



City of Detroit

Inspector's Daily Report

7/7/2020 8:09 PM

FieldManager 5.3c

Contract: _PW-7018, City of Detroit Resurfacing 2020

IDR Date 7/7/2020	Day of Week Tuesday	Seq. No. 1	Import Date 7/9/2020	Project Engineer Jim Petronski - WSP	Construction Engineer Abdul Sidique - City of Detroit
Inspector's Initials-Name LE Lenoris Elliott				Federal Project Number	Elec. Attachments None
Prime Contractor Fort Wayne Contracting / Ajax Paving Industries, a joint ven					
Entered By LE, Lenoris Elliott		Revised By		Revision Date	Revision No.
Temperatures ✓ Low: 74 ° F High: 94 ° F		Weather ✓ Sunny			

Comments

Contractor Activities:

Ajax Industries: (Site Time 6:30am to 3:00pm) ✓

Location: Sherwood Street between 7 Mile Road & Nevada Street.

The activities for the PW-7018 City of Detroit Resurfacing Project began by paving Sherwood Street (full width) between 7 Mile Road & Nevada Street. The paving operation was performed by placing the HMA 4E3 leveling course in 2.0" thick compacted layer. A series of steel drum tandem vibratory rollers were utilized to achieve the project density requirements. Several in-place HMA temperatures were obtained and recorded on each batch load truck ticket. Calculated yields were obtained by the Somat inspector. Refer to the attached HMA Yield Calculation Form.

Testing:

Certified HMA technicians from Ajax Paving and Somat were onsite to perform QC/QA HMA sampling and in-place density testing. The certified technicians informed the inspector that the HMA field test results have met the JMF design in-place density requirements as specified in the project contract/plans and specification.

Attachments:

HMA 4E3 yields ✓

Reviewed By: Carly Taylor Carly Taylor
Jul 31 2020 8:19 AM
(Signature)

(Date)

REVIEWED

By Carly Taylor at 12:21 pm, Jul 09, 2020



Somat Engineering, Inc.

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HMA Yield Calculation Form

Name of Observer: Lenoris Elliott		Date: 7/7/2020	
Project Engineer:		MDOT JN:	
Contractor: Ajax Industries		WSP JN:	
Is the contractor pre-qualified for HMA work, by MDOT? Yes: ☒ No: ☐		Project Name:	PW-7018 City of Detroit
		Project Location:	Detroit, Mi.
Field Data Entry and Yield Calculations			
Load #:	7	Location/Station: Sherwood from 7 Mile Road & Nevada-Northbound	
HMA Mix Type:	4E3	A = sft / 9 = syd	Calculated Yield 297.11732 lbs/syd
Length	179 ft		Design Yield = (110lbs/in-syd)/depth
Width	15 ft	298.33 syd	Design Depth 2 inches
Area	2685 sft	(HMA ton)(2000 lbs/ton)	Design Yield 220 lbs / syd
Weight	44.32 ton	88640 lbs	Yield Difference 77.12 lbs / syd
Load #:	14	Location/Station: Sherwood from 7 Mile Road & Nevada-Center Lane	
HMA Mix Type:	4E3	A = sft / 9 = syd	Calculated Yield 252.48227 lbs/syd
Length	235 ft		Design Yield = (110lbs/in-syd)/depth
Width	13.5 ft	352.50 syd	Design Depth 2 inches
Area	3172.5 sft	(HMA ton)(2000 lbs/ton)	Design Yield 220 lbs / syd
Weight	44.5 ton	89000 lbs	Yield Difference 32.48 lbs / syd
Load #:	15	Location/Station: Sherwood from 7 Mile Road & Nevada-Center Lane	
HMA Mix Type:	4E3	A = sft / 9 = syd	Calculated Yield 225.72072 lbs/syd
Length	296 ft		Design Yield = (110lbs/in-syd)/depth
Width	13.5 ft	444.00 syd	Design Depth 2 inches
Area	3996 sft	(HMA ton)(2000 lbs/ton)	Design Yield 220 lbs / syd
Weight	50.11 ton	100220 lbs	Yield Difference 5.72 lbs / syd
Load #:	16	Location/Station: Sherwood from 7 Mile Road & Nevada-Center Lane	
HMA Mix Type:	4E3	A = sft / 9 = syd	Calculated Yield 270.1067 lbs/syd
Length	241 ft		Design Yield = (110lbs/in-syd)/depth
Width	14 ft	374.89 syd	Design Depth 2 inches
Area	3374 sft	(HMA ton)(2000 lbs/ton)	Design Yield 220 lbs / syd
Weight	50.63 ton	101260 lbs	Yield Difference 50.11 lbs / syd
Load #:		Location/Station:	
HMA Mix Type:		A = sft / 9 = syd	Calculated Yield #DIV/0! lbs/syd
Length	0 ft		Design Yield = (110lbs/in-syd)/depth
Width	0 ft	0.00 syd	Design Depth 0 inches
Area	0 sft	(HMA ton)(2000 lbs/ton)	Design Yield 0 lbs / syd
Weight	0 ton	0 lbs	Yield Difference #DIV/0! lbs / syd
Load #:		Location/Station:	
HMA Mix Type:		A = sft / 9 = syd	Calculated Yield #DIV/0! lbs/syd
Length	0 ft		Design Yield = (110lbs/in-syd)/depth
Width	0 ft	0.00 syd	Design Depth 0 inches
Area	0 sft	(HMA ton)(2000 lbs/ton)	Design Yield 0 lbs / syd
Weight	0 ton	0 lbs	Yield Difference #DIV/0! lbs / syd