

**Indiana Department of Transportation
PG Asphalt Binder Material Cost Adjustment Calculation**

Rev. 04-06-22

Contract No: R-43000 **Letting Date:** May 6, 2022 **Month & Year of Calculation:** June-22

LI = 645 **BI** = 715 **(BI - LI)/LI** = 0.109

Absolute Value of **(BI - LI)/LI** ≥ 0.101? **YES** MPA Calculated Below For Price Increase: **MPA = (Q x Pb)/100 x LI x [(BI - LI)/LI - 0.100]**
For Price Decrease: **MPA = (Q x Pb)/100 x LI x [(BI - LI)/LI + 0.100]**

MPA = Mixture Payment Adjustment; **Q** = Quantity of HMA pay item placed during the month; **Pb** = Percent of virgin asphalt binder from DMF or JMF; **LI** = Asphalt binder index for the contract (= BI for month prior to letting); **BI** = Asphalt binder index for the month

MPA Data					
HMA Pay Item No.	Pay Item Description	Q (Ton)	DMF or JMF	Pb (%)	MPA (\$)
59	QC/QA HMA,5,76,SURFACE,9.5MM	1712.32	123456	4.1	386.13
62	QC/QA HMA,5,76,INTERMEDIATE,OG 25.0MM	3426.87	123456	4.6	867.00
63	HMA SURFACE TYPE B	234.12	123456	4.7	60.52
64	HMA INTERMEDIATE TYPE B	476.98	123456	5.1	133.79
65	HMA BASE TYPE B	934.56	123456	4.8	246.72
66	HMA, TYPE B, WEDGE & LEVEL	402.17	123456	5.2	115.02
273	HMA PAVEMENT MIX, WARRANTED	51263.17	123456	4.3	12,123.74
274	SMA PAVEMENT MIX, WARRANTED	12376.92	123456	4.6	3,131.36
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00

For **June-22** Item No. **68** **Payment Adjustment, PG Asphalt Binder = (Sum of MPA)** **\$17,064.28**

FCR Pg. No. 68-1