



**TEXAS DEPARTMENT OF TRANSPORTATION
AUSTIN DISTRICT LAB**

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AUS LAB NUMBER: 202099

SITEMANAGER # SSAUSLAB202099

REPORT DATE: 1/14/2021

STOCKPILE ID# 609

STOCKPILE QTY 28,580 CY

Report of: Physical Test for Flexible Base Material
Specifications: TxDOT Standard Specification Item 247 Type A, Grade 1, 2, 4, and 5

Test Methods: TEX-100-E, TEX-101-E, TEX-104-E, TEX-105-E, TEX-106-E
TEX-110-E, TEX-113-E, TEX-116-E, TEX-117-E_Part II

Producer: Chanas Aggregates
Sampled By: Carlos Rivera
Date Sampled: 12/29/2020
Material Description: Flex Base
Technician: Rene Gonzalez Sr. (Rodriguez Engineering)
Gilberto Velador (Rodriguez Engineering)
Gelacio Gutierrez (Rodriguez Engineering)
Brent Napier Sr. (Rodriguez Engineering)
Rene Gonzalez Jr. (Rodriguez Engineering)

Moisture-Density Relationship

Maximum Dry Unit Wt. 146.5 pcf
Optimum Moisture, OM 6.2 %

Texas Triaxial: TEX-117-E, Part II (Accelerated Method)

	Value in psi	GRADE 1-2	GRADE 3	*GRADE 4	GRADE 5
Compressive Strength at 0 psi Lateral Pressure	22	Min. 35	Min.	--	--
Compressive Strength at 3 psi Lateral Pressure	95	--	--	Min. 90	Min. 90
Compressive Strength at 15 psi Lateral Pressure	193	Min. 175	Min.	Min. 175	Min. 175

Wet Ball Mill (Tx-116-E)

	Test (1)	Test (2)	Gr. 1-2,4,5
Wet Ball Mill Value	18	22	Max. 40
Increase in Minus #40	4	6	Max. 20

Sieve Analysis (Tx-110-E)

	1	2	3	4	Combined		Average	GRADE 1-2	GRADE 3	*GRADE 4	GRADE 5
					1, 2	3, 4					
1-3/4"	0	0	0	0	0	0	0	0 - 10	0 - 10	0 - 5	0 - 5
7/8"	16	13	8	7	14	9	11	10 - 35	- -	10 - 35	10 - 35
3/8"	52	44	37	33	48	35	42	30 - 65	- -	30 - 65	30 - 65
#4	67	60	56	51	64	54	59	45 - 75	45 - 75	45 - 75	45 - 75
#40	87	83	83	80	85	82	83	65 - 90	50 - 85	70 - 90	70 - 90

Atterberg Limits (Tx-104-106-E)

	1	2	3	4	Combined		Average	GRADE 1-2	GRADE 3	*GRADE 4	GRADE 5
					1, 2	3, 4					
Liquid Limit								Max. 40	Max. 40	Max. 35	Max. 35
Plastic Limit								--	--	--	--
Plasticity Index	2	1	5	5	5	4	4	Max. 10	Max. 12	Max. 10	Max. 10
Linear Shrinkage	1	0	3	3	3	2					

Reviewed By: **Gisel Carrasco, P.E.**
Approval: **Grade 1-2: Does not meet specifications**
Grade 3: Meets specifications
Grade 4: Meets specifications
Grade 5: Meets specifications

* These are Austin District Grade 4 requirements; Other District Grade 4 requirements may vary or differ, please refer to the plan notes of the project.

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