# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

## 

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NOS. 3 & 4

## TRAFFIC INFORMATION:

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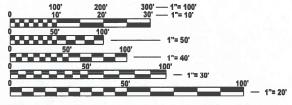
	LEG "A" <u>US 136</u>
2023 ADT	12,700
PU & PC %	93.3
SU %	3.9
MU%	2.8
TRUCK ROUTE CLASS	CLASS II
N.H.S. ROUTE	YES
FUNCTIONAL CLASS	O.P.A.

LEG "A" = US 136 UNDER ICRR

DESIGN DESIGNATION
OTHER PRINCIPAL ARTERIAL

**TOWNSHIP** 

**RANTOUL** 



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.

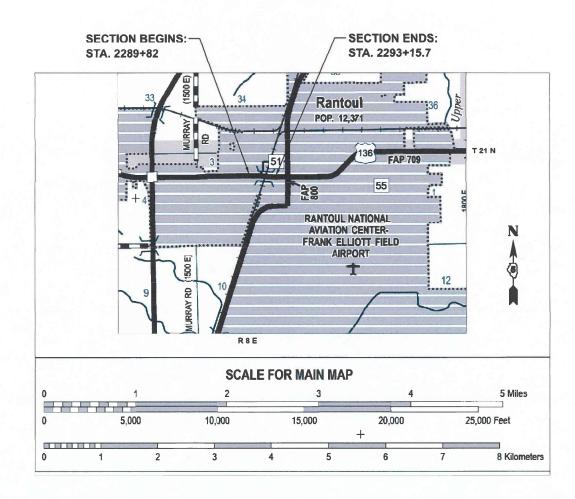
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: JASON STULTS, P.E. SQUAD LEADER: JASON GOBLE DESIGNER: MATTHEW MURPHY PHONE: (217) 465-4181
CONTRACT NO. 70H55

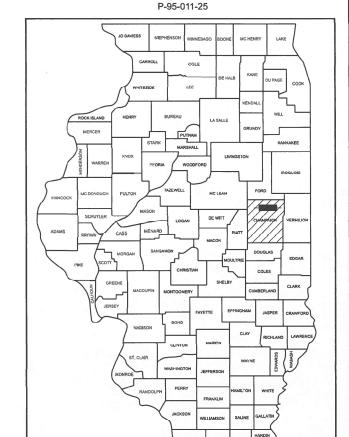
# PROPOSED HIGHWAY PLANS

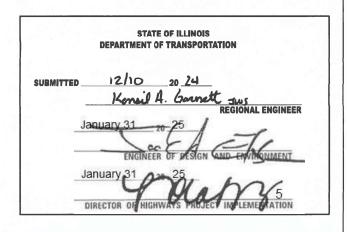
FAP ROUTE 709 (US 136)
SECTION: (113)PP
PATCHING
CHAMPAIGN COUNTY
UNDER ICRR IN RANTOUL

C-95-039-25



GROSS LENGTH = 333.70 FT. = 0.063 MILE NET LENGTH = 333.70 FT. = 0.063 MILE





LOCATION OF SECTION INDICATED THUS: -

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

## **INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS
2	HIGHWAY STANDARDS
2	GENERAL NOTES
2	COMMITMENTS
3 - 4	SUMMARY OF QUANTITIES
5	TYPICAL CROSS SECTION
6	SCHEDULE OF QUANTITIES
7	PATCHING PLAN SHEET
8	PAVEMENT MARKING PLAN SHEET
9 - 10	44200AAA CLASS A PATCHES (SPECIAL)
11 - 14	7800AAAA PAVEMENT MARKING AND MARKERS (RURAL & URBAN TYPICAL APPLICATIONS)

## **HIGHWAY STANDARDS**

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006-00	DECIMAL OF AN INCH AND OF A FOOT
420001-10	PAVEMENT JOINTS
421001-03	BAR REINFORCEMENT FOR CRC PAVEMENT
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON-TRANSVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701901-10	TRAFFIC CONTROL DEVICES

## **GENERAL NOTES**

#### G.N.-100A

ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

#### G.N.-107.12

THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE LOCAL RAILROAD CONTACT IS:

#### Diane Lewis

Manager, Public Projects

#### CN Railroad

1006 E 4th Street Waterloo, IA 50703

(319) 472-1031

SPECIAL ATTENTION IS CALLED TO ARTICLE 107.12 REGARDING RAILROAD FLAGGERS. THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE RAILROAD FLAGGER CONTACT IS:

#### U.S. Flaggin Desk

17641 South Ashland Avenue Homewood, Illinois 60430

(682) 316-5097

SOME RAILROADS REQUIRE CONTRACTORS TO OBTAIN A RIGHT OF ENTRY PERMIT BEFORE ENTERING UPON RAILROAD RIGHT OF WAY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN A RAILROAD RIGHT OF ENTRY PERMIT FROM THE RAILROAD IF REQUIRED BY THE RAILROAD(S).

