04-29-2022 LETTING ITEM 084

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

(13-1)RS-7

D-99-032-22



FOR INDEX OF SHEETS, SEE SHEET NO. 3 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 5-6

> TRAFFIC DATA 2021: ADT 8600

TOWNSHIPS MURPHYSBORO

COORDINATE SYSTEM : N/A

CONTRACT NO. 78938

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENGINEER: VALERIE ROLLA PROJECT DESIGNER: JAXON HORN

PROPOSED HIGHWAY PLANS

> FAP 42 (IL 13 / 127) **SECTION (13-1) RS-7** NHPP-Z9PU(847) **RESURFACING JACKSON COUNTY**

> > C-99-044-22

PROJECT BEGINS: STA. 473+29.79 SB STA. 470+00 NB 85 2W

PROJECT ENDS: NB LANE STA. 370+70 SB LANE STA, 369+00

> STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

LOCATION OF SECTION INDICATED THUS: - -

SUBMITTED Jan 19 20 22

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION ?

GROSS LENGTH = 10366 FT. = 1.96 MILES NET LENGTH = 10366 FT. = 1.96 MILES

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV. - MS

DESIGN DESIGNATION: N/A

POSTED SPEED: 45 MPH

0

0

0

0

Prepared By: Charles Steri

DISTRICT STUDIES & PLANS ENGINEER

Examined By:

DISTRICT LAND ACQUISITION ENGINEER

Examined By: Carrie Mulson
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: 7

DISTRICT OPERATIONS ENGINEER

Examined By:

DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By:

District Construction Engineer

Examined By:

TO STA.

DISTRICT MATERIALS ENGINEER

DESIGNED -REVISED -DRAWN REVISED . REVISED -DATE -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SIGNATURE SHEET OF SHEETS STA.

SHEET

SCALE:

JACKSON 11 2

CONTRACT NO. 78938

INDEX

- 1 Cover Sheet
- 2 Signature sheet
- 3 Index, Standards, And Mix Design
- 4 General Notes
- 5 -6 Summary of Quantities
- 7 -8 Typicals
- 9 -10 Pavement and Pavement Marking Schedule
- 11 Standards

STANDARDS

001006

701426-09

701601-09

701701-10

701901-08

780001-05 781001-04

701106-02

701101-05

000001-08

HMA MIXTURE REQUIREMENTS TABLES

Location(s):	Hot-Mix Asphalt Surface Course
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix D, N90
PG:	PG64-22
Design Air Voids:	4.0 %, 90 Gyration Design
Mixture Composition:	IL-9.5mm
Friction Aggregate:	D Surface
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	ОСР
Sublot Size:	тво
Material Transfer Device (Required?)	Yes

Location(s):	Hot-Mix Asphalt Shoulders
Mixture Use(s):	Hot-Mix Asphalt Surface Course, N30, IL-9.5L
PG:	PG64-22
Design Air Voids:	4.0 %, 30 Gyration Design
Mixture Composition:	IL-9.5L
Friction Aggregate:	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCQA
Sublot Size:	NA
Material Transfer Device (Required?)	No

MTD CROSSING RESTRICTIONS TABLE

SN ROUTE (IL 13/127)	EXISTING FILL HEIGHT OVER BOX CULVERT	THICKNESS OF EXISTING PAVEMENT OVER BOX CULVERT	MAXIMUM GROSS WEIGHT RESTRICTIONS	MTD CROSSING RESTRICTIONS	
	FOOT	FOOT	TONS		
SN 039-7040	NA	NA	40	EMPTY	
SN 039-7039	NA	NA	40	EMPTY	

SCALE:

REV. - MS

USER NAME = HORNJD	DESIGNED	REVISED _	
	DRAWN	REVISED _	
PLOT SCALE = 100.0000 / in.	CHECKED	REVISED -	
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INDEX CTANDARDS AND MIX DECICAL							F.A.P. RTE.				
INDEX, STANDARDS, AND MIX DESIGN						42	(13-1)	RS-7			
											C
	SHEET	OF	SHEETS	STA.	-	TO STA.			ILLINOIS	FED AL	D P

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.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE HMA SURFACE REMOVAL, AND SURFACE COURSE

THE CONTRACTOR SHALL STAMP STATIONING IN THE HOT MIX ASPHALT SURFACE AT 300 FT INTERVALS ON THE INSIDE EDGE OF THE OUTSIDE SHOULDER 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.

LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE HMA SURFACE COURSE

COMMITMENTS: NONE

 USER NAME
 = HORNJD
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 REVISED

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 PLOT SCALE
 = 100,0000 ' / in.
 CHECKED
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 PLOT DATE
 = 2/2/2022
 DATE
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET

es\District 9\Projects\78938\CADsheets\D978

SUMMARY OF QUANTITIES

JACKSON COUNTY
FAP 42
80% FED
NHPP-STATE
URBAN

SHEET

		20% STATE	URBAN
CODE	ITEM DECCRIPTION	LINIT	ROADWAY
NUMBER	ITEM DESCRIPTION	UNIT	0005
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	39,215
40600370	LONGITUDINAL JOINT SEALANT	FOOT	23,220
40600990	TEMPORARY RAMP	SQ YD	68
40604064	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90	TON	4,910
40004004	HOT-MIX ASPHALL SURFACE COURSE, IL-3.3, MIX D , N30	1010	4,910
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	87,138
48203100	HOT-MIX ASPHALT SHOULDERS	TON	2,441
67100100	MOBILIZATION	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION CTANDARD 704601	. CIIN	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,447
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	820
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	116
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	45,810

REV. - MS

USER NAME = HORNJD	DESIGNED	REVISED _	
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PLOT DATE = 2/2/2022	DATE	REVISED +	

CURERA DV OF QUARITITICS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE	
SUMMARY OF QUANTITIES				42	(13-1)RS-7	JACKSON	11	5
						CONTRACT	NO. 78	8938
OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	AID PROJECT		

