STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

UOUS D 7 HT PVMNT MRK RFR 22 11 VARIOUS 12 1
REMOIS CONTRACT NO 46577

#### M-60-013-22



STATE OF ILLINGIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED MARCH 25 20 21

Ust 13, 2021 Myulis
REGIONAL ENGINEE

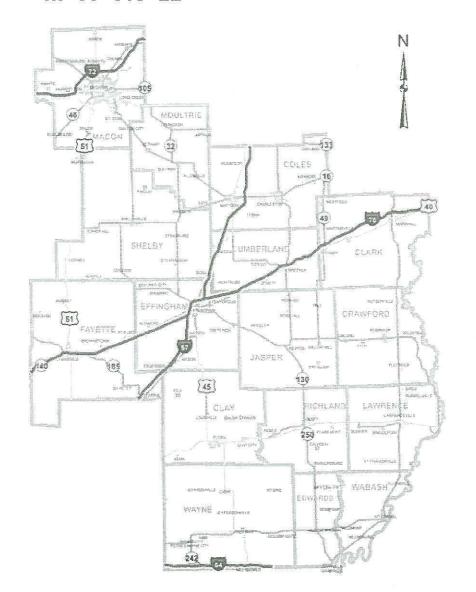
ENGINEER OF DESIGN AND EN

DIRECTOR OF RIGHWAYS PROJECT IMPLEMENTATION

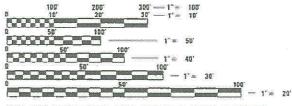
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# PROPOSED HIGHWAY PLANS

VARIOUS ROUTES
SECTION D 7 HT PVMNT MRK RPR 22–13
PROJECT HIGH TYPE PAVEMENT MARKING
VARIOUS COUNTIES
M-60–013–22



FOR INDEX OF SHEETS, SEE SHEET NO. 2



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER DEWAYNE SEACHRIST PROJECT MANAGER ROBERT GREUEL

CONTRACT NO. 46577

# INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX AND STANDARDS
- 3 4 SUMMARY OF QUANTITIES
- 5 6 EXAMPLE OF WORK SHEETS
- 7 -12 DISTRICT 7 DETAIL NO. 78000001 & 78000002

# **STANDARDS**

SCALE:

	<del></del>
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	= = = =
701011-04	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm)
701101-05	FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
701201-05	
	LANE CLOSER, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSER, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701400-10	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR
	SPEEDS ≥ 45 MPH
701426-09	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION,
	FOR SPEEDS ≥ 45 MPH
701427-05	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION,
	FOR SPEEDS ≤ 40 MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY / EXPRESSWAY
701456-05	PARTIAL EXIT RAMP CLOSURE FREEWAY / EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L,2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH
, , , , , , , , , , , , , , , , , , , ,	NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT
701002 10	TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE
701000 10	MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701701-10	TRAFFIC CONTROL DEVICES
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
780001-05	TYPICAL PAVEMENT MARKINGS

REV. - MS

USER NAME = GREUELRJ	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/23/2021	DATE -	REVISED -	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

		INDEX	OF SHE	ETS		RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	STANDARDS						D 7 HT PVMNT MRK RPR 22-13	VARIOUS	12	2
STANDANDS								CONTRACT	NO. 46	577
	SHEET	OF	SHEETS	STA.	TO STA.		LILLINOIS LEED. AT	D PROJECT		

