SPECIFIC GRAVITY OF BITUMINOUS MIX COMPONENTS

DATE

PROJECT

JOB

COARSE AGGREGATE	**UNITS** *(Grams)*			
MATERIAL _____ SIEVE AND RETAINED ON _____ SIEVE				
SAMPLE NUMBER				
1. WEIGHT OF OVEN - DRY AGGREGATE				
2. WEIGHT OF SATURATED AGGREGATE IN WATER				
3. DIFFERENCE *(Line 1 minus 2)*				
APPARENT SPECIFIC GRAVITY, G = $\frac{\textit{(Line 1)}}{\textit{(Line 3)}}$				
FINE AGGREGATE	**UNITS** *(Grams)*			
MATERIAL PASSING NUMBER _____				
SAMPLE NUMBER				
4. WEIGHT OF OVEN - DRY MATERIAL				
5. WEIGHT OF FLASK FILLED WITH WATER AT 20°C				
6. SUM *(Line 4 + 5)*				
7. WEIGHT OF FLASK + AGGREGATE + WATER AT 20°C				
8. DIFFERENCE *(Line 6 minus 7)*				
APPARENT SPECIFIC GRAVITY, G = $\frac{\textit{(Line 4)}}{\textit{(Line 8)}}$				
FILLER	**UNITS** *(Grams)*			
SAMPLE NUMBER				
9. WEIGHT OF OVEN - DRY MATERIAL				
10. WEIGHT OF FLASK FILLED WITH WATER AT 20°C				
11. SUM *(Line 9 + 10)*				
12. WEIGHT OF FLASK + AGGREGATE + WATER AT 20°C				
13. DIFFERENCE *(Line 11 minus 12)*				
APPARENT SPECIFIC GRAVITY, G = $\frac{\textit{(Line 9)}}{\textit{(Line 13)}}$				
BINDER	**UNITS** *(Grams)*			
SAMPLE NUMBER				
14. WEIGHT OF PYCNOMETER FILLED WITH WATER				
15. WEIGHT OF EMPTY PYCNOMETER				
16. WEIGHT OF WATER *(Line 14 minus 15)*				
17. WEIGHT OF PYCNOMETER + BINDER				
18. WEIGHT OF BINDER *(Line 17 minus 15)*				
19. WEIGHT OF PYCNOMETER + BINDER + WATER TO FILL PYCNOMETER				
20. WEIGHT OF WATER TO FILL PYCNOMETER *(Line 19 minus 17)*				
21. WEIGHT OF WATER DISPLACED BY BINDER *(Line 16 minus 20)*				
APPARENT SPECIFIC GRAVITY, G = $\frac{\textit{(Line 18)}}{\textit{(Line 21)}}$				

TECHNICIAN *(Signature)*	COMPUTED BY *(Signature)*	CHECKED BY *(Signature)*

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