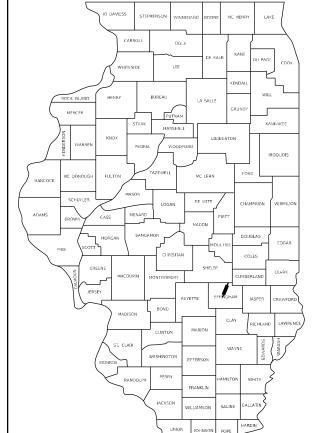
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

D-97-103-20



FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT (2019) = 19,100

STATION EQUATION SB STATION 5576 + 13 BK = 5575 + 29 AH

ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS 1-800-892-0123

PROJECT ENGINEER BRIAN LEWIS PROJECT MANAGER ALEX KREKE/CHRIS WESTENDORF

CONTRACT NO. 74A20

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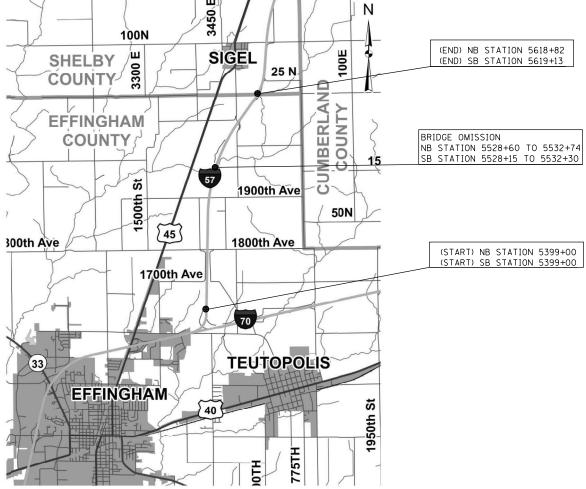
PROPOSED HIGHWAY PLANS

FAI ROUTE 57A (I-57) SECTION 25-8RS-1 PROJECT NHPP-2UB0(567) **SMART OVERLAY EFFINGHAM COUNTY**

C-97-109-20

GROSS LENGTH = 21.982 FT. = 4.163 MILE

NET LENGTH = 21,568 FT. = 4.084 MILE



SUBMITTED _March 18

LOCATION OF SECTION INDICATED THUS: -

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

REV. - MS

INDEX OF SHEETS

SHEET NO.	<u>ITEM</u>
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
3-4	SUMMARY OF QUANTITIES
5	TYPICAL CROSS-SECTIONS
6	SCHEDULE OF QUANTITIES
7-10	PLAN SHEETS
11-17	DETAILS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET OF THE PLANS.

STD. NO.	<u>DESCRIPTION</u>
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
642001-02	SHOULDER RUMBLE STRIPS, 16 IN
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701400-10	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

SUGGESTED SEQUENCE OF OPERATIONS:

- SET UP TRAFFIC CONTROL TO CLOSE ONE LANE.
- MILL TRAFFIC LANE AND SHOULDER.
- SWITCH TRAFFIC OVER TO THE OTHER LANE.
- MILL THE OTHER LANE AND SHOULDER TO THE STOPPING POINT OF THE ADJACENT MILLING.
- PLACE THE LONGITUDINAL JOINT SEALANT AT THE CENTERLINE.
- PLACE THE SURFACE COURSE IN EACH LANE AND ADJACENT SHOULDER BEFORE DOING THE SAME ON THE OTHER LANE AND SHOULDER.

GENERAL NOTES:

THIS PROJECT IS LOCATED ON FAI ROUTE 57 (I-57) IN EFFINGHAM COUNTY FROM THE NORTH TRI-LEVEL TO THE SHELBY COUNTY LINE NORTH OF EFFINGHAM. THE WORK INCLUDED IN SECTION 25-8RS-1 CONSISTS OF HOT-MIX ASPHALT SURFACE REMOVAL, HOT-MIX ASPHALT RESURFACING, HOT-MIX ASPHALT SHOULDERS, PAVEMENT MARKING, TRAFFIC SURVEILLANCE EQUIPMENT REMOVAL AND REPLACEMENT, AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

30 DAYS PRIOR TO CLOSING THE REST AREAS THE CONTRACTOR SHALL INFORM THE DISTRICT REST AREA TECHNICIAN, PHIL NOSBISCH (217-342-8276).

WHEN APPLYING SHORT-TERM PAVEMENT MARKINGS, TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACES.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN THE CALCULATION OF PLAN QUANTITIES:

BITUMINOUS MATERIALS (TACK COAT) 0.05 LBS/SQ FT

HOT-MIX ASPHALT (OTHER THAN STONE MATRIX ASPHALT)

112 LBS/SQ YD/INCH

HOT-MIX ASPHALT (STONE MATRIX ASPHALT)

SCALE:

130 LBS/SQ YD/INCH

THE LONGITUDINAL JOINT SEALANT SHALL BE APPLIED AT THE CENTERLINE OF THE MAINLINE MILLED SURFACE ONLY.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

	AC/PG	DESIGN AIR	MIXTURE	FRICTION	QUALITY
PPLICATION		VOIDS	COMPOSITION	AGGREGATE	MANAGEMENT
POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 12,5, MIX "E", N80 (MAINLINE)	PG 76-22	4.0% @ N=80	IL - 12.5	MIXTURE E	PFP
HMA SURFACE COURSE, IL-9.5, MIX "C", N70 SHOULDERS & CROSSOVERS)	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/QA

REV. - MS

USER NAME = steffenmk	DESIGNED	REVISED =
	DRAWN	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED	REVISED -
PLOT DATE = 3/18/2021	DATE	REVISED +

90% FED 10% STATE

	CUMMARY OF QUANTITIES			CONSTRUC	TION TYPE CODE		CLUMANDY OF	OLLANITITIEC		1070 STATE	CONS	STRUCTION TYPE CODE
	SUMMARY OF QUANTITIES		TOTAL	0005			SUMMARY OF	QUANTITIES		TOTAL	0005	
CODE NO	ITEM	UNIT	QUANTITIES			CODE NO	ITEM		UNIT	QUANTITIES		
10600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	85513	85513		70300100	SHORT TERM PAVEMENT MAR	KING	FOOT	11087	11087	
40600990	TEMPORARY RAMP	SQ YD	237	237		70300150	SHORT TERM PAVEMENT MAR	KING REMOVAL	SQ FT	3659	3659	
10604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX	TON	6711	6711		70300240	TEMPORARY PAVEMENT MARK	ING - LINE 6"	FOOT	83929	83929	
	"C", N70					70300250	TEMPORARY PAVEMENT MARK	ING - LINE 8"	FOOT	687	687	
10605034	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE.	TON	16868	16868								
	STONE MATRIX ASPHALT, 12.5, MIX "E", N80				k	72700100	STRUCTURAL STEEL SIGN S	UPPORT - BREAKAWAY	POUND	520	520	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	40	40	k	73400100	CONCRETE FOUNDATIONS		CU YD	1.4	1.4	
12400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	283.5	283.5	*	78000400	THERMOPLASTIC PAVEMENT	MARKING - LINE 6"	FOOT	83929	83929	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	190028	190028	*	78000500	THERMOPLASTIC PAVEMENT	MARKING - LINE 8"	FOOT	687	687	
54200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	83947	83947	*	78004230	PREFORMED PLASTIC PAVEM	ENT MARKING, TYPE B -	FOOT	10813	10813	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3								
					*	78100100	RAISED REFLECTIVE PAVEM	ENT MARKER	EACH	1082	1082	
57100100	MOBILIZATION	L SUM	1	1								
						78300200	RAISED REFLECTIVE PAVEM	ENT MARKER REMOVAL	EACH	1082	1082	
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1								
	701401					X0323388	TRAFFIC COUNTER		EACH	1	1	
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1	*	X7830074	GROOVING FOR RECESSED P	AVEMENT MARKING 7"	FOOT	83929	83929	
	701451											
					*	X7830076	GROOVING FOR RECESSED P	AVEMENT MARKING 9"	FOOT	687	687	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28								