100% STATE 100% STATE

	SUMMARY OF QUANTITIES		CONSTRUCTION TYPE O	JUUE	SUMMARY OF QUANTITIES			1	CUCTION TYPE CODE
CODE NO	ITEM UNIT	TOTAL OUANTITIES	0021	CODE NO	ITEM	UNIT	TOTAL OUANTITIES	0021	
_									
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SO FT	5000	5000	7800318	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B	- F00T	100	100	
	SYMBOLS				LINE 24"				
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4" FOOT	150000	150000	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTER	S SO FT	3000	3000	
70000400	TUEDNODI ACTIO DAVENENT MADRIANO LA INF. CH. FOOT	15000	450000		AND SYMBOLS				
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6" FOOT	150000	150000	7800900	MODIFIED URETHANE PAVEMENT MARKING - LINE 4	" F00T	50000	50000	
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8" FOOT	5000	5000						
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12" FOOT	10000	10000	7800900	MODIFIED URETHANE PAVEMENT MARKING - LINE	5" FOOT	50000	50000	
78000800	THERMOFLASTIC FAVEMENT MARKING - LINE 12 FOOT	10000	10000	7800900	MODIFIED URETHANE PAVEMENT MARKING - LINE 8	s" F00T	5000	5000	
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24" FOOT	5000	5000						
				7800901	MODIFIED URETHANE PAVEMENT MARKING - LINE	2" F00T	1500	1500	
78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - SO FT	100	100						
	LETTERS AND SYMBOLS			7800902	MODIFIED URETHANE PAVEMENT MARKING - LINE :	24" F00T	2000	2000	
78003110	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - FOOT	3000	3000	7830020	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	5000	5000	
	LINE 4"								
				X780081	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING L	NE FOOT	300000	300000	
78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - FOOT	10000	10000		- 4 INCH				
	LINE 6"								
				X780083	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING L	NE FOOT	500000	500000	
78003140	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - FOOT	100	100		- 6 INCH				
	LINE 8"								
				X780084	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING L	NE FOOT	10000	10000	
78003150	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - FOOT	500	500		- 8 INCH				
	LINE 12"								

MODEL: Default

USER NAME = GREUELRJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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BLOT DATE - 2/22/2021	DATE	DEVICED

SHEET

SUMMARY OF QUANTITIES				RTE.			SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.
				VARIOUS	D:	7 HT F	TMMV	MRK RPF	22-13	VARIOUS	12	3
										CONTRACT	NO. 46	5577
OF	SHEETS	STA.	TO STA.					ILLINOIS	FED. AI	ID PROJECT		

100% STATE

CUMMARY OF CHANTITIES		JIAIL	CON	STRUCTION TYPE CODE	DE	CLIMALADY		OLIANITITIC		CONSTRUCTIO	N TYPE CODE
SUMMARY OF QUANTITIES		TOTAL	0021			SUMMARY	UF_	QUANTITIES		TOTAL	
CODE NO ITEM	UNIT	QUANTITIES			CODE NO		ITEM		UNIT	QUANTITIES	
(7830068 GROOVING FOR RECESSED PAVEMENT MARKING.	SQ FT	100	100								
	1										
LETTERS, NUMBERS AND SYMBOLS											
7830070 GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	3000	3000								
7830074 GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	10000	10000								
1000014 GROOVING FOR RECESSED FAVEMENT MARKING F	1001	10000	10000								
7830076 GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	100	100								
7830078 GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	500	500								
7830090 GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	100	100								

MODEL: Default

 USER NAME
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 PLOT SCALE
 = 100,0000 ' / in.
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 PLOT DATE
 = 3/23/2021
 DATE
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

					RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SUMMARY OF QUANTIIES						D 7 HT PVMNT MRK RPR 22-13	VARIOUS	12	4
							CONTRACT	NO. 46	5577
SHEET	OF	SHEETS	STA	TO STA		TILLINOIS SED A	ID DOOLECT		

LOCATION ROUTE (LOCAL DESCRIPTION) COUNTY		SUMI	PAVMEI		WORK ORDER #					
COUNTY	LETTERS & SYMBOLS SQ FT	4" FOOT (WHITE)	4" FOOT (YELLOW)	6" FOOT	8" FOOT	12" FOOT (WHITE)	12" FOOT (YELLOW)	24" FOOT	PAVMENT GROOVING SQ FT	PAVMENT GROOVING FOOT

MODEL: Default

 USER NAME
 = GREUELRI
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 REVISED

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

 PLOT DATE
 = 3/23/2021
 DATE
 REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION SCALE: SHEET OF SHEETS STA.

TO STA.

