



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI PREAPPROVED AGENCY (OPAA) FOR STRUCTURAL TESTS AND SPECIAL INSPECTIONS			OFFICE USE ONLY	
			OPAA-0011	
Approved Agency	City	County	State	ZIP Code
TWINING	RIVERSIDE	Riverside	CA	92501
APPLICATION TYPE				
Combined Testing AND Special Inspection Agency				
APPLICANT INFORMATION				
Applicant Name Lee Bainer		Position in the Organization Laboratory Supervisor		
Agency's Local Name Twining Inc.		Application Date 3/18/2026		
Phone Number (909) 383-6660		E-mail LBAINER@TWININGINC.COM		
Address of Facility Location (Each facility location requires separate application.)				
Street 111 MAIN STREET, UNIT A				
City RIVERSIDE		County Riverside	State CA	Zip Code 92501
Facility Mailing Address				
Street 111 Main Street, Unit A				
City Riverside		State CA	Zip Code 92501-	
Key Agency Personnel				
Engineering Manager - Name Sammy Daghighi		CA Registration Number CE80840	Expiration Date 03/31/2023	
Title in the Organization Branch Manager		Phone Number (909) 915-2051		
Alternate Phone Number		E-Mail sdaghighi@twininginc.com		
Key Agency Personnel				
Alternate Engineering Manager - Name		CA Registration Number	Expiration Date	
Title in the Organization		Phone Number		
Alternate Phone Number		E-Mail		



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Key Agency Personnel

Geotechnical Engineering Contact - Name	CA Registration Number	Expiration Date
Title in the Organization	Phone Number	
Alternate Phone Number	E-Mail	

Key Testing Personnel

Testing Supervisor - Name Lee Bainer	CA Registration Number	Expiration Date
Title in the Organization Laboratory Supervisor	Phone Number (909) 383-6660	
Alternate Phone Number	E-Mail lbainer@twininginc.com	

Key Testing Personnel

Field Testing Supervisor - Name Matt Bauduin	CA Registration Number	Expiration Date
Title in the Organization Field Supervisor	Phone Number (951) 760-6088	
Alternate Phone Number	E-Mail mbauduin@twininginc.com	

Key Special Inspections Personnel

Special Inspection Supervisor - Name Robert M Ryan	CA Registration Number	Expiration Date
Title in the Organization Technical Advisor, CEO	Phone Number (909) 383-6660	
Alternate Phone Number	E-Mail rryan@twininginc.com	

Key Special Inspections Personnel

Field Special Inspection Supervisor - Name Matt Bauduin	CA Registration Number	Expiration Date
Title in the Organization Field Supervisor	Phone Number (951) 760-6088	
Alternate Phone Number	E-Mail mbauduin@twininginc.com	



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ACCREDITATION AND QUALIFICATIONS

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

AASHTO Accreditation Program (AAP)
CCRL

Latest Expiration Date *(if any)* _____

Is this Agency accepted in the Division of the State Architect Laboratory Evaluation and Acceptance Program, DSA-LEA?

☐ No ☒ Yes

Expiration Date 10/02/2028

LEA # 288

Basis for accreditation

- ☒ 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

Basis for Test Technician/Special Inspector Qualification

- ☒ DSA-LEA approval as test Technician/special inspector
- ☒ Certification listed in IAS AC 291 Table 1: Minimum Qualifications for Special Inspectors
- ☒ Welding inspectors satisfying the requirements of the CBC Section 1705A.2.5



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APPLICABLE TEST STANDARDS FOR WHICH AGENCY IS APPROVED

1	SOILS AND FOUNDATIONS
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Tests

Standard	Test Procedure	Standard	Test Procedure
ASTM D698	Compaction of Soil-Standard	ASTM D2488	Identification of Soil (Visual)
ASTM D1140	No. 200 Wash	ASTM D2844	Resistance R-Value & Exp. Pressure
ASTM D1556	Density of Soils – Sand Cone	ASTM D3744	Durability Index
ASTM D1557	Soil Compaction – Modified	ASTM D4318	Liquid I Plastic Limit
ASTM D2216	Water Content of Soil	ASTM D4643	Microwave Moisture of Soils
ASTM D2419	Sand Equivalent Value	ASTM D4829	Expansion Index
ASTM D2487	Classification of Soils	ASTM D6938	Density of Soils – Nuclear Gage

