

AASHTO - PERFORMANCE EXAM CHECKLIST

Applicant: _____

Date: _____

AASHTO T 355-22 In-Place Density of Asphalt Mixtures – Nuclear Method

		First test	Retest
		Yes/No	Yes/No
<u>Standardization</u>			
SEC: 8.2	Standardization of the gauge is required at the start of each day.	_____	_____
SEC: 8.2	Take standard counts in the same environment as the actual measurements.	_____	_____
SEC: 8.2	Perform the standardization at least 30 feet away from other radioactive sources and clear of other items that may affect the count rate.	_____	_____
SEC: 8.2.1	Turn gauge on and allow to stabilize according to manufactures recommendations.	_____	_____
SEC: 8.2.2	Standard counts taken and recorded.	_____	_____
SEC: 8.2.2	Determine if the standard counts are within the limits for normal operation in accordance with the gauge manufacturer.	_____	_____
<u>Procedure Alternate Method 2</u>			
SEC: 9.1	Select a relatively smooth and flat location where the gauge will be at least 10 feet away from large objects. Follow manufactures correction procedure when closer than 24 inches to any vertical mass or 12" from a vertical pavement edge. Section 4.1.3 Radioactive sources must not be within 30 feet.	_____	_____
SEC: 9.2.1	Use filler material to fill surface voids. Spread a small amount of filler material over the test site. Strike off excess with straightedge.	_____	_____
SEC: 9.3.2.1 – 9.3.2.6	Place the gauge on the test site parallel to the direction of travel of the rollers. Mark an outline of the gauge. Place in backscatter, take a 1-minute reading and record wet density. Rotate 180° in the footprint, take another 1-minute reading and record the wet density. If the difference is greater than (2.5 lb/ft ³), retest. Report the average of the two readings.	_____	_____

Examiner: _____

SCORE: **PASS** **FAIL** **FAIL**
 Proctor Initials:

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