# WORK ORDER

Districts 7 High-Type Pavement Marking Repair 2021-22

٧	ORK ORDER NO DA	TE OF ISSUE	ROUTE_		
LOCATIO	ON DESCRIPTION				
CONTRACT N	O.: 46577		JOB NO.: M-60-0	)13-22	
CODE NUMBER	ITEM	UNIT	QUANTITY	UNIT PRICE	ITEM COST
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	5,000.00		
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	150,000.00		
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	150,000.00		
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	5,000.00		
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	10,000.00		
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	5,000.00		
78003100	PREFORMED PLASTIC PAVEMENT MARKING - TYPE B - LETTERS AND SYMBOLS	SQ FT	100.00		
78003110	PREFORMED PLASTIC PAVEMENT MARKING - TYPE B - LINE 4"	FOOT	3,000.00		
78003130	PREFORMED PLASTIC PAVEMENT MARKING - TYPE B - LINE 6"	FOOT	10,000.00		
78003140	PREFORMED PLASTIC PAVEMENT MARKING - TYPE B - LINE 8"	FOOT	100.00		
78003150	PREFORMED PLASTIC PAVEMENT MARKING - TYPE B - LINE 12"	FOOT	500.00		
78003180	PREFORMED PLASTIC PAVEMENT MARKING - TYPE B - LINE 24"	FOOT	100.00		
78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	3,000.00		
78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	50,000.00		
78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	50,000.00		
78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	5,000.00		
78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	1,500.00		
78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	2,000.00		
78300201	PAVMENT MARKING REMOVAL - GRINDING	SQ FT	5,000.00		
X7800815	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4"	FOOT	300,000.00		
X7800835	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 6"	FOOT	500,000.00		
X7800845	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 8"	FOOT	10,000.00		
X7830068	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS, NUMBERS AND SYMBOL	S SQ FT	100.00		
X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	3,000.00		
X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	10,000.00		
X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	100.00		
X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	500.00		
X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	100.00		
ISTRICT CON	NTACT	SUBMITTED BY:	Deputy Director	of Highways	Regional Eng
NAME	: Phil Boyer		Dopaty Birector (	or i ligitway.	s, regional Eng
TELEPHONE	:: <u>217-342-8291</u>	DATE:			
ELL PHONE:	217-500-7139	APPROVED BY:	Engin	eer of Oper	ations
		DATE:			

MODEL: Default

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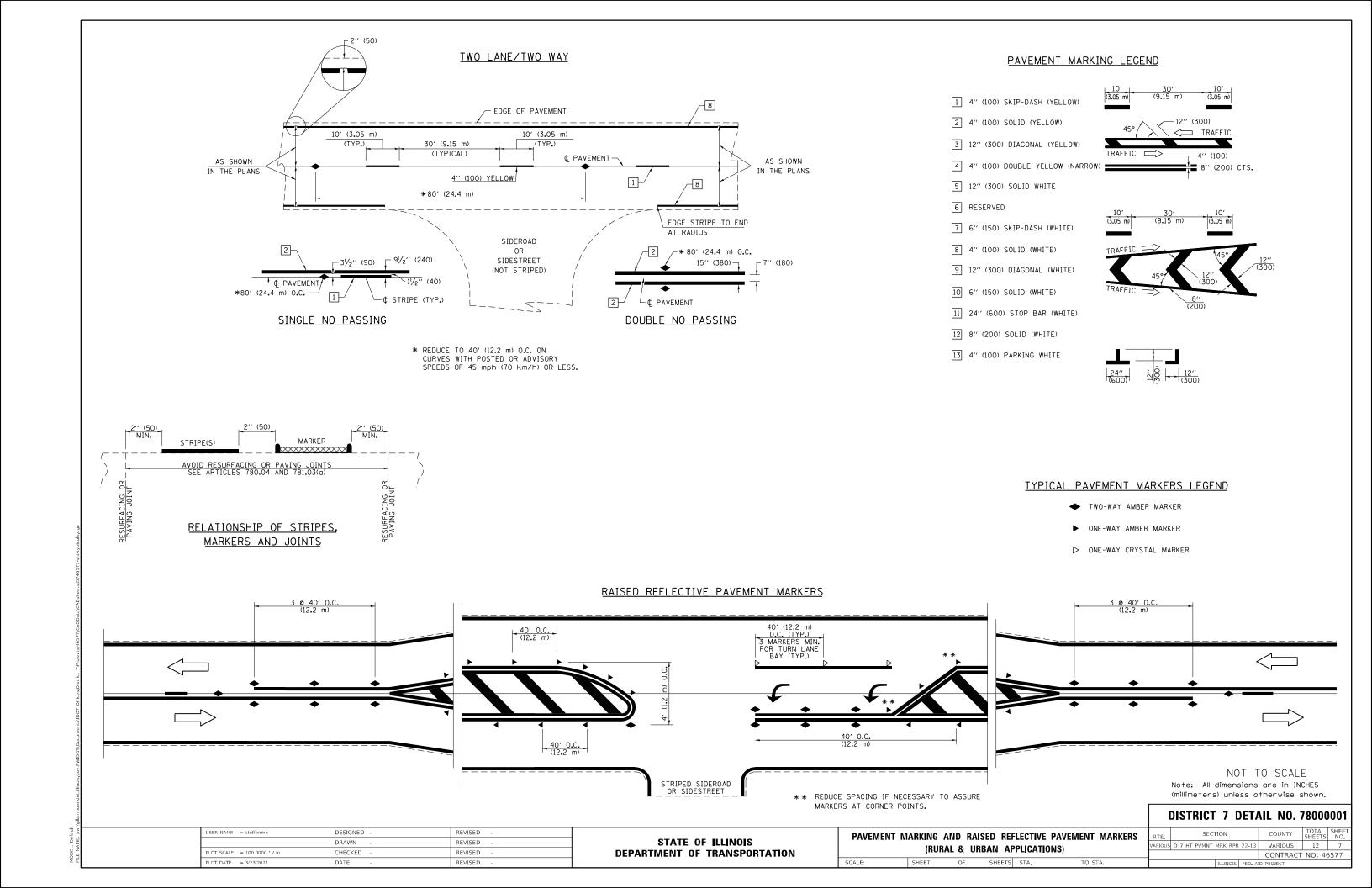
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

