



MASSDOT Revised 1/21/2017

COMPANY: TL Edwards
 PLANT LOCATION: Avon

CITY: Avon
 PLANTS

DATE: 3/14/2019
 REVISION #
 DATE OF REVISION:
 TELEPHONE #: 508-583-2029

ID #	Batch/Drum Size	Automatic Controls [X]	PG Binder Tanks	Mix Silos, Insulation / Heated [X]	ALLOWABLE TOLERANCES
2	tons/ tons/	Tph part full X w/printer X	3 @ 20k gals	3 @ 200 ton, ins. X	Eng. Limit All Mixes for OGFC JMFTarget +/- 7.9% JMFTarget +/- 5.9%
COARSE AGGREGATE					
Nom size					
1 1/2", 3/4" TL Edwards Stoughton MA					
1/2", 3/8" TL Edwards Stoughton MA					
FINE AGGREGATE					
Nom size					
1/2", 3/4" TL Edwards Stoughton MA					
1/2", 3/8" TL Edwards Plymouth MA					
RAP AMOUNT					
Mix Type	Amount	Size	Binder	Mineral Filler	PG Binder/Modifier
Base***	20	1/2"	64-28	% and Kind 2	Grade 64-28 Bitumar Providence RI
Intermediate***	20	1/2"	64-28	Kind Baghouse Fines	64-28 Aggregate Industries Everett MA
Surface	15	1/2"	64-28		
Special Material:					
OGFC Polymer	3	%	Kind Ultrapave Latex	Anti-Strip: 0.75	% of Binder Kind: Parakote
Warm Mix Technology:	0.4	%	Kind Exotherm	Silicone: 1	oz per 5000 gals.
*** Warm mix additives are only to be used as a compaction aide and not to lower the target production or compaction temperatures.					
** Less than 5.5% binder for HMA Surf. Course - Dense Binder and Mod Top					
*** Batch plants may not exceed 20% RAP					
**** RAP is not allowed in OGFC					

DR	HMA	HMA	HMA Interm.	HMA Surface	HMA Surface	HMA Surface	HMA	HMA	HMA	HMA	HMA	HMA
5/8"	58	62-68	68	72-73	73	72-73	73	95-100	98	86-93	92	100
3/8"	36	35-43	39	55-58	55	55-58	55	87-93	88	75-81	81	100
#4	27	24-34	30	41-45	41	41-45	41	57-69	61	55-61	55	94-100
#8	13	12-18	14	21-26	21	21-26	21	18-26	22	18-26	21	28-34
#16	8	9-11	9	14-18	14	14-18	14	9-12	9	10-12	10	10-14
#30	2	2-3	3	2-4	4	2-4	4	9-12	9	10-12	10	10-14
#50	4.5	4.9-5.1	5.0	5.4-5.6	5.5	** 5.4-5.6	5.5	4.5	4	4	4	6
#200	2.534	2.527	2.516	2.516	2.516	2.431	2.431	2.439	2.416	2.416	2.411	2.411
Max. Theo Sp. Gr.												

FORMULAS
 (DR = Design Range of Specifications, JM = Job Mix Formula)
 Aggregate Percentages below are proportional percentages of total aggregate for the mix.

We agree to furnish mixes to MassDOT projects produced from only above referenced materials, within allowable tolerances of the exact formulas given above. We also understand that formulas are to be submitted annually, prior to production for MassDOT work, and any subsequent changes in materials or formulation will require resubmission for approval.