#### G.N.-406S

#### PROJECT POSTED SPEED LIMITS

THE FOLLOWING TABLE IS A LISTING OF POSTED SPEED LIMITS WITHIN THE PROJECT LIMITS. THE ENGINEER SHALL FIELD VERIFY THESE LIMITS:

STATION	ТО	STATION	POSTED SPEED LIMIT (MPH)
2289+00		2294+00	35

#### G.N.-440B

THE EXISTING TIE BARS BETWEEN THE EXISTING PAVEMENT AND EXISTING MEDIANS, GUTTERS AND/OR COMBINATION CURB AND GUTTERS THAT ARE FOUND SUITABLE FOR REUSE SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY EXISTING TIE BARS THAT ARE FOUND UNSUITABLE TO BE INCORPORATED INTO THE PROPOSED CONSTRUCTION DUE TO EXCESSIVE RUSTING OR DISTRESS SHALL BE REMOVED FLUSH WITH THE FACE

OF THE EXISTING CONCRETE AND DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS REMOVAL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

#### G.N.-703A

SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (TACK COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

#### G.N.-781

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

### COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS PROJECT.

- 5	PLOT DATE = 12/4/2024	DATE	REVISED -	
		CHECKED -	REVISED -	
		DRAWN -	REVISED -	
	USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS					F.A.P. RTE.	SEC
						709	(11:
	SHEET 1	OF 1	SHEETS	STA.	TO STA.	Pr.	

LOCATION OF WORK:

FAP 709 / US 136 URBAN - 4 LANE

O.P.A.

STA. 2289+82.0 ~ STA. 2293+15.7

COUNTY: CHAMPAIGN

FUNDING BREAKOUT: STATE 100%

CONSTRUCTION TYPE CODE: 0006

	CODE NO.	ITEM	UNIT	TOTAL QUANITIY
	44213000	PATCHING REINFORCEMENT	SQ YD	1,303.0
	44213200	SAW CUTS	FOOT	3,612.0
	44213206	TIE BAR 5/8"	EACH	706.0
	67100100	MOBILZATION	LUMP SUM	1.0
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	LUMP SUM	1.0
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LUMP SUM	1.0
	70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	LUMP SUM	1.0
	70103815	TRAFFIC CONTROL SURVEILANCE	CAL DAY	5.0
	70307120	TEMPORARY PAVEMENT MARKING - LINE - 4" - TYPE IV TAPE	FOOT	201.0
*	78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	FOOT	1,495.0
*	78008350	POLYUREA PAVEMENT MARKING TYPE II - LINE 12"	FOOT	123.0
*	78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	1,495.0
*	78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	123.0
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	18.0
* SPECI	IALTY ITEM			

**SUMMARY OF QUANTITIES** 

USER NAME = Bridgette.Pierson	DESIGNED - MINNIN	REVISED -
	DRAWN - JRG	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.		
SUMMARY OF QUANTITIES			709	(113)PP		CHAMPAIGN	14	3			
					CONTRACT	NO. 70	<del>1</del> 55				
SHEET 1	OF	2	SHEETS	STA.	TO STA.		ILLINOIS	FED. AID	PROJECT		

LOCATION OF WORK:

LOCATION OF WORK:

URBAN - 4 LANE

O.P.A.

STA. 2289+82.0 ~ STA. 2293+15.7

COUNTY: CHAMPAIGN

FUNDING BREAKOUT: STATE 100%

CONSTRUCTION TYPE CODE: 0006

CODE NO.	ITEM		TOTAL QUANITIY
X4420557	CLASS A PATCHES, TYPE III, 10 INCH (SPECIAL)	SQ YD	48.0
X4420559	CLASS A PATCHES, TYPE IV, 10 INCH (SPECIAL)	SQ YD	1,255.0
Z0013798	CONSTRUCTION LAYOUT	LUMP SUM	1.0
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LUMP SUM	1.0
* SPECIALTY ITEM			

**SUMMARY OF QUANTITIES** 

ILE NAME: c:\pw work\pwidot\projects\d1052724\D570H

USER NAME = Bridgette.Pierson	DESIGNED - MWM	REVISED -
	DRAWN - JRG	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/9/2024	DATE -	REVISED -

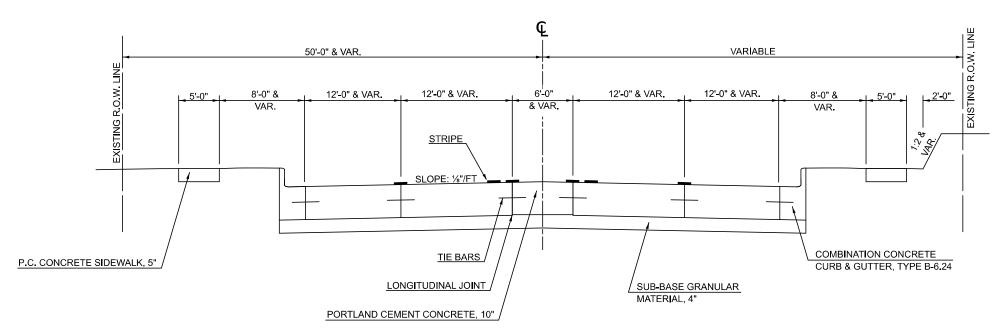
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	I IMANA DV	OF OU	MTITIE	•	F.A.P. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
SUMMARY OF QUANTITIES					709	(113)PP		CHAMPAIGN	14	4
								CONTRACT	NO. 701	<b>⊣</b> 55
SHEET 2	OF 2	SHEETS	STA.	TO STA.		ILLINOIS F	ED. AID	PROJECT		

## EXISTING TYPICAL CROSS SECTION FAP 709 (US ROUTE 136)

 STATION
 TO
 STATION

 2289+82.00
 2293+15.70



MODEL: Iypical Sections [Sheet]
FILE NAME: c:\pw\_work\pwidot\projects\d10527

USER NAME = Justin Cearlock	DESIGNED -	REVISED -		
	DRAWN -	REVISED -	ı	
	CHECKED -	REVISED -	ı	
PLOT DATE = 12/4/2024	DATE -	REVISED -	l	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	EXISTING TYPICAL CROSS SECTION FAP 709 (US ROUTE 136)						SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
							(113)PP	CHAMPAIGN	14	5
								CONTRACT	ΓNO. 70	H55
	SHEET 1	OF 1	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		