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

		SUMMAI	F.A.I. RTE.	SEC.	TION	COUNTY	TOTAL SHEETS	SHEET NO.			
							25-8	RS-1	EFFINGHAM	17	3
									CONTRACT	NO. 7	4A20
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			ILLINOIS FED.	AID PROJECT		

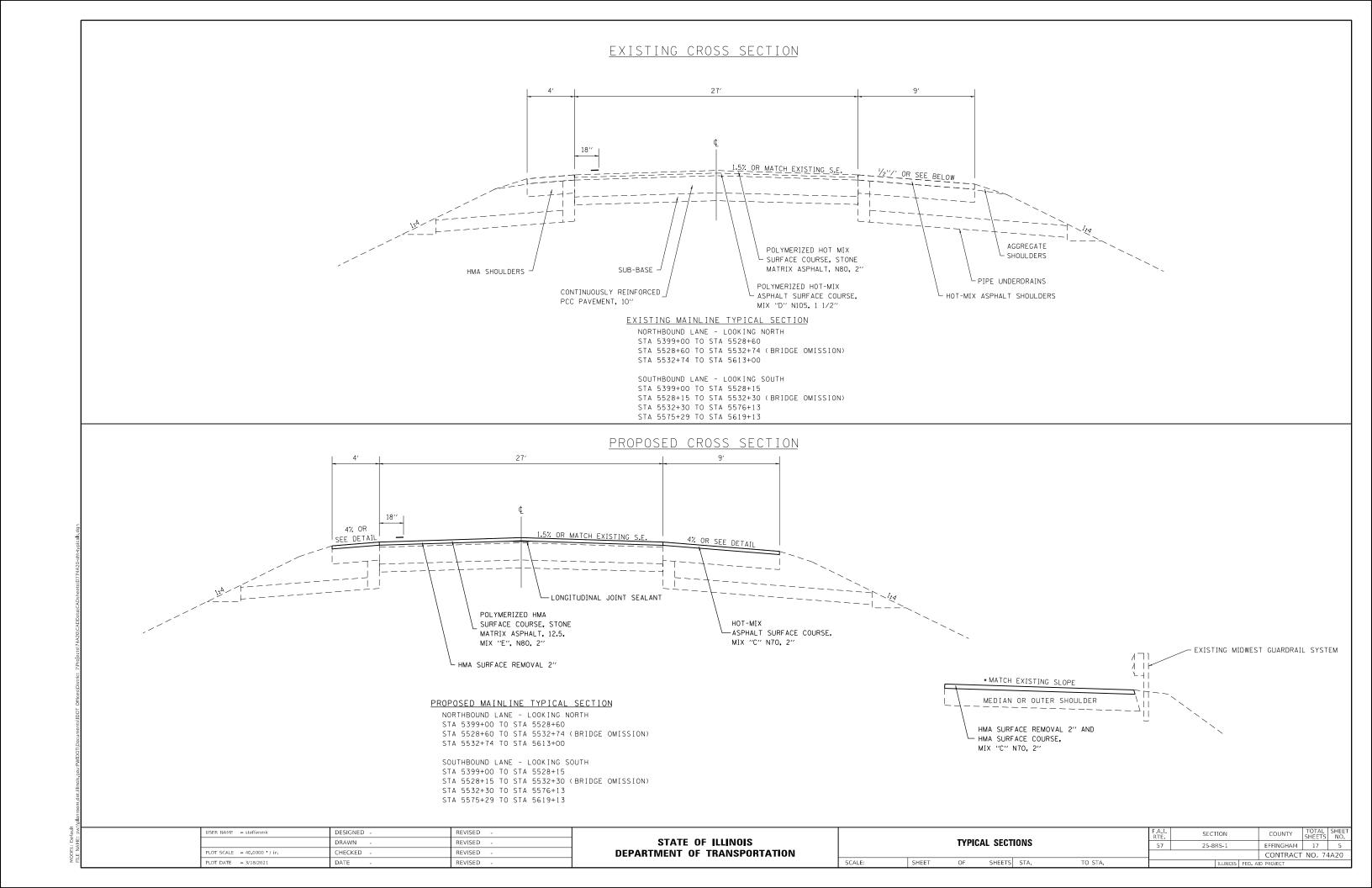
90% FED 10% STATE

	SUMMARY OF QUANTITIES	•			ISTRUCTION TYPE CODE		CIINANAADV	\cap E	QUANTITIES			CON	ISTRUCTION TYP	E CODE
			TOTAL	0005					QUANTITIES	T	TOTAL			
ODE NO	ITEM	UNIT	OUANTITIES			CODE NO		ITEM		UNIT	QUANTITIES			
3950425	REMOVE EXISTING TRAFFIC SURVEILLANCE	L SUM	1	1										
	EQUIPMENT													
	200111112111													
0033700	LONGITUDINAL JOINT SEALANT	FOOT	43250	43250										
0034105	MATERIAL TRANSFER DEVICE	TON	16868	16868										
										1				
										1				
										1				
														-
										+				+-

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

STATE O	F ILLINOIS
DEPARTMENT OF	TRANSPORTATION

	F.A.I. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.					
							7 25-8RS-1		EFFINGHAM	17	4
									CONTRACT	NO. 7	4A20
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINO	IS FED. AI	ID PROJECT		



alt.	
MODEL: Defaul	District District

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 3/18/2021	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

		SCHEDULES	OF (DUANTITIES
SCALE:	SHEET	OF S	SHEETS	STA.

TO STA.