SUMMARY OF QUANTITIES - CONT

		JACKSON COUNTY
	000/ 555	FAP 42
	80% FED	NHPP-STATE
	20% STATE	URBAN
T	UNIT	ROADWAY
	UNII	0005
T		

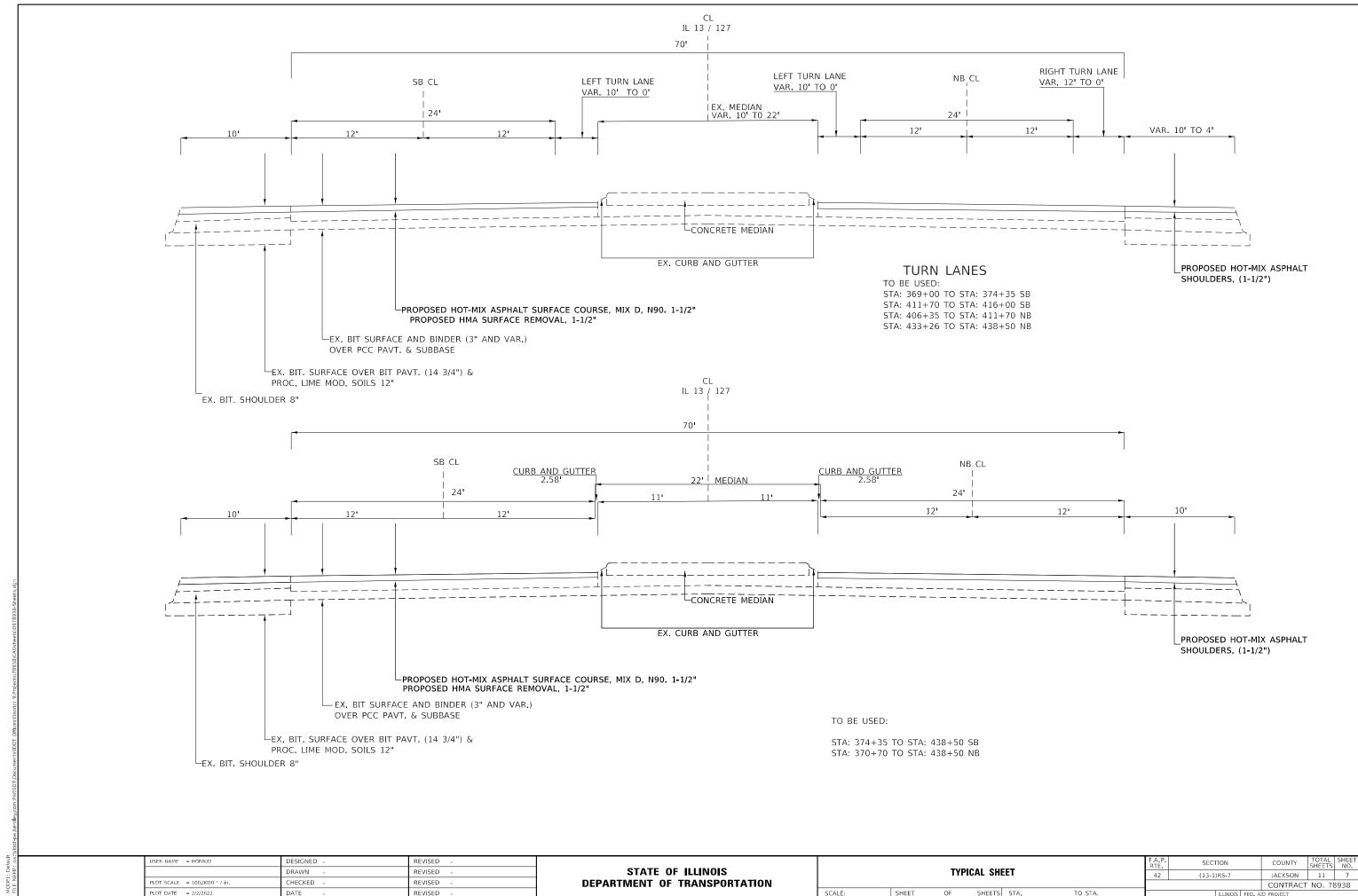
				UNDAN
3	CODE NUMBER	ITEM DESCRIPTION	UNIT	ROADWAY 0005
3				
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	48
2				
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	116
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	45,810
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	48
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	259
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	259
	78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	15,486
	Z0034105	MATERIAL TRANSFER DEVICE	TON	4,910