### PATCHING SCHEDULE OF QUANTITIES

					200 8 50 50 8					
					CLASS A	CLASS A				
					TYPE III, 10"	TYPE IV, 10"	SAW	TIE BARS	PATCH	
					(SPECIAL)	(SPECIAL)	CUTS	5/8"	REINFORCEMENT	
					X4420557	X4420559	44213200	44213206	44213000	
APPROX	DIRECTION	APPROX	LENGTH	WIDTH	(SQ YD)	(SQ YD)	(FOOT)	(EACH)	(SQ YD	
STATION		STATION								
LOCA	ATION - US 136 UN	IDER ICRR								
2289+82	EB MEDIAN	2293+15.7	333.7	7.7		284.4	1031.8	222.0	284.4	
2289+82	EB DL	2293+15.7	333.7	12.0		111.9	1049.1	222.0	111.9	
2289+82	EB PL	2293+15.7	333.7	12.0		444.9	1049.1	222.0	444.9	
2293+15.7	WB DL	2292+85.5	30.2	12.0		40.3	138.6	20.0	40.3	
2293+15.7	WB PL	2292+85.5	30.2	12.0		40.3	138.6	20.0	40.3	
2290+00	WB DL	2288+82	18.0	12.0	24.0		102.0		24.0	
2290+00	WB PL	2288+82	18.0	12.0	24.0		102.0		24.0	
	•	**	•	TOTAL:	48.0	1254.80	3611.2	706.0	1302.8	
				USE:	48	1255	3612	706	1303	

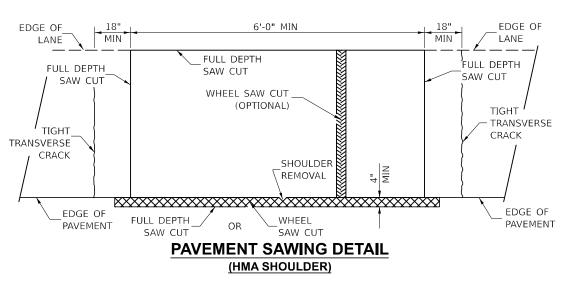
NOTE: PATCHING QUANTITIES CALCULATED BY CADD.

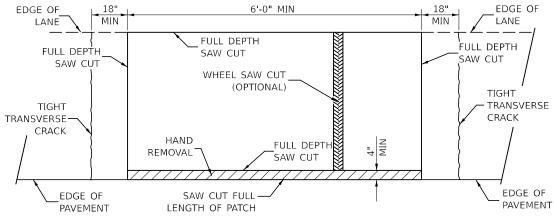
#### PAVEMENT MARKINGS QUANTITIES

							GROOVING FOR	GROOVING FOR	RAISED	TEMPORARY
					POLYUREA PM	POLYUREA PM	RECESSED	RECESSED	REFLECTIVE	PAVEMENT
					T2 LN 4	T2 LN 12	PAVEMENT	PAVEMENT	PAVEMENT	MARKING LINE 4"
							MARKING 5"	MARKINGS 13"	MARKER	TYPE IV TAPE
					78008310	78008350	78011025	78011065	78100100	70307120
	DIRECTION		LENGTH	WIDTH	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(FOOT)
STATION		STATION								
US 136 UNDE	R ICRR									
2289+82		2293+15.7	333.7 / 40 =						8.34	
2289+82		2293+15.7	333.7 / 40 =						8.34	
2289+82	EB MEDIAN	2293+15.7	333.7 x 2	4"	667.4		667.4			
2289+82	WB MEDIAN	2293+15.7	333.7 x 2	4"	667.4		667.4			
2289+82	EB SKIP/ DASH	2293+15.7	333.7 / 40 x 10 =	4"	80.0		80.0			
2289+82	WB SKIP/DASH	2293+15.7	333.7 / 40 x 10 =	4"	80.0		80.0			
2289+82	~	2293+15.7		MEDIA	N MADE IN SKIPDA	SH WHITE LANE C	ENTER LINE SKIP D	DASH IN YELLOW		201
2289+85	CL	DIAGONAL		12"		5.0		5.0		
2290+05	CL	DIAGONAL		12"		5.0		5.0		
2290+26.5	CL	DIAGONAL		12"		5.0		5.0		
2290+45.5	CL	DIAGONAL		12"		5.0		5.0		
2290+67	CL	DIAGONAL		12"		5.0		5.0		
2290+87	CL	DIAGONAL		12"		5.0		5.0		
2291+06	CL	DIAGONAL		12"		6.0		6.0		
2291+25.5	CL	DIAGONAL		12"		6.0		6.0		
2291+45.5	CL	DIAGONAL		12"		6.0		6.0		
2291+66	CL	DIAGONAL		12"		6.0		6.0		
2291+85	CL	DIAGONAL		12"		6.5		6.5		
2292+04	CL	DIAGONAL		12"		8.0		8.0		
2292+24	CL	DIAGONAL		12"		10.0		10.0		
2292+44.5	CL	DIAGONAL		12"		11.0		11.0		
2292+64	CL	DIAGONAL		12"		13.0		13.0		
2292+81	CL	DIAGONAL		12"		11.0		11.0		
2293+07.5	CL	DIAGONAL		12"		9.0		9.0		
				TOTAL:	1494.8	122.5	1494.8	122.5	16.68	201
				USE:	1495	123	1495	123	18	201

