

DETERMINATION OF LOT MATERIAL SPREAD QUANTITY REQUIRED AND PAY FACTOR FOR
END PRODUCT METHOD OF ACCEPTANCE AND PAYMENT FOR AC

Project No. _____

Type of Material _____

Date _____

Lot Number _____

Calculation of Quantity Required (Tons)

Laboratory Mix Design Density = _____ pounds per cubic foot

Location	Station	to	Station	Length	*Width	Average Thick. (inch)	**Calculated Cubic Foot

Total Calculated Cubic Foot in Lot = _____

Calculated Tons Requires = $\frac{(\text{Total Calculated Cubic Foot in Lot}) \times (\text{Lab Mix Design Density})}{2000} = \underline{\hspace{2cm}}$

= $\frac{(\hspace{2cm}) \times (\hspace{2cm})}{2000} = \underline{\hspace{2cm}}$ ton

* For areas with varying widths, such as tapers, use average width

** Calculated Cubic Foot = (Length) x (Width) x $\frac{(\text{Average Thickness})}{12}$

Actual Quantity Placed = _____ ton

% Variance from Quantity Reported = $\frac{(\text{Quantity Placed}) - (\text{Quantity Required})}{(\text{Quantity Required})} \times 100 = \underline{\hspace{2cm}}\%$

= $\frac{(\hspace{2cm}) - (\hspace{2cm})}{(\hspace{2cm})} \times 100 = \underline{\hspace{2cm}}\%$

If the percent variance from the required quantity is more than 5.0%, no payment is made for material that exceeds 5.0% (record calculations and deductions for asphalt cement and mineral admixture in the Remarks area below). If the percent variance from the required quantity is +5.0% to -2.0%, no adjustment is made. If the percent variance from the required quantity is -2.1% to -12.0% the appropriate pay factor determined from Table 416-2 = _____

Table 416-2	
Pay Factors For Material Spread	
Negative Variance %	Pay Factor (Dollar)
2.1 - 3.0	- 0.10
3.1 - 4.0	- 0.20
4.1 - 5.0	- 0.30
5.1 - 6.0	- 0.40
6.1 - 7.0	- 0.50
7.1 - 8.0	- 0.60
8.1 - 9.0	- 0.70
9.1 - 10.0	- 0.80
10.1 - 11.0	- 0.90
11.1 - 12.0	- 1.00

Remarks: _____

Asphalt Cement Deduction (if applicable): _____ ton

Mineral Admix. Deduction (if applicable): _____ ton

Contractor's Signature: _____

Inspector's Signature: _____