HOT MIX DESIGN DATA WORK SHEET - RICES METHOD

North Dakota Department of Transportation, Materials and Research
SFN 7925 (Rev. 01-2009)

Project	PCN	Date

a) Bulk specific gravity of aggregate.	
b) Asphalt content, %.	
c) Asphalt specific gravity.	

	Flask 1	Flask 2	
d) Sample, container, and solution.			
e) Container and solution.			
f) Sample in solution. d - e			
g) Sample in air.			
h) Volume of voidless mix. g - f			
i) Theoretical maximum specific gravity. $\frac{g}{h}$ **			Average
j) Effective specific gravity. $\left(100 - b\right) \div \left(\frac{100}{i\ AVG} - \frac{b}{c}\right)$			
k) Asphalt absorption. $\frac{100 \times (j - a)}{j \times a} \times c$			

AASHTO T-209 Tested By:

**Flask 1 and 2 must be within the 0.011 tolerance for the average to be valid.