

**EQUIPMENT VERIFICATION PROCEDURE**

LIQUID LIMIT GROOVING TOOL  
(AASHTO T89)

I. EQUIPMENT

A. Calipers, 250 mm minimum length, readable to 0.1 mm

II. PROCEDURE

A. Verify the following dimensions of the grooving tool, and record the reading(s) to the following degree of accuracy:

DESCRIPTION	ACCURACY
Thickness	0.1 mm
Cutting Edge	0.1 mm
Width	0.1 mm

- B. Verify that the condition of the cutting edges (the point of contact with the cup) are not worn excessively.
- C. Measure the radius of the curvature of the cutting edge and record to the nearest 0.1 mm.
- D. Measure the depth and length of the gage record the readings to the nearest 0.1 mm.
- E. Record the Identifying Number of the Grooving Tool on the Worksheet.

**STATE OF LOUISIANA  
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT**

**VERIFICATION OF  
LIQUID LIMIT GROOVING TOOL**  
verification procedure used: DOTD A24

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Verification frequency: 12 months      Previous verification date: \_\_\_\_\_

Date of Verification: \_\_\_\_\_      Next verification due: \_\_\_\_\_

Identification no.: \_\_\_\_\_      Mfg./distributor: \_\_\_\_\_

Verified by: \_\_\_\_\_      Verification equipment used: \_\_\_\_\_

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Description		Dimensions *
Thickness of grooved end	(A)	
Cutting edge of grooved end	(B)	
Width of grooved end	(C)	
Depth of gage	(D)	
Length of gage	(E)	

\* All dimensions are measured to the nearest 0.1 mm

Recommended action:    repair \_\_\_\_\_    replace \_\_\_\_\_    none \_\_\_\_\_

Comments: \_\_\_\_\_

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