DOTD 03-22-0732
Rev. 07/05

Louisiana Department of Transportation and Development

TENSILE STRENGTH RATIO (TSR)
AASHTO T 283 / DOTD TR 322

Project No ....
Material Code ... 6 6 1
Sampled By *(signature)*
Lab No ....
Date Sampled .....
Submitted By ....
Quantity ....
Unit ....
Purpose Code ....
Source Code ......
Spec Code .....
P. O. No. ....
Independ. Testing Lab Code L
Date Tested ....
Sample Ident ....
Material Sampled From .....
Date Transport to Dist/Matls Lab ...
Date Rec'd @ Dist Lab ......
Date Rec'd @ Matls Lab ....

Remarks 1

Remarks 2

Item No. .....

Sampling / Testing Comments

	Test Results	Pass or Fail P / F
	XXXXXXXXXXXXXXXXXXXX	XXXX
	XXXXXXXXXXXXXXXXXXXX	XXXX
JOB MIX FORMULA SEQUENCE NO.		XXXX
LOT NO.		XXXX
MIX TYPE CODE		XXXX
NUMBER OF BLOWS PER SIDE		XXXX
AVERAGE NUMBER OF GYRATIONS		XXXX
PLANT TYPE *1 - Batch Screenless; 3 - Drum Mixer; 2 - Batch Hot Bin; 4 - Continous*		XXXX
	XXXXXXXXXXXXXXXXXXXX	XXXX
	XXXXXXXXXXXXXXXXXXXX	XXXX
JMF MAX. THEORETICAL SPECIFIC GRAVITY (G_{mm})	•	
AVERAGE AIR VOIDS (MOISTURE-CONDITIONED SET),%	•	XXXX
AVERAGE AIR VOIDS (CONTROL SET), %	•	XXXX
AVG. TENSILE STRENGTH (MOISTURE-CONDITIONED SET), PSI (kPa)		XXXX
AVG. TENSILE STRENGTH (CONTROL SET), PSI (kPa)		XXXX
TENSILE STRENGHT RATIO (TSR), %		

Tested By: ____________________ Date: ____________

Checked By: ____________________ Date: ____________

APPROVED BY: ____________________ **DATE:** ____________

(Over)

TENSILE STRENGTH RATIO (TSR) -- AASHTO T 283

Project No.: _____ Date Sampled: _____ Date Tested: _____

E. Max. Theo. Gr:(T 209) _____ Sample Set ID: _____ JMF Seq.No: _____ Mix Type: _____

	SAMPLE ID									
A	Wt. (Mass) in Air - Dry									
B	Wt. (Mass) in Water									
C	SSD Wt. (Mass)									
v	Volume	(C - B)								
D	Bulk Sp Grav	(A / v)								
F	% Max Theo Grav *(T 209)*	(D / E x 100)								
H	% Air Voids	(100 - F)								

Avg %Voids (Cond) = _____ Av g % Voids (Ctrl) = _____ Hg = _____ T ime =_____ # Blows = _____

	AFTER VACUUM CONDITIONING									
G	Weight in Air (SSD)									
I	Weight in Water									
V	Volume	(G-I)								
W	Vol. Abs. Water,cc	(G-A)								
Vv	Vol. Air Voids	(Hv/100)								
N	% Sat	(100W/Vv)								

	INDIRECT TENSILE TESTING									
Specimen Thickness	T_1									
	T_2									
	T_3									
	T									
Specimen Diameter	D_1									
	D_2									
	D									
	Dial Reading									
P	Maximum Load									
S	Strength									
	Strength (Control)									
	Strength (Conditioned)									

	Avg. Strength (Ctrl.)	
	Avg. Strength (Cond.)	
	TSR	

Tested By: _____ Date: _____

Checked By: _____ Date: _____

Remarks: _____

_____

Approved By: **Date:**