

TENSILE STRENGTH RATIO (TSR) WORKSHEET (AASHTO T-283)

Project Number				Date			Mix Design Number		
Contractor						Type of Mixture			
	A	B	C	D = (B-C)	E = (A/D)	F	G = (F-E)/F*100	H	I = H/25.4
Sample #	Weight in Air	SSD Weight	Weight in Water	Volume of Sample	Gmb	Gmm	Air Voids	Height (mm)	Height (inch)

CONDITIONED SET

	J = (G/100) * D	B	K	L = ((K - B)/J)*100	M	N = 2M/(3.14*5.9*I)	S1
Sample #	Volume of Air Voids	Initial Dry Weight	New SSD Weight	Percent Saturation	Load (Lbs)	Tensile Strength (TS)	Avg. Tensile Strength

UNCONDITIONED SET

	M	N = 2M/(3.14*5.9*I)	S2
Sample #	Load (Lbs)	Tensile Strength (TS)	Avg. Tensile Strength

(S1/S2)*100
Tensile Strength Ratio (TSR)