MATT MENU SELECTION - 09

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

Lab No ..... ___ - ___

Sampled By *(signature)* _____

Date Sampled ..... ___ - ___ - ___

Submitted By .... ___

Quantity ..... ___ **Unit** ..... ___

Purpose Code .... ___

Source Code ..... ___ **Spec Code** ..... ___

P. O. No. ..... ___

Independent. 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*		XXXX
2 - *Batch Hot Bin* 4 - *Continous*	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: _____

(Over)

APPROVED BY: _____ **DATE:** _____

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

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

E. Max Theo Grav (G_{mm}): _____ Sample Set ID: _____ Seq No: _____ Mix Type: _____

	SAMPLE ID (DOTD TR 304)									
A	Wt. in Air	DOTD TR 304								
B	Wt. in Water	DOTD TR 304								
C	SSD Wt., g	DOTD TR 304								
V	Volume, cc	(C - B)								
D	Bulk Sp Grav G_{mb}	(A / V)								
F	% G_{mm}	(D / E x 100)								
H	% Air Voids	(100 - F)								

Avg %Voids (Cond) : _____ Hg : _____ Weight, g : _____

Avg % Voids (Ctrl) : _____ Time (sec) : _____ No. of Blows/Gyrations : _____

AFTER VACUUM CONDITIONING										
G	Wt. in Air (SSD), g									
I	Wt in Water, g									
V	Volume, cc	(G - I)								
W	Vol. Abs. Water,cc	(G - A)								
Vv	Vol. Air Voids, cc	(H x V) / 100								
N	% Saturation	(100 W / Vv)								

INDIRECT TENSILE TESTING										
Specimen Thickness (in / mm) *Circle Unit Used*	T_1									
	T_2									
	T_3									
	T									
Specimen Diameter (in / mm) *Circle Unit Used*	D_1									
	D_2									
	D									
	Dial Reading (Ring # _____)									
P	Maximum Load (From Chart)									
S	Strength, PSI (kPa)									
	Strength (Control)									
	Strength (Conditioned)									

	Avg. Tensile Strenght (Control)	
	Avg. Tensile Strength (Cond)	
	TSR $\frac{\text{Avg Cond}}{\text{Avg Cont}}$ X 100	

Remarks: _____

Tested By: _____ Date: _____

Checked By: _____ Date: _____

Approved By: _____ **Date:** _____