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

Standard	Test Procedure	Standard	Test Procedure

2	CONCRETE
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Tests

Standard	Test Procedure	Standard	Test Procedure
ASTM C29	Unit Weight I Voids	ASTM C702	Reducing Aggregate Samples
ASTM C31	Concrete Sampling - Field	ASTM C1064	Temperature
ASTM C39	Compressive Strength	ASTM C1231	Unbonded Caps
ASTM C40	Organic Impurities	ASTM C1252	Uncompacted Void Content
ASTM C42	Concrete Core	ASTM D75	Sampling Aggregate
ASTM C78	Flexural Strength	ASTM D1560	Stabilometer Value
ASTM C117	No. 200 Wash	ASTM D1561	Prep for HMA Test Specimens
ASTM C127	Specific Gravity - Coarse	ASTM D2041	Maximum Theo. Specific Gravity
ASTM C128	Specific Gravity - Fine	ASTM D2419	Sand Equivalent Value
ASTM C136	Sieve Analysis Course I Fine	ASTM D2726	Specific Gravity of Marshall Sample
ASTM C138	Density I Yield I Air Content	ASTM D3203	Percent Air Voids in Compacted Asphalt Mixtures
ASTM C142	Clay I Friable Particles	ASTM D3744	Aggregate Durability Index
ASTM C143	Slump	ASTM D4791	Flat Elongated Pieces in Aggregate
ASTM C172	Sampling Freshly Mixed Concrete	ASTM D5444	Sieve Analysis of Extracted Aggregate
ASTM C173	Air Content (V)	ASTM D5821	Percent Crushed Particles
ASTM C231	Air Content (P)	ASTM D6307	Asphalt Content by Ignition
ASTM C511	Moist Cure Rooms/Tanks	ASTM D6926	Prep of Asphalt Mixture Specimens Using Marshal Apparatus
ASTM C566	Moisture Content of Aggregate	ASTM D6927	Marshall Stability & Flow of Asphalt Mixtures

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2	CONCRETE		
Tests			
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
Standard	Test Procedure	Standard	Test Procedure
3	MASONRY		
Tests			
Standard	Test Procedure	Standard	Test Procedure
ASTM C39	Core Compressive Strength	ASTM C1019	Sampling and Testing Grout (Compressive Strength)
ASTM C140	Absorption, Compressive Strength, Unit Weight, Dimensions & Moisture Content	CBC 2105A	Mortar Sampling
ASTM C780	Mortar Compressive Strength		
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
Standard	Test Procedure	Standard	Test Procedure
4	STEEL		
Tests			
Standard	Test Procedure	Standard	Test Procedure
CBC 2203A	Material Identification	ASTM E605	Density of SFRM
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
Standard	Test Procedure	Standard	Test Procedure
5	WOOD AND ROOF ASSEMBLIES		
Tests			
Standard	Test Procedure	Standard	Test Procedure
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
Standard	Test Procedure	Standard	Test Procedure
6	COMPONENT, ASSEMBLY, PROTOTYPE & MISCELLANEOUS		
Tests			
Standard	Test Procedure	Standard	Test Procedure
<i>Tests that are in the lab's scope but are not listed above should be provided in the space(s) below.</i>			
Standard	Test Procedure	Standard	Test Procedure



