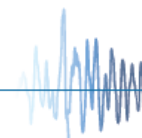




OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD PREAPPROVED LABORATORY (OPL)		For Office Use Only	
		Application #	OPL-0046-16
Name of Approved Agency/Laboratory Twining, Inc.	City Sacramento	County Sacramento	State CA
APPLICATION TYPE / FEE			
Application is based on:	New Application Fee (Fees are Nonrefundable)	Renewal Fee (Fees are Nonrefundable)	
☐ DSA-LEA Approved Only	☐ \$250.00	☐ \$250.00	
☐ Accreditation Only	☐ \$500.00	☐ \$250.00	
☒ Both DSA-LEA Approved and Accreditation	☒ \$500.00	☐ \$250.00	
APPLICANT INFORMATION			
Applicant Name Josh Noegel	Signature 	Position in the Organization Sacramento Branch Manager	
Agency/Laboratory Name Twining, Inc.		Application Date 03/30/16	
Phone Number 916.649.9000		E-Mail jnoegel@twininginc.com	
Address of Facility Location (Each facility location requires separate application.)			
Street 1572 Santa Ana Avenue			
City: Sacramento	County Sacramento	State: CA	Zip Code: 95838
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 Hanh Hong	CA Registration Number RCE 67021	Expiration Date 9/30/16	
Title in the Organization Project Engineer	Phone Number 916.649.9000		
FAX Number 916.921.8532	E-Mail hhong@twininginc.com		
Alternate to Engineering Manager (if any) – Name	CA Registration Number	Expiration Date	
Title in the Organization	Phone Number		
FAX Number	E-mail		





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KEY PERSONNEL (Attach additional pages if needed.)

Laboratory Supervisor – Name Tom Carter	CA Registration Number (if any)	Expiration Date
Title in the Organization Lab Manager/Technical Manager	Phone Number 916.649.9000	
FAX Number 916.921.8532	E-Mail tcarter@twininginc.com	
Field Supervisor – Name Mike Stacks	CA Registration Number (if any)	Expiration Date
Title in the Organization Field Technician Supervisor	Phone Number 916.649.9000	
FAX Number 916.921.8532	E-mail mstacks@twininginc.com	

ACCREDITATION

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

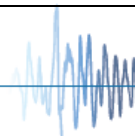
- ☒ AASHTO Accreditation Program (AAP) ☐ National Voluntary Laboratory Accreditation Program (NVLAP)
☐ International Accreditation Service (IAS) ☐ American Association of Laboratories Program (A2LA)
☐ Laboratory Accreditation Program (LAB) ☐ Construction Materials Engineering Council (CMEC)
☒ Other Caltrans, USACE

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: 9/15/16

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)*



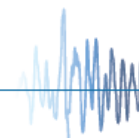


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STANDARDS

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.**

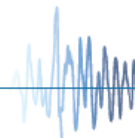
1	SOILS AND FOUNDATIONS						
Tests							
Yes	Standard		Test Procedure	Yes	Standard		Test Procedure
X	a.	ASTM D 2487	Classification of Soils	☐	b.	ASTM D 422	Particle Size Analysts
X	c.	ASTM D 2216	Moisture Content	X	d.	ASTM D 4318	Liquid / Plastic Limit
☐	e.	ASTM D 2850	Unconsolidated, Undrained Triaxial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





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2		CONCRETE			
Tests					
Yes	Standard	Test Procedure	Yes	Standard	Test Procedure
X	a.	ASTM D 75	X	b.	ASTM C 702
X	c.	ASTM C 40	X	d.	ASTM C 29
☐	e.	ASTM C 88	X	f.	ASTM C 566
X	g.	ASTM C 142	X	h.	ASTM C 127
X	i.	ASTM C 128	X	j.	ASTM C 117
X	k.	ASTM C 136	☐	l.	ASTM C 131
X	m.	ASTM D 2419	X	n.	ASTM C 31, C 172, CBC 1905A.1.2
X	o.	ASTM C 192	X	p.	ASTM C 173
☐	q.	ASTM C 1602	☐	r.	ASTM C1604
☐	s.	ACI 355.2	X	t.	ASTM C 231
X	u.	ASTM C 143	X	v.	ASTM C 1064
X	w.	ASTM C 617	X	x.	ASTM C 1231
X	y.	ASTM C 39	☐	z.	ASTM C 157
X	aa.	ASTM C 78	☐	bb.	ASTM C 496
☐	cc.	ASTM C 42	X	dd.	ASTM C 138
☐	ee.	ASTM C 495	☐	ff.	ASTM C 567
☐	gg.	ASTM E 488	☐	hh.	ACI 355.4
☐	ii.	ACI 374.1	☐	jj.	ASTM C 1260
☐	kk.	ASTM C 1293	☐	ll.	ACI ITG-5.1
X	mm.	ASTM C 42	☐	nn.	ASTM D3039
☐	oo.	ASTM D 4541	☐	pp.	ASTM A1034
☐					
☐					
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
☐	aa.		☐	bb.	
☐	cc.		☐	dd.	
☐	ee.		☐	ff.	

