06-12-2020 LETTING ITEM 221

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3 (58-20-1)RS-1	MACON	84	1
	ILLINOIS	CONTRACT NO. 74779		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STA EQN: STA. 467+30.96 (BK) = 1480+00 (AH)

ADT = 9,300 (US 51)
11% TRUCKS

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 322A (US 51)
SECTION (46,47)RS-3, (58-20-1)RS-1
PROJECT NHPP-4AQ0(441)
RESURFACING
MACON COUNTY

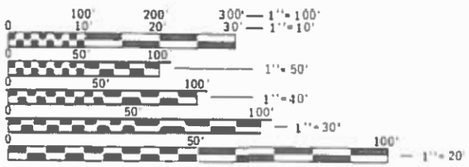
C-97-003-17

END PROJECT
STA. 1716+44

BEGIN PROJECT
STA. 212+84

D-97-002-17

LOCATION OF SECTION INDICATED THUS: -



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 29 20 20
Jeffry P Myrka
REGIONAL ENGINEER
March 20 20 20
ENGINEER OF DESIGN AND ENVIRONMENT
March 20 20 20
13
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT ENGINEER: TOM RONAN
PROJECT MANAGER: EDWIN TIPSWORD
PHONE: (217) 342-8314

CONTRACT NO. 74779

GROSS LENGTH = 49,091 FT. = 9.30 MILE
NET LENGTH = 46,991 FT. = 8.90 MILE

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV. - MS

INDEX OF SHEETS

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

STD. NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
406001-06	ENTRANCE RAMP TERMINAL
406101-05	EXIT RAMP TERMINAL
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE I (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
642001-02	SHOULDER RUMBLE STRIPS 16"
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD MOVING OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701321-18	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701400-09	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
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701456-05	PARTIAL EXIT RAMP CLOSURE, FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
B.L.R. 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

GENERAL NOTES

THE MATERIAL USED FOR AGGREGATE WEDGE SHOULDERS, TYPE B SHALL BE CRUSHED STONE, CRUSHED CONCRETE OR RAP.

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 MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

APPLICATION	AC/PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	QUALITY MANAGEMENT
POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "E", N80 (2")	SBS 76-22	4.0% @ N=80	IL - 12.5	MIXTURE E	PFP
POLYMERIZED HOT MIX ASPHALT BINDER COURSE, IL-9.5FG, N90 (1 3/4")	SBS 70-22	4.0% @ N=90	IL - 9.5FG	N/A	PFP
HMA PATCHING, CLASS "D"	PG 64-22	4.0% @ N=90	IL 19.0	N/A	QC/QA
INCIDENTAL HOT-MIX ASPHALT SURFACING	PG 64-22	4.0% @ N=70	IL - 9.5	C	QC/QA
HMA SHOULDERS, (TOP LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5	C	QC/QA
HMA SHOULDERS, (BOTTOM LIFTS)	PG 64-22	4.0% @ N=70	IL 19.0	N/A	QC/QA
PARTIAL DEPTH PAVEMENT PATCHING	PG 64-22	4.0% @ N=90	IL 19.0	N/A	QC/QA

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

AGGREGATE SHOULDERS	2.05	TONS/CU YD
STONE MATRIX HOT-MIX ASPHALT	130	LBS/SQ YD/INCH
HOT-MIX ASPHALT (OTHER THAN SMA)	112	LBS/SQ YD/INCH

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58,20,1)RS-1	MACON	84	2
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

80% FED 20% STATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	NHPP	STP				
				0005	0047 S.N. 058-0122	0047 S.N. 058-0123	0047 S.N. 058-0124		
35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING	SQ YD	321	321					
	10''								
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	28	28					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	310475	310475					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2205	2205					
40600990	TEMPORARY RAMP	SQ YD	714	714					
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	16911	16911					
40603219	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,	TON	27812	27812					
	IL-9.5FG, N90								
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX	TON	19279	19279					
	''C'', N70								
40605034	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,	TON	36893	36893					
	STONE MATRIX ASPHALT, 12.5, MIX ''E'', N80								
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	339	339					
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2''	SQ YD	486090	486090					
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3''	SQ YD	71	71					

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	3
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			

80% FED 20% STATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005	0047 S.N. 058-0122	0047 S.N. 058-0123	0047 S.N. 058-0124		
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	1414	1414					
44000182	HOT-MIX ASPHALT SURFACE REMOVAL, 8"	SQ YD	28619	28619					
44004250	PAVED SHOULDER REMOVAL	SQ YD	37837	37837					
44050217	LONGITUDINAL PARTIAL DEPTH REMOVAL 5"	FOOT	187180	187180					
44201835	CLASS D PATCHES, TYPE I, 16 INCH	SQ YD	9	9					
44201839	CLASS D PATCHES, TYPE II, 16 INCH	SQ YD	50	50					
44201843	CLASS D PATCHES, TYPE III, 16 INCH	SQ YD	252	252					
44201845	CLASS D PATCHES, TYPE IV, 16 INCH	SQ YD	547	547					
44209000	LONGITUDINAL PARTIAL DEPTH PATCHING	TON	11647	11647					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2079	2079					
48203022	HOT-MIX ASPHALT SHOULDERS, 6 1/4"	SQ YD	38961	38961					
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	28623	28623					
50102400	CONCRETE REMOVAL	CU YD	12.5		7.3		5.2		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	12.5		7.3		5.2		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	4
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			

80% FED 20% STATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005	0047 S.N. 058-0122	0047 S.N. 058-0123	0047 S.N. 058-0124		
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3080		1700		1380		
	50800515	BAR SPLICERS	EACH	16				16		
	50800530	MECHANICAL SPLICERS	EACH	20		20				
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	203		110		93		
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT	FOOT	412.5	412.5					
		POSTS								
*	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2					
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL)	EACH	2	2					
		TANGENT								
*	63400105	GUARD POSTS	EACH	60	60					
	64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	176625	176625					
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8					
	67000600	ENGINEER'S FIELD LABORATORY	CAL MO	8	8					
	67100100	MOBILIZATION	LSUM	1	1					
	70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD	EACH	1				1		
		701321								

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	5
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			

80% FED 20% STATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005	0047 S.N. 058-0122	0047 S.N. 058-0123	0047 S.N. 058-0124		
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD	EACH	4	4					
	701411								
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1					
	701406								
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD	LSUM	1	1					
	701401								
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD	LSUM	1	0.5	0.5				
	701451								
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1					
	701456								
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1				1		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	112	112					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	18862	18862					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	9757	9757					
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND	SQ FT	983	983					
	SYMBOLS								
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	201970	201970					

