Delaware Department of Transportation
Materials and Research
Dover, Delaware

MAKING AND CURING CONCRETE TEST SPECIMENS IN THE FIELD AASHTO T23-1 (ASTM C-31)

	DATE:_____	YES	NO	RECHECK DATE P/F
1.	**Place molds on a level, rigid, horizontal surface, free of vibration and or disturbances, at a place as near as practical to the location where they are to be stored.**	_____	_____	_____
2.	**Select a representative sample.**	_____	_____	_____
3.	**Move the scoop around the perimeter of the mold opening when adding concrete to ensure an even distribution of the concrete and minimize segregation. Further distribute the concrete by use of the tamping rod prior to the start of the consolidation.**	_____	_____	_____
4.	**Fill molds in three equal layers (6"x12") or two equal layers (4"x8") attempting to exactly fill the mold on the last layer.**	_____	_____	_____
5.	**Rod each layer 25 times with rounded end of rod, uniformly distributing strokes.**	_____	_____	_____
6.	**Rod bottom layer throughout its depth.**	_____	_____	_____
7.	**Rod middle and top layers to a depth of 1 inch into underlying layers.**	_____	_____	_____
8.	**Tap the sides of the mold lightly 10-15 times with mallet after rodding each layer.**	_____	_____	_____
9.	**Strike off surface with tamping rod, or if necessary, finish with a trowel or float.**	_____	_____	_____
10.	**Cover specimens with non-absorptive caps.**	_____	_____	_____
11.	**After molding, the specimens shall be stored up to 48 hours at a temperature range between 60 to 80 degrees F. while being protected from direct rays of the sun and radiant heating devices.**	_____	_____	_____

Comments:_____

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_____ _____

SUPERVISOR **TECHNICIAN**