



City of Detroit

Inspector's Daily Report

7/21/2020 9:05 AM

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 7/11/2020	Project Engineer Jim Petronski - WSP	Construction Engineer Abdul Sidique - City of Detroit
Inspector's Initials-Name KS Kobi Smith				Federal Project Number	Elec. Attachments None
Prime Contractor Fort Wayne Contracting / Ajax Paving Industries, a joint ven					
Entered By KS, Kobi Smith		Revised By CAT, Carly A Taylor		Revision Date 7/21/2020 8:38 AM	Revision No. 1
Temperatures Low: 75 ° F High: 93 ° F		Weather Sunny and HOT			

Comments

7 am – Work continues along Sherwood St in Detroit between 7 mile and Nevada for the PW-7018 Resurfacing project. Ajax began street sweeping the surfaces, which continued throughout the day. The contractor sprayed 1231 Gallons of bond coat (product SS-1H) all over the roadway, one lane at a time ahead of the HMA Paver down the mainline starting at 7 mile working southward down Sherwood working from the East side of the road (NB Lane), working towards the SB lane following the MDOT standards listed under section 501.

Noon – The Paver continued the HMA application of 2.5" compacted to 2" working westward. Ajax boxed out the three buried valve boxes discovered in the NB lane 5' off of the curb face. Traffic Control placed 4" yellow marking tape down the center of the pavement.

5 pm - The crews dispersed for the day after paving. I completed estimating totals for the sidewalk flags to be removed.

Soil and Erosion Control:
Plastic covers over all catch basins

Traffic Control:
Advance warning signs, traffic regulatorsw/signs and barricades north and south along Sherwood St in Detroit between 7 mile and Nevada.

Project Visitors:
Jim Petronsky. Ian Duncan

Materials:
42" hand barricades, 4E3 HMA Leveling, Advance warning signs, temp striping

Attachments:
Cold Milling and HMA paving computations
Yield Computations



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Contractors

Contractor's Name	Personnel	No.	Hrs.	Equipment	No.	Hrs.
Ajax Paving Industries, Inc.	Foreman	1	10.00	CAT Paver AP1055F	1	10.00
	Laborer	5	10.00	CAT Roller finisher	1	10.00
	Operator	7	10.00	CAT Tractor sweeper	1	10.00
	Traffic Controller	1	10.00	CAT Versa-vibe roller CB13	1	10.00
				CAT Versa-vibe roller CB54	1	10.00
				Foreman Pick-up Truck	1	10.00
				Sweeper w/hopper	1	10.00
				Tack Truck	1	10.00

Item Postings

Item/Material Description	Item Code	Prop. Line	Project	Category	Quantity	Unit	Location	Brkdwn ID	Attn
_ Cold Milling HMA Surface, Modified	_50170110280	PW-7018		0000	13,146.510	Syd	Sherwood St between E. 7 Mile and Nevada st in Detroit		
Contractor: Tenmile Creek Excavating, LLC									
Item Remarks: Mainline plus approaches at Hillside and Robinwood.									
12,926.22+174.61+45.68=13,146.51 syd									
_ HMA Approach, Modified	_50170310300	PW-7018		0000	24.240	Ton	Sherwood @ Hillside Sherwood @ Robinwood		
Contractor: Ajax Paving Industries, Inc.									
Item Remarks: Hillside = 19.21 ton									
Robinwood = 5.03 ton									
19.21+5.03=24.24 ton									
HMA, 4E3									
Material Remarks: Ajax Plant #7									
HMA, 4E3	_50100510260	PW-7018		0000	1,421.900	Ton	Sherwood from 7 mile to Nevada		
Contractor: Ajax Paving Industries, Inc.									
Item Remarks: Mainline									
Average yield = 261.36 lb/syd									
See attachments for calculation breakdown.									
HMA, 4E3									
Material Remarks: Ajax Plant #7									
						1,421.90	Ton		



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Item Postings

Item/Material Description	Item Code	Prop. Line	Project	Category	Quantity	Unit	Location	Brkdwn ID	Attn
PavtMrkg,WtRef,Type R, Tape,4 in,Ye,Temp	_812024	0780	PW-7018	0000	114.000	Ft	Sherwood st from 7 mile to Nevada		

Contractor: P.K. Contracting, Inc.

Item Remarks: The 4" yellow temporary stripe have been installed approximately every 50' the entire length of the work area and witnessed by KS.

Pavt Mrkg, Type R, Tape, Yellow

114.00 Ft

Reviewed By: Carly Taylor
(Signature)

Carly Taylor
Jul 31 2020 7:47 AM

(Date)

Cold Milling HMA Surface, Modified & Projected HMA Quantities

DATE: 20200713	OWNER: City of Detroit
JOB NUMBER: PW-7018	CONTRACTOR: Ajax Industrial
PROJECT NAME: PW-7018 City of Detroit Resurfacing 2020	PROJECT ENGINEER: Jim Petronski
LOCATION: Detroit, MI	SHEETS: 1 of 2

Main Street	Sherwood	Street Width (ft)	Street Length (ft)	Mainline HMA (syd)	Area	Mix 4E3 @ 2 inches	Mix 5E3 @ 1.5 inches	PROJECTED HMA (lbs)	PROJECTED 4E3 HMA (tons)	PROJECTED HMA (lbs)	PROJECTED 5E3 HMA (tons)	Date of Completion
No. 1	Start End	7 Mile Nevada	44	2644	12,926.22	220	165	2843768.9	1421.9	2,132,826.7	1,066.41	
No. 2	Start End				0.00			0.0	0.0	0.0	0.00	
No. 3	Start End				0.00			0.0	0.0	0.0	0.00	
No. 4	Start End				0.00			0.0	0.0	0.0	0.00	
No. 5	Start End				0.00			0.0	0.0	0.0	0.00	
No.	Start End				0.00			0.0	0.0	0.0	0.00	
No.	Start End				0.00			0.0	0.0	0.0	0.00	
No.	Start End				0.00			0.0	0.0	0.0	0.00	
No.	Start End				0.00			0.0	0.0	0.0	0.00	
No.	Start End				0.00			0.0	0.0	0.0	0.00	
No.	Start End				0.00			0.0	0.0	0.0	0.00	
No.	Start End				0.00			0.0	0.0	0.0	0.00	
No.	Start End				0.00			0.0	0.0	0.0	0.00	
No.	Start End				0.00			0.0	0.0	0.0	0.00	
Today Total Quantities				12,926.22				2,843,768.9	1,421.9	2,132,826.7	1,066.41	