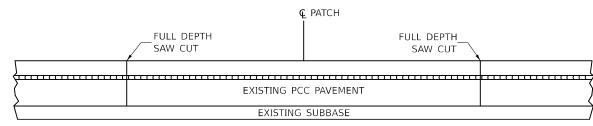
USER NAME = Justin.Cearlock	DESIGNED - MWM	REVISED -	Ī
	DRAWN - JRG	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 12/4/2024	DATE -	REVISED -	

SCHEDULE OF QUANTITIES							F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
							709	(113)PP	CHAMPAIGN	14	6
								•	CONTRACT	Γ NO. 70	H55
SHEET	1	OF	1	SHEETS	STA.	TO STA.		ILLINOIS FED.	ID PROJECT		

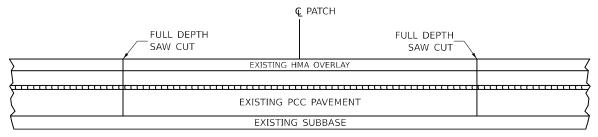




## **PAVEMENT SAWING DETAIL** (PCC SHOULDER)



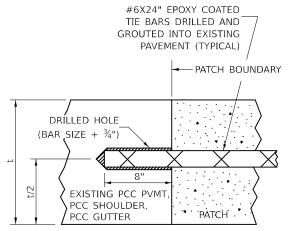
#### **EXISTING PAVEMENT WITHOUT HMA SURFACE**



#### **EXISTING PAVEMENT WITH HMA SURFACE**

## PAVEMENT SAWING DETAIL FOR CLASS A PATCHING (CRC PAVEMENT)

## \* NO. 6 TRANSVERSE BAR SHALL BE -DRILLED AND GROUTED INTO EXISTING TIED TO LONGITUDINAL BAR. EDGE OF PAVEMENT (TYPICAL). LANE TRANSVERSE REBAR SHALL EXTEND TO OUTER SHOULDER REMOVAL LONGITUDINAL REBAR WHILE PROVIDING A MINIMUM 3" CLEARANCE FROM EXISTING PAVEMENT EDGE PAVEMENT REINFORCEMENT DETAIL



## LONGITUDINAL CONSTRUCTION JOINT

PATCHES MORE THAN 20' IN LENGTH SHALL BE TIED TO ADJACENT PAVEMENT, PCC SHOULDERS OR PCC CURB AND GUTTER WITH #6x24" EPOXY COATED TIE BARS AT 36" CENTERS.

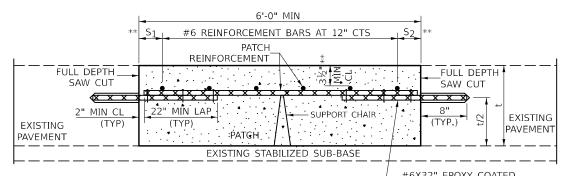
#### NOTES:

EXISTING LONGITUDINAL REINFORCEMENT SPACING; ±6½".

SPACING OF NEW LONGITUDINAL REINFORCEMENT AND NEW LONGITUDINAL TIE BARS SHALL MATCH SPACING OF EXISTING REINFORCEMENT AND SHALL BE TIED TOGETHER WITH A MINIMUM OF TWO TIES PER BAR.

SUPPORT CHAIRS SHALL BE REQUIRED WHENEVER PATCH LENGTH EXCEEDS 6'-0"

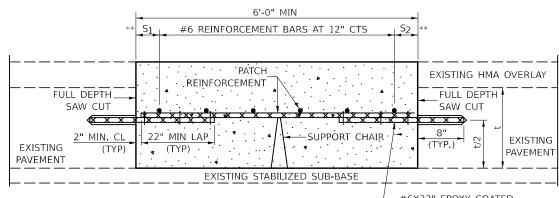
- \* EVERY THIRD INTERSECTION MUST BE TIED. WHEN THE MINIMUM CLEARANCE CANNOT BE OBTAINED WITH THE TRANSVERSE REBAR ON TOP, THEN THE TRANSVERSE REBAR SHALL BE TIED TO THE BOTTOM OF THE LONGITUDINAL REBAR,
- \*\* VARIABLES WHERE S $_1$  AND S $_2$  ARE  $2^{1\!\!/}\!\!/_2$  MIN. AND 12" MAX.



WITHOUT HMA OVERLAY

#6X32" EPOXY COATED TIE BARS DRILLED AND GROUTED INTO EXISTING PAVEMENT (TYPICAL)

#6X32" EPOXY COATED TIE BARS.



WITH HMA OVERLAY

#6X32" EPOXY COATED TIE BARS DRILLED AND GROUTED INTO EXISTING PAVEMENT (TYPICAL)

## PATCHING DETAIL FOR CLASS A PATCHING (CRC PAVEMENT)

TO STA.

**CLASS A PATCHING (SPECIAL)** 

SHEET 1 OF 2 SHEETS STA.

