TMD-724-SA
Rev. 07-01-2005

OFFICE OF STATE AID ROAD CONSTRUCTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
JACKSON, MS
STANDARD DENSITY TEST DATA
(MT-8) (MT-9)

(This form to be used in reporting standard density tests)

Project _____ County _____ District _____ Curve No. _____
Laboratory No. _____ Date Sample Received _____ Date Tested _____
Source and Location _____ Technician _____
Component of Structure: Embankment _____ Design Soil _____ Subbase _____ Base _____
Material Tested: Soil _____ Sand Clay _____ Clay (or semi) Gravel _____
(Type) (Class) (Class)

Treatment: Lime - % By Dry Weight: 1st Application _____ : 2nd Application _____
Fly - Ash - % By Dry Weight: _____
Cement - % By Volume: _____
None _____
Mold Used: No. _____ Weight _____ "E" (Lbs.) Volume _____ "F" (Cu. Ft.)
Tested Under: Case 1 _____ Case 2 _ Bulk Specific Gravity of (+) 1/2" Fraction _____

Treat No.	Wet Weight Soil & Mold Lbs. "D"	Wet Weight Soil, Lbs.	Moisture Determination							Dry Mass of Specimen Lbs.	Dry Density of Soil Lbs./Cu.Ft.
			Dish No.	Weight Dish Grams "C"	Weight Wet Soil & Dish Grams "A"	Weight Dry Soil & Dish Grams "B"	Loss Grams	Weight Dry Soil Grams	Moisture Content Per Cent "W"		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1											
2											
3											
4											
5											
6											
7											
8											

Col. 3 = Col. 2 - "E"; Col. 8 = Col. 6 - Col. 7; Col. 9 = Col. 7 - Col. 5; Col. 10 = Col. 8 X 100 / Col. 9

Col. 11 = Col. 3 X 100 / (Col.) 10 + 100

Col. 12 = Col. 11 X 1 / F

Minus 1/2" Fraction: Standard Density _____ Lbs./Cu. Ft.; Optimum Moisture _____ %

(Plot results on graph on Page 2)

Distribution:
Original - County/LSBP Engineer
Copies - State Aid District Engineer
State Aid Testing Engineer

(Signed) _____

Title _____

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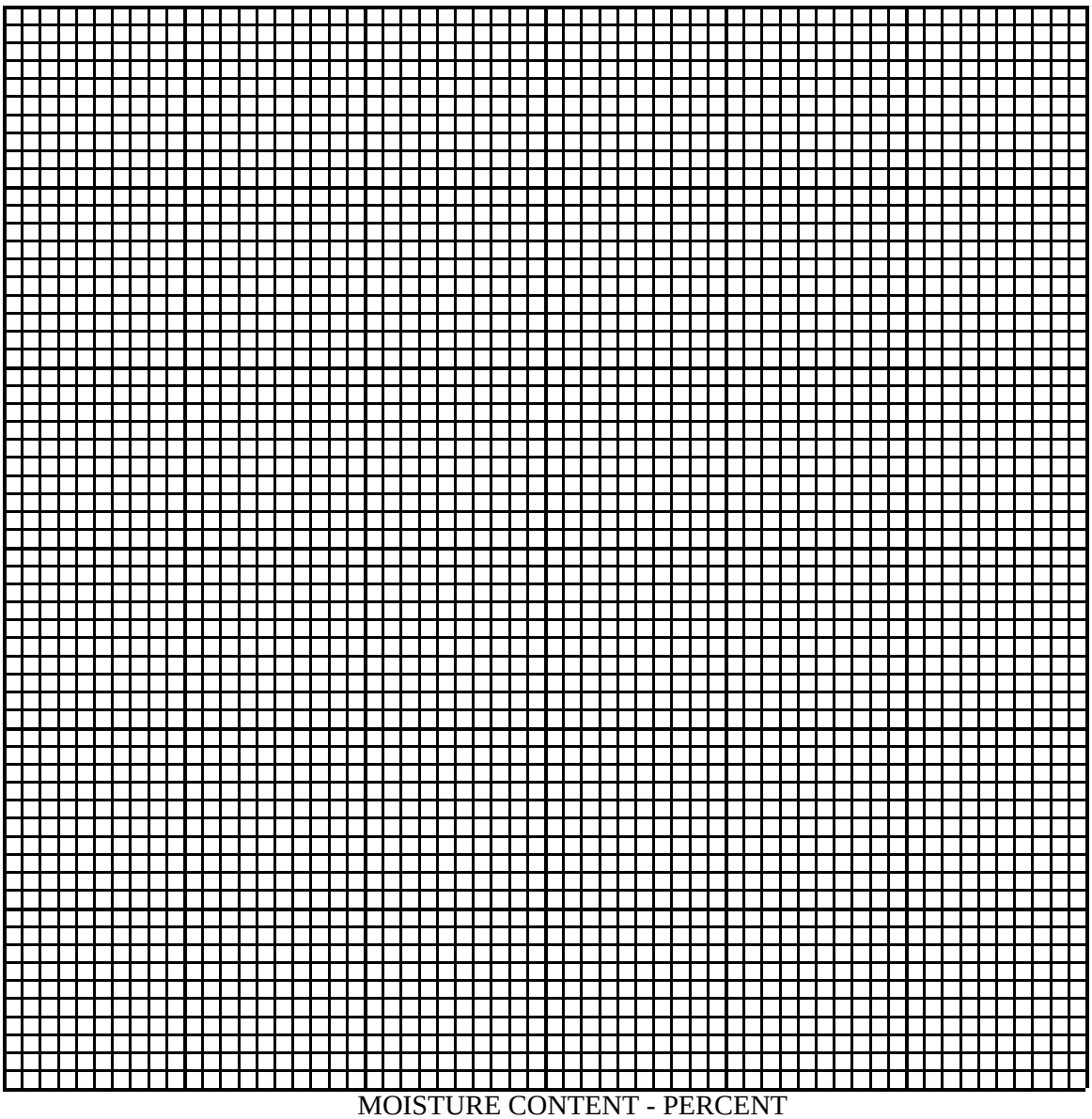
Project No. _____ County _____

STANDARD DENSITY TEST DATA



Minus ½ - Inch Fraction

Standard Density _____ Lbs./Cu. Ft. "Dp"
Optimum Moisture _____ % "OMp"

Percent Retained on 1/2" Sieve _____ "R"
Percent Passing 1/2" Sieve _____ "P"

Whole Sample

Standard Density From Nomograph _____ Lbs./Cu. Ft.
Optimum Moisture = $\frac{(3R + OMp \times P)}{100}$ = _____ %