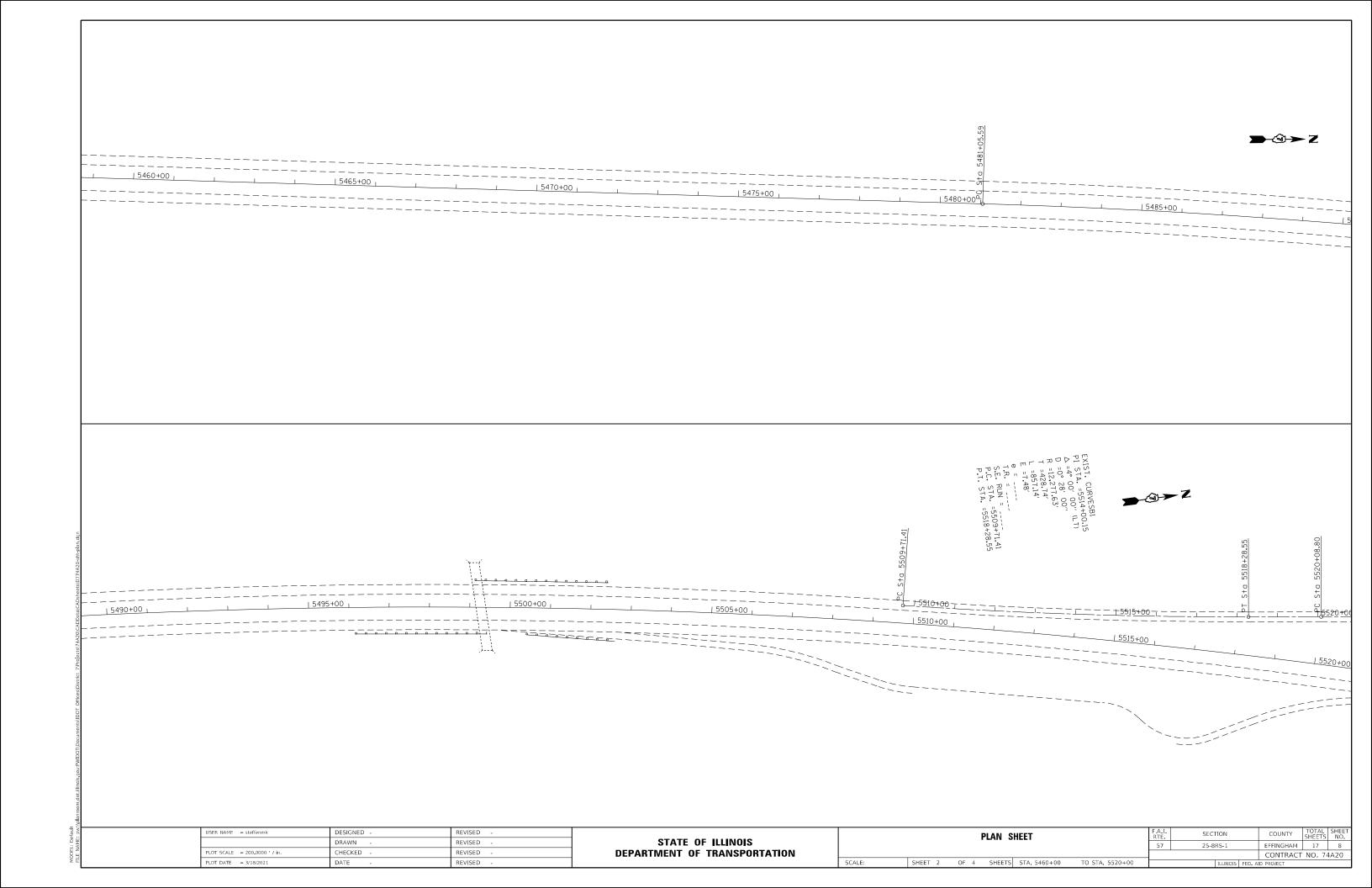
F.A.I. RTE	SECT	LION		COUNTY	TOTAL SHEETS	SHEET NO.		
57	25-8	RS-1		EFFINGHAM	17	6		
				CONTRACT	NO. 74	1A20		
		ILLINOIS	FED. A	AID PROJECT				

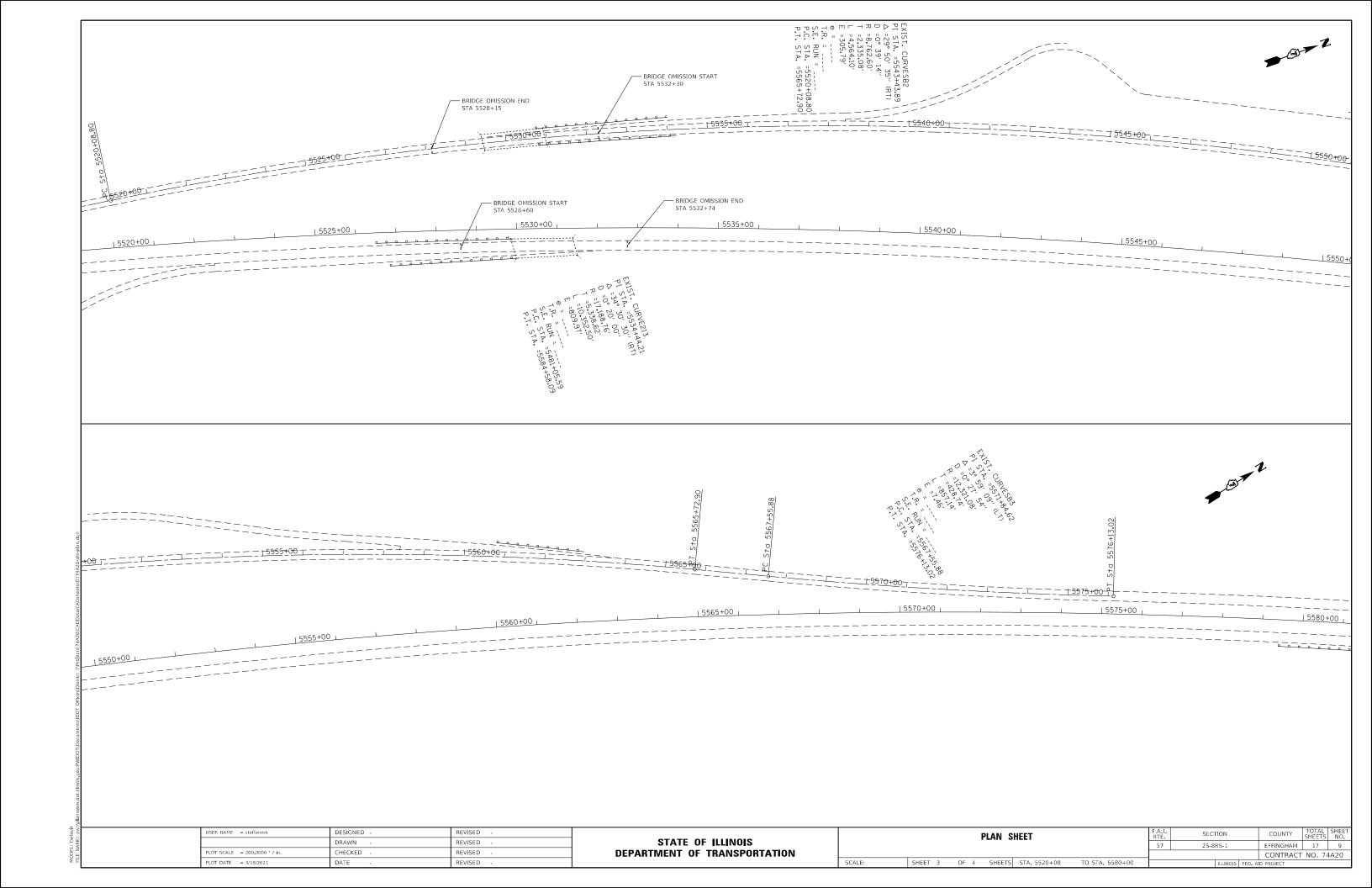
28 101			22097		8545.			725.9					21682.0	543.0
JOB TO	TAL		44079	- 0.0	17102	55.0 190	028.0 85	513.0	40.0 16	868.0	711.0	83947.0	43250.0	1082.0 1
					PAVE	MENT MAR	RKING SCH	HEDULE						
														T
				SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	TEINPCRARY PAVEMENT MARKING – LINE 6" (WHITE)	TEINPORARY PAVEMENT MARKING – LINE 6" (YELLOW)	TEMPORARY PAVEMENT MARKING – LINE 8" (WHITE)	THERMOPLASTIC PAVEMENT MARKING -LINE 6" (WHITE)	THERMOPLASTIC PAVEMENT MARKING -LINE 6" (YELLOW)	THERMOPLASTIC PAVEMENT MARKING -LINE 8" (WHITE)	PREFORMED PLASTIC PAVEMENT MARKING, Inlaid, TYPF B. 6" (SKIPS)	GROOVING FOR RECESSED PAVEMENT MARKING 7"	GROOVING FOR RECESSED PAVEMENT MARKING 9"
STATION	TO	STATION	LENGTH	SH MA	SH MA	TE	TE MA	TE. MA	T H MA	TH MA	TH	PR PA TY	GR	GR
NC	RTH BOU	IND	F00T	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
5399+00.00		5500+55.00	10155.0	2640.3	871.3	10155.0	10155.0	-	10155.0	10155.0	-	2538.8	20310.0) -
5500+55.00		5502+76.00	221.0	39.8	13.1	-	221.0	-	-	221.0	-	55.3	221.0	-
5502+76.00		5506+06.00	330.0	85.8	28.3	-	330.0	330.0	-	330.0	330.0	82.5	330.0	330.0
5506+06.00		5522+06.00	1600.0	416.0	137.3	1600.0	1600.0	-	1600.0	1600.0	_	400.0	3200.0	-
5522+06.00		5528+60.00	654.0	117.7	38.8	-	654.0	_	-	654.0	_	163.5	654.0	
5528+60.00		5532+74.00	414.0		k		4	Bri	dge Omis:	sion				
5532+74.00		5618+82.00	8608.0	2238.1	738.6	8608.0	8608.0	-	8608.0	8608.0	-	2152.0	17216.0) -
					5						7	*	*	
50	OUTH BOU	IND	F00T	F00T	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
5399+00.00		5528+15.00	12915.0	3357.9	1108.1	12915.0	12915.0	-	12915.0	12915.0	-	3228.8	25830.0) -
5528+15.00		5532+30.00	415.0		•			Bri	dge Omis:	sion		'	•	
5532+30.00		5539+78.00	748.0	134.6	44.4	20	748.0	_	_	748.0	=	187.0	748.0	=
5539+78.00		5557+38.00	1760.0	457.6	151.0	1760.0	1760.0	-	1760.0	1760.0	-	440.0	3520.0	
5557+38.00		5560+95.00	357.0	64.3	21.2	-	357.0	357.0	120	35/.0	35/.0	89.3	35/.0	35/.0
5560+95.00		5563+56.00	261.0	67.9	22.4	=	261.0	<u>—</u>	_	261.0		65.3	261.0	-:
5563+56.00		5576+13.00	1257.0	326.8	107.9	1257.0	1257.0	_	1257.0	1257.0	-	314.3	2514.0	-
5576+13.00		5575+29.00						Station	Equation					
5575+29.00		5619+13.00	4384.0	1139.8	376.1	4384.0	4384.0	-	4384.0	4384.0	-	1096.0	8768.0	-
MODE	I BOUND	TOTAL	04000 -		4007	00000	04550	222 -	00005 -	04=05				
	H BOUND		21982.0	5537.7	1827.4	20363.0	21568.0	330.0	20363.0	21568.0			41931.0	
50011	H BOUND	TUTAL	22097.0	5548.9	1831.1	20316.0	21682.0	357.0	20316.0	21682.0				
	TOTAL		44079.0	11087.0	3659.0	40679.0	43250.0	687.0	40679.0	43250.0	687.0	10813.	0 83929.0	687.0

