

HMA MIXTURE REQUIREMENTS TABLES

The following HMA mixture requirements are applicable for this project

Location(s):	Hot-Mix Asphalt Surface Course
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N70
PG:	PG64-22
Design Air Voids:	4.0%, 70 Gyration Design
Mixture Composition: (Mixture Gradation)	IL-9.5mm
Friction Aggregate:	C Surface
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCP
Sublot Size:	TBD
Number of Roller Passes	NA

Location(s):	Hot_Mix Asphalt Binder
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N70, IL-9.5FG
PG:	PG64-22
Design Air Voids:	4.0%, 70 Gyration Design
Mixture Composition: (Mixture Gradation)	IL-9.5mm Fine Graded
Friction Aggregate:	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCP
Sublot Size:	TBD
Number of Roller Passes	NA

Location(s):	Incidental HMA Surfacing
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N70
PG:	PG64-22
Design Air Voids:	4.0%, 70 Gyration Design
Mixture Composition: (Mixture Gradation)	IL-9.5mm
Friction Aggregate:	C Surface
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QC/QA
Sublot Size:	NA
Number of Roller Passes	NA

GENERAL NOTES

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT MIX ASPHALT	2.016 TONS/CU. YD.
ALL AGGREGATE	2.05 TONS/CU. YD.
BITUMINOUS MATERIALS (TACK COAT)	0.025 LBS/SQ. FT.

THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8%. THE SHOULDER ON THE OUTSIDE OF SUPERELEVATED CURVES SHALL BE FLATTENED ACCORDINGLY.

THE CONTRACTOR SHALL STAMP STATIONING IN THE PROPOSED HOT MIX ASPHALT SURFACE AT 300 FT INTERVALS ON ALTERNATING SIDES OF THE PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 IN. TALL, OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

HMA RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF A DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN 2,000 FT, THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE ADJACENT LANE ON THE FOLLOWING WORK DAY. PRIOR TO WINTER SHUTDOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION.

LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE HMA SURFACE COURSE

COMMITMENTS: NONE

HMA MIXTURE REQUIREMENTS TABLES - CONT

The following HMA mixture requirements are applicable for this project

Location(s):	Hot-Mix Asphalt Shoulders, 8" (Top Lift)
Mixture Use(s):	Hot-Mix Asphalt Surface Course, N30, IL-9.5L
AB/PG:	PG64-22
ABR % (Max):	See Special Provisions
Design Air Voids:	4.0%, 30 Gyration Design
Mixture Composition: (Mixture Gradation)	IL-9.5L
Friction Aggregate:	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCQA
Sublot Size:	NA

Location(s):	Hot-Mix Asphalt Shoulders, 8" (Lower Lifts)
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N30, IL-19.0L
AB/PG:	PG64-22
ABR % (Max):	See Special Provisions
Design Air Voids:	4.0%, 30 Gyration Design
Mixture Composition: (Mixture Gradation)	IL-19.0L
Friction Aggregate:	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCQA
Sublot Size:	NA

MODEL: Default
FILE NAME: N:\Projects\Homer_ShrimPTB_198-03\Work_Order_3021.dwg
IL 301.845
11 3/4
149CAD\DWG\CADD_Drawing\198-03\Work_Order_3021.dwg

REPLACED ENTIRE SHEET 9/8/2021

USER NAME = PSMIT	DESIGNED - 6/15/2021	REVISED - 6/23/2021
	DRAWN - 6/15/2021	REVISED -
PLOT SCALE = 1.0000' / in	CHECKED - 6/22/2021	REVISED -
PLOT DATE = 6/23/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES, MIXTURE DESIGN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312 331	122, 123, 130 (SR-1, RS-6); (101, 102) SR-1	JACKSON	20	4
CONTRACT NO. 78864				
ILLINOIS FED. AID PROJECT				