

Equipment List for Verifications & Calibrations Spring 2024

See Notes next page. List Updated 6/24

Unit & No.	Equipment	Make	Model / Type	Ser. No. I.D. No.	Capacity	Calibration Requirements
LB-06	Flow Meter	Manostat		448-324 1010420		AASHTO R 18 & T 240. Follow manufacturer's procedures.
LB-07	Gyratory Compactor	Pine Instrument Co.	AFG2A	9174		AASHTO R 18 & T 312. Follow manufacturer's procedures.
LB-07a	Molds, Gyratory	Pine Instrument Co.	AFG-IMI5	C230309		AASHTO R 18 & T 312. Follow manufacturer's procedures
LB-07b	Molds, Gyratory	Pine Instrument Co.	AFG-IMI5			AASHTO R 18 & T 312. Follow manufacturer's procedures. To be purchased before Spring 2024.
LB-11	Pressure Aging Vessel	Prentex	Model 9500 PAV	95886 DL 10617		AASHTO R 18 & R 28. New Replacement Feb 2017 (Every 6 Months Calibration)
LB-12	Proving Ring	Pine Instrument		1366	5,000 lb	ASTM E 74.
LB-15	Rolling Thin Film Oven	James Cox & Sons	CS-325A	0369-97B DL 102096		AASHTO R 18 & T 240.
LB-19	Gyratory Blocks	Fowler	1-2-3 Blocks	A1,A2, B1,B2		
LB-TM1	Timing Device – Stopwatch	VWR	62379-036	181076106		
LB-TM2	Timing Device – Stopwatch	VWR	62379-218	160469920		
LG-02r	Balance	AND	8100G	T0328211	8000 g	ASTM E898 and AASHTO M231 (Class G1)
LG-23	Digital Caliper	Mitutoyo	CD-6CS	0662921	6 inches	Verify by manufacturer's procedure using standard gauge blocks.
LG-24	Digital Caliper	Mitutoyo	CD-12CP	0032287	12 inches	Verify by manufacturer's procedure using standard gauge blocks.
LG-26	Feeler Gage	Craftsman	40801			22 Total Gages - 14 ea. Gage Leaves – 0.012 in. (0.305 mm) to 0.032 in. (0.813 mm). - 8 ea. Gage Pins – 0.020 in. (0.508 mm) to 0.040 in. (1.020 mm).
LG-27a	Timing Device	Fisher Scientific	Traceable	72136463		
LG-27b	Timing Device	Fisher Scientific	Traceable	721136383		
LG-33	Not Used					

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Continued

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LG-34	Dial Indicator	Soil Test	LC-8	LC 8002??	1.000 in. 0.001 in.	CBR Swell Tripod. Lab ID No. 6 Replaced LG-33
LG-35	Not Used					
LG-36b	DS Horizontal Displacement Digital Indicator	CDI Logic	02110-0-16	160158676		
LG-36c	DS Vertical Displacement Digital Indicator	CDI Logic	02110-0-16	160350348		
LG-37	Direct Shear Normal Load	Humboldt	HM-1120	Ser. 3924?? DL-106022		Test Method (AASHTO/ASTM) T236 / D3080 Includes digital indicator. 9 total plates, TSF 2.5" Cell. Verify information inscribed on plates: 1/8 (2 ea. plates), 1/4, 1/2, 1, 2, and 4 (3 ea. plates).
LG-40a	Thermometer, Glass	SLW	ASTM 90C-86	10961		(1 of 5). Added Spring 2023
LG-40b	Thermometer, Glass	SLW	ASTM 63C-89	11566		(2 of 5). Added Spring 2023
LG-40c	Thermometer, Glass	M&W	SAMA FP 10	4M7463		(3 of 5). Added Spring 2023
LG-40d	Thermometer, Glass	SLW	ASTM 67F-86	2078		(4 of 5). Added Spring 2023
LG-40e	Thermometer, Glass	ERTCO	ASTM 64F	8532		(5 of 5). Added Spring 2023
LG-41	Furnace	Thermolyne	F48025	1058980380943 DL102261		Transferred from LS to LG.
LS-05 Tech.	Universal Testing Machine	Satec	300HVL	3229 DL 103299	300,000 lb	Lubricate the spherical seat only.
LS-06r	Compression Machine	Forney	FHS-500B/LA-270-TP	Ser. 17057, 2017.	500,000 lb	Lubricate the spherical seat only.
*LS-12	Inside Hole Micrometer	SPI	MFG 14-326-3	MSC PN 85199479	12 to 16 mm	Chem Lab. Micrometer used to measure inside diameter of cement cell. (moved to Spring Cal. List). Every 2 years. Last 2023.

For all Equipment:

- 1) Calibrating technician should be familiar with equipment and controls before operating the equipment.
- 2) Follow manufacturer's instructions.
- 3) Clean equipment.
- 4) Verify equipment according to calibration requirements.
- 5) Calibrate equipment as needed.
- 6) Deliver Report/Certificate of Calibration/Verification including:
 - a) Name of technician performing calibration/verification.
 - b) Date calibration/verification was performed.
 - c) Equipment and/or standards used to perform calibration/verification.
 - d) Procedures used in calibration/verification.
 - e) Test data from calibration/verification.
 - f) Description of any corrective measures performed.

Special Note 7: Not Used

Special Note 8: Provide document demonstrating calibration standard traceable to NIST.