



Texas Materials Group
San Antonio Texas
BITUMINOUS MIXTURE DESIGN

PROJECT NAME:

COUNTY:

CONTRACTOR: Facilities Rehab

PRODUCER TMG

SPECIFICATION ITEM: 341

TYPE MIX: Ty D 64-22

DESIGN NUMBER: 225223.64.01

DATE: February 6, 2023

COMPACTION 35 Gyrations SGC 96.0 Target

DATE: 300 MIX 250 Molding

PLANT Beckmann

Combined Gradation

District:	San Antonio	Producer:	TMG
County:	0	Design #:	225223.64.01
		Spec.Item	340
		Contractor:	Facilities Rehab
		Type Mix:	D
Project:	0		

														Total % 100.0			
Sieve Size	Bin #1 30.0	Total %	Bin #2 22.0	Total %	Bin #3 30.0	Total %	Bin #4 6.0	Total %	Bin #5 12.0	Total %	Bin #6 0.0	Total %	Cumulative Pass		TxDOT Specs.	Individ. Ret.	Cumul. Ret.
-	100.0	30.0	100.0	22.0	100.0	30.0	100.0	6.0	100.0	12.0		0.0	100.0	-		0.0	0.0
3/4"	100.0	30.0	100.0	22.0	100.0	30.0	100.0	6.0	100.0	12.0		0.0	100.0	100 - 100		0.0	0.0
1/2"	100.0	30.0	100.0	22.0	100.0	30.0	100.0	6.0	100.0	12.0		0.0	100.0	98 - 100		0.0	0.0
3/8"	97.0	29.1	98.3	21.6	99.9	30.0	100.0	6.0	100.0	12.0		0.0	98.7	85 - 100		1.3	1.3
#4	75.0	22.5	13.6	3.0	84.4	25.3	99.9	6.0	100.0	12.0		0.0	68.8	50 - 70		29.9	31.2
#8	52.9	15.9	1.8	0.4	8.0	2.4	87.7	5.3	99.7	12.0		0.0	36.0	35 - 46		32.8	64.0
#30	29.5	8.9	1.5	0.3	1.3	0.4	38.9	2.3	80.5	9.7		0.0	21.6	15 - 29		14.4	78.4
#50	22.0	6.6	1.4	0.3	1.2	0.4	25.1	1.5	33.5	4.0		0.0	12.8	7 - 20		8.8	87.2
#200	8.0	2.4	1.1	0.2	1.0	0.3	8.3	0.5	2.2	0.3		0.0	3.7	2 - 7		9.1	96.3
Pan																3.7	100.0
Asphalt Content of RAP in Bin # 1(If Applicable) = 4.2 %																	

** DOES NOT MEET SPECIFICATION

Asphalt Source & Grade:	Valero CC 64-22
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NOTES: Antistrip Type & Percent:

Specific Gravity of AC 1.030

Aggregate Classification: B Minimum

English	1 1/2"	1 1/4"	1"	7/8"	5/8"	1/2"	3/8"	1/4 "	#4	#10	#40	#80	#200
Metric	37.5 mm	31.5 mm	25.0 mm	22.4 mm	16.0 mm	12.5 mm	9.5 mm	6.3 mm	4.75 mm	2.0 mm	0.425 mm	0.180 mm	0.075 mm

Level 2 Technician: R. Rios

Tx. DOT Certification #: ###