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	6
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

80% FED 20% STATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005	0047 S.N. 058-0122	0047 S.N. 058-0123	0047 S.N. 058-0124		
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	550				550		
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	437.5				437.5		
	70600250	IMPACT ATTENUATORS, TEMPORARY (NON-	EACH	2				2		
		REDIRECTIVE), TEST LEVEL 3								
	70600350	IMPACT ATTENUATORS, RELOCATE (NON-	EACH	2				2		
		REDIRECTIVE), TEST LEVEL 3								
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2					
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND	SQ FT	437	437					
		SYMBOLS								
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	194450	194450					
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3826	3826					
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	6782	6782					
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2000	2000					
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	160	160					
*	78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B -	FOOT	24840	24840					
		INLAID - LINE 6"								

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	7
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			

80% FED 20% STATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005	0047 S.N. 058-0122	0047 S.N. 058-0123	0047 S.N. 058-0124		
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2270	2270					
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	7	7					
	X0320586	FLEXIBLE DELINEATORS	EACH	16	16					
	X0326440	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)	SQ YD	4041	4041					
	X4060995	TEMPORARY RAMP, SPECIAL	SQ YD	229	229					
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	735	735					
	X4403300	CONCRETE MEDIAN REMOVAL	SQ FT	65	65					
	X6061300	CONCRETE MEDIAN, TYPE SB-6.06 (DOWELLED)	SQ FT	645	645					
	X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1			1			
*	X7830068	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS, NUMBERS AND SYMBOLS	SQ FT	437	437					
*	X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	194450	194450					
*	X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	3826	3826					
*	X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	6782	6782					

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	8
		CONTRACT NO. 74779		
		ILLINOIS FED. AID PROJECT		

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005	0047 S.N. 058-0122	0047 S.N. 058-0123	0047 S.N. 058-0124		
*	X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	2000	2000					
*	X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	160	160					
	Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	5		5				
	Z0016702	DETOUR SIGNING	L SUM	1	0.5	0.5				
	Z0021908	SILICONE JOINT SEALER, 2"	FOOT	78			78			
	Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	111201	111201					
	Z0034105	MATERIAL TRANSFER DEVICE	TON	65852	65852					
	Z0041895	POLYMER CONCRETE	CU FT	6			6			
Ø	Z0076600	TRAINEES	HOUR	1000	1000					
Ø	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000					

* SPECIALTY ITEM Ø 0042

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3 (58-20-1)RS-1	MACON	84	9
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			

① TYPICAL CROSS SECTIONS

	STATION 212+84.00 TO STATION 336+69.47	②
②	STATION 361+42.07 TO STATION 364+62.41	③
③	STATION 399+53.08 TO STATION 409+00.00	②
	STATION 428+50.00 TO STATION 438+47.06	
②	STATION 457+20.10 TO STATION 467+30.96BK	
	STATION 1480+00.00AH TO STATION 1608+13.95	②
②	STATION 1638+68.53 TO STATION 1648+07.76	③
③	STATION 1703+97.09 TO STATION 1710+47.92	③

•• HOT MIX ASPALT SURFACE REMOVAL 3 ¾″
NORTHBOUND: STA 275+12 TO STA 279+58
STA 281+08 TO STA 282+59
SOUTHBOUND: STA 280+84 TO STA 282+59

• MATCH EXISTING CROSS SLOPE

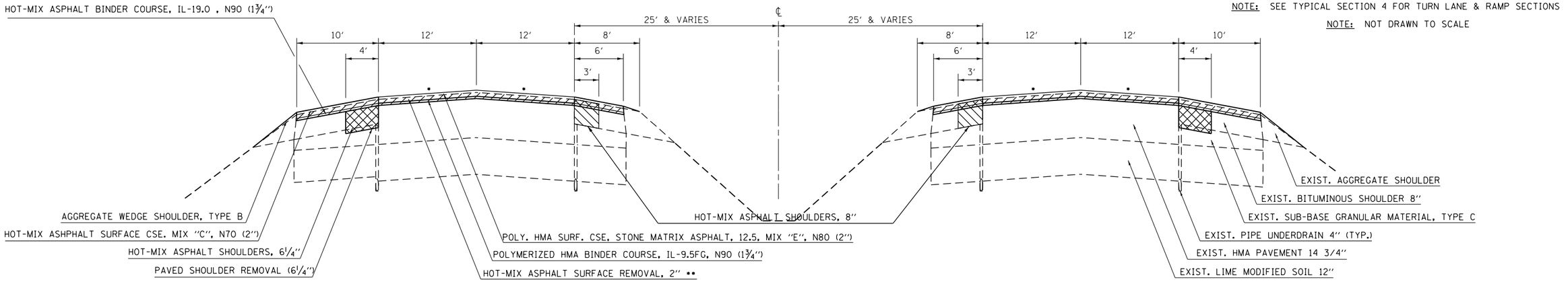
▨ HOT-MIX ASPHALT SURACE REMOVAL, 2″

▨ PAVED SHOULDER REMOVAL (6¼″)