★ SPECIALTY ITEM

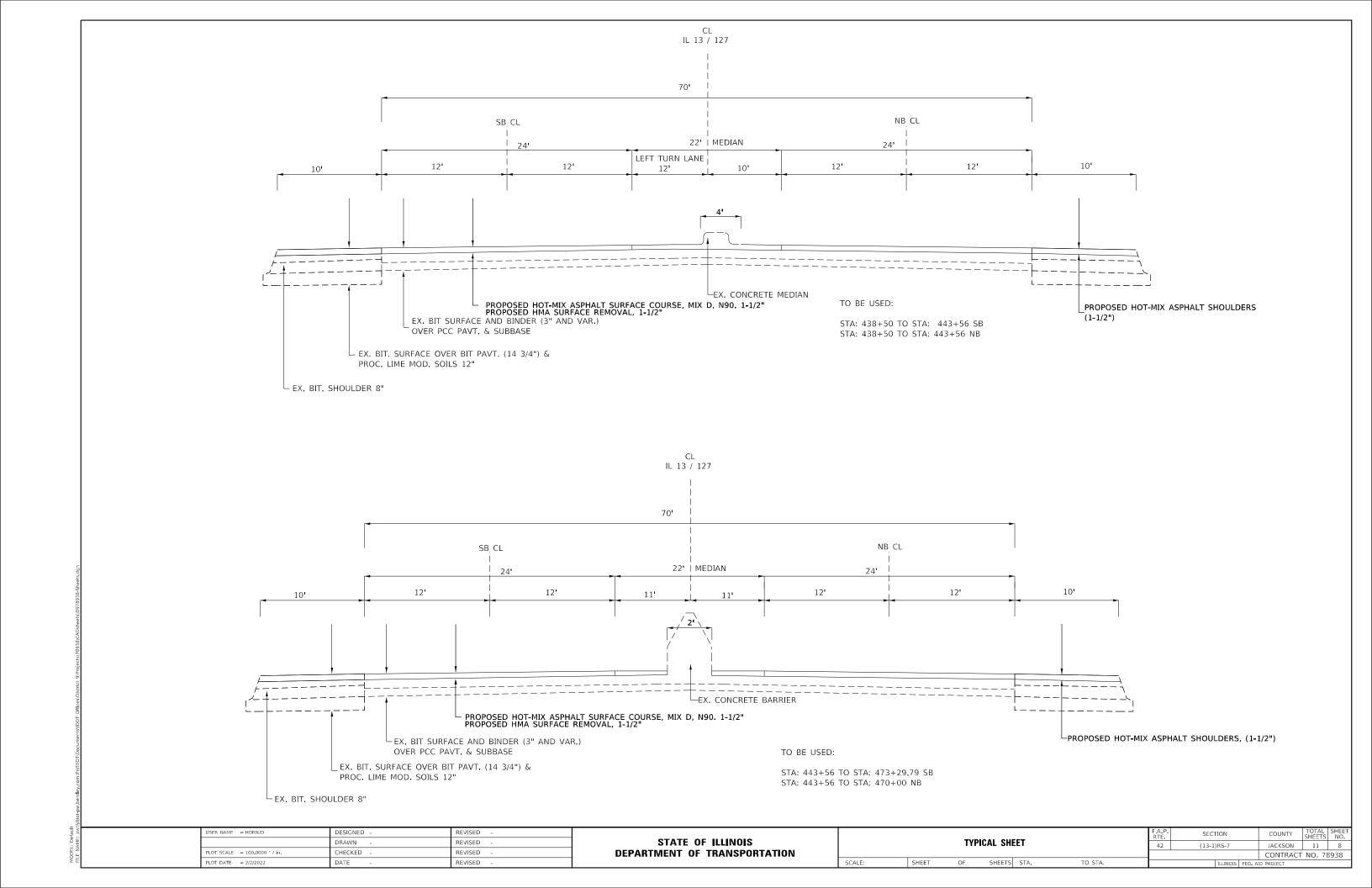
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PLOT DATE = 2/2/2022	DATE -	REVISED -

SUMMARY OF QAUNTITIES CON.					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
					42	(13-1)RS-7	JACKSON	11	6	
								CONTRACT	NO. 7	8938
ET	OF	SHEETS S	ГΑ.	TO STA.	1		LILLINOIS FED A	ID PROJECT		



SHEETS STA. TO STA.