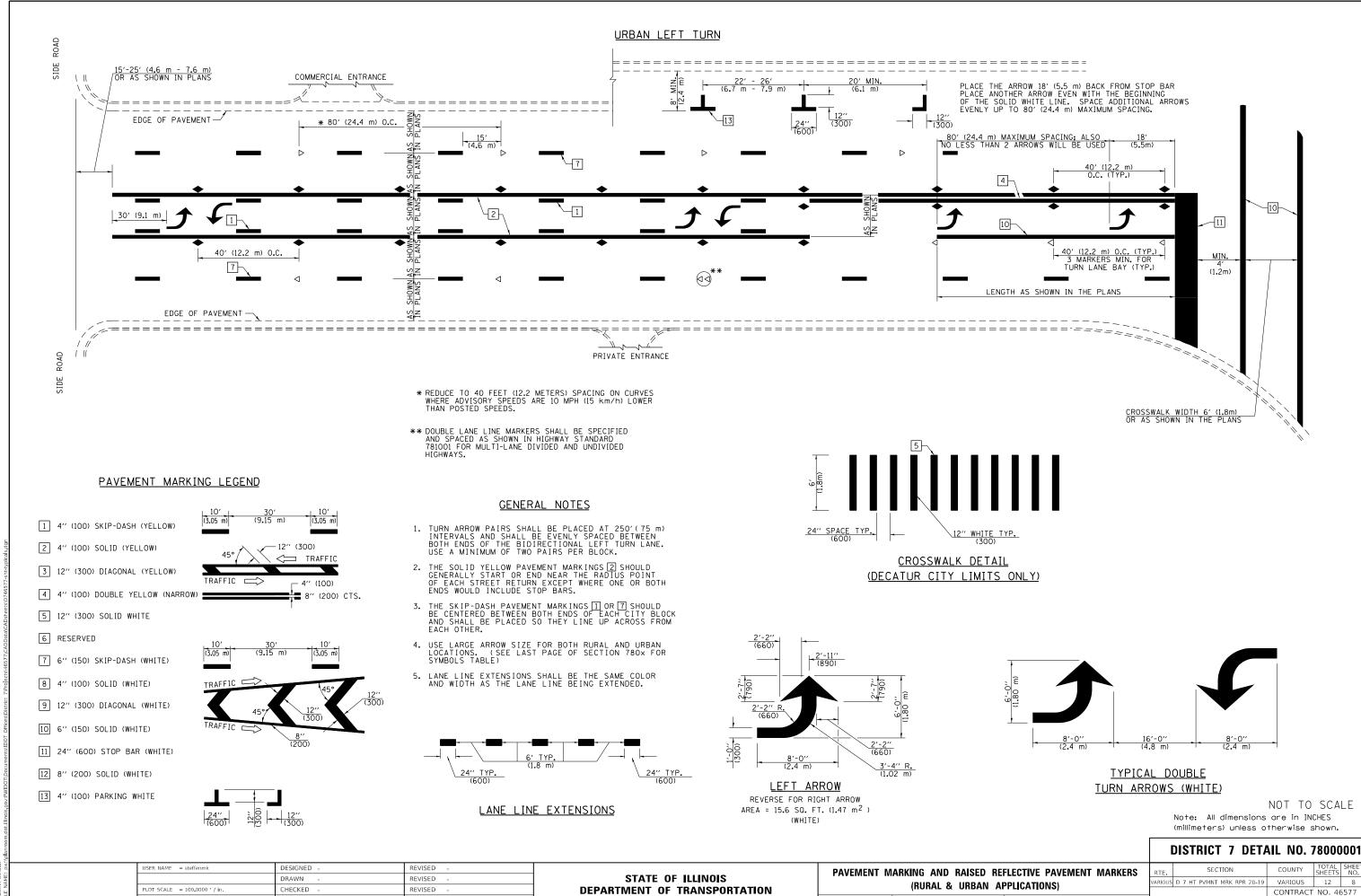
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EXAMPLE OF WORK ORDERS

