
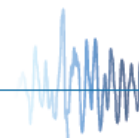




OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD PREAPPROVED LABORATORY (OPL)		For Office Use Only	
		Application #	OPL-0051-16
Name of Approved Agency/Laboratory Moore Twining Associates, Inc.	City Fresno	County Fresno	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 Harry Moore	Signature 	Position in the Organization President	
Agency/Laboratory Name Moore Twining Associates, Inc.		Application Date 6/29/2016	
Phone Number 559-268-7021		E-Mail harrym@mooretwinning.com	
Address of Facility Location (Each facility location requires separate application.)			
Street 2527 Fresno St.			
City: Fresno	County Fresno	State: CA	Zip Code: 93721
Facility Mailing Address (If different from facility address above.)			
Street			
City:		State:	Zip Code:
KEY PERSONNEL (Attach additional pages if needed.)			
Engineering Manager (or equivalent) – Name Harry Moore	CA Registration Number 35147	Expiration Date 09/30/2017	
Title in the Organization President	Phone Number 559-268-7021		
FAX Number 559-268-7126	E-Mail harrym@mooretwinning.com		
Alternate to Engineering Manager (if any) – Name Read Andersen	CA Registration Number 60725	Expiration Date 12/31/2016	
Title in the Organization Geotechnical Division Manager	Phone Number 559-268-7021		
FAX Number 559-268-7126	E-mail reada@mooretwinning.com		





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KEY PERSONNEL (Attach additional pages if needed.)

Laboratory Supervisor – Name Michael Shwiyhat	CA Registration Number (if any)	Expiration Date
Title in the Organization Materials Division Manager	Phone Number 559-268-7021	
FAX Number 559-268-7126	E-Mail michaels@mooretwinning.com	
Field Supervisor – Name Travis Meyer	CA Registration Number (if any)	Expiration Date
Title in the Organization Area Supervisor	Phone Number 559-268-7021	
FAX Number 559-268-7126	E-mail travism@mooretwinning.com	

ACCREDITATION

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

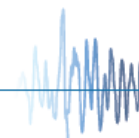
- | | |
|--|--|
| <input checked="" type="checkbox"/> AASHTO Accreditation Program (AAP) | <input type="checkbox"/> National Voluntary Laboratory Accreditation Program (NVLAP) |
| <input type="checkbox"/> International Accreditation Service (IAS) | <input type="checkbox"/> American Association of Laboratories 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: __ 11/29/2016 _____

Basis for accreditation:

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



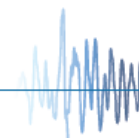


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STANDARDS

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.**

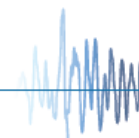
1 SOILS AND FOUNDATIONS							
Tests							
Yes	Standard	Test Procedure	Yes	Standard	Test Procedure		
<input checked="" type="checkbox"/>	a.	ASTM D 2487	Classification of Soils	<input checked="" type="checkbox"/>	b.	ASTM D 422	Particle Size Analysts
<input checked="" type="checkbox"/>	c.	ASTM D 2216	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 Pizcone 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 checked="" 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 checked="" type="checkbox"/>	o.	ASTM D 3080	Direct Shear	<input checked="" 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 checked="" type="checkbox"/>	aa.	ASTM D 2844	Resistance R-Value	<input checked="" type="checkbox"/>	bb.	ASTM D 558	Moisture Density of Soil Cement
<input checked="" type="checkbox"/>	cc.	ASTM D 698	Lab Compaction Characteristic of Soil	<input checked="" type="checkbox"/>	dd.	ASTM D 883	California Bearing Ratio
<input checked="" type="checkbox"/>	ee.	ASTM D 5084	Hydraulic Conductivity	<input checked="" type="checkbox"/>	ff.	ASTM D 2435	One-Dimensional Consolidation
<input checked="" type="checkbox"/>	gg.	ASTM D 854	Specific Gravity of Soil Solids	<input type="checkbox"/>	hh.		





