

# HMA MIXTURE REQUIREMENTS

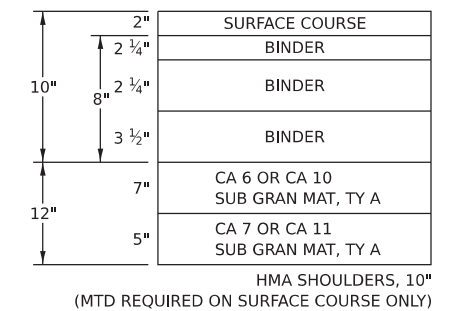
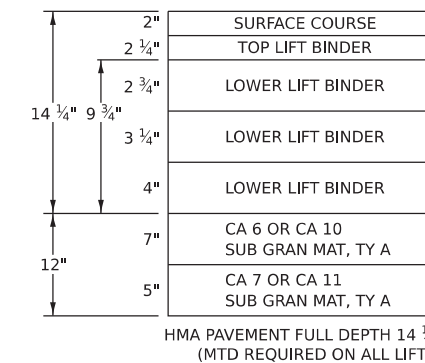
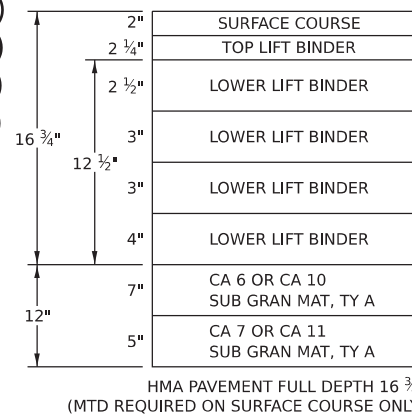
Locations	Hot Mix Asphalt Surface Course / Hot Mix Asphalt Full Depth Pavement 14 1/4" and 16 3/4" (Surface Lift)
Mixture Use(s):	Polymerized Stone Matrix Asphalt, Surface, Mix E, N80
PG:	SBS PG76-22
Design Air Voids:	4.0 %, 80 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm SMA
Friction Aggregate:	Mix E
Mixture Weight:	112 lbs./sq yd/in
Quality Management Program:	PFP- all pay items
Sublot Size:	1,000 tons
Material Transfer Device (Required?)	Yes

Locations	Hot Mix Asphalt Full Depth Pavement 14 1/4" and 16 3/4" (Final Lift of Binder)
Mixture Use(s):	Polymerized Hot-Mix Asphalt Binder Course, N90, IL 19.0
PG:	SBS PG76-22
Design Air Voids:	4.0% 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL 19.0 mm
Friction Aggregate:	None
Mixture Weight:	112 lbs./sq yd/in
Quality Management Program:	PFP - Hot Mix Asphalt Full-Depth 14 1/4" and 16 3/4"
Sublot Size:	PFP - 1,000 tons
Material Transfer Device (Required?)	Yes - Hot Mix Asphalt Full-Depth 14 1/4" No - Hot Mix Asphalt Full-Depth 16 3/4"

Locations	Hot Mix Asphalt Full Depth Pavement 14 1/4" and 16 3/4" (Lower Lifts) / Hot Mix Asphalt Shoulders 10" (Binder Lifts) / Stabilized Subbase 4"
Mixture Use(s):	Hot-Mix Asphalt Binder, N90, IL-19.0
PG:	PG-64-22
Design Air Voids:	4.0% 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0 mm
Friction Aggregate:	None
Mixture Weight:	112 lbs./sq yd/in
Quality Management Program:	PFP - Full Depth Pavement 14 1/4" and 16 3/4", Stabilized Subbase 4" QCP - Hot Mix Asphalt Shoulder 10"
Sublot Size:	1,000 tons (PFP/QCP)
Material Transfer Device (Required?)	Yes - Hot Mix Asphalt Full Depth Pavement 14 1/4", Stabilized Subbase 4" No - Hot Mix Asphalt Full Depth Pavement 16 3/4" No - Hot Mix Asphalt Shoulders 10"

Locations	Hot Mix Asphalt Shoulders 10" (Surface Lift)
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N70
PG:	PG-64-22
Design Air Voids:	4.0% 70 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5 mm
Friction Aggregate:	C Surface
Mixture Weight:	112 lbs./sq yd/in
Quality Management Program:	PFP
Sublot Size:	1,000 tons
Material Transfer Device (Required?)	Yes

Locations	Hot Mix Asphalt Shoulders, Hot Mix Asphalt Shoulders Repair, Edge Line Repair
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix D, N90
PG:	PG-64-22
Design Air Voids:	4.0% 70 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5 mm
Friction Aggregate:	D Surface
Mixture Weight:	112 lbs./sq yd/in
Quality Management Program:	QCQA
Sublot Size:	TBD
Material Transfer Device (Required?)	No



MODEL: Mix Des.dwg (Sheet 1)  
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2 REVISED 5-30-2024

USER NAME = valerie.rota	DESIGNED -	REVISED -		<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MIX DESIGN</b>	F.A.I. RTE. 57	SECTION *	COUNTY JEFFERSON	TOTAL SHEETS 336	SHEET NO. 5
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -							CONTRACT NO. 78885	
PLOT DATE = 5/16/2024	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.