HMA PAVEMENT SCHEDULE

					EXIST. PAVEMENT	EXIST. PAVEMENT	TEMPORARY	HMA SURFACE CSE	MATERIAL TRANSFER	HMA SURFACE	LONG I TUD I NAL JO I NT	BITUMINOUS MATERIALS
		LOCATIO	N		LENGTH	WIDTH	RAMPS	MIX D, N90	DEVICE	REMOVAL,	SEALANT	(TACK COAT)
	STATI	ON TO S	TATION	ĺ	(INFO ONLY)	(INFO ONLY)		(1 1/2")		1 - 1 / 2 "		
					FOOT	FOOT	SQ YD	TON	TON	SQ YD	FOOT	POUND
	ΙL	. 13/127	NB									
STA	370+70	ТО	STA	406+35	3565	24	14	803	803	9507	3565	4278
STA	406+35	TO	STA	411+70	535	36		181	181	2140	1070	963
STA	411+70	TO	STA	433+26	2156	24		486	486	5750	2156	2588
STA	433+26	TO	STA	438+50	524	36		177	177	2096	1048	944
STA	438+50	TO	STA	470+00	3150	24	14	710	710	8400	3150	3780
	ΙL	13/127	SB									
STA	369+00	TO	STA	374+35	535	36	20	181	181	2140	1070	963
STA	374+35	ТО	STA	411+70	3735	24		841	841	9960	3735	4482
STA	411+70	ТО	STA	416+00	430	36		145	145	1720	860	774
STA	416+00	ТО	STA	438+50	2250	24		507	507	6000	2250	2700
STA	438+50	ТО	STA	443+56	506	36		171	171	2024	1012	911
STA	443+56	ТО	STA	470+00	2644	24		596	596	7051	2644	3173
STA	470+00	TO	STA	473+30	330	36	20	112	112	1320	660	594
			PRC	DJECT TOTALS	Ι	Γ	68	4,910	4,910	58,108	23.220	26,150

SHOULDER SCHEDULE

					EXIST.	EXIST.	HMA	НМА	BITUMINOUS
					SHOULDER	SHOULDER	SHOULDERS	SURFACE	MATERIALS
	LOC	CATIO	N		LENGTH	WIDTH	(1.5")	REMOVAL,	(TACK COAT)
	STATION	TO S	TATIO	N	(INFO ONLY)	(INFO ONLY)		1 - 1 / 2 "	
					FOOT	FOOT	TON	SQ YD	POUND
	IL 13	/127	NB						
STA	370+70	TO	STA	438+50	6780	10	633	7534	3390
STA	438+50	TO	STA	443+56	506	17	81	956	431
STA	443+56	ТО	STA	470+00	2644	19	469	5582	2512
	IL 13	3/127	SB						
STA	369+00	TO	STA	438+50	6950	10	649	7723	3475
STA	438+50	TO	STA	443+56	506	17	81	956	431
STA	443+56	TO	STA	473+30	2974	19	528	6279	2826
		·	PRO	JECT TOTALS			2441	29030	13065

F.A.P. SECTION COUNTY TOT	
RTF. SECTION COUNTY SHE	
PAVEMENT SCHEDULE 42 (13-1)RS-7 JACKSON 1:	9
CONTRACT NO	78938
HEET OF SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING SCHEDULE

				THERMOPLAS	TIC PAVEMENT N	MARKING			RAISED
N. W.	OCATION N TO STATI	ON	LINE - 4" WHITE	LINE - 4" YELLOW	LINE - 4" WHITE	LINE- 24" WHITE	LETTERS AND	RAISED REFLECTIVE PAVEMENT	REFLECTIVE PAVEMENT MARKER
STATIO	I TO STATE	ON	SOLID	SOLID	SKIP - DASH	SOLID	SYMBOLS	MARKER	REMOVAL
			FOOT	FOOT	FOOT	FOOT	SQ FOOT	EACH	EACH
IL :	13/127 NB								
STA 370+70	TO STA	406+35	3565	3565	891	_		45	45
STA 406+35	TO STA	411+70	535	535	134	24	32	7	7
STA 411+70	TO STA	433+26	2156	2156	539			27	27
STA 433+26	TO STA	438+50	524	524	131		26	7	7
STA 438+50	TO STA	470+00	3150	3150	788			40	40
IL 1	3/127 SB								
STA 369+00	TO STA	374+35	535	535	134			7	7
STA 374+35	TO STA	411+70	3735	3735	934	24	32	47	47
STA 411+70	TO STA	416+00	430	430	108			6	6
STA 416+00	TO STA	438+50	2250	2250	563		26	29	29
STA 438+50	TO STA	473+30	3480	3480	870			44	44
	SUBTOTAL			20360	5090				
		TOTAL		45810		48	116	259	259