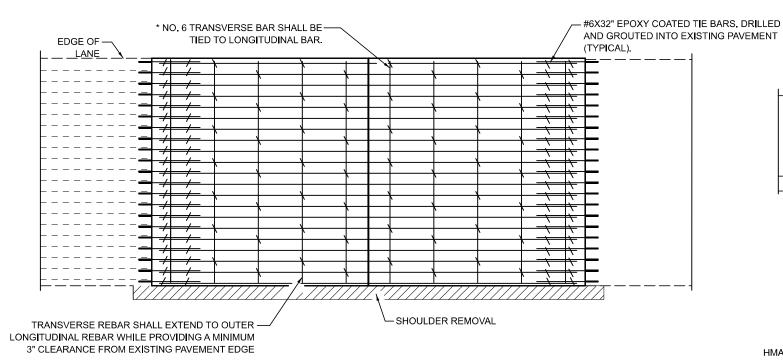
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

	DISTRICT	5 DE	TAIL	NO. 4420	OAA)	4
F.A.P. RTE	SEC <sup>-</sup>	TION		COUNTY	TOTAL SHEETS	SHEET NO.
709	(113	)PP		CHAMPAIGN	14	9
			CONTRACT NO. 70H55			
		ILLINOIS	D PROJECT			

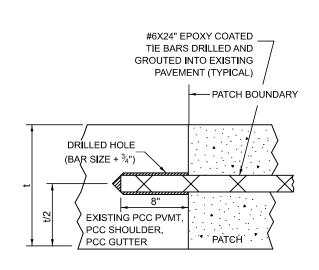
USER NAME = Justin Cearlock	DESIGNED - JWS	REVISED - 01/2023 - JWS
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/4/2024	DATE - 01/2021	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** 

### TRANSVERSE EXPANSION JOINTS

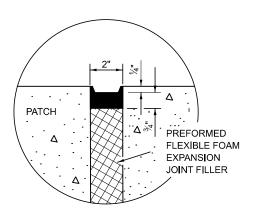


## PAVEMENT REINFORCEMENT DETAIL

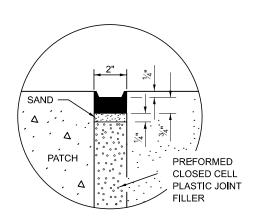


## **LONGITUDINAL CONSTRUCTION JOINT**

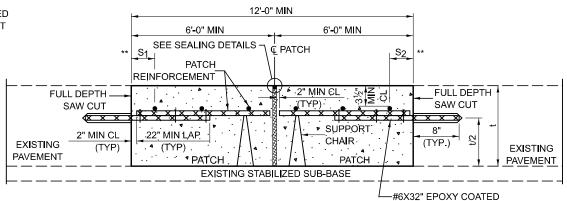
PATCHES MORE THAN 20' IN LENGTH SHALL BE TIED TO ADJACENT PAVEMENT, PCC SHOULDERS OR PCC CURB AND GUTTER WITH #6x24" EPOXY COATED TIE BARS AT 36" CENTERS.



## **SEALING DETAIL**



### **SEALING DETAIL**



**WITHOUT HMA OVERLAY** 

TIE BARS DRILLED AND
GROUTED INTO EXISTING
PAVEMENT (TYPICAL)

12'-0" M**I**N 6'-0" MIN 6'-0" MIN SEE SEALING DETAILS -PATCH S2\_ EXISTING -EXISTING HMA SURFACE **HMA SURFACE** REINFORCEMENT \_\_ 2" MIN CL: FULL DEPTH — **FULL DEPTH** (TYP) SAW CUT SAW CUT SUPPORT 8" 22" MIN LAP 2" MIN CL CHAIR (TYP.) **EXISTING EXISTING** (TYP) · (TYP) • PAVEMENT PAVEMENT PATCH EXISTING STABILIZED SUB-BASE -#6X32" EPOXY COATED

**WITH HMA OVERLAY** 

CLASS A PATCH WITH EXPANSION JOINT

#### NOTES:

EXISTING LONGITUDINAL REINFORCEMENT SPACING; ±6½".

TIE BARS DRILLED AND

PAVEMENT (TYPICAL)

GROUTED INTO EXISTING

SPACING OF NEW LONGITUDINAL REINFORCEMENT AND NEW LONGITUDINAL TIE BARS SHALL MATCH SPACING OF EXISTING REINFORCEMENT AND SHALL BE TIED TOGETHER WITH A MINIMUM OF TWO TIES PER BAR.

SUPPORT CHAIRS SHALL BE REQUIRED WHENEVER PATCH LENGTH EXCEEDS 6'-0"

\* EVERY THIRD INTERSECTION MUST BE TIED. WHEN THE MINIMUM CLEARANCE CANNOT BE OBTAINED WITH THE TRANSVERSE REBAR ON TOP, THEN THE TRANSVERSE REBAR SHALL BE TIED TO THE BOTTOM OF THE LONGITUDINAL REBAR.

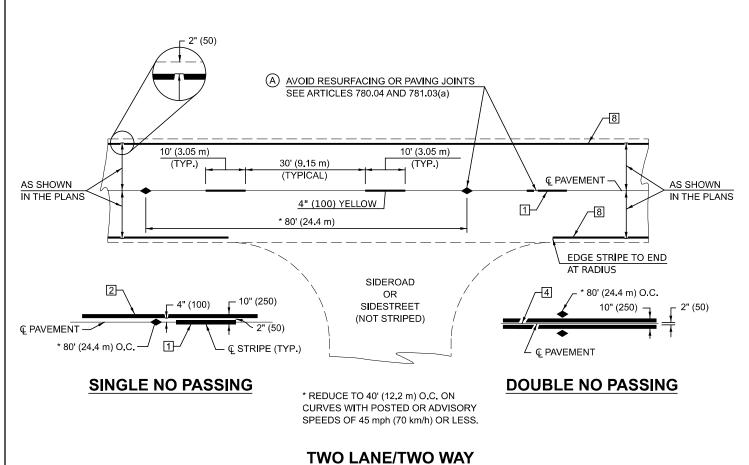
\*\*VARIABLES WHERE S<sub>1</sub> AND S<sub>2</sub> ARE  $2\frac{1}{2}$ " MIN. AND 12" MAX.

