DENSITY TEST WORKSHEET - VOLUME MEASURE

North Dakota Department of Transportation, Materials & Research Division

SFN 2454 (Rev. 02-2009)

Project Number	PCN	Date	Tested By

TEST ITIFICA		Test Number						
		Time						
		Station						
		Offset from centerline						
		Lane						
		Depth below finished grade	ft.					
LACE T ME MEA	a	Final volume reading	cu.ft					
	b	Initial volume reading	cu.ft.					
	c	Volume of hole = a - b	cu.ft					
	d	Wet weight of soil	lbs.					
	e	Wet density = d/c	lbs./cu.ft.					
	f	Moisture	%					
	g	Dry density = $\frac{e \times 100}{100 + f}$	lbs./cu.ft.					
URE-DE IONSHI		AASHTO procedure						
		Test Number (Proctor test)						
		Station						
		Offset from centerline						
		Depth below finished grade	ft.					
	h	Maximum dry density	lbs./cu.ft.					
	i	Optimum moisture	%					
EQUIRE S.-DEI	k	Required % maximum dry density						
	l	% Maximum dry density = (g/h) x 100						
	m	Required moisture	%					
	n	Moisture = f	%					
OISTUF ERMINA		Container ID						
	p	Wet weight + container						
	q	Dry weight + container						
	r	Moisture loss (p - q)						
	s	Tare weight of container						
	t	Dry weight of soil (q - s)						
	f	Moisture (r/t) x 100	%					

Remarks: