



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

CALTRANS STRUCTURAL MATERIALS TESTING LABORATORY
5900 Folsom Blvd
Sacramento, CA 95819
Paul Lukkarila Phone: 916 227 7253

MECHANICAL

Valid To: June 30, 2019

Certificate Number: 2364.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on coatings, fasteners, metals and alloys, and rubber and rubber products:

<u>Test</u>	<u>Test Method(s)</u>
<u>Rubber and Rubber Products</u>	
Tensile	ASTM D412, Method A
Tear	ASTM D624, Type C
Hardness (Durometer Type A)	ASTM D2240
Elongation	ASTM D412
Movement Rating	CT 673
Recovery Test	ASTM D2628
<u>Steel/Iron</u>	
Impact (Charpy)	ASTM A370, E23
<u>Fasteners</u>	
Fastener Tensile, Wedge & Axial (Up to 400 kips)	ASTM F606/F606M, E8/E8M
Machined Tensile	
Proof Load (Nuts Only)	ASTM F606/F606M
Zinc Coating Thickness	ASTM B499
<u>Prestressing Steel Strand</u>	
Tensile/Yield/Elongation (Up to 120 kips)	ASTM A370, A1061/A1061M, E8/E8M
<u>Hardness</u>	
Rockwell (B, C)	ASTM F606/F606M, E18

Test

Test Method(s)

Spliced Reinforcing Steel

Slip	CT 670
Fatigue	CT 670
Cyclic	CT 670
Tensile	CT 670

Epoxy-Coating Measurement

Coating Thickness	ASTM A775/A775M, A884/A884M, A934/A934M CT 687
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Holiday Measurement	ASTM A775/A775M, A884/A884M, A934/A934M CT 685
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Bend Test	ASTM A775/A775M, A884/A884M, A934/A934M CT 686
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Wire Mesh

Shear Test (On Weld)	ASTM A1064/A1064M
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Metallography

Preparation of Samples	ASTM E3
Macroetching	ASTM E340

Wire Rope

Tensile	ASTM A931
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Dimensional Testing¹:

Parameter	Range	Technique	Standards
Thread Pitch Diameter	(0.25 to 3.00) in (0.25 to 3.00) in (0.25 to 3.00) in	Pitch micrometer Plug gage Ring gage	ANSI/ASME B1.2 ANSI/ASME B1.2 ANSI/ASME B1.2

¹ This laboratory offers commercial dimensional testing service only.





Accredited Laboratory

A2LA has accredited

CALTRANS STRUCTURAL MATERIALS TESTING LABORATORY

Sacramento, CA

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).

Presented this 30th day of June 2017.

A handwritten signature in black ink, appearing to read 'L. Sen', is written over a horizontal line.

President & CEO
For the Accreditation Council
Certificate Number 2364.01
Valid to June 30 , 2019



For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.