

Possible Causes of Deficiencies in Aphalt Paving Mixtures

	Aggregate too wet	Inadequate Bunker Separation	Aggregate Feed Gates Not properly set	Over-rated Dryer Capacity	Dryer set too steep	Improper Dryer Operation	Temp. Indicator out of adjustent	Aggregate Temperature too high	Worn out screens	Faulty screen operation	Bin overflows	Leaky Bins	Segregation of Aggregates in Bins	Carryover in Bins Due to Overloading Screens	Aggregate Scales Out of Adjustment	Improper Weighing	Feed of Mineral Filler Not Uniform	Insufficient Aggregate in Hot Bins	Insufficient Weighing Sequence	Too Much Asphalt	Faulty Distribution of Asphalt	Asphalt Scales Out of Adjustment	Asphalt Meter Out of Adjustment	Mixing Time Out of Adjustment	Improperly Set or Worn Batch	Faulty Dump Gate	Asphalt and Aggregate Feed Not Synchronized	Irregular Plant Operation	Faulty Sampling									
		A											B	B							A	A	A	B	C	B	B	B		C			A	Asphalt Content Does Not Check JMF				
	A	A					B	B	B	B	A	A	B	B	B	A							B	B	B	C	B				A	A	Aggregate Gradation Does Not Check JMF					
	A	A						B	B	B	A	A	B	B	B	A										C	B					A	A	Excessive Fines in Mix				
A			A	A	A	A	A																									A	A	Uniform Temperatures Difficult to Maintain				
										B			B	B																					B	Truck Weights Do Not Check Batch Weights		
													B	B								A	A	B	C	B		B							C	Free Asphalt on Mix in Truck		
																B									B										B	Free Dust on Mix in Truck		
A			A	A	A	A											A		A	B	C	B	B	B		C							A	A	Large Aggregate Uncoated			
								B	B	A	A	A	B	B	B	A	B			A	B	C		B	B	B	C	B	A						A	Mixture in Truck Not Uniform		
																B				A			B	B	B									A	A	Mixture in Truck Fat on one side		
					A															A	A	B	C	B										C	A	Mixture Flattens in Truck		
		A			A	A	A																											A	A	Mixture Burned		
A			A	A	A	A		B									A			B	C	B					C							A	A	Mixture is Brown or Gray		
													B	B	B	A				A	A	B	C	B											C	A	Mixture too Fat	
					A	A	A																												A	A	Mixture Smokes in Truck	
A			A	A	A	A																													A	A	Mixture Steams in Truck	
					A	A	A													A																A	A	Mixture Appears Dull in Truck

*Types of Deficiencies
That May Be
Encountered in
Producing Plant Mix*

"A" - Applies to Batch & Drum Mix Plants

"B" - Applies to Batch Mix Plants

"C" - Applies to Drum Mix Plants