▨ HOT-MIX ASPHALT SURFACE REMOVAL, 8″

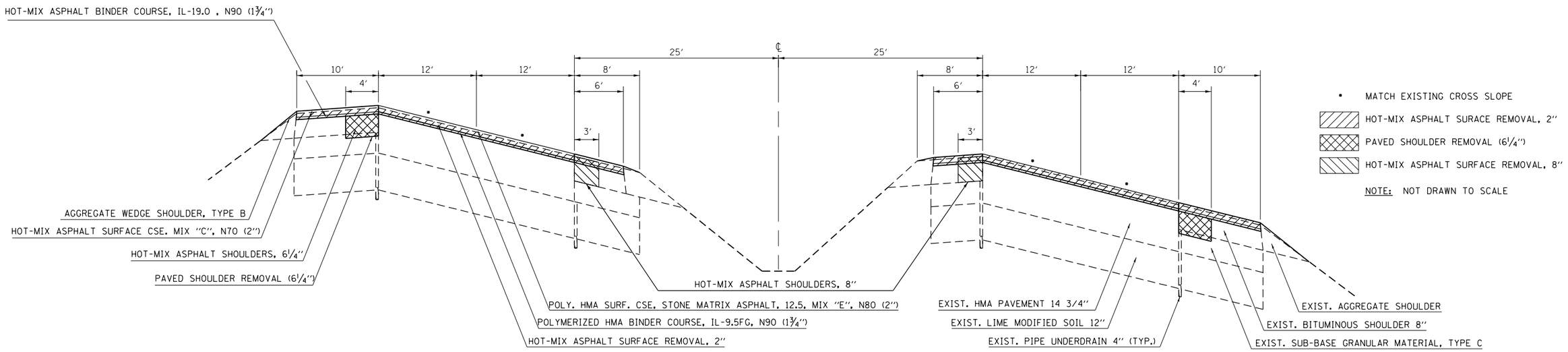
NOTE: SEE TYPICAL SECTION 4 FOR TURN LANE & RAMP SECTIONS

NOTE: NOT DRAWN TO SCALE



② TYPICAL CROSS SECTIONS

①	STATION 336+69.47 TO STATION 361+42.07	①
①	STATION 438+47.06 TO STATION 457+20.10	①
①	STATION 1608+13.95 TO STATION 1638+68.53	①



• MATCH EXISTING CROSS SLOPE

▨ HOT-MIX ASPHALT SURACE REMOVAL, 2″

▨ PAVED SHOULDER REMOVAL (6¼″)

▨ HOT-MIX ASPHALT SURFACE REMOVAL, 8″

NOTE: NOT DRAWN TO SCALE

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		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/30/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

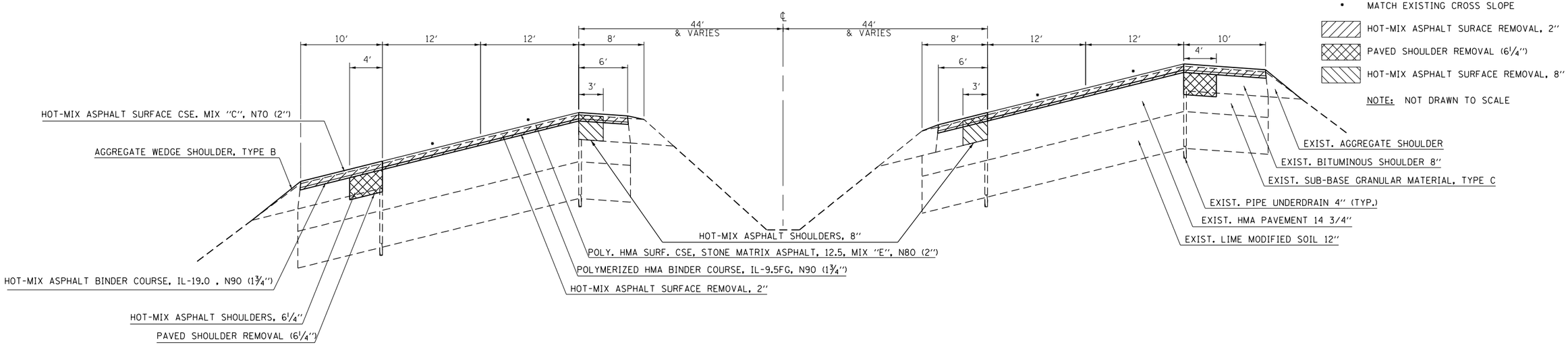
TYPICAL CROSS SECTION

SCALE: N/A | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	10
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

③ TYPICAL CROSS SECTIONS

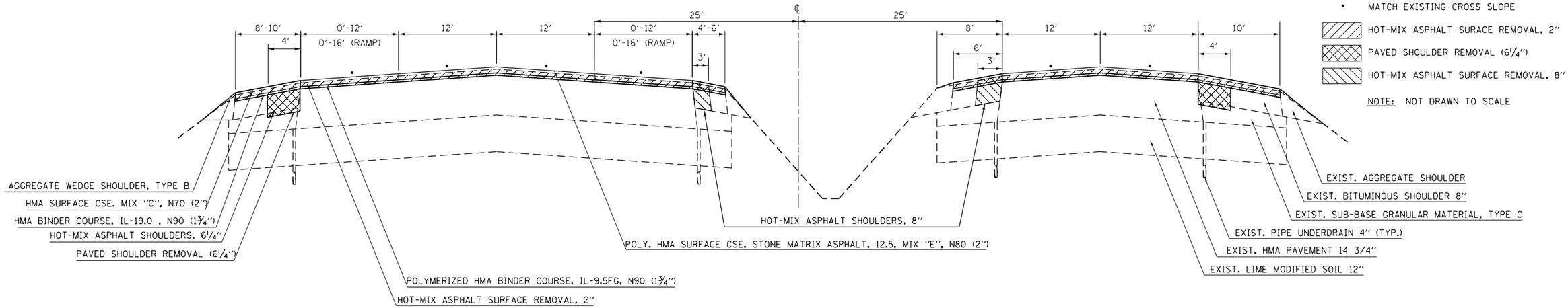
① STATION 364+62.41 TO STATION 399+53.08 ①
① STATION 1648+07.76 TO STATION 1703+97.09 ①
① STATION 1710+47.92 TO STATION 1716+44.00



④ TYPICAL CROSS SECTIONS

STATION 213+07.00 TO STATION 225+21.00
STATION 243+69.00 TO STATION 253+09.00
STATION 268+21.00 TO STATION 279+63.00
STATION 296+12.00 TO STATION 305+52.00
STATION 328+20.00 TO STATION 337+61.00
STATION 355+07.00 TO STATION 365+61.00
STATION 387+47.00 TO STATION 396+86.00

STATION 430+12.00 TO STATION 440+54.00
STATION 1480+61.00 TO STATION 1490+51.00
STATION 1507+60.00 TO STATION 1516+97.00
STATION 1535+03.00 TO STATION 1544+40.00
STATION 221+21.45 TO STATION 228+72.06 (RAMP A)
STATION 895+05.88 TO STATION 898+27.47 (RAMP D)
STATION 1572+01.02 TO STATION 1579+34.33
STATION 1574+11.97 TO STATION 1577+78.81



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		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/30/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

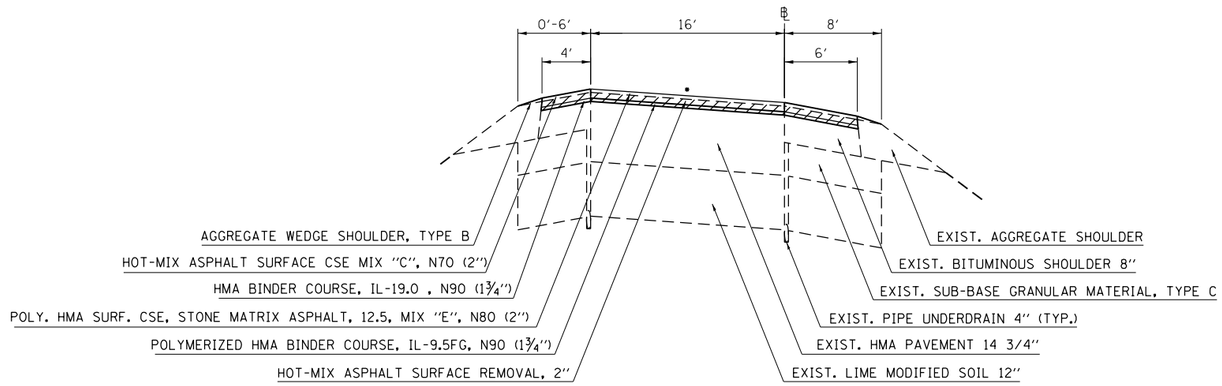
TYPICAL CROSS SECTION

SCALE: N/A | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	11
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			

⑤ TYPICAL CROSS SECTIONS

STATION 216+80.00 TO STATION 221+21.45 (RAMP A)
STATION 898+27.47 TO STATION 904+60.00 (RAMP D)



• MATCH EXISTING CROSS SLOPE

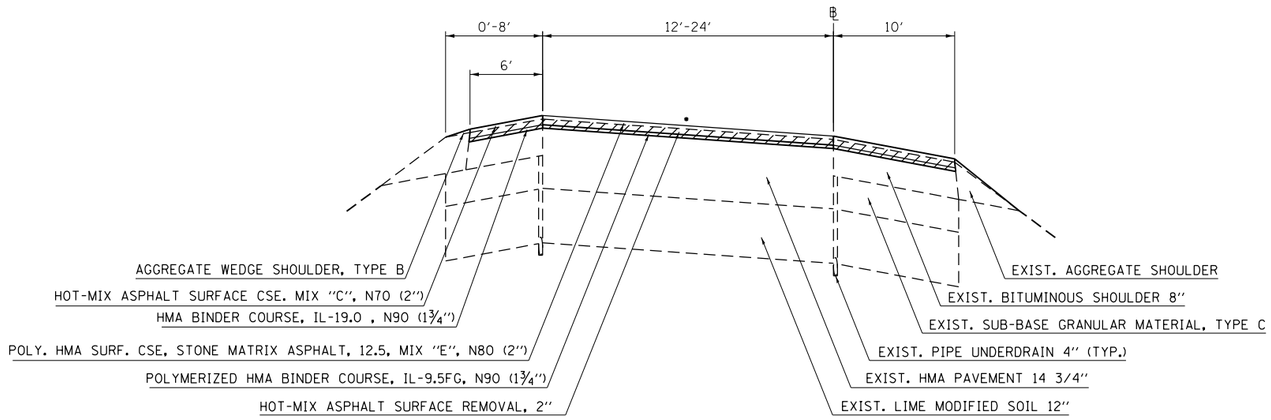
HOT-MIX ASPHALT SURACE REMOVAL, 2"

PAVED SHOULDER REMOVAL (6¼")

NOTE: NOT DRAWN TO SCALE

⑥ TYPICAL CROSS SECTIONS

STATION 0+00.00 TO STATION 24+23.00 (RAMP E)
STATION 0+00.00 TO STATION 38+52.00 (RAMP F)



• MATCH EXISTING CROSS SLOPE

HOT-MIX ASPHALT SURACE REMOVAL, 2"

PAVED SHOULDER REMOVAL (6¼")

NOTE: NOT DRAWN TO SCALE

FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 7\Projects\74779\CADData\CADsheets\74779-sht-typical.dgn Default	USER NAME = steffenmk PLOT SCALE = 100.0000 ' / in. PLOT DATE = 1/29/2020	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**	**TYPICAL CROSS SECTION**						
					SCALE: N/A	SHEET 3 OF 3 SHEETS	STA.	TO STA.			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	12
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

SURFACE REMOVAL - NORTHBOUND

STATIONING		LENGTH	WIDTH					AREA					HOT-MIX ASPHALT SURFACE REMOVAL, BUTT-JOINT	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	PAVED SHOULDER REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL 8"
FROM	TO	LENGTH FEET	MAINLINE WIDTH FEET	LEFT TURN LANE WIDTH FEET	RIGHT TURN LANE WIDTH FEET	OUTSIDE SHOULDER WIDTH FEET	INSIDE SHOULDER WIDTH FEET	MAINLINE AREA SQ YD	LEFT TURN LANE AREA SQ YD	RIGHT TURN LANE AREA SQ YD	OUTSIDE SHOULDER AREA SQ YD	INSIDE SHOULDER AREA SQ YD	40600982 SQ YD	X440198 SQ YD	44000157 SQ YD	44000164 SQ YD	44004250 SQ YD	44000182 SQ YD
212+84	213+07	23.0	24.0	-	-	10	8	61.3	-	-	25.6	20.4	245.0				10.2	7.7
213+07	215+86	279.0	24.0	6.0	-	10	8	744.0	186.0	-	310.0	248.0			1,488.0		124.0	93.0
215+86	218+57	271.0	24.0	12.0	-	10	8	722.7	361.3	-	301.1	240.9			1,626.0		120.4	0.0
218+57	220+42	185.0	24.0	-	-	10	8	493.3	-	-	205.6	88.9			787.8		82.2	0.0
220+42	243+69	2327.0	24.0	-	-	10	8	6,205.3	-	-	2,585.6	2,068.4			10,859.3		1034.2	775.7
243+69	245+98	229.0	24.0	6.0	-	10	8	610.7	152.7	-	254.4	203.6			1,221.3		101.8	76.3
245+98	248+05	207.0	24.0	12.0	-	10	8	552.0	276.0	-	230.0	184.0			1,242.0		92.0	0.0
248+05	248+71	66.0	24.0	-	-	10	8	176.0	-	-	73.3	44.4			293.8		29.3	0.0
248+71	249+17	46.0	24.0	2.7	-	10	8	122.7	13.8	-	51.1	40.9			228.5		20.4	15.3
249+17	268+21	1904.0	24.0	-	-	10	8	5,077.3	-	-	2,115.6	1,692.4			8,885.3		846.2	634.7
268+21	269+23	102.0	24.0	2.7	-	10	8-4	272.0	30.6	-	113.3	68.0			483.9		45.3	0.0
269+23	270+51	128.0	24.0	8.6	3.3	10-4	4	341.3	122.3	46.2	99.6	56.9			666.3		18.7	76.7
270+51	271+53	102.0	24.0	12.0	9.3	4	4	272.0	136.0	104.8	45.3	45.3			603.5			0.0
271+53	272+58	105.0	24.0	12.0	12.0	4	4	280.0	140.0	140.0	46.7	46.7			653.3			0.0
272+58	274+84	226.0	24.0	-	9.0	4	4	602.7	-	224.7	33.3	50.7			911.4			0.0
274+84	279+12	428.0	24.0	-	-	10	8	1,141.3	-	-	475.6	380.4			1,997.3		190.2	162.3
279+12	279+35	23.0	24.0	-	-	10	8	61.3	-	-	25.6	20.4		245.0			10.2	0.0
279+35	279+58	23.0	24.0	-	-	10	8	61.3	-	-	25.6	20.4				107.3	10.2	15.3
PAVING OMISSION S.N. 058-0125																		
281+08	282+36	128.0	24.0	-	-	10	8	341.3	-	-	142.2	113.8				597.3	56.9	42.7
282+36	282+59	23.0	24.0	-	-	10	8	61.3	-	-	25.6	20.4		245.0			10.2	7.7
282+59	296+12	1353.0	24.0	-	-	10	8	3,608.0	-	-	1,503.3	1,202.7			6,314.0		601.3	451.0
296+12	298+41	229.0	24.0	9.0	-	10	8	610.7	229.0	-	254.4	203.6			1,297.7		101.8	76.3
298+41	300+48	207.0	24.0	12.0	-	10	8	552.0	276.0	-	230.0	184.0			1,242.0		92.0	0.0
300+48	301+14	66.0	24.0	-	-	10	8	176.0	-	-	73.3	44.4			293.8		29.3	0.0
301+14	301+60	46.0	24.0	2.7	-	10	8	122.7	13.8	-	51.1	40.9			228.5		20.4	15.3
301+60	328+20	2660.0	24.0	-	-	10	8	7,093.3	-	-	2,955.6	2,364.4			12,413.3		1182.2	886.7
328+20	330+50	230.0	24.0	6.0	-	10	8	613.3	153.3	-	255.6	204.4			1,226.7		102.2	76.7
330+50	332+56	206.0	24.0	12.0	-	10	8	549.3	274.7	-	228.9	183.1			1,236.0		91.6	0.0
332+56	333+23	67.0	24.0	-	-	10	8	178.7	-	-	74.4	44.4			297.6		29.8	0.0
333+23	333+69	46.0	24.0	2.7	-	10	8	122.7	13.8	-	51.1	40.9			228.5		20.4	15.3
333+69	355+07	2138.0	24.0	-	-	10	8	5,701.3	-	-	2,375.6	1,900.4			9,977.3		950.2	713.0
355+07	357+38	231.0	24.0	6.0	6.0	8	4	616.0	154.0	154.0	205.3	102.7			1,232.0		9.8	76.7
357+38	359+70	232.0	24.0	12.0	12.0	8	4	618.7	309.3	309.3	157.3	103.1			1,497.8			0.0
359+70	360+96	126.0	24.0	-	-	8	4	336.0	-	-	-	6.7			342.7			0.0
360+96	361+61	65.0	24.0	6.3	6.3	10	8	173.3	45.7	45.7	72.2	57.8			394.7		28.9	21.7
361+61	387+47	2586.0	24.0	-	-	10	8	6,896.0	-	-	2,873.3	2,298.7			12,068.0		1149.3	862.0
387+47	389+78	231.0	24.0	6.0	-	10	8	616.0	154.0	-	256.7	205.3			1,232.0		102.7	77.0
389+78	391+83	205.0	24.0	12.0	-	10	8	546.7	273.3	-	227.8	182.2			1,230.0		91.1	0.0
391+83	392+50	67.0	24.0	-	-	10	8	178.7	-	-	74.4	44.4			297.6		29.8	0.0
392+50	392+95	45.0	24.0	2.7	-	10	8	120.0	13.5	-	50.0	40.0			223.5		20.0	15.0
392+95	409+00	1605.0	24.0	-	-	10	8	5,472.0	-	-	2,280.0	1,824.0	245.0		9,576.0		713.3	535.0
NORTHBOUND SUB-TOTAL 1 =													490.0	490.0	94,797.3	704.6	8,168.9	5,729.1

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Default	PLOT DATE = 1/29/2020	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 1 OF 16 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	13
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

SURFACE REMOVAL - NORTHBOUND (CONTINUED)

STATIONING		LENGTH	WIDTH					AREA					HOT-MIX ASPHALT SURFACE REMOVAL, BUTT-JOINT	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	PAVED SHOULDER REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL 8"
FROM	TO	LENGTH FEET	MAINLINE WIDTH FEET	LEFT TURN LANE WIDTH FEET	RIGHT TURN LANE WIDTH FEET	OUTSIDE SHOULDER WIDTH FEET	INSIDE SHOULDER WIDTH FEET	MAINLINE AREA SQ YD	LEFT TURN LANE AREA SQ YD	RIGHT TURN LANE AREA SQ YD	OUTSIDE SHOULDER AREA SQ YD	INSIDE SHOULDER AREA SQ YD	40600982 SQ YD	X4401198 SQ YD	44000157 SQ YD	44000164 SQ YD	44004250 SQ YD	44000182 SQ YD
428+50	430+12	162.0	24.0	-	-	10.0	8.0	2,701.3	-	-	1,125.6	900.4	245.0		4,727.3		72.0	54.0
430+12	432+42	230.0	24.0	6.0	-	10.0	4.0	613.3	153.3	-	255.6	102.2			1,124.4		102.2	76.7
432+42	434+48	206.0	24.0	12.0	-	10.0	4.0	549.3	274.7	-	228.9	91.6			1,144.4		91.6	0.0
434+48	436+79	231.0	24.0	-	-	10.0	8-4	616.0	-	-	256.7	72.7			945.3		102.7	0.0
436+79	467+30.956	3052.0	24.0	-	-	10.0	8.0	8,138.5	-	-	3,391.1	2,712.8			14,242.5		1356.4	1017.3
STATION EQUATION: STA. 467+30.96 (BK.) = STA. 1480+00.00 (AH.)																		
1480+00	1480+61	61.0	24.0	1.8	-	10.0	8-4	162.7	12.2	-	67.8	40.7			283.3		27.1	20.3
1480+61	1482+23	162.0	24.0	7.8	4.4	10-4	4.0	432.0	140.4	78.3	126.0	72.0			848.7		16.9	12.7
1482+23	1482+91	68.0	24.0	12.0	10.4	4.0	4.0	181.3	90.7	78.2	30.2	30.2			410.6			0.0
1482+91	1484+28	137.0	24.0	12.0	12.0	4.0	4.0	365.3	182.7	182.7	60.9	60.9			852.4			0.0
1484+28	1486+09	181.0	24.0	-	-	4.0	4-8	482.7	-	-	16.4	74.7			573.8			0.0
1486+09	1507+60	2151.0	24.0	-	-	10.0	8.0	5,736.0	-	-	2,390.0	1,912.0			10,038.0		956.0	717.0
1507+60	1509+90	230.0	24.0	6.0	-	10.0	8.0	613.3	153.3	-	255.6	204.4			1,226.7		102.2	76.7
1509+90	1511+95	205.0	24.0	12.0	-	10.0	8.0	546.7	273.3	-	227.8	182.2			1,230.0		91.1	0.0
1511+95	1512+60	65.0	24.0	-	-	10.0	8.0	173.3	-	-	72.2	44.4			290.0		28.9	0.0
1512+60	1513+12	52.0	24.0	3.0	-	10.0	8.0	138.7	17.3	-	57.8	46.2			260.0		23.1	17.3
1513+12	1535+03	2191.0	24.0	-	-	10.0	8.0	5,842.7	-	-	2,434.4	1,947.6			10,224.7		973.8	730.3
1535+03	1537+33	230.0	24.0	6.0	-	10.0	8.0	613.3	153.3	-	255.6	204.4			1,226.7		102.2	76.7
1537+33	1539+38	205.0	24.0	12.0	-	10.0	8.0	546.7	273.3	-	227.8	182.2			1,230.0		91.1	0.0
1539+38	1540+03	65.0	24.0		-	10.0	8.0	173.3	-	-	72.2	42.7			288.2		28.9	0.0
1540+03	1540+55	52.0	24.0	3.0	-	10.0	8.0	138.7	17.3	-	57.8	46.2			260.0		23.1	17.3
1540+55	1577+78	3723.0	24.0	-	-	10.0	8.0	9,928.0	-	-	4,136.7	3,309.3			17,374.0		1514.2	1135.7
1577+78	1599+13	2135.0	24.0	-	-	-	8.0	5,693.3	-	-	-	1,897.8			7,591.1		152.4	711.7
1599+13	1706+07	10694.0	24.0	-	-	10.0	8.0	28,517.3	-	-	11,882.2	9,505.8			49,905.3		4752.9	3564.7
1706+07	1712+70	663.0	24.0	-	-	-	8.0	1,768.0	-	-	-	589.3			2,357.3		58.7	221.0
1712+70	1716+21	351.0	24.0	-	-	10.0	8.0	936.0	-	-	390.0	312.0			1,638.0		156.0	117.0
1716+21	1716+44	23.0	24.0	-	-	10.0	8.0	61.3	-	-	25.6	20.4	245.0				10.2	7.7
												NORTHBOUND SUB-TOTAL 2 =	490.0	0.0	130,292.9	0.0	10,833.8	8,574.1

NORTHBOUND SUB-TOTAL 1 =	490.0	490.0	94,797.3	704.6	8,168.9	5,729.1
NORTHBOUND SUB-TOTAL 2 =	490.0	0.0	130,292.9	0.0	10,833.8	8,574.1
NORTHBOUND TOTAL =	980.0	490.0	225,090.2	704.6	19,002.6	14,303.2

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	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 2 OF 16 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	14
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

