

MOISTURE-DENSITY RELATIONSHIP

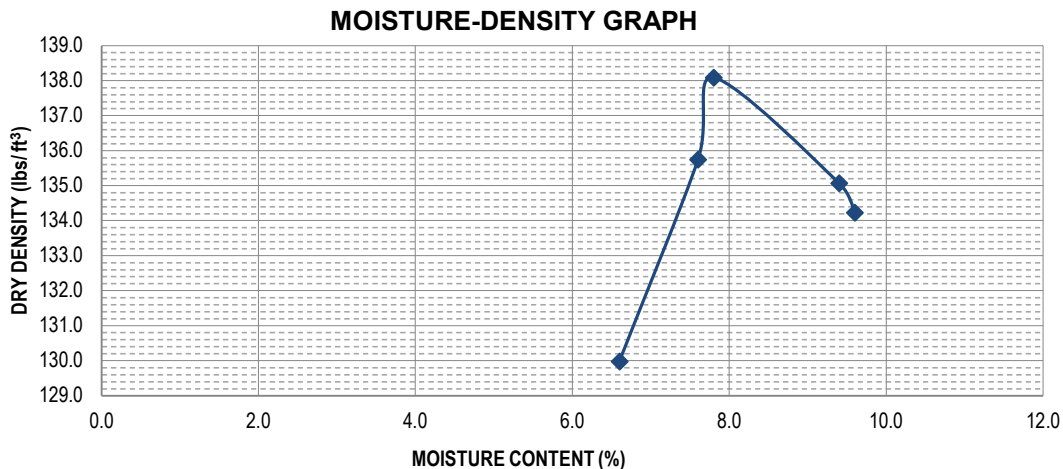
R-255

LAB NO.:	2620398	PROJECT TEST NO.:		PRICING:	
PROJECT NAME:	Dunn Construction				
PROJECT NO.:	313.0238335.000(01)				
STATION OR LOCATION:					
DATE SAMPLED:	1-Apr-26	DATE TESTED:	1-Apr-26		
MATERIAL TYPE:					
TYPE OF PROCTOR:	T180D Sector Face	MAXIMUM DENSITY (lbs/ft ³):	*141.5	OPTIMUM H ₂ O:	*6.9 %

TEST NO.	1	2	3	4	5	6
WATER ADDED (mL)	350	100	100	100	100	
CYL. & WET SOIL WT (g)	11131.6	11387.1	11481.9	11444.8	11422.8	
CYLINDER WT. (g)	6417.0	6417.0	6417.0	6417.0	6417.0	
WET SOIL WT. (g)	4714.6	4970.1	5064.9	5027.8	5005.8	
WET DENSITY (lbs/ft ³)	138.6	146.1	148.9	147.8	147.1	
CONTAINER NO.	AA	AB	AC	AD	AE	
CONTAINER & WET SOIL WT. (g)	967.4	1004.3	967.4	1135.5	1279.1	
CONTAINER & DRY SOIL WT. (g)	933.0	962.4	927.1	1072.8	1202.7	
H ₂ O WT. (g)	34.4	41.9	40.3	62.7	76.4	
CONTAINER & DRY SOIL WT. (g)	933.0	962.4	927.1	1072.8	1202.7	
CONTAINER WT. (g)	407.9	407.5	412.7	402.5	405.6	
DRY SOIL WT. (g)	525.1	554.9	514.4	670.3	797.1	
MOISTURE CONTENT (%)	6.6	7.6	7.8	9.4	9.6	
DRY DENSITY (lbs/ft ³)	130.0	135.8	138.1	135.1	134.2	
GRAPH NO.						
MAX DRY DENSITY (lbs/ft ³)						
OPTIMUM H ₂ O (%)						
D _f = PROCTOR MAX DRY DENSITY, FINE (lbs/ft ³)	137.0		D _d = CORRECTED MAX DRY DENSITY (lbs/ft ³)		141.5	
MC _f = PROCTOR OPTIMUM H ₂ O, FINE (%)	8.1		MC _T = CORRECTED OPTIMUM H ₂ O (%)		6.9	
P _C = PERCENT COARSE MATERIAL (%)	20.4					
MC _C = COARSE OPTIMUM H ₂ O (%)	2.0		P _f = PERCENT FINE MATERIAL (%)		79.6	
BULK SP. GR.	2.60		k = MASS PER VOLUME (lbs/ft ³)		162.2	

TESTED BY: Les Seckletstewa & Adam Arriola

LAB MANAGER: Travis Bair



REMARKS: