

HMA MIXTURE REQUIREMENTS TABLES

The following HMA mixture requirements are applicable for this project

Location(s):	Hot-Mix Asphalt Surface Course & Incidental HMA
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix D, N70
PG:	PG64-22
Design Air Voids:	4.0 %, 70 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm
Friction Aggregate:	D Surface
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	PFP – Surface Course QC/QA - Incidental
Sublot Size:	Surface Course-1,000 tons-PFP Incidental - QCQA – TBD
Material Transfer Device	Yes – Surface Only

Location(s):	Hot-Mix Asphalt Binder
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N70, IL-9.5mm IL-19.0
PG:	PG64-22
Design Air Voids:	4.0 %, 70 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm IL-19.0 mm
Friction Aggregate:	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program: Program:	Binder Course PFP
Sublot Size:	1,000 tons - PFP
Material Transfer Device	Yes

Location(s):	Hot-Mix Asphalt Shoulders Full Depth (Surface)
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N50
PG:	PG64-22
Design Air Voids:	4.0%, 50 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm
Friction Aggregate:	C Surface
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCQA
Sublot Size:	3,000 tons
Material Transfer Device	No

HMA MIXTURE REQUIREMENTS TABLE- CONT.

The following HMA mixture requirements are applicable for this project

Location(s):	Hot-Mix Asphalt Shoulders Full Depth (Binder)
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N50, IL-19.0
PG:	PG64-22
Design Air Voids:	4.0 %, 50 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0 mm
Friction Aggregate:	None
Mixture Weight:	112 lbs/Sq Yd/in
Sublot Size:	3,000 tons
Quality Management Program:	QCQA
Material Transfer Device	No



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MODEL: Mx Design [Rev]d
FILE NAME: P:\GIS\Projects\DOT\Office\Dist\908D\Project\78A21\CAD\Drawings\DOT\78A21-Surf-Hdr-Gen\hmas.tbl

USER NAME = robert.handy	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED -
PLOT DATE = 1/26/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MIXTURE REQUIREMENTS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
686	(112,113,114)RS-3	PERRY/JACKSON	35	4
CONTRACT NO. 78A21				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

COUNTY:	PERRY	JACKSON	PERRY	JACKSON
ROUTE:	FAP 686	FAP 686	FAP 686	FAP 686
FUNDING:	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE
LOCATION:	RURAL	RURAL	RURAL	RURAL
TOTAL QUANTITY	ROADWAY 0005	ROADWAY 0005	ROADWAY 0021	ROADWAY 0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	PERRY ROADWAY 0005	JACKSON ROADWAY 0005	PERRY ROADWAY 0021	JACKSON ROADWAY 0021
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	1,035			494	541
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	129,769	58,830	70,939		
40600370	LONGITUDINAL JOINT SEALANT	FOOT	56,927	25,954	30,973		
40600990	TEMPORARY RAMP	SQ YD	220	176	44		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT	SQ YD	3,770	1,529	2,241		
40602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	20,912	9,519	11,393		
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N-70	TON	20,912	9,519	11,393		
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	14,243	9,519	4,724		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	865	360	505		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	153,395	76,564	76,831		
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	12,999		12,999		
44000400	GUTTER REMOVAL	FOOT	340		340		
44201385	CLASS C PATCHES, TYPE I, 13 INCH	SQ YD	16	16			
44201389	CLASS C PATCHES, TYPE II, 13 INCH	SQ YD	1,814	997	817		
44201394	CLASS C PATCHES, TYPE III, 13 INCH	SQ YD	232	232			
44201396	CLASS C PATCHES, TYPE IV, 13 INCH	SQ YD	151	151			
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	504			468	36
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	35,079			17,015	18,064
48203100	HOT-MIX ASPHALT SHOULDERS	TON	263			263	



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USER NAME = robert.handy	DESIGNED -	REVISED -
PLOT SCALE = 0.16666833 1/In.	DRAWN -	REVISED -
PLOT DATE = 1/26/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SCALE SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
686	(112,113,114)RS-3	PERRY/JACKSON	35	5
CONTRACT NO. 78A21				
ILLINOIS FED. AID PROJECT				

IL 4 RESURFACING SCHEDULE

LOCATION STATION TO STATION	LENGTH	ROADWAY WIDTH	TEMP RAMP	HOT-MIX ASPHALT SURFACE REMOVAL, 1-1/2"	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	HOT-MIX ASPHALT BINDER COURSE, IL-9.5 FG, N70 (2-1/4") IL-19.0	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 (1-1/2")	BITUMINOUS MATERIALS (TACK COAT)	MATERIAL TRANSFER DEVICE	LONG JOINT SEALANT	CENTERLINE RUMBLE STRIPS 8"	NOTE		
													FOR INFORMATIONAL PURPOSE ONLY	
IL 4	FT	FT	SQ YD	SQ YD	SQ YD	TON	TON	POUND	TON	FOOT	FOOT			
PERRY COUNTY														
+00	TO	36+58	3,658	26	44	10,568		1,342	915	7,134	2,257	3,658	915	
36+58	TO	36+67	GAP RAILROAD CROSSING											
36+67	TO	81+25	4,458	26	88	12,879		1,635	1,115	8,694	2,750	4,458	1,115	
81+25	TO	81+94	GAP SN 073-2006 DOUBLE BOX CULVERT											
81+94	TO	131+03	4,910	26	44	14,185		1,801	1,228	9,575	3,029	4,910	1,228	
STA EQ 131+03.30 BK = STA. 131+67.30 AH														
131+67	TO	159+50	2,783	26		8,040		1,021	696	5,427	1,717	2,783	696	
STA EQ 159+49.90 BK = STA. 159+55.50 AH														
159+56	TO	261+00	10,145	26		29,308		3,720	2,536	19,783	6,256	10,145	2,537	
(PERRY COUNTY) TOTALS					176	74,980		9,519	6,490	50,613	16,009	25,954	6,491	
JACKSON COUNTY														
261+00	TO	378+97	11,798	26		34,084		4,326	2,950	23,007	7,276	11,798	2,950	
STA EQ 378+97.40 BK = STA. 378+98.20 AH														
378+98	TO	384+00	502	26		1,451		185	126	979	311	502	126	
384+00	TO	391+90	790	27			2,370	299	200	1,689	499	790	198	Existing HMA in Left & Right V-Gutter
391+90	TO	398+35	645	24		1,720		219	154	1,161	373	645	162	
398+35	TO	428+00	2,965	27			8,895	1,121	748	6,338	1,869	2,965	742	Existing HMA in Left & Right V-Gutter
428+00	TO	557+93	12,993	26		37,536		4,764	3,248	25,337	8,012	12,993	3,249	
STA EQ 557+93.00 BK = STA. 558+00.00 AH														
550+00	TO	564+00	600	26			1,734	220	150	1,170	370	600	150	
564+00	TO	570+80	680	27	44	2,040		259	177	1,377	436	680	170	Existing HMA in Left V-Gutter
(JACKSON) TOTALS					44	76,831	12,999	11,393	7,753	61,058	19,146	30,973	7,747	
IL 4 TOTAL					220	151,811	12,999	20,912	14,243	111,671	35,155	56,927	14,238	

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△ REVISED 4-9-2024

USER NAME = robert.handy DESIGNED - DRAWN - PLOT SCALE = 0.16666833 / in. CHECKED - PLOT DATE = 12/22/2023 DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RESURFACING SCHEDULE	F.A.P. RTE. 686 SECTION (112,113,114)RS-3 COUNTY PERRY/JACKSON TOTAL SHEETS 35 SHEET NO. 12 CONTRACT NO. 78A21 ILLINOIS FED. AID PROJECT
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.				