FIELD INSPECTOR: Lenoris Elliott
 REVIEWED BY: Kobi C. Smith Sr

DATE: 7/7/2020
 DATE: 7/7/2020

+174.61 syd

+45.68 syd

= 13,146.51 syd total

Cold Milling HMA Approach Surface, Modified

DATE: 7/7/2020

OWNER: City of Detroit

JOB NUMBER: 2020073E

CONTRACTOR: Ajax Industrial

PROJECT NAME: PW-7018 City of Detroit Resurfacing 2020

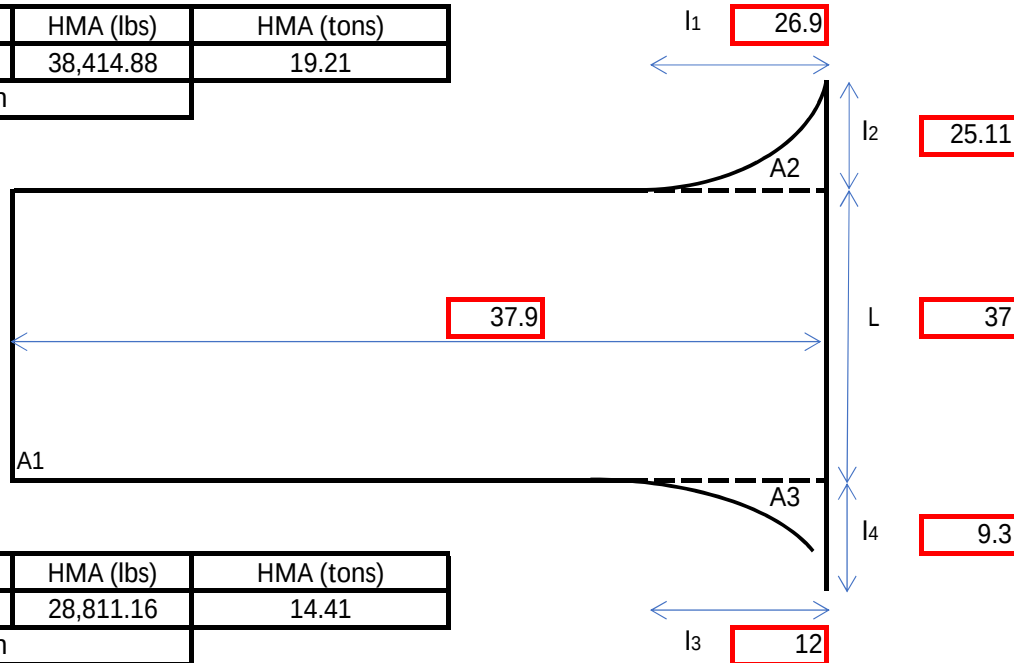
PROJECT ENGINEER: Jim Petronski

LOCATION: Detroit, Mi.

WEATHER:

Main Street	Cross Street	Side of Road	Width (ft)	Length (ft)	I1 (ft)	I2 (ft)	I3 (ft)	I4 (ft)
Hilldale	Sherwood		37.9	37	26.9	25.11	12	9.3
Surface Area (sft)	Surface Area (syd)	A1 (sft)	A2 (sft)	A3 (sft)	Location No.: A1			
1,571.5	174.61	1402.3	145.2	24.0				

MDOT 4E3	HMA (lbs)	HMA (tons)
220	38,414.88	19.21
Date of Completion		



MDOT 4E5	HMA (lbs)	HMA (tons)
165	28,811.16	14.41
Date of Completion		

FIELD INSPECTOR: Kobi Smith (WSP)

