

ASPHALTIC CONCRETE TABULATION

44-9352 R03/25 azdot.gov

USE CAPITAL LETTERS LAB NUMBER PROJ CO	PUR- TEST DDE UNIT NUMBER MATL TYPE POSE LAB SIZE SIZE %									
LOT OR										
TEST NO. SUFFIX SAMPLE	ED BY (FIRST & LAST NAME) MO DAY YEAR TIME MILITARY TIME									
SAMPLED FROM LIFT NO. RDWY STATION PLUS										
	PROJECT ENCINEED/									
ORIGINAL SOURCE	PROJECT ENGINEER/ SUPERVISOR PROJECT NUMBER TRACS NUMBER									
REMARKS										
COARSE FACTOR FINE FACTOR	_ARIZ. 402 or 413									
	EXTRACTION TEST Number of Washes Number of Washes									
3"	a. Wt. of Celite, filter and - #200 b. Predetermined Wt. of celite and Filter c. Dry Wt. of - #200 (a - b) d. Dry Wt. of Ext. Agg. And - #200 (c + d) (enter in I below and coarse sieve total) f. Wet Wt. of moisture Sample g. Dry wt. of Moisture Sample h. Moisture Content Ariiz 406 i. Initial wt. of AC Sample j. Wt. of Water (h x i) / 100 k. Wt. of AC Less Water (I - J) I. Dry Wt. of Ext. Agg. and - #200 (e) G = Core M = Marshall Pba = Asphalt Absorption (% of O.D. aggregate) G = Coarse Agg. Sp. Gr. (AASHTO T-228) G = Coarse Agg. Sp. Gr. (ARIZ 211) Mineral Admixture L = Lime, c = cement, P = IP Pad = Min. Admix. Content (% of Mineral Agg.) Gsb = Comb. Agg. Bulk O.D. Sp. Gr. (ARIZ 211) FROM RICE TEST (ARIZ 417) FROM RICE TEST (ARIZ 417) FROM RICE TEST (ARIZ 417) Sample D = Asphalt Absorption (% of O.D. aggregate) G = Fine Agg. Sp. Gr. (ARIZ 211) Mineral Admixture L = Lime, c = cement, P = IP Pad = Min. Admix. Content (% of Mineral Agg.) Gsb = Comb. Agg. Bulk O.D. Sp. Gr. (ARIZ 211) FROM RICE TEST (ARIZ 417) FROM RICE TEST (ARIZ 417) Sample max. Dens (Gmm x 62.3) FROM RICE TEST (ARIZ 417) FROM RICE TEST (ARIZ 417) FROM RICE TEST (ARIZ 417) Sample max. Dens (Gmm x 62.3)									
Pass #8 Split $T = \left(\frac{q}{r} \times c \right) + q$	m. Wt. of Ext. Asphalt (k – I)									
	SPECS n. Ext. Asph									

(Specimens	molded by I	Marshall(AR	IZ 410):	Hand		Or Mechani	cal) or C	Core			
METHOD OF	DETERMININ		GRAVITY/BUL	K DENSITY (A	ARIZ 415):	Α		c	TEST (& DATE PER	RFORMED
Specimen He	eight (0.001 in.)) =							Fine Sle			
A= mass in g	rams of								Extraction	on		_
sample in	ı air								Moisture			<u></u>
B= mass in g		=							Rice Tes	-		
sample in C= mass in g		_							Void Ana Bulk Sp. (
sample ii		=							Stability			<u> </u>
Bulk O.D. sp.	Gr = B-A	B-C =				AVERAGI	≡ =		Flow Viscosity	/ =		_ _ _
% Absorption		X100 =				(Gmb)						
Bulk density ((lbs./cu.ft.)	=						AC MIX BUL	K DENSITY =	Gmb X 62.3=		
Marshall Stat	oility Reading	=										
Stability Corre	elation Ratio	=										
Corrected Ma	arshall Stability	, =				AVERAGE =	. <u> </u>					
Marshall Flov	v Reading	=				AVERAGE =	. —					
						7.1.2.0.02	_					
VOIDS ANA Gsb=	ALYSIS (ARI	ı∠ 815) =	10	10	=		* 00	:= 0/ Do #4 15	agminis	ina minl	maistrina ti: I	ue for DE
100		Pf* 1	100 – ()	()				= % Pass #4. If Il be modified in			mixture, the vai	ue for PF
		Gf ()	+ ()					•	-		
Pma=	(100 – Pb)	=	(100) –	()	_ =			Pf	=	()	<u> </u>	
	+ (0.01 x Pad)	•	1.00 + ((0.01) x	())			1.00	0 + (0.01 x Pad)		+ [(0.01) x ()]	
Pmx= (100	– Pb) – Pma =	= (100 – ()) – ()		=		ΛID	VOIDS FROM		REST WHOL	E PERCENT)	
Vag= F	Pma x Gmb	=	():	x ()	=		AllX	A.C. MI				
<u> </u>	Gsb		()			ΙГ	BULK DEN		Γ	<u>()</u>	(100 =
Vmx= Pmx	x Gmb	_	()	, ()	_		$ \mathbf{L}^1 $	I- MAX. DEN FROM RICE	SITY TEST	X100 = L 1-	()] ′	
VIIIA- TIIIA	Gad		()				THOMPHOL	1201			
Pbe= Pb -	· (Pba x Pma x	(0.01) = () – (()	x () x (0.01))=		_	Gad:				
								Cement	= 3.14			
Vbe= Pbe	x Gmb Gb	_ = _	() x	()	_ = _			IP Cemen	t = 3.00 = 2.20			
VMA= 100	– Vag – VMX :	= 100 – () – () = _				Line	- 2.20			
E\/- \/\AA	\	\	` -									
EV= VMA	\ -Vbe = () – () =								d, the maximur e "Wsd" weight	
VF= Vbe	X 100 =	= () X	100 =						-	- ···-	
VMA		()			<u>-</u>						
FLASK	WEIGHT	"Wmm"	"B"	"C"	"Vvm"	"Gm	m"	MAXIMUM	"Wsd"	"Vvm"	"Gmm"	MAXIMUM
NUMBER	OF	WEIGHT	FLASK	FLASK	VOLUMI	E MAXIN	ИUM	DENSITY	SURFACE	VOLUME	MAXIMUM	DENSITY
	FLASK	OF SAMPLE	+ WATER	+ WATER	OF VOIDLES	SPEC SS GRAV		LBS.PER CU. FT.	DRY WEIGHT	OF VOIDLESS	SPECIFIC GRAVITY	LBS. PER CU. FT.
		IN AIR		+	MIX	Wm	<u>m</u>	62.3 x		MIX	<u>Wmm</u>	62.3 x
				SAMPLE	Wmm+B-	-C Vvr	n	Gmm		Wsd+B-C	Vvm	Gmm
AVED A OF												
AVERAGE						DEMAS	NC.					
FLASK NUM	BER:					REMAR	ino:					
WT. OF SAMPLE AND FLASK												
WT. OF SAMPLE, FLASK,												
WATER, AND GLASS PLATE												
WT. OF GLASS PLATE												