LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT VERIFICATION PROCEDURE

THIN FILM OVEN

Equipment

- 1. Ruler, readable to 1/8 inch.
- 2. Timer, readable to 0.1 second.

Procedures

- 1. Open the oven door. Measure and record the distance from the shelf to the bottom of the thermometer bulb. Measure and record two distance along the shelf radius from the shelf's outer edge to the thermometer and from the thermometer to the shelf's center.
- 2. Perform the test according to AASHTO T179 or ASTM D1754. After placing the test samples in the oven, record the time needed for the oven to recover to test temperature.
- 3. Record the number of shelf rotations in one minute.
- 4. Record the oven temperature at half-hour intervals until the test is complete.

EQUIPMENT VERIFICATION RECORD

Inspected By:	_ Date
Apparatus: THIN-FILM OVEN (T179)(D1754)	Make:
Identification No.:	Verification FreqMO
Previous Verification Date:	_ Next Due Date:
Verification Equipment Used:	
Verification Procedure: Distance from the shelf to bottom of the (6.4 mm; ¼ in) Distance from the shelf outer edge to the contract of the co	ermometer bulb:
Distance from the thermometer to the she	elf's center:
Time needed for the oven to recover to (within 15 min.)	test temperature:
Number of shelf rotations in one minute	:(5.5 ± 1 rpm)
Oven temperature at half hour intervals	::
:::::	:::
:: (162 ± 1°C; 325	± 2°F.)
Action Recommended: Repair Replace	eNone
Comments	

CC: ENGINEERING TECHNICIAN MANAGER, EQUIPMENT TESTING