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VARIOUS D 7 HT PVMNT MRK F

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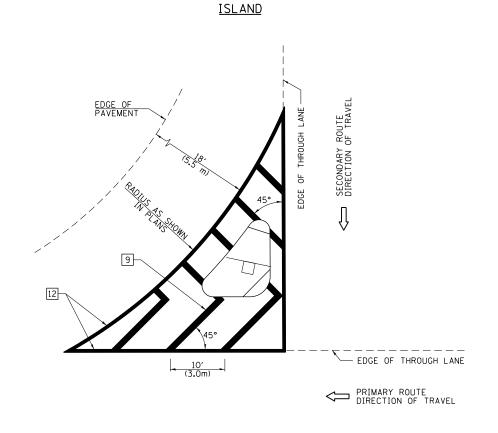


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LOT DATE = 3/23/2021

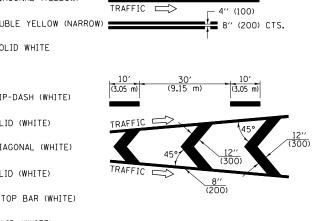
DATE

REVISED



# PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE



<☐ TRAFFIC



**GENERAL NOTES** 

3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

THE DIAGONAL PAVEMENT MARKING SPACING:

<30 MPH (<50 km/h)

30-45 MPH (50-75 km/h >45 MPH (>75 km/h

1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH 2 IF PRESENT.

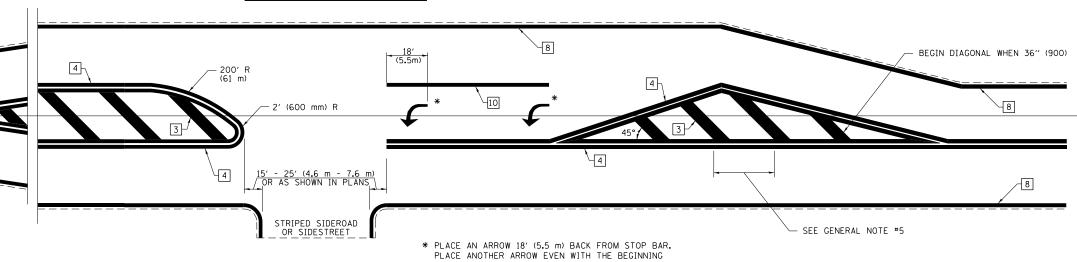
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.

4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.

5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING

15' (4.5 m)

20' (6.0 m) 30' (9.0 m)



OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT	7	DETAIL	NO.	78000001
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JSER NAME = steffenmk DESIGNED -REVISED DRAWN REVISED HECKED REVISED PLOT DATE = 3/23/2021 REVISED DATE

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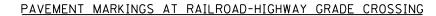
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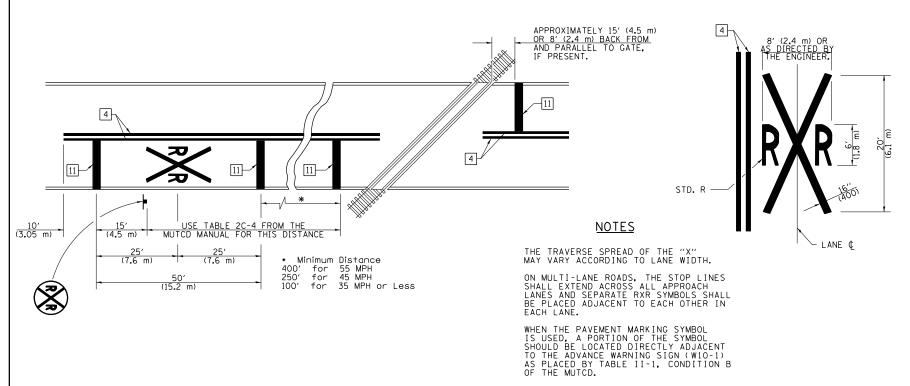
500' (164 m) MIN. NO PASSING ZONE 8

> STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

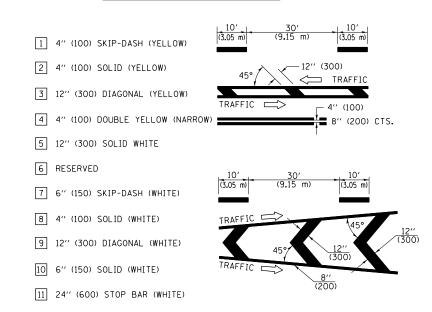
PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)

COUNTY ARIOUS D 7 HT PVMNT MRK RPR 20-19 VARIOUS 12 9 CONTRACT NO. 46577

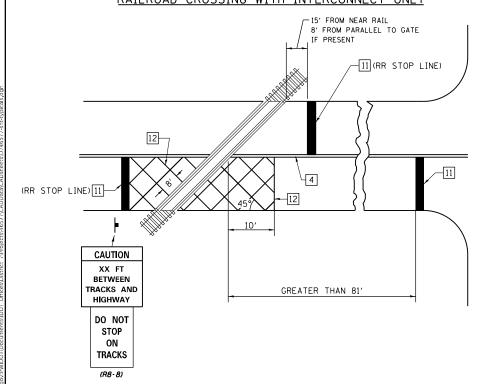




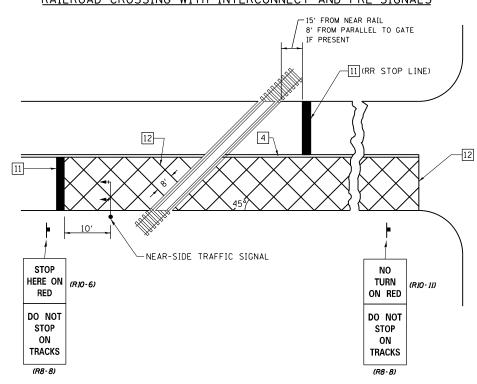
#### PAVEMENT MARKING LEGEND



# RAILROAD CROSSING WITH INTERCONNECT ONLY



# RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



## GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- 2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 3/23/2021	DATE -	REVISED -

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

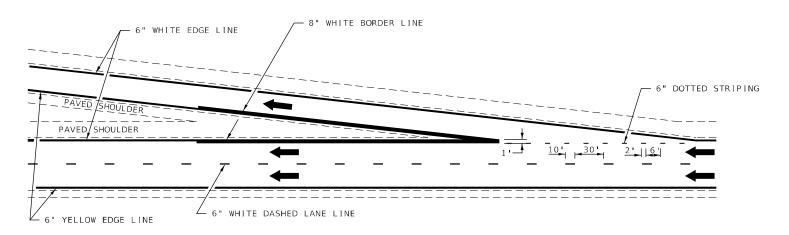
PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
(RURAL AND URBAN APPLICATIONS)

GCALE: SHEET OF SHEETS STA. TO STA.

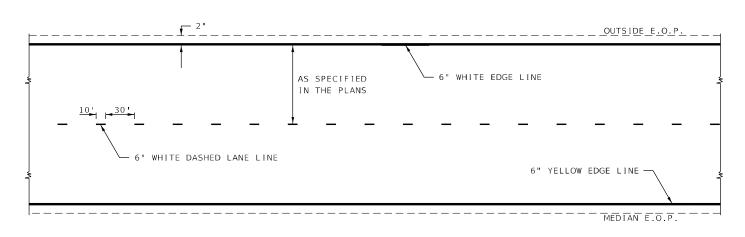
12 8" (200) SOLID (WHITE)

13 4" (100) PARKING WHITE

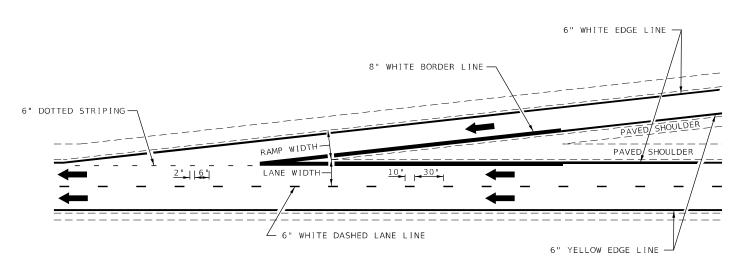
RTE. SECTION COUNTY SHEETS NO.
ARIOUS D 7 HT PVMNT MRK RPR 20-19 VARIOUS 12 10
CONTRACT NO. 46577