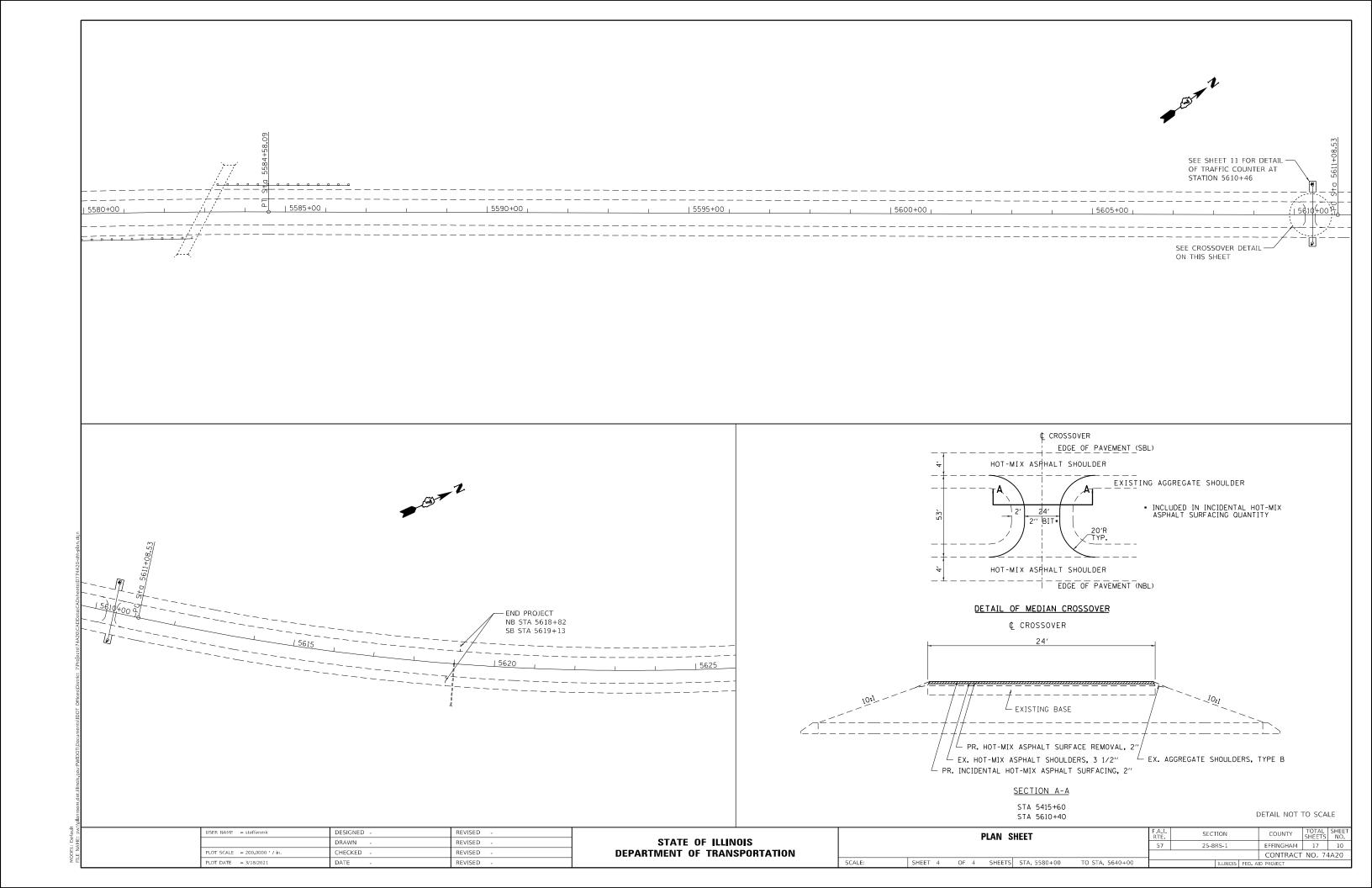
NB 055 Pamp 5500+55 00 5506+36 00 591 0 31 0 1901 0 2001 22 000 6 20 236 6 28 9 581 0	- 0.95C DAVEMENT MARKER DAVEMENT MARKER DAVE DAVEMENT MARKER DAVE DAVEMENT MARKER DAVEMENT MAMP
LANE STATION TO STATION LENGTH WIDTH AREA LANGUAGE AND AREA LANGUA	EACH SQ YD 29.6 324.0 -
NB 5399+00.00 5500+55.00 10155.0 40.0 406200.0 45133.3 20310.0 - 3960.5 1642.9 20310.0 NB OFF Ramp 5500+55.00 5506+36.00 581.0 31.0 18011.0 2001.22 900.6 - 226.6 28.9 581.0 NB 5506+36.00 5523+06.00 1670.0 40.0 66800.0 7422.22 3340.0 - 651.3 270.2 3340.0 12960.0 324.0	324.0
NB OFF Ramp 5500+55.00 5506+36.00 581.0 31.0 18011.0 2001.22 900.6 - 226.6 28.9 581.0 NB 5506+36.00 5523+06.00 1670.0 40.0 66800.0 7422.22 3340.0 - 651.3 270.2 3340.0 12960.0 324.0	324.0
NB 5506+36.00 5523+06.00 1670.0 40.0 66800.0 7422.22 3340.0 - 651.3 270.2 3340.0 ^{12960,0} 324.0	324.0
NB 5506+36.00 5523+06.00 1670.0 40.0 66800.0 7422.22 3340.0 - 651.3 270.2 3340.0	-
NR ON PAMP 5523+06 00 5528+60 00 554.0 31.0 17174.0 1908.22 858.7 216.1 27.6 554.0	
ND ON NAME 3323 TOU.UU 3320 TOU.UU 334.U 31.U 1/1/4.U 1300.ZZ 030.7 - Z10.1 Z7.0 334.U	
Bridge Omission 5528+60.00 5532+74.00 414.0 - - - - - - - - -	- 59.3
NB 5532+74.00 5618+82.00 8608.0 40.0 344320.0 38257.8 17216.0 - 3357.1 1392.6 17216.0 8608.0 215.0 225.0	215.0 29.6
	323.0 29.6
Bridge Omission 5528+15.00 5532+30.00 415.0 - - - - - - - - -	- 59.3
SB ON RAMP 5532+30.00 5539+78.00 748.0 31.0 23188.0 2576.4 1159.4 - 291.7 37.2 748.0	
SB 5539+78.00 5556+86.00 1708.0 40.0 68320.0 7591.1 3416.0 - 666.1 276.3 3416.0 4383.0 110.0 1	110.0
SB OFF RAMP 5556+86.00 5563+56.00 670.0 31.0 20770.0 2307.8 1038.5 - 261.3 33.4 670.0 4305.0 110.0 110.0 110.0	-
SB 5563+56.00 5576+13.00 1257.0 40.0 50280.0 5586.7 2514.0 - 490.2 203.4 2514.0	-
Station EQ 5576+13.00 5575+29.00	
SB 5575 29.00 5619 + 13.00 4384.0 40.0 175360.0 19484.4 8768.0 - 1709.8 709.2 8768.0 4384.0 110.0 1	110.0 29.6
Crossover at Station 5415+60 1616.0 179.6 80.8 20.1	-
Crossover at Station 5610+40 - 1616.0 179.6 80.8 20.1	
NB Total 21982.0 - 852505.0 94722.8 42625.3 0.0 8411.6 3362.2 42001.0 21568.0 539.0 5	539.0 118.5
SB Total 22097.0 - 854518.0 94946.4 42725.9 0.0 8456.0 3348.9 41946.0 21682.0 543.0	543.0 118.5
	1082.0 237.0