Authorized Signature and Title: Mark Brum
 e-mail address: sedwards@tlcedwards.net
 MassDOT Approval: Mark Brum



COMPANY: TL Edwards
 PLANT LOCATION: Plymouth

CITY: Plymouth

DATE: 3/14/2019
 REVISION #
 DATE OF REVISION:
 TELEPHONE #: 508-732-9148

HOT MIX ASPHALT JOB MIX FORMULAS

RM/S-043 Revised 1/21/2017

ID #	Batch/Drum Size	Automatic Controls (X)						PG Binder Tanks			Mix Silos: Insulation / Heated (X)			ALLOWABLE TOLERANCES		
		tons/ tons/	Tph	part	part	full	X	3 @	20K	gals.	3 @	200	ton, ins.	X	hd	Eng. Limit All Mixes
1	400 tons/	Tph	part	part	full	X	@		gals.	@		ton, ins.	X	hd	JMF Target +/- 7 %	JMF Target +/- 5 %
							@		gals.	@		ton, ins.	X	hd	JMF Target +/- 7 %	JMF Target +/- 5 %
							@		gals.	@		ton, ins.	X	hd	JMF Target +/- 7 %	JMF Target +/- 5 %

Nom size	COARSE AGGREGATE		FINE AGGREGATE		RAP AMOUNT		FINE AGGREGATE		RAP AMOUNT		FINE AGGREGATE		RAP AMOUNT	
	TL Edwards Stoughton MA	TL Edwards Stoughton MA	TL Edwards Stoughton MA	TL Edwards Stoughton MA	TL Edwards Stoughton MA	TL Edwards Stoughton MA	TL Edwards Stoughton MA	TL Edwards Stoughton MA	TL Edwards Stoughton MA	TL Edwards Stoughton MA	TL Edwards Stoughton MA	TL Edwards Stoughton MA	TL Edwards Stoughton MA	TL Edwards Stoughton MA
1 1/2", 3/4"	25 %	1/2"	25 %	1/2"	25 %	1/2"	25 %	1/2"	25 %	1/2"	25 %	1/2"	25 %	1/2"
1/2", 3/8"	25 %	1/2"	25 %	1/2"	25 %	1/2"	25 %	1/2"	25 %	1/2"	25 %	1/2"	25 %	1/2"

FORMULAS

(DR = Design Range of Specifications, JM = Job Mix Formula)

Aggregate Percentages below are proportional percentages of total aggregate for the mix.

Sieve Size	HMA Base		HMA Binder		HMA Intern.		HMA Surface		HMA Surface		HMA Surface		HMA Surface		HMA Surface		HMA Surface		
	DR	JM	DR	JM	DR	JM	DR	JM	DR	JM	DR	JM	DR	JM	DR	JM	DR	JM	
2"	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
1"	64-80	80	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
3/4"	87-93	93	87-93	93	87-93	93	87-93	93	87-93	93	87-93	93	87-93	93	87-93	93	87-93	93	87-93
5/8"																			
1/2"	47-58	58	62-68	68	72-73	73	72-73	73	72-73	73	72-73	73	72-73	73	72-73	73	72-73	73	72-73
3/8"																			
#4	27-38	36	35-43	39	55-58	55	55-58	55	57-69	61	55-61	55	62-73	73	94-100	94	35-45	45	
#8	19-29	27	24-34	30	41-45	41	41-45	41	41-45	41	37-42	41	52-55	53	68-81	72	8-12	11	
#16																			
#30	12-13	13	12-18	14	21-26	21	21-26	21	21-25	22	18-26	21	28-34	28	30-46	39			
#50	8	8	9-11	9	14-18	14	14-18	14	14-17	14	13-17	13	18-23	18	17-27	22			
#100																			
% 200	2	2	2-3	3	2-4	4	2-4	4	4-5	4	4-5	4	4	4	6	6	2	2	
% Binder	4.4-4.6	4.5	4.9-5.1	5.0	5.4-5.6	5.5	** 5.4-5.6	5.5	* 5.9-6.6	6.0	** 5.4-5.6	5.5	7.4-7.6	7.4	7.4-7.6	7.5	6.3-6.7	6.3	
Max. Theo Sp. Gr.	2.534		2.527		2.516		2.516		2.431		2.439		2.416		2.411				

We agree to furnish mixes to MassDOT projects produced from only above referenced materials, within allowable tolerances of the exact formulas given above. We also understand that formulas are to be submitted annually, prior to production for MassDOT work, and any subsequent changes in materials or formulation will require resubmission for approval.

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