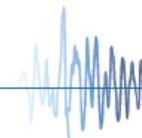




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3							MASONRY						
Tests													
Yes	Standard/Code Reference		Test Procedure		Yes	Standard/Code Reference		Test Procedure					
☐	a.	ASTM C 140	Dimensions		☐	b.	ASTM C 140	Compressive Strength					
☐	c.	ASTM C 140	Absorption		☐	d.	ASTM C 140	Unit Weight					
☐	e.	ASTM C 140	Moisture Content		☐	f.	ASTM C 426	Linear Drying Shrinkage					
☐	g.	CBC 2105A.2.2.1.4	Mortar Sampling		☐	h.	CBC 2105A.2.2.1.4	Grout Sampling					
☐	i.	ASTM C 1314	Prism Compressive Strength		☐	j.	ASTM C 1019	Grout Compressive Strength					
☐	k.	ASTM C 780	Mortar Compressive Strength		☐	l.	ASTM C 39	Core Compressive Strength					
☐	m.	CBC 2105A.4	Core Shear		☐	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					
☐	aa.				☐	bb.							
☐	cc.				☐	dd.							
☐	ee.				☐	ff.							

4							STEEL						
Tests													
Yes	Standard/Code Reference		Test Procedure		Yes	Standard/Code Reference		Test Procedure					
☐	a.	ASTM A 370	Tension Test		☐	b.	ASTM A 370	Bend					
☐	c.	ASTM E 10	Brinell Hardness		☐	d.	ASTM E 18	Rockwell Hardness					
☐	e.	ASTM E 190	Guided Bend		☐	f.	ASTM E 23	Charpy V - Notch					
☐	g.	ASTM A 90	Weight of Coating		☐	h.	AISC 341 Section K2	Beam to Column Moment & EBF Connections Cyclic Tests					
☐	i.	AISC 341 Section K3	BRBF Cyclic Tests		☐	j.	ASTM E 165	Liquid Penetrant					
☐	k.	ASTM E 1444	Magnetic Particle		☐	l.	ASTM E 94	Radiographic					
☐	m.	ASTM E 164	Ultrasonic		☐	n.	ASTM E 605	Density of SFRM					
☐	o.	CBC 2203A.1	Material Identification		☐	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					
☐	aa.				☐	bb.							
☐	cc.				☐	dd.							
☐	ee.				☐	ff.							

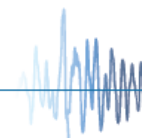




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5	Wood and Roof Assemblies						
Tests							
Yes	Standard		Test Procedure	Yes	Standard		Test Procedure
☐	a.	ASTM D 3617	Analysis of Built-Up Roof Systems	☐	b.	ASTM D 4442	Moisture Content of Wood
☐	c.	ASTM C 67	Brick and Structural Clay Roof Tiles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

6	COMPONENT, ASSEMBLY AND PROTOTYPE TESTING						
Tests							
Yes	Standard/Code Reference		Test Procedure	Yes	Standard/Code Reference		Test Procedure
☐	a.	AAMA 501.4	Static Test for Curtain Wall and Storefront Systems	☐	b.	ICC-ES AC 156	Shake Table Test
☐	c.	AAMA 501.6	Dynamic Test for Curtain Wall and Storefront Systems	☐	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>							
☐	aa.			☐	bb.		
☐	cc.			☐	dd.		
☐	ee.			☐	ff.		





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

Yes	Enclosure Type
X	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
X	DSA-LEA Laboratory Qualification as posted at DSA website: https://www.apps.dgs.ca.gov/tracker/ApprovedLabs.aspx
X	Latest Copy of DSA 100: LEA Program Application as Submitted to DSA
X	Latest copy of DSA 220: LEA Program On-Site Assessment Report
X	Latest copy of DSA acceptance (letter) of the Lab. into the LEA program.
X	Current Accreditation Certificate(s) including List of Tests for which Laboratory is Accredited
☐	Other (Please Specify):

OSHPD Approval

(For Office Use Only)

Signature:

Approval Date: 04/26/2016

Print Name: James C. Pan

Approval Expiration Date: 09/15/2016

Title: District Structural Engineer

Condition of approval (if applicable):