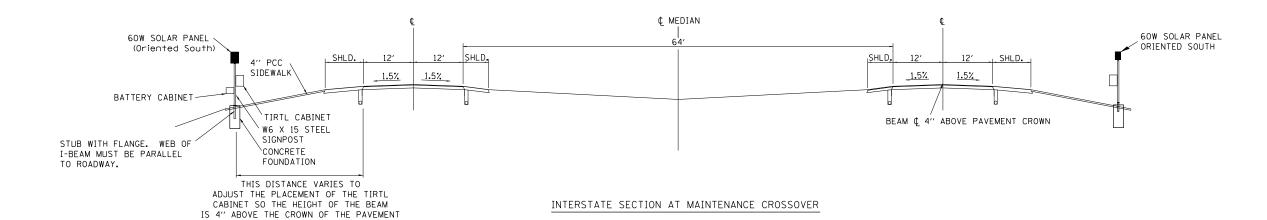
⋑⊸**©**→ Z — BEGIN PROJECT NB STA 5399+00 SB STA 5399+00 SEE CROSSOVER DETAIL — ON SHEET 10 **→**③→Z COUNTY TOTAL SHEET NO.

EFFINGHAM 17 7 USER NAME = steffenmk DESIGNED -REVISED SECTION PLAN SHEET STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION DRAWN REVISED 25-8RS-1 REVISED PLOT SCALE = 200.0000 / in. CHECKED CONTRACT NO. 74A20 PLOT DATE = 3/18/2021 DATE SHEET 1 OF 4 SHEETS STA. 5400+00 TO STA. 5460+00









APPROX. 4' ABOVE THE GROUND.

STA. 5610+46

Weed Barrier - PCC concrete shal be placed as shown 8' to 10' wide and 4'' thick running from 2' behind post to post.

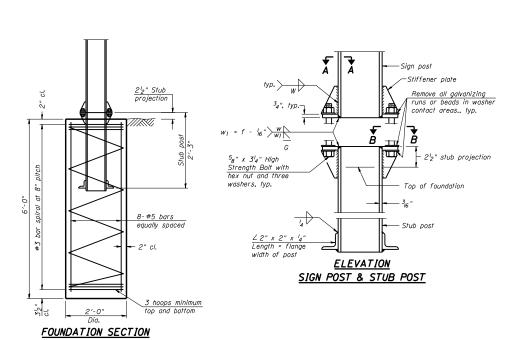
NOTES.

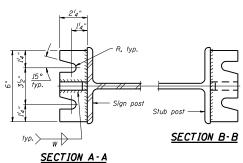
AND THE HEIGHT OF THE CABINET IS

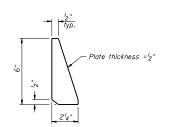
- SYSTEM CONSISTS OF TWO W6 X 15 I-BEAM SIGNPOSTS WITH CONCRETE FOUNDATION AND A FLANGE WITH BREAKAWAY BOLTS
- 2. THE I-BEAMS ARE 12' LONG AND DRILLED AS PER THE I-BEAM DETAIL TO ACCOMODATE A PIPE TO ALLOW THE MOUNTING OF THE SOLAR PANEL
- 3. THE WEB OF THE I-BEAM IS TO BE PLACED PARALLEL TO THE LANES.
- 4. THE TWO POSTS MUST BE PLACED DIRECTLY ACROSS FROM EACH OTHER AND PERPENDICULAR TO THE LANES.
- 5. TWO POSTS ARE REQUIRED LOCATED AS PER THE ENGINEER AND DRAWING.
- 6. THE CABINETS ARE ATTACHED TO THE I-BEAM USING 8" GALVANIZED
- 7. THE BOTTOM OF THE CABINET HEIGHT MUST BE NO LOWER THAN 4' ABOVE THE GROUND AND BE ABLE TO VIEW ACROSS ALL LANES AT THE CROWN OF THE PAVEMENT.
- 8. THE IDOT OFFICE OF PLANNING AND PROGRAMMING DATA MANAGE-MENT LAB (RAMON TAYLOR OF RICH MARX 217-782-2065) SHALL BE NOTIFIED TWO WEEKS PRIOR TO THE LAYOUT AND SHALL BE PRESENT DURING THE PLACEMENT OF THE POST FOUNDATIONS.

TIRTL TRAFFIC COUNTER SCHEDULE OF QUANTITIES (FOR INFORMATION ONLY)

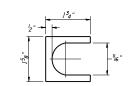
CODE NUMBER	ITEM	UNIT	QUANTITY
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	283.5
72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	520
73400100	CONCRETE FOUNDATIONS	CU YD	1.4
X0323388	TRAFFIC COUNTER (INCLUDES ITEMS BELOW)	EACH	1
	TIRTL TRAFFIC DATA COLLECTION SYSTEM INCLUDES:		
	Sierra Wireless GX-450 Mobile 4G XLTE Gateway EVDO-Verizon	EACH	1
	Panorama Low Profile LTE MiMo LGAM-BC3G-26-3SP Antenna	EACH	1
	TIRTL CABINET 15" X 27" X 16"	EACH	2
	BATTERY CABINET 16.5" X 16" X 11.5" BBA1M w/ #2 Police Lock	EACH	1
	SOLAR PANEL 60 W 12 VDC with Bracket	EACH	2
	TIRTL TRAFFIC COUNTER	EACH	1
	SUNSAVER SOLAR CHARGE REGULATOR 10 AMP 12 VDC	EACH	2
	BATTERY - 33 AH ABSORBED ELECTROLYTE 8" X 5.5" X 7" (DEEP CYCLE	EACH	1
	BATTERY -104AH ABSORBED ELECTROLYTE 10" X 6" X 8" (DEEP CYCLE)	EACH	1







STIFFENER PLATE DETAIL



SHIM DETAIL

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

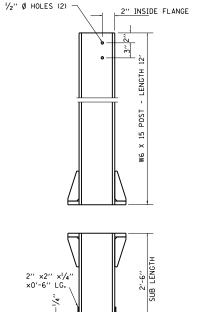
GENERAL NOTES

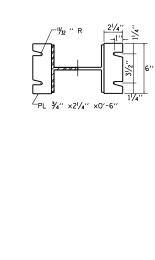
Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign. DESIGN STRESSES:

Structural steel - 20,000 p.s.i. Reinforcing steel - 20,000 p.s.i. Concrete - 1,400 p.s.i. Footing soil pressure - 2,000 p.s.f.