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

DISTRICT 5 DETAIL NO 44200AAA

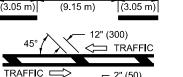
						-	,,011,,01	O DE IAIE NOI 44		-
USER NAME = Justin.Cearlock	DESIGNED - JWS	REVISED - 12/2023 - JWS		CLASS A PATCHING (SPECIAL)		F.A.P.	SECTION	ON COUNTY	TOTAL	SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS	OLAGO A I ATOTINO (OI EGIAE)			(113)F	PP CHAMPAIG	3N 14	10
	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			_		CONTR/	ACT NO. 70	)H55
PLOT DATE = 12/4/2024	DATE - 01/2021	REVISED -		SCALE:	SHEET 2 OF 2 SHEETS STA. TO STA.		1	ILLINOIS FED AID PROJECT		

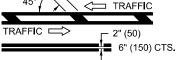


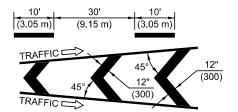
### TYPICAL PAVEMENT MARKING LENGEND

## TYPICAL PAVEMENT MARKERS LENGEND

- (3.05 m) (9.15 m) 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) 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) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE





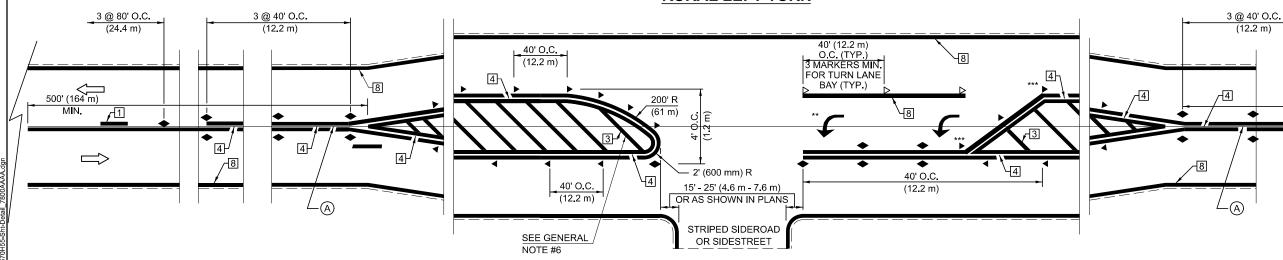


4' TYP.

24" TYP. (610)