SURFACE REMOVAL - SOUTHBOUND

STATIONING		LENGTH	WIDTH					AREA					HOT-MIX ASPHALT SURFACE REMOVAL, BUTT-JOINT	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	PAVED SHOULDER REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL 8"
			MAINLINE WIDTH	LEFT TURN LANE WIDTH	RIGHT TURN LANE WIDTH	OUTSIDE SHOULDER WIDTH	INSIDE SHOULDER WIDTH	MAINLINE AREA	LEFT TURN LANE AREA	RIGHT TURN LANE AREA	OUTSIDE SHOULDER AREA	INSIDE SHOULDER AREA						
FROM	TO	LENGTH FEET	FEET	FEET	FEET	FEET	FEET	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	40600982 SQ YD	X4401198 SQ YD	44000157 SQ YD	44000160 SQ YD	44004250 SQ YD	44000182 SQ YD
212+84	213+07	23.0	24.0	-	-	10.0	8.0	61.3	-	-	25.6	20.4	245.0				10.2	7.7
213+07	217+86	479.0	24.0	-	-	10.0	8.0	1,277.3	-	-	532.2	425.8			2,235.3		212.9	159.7
217+86	219+71	185.0	24.0	-	-	10.0	8.0	493.3	-	-	205.6	88.9			787.8		82.2	0.0
219+71	222+42	271.0	24.0	12.0	-	10.0	8.0	722.7	361.3	-	301.1	240.9			1,626.0		120.4	0.0
222+42	225+21	279.0	24.0	6.0	-	10.0	8.0	744.0	186.0	-	310.0	248.0			1,488.0		124.0	93.0
225+21	247+60	2239.0	24.0	-	-	10.0	8.0	5,970.7	-	-	2,487.8	1,990.2			10,448.7		995.1	746.3
247+60	248+07	47.0	24.0	3	-	10.0	8.0	125.3	14.1	-	52.2	44.4			236.1		20.9	15.7
248+07	248+73	66.0	24.0	-	-	10.0	8.0	176.0	-	-	73.3	58.7			308.0		29.3	0.0
248+73	250+80	207.0	24.0	12.0	-	10.0	8.0	552.0	276.0	-	230.0	184.0			1,242.0		92.0	0.0
250+80	253+09	229.0	24.0	6.0	-	10.0	8.0	610.7	152.7	-	254.4	203.6			1,221.3		101.8	76.3
253+09	273+25	2016.0	24.0	-	-	10.0	8.0	5,376.0	-	-	2,240.0	1,792.0			9,408.0		896.0	672.0
273+25	274+25	100.0	24.0	-	-	-	4.0	266.7	-	-	-	15.6			282.2			0.0
274+25	275+24	99.0	24.0	23.9	12.0	4.0	4.0	264.0	262.4	132.0	44.0	44.0			746.4			0.0
275+24	276+30	106.0	24.0	12.0	12.0	4.0	4.0	282.7	141.3	141.3	47.1	47.1			659.5			0.0
276+30	277+31	101.0	24.0	12.0	9.6	4.0	4.0	269.3	134.7	107.7	44.9	44.9			601.5			0.0
277+31	278+62	131.0	24.0	8.4	2.8	10-4	4.0	349.3	122.3	40.4	101.9	58.2			672.1		24.9	18.7
278+62	279+12	50.0	24.0	3.5	-	10.0	4.0	133.3	19.4	-	55.6	22.2			230.6		22.2	16.7
279+12	279+35	23.0	24.0	1.9	-	10.0	8-4	61.3	-	-	25.6	15.3	245.0				10.2	7.7
PAVING OMISSION S.N. 058-0125																		
280+84	282+36	152.0	24.0	-	-	10.0	8.0	405.3	-	-	168.9	135.1				709.3	67.6	50.7
282+36	282+59	23.0	24.0	-	-	10.0	8.0	61.3	-	-	25.6	20.4		245.0			10.2	7.7
282+59	300+03	1744.0	24.0	-	-	10.0	8.0	4,650.7	-	-	1,937.8	1,550.2			8,138.7		775.1	581.3
300+03	300+50	47.0	24.0	2.7	-	10.0	8.0	125.3	14.1	-	52.2	41.8			233.4		20.9	15.7
300+50	301+15	65.0	24.0	-	-	10.0	8.0	173.3	-	-	72.2	44.4			290.0		28.9	0.0
301+15	303+22	207.0	24.0	12	-	10.0	8.0	552.0	276.0	-	230.0	184.0			1,242.0		92.0	0.0
303+22	305+52	230.0	24.0	6	-	10.0	8.0	613.3	153.3	-	255.6	204.4			1,226.7		102.2	76.7
305+52	332+12	2660.0	24.0	-	-	10.0	8.0	7,093.3	-	-	2,955.6	2,364.4			12,413.3		1182.2	886.7
332+12	332+58	46.0	24.0	2.7	-	10.0	8.0	122.7	13.8	-	51.1	40.9			228.5		20.4	15.3
332+58	333+24	66.0	24.0	-	-	10.0	8.0	176.0	-	-	73.3	44.4			293.8		29.3	0.0
333+24	335+31	207.0	24.0	12	-	10.0	8.0	552.0	276.0	-	230.0	184.0			1,242.0		92.0	0.0
335+31	337+61	230.0	24.0	6	-	10.0	8.0	613.3	153.3	-	255.6	204.4			1,226.7		102.2	76.7
337+61	359+06	2145.0	24.0	-	-	10.0	8.0	5,720.0	-	-	2,383.3	1,906.7			10,010.0		953.3	715.0
359+06	359+72	66.0	24.0	12.7	-	10.0	8-4	176.0	92.8	-	66.0	44.0			378.8		29.3	22.0
359+72	360+99	127.0	24.0	-	-	10-8	4.0	338.7	-	-	44.4	6.2			389.3			0.0
360+99	363+26	227.0	24.0	12	12	8.0	4.0	605.3	302.7	302.7	155.6	100.9			1,467.1			0.0
363+26	363+32	6.0	24.0	12	11.9	8.0	4.0	16.0	8.0	7.9	5.3	2.7			39.9		2.7	0.0
363+32	365+56	224.0	24.0	6.2	5.9	8.0	4.0	597.3	153.1	145.6	199.1	99.6			1,194.7		17.3	13.0
365+56	365+61	5.0	24.0	0.2	-	8.0	4.0	13.3	0.1	-	5.6	4.4			23.4		2.2	1.7
365+61	391+40	2579.0	24.0	-	-	10.0	8.0	6,877.3	-	-	2,865.6	2,292.4			12,035.3		1146.2	859.7
391+40	391+86	46.0	24.0	2.7	-	10.0	8.0	122.7	13.8	-	51.1	40.9			228.5		20.4	15.3
391+86	392+51	65.0	24.0	-	-	10.0	8.0	173.3	-	-	72.2	44.4			290.0		28.9	0.0
392+51	394+58	207.0	24.0	12	-	10.0	8.0	552.0	276.0	-	230.0	184.0			1,242.0		92.0	0.0
394+58	396+86	228.0	24.0	6	-	10.0	8.0	608.0	152.0	-	253.3	202.7			1,216.0		101.3	76.0
396+86	409+00	1214.0	24.0	-	-	10.0	8.0	5,546.7	-	-	2,311.1	1,848.9	245.0		9,706.7		539.6	404.7
SOUTHBOUND SUB-TOTAL 1 =													735.0	245.0	96,950.2	709.3	8,198.7	5,631.8

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		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 3 OF 16 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	15
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

SURFACE REMOVAL - SOUTHBOUND (CONTINUED)