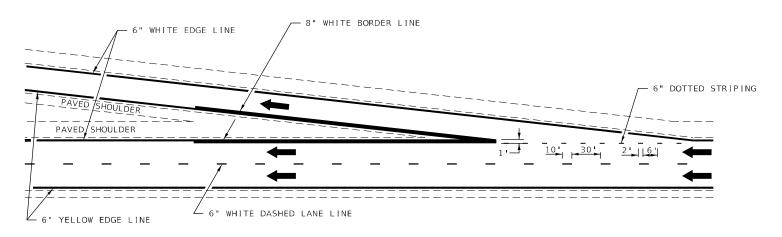
After fabrication, the post and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.



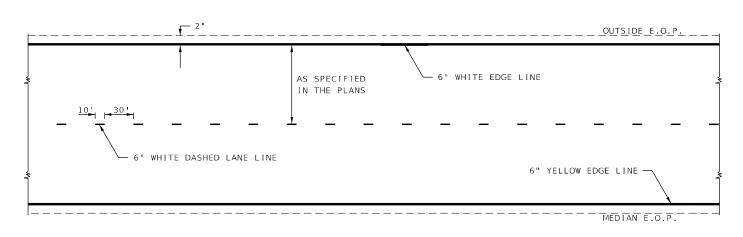


BREAK-AWAY WIDE FLANGE STEEL POST DETAILS

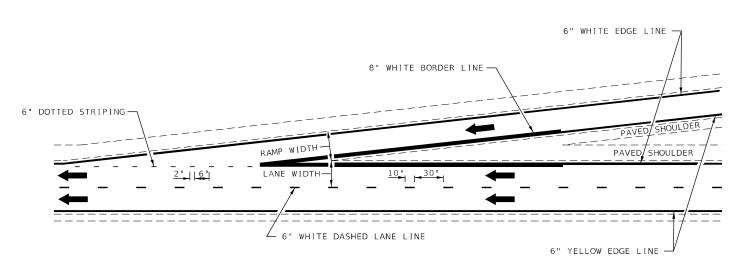
FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -								F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 7\Projects\74420 @RAWN\CADsheets\D774420-sht-details.dg REVISED -			STATE OF ILLINOIS		DETAIL FOR TRAFFIC COUNTER			57	25-8RS-1	EFFINGHAM	17	11			
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION									CONTRAC	T NO. 7	4A20
Default	PLOT DATE = 3/18/2021	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILL INOIS FED	AID PROJECT		



TYPICAL EXIT RAMP MARKING



TYPICAL CENTERLINE & EDGELINE MARKINGS



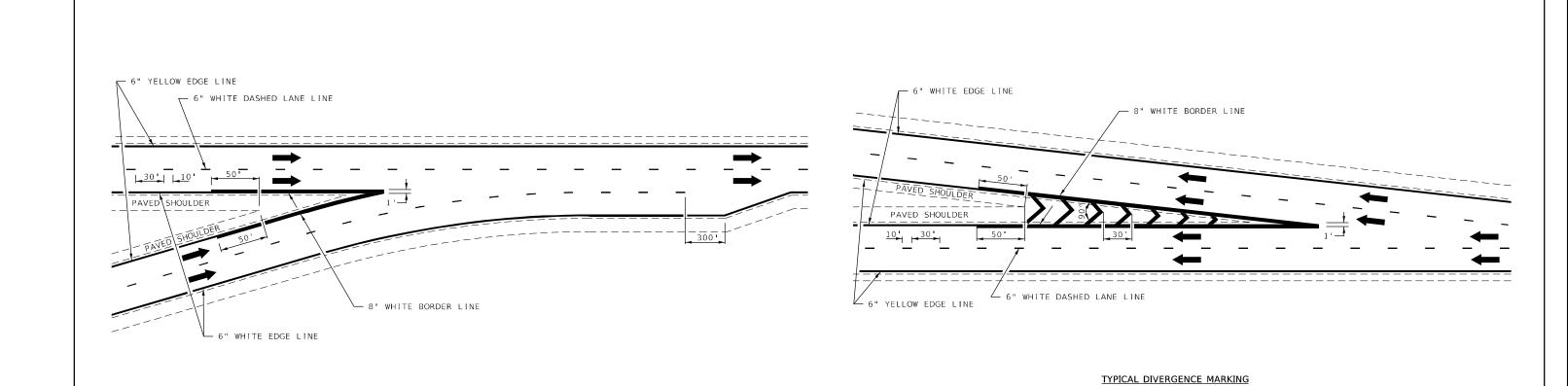
TYPICAL ENTRANCE RAMP MARKING

NOT TO SCALE

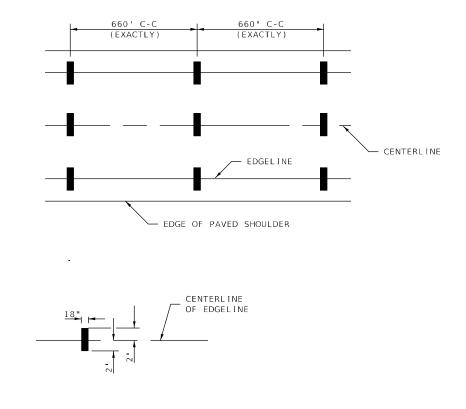
	DI	STRICT 7 DETAI	L NO. 78	0000	02
EWAY/EXPRESSWAY	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
KING	57	25-8RS-1	EFFINGHAM	17	12
			CONTRACT	NO. 74	1A20
			CONTRACT	NO. 74	1A20

USER NAME = steffenmk	DESIGNED -	REVISED	-	MKS 04-08
	DRAWN -	REVISED	-	DRM 01-09
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED	-	DRM 12-10
PLOT DATE = 3/18/2021	DATE -	REVISED -	_	MAD 01-20

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** TYPICAL APPLICATIONS OF FREEV **PAVEMENT MARK** SHEET 1 OF 2 SHEETS STA.



