

F/HWD Asphalt Mix Design Data

F/HWD Placement Asphalt Mix % of Final Agg. Blend: P-401 Surface PG 64-22

Material	P-401
#7 Stone, %	18
#8 Stone, %	22
#9 Stone, %	11
#10 Screenings, %	48
Bag House Dust	1

Job Mix Formula Gradation

Sieve	#7 Stone - 18%		#8 Stone - 22%		#9 Stone - 11%		#10 Screen. - 48%		Dust - 1%		JMF Grad.	Spec.
	%Pass	%Batch	%Pass	%Batch	%Pass	%Batch	%Pass	%Batch	%Pass	%Batch		
1"		0		0		0		0		0	0	
3/4"	100.0	18.0	100.0	22.0	100.0	11.0	100.0	48.0	100.0	1.0	100.0	100
1/2"	74.5	13.4	100.0	22.0	100.0	11.0	100.0	48.0	100.0	1.0	95.4	79 - 99
3/8"	50.9	9.2	83.4	18.3	100.0	11.0	100.0	48.0	100.0	1.0	87.5	66 - 88
#4	17.4	3.1	15.5	3.4	80.2	8.8	96.9	46.5	100.0	1.0	62.9	48 - 68
#8	8.6	1.5	5.7	1.3	18.3	2.0	64.7	31.1	100.0	1.0	36.9	33 - 53
#16	6.6	1.2	4.2	0.9	7.8	0.9	38.2	18.3	100.0	1.0	22.3	20 - 40
#30	6.0	1.1	3.7	0.8	4.8	0.5	24.4	11.7	100.0	1.0	15.1	14 - 30
#50	5.8	1.0	3.4	0.7	4.2	0.5	17.8	8.5	97.8	1.0	11.8	9 - 21
#100	5.5	1.0	3.2	0.7	3.8	0.4	12.2	5.9	88.1	0.9	8.8	6 - 16
#200	4.8	0.9	2.7	0.6	2.6	0.3	6.8	3.3	76.3	0.8	5.8	3 - 6

Hot Mix Design Data: Marshall Method

AC Specific Gravity	1.028
Mixing Temp., F	325
Compaction Temp., F	285
Asphalt Content, %	5.0
Marshall Stability, Lbs	3287
Flow Value, .01 in.	8.3
Air Voids, %	3.4
VMA, %	15.4
Unit Weight, lbs/cu ft	158.5
Max. Theor. Specific Gravity	2.628

F/HWD Placement Asphalt Mix % of Final Agg. Blend: P-403 Base PG 64-22

Material	P-401
#67 Stone, %	23
#8 Stone, %	28
#10 Screenings, %	48
Bag House Dust	1

Job Mix Formula Gradation

Sieve	#67 Stone - 23%		#8 Stone - 28%		#10 Screen. - 48%		Dust - 1%		JMF Grad.	Spec.
	%Pass	%Batch	%Pass	%Batch	%Pass	%Batch	%Pass	%Batch		
1"	100.0	23.0	100.0	28.0	100.0	48.0	100.0	1.0	100.0	100.0
3/4"	85.3	19.6	100.0	28.0	100.0	48.0	100.0	1.0	96.6	76 - 98
1/2"	37.3	8.6	100.0	28.0	100.0	48.0	100.0	1.0	85.6	66 - 86
3/8"	13.9	3.2	84.9	23.8	100.0	48.0	100.0	1.0	76.0	57 - 77
#4	1.4	0.3	14.7	4.1	96.9	46.5	100.0	1.0	52.0	40 - 60
#8	0.9	0.2	5.1	1.4	64.7	31.1	100.0	1.0	33.7	26 - 46
#16	0.9	0.2	3.8	1.1	38.2	18.3	100.0	1.0	20.6	17 - 37
#30	0.9	0.2	3.3	0.9	24.4	11.7	100.0	1.0	13.8	11 - 27
#50	0.9	0.2	3.1	0.9	17.8	8.5	97.8	1.0	10.6	7 - 19
#100	0.9	0.2	2.9	0.8	12.2	5.9	88.1	0.9	7.8	6 - 16
#200	0.8	0.2	2.5	0.7	6.8	3.3	76.3	0.8	4.9	3 - 6

Hot Mix Design Data: Marshall Method

AC Specific Gravity	1.028
Mixing Temp., F	325
Compaction Temp., F	285
Asphalt Content, %	4.8
Marshall Stability, Lbs	3293
Flow Value, .01 in.	8.8
Air Voids, %	3.3
VMA, %	14.6
Unit Weight, lbs/cu ft	159.8
Max. Theor. Specific Gravity	2.649