregate Samples
<input type="checkbox"/>	c.	ASTM C 40		d.	ASTM C 29
		Organic Impurities	<input type="checkbox"/>		Unit Weight / Voids
<input type="checkbox"/>	e.	ASTM C 88		f.	ASTM C 566
		Sodium Sulfate Soundness	<input type="checkbox"/>		Moisture Content
<input type="checkbox"/>	g.	ASTM C 142		h.	ASTM C 127
		Clay / Friable Particles	<input type="checkbox"/>		Specific Gravity - Coarse
<input type="checkbox"/>	i.	ASTM C 128		j.	ASTM C 117
		Specific Gravity - Fine	<input type="checkbox"/>		No. 200 Wash
<input type="checkbox"/>	k.	ASTM C 136		l.	ASTM C 131
		Sieve Analysis Course / Fine	<input type="checkbox"/>		Degradation of Aggregate
<input checked="" type="checkbox"/>	m.	ASTM D 2419		n.	ASTM C 31, C 172, CBC 1905A.1.2
		Sand Equivalent Value	<input checked="" type="checkbox"/>		Concrete Sampling - Field
<input checked="" type="checkbox"/>	o.	ASTM C 192		p.	ASTM C 173
		Making / Curing Specimens - Lab	<input type="checkbox"/>		Air Content (V)
<input type="checkbox"/>	q.	ASTM C 1602		r.	ASTM C 1604
		Water	<input type="checkbox"/>		Shotcrete Core
<input type="checkbox"/>	s.	ACI 355.2		t.	ASTM C 231
		Mechanical Anchors	<input checked="" type="checkbox"/>		Air Content (P)
<input checked="" type="checkbox"/>	u.	ASTM C 143		v.	ASTM C 1064
		Slump	<input checked="" type="checkbox"/>		Temperature
<input checked="" type="checkbox"/>	w.	ASTM C 617		x.	ASTM C 1231
		Capping Concrete Specimens	<input checked="" type="checkbox"/>		Unbonded Caps
<input checked="" type="checkbox"/>	y.	ASTM C 39		z.	ASTM C 157
		Compressive Strength	<input type="checkbox"/>		Length Change
<input type="checkbox"/>	aa.	ASTM C 78		bb.	ASTM C 496
		Flexural Strength	<input type="checkbox"/>		Splitting Tensile
<input checked="" type="checkbox"/>	cc.	ASTM C 42		dd.	ASTM C 138
		Drilled Cores / Beams	<input checked="" type="checkbox"/>		Weight / Yield / Air Content
<input type="checkbox"/>	ee.	ASTM C 495		ff.	ASTM C 567
		Lightweight Concrete	<input type="checkbox"/>		Density of Lightweight Aggregate
<input type="checkbox"/>	gg.	ASTM E 488		hh.	ACI 355.4
		Strength of Anchors	<input type="checkbox"/>		Adhesive Anchors
<input type="checkbox"/>	ii.	ACI 374.1		jj.	ASTM C 1260
		Moment Frames	<input type="checkbox"/>		Alkali Reactivity of Aggregate
<input type="checkbox"/>	kk.	ASTM C 1293		ll.	ACI ITG-5.1
		Length Change due to Alkali-Silica Reaction	<input type="checkbox"/>		Post-Tensioned Precast Special Walls
<input type="checkbox"/>	mm.	ASTM C42		nn.	ASTM D 3039
		Concrete Core	<input type="checkbox"/>		Tensile Strength of FRP
<input type="checkbox"/>	oo.	ASTM D4541		pp.	ASTM A 1034
		Pull of Strength of FRP	<input type="checkbox"/>		Rebar Mechanical Splices
<input type="checkbox"/>					
<input type="checkbox"/>					
Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.					
Yes	Standard	Test Procedure	Yes	Standard	Test Procedure
<input checked="" type="checkbox"/>	aa.	ASTM C511		bb.	
		Mixing Rooms, Moist Cabinets, Moist Rooms, and Water Storage Tanks	<input type="checkbox"/>		
<input type="checkbox"/>	cc.			dd.	
			<input type="checkbox"/>		
<input type="checkbox"/>	ee.			ff.	
			<input type="checkbox"/>		

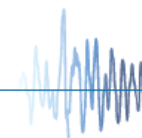




OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

3		MASONRY					
Tests							
Yes	Standard/Code Reference		Test Procedure	Yes	Standard/Code Reference		Test Procedure
<input checked="" type="checkbox"/>	a.	ASTM C 140	Dimensions	<input type="checkbox"/>	b.	ASTM C 140	Compressive Strength
<input checked="" type="checkbox"/>	c.	ASTM C 140	Absorption	<input checked="" type="checkbox"/>	d.	ASTM C 140	Unit Weight
<input checked="" type="checkbox"/>	e.	ASTM C 140	Moisture Content	<input type="checkbox"/>	f.	ASTM C 426	Linear Drying Shrinkage
<input type="checkbox"/>	g.	CBC 2105A.2.2.1.4	Mortar Sampling	<input type="checkbox"/>	h.	CBC 2105A.2.2.1.4	Grout Sampling
<input checked="" type="checkbox"/>	i.	ASTM C 1314	Prism Compressive Strength	<input checked="" type="checkbox"/>	j.	ASTM C 1019	Grout Compressive Strength
<input type="checkbox"/>	k.	ASTM C 780	Mortar Compressive Strength	<input type="checkbox"/>	l.	ASTM C 39	Core Compressive Strength
<input checked="" type="checkbox"/>	m.	CBC 2105A.4	Core Shear	<input type="checkbox"/>	n.	ASTM C 1314	Prism Sampling
Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.							
Yes	Standard/Code Reference		Test Procedure	Yes	Standard/Code Reference		Test Procedure
<input type="checkbox"/>	aa.			<input type="checkbox"/>	bb.		
<input type="checkbox"/>	cc.			<input type="checkbox"/>	dd.		
<input type="checkbox"/>	ee.			<input type="checkbox"/>	ff.		