- ◆ TWO-WAY AMBER MARKER
  - ▶ ONE-WAY AMBER MARKER
  - ▷ ONE-WAY CRYSTAL MARKER

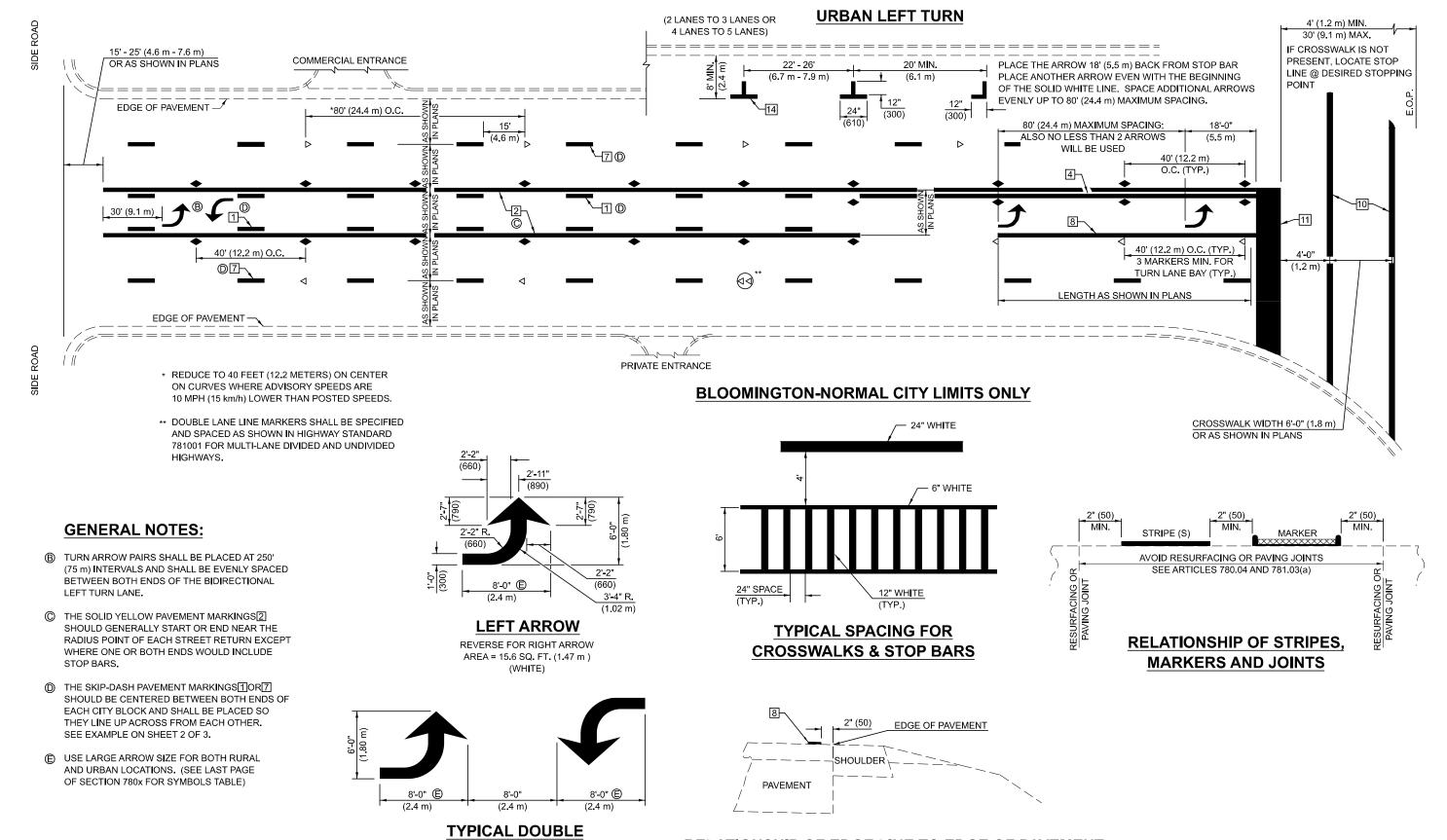




- 3 @ 80' O.C. (12.2 m) (24.4 m)  $\leftarrow$ 500' (164 m) MIN.  $\sqrt{1}$
- \*\*\* REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.
- \*\* TURN ARROWS SHALL BE PLACED AS SHOWN OF SHEET #2.

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

						Г	DISTRICT 5 DETA	IL NO. 780	OAAA	Α
USER NAME = Justin.Cearlock	DESIGNED -	REVISED - 4/2014 JLA			PAVEMENT MARKING AND MARKERS	F.A.P.	SECTION	COUNTY	TOTAL	SHEET NO.
	DRAWN -	REVISED - 3/2019 SWN	STATE OF ILLINOIS	(RURAL & URBAN APPLICATIONS)			(113)PP	CHAMPAIGN	14	11
	CHECKED -	REVISED - 8/2022 JLA	DEPARTMENT OF TRANSPORTATION		(RURAL & URBAN APPLICATIONS)			CONTRACT	T NO. 70F	155
PLOT DATE = 12/4/2024	DATE -	REVISED - 9/2022 JWS		SCALE:	SHEET 1 OF 4 SHEETS STA. TO STA.		ILLINOIS FED	AID PROJECT		



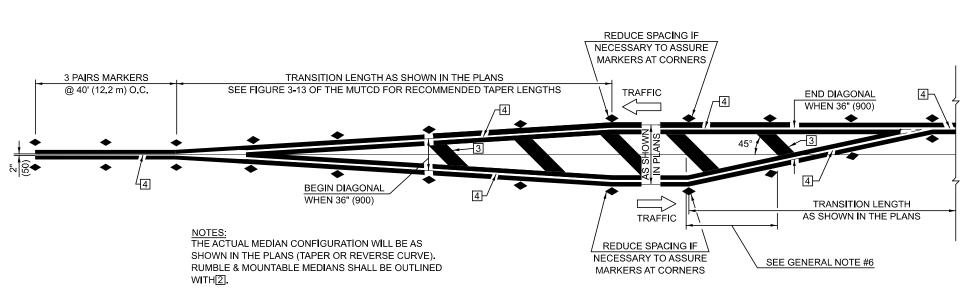
TYPICAL DOUBLE
TURN ARROWS (WHITE)

## RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT

(SAFETY SHOULDER OR PAVED SURFACE) SEE ARTICLE 780.04

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

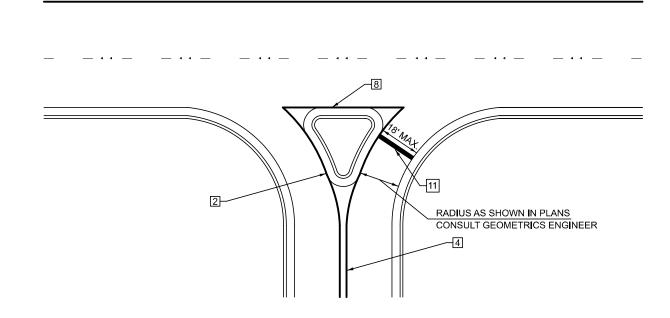
						DISTRICT 5 DETA	IL NO. 780	)0AAA	A
USER NAME = Justin.Cearlock	DESIGNED -	REVISED - 4/2014 JLA		PAVEMENT MARKING AND MARKERS	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - 3/2019 SWN	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION  CRURAL & URBAN APPLICATIONS	709	(113)PP	CHAMPAIGN	14	12	
	CHECKED -	REVISED - 8/2022 JLA		(RURAL & URDAN APPLICATIONS)			CONTRAC	T NO. 70F	155
PLOT DATE = 12/4/2024	DATE -	REVISED - 9/2022 JWS		SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.		ILLINOIS FED. A	ID PROJECT		



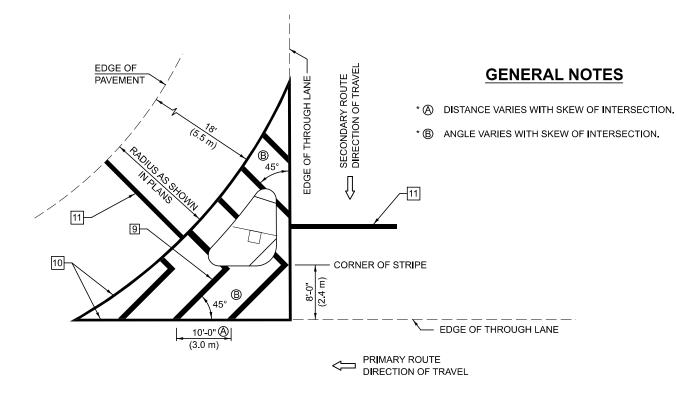
## TYPICAL MEDIAN TRANSITIONS

## **GENERAL NOTES**

- 1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
- 2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
- 3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
- 4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
- 5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
- 6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING, <30 MPH USE 15' (<50 km/h USE 4.5 m) 30-45 MPH USE 20' (50-75 km/h USE 6.0 m) >45 MPH USE 30' (>75 km/h USE 9.0 m)



