



Somat Engineering, Inc.

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ASTM C136

REPORT NUMBER: 701-1 SHEET: 1 OF 1

MECHANICAL ANALYSIS REPORT

DATE SAMPLED: 9/4/2019
JOB NUMBER: 2019057C (PW-7007)
PROJECT NAME: Bagley Streetscape
SAMPLE ID: A-2019057C-AL-2019-04-09-002
LOT/SUBLOT: N/A

CLIENT: AECOM & City of Detroit
CONTRACTOR: Major Cement
SUPPLIER: Unknown (onsite stockpile)
LOCATION: Stockpile
SAMPLED BY: Andrew Lee (SE)

MATERIAL				SPECIFICATION		PRODUCER					
Open-Graded Drainage Course, Modified - 4G				MDOT 12CF303 Prior Placement/Compaction		Onsite Stockpile					
SIEVE	RANGE	RETAINED FRACTIONAL		PERCENTS CUMULATIVE							
		WEIGHT	PERCENT	RETAINED	PASSING	INITIAL WEIGHT OF SAMPLE:		5175	GRAMS		
3 INCH						WEIGHT AFTER WASHING:		4952	GRAMS		
2 INCH		0	0.0	0.0	100	LOSS BY WASH (CLAY & SILT):		223	GRAMS	4	%
1 1/2 INCH	100	0	0.0	0.0	100	PICK WEIGHT:			GRAMS		%
1 INCH	85-100	200	3.9	3.9	96	CRUSHED MATERIAL:			GRAMS		%
3/4 INCH		574	11.1	15.0	85	CLAY-IRONSTONE:			GRAMS		%
1/2 INCH	45-65	1091	21.1	36.1	64	SOFT PARTICLES:			GRAMS		%
3/8 INCH		566	10.9	47.0	53	CHERT:			GRAMS		%
NO. 4		1078	20.8	67.8	32	ASPHALT:			GRAMS		%
NO. 8	15-30	619	12.0	79.8	20	FINENESS MODULUS:					
NO. 10						ORGANIC PLATE NUMBER:					
NO. 16		333	6.4	86.2	14	MATERIAL MEETS OR FAILS:		MEETS			
NO. 30	6-18	215	4.2	90.4	10	REMARKS:					
NO. 40						Sample requested for informational purposes, material met gradation requirements per Table 2 of the special provision - Test Strip typically required and performed by MDOT CFS					
NO. 50											
NO. 100											
NO. 200											
PAN		276	5.3	95.7	4						
LBW 75 µm	6.0 max	223	4.3	100.0							
TOTAL		5175	100.0								
SOMAT LAB TESTER:			Brian Gondek			TEST DATE:		9/5/2019			
SOMAT PROJECT MANAGER(s):			Steve Drummond			REVIEW DATE:		9/5/2019			

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