

Dunn Fivemile  
A-1-a E-Fill  
North Stockpile

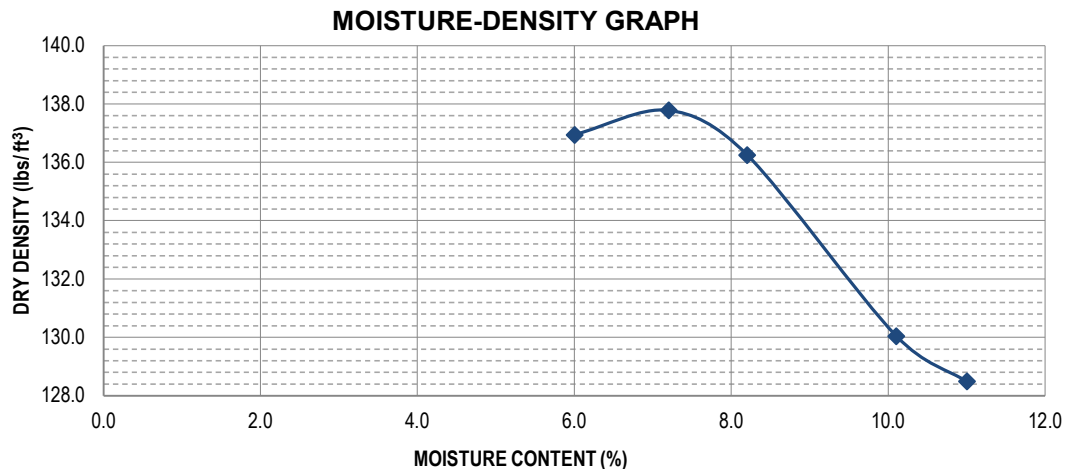


**MOISTURE-DENSITY RELATIONSHIP**

LAB NO.:	2620397	PROJECT TEST NO.:		PRICING:	
PROJECT NAME:	Dunn Construction				
PROJECT NO.:	313.0238335.000(01)				
STATION OR LOCATION:					
DATE SAMPLED:	31-Mar-26	DATE TESTED:	2-Apr-26		
MATERIAL TYPE:					
TYPE OF PROCTOR:	T180D Sector Face	MAXIMUM DENSITY (lbs/ft <sup>3</sup> ):	<b>*141.9</b>	OPTIMUM H <sub>2</sub> O:	<b>*6.3 %</b>

TEST NO.	1	2	3	4	5	6
WATER ADDED (mL)	300	125	125	125	125	
CYL. & WET SOIL WT (g)	11355.9	11442.4	11433.0	11288.5	11269.6	
CYLINDER WT. (g)	6416.6	6416.6	6416.6	6416.6	6416.6	
WET SOIL WT. (g)	4939.3	5025.8	5016.4	4871.9	4853.0	
WET DENSITY (lbs/ft <sup>3</sup> )	145.2	147.7	147.4	143.2	142.6	
CONTAINER NO.	PG-1	PG-2	PG-3	PG-4	PG-5	
CONTAINER & WET SOIL WT. (g)	953.9	1031.1	1047.8	1054.2	1193.2	
CONTAINER & DRY SOIL WT. (g)	922.8	989.4	998.7	994.8	1115.7	
H <sub>2</sub> O WT. (g)	31.1	41.7	49.1	59.4	77.5	
CONTAINER & DRY SOIL WT. (g)	922.8	989.4	998.7	994.8	1115.7	
CONTAINER WT. (g)	408.0	408.9	402.1	406.0	408.4	
DRY SOIL WT. (g)	514.8	580.5	596.6	588.8	707.3	
MOISTURE CONTENT (%)	6.0	7.2	8.2	10.1	11.0	
DRY DENSITY (lbs/ft <sup>3</sup> )	136.9	137.8	136.3	130.1	128.5	
GRAPH NO.						
MAX DRY DENSITY (lbs/ft <sup>3</sup> )						
OPTIMUM H <sub>2</sub> O (%)						
D <sub>f</sub> = PROCTOR MAX DRY DENSITY, FINE (lbs/ft <sup>3</sup> )	137.7		D <sub>d</sub> = CORRECTED MAX DRY DENSITY (lbs/ft <sup>3</sup> )		141.9	
MC <sub>f</sub> = PROCTOR OPTIMUM H <sub>2</sub> O, FINE (%)	7.3		MC <sub>T</sub> = CORRECTED OPTIMUM H <sub>2</sub> O (%)		6.3	
P <sub>C</sub> = PERCENT COARSE MATERIAL (%)	19.4					
MC <sub>C</sub> = COARSE OPTIMUM H <sub>2</sub> O (%)	2.0		P <sub>f</sub> = PERCENT FINE MATERIAL (%)		80.6	
BULK SP. GR.	2.60		k = MASS PER VOLUME (lbs/ft <sup>3</sup> )		162.2	

TESTED BY: \_\_\_\_\_  
LAB MANAGER: Travis Bair



REMARKS: