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ASTM D6938

REPORT NUMBER: 201 SHEET: 1 OF 1

DENSITY & MOISTURE DETERMINATION REPORT

DATE: 11/23/2020

JOB NUMBER: 2019057B

PROJECT NAME: Kercheval Streetscape(PW-7005)

LOCATION: Detroit, MI

GAUGE NUMBER: 2131

CLIENT: AECOM & City of Detroit

OWNER: City of Detroit (Public Works)

CONTRACTOR: Major Cement

PROJECT ENGINEER: Allen Ostrowski (AECOM)

WEATHER: Clear

TEST PERFORMED ON:			SUBGRADE		SUBBASE		X	AGGREGATE BASE		BACKFILL		OTHER			
STRUCTURE:			Recycled Crushed Concrete for Concrete Islands on NB side of Kercheval & Baldwin.												
TEST			WET DENSITY		MOISTURE			DRY DENSITY			TEST LOCATION				
ORIG.	RETEST	DEPTH	DENSITY COUNTS	WET DENSITY	MOIST. COUNTS	MOIST.	MOIST.	DRY DENSITY	MAX DENSITY	COMPACT.	STATIONING/LOCATION		OFFSET OF CL (FT)		DBG (FT)
		INCH	DC	PCF	MC	PCF	%	PCF	PCF	%			LEFT	RIGHT	
1		6	2350	129.2	88	12.9	11.1		135.5	95.4	49+00		10.0		0.5
2		6	2307	130.0	97	14.4	12.4		135.5	96.0	47+50		14.0		0.5
MAXIMUM DETERMINATION (FIELD) NOTE: To convert (g) to (lbs): Wt (g) / 453.59 = Wt. (lbs)											STANDARDIZATION				
TEST #	MOIST. %	MOLD VOL. (CFT)	WET SOIL + MOLD (g)	MOLD (g)	WET SOIL (g)	WET SOIL (lbs)	COMPACTED WET SOIL PCF	MAX DENSITY	OPTIMUM MOIST. %	MATERIAL		DENSITY	MOISTURE		
											READING 1	2733	382		
1	11.1	0.0333	4218	2172	2046	4.51	135.5	135.5	9.6-12.6	Recycled Stone	READING 2	2732	379		
											READING 3	2750	383		
											READING 4	2726	383		
											OPERATING STANDARD (READING 5)				
											DENSITY	MOISTURE			
											2730	381			
MIN. COMPACTION REQUIRED:					100.0%			98.0%	X	95.0%		90.0%		OTHER	
MAXIMUM DRY DENSITY BY:					MICH. CONE			D1557		T-99	X	T-180		OTHER	
REMARKS:															
SOMAT FIELD REPRESENTATIVE:											Cody Cervelli				
SOMAT PROJECT MANAGER(s):											Steve Drummond, P.E.				
											DATE:		11/23/2020		
											DATE:		11/24/2020		

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