



MIX IGNITION ASPHALT CONTENT AND SIEVE ANALYSIS

CONTRACT NO.	PROJECT NO.	CONTRACTOR	DATE SAMPLED
LOT NO.	SAMPLE NO.	TIME SAMPLED	

MIX MOISTURE CONTENT

A	WT. OF MOIST SAMPLE + PAN	g	
B	WT. OF DRY SAMPLE + PAN	A - B	g
C	WT. OF WATER	g	
D	WT. OF TARE PAN (NO. _____)	g	
E	WT. OF DRY SAMPLE	B - D	g
F	MIX MOISTURE CONTENT	100 C / E	%
TIME PLACED IN OVEN		h_min	
TIME TAKEN OUT OF OVEN		h_min	
DRYING TIME		h_min	
WT. OF SAMPLE USING CALCULATED SAMPLE DRY WEIGHT METHOD			
G	WT. OF MOIST SAMPLE + PAN	g	
H	WT. OF TARE PAN (NO. _____)	g	
I	WT. OF MOIST MIX	G - H	g
J	WT. OF DRY MIX	100 I / (100 + F)	%

EXTRACTION DATA

K	DRY WT. OF MIX	LINE "E" or LINE "J"	g
L	WT. OF IGNITION BASKET@ 130°C (NO. _____)		g
M	IGN. BASKET WEIGHT CORRECTION FACTOR		g
N	WT. OF IGNITION BASKET@ 538°C (Note1)	L + M	g
O	WT. OF DRY AGG. + BASKET@ 538°C (Note2)		g
P	WEIGHT OF DRY AGG. FROM IGNITION	O - N	g
Q	WT. OF ASPHALT	K - P	g
R	UNCORRECTED ASPHALT CONTENT	100 Q / P	%
S	IGNITION ASPHALT CORRECTION FACTOR		%
T	CORRECTED IGNITION ASPH CONTENT	R + S	%
TIME IGNITION STARTED		h_min	
TIME IGNITION ENDED		h_min	
IGNITION TIME		h_min	
WT. OF SAMPLE USING OVEN DRIED METHOD			
G	WT. OF DRY MIX + PAN or BASKET		g
H	WT. OF TARE PAN or BASKET @ 130°C (NO. _____)		g
J	WT. OF DRY MIX	G - H	g

Note 1: Calculated weight using correct factor or actual weight@ 538°C.

Note 2: Includes ignited ash brushed off pans and implements (fines correction).

SIEVE ANALYSIS DATA

WT. OF DRY AGGREGATE (P) _____ g				
SIEVE SIZE µm	WEIGHT RETAINED g	WEIGHT PASSING g	PERCENT PASSING %	DESIGN or TARGET LIMITS(%)
25 000				
20 000				
16 000				
12 500				
10 000				
5 000				
2 500				
1250				
630				
315				
160				
80				
TARE PAN		DIFFERENCE U - V	% DIFF. 100 W / U	MAXIMUM DIFFERENCE
TOTAL WEIGHT (V)				
DRY WASH WT (U)		(W)		0.5%

CALCULATIONS

DATE TESTED _____ TECHNOLOGIST(S) _____

DATA CHECKED BY: _____

REMARKS: _____