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7		TEST TECHNICIANS			
* To update expiration date a renewal application for OPAA and proof of renewal for certification/license shall be required.					
Test Technician's Name	Certification/ License type	Certification/ Licensing Agency	Certification/ License Number	Expiration Date*	Indicate Full Time, Part Time, or Consultant
Lee Bainer	Aggregate Base Testing Technician	ACI	01085825	02/21/2028	Full-Time
Lee Bainer	Concrete Strength Testing Technician	ACI	01085825	03/19/2030	Full-Time
Bryan Dorsch	Concrete Strength Testing Technician	ACI	1370868	10/28/2029	Full-Time
Bryan Dorsch	Concrete Laboratory Testing Technician - Level 1	ACI	1370868	10/28/2029	Full-Time
Bryan Dorsch	Aggregate Testing Technician - Level 1	ACI	1370868	10/23/2029	Full-Time
Nickolas Logan	Concrete Strength Testing Technician	ACI	2175375	05/23/2027	Part-Time
Nickolas Logan	Aggregate Base Testing Technician	ACI	2175375	02/21/2028	Part-Time
Test Technicians with expired license shall not be permitted to perform Tests.					

BY: Chris Davis

DATE: 08/25/2026



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APPLICABLE SPECIAL INSPECTIONS FOR WHICH AGENCY IS APPROVED			
8	SOILS AND FOUNDATIONS		
Special Inspections			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
CBC 1705/1705A	Cast-in-place Deep Foundations	CBC 1705/1705A	Driven Deep Foundations
CBC 1705/1705A	Soils (Excavations and Fills)		
Special Inspections that are in the lab's scope but are not listed above should be provided in the space(s) below.			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
9	CONCRETE		
Special Inspections			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
CBC 1705/1705A & ACI 318	Pre-Stressed Concrete	CBC 1705/1705A & ACI 318	Reinforced Cast-In-Place Concrete
CBC 1705/1705A & ACI 318	Reinforced Pre-Cast Concrete	CBC 1705/1705A & AWS D1.4	Rebar Welding
CBC 1705/1705A and ASTM C94	Batch Plant		
Special Inspections that are in the lab's scope but are not listed above should be provided in the space(s) below.			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
10	MASONRY		
Special Inspections			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
CBC 1705/1705A & TMS 602	Masonry Placement		
Special Inspections that are in the lab's scope but are not listed above should be provided in the space(s) below.			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
Other	CBC Table 1704A.4.2 - Batchplant (Continuous)		
11	STEEL		
Special Inspections			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
CBC 1705/1705A	Fireproofing	CBC 1705/1705A, AISC 360 & 341	High Strength Bolts
CBC 1705/1705A, AWS QC1, AISC 360 & 341	Welding		



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11	STEEL		
Special Inspections			
Special Inspections that are in the lab's scope but are not listed above should be provided in the space(s) below.			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
12	WOOD AND ROOF ASSEMBLIES		
Special Inspections			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
Special Inspections that are in the lab's scope but are not listed above should be provided in the space(s) below.			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
13	NONSTRUCTURAL COMPONENTS AND MISCELLANEOUS SPECIAL INSPECTIONS		
Special Inspections			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection
Special Inspections that are in the lab's scope but are not listed above should be provided in the space(s) below.			
Code/Standard	Field and Types of Inspection	Code/Standard	Field and Types of Inspection

