

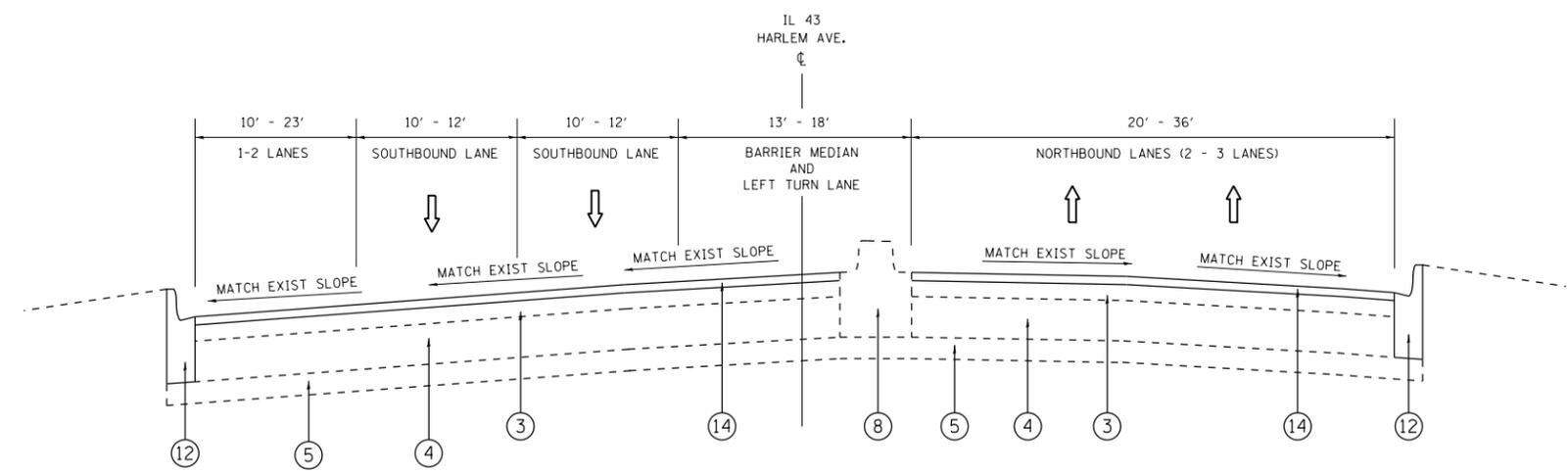
EXISTING TYPICAL SECTION  
IL RTE. 43 (HARLEM AVE.)  
STA. 15+25 TO STA. 41+67.2

NOTE:  
ONLY TWO (2) TOTAL THROUGH LANES ON EACH SIDE FROM:  
STA. 15+25 TO STA. 19+83

**LEGEND:**

- ① EXISTING HMA SURFACE (VARIES FROM 2-1/2" TO 6")
- ② EXISTING HMA SURFACE AFTER MILLING (VARIES FROM 0" TO 3-1/2")
- ③ EXISTING HMA SURFACE AFTER MILLING (VARIES FROM 3/4" TO 4 1/4")
- ④ EXISTING P.C.C. BASE COURSE (VARIES FROM 5-1/4" TO 12-5/8")
- ⑤ EXISTING SUB-BASE GRANULAR MATERIAL
- ⑥ EXISTING COMB. CONC. CURB & GUTTER, TYPE B OR TYPE B-6.12
- ⑦ EXISTING CONCRETE MEDIAN SURFACE, 4"
- ⑧ EXISTING CONCRETE MEDIAN, TYPE S B-6.12
- ⑨ EXISTING P.C.C. CORRUGATED MEDIAN
- ⑩ PROPOSED HMA SURFACE REMOVAL, 1 3/4"
- ⑪ PROPOSED HMA SURFACE REMOVAL, 3 3/4"
- ⑫ PROPOSED COMB. CONC. CURB AND GUTTER REMOVAL AND REPLACEMENT
- ⑬ PROPOSED HMA BINDER COURSE, IL-9.5, N70, 2"
- ⑭ PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"

NOTE: CONTRACTOR SHALL PATCH BEFORE MILLING



PROPOSED TYPICAL SECTION  
IL RTE. 43 (HARLEM AVE.)  
STA. 15+25 TO STA. 41+67.2

SMART OVERLAY

NOTE:  
ONLY TWO (2) TOTAL THROUGH LANES ON EACH SIDE FROM:  
STA. 15+25 TO STA. 19+83

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS(%) @ N <sub>DES.</sub>	
<b>DESIGNED OVERLAY</b>		
POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80 1 3/4"	3.5% @ 80 GYR	PFP
HMA BINDER COURSE, IL-9.5, N70, 2"	4% @ 70 GYR	QCP
<b>SMART OVERLAY</b>		
POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80 1 3/4"	3.5% @ 80 GYR	PFP
<b>HMA OVERLAY OVER EXISTING PCC (I-290 INTERSECTION)</b>		
POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80 1 3/4"	3.5% @ 80 GYR	PFP
POLY HMA BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 GYR	QC/QA
<b>PATCHING</b>		
CLASS D PATCHES (HMA BINDER IL-19 MM)	4% @ 70 GYR	QC/QA
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 MM)	4% @ 70 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE(QA/QC); QUALITY CONTROL FOR PERFORMANCE(QCP); PAY FOR PERFORMANCE(PFP)		

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/50 YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER POLY HMA BINDER COURSE IL-9.5, N70 FOR THE DESIGNED OVERLAY SECTION AND OVER THE MILLED SURFACE FOR THE SMART OVERLAY AREA.

1 REVISED SHEET 1/5/2022

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USER NAME = bilgramisa	DESIGNED -	REVISED - SB 1-5-2022
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/5/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS	
IL 43 (IL 64 - 26TH STREET)	
SCALE:	SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2021-081-R5	COOK	58	6
CONTRACT NO. 62P18				
ILLINOIS FED. AID PROJECT				