**RIGHT IN - RIGHT OUT ACCESS** 

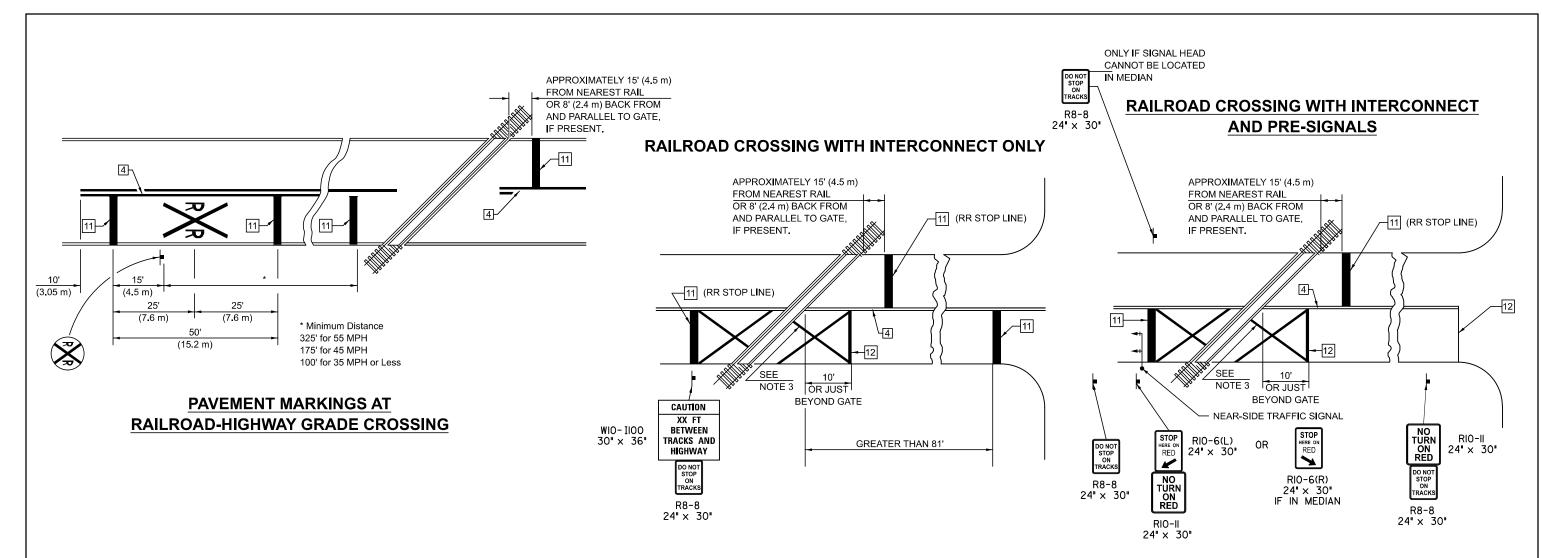


## **ISLAND**

\* FOR RIGHT TURN LANE AND ISLAND STRIPING CONSULT GEOMETRICS ENGINEER.

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

							DISTRICT 5 DETAI	IL NO. 7800AAAA	Ī
USER NAME = Justin.Cearlock	DESIGNED -	REVISED - 4/2014 JLA			PAVEMENT MARKING AND MARKERS	F.A.P.	SECTION	COUNTY TOTAL SHEE	ΞT
	DRAWN -	REVISED - 3/2019 SWN	STATE OF ILLINOIS	STATE OF ILLINOIS (RURAL & URBAN APPLICATIONS)	709	(113)PP	CHAMPAIGN 14 13	, <u> </u>	
	CHECKED -	REVISED - 8/2022 JLA	DEPARTMENT OF TRANSPORTATION (ROKAL & ORDAN AFFLICATIONS)					CONTRACT NO. 70H55	
PLOT DATE = 12/4/2024	DATE -	REVISED - 9/2022 JWS		SCALE:	SHEET 3 OF 4 SHEETS STA. TO STA.		ILLINOIS FED. A	JD PROJECT	_



## **GENERAL NOTES**

- 1. 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.
- 3. 6" WHITE PAVEMENT MARKINGS AT  $45^{\circ}$  TO PAVEMENT,  $8^{\circ}$  CENTER TO CENTER.

8' (2.4 m) OR

AS DIRECTED BY

THE ENGINEER.

LANE Q

- 4. XX DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- 5. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.

## SUPPLEMENT PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

ALTERNATE SIGNS



RIO-6a(L)

STOP HERE ON RED

RI0-6a(R)

### **NOTES**

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

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

							ı	DISTRICT 5 DET	AIL NO. 78	00AAA	Ā
USER NAME = Justin.Cearlock	DESIGNED -	REVISED - 4/2014 JLA			PAVEMENT MARKING AND MAR	RKERS	F.A.P.	SECTION	COUNTY	TOTAL	SHEET NO.
	DRAWN -	REVISED - 3/2019 SWN	STATE OF ILLINOIS	(RURAL & URBAN APPLICATIONS)		709	(113)PP	CHAMPAIGN	14	14	
	CHECKED -	REVISED - 8/2022 JLA	DEPARTMENT OF TRANSPORTATION		(RURAL & URBAN APPLICATIO	UNS			CONTRAC	T NO. 701	155
PLOT DATE = 12/4/2024	DATE -	REVISED - 9/2022 JWS		SCALE:	SHEET 4 OF 4 SHEETS STA.	TO STA.		ILLINOIS FE	D. AID PROJECT		