AERIAL SPEED CHECK ZONES



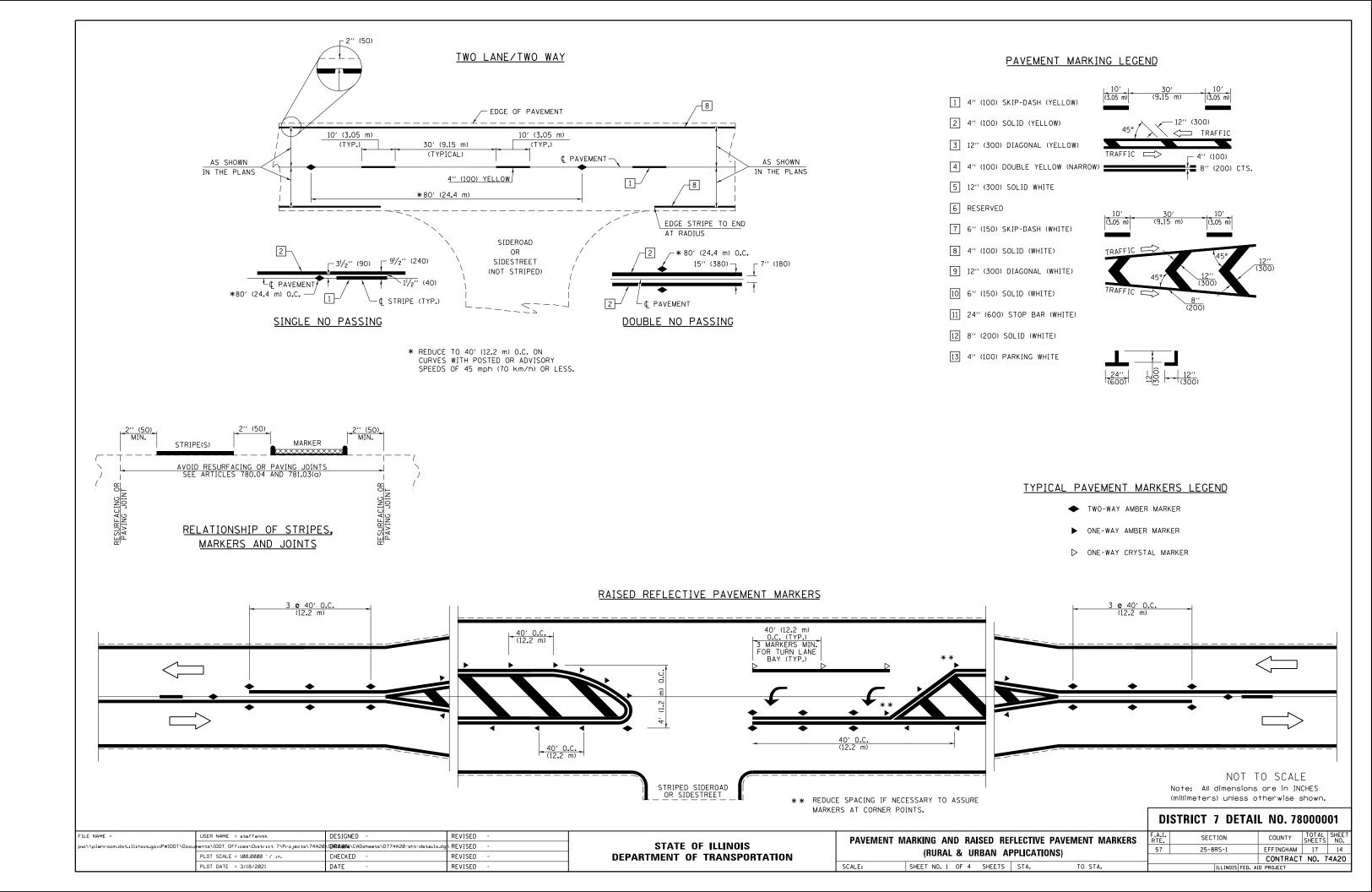
NOT TO SCALE

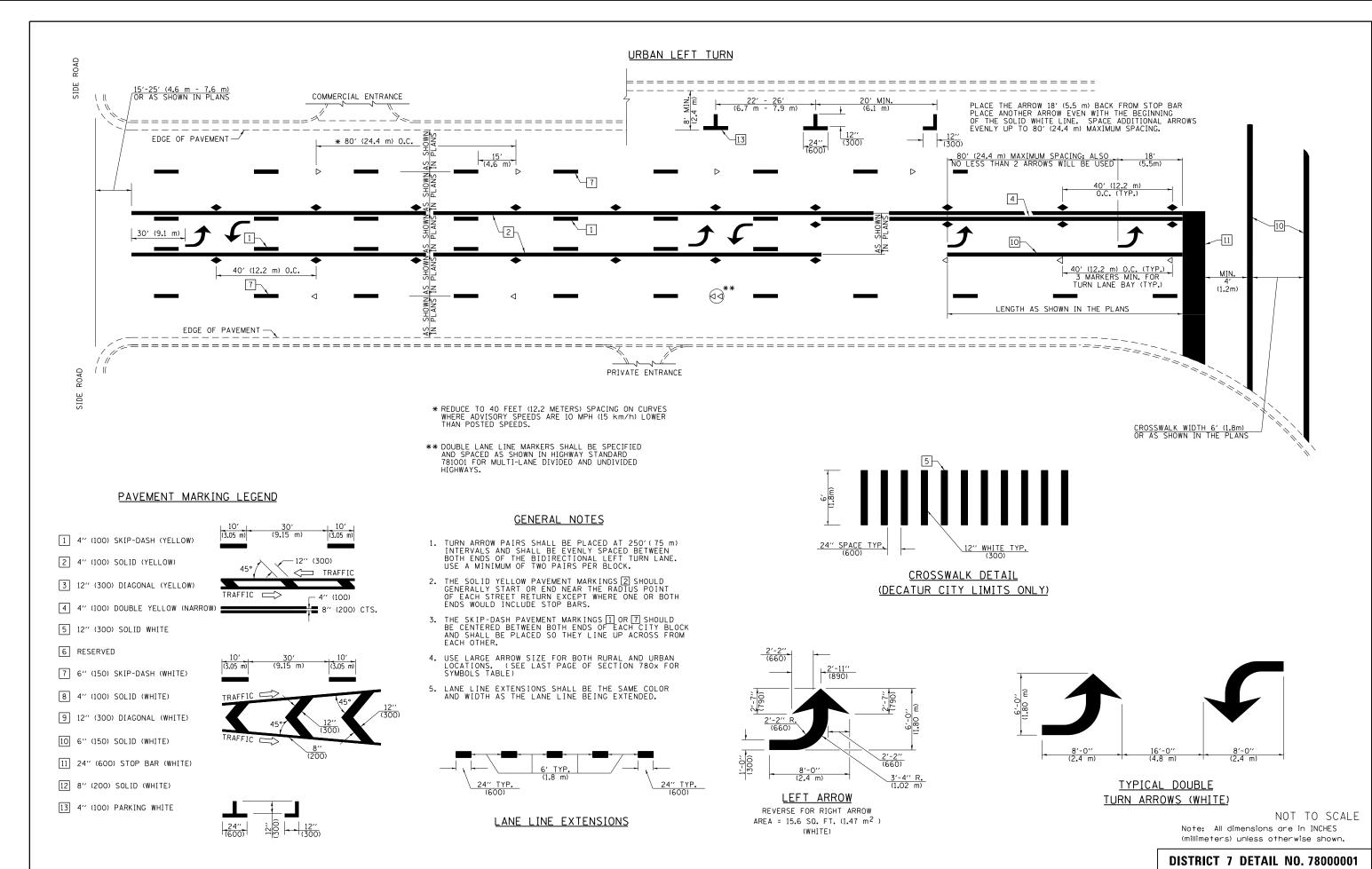
DI	STRICT 7 DETAI	L NO. 78	0000	02
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
57	25-8RS-1	EFFINGHAM	17	13
		CONTRACT	NO. 74	1A20
	ILLINOIS FED. A	ID PROJECT		

USER NAME = steffenmk	DESIGNED -	REVISED	-	MMO 12-99
	DRAWN -	REVISED	-	DRM 08-04
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED	-	MKS 04-08
PLOT DATE = 3/18/2021	DATE -	REVISED	-	DRM 01-09

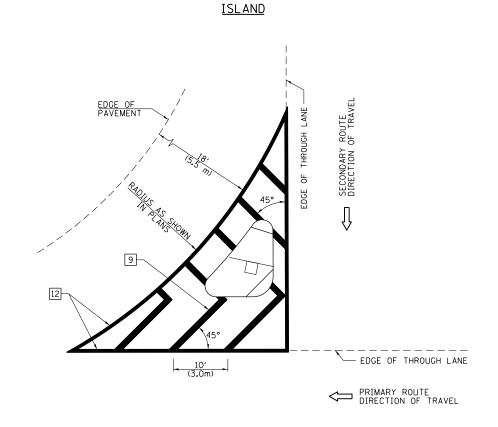
TYPICAL CONVERGENCE MARKING

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** TYPICAL APPLICATIONS OF FREEWAY/EXPRESSWAY PAVEMENT MARKING SHEET 2 OF 2 SHEETS STA. TO STA.





