

EQUIPMENT

- 1. BALANCE: minimum sensitivity of 0.1 g? _____
- (a) Equipped to permit weighing of sample in water? _____
- 2. WATER BATH: fitted with overflow outlet for maintaining water as constant level? _____

PROCEDURE

- 1. Carefully brush off loose particles? _____
- 2. Determine mass of sample in air (laboratory prepared samples)? _____
- 3. Determine mass of sample in water at 25°C? _____
- (a) Sample in water for 3-5 minutes? _____
- (b) Record water temperature? _____
- 4. Briquette weighed in water with curved side down? _____
- (a) Pavement sample weighed with side or end on bottom? _____
- 5. After weighing in water carefully surface dry sample with towel? _____
- 6. Determine the mass of surface dry sample? _____
- 7. Dry pavement samples to constant mass at 110°C±5°C (not necessary for lab prepared samples)? _____
- 8. Calculate B.R.D.? _____

$$\text{B.R.D.} = \frac{A^1}{(A^2 - B^1)}$$

where: A¹ = dry mass of sample in air, g
A² = surface dry mass of sample in air, g
B¹ = mass of sample in water, g

- 9. Correction for water temperature if not at 25°C? _____

$$\text{B.R.D. (at 25°C)} = \text{B.R.D. (at test temperature)} \times K$$

where: K = correction factor listed in table 1

[Fill in Y for Yes - N for No - NA for not applicable (**NOTE:** N or NA require comment)]

COMMENTS:

Name of Laboratory: _____

Date: _____ Inspection No.: _____ Inspector: _____