



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-2019-04-09-001
LOT/SUBLOT: N/A

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

MATERIAL				SPECIFICATION		PRODUCER					
Open-Graded Drainage Course, Modified - 4G				MDOT 12CF303 After Placement/Compaction		Onsite Stockpile (placed & compacted)					
SIEVE	RANGE	RETAINED FRACTIONAL		PERCENTS CUMULATIVE							
		WEIGHT	PERCENT	RETAINED	PASSING	INITIAL WEIGHT OF SAMPLE:		4571	GRAMS		
3 INCH						WEIGHT AFTER WASHING:		4350	GRAMS		
2 INCH		0	0.0	0.0	100	LOSS BY WASH (CLAY & SILT):		221	GRAMS	5	%
1 1/2 INCH	100	0	0.0	0.0	100	PICK WEIGHT:			GRAMS		%
1 INCH	85-100	157	3.4	3.4	97	CRUSHED MATERIAL:			GRAMS		%
3/4 INCH		496	10.9	14.3	86	CLAY-IRONSTONE:			GRAMS		%
1/2 INCH	45-70	868	19.0	33.3	67	SOFT PARTICLES:			GRAMS		%
3/8 INCH		462	10.1	43.4	57	CHERT:			GRAMS		%
NO. 4		975	21.4	64.8	35	ASPHALT:			GRAMS		%
NO. 8	15-35	636	13.9	78.7	21	FINENESS MODULUS:					
NO. 10						ORGANIC PLATE NUMBER:					
NO. 16		354	7.7	86.4	14	MATERIAL MEETS OR FAILS:		MEETS			
NO. 30	8-22	193	4.2	90.6	9	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		209	4.6	95.2	5						
LBW 75 µm	8.0 max	221	4.8	100.0							
TOTAL		4571	100.0								
SOMAT LAB TESTER:		Brian Gondek				TEST DATE:		9/4/2019			
SOMAT PROJECT MANAGER(s):		Steve Drummond				REVIEW DATE:		9/4/2019			

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