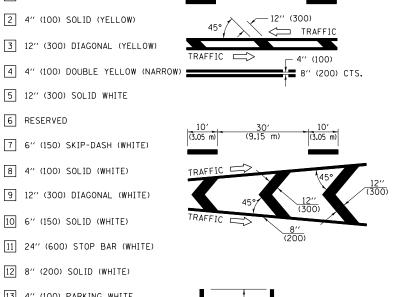
FILE NAME = DESIGNED REVISED USER NAME = steffenmk COUNTY PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS STATE OF ILLINOIS nts\IDOT Offices\District 7\Projects\74A20**G@B&WW**\CADsheets\D774A20-sht-details. REVISED EFFINGHAM 17 15 25-8RS-1 (RURAL & URBAN APPLICATIONS) CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 74A20 SCALE: SHEET NO. 2 OF 4 SHEETS STA. PLOT DATE = 3/18/2021 DATE REVISED

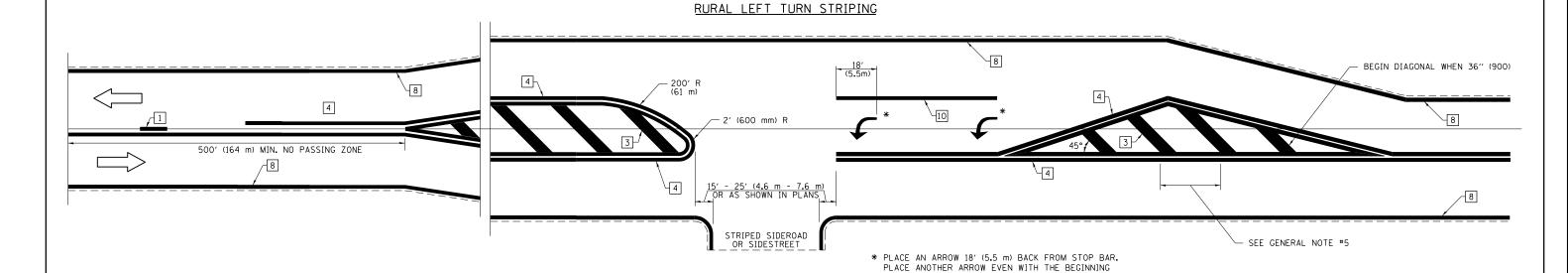


PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)

- 13 4" (100) PARKING WHITE





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)

NOT TO SCALE

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

DI	STRICT	7	DETAI	L NO. 7	8	0000	01
F.A.I. RTE.	SE	CTIC	N	COUNTY		TOTAL SHEETS	SHEE.

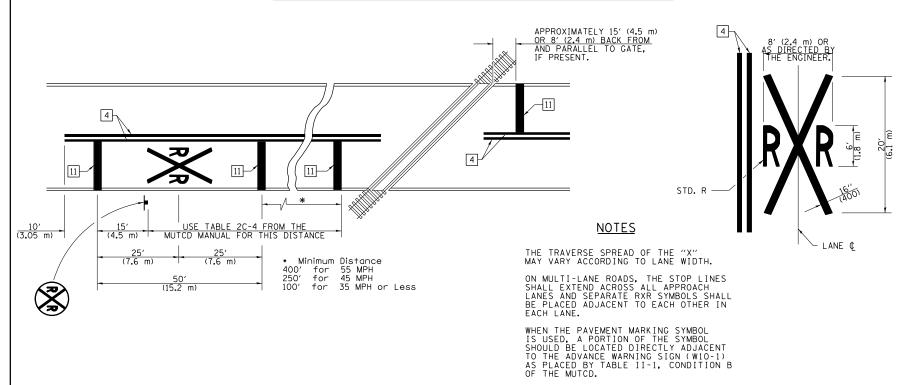
FILE NAME = DESIGNED REVISED USER NAME = steffenmk ents\IDOT Offices\District 7\Projects\74A20\@@@&\\CADsheets\D774A20-sht-details.c REVISED CHECKED REVISED PLOT DATE = 3/18/2021 DATE REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS) SHEET NO. 3 OF 4 SHEETS STA. TO STA.

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

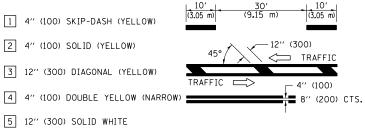
25-8RS-1 EFFINGHAM 17 16 CONTRACT NO. 74A2O

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

PAVEMENT MARKING LEGEND



5 12" (300) SOLID WHITE

6 RESERVED

7 6" (150) SKIP-DASH (WHITE)

8 4" (100) SOLID (WHITE)

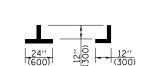
9 12" (300) DIAGONAL (WHITE)

10 6" (150) SOLID (WHITE)

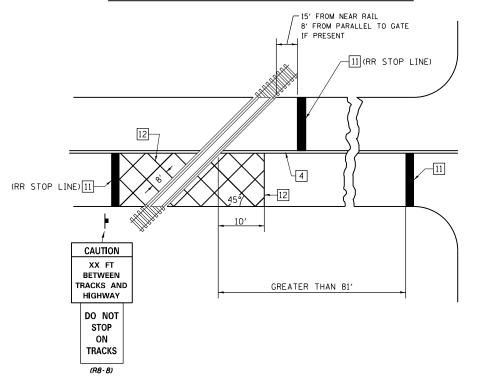
11 24" (600) STOP BAR (WHITE)

12 8" (200) SOLID (WHITE)

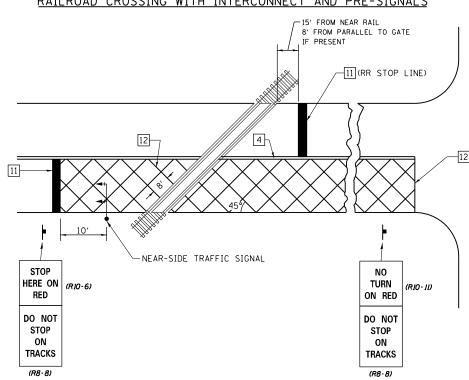
13 4" (100) PARKING WHITE



RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



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.

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 78000001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -		PAVEMENT N	ARKING AND RAISED REE	LECTIVE PAVEMENT MARKERS	F.A.I.	SECTION	COUNTY	TOTAL	SHEET
pw://planroom.dot.illinois.gov:PWIDOT/Docu	planroom.dot.illnois.gov:PWIDOT\Docu <mark>ments\IDOT</mark> Offices\District 7\Projects\74A20 (DRAWN \CADsheets\D774A20-sht-details.dg REVISED		EVISED - STATE OF ILLINOIS	STATE OF ILLINOIS				57	25-8RS-1	EFFINGHAM	17	17
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	(RURAL & URBAN APPLICATIONS)				CONTRACT	T NO. 7	4A20	
1	PLOT DATE = 3/18/2021	DATE -	REVISED -		SCALE:	SHEET NO. 4 OF 4 SHEETS	STA. TO STA.		TILL INDIS FED	AID PROJECT		