

LAB #	PROJECT #			TRACS#	
	FLAKINESS INDEX (AZ 233)			CHECKED BY:	
SIEVE SIZE	1/2"	3/8"	1/4"	#4	#8
% Ret. from Sieve Anaysis (F)					
% Pass from Sieve Analysis					
Weight Passing Slot					
Weight of Split			200	100	50
**% Passing Slot (P)					

When testing MA for ACFC, or Aggregate cover material only

**% Passing Slot = $\frac{\text{Wt. Passing Slot}}{\text{Wt. of Split}} \times 100$

NOTE: Only the size fractions which have 10 percent -or more - retained are tested for passing the appropriate slot and used in the equation below.

EQUATION: FLAKINESS INDEX =	$\frac{[F(1/2") \times P(1/2") + \dots + [F(\#8) \times P(\#8)]}{F(1/2") + \dots + F(\#8)}$	
CALCULATION: FLAKINESS INDEX =	=	%

WASHED UNWASHED	SAND EQUIVALENT (AASHTO T176) (AZ 242 for MAFC)	CHECKED BY:
SAND READING =		
CLAY READING =		
SAND EQUIV. =		
SAND READING =		
CLAY READING =		
SAND EQUIV. =		
SAND READING =		
CLAY READING =		
SAND EQUIV. =		
AVERAGE SAND EQUIVALENT =		

ABRASION (AASHTO T 96)	CHECKED BY:
% Abrasion = $\frac{A-B}{A} \times 100$	
Where A = Original Mass (5000 ± 10 grams) B= Plus #12 Material after Abrasion	
100 Rev:	$\text{_____} \times 100 = \text{_____} \%$
500 Rev:	$\text{_____} \times 100 = \text{_____} \%$
Type of Abrasion	

FRACTURED COARSE AGGREGATE PARTICLES (AZ 212)			CHECKED BY:
	AT LEAST ONE FRACTURED FACE	AT LEAST TWO FRACTURED FACES	
Fractured Faces Weight (Wf)			grams
Total Sample Weight (Wa)	300	300	grams
Fractured Faces (FF)= Wf/Wa × 100)			%

TEST OPERATOR AND DATE PERFORMED	DATE
Abrasion	
Sand Equiv.	
Fractured Coarse Agg. Particles	
Flakiness Index	