BY: Chris Davis

DATE: 08/25/2026



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14	SPECIAL INSPECTORS				
* To update expiration date a renewal application for OPAA and proof of renewal for certification/license shall be required.					
Inspector's Name	Certification/ License type	Certification/ Licensing Agency	Certification/ License Number	Expiration Date*	Indicate Full Time, Part Time, or Consultant
John Murbarger	Reinforced Concrete Special Inspector	ICC	8394875	11/24/2027	Full-Time
John Murbarger	Structural Steel and Bolting Special Inspector	ICC	8394875	11/24/2027	Full-Time
John Murbarger	Structural Masonry Special Inspector	ICC	8394875	11/24/2027	Full-Time
John Murbarger	Soils Special Inspector	ICC	8394875	11/24/2027	Full-Time
Rick Neely	Structural Masonry Special Inspector	ICC	8113201	05/14/2029	Full-Time
Rick Neely	Structural Steel and Bolting Special Inspector	ICC	8113201	05/14/2029	Full-Time
Rick Neely	Certified Welding Inspector (CWI)	AWS	21097781	09/01/2027	Full-Time
Rick Neely	Master of Special Inspection	ICC	8113201	07/16/2027	Full-Time
Rick Neely	Reinforced Concrete Special Inspector	ICC	8113201	07/16/2027	Full-Time
Rick Neely	Structural Welding Special Inspector	ICC	8113201	03/07/2027	Full-Time
Dustin Rogers	Master of Special Inspection	ICC	8147508	07/15/2027	Full-Time
Dustin Rogers	Soils Special Inspector	ICC	8147508	07/15/2027	Full-Time
Dustin Rogers	Spray Applied Fire Proofing Special Inspector	ICC	8147508	07/15/2027	Full-Time
Dustin Rogers	Structural Steel and Bolting Special Inspector	ICC	8147508	07/15/2027	Full-Time
Dustin Rogers	Prestressed Concrete Special Inspector	ICC	8147508	07/15/2027	Full-Time
Dustin Rogers	Structural Welding Special Inspector	ICC	8147508	07/15/2027	Full-Time
Dustin Rogers	Reinforced Concrete Special Inspector	ICC	8147508	07/15/2027	Full-Time
Dustin Rogers	Structural Masonry Special Inspector	ICC	8147508	07/15/2027	Full-Time

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14	SPECIAL INSPECTORS				
* To update expiration date a renewal application for OPAA and proof of renewal for certification/license shall be required.					
Inspector's Name	Certification/ License type	Certification/ Licensing Agency	Certification/ License Number	Expiration Date*	Indicate Full Time, Part Time, or Consultant
Dustin Rogers	Certified Welding Inspector (CWI)	AWS	15031121	03/01/2027	Full-Time
David Scherer	Soils Special Inspector	ICC	8358116	02/16/2028	Full-Time
David Scherer	Structural Masonry Special Inspector	ICC	8358116	02/16/2028	Full-Time
David Scherer	Prestressed Concrete Special Inspector	ICC	8358116	02/16/2028	Full-Time
David Scherer	Reinforced Concrete Special Inspector	ICC	8358116	02/16/2028	Full-Time
Brandon Schroeder	Reinforced Concrete Special Inspector	ICC	10084812	01/18/2028	Full-Time
Shawn Snowdale	Prestressed Concrete Special Inspector	ICC	8897539	10/11/2027	Full-Time
Shawn Snowdale	Reinforced Concrete Special Inspector	ICC	8897539	01/10/2028	Full-Time
Shawn Snowdale	Soils Special Inspector	ICC	8897539	11/10/2027	Full-Time
Shawn Snowdale	Structural Steel and Bolting Special Inspector	ICC	8897539	11/10/2027	Full-Time
Shawn Snowdale	Structural Masonry Special Inspector	ICC	8897539	11/10/2027	Full-Time
Special Inspectors with expired license shall not be permitted to perform Tests.					



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15	SUMMARY OF AGENCY'S TESTING AND SPECIAL INSPECTION SERVICES	
Structural Tests & Special Inspections		
Structural Tests		Structural Special Inspections
Aggregate		Batch Plant
Concrete		Deep Foundations
Masonry		Earthwork
Post-Installed Anchors		High-Strength Bolts and other Fasteners
Soil		Masonry
Steel		Pre-Cast Concrete
		Pre-Stressed Concrete
		Reinforced Concrete
		Spray Applied Fireproofing
		Steel Welding
Tests and Special Inspections that are in the Agency's scope but are not listed above should be provided in the space(s) below.		
HCAI Approval (For Office Use Only)		
Print Name:	Chris Davis	Approval Date: 08/25/2026
Title:	District Structural Engineer	Approval Expiration Date: 10/02/2028
Condition of approval (if applicable):		