



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CALTRANS STRUCTURAL MATERIALS TESTING LABORATORY

5900 Folsom Blvd

Sacramento, CA 95819

Paul Lukkarila Phone: 916 227 7253

MECHANICAL

Valid To: July 31, 2025

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 types of tests on coatings, fasteners, metals and alloys, and rubber and rubber products:

Test

Test Method(s)

Rubber and Rubber Products

Tensile
Tear
Hardness (Durometer Type A)
Elongation
Movement Rating
Recovery Test

ASTM D412, Method A
ASTM D624, Type C
ASTM D2240
ASTM D412
CT 673
ASTM D2628

Steel/Iron

Impact (Charpy)

ASTM A370, E23

Fasteners

Fastener Tensile, Wedge & Axial (Up to 400 kips)
Machined Tensile
Proof Load (Nuts Only)
Zinc Coating Thickness

ASTM F606/F606M, E8/E8M
ASTM F606/F606M
ASTM B499

Prestressing Steel Strand

Tensile/Yield/Elongation (Up to 120 kips)

ASTM A370, A1061/A1061M, E8/E8M

Hardness

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

Holiday Measurement ASTM A775/A775M, A884/A884M,
A934/A934M CT 685

Bend Test ASTM A775/A775M, A884/A884M,
A934/A934M CT 686

Wire Mesh

Shear Test (On Weld) ASTM A1064/A1064M

Metallography

Preparation of Samples ASTM E3
Macroetching ASTM E340

Wire Rope

Tensile ASTM A931

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 17025:2017 *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 April 2017).



Presented this 24th day of May 2023.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2364.01
Valid to July 31, 2025

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