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2 CONCRETE						
Tests						
Yes	Standard	Test Procedure	Yes	Standard	Test Procedure	
<input checked="" type="checkbox"/>	a. ASTM D 75	Sampling Aggregate	<input checked="" type="checkbox"/>	b. ASTM C 702	Reducing Aggregate Samples	
<input checked="" type="checkbox"/>	c. ASTM C 40	Organic Impurities	<input checked="" type="checkbox"/>	d. ASTM C 29	Unit Weight / Voids	
<input checked="" type="checkbox"/>	e. ASTM C 88	Sodium Sulfate Soundness	<input checked="" type="checkbox"/>	f. ASTM C 566	Moisture Content	
<input checked="" type="checkbox"/>	g. ASTM C 142	Clay / Friable Particles	<input checked="" type="checkbox"/>	h. ASTM C 127	Specific Gravity - Coarse	
<input checked="" type="checkbox"/>	i. ASTM C 128	Specific Gravity - Fine	<input checked="" type="checkbox"/>	j. ASTM C 117	No. 200 Wash	
<input checked="" type="checkbox"/>	k. ASTM C 136	Sieve Analysis Course / Fine	<input checked="" type="checkbox"/>	l. ASTM C 131	Degradation of Aggregate	
<input checked="" type="checkbox"/>	m. ASTM D 2419	Sand Equivalent Value	<input checked="" type="checkbox"/>	n. ASTM C 31, C 172, CBC 1905A.1.2	Concrete Sampling - Field	
<input checked="" type="checkbox"/>	o. ASTM C 192	Making / Curing Specimens - Lab	<input checked="" type="checkbox"/>	p. ASTM C 173	Air Content (V)	
<input type="checkbox"/>	q. ASTM C 1602	Water	<input type="checkbox"/>	r. ASTM C1604	Shotcrete Core	
<input type="checkbox"/>	s. ACI 355.2	Mechanical Anchors	<input checked="" type="checkbox"/>	t. ASTM C 231	Air Content (P)	
<input checked="" type="checkbox"/>	u. ASTM C 143	Slump	<input checked="" type="checkbox"/>	v. ASTM C 1064	Temperature	
<input checked="" type="checkbox"/>	w. ASTM C 617	Capping Concrete Specimens	<input checked="" type="checkbox"/>	x. ASTM C 1231	Unbonded Caps	
<input checked="" type="checkbox"/>	y. ASTM C 39	Compressive Strength	<input checked="" type="checkbox"/>	z. ASTM C 157	Length Change	
<input checked="" type="checkbox"/>	aa. ASTM C 78	Flexural Strength	<input type="checkbox"/>	bb. ASTM C 496	Splitting Tensile	
<input checked="" type="checkbox"/>	cc. ASTM C 42	Drilled Cores / Beams	<input checked="" type="checkbox"/>	dd. ASTM C 138	Weight / Yield / Air Content	
<input type="checkbox"/>	ee. ASTM C 495	Lightweight Concrete	<input type="checkbox"/>	ff. ASTM C 567	Density of Lightweight Aggregate	
<input type="checkbox"/>	gg. ASTM E 488	Strength of Anchors	<input type="checkbox"/>	hh. ACI 355.4	Adhesive Anchors	
<input type="checkbox"/>	ii. ACI 374.1	Moment Frames	<input type="checkbox"/>	jj. ASTM C 1260	Alkali Reactivity of Aggregate	
<input type="checkbox"/>	kk. ASTM C 1293	Length Change due to Alkali-Silica Reaction	<input type="checkbox"/>	ll. ACI ITG-5.1	Post-Tensioned Precast Special Walls	
<input checked="" type="checkbox"/>	mm. ASTM C 42	Concrete Core	<input type="checkbox"/>	nn. ASTM D 3039	Tensile Strength of FRP	
<input type="checkbox"/>	oo. ASTM D 4541	Pull of Strength of FRP	<input checked="" type="checkbox"/>	pp. ASTM A 1034	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 type="checkbox"/>	aa.		<input type="checkbox"/>	bb.		
<input type="checkbox"/>	cc.		<input type="checkbox"/>	dd.		
<input type="checkbox"/>	ee.		<input type="checkbox"/>	ff.		





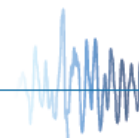
4	STEEL						
	Tests						
Yes	Standard/Code Reference		Test Procedure	Yes	Standard/Code Reference		Test Procedure
<input checked="" type="checkbox"/>	a.	ASTM A 370	Tension Test	<input checked="" type="checkbox"/>	b.	ASTM A 370	Bend
<input type="checkbox"/>	c.	ASTM E 10	Brinell Hardness	<input type="checkbox"/>	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 checked="" type="checkbox"/>	k.	ASTM E 1444	Magnetic Particle	<input type="checkbox"/>	l.	ASTM E 94	Radiographic
<input checked="" type="checkbox"/>	m.	ASTM E 164	Ultrasonic	<input checked="" type="checkbox"/>	n.	ASTM E 605	Density of SFRM
<input checked="" 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.		



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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				
Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.							
<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
Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.							
<input type="checkbox"/>	aa.			<input type="checkbox"/>	bb.		
<input type="checkbox"/>	cc.			<input type="checkbox"/>	dd.		
<input type="checkbox"/>	ee.			<input type="checkbox"/>	ff.		





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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): Appl
<input checked="" type="checkbox"/>	DSA-LEA Laboratory Qualification as posted at DSA website: https://www.apps.dgs.ca.gov/tracker/ApprovedLabs.aspx
<input type="checkbox"/>	Latest Copy of DSA 100: LEA Program Application as Submitted to DSA
<input 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 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: 07/29/2016

Print Name: James C. Pan

Approval Expiration Date: 11/29/2016

Title: District Structural Engineer

Condition of approval (if applicable):