#### TYPICAL EXIT RAMP MARKING



### TYPICAL CENTERLING & EDGELINE MARKINGS



#### TYPICAL ENTRANCE RAMP MARKING

NOT TO SCALE

J	DISTRICT 7 DETA	AIL NO. 7	78000	002
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
A DIOUC	D 7 UT D/MUT MOV DDD 30 40	MARIOUS	1.0	2.2

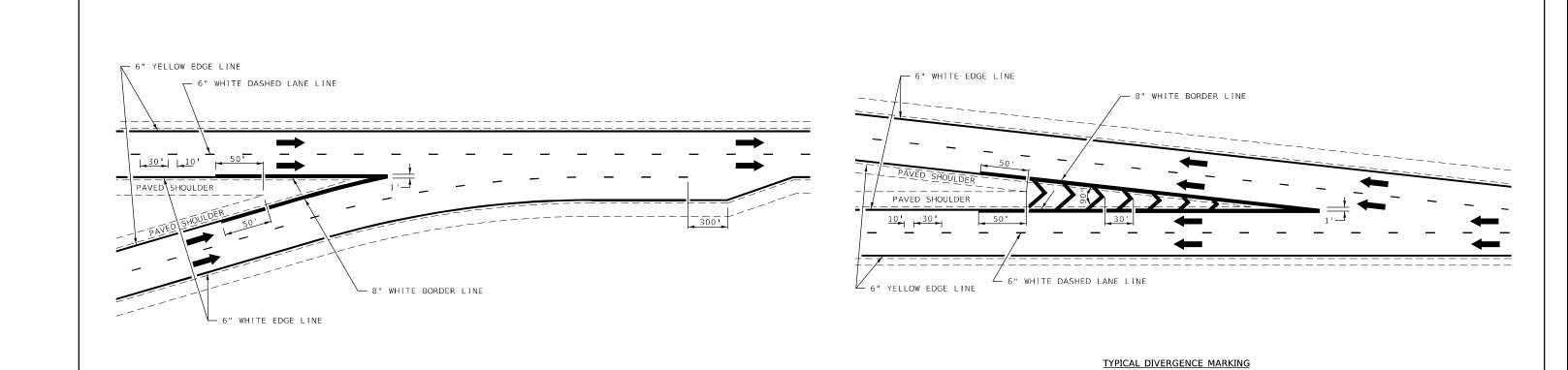
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 3/23/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

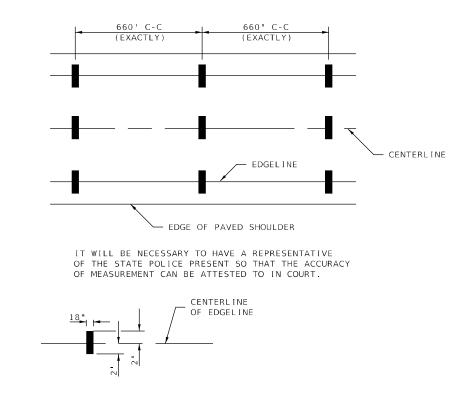
TYPICAL APPLICATIONS OF INTERSTATE PAVEMENT MARKING

E: SHEET OF SHEETS STA. TO STA.

SECTION COUNTY IO1AL SHEETS NO. US D 7 HT PVMNT MRK RPR 20-19 VARIOUS 12 11 CONTRACT NO. 46577



#### AERIAL SPEED CHECK ZONES



NOT TO SCALE

ı	DISTRICT	7 [	)ET	AIL N	0. 7	8000	002
RTE.	SEC <sup>-</sup>	TION		COUN	TY	TOTAL SHEETS	SHEET NO.
VARIOUS	D 7 HT PVMNT MRK RPR 20-19		VARIO	US	12	12	
			CONTRACT NO. 46577				
	THINOIS FED AID PROJECT						

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 3/23/2021	DATE -	REVISED -

TYPICAL CONVERGENCE MARKING

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**  TYPICAL APPLICATIONS OF INTERSTATE PAVEMENT MARKING SHEET OF SHEETS STA.