TEMPORARY PAVEMENT MARKING SCHEDULE

	TEN	MPORARY PAV	EMENT MARK	I NG				SHORT	
LOCATION STATION TO STATION	LINE - 4" WHITE	LINE - 4" YELLOW	LINE- 4" WHITE	LINE-24' WHITE	LETTERS AND SYMBOLS	PAVEMENT MARKING REMOVAL	SHORT TERM PAVEMENT	TERM PAVEMENT MARKING	
	SOLID	SOLID LT	SOLID LT SKIP - DASH			GRINDING	MARKING	REMOVAL	
	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ FT	FOOT	SQ FT	
IL 13/127 NB									
STA 370+70.00 TO STA 406+35.00	3565	3565	891			2674	428	143	
STA 406+35.00 TO STA 411+70.00	535	535	134	24	32	482	65	22	
STA 411+70.00 TO STA 433+26.00	2156	2156	539			1617	259	87	
STA 433+26.00 TO STA 438+50.00	524	524	131		26	419	63	21	
STA 438+50.00 TO STA 470+00.00	3150	3150	788			2363	378	126	
IL 13/127 SB									
STA 369+00.00 TO STA 374+35.00	535	535	134			402	65	22	
STA 374+35.00 TO STA 411+70.00	3735	3735	934	24	32	2882	449	150	
STA 411+70.00 TO STA 416+00.00	430	430	108			323	52	18	
STA 416+00.00 TO STA 438+50.00	2250	2250	563		26	1714	270	90	
STA 438+50.00 TO STA 473+29.79	3480	3480	870			2610	418	140	
SUBTOTAL	20360	20360	5090				2447	819	
TOTAL		45,810		48	116	15,486	2,447	819	

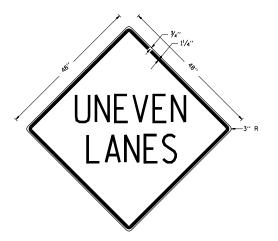
USER NAME = HORNJD	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 2/2/2022	DATE -	REVISED -

	PAVEMENT MARKING SCHEDULE						SECTION	COUNTY TOTAL SHEET		SHEET NO.
							(13-1)RS-7	JACKSON	11	10
								CONTRACT	NO. 78	3938
	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		

WIDOT/Documents/IDOT Offices/District 9/Projects/78938/CADsheets/D97893

UNEVEN LANES SIGN

W8-11 (48" × 48")



COLORS

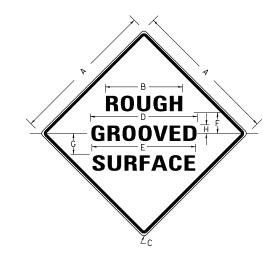
LEGEND AND BORDER - BLACK NON-REFLECTORIZED
BACKGROUND - ORANGE REFLECTORIZED

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

ILLINOIS STANDARD



COLORS:

LEGEND AND BORDER- BLACK NON-REFLECTORIZED BACKGROUND- ORANGE REFLECTORIZED

SIGN		DIMENSIONS									
SIZE	Α	В	С	D	E	F	G	Н			
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5			

SIGN	Š	SERIES LINES				BLANK	
SIZE	1	2	3	GIN	DER	STD.	
48X48	7C	7C	7C	0.8	1.2	B4-48D	

ALL DIMENSIONS IN INCHES

NOTES:

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVIS	SIONS
REDRAWN	2-15-89
REVISED	4-6-93
REVISED	3-27-08
REVIEWED	5-17-13

											SID.	3-23 KEAI	EMED 3 1	11 13
USER NAME = HORNJD	DESIGNED -	REVISED -								F.A.P.	SECTION	COUNTY	TOTAL S	SHEE
	DRAWN -	REVISED -	STATE OF I				S	TANDARDS		42	(13-1)RS-7	JACKSON	11	11
PLOT SCALE = 100.0000 / in	CHECKED -	REVISED -	DEPARTMENT OF TR	RANSPORTATION								CONTRAC	T NO. 78	3938
PLOT DATE = 2/2/2022	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS STA	TO STA.		ILLIMOIS FED	AID PROJECT		