


AASHTO CLASSIFICATION OF SOILS AND SOIL-AGGREGATE MIXTURES												
GENERAL CLASSIFICATION	(35 PERCENT OR LESS PASSING 0.075 MM (NO. 200) SIEVE)				GRANULAR MATERIALS (MORE THAN 35 PERCENT PASSING 0.0075 MM (NO. 200) SIEVE)				SILT-CLAY MATERIALS (MORE THAN 35 PERCENT PASSING 0.0075 MM (NO. 200) SIEVE)			
	A-1		A-3		A-3		A-3			A-4	A-5	A-6
GROUP CLASSIFICATION	A-1-a	A-1-b	A-3		A-2-4	A-2-5	A-2-6	A-2-7	A-4	A-5	A-6	A-7
SIEVE ANALYSIS, PERCENT PASSING												
2.00 MM (NO. 10)	50 MAX	--	--	--	--	--	--	--	--	--	--	--
0.425MM (NO.40)	30 MAX	50 MAX	51 MAX	--	--	--	--	--	--	--	--	--
0.075MM (NO. 200)	15 MAX	25 MAX	10 MAX	35 MAX	35 MAX	35 MAX	35 MAX	35 MAX	36 MIN	36 MIN	36 MIN	36 MIN
CHARACTERISTICS OF FRACTION PASSING 0.425 MM (NO. 40) SIEVE												
LIQUID LIMIT	--	--	--	--	--	--	--	--	--	--	--	--
PLASTICITY INDEX	6 MAX		N.P.	40 MAX 10 MAX	41 MIN 10 MAX	40 MAX 11 MIN	41 MIN 11 MIN	40 MAX 10 MAX	41 MIN 10 MAX	40 MAX 11 MIN	41 MIN 11 MIN	41 MIN 11 MIN
USUAL TYPES OF SIGNIFICANT CONSTITUENT MATERIALS	STONE FRAGMENTS, GRAVEL AND SAND		FINE SAND	SILTY OR CLAYEY GRAVEL AND SAND					SILTY SOILS		CLAYEY SOILS	
GENERAL RATING AS SUBGRADE	EXCELLENT TO GOOD				EXCELLENT TO GOOD				FAIR TO POOR			

NOTE: PLASTICITY INDEX OF A-7-5 SUBGROUP IS EQUAL TO OR LESS THAN LL MINUS 30. PLASTICITY INDEX OF A-7-6 SUBGROUP IS GREATER THAN LL MINUS 30. SEE FIGURE M145, FIGURE.2. +

SPECIFICATION	CATEGORY CODE ITEMS	
APPROVED	<i>Kirk G. McCall</i> DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT	
	APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL 3-25-10	APPROVAL 12-22-09
	REVISED	REVISED
	REVISED	REVISED

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

**AASHTO CLASSIFICATION OF SOIL
 AND SOIL-AGGREGATE MIXTURES**

STANDARD NO.

MD 000.04