4		STEEL					
Tests							
Yes	Standard/Code Reference		Test Procedure	Yes	Standard/Code Reference		Test Procedure
<input checked="" type="checkbox"/>	a.	ASTM A 370	Tension Test	<input checked="" type="checkbox"/>	b.	ASTM A 370	Bend
<input type="checkbox"/>	c.	ASTM E 10	Brinell Hardness	<input type="checkbox"/>	d.	ASTM E 18	Rockwell Hardness
<input type="checkbox"/>	e.	ASTM E 190	Guided Bend	<input type="checkbox"/>	f.	ASTM E 23	Charpy V - Notch
<input type="checkbox"/>	g.	ASTM A 90	Weight of Coating	<input type="checkbox"/>	h.	AISC 341 Section K2	Beam to Column Moment & EBF Connections Cyclic Tests
<input type="checkbox"/>	i.	AISC 341 Section K3	BRBF Cyclic Tests	<input type="checkbox"/>	j.	ASTM E 165	Liquid Penetrant
<input type="checkbox"/>	k.	ASTM E 1444	Magnetic Particle	<input type="checkbox"/>	l.	ASTM E 94	Radiographic
<input type="checkbox"/>	m.	ASTM E 164	Ultrasonic	<input checked="" type="checkbox"/>	n.	ASTM E 605	Density of SFRM
<input type="checkbox"/>	o.	CBC 2203A.1	Material Identification	<input type="checkbox"/>	P	ASTM F606	Bolt Tension Test
Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.							
Yes	Standard/Code Reference		Test Procedure	Yes	Standard/Code Reference		Test Procedure
<input type="checkbox"/>	aa.			<input type="checkbox"/>	bb.		
<input type="checkbox"/>	cc.			<input type="checkbox"/>	dd.		
<input type="checkbox"/>	ee.			<input type="checkbox"/>	ff.		





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

5	Wood and Roof Assemblies						
Tests							
Yes	Standard		Test Procedure	Yes	Standard		Test Procedure
<input type="checkbox"/>	a.	ASTM D 3617	Analysis of Built-Up Roof Systems	<input type="checkbox"/>	b.	ASTM D 4442	Moisture Content of Wood
<input type="checkbox"/>	c.	ASTM C 67	Brick and Structural Clay Roof Tiles				
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>							
<input type="checkbox"/>	aa.			<input type="checkbox"/>	bb.		
<input type="checkbox"/>	cc.			<input type="checkbox"/>	dd.		
<input type="checkbox"/>	ee.			<input type="checkbox"/>	ff.		

6	COMPONENT, ASSEMBLY AND PROTOTYPE TESTING						
Tests							
Yes	Standard/Code Reference		Test Procedure	Yes	Standard/Code Reference		Test Procedure
<input type="checkbox"/>	a.	AAMA 501.4	Static Test for Curtain Wall and Storefront Systems	<input type="checkbox"/>	b.	ICC-ES AC 156	Shake Table Test
<input type="checkbox"/>	c.	AAMA 501.6	Dynamic Test for Curtain Wall and Storefront Systems	<input type="checkbox"/>	d.	FM 1950	Seismic Sway Brace Testing
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>							
<input type="checkbox"/>	aa.			<input type="checkbox"/>	bb.		
<input type="checkbox"/>	cc.			<input type="checkbox"/>	dd.		
<input type="checkbox"/>	ee.			<input type="checkbox"/>	ff.		





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

List of Attachments Supporting the Testing Agency/Laboratory Approval (Submit Each Attachment as Separate PDF)

Yes	Enclosure Type
<input checked="" type="checkbox"/>	OSHPD Facilities Development Division (FDD) Payment Form (OSH-AD-367): http://www.oshpd.ca.gov/FDD/Forms/eSPForms/OSH-AD_367%20Facilities%20Development%20Division%20Payment%20Form.pdf
<input checked="" type="checkbox"/>	DSA-LEA Laboratory Qualification as posted at DSA website: https://www.apps.dgs.ca.gov/tracker/ApprovedLabs.aspx
<input checked="" type="checkbox"/>	Latest Copy of DSA 100: LEA Program Application as Submitted to DSA
<input checked="" type="checkbox"/>	Latest copy of DSA 220: LEA Program On-Site Assessment Report
<input checked="" type="checkbox"/>	Latest copy of DSA acceptance (letter) of the Lab. into the LEA program.
<input checked="" type="checkbox"/>	Current Accreditation Certificate(s) including List of Tests for which Laboratory is Accredited
<input type="checkbox"/>	Other (Please Specify):

OSHPD Approval

(For Office Use Only)

Signature:

Approval Date: 11/26/2014

Print Name: James C. Pan

Approval Expiration Date: 10/20/2016

Title: District Structural Engineer

Condition of approval (if applicable):