DATE: 7/7/2020

Cold Milling HMA Approach Surface, Modified

DATE: 7/7/2020

OWNER: City of Detroit

JOB NUMBER: 2020073E

CONTRACTOR: Ajax Industrial

PROJECT NAME: PW-7018 City of Detroit Resurfacing 2020

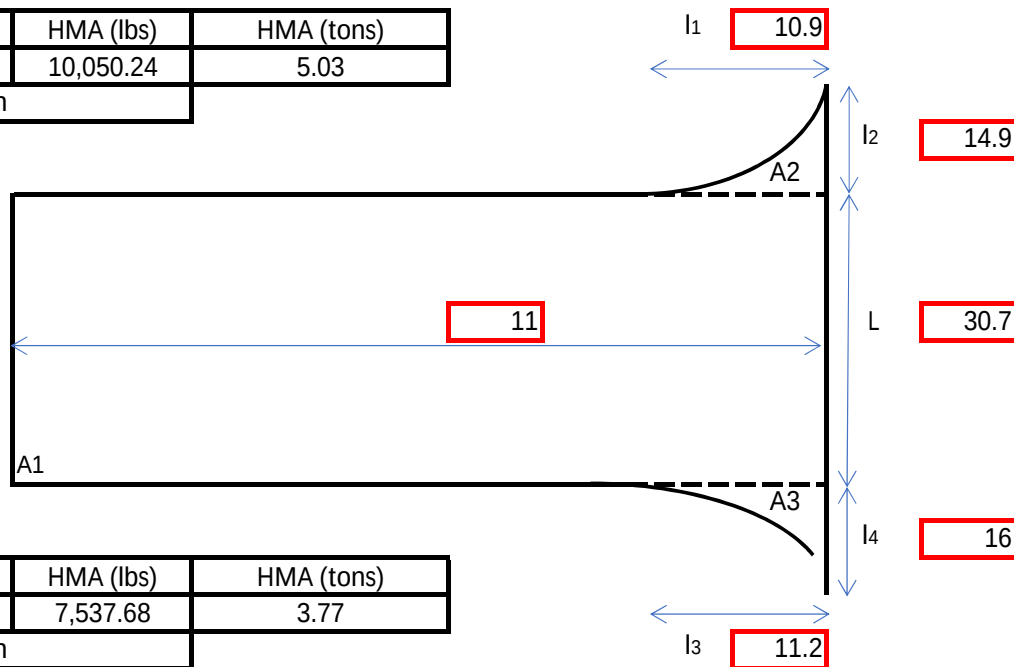
PROJECT ENGINEER: Jim Petronski

LOCATION: Detroit, Mi.

WEATHER:

Main Street	Cross Street	Side of Road	Width (ft)	Length (ft)	l1 (ft)	l2 (ft)	l3 (ft)	l4 (ft)
Robinwood	Sherwood		11	30.7	10.9	14.9	11.2	16
Surface Area (sft)	Surface Area (syd)	A1 (sft)	A2 (sft)	A3 (sft)	Location No.: A1			
411.1	45.68	337.7	34.9	38.5				

MDOT 4E3	HMA (lbs)	HMA (tons)
220	10,050.24	5.03
Date of Completion		



MDOT 4E5	HMA (lbs)	HMA (tons)
165	7,537.68	3.77
Date of Completion		

FIELD INSPECTOR: Kobi Smith (WSP)

DATE: 7/7/2020



Somat Engineering, Inc.

26445 Northline Rd, Taylor, MI 48180
Tel: 734-946-4966 Fax: 734-946-1147

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



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Noon – The Paver continued the HMA application of 2.5" compacted to 2" working westward. Ajax boxed out the three buried valve boxes discovered in the NB lane 5' off of the curb face. Traffic Control placed 4" yellow marking tape down the center of the pavement.

5 pm - The crews dispersed for the day after paving 12,873 square yards today. I completed estimating totals for the sidewalk flags to be removed.

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Plastic covers over all catch basins

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Advance warning signs, traffic regulatorsw/signs and barricades north and south along Sherwood St in Detroit between 7 mile and Nevada.

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Attachments:
photos



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Fort Wayne Contracting / Ajax Paving Industries, a joint ven	Ajax Foreman	1	10.00	Ajax Foreman Pick up	1	10.00
	Ajax Laborers	5	10.00	Ajax Street Sweeper with hopper	1	10.00
	Ajax Operators	7	10.00	bonding truck (Tack sprayer)	1	10.00
	Ajax traffic controller	1	10.00	CAT Paver AP1055F	1	10.00
				CAT Roller finisher	1	10.00
				CAT Tractor sweeper	1	10.00
				CAT Versa-vibe roller CB13	1	10.00
				CAT Versa-vibe roller CB54	1	10.00

Add Cold Milling
qty from 7/6 IDR

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Item/Material Description	Item Code	Prop. Line	Project	Category	Quantity	Unit	Location	Brkdwn ID	Attn
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HMA, 4E3 Contractor: Fort Wayne Contracting / Ajax Paving Industries, a joint ven Item Remarks: HMA materials were inspected and approved for use by KS.	_50100510260	PW-7018		0000	1,377.000	Ton	Sherwood st from 7 mile to Nevada		
PavtMrkg,WtRef,Type R, Tape,4 in,Ye,Temp Contractor: Fort Wayne Contracting / Ajax Paving Industries, a joint ven Item Remarks: The 4" yellow temporary stripe have been installed approximately every 50' the entire length of the work area and witnessed by KS.	_81202460780	PW-7018		0000	114.000	Ft	Sherwood st from 7 mile to Nevada		

Reviewed By: _____

(Signature)

(Date)