STATIONING		LENGTH	WIDTH					AREA					HOT-MIX ASPHALT SURFACE REMOVAL, BUTT-JOINT	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	PAVED SHOULDER REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL 8"
FROM	TO	LENGTH FEET	MAINLINE WIDTH FEET	LEFT TURN LANE WIDTH FEET	RIGHT TURN LANE WIDTH FEET	OUTSIDE SHOULDER WIDTH FEET	INSIDE SHOULDER WIDTH FEET	MAINLINE AREA SQ YD	LEFT TURN LANE AREA SQ YD	RIGHT TURN LANE AREA SQ YD	OUTSIDE SHOULDER AREA SQ YD	INSIDE SHOULDER AREA SQ YD	40600982 SQ YD	X4401198 SQ YD	44000157 SQ YD	44000160 SQ YD	44004250 SQ YD	44000182 SQ YD
428+50	435+18	668.0	24.0	-	-	10.0	8.0	2,936.0	-	-	1,148.9	978.7	245.0		5,063.6		296.9	222.7
435+18	436+53	135.0	24.0	-	-	-	8.0	360.0	-	-	-	35.6			395.6			0.0
436+53	437+37	84.0	24.0	18.4	12.0	8.0	8.0	224.0	171.7	112.0	74.7	74.7			657.1			0.0
437+37	438+25	88.0	24.0	-	12.0	8.0	8.0	234.7	-	117.3	78.2	78.2			508.4			29.3
438+25	440+54	229.0	24.0	-	6.0	8.0	8.0	610.7	-	152.7	203.6	203.6			1,170.4		16.9	12.7
440+54	467+30.956	2677.0	24.0	-	-	10.0	8.0	7,138.5	-	-	2,974.4	2,379.5			12,492.5		1189.8	892.3
STATION EQUATION: STA. 467+30.96 (BK.) = STA. 1480+00.00 (AH.)																		
1480+00	1484+34	434.0	24.0	-	-	10.0	8.0	1,157.3	-	-	482.2	385.8			2,025.3		192.9	144.7
1484+34	1485+62	128.0	24.0	-	-	4.0	8-4	341.3	-	-	11.1	44.0			396.4			0.0
1485+62	1486+16	54.0	24.0	22.5	12.0	4.0	4.0	144.0	135.0	72.0	24.0	24.0			399.0			0.0
1486+16	1486+65	49.0	24.0	12.0	12.0	4.0	4.0	130.7	65.3	65.3	21.8	21.8			304.9			0.0
1486+65	1488+21	156.0	24.0	12.0	9.3	4.0	4.0	416.0	208.0	161.2	69.3	69.3			923.9			0.0
1488+21	1489+95	174.0	24.0	7.5	3.3	10-4	4.0	464.0	145.0	63.8	135.3	77.3			885.5		16.9	12.7
1489+95	1490+51	56.0	24.0	1.5	-	10.0	8-4	149.3	9.3	-	62.2	37.3			258.2		24.9	18.7
1490+51	1511+45	2094.0	24.0	-	-	10.0	8.0	5,584.0	-	-	2,326.7	1,861.3			9,772.0		930.7	698.0
1511+45	1511+96	51.0	24.0	3.0	-	10.0	8.0	136.0	17.0	-	56.7	45.3			255.0		22.7	17.0
1511+96	1512+62	66.0	24.0	-	-	10.0	8.0	176.0	-	-	73.3	44.4			293.8		29.3	0.0
1512+62	1514+67	205.0	24.0	12.0	-	10.0	8.0	546.7	273.3	-	227.8	182.2			1,230.0		91.1	0.0
1514+67	1516+97	230.0	24.0	6.0	-	10.0	8.0	613.3	460.0	-	255.6	204.4			1,533.3		102.2	76.7
1516+97	1538+88	2191.0	24.0	-	-	10.0	8.0	5,842.7	-	-	2,434.4	1,947.6			10,224.7		973.8	730.3
1538+88	1539+40	52.0	24.0	3.0	-	10.0	8.0	138.7	17.3	-	57.8	46.2			260.0		23.1	17.3
1539+40	1540+05	65.0	24.0	-	-	10.0	8.0	173.3	-	-	72.2	44.4			290.0		28.9	0.0
1540+05	1542+10	205.0	24.0	12.0	-	10.0	8.0	546.7	273.3	-	227.8	182.2			1,230.0		91.1	0.0
1542+10	1544+40	230.0	24.0	6.0	-	10.0	8.0	613.3	153.3	-	255.6	204.4			1,226.7		102.2	76.7
1544+40	1579+34	3494.0	24.0	-	-	10.0	8.0	9,317.3	-	-	3,882.2	3,105.8			16,305.3		1275.6	1164.7
1579+34	1607+11	2777.0	24.0	-	-	-	8.0	7,405.3	-	-	-	2,468.4			9,873.8		727.1	925.7
1607+11	1698+23	9112.0	24.0	-	-	10.0	8.0	24,298.7	-	-	10,124.4	8,099.6			42,522.7		4026.7	3037.3
1698+23	1710+13	1190.0	24.0	-	-	-	8.0	3,173.3	-	-	-	1,057.8			4,231.1		192.0	396.7
1710+13	1716+21	608.0	24.0	-	-	10.0	8.0	1,621.3	-	-	675.6	540.4			2,837.3		270.2	202.7
1716+21	1716+44	23.0	24.0	-	-	10	8	-	-	-	-	-	245.0				10.2	7.7
												SOUTHBOUND SUB-TOTAL 2 =	490.0	0.0	127,566.4	0.0	10,635.1	8,683.7

SOUTHBOUND SUB-TOTAL 1 =	735.0	245.0	96,950.2	709.3	8,198.7	5,631.8
SOUTHBOUND SUB-TOTAL 2 =	490.0	0.0	127,566.4	0.0	10,635.1	8,683.7
SOUTHBOUND TOTAL =	1,225.0	245.0	224,516.6	709.3	18,833.8	14,315.5

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		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 4 OF 16 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	16
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

SURFACE REMOVAL - RAMPS

STATIONING		LENGTH	WIDTH			AREA			HOT-MIX ASPHALT SURFACE REMOVAL, BUTT-JOINT	HOT-MIX ASPHALT SURFACE REMOVAL, 2"
			PAVEMENT	INSIDE SHOULDER	OUTSIDE SHOULDER	PAVEMENT	INSIDE SHOULDER	OUTSIDE SHOULDER		
FROM	TO	LEGNTH FEET	WIDTH FEET	WIDTH SQ YD	WIDTH SQ YD	AREA SQ YD	AREA SQ YD	AREA SQ YD	40600982 SQ YD	44000157 SQ YD
RAMP E										
-3+67	0+00	367	6.7	-	-	273.2	-	-		273.2
0+00	3+00	300	18.7	10.0	-	623.3	333.3	-		956.7
3+00	17+92	1492	24.0	10.0	-	3,978.7	1,657.8	-		5,636.4
17+92	21+35	343	24.0	10.0	9.0	914.7	381.1	343.0		1,638.8
21+35	24+08	273	24.0	10.0	8.0	728.0	303.3	242.7		1,274.0
24+08	24+23	15	24.0	10.0	8.0	40.0	-	-	163.3	40.0
								RAMP E TOTAL =	163.3	9,819.1
RAMP F										
-7+33	0+00	733	6.7	-	-	545.7	-	-		545.7
0+00	6+00	600	18.7	10.0	-	1,246.7	666.7	-		1,913.3
6+00	16+00	1000	24.0	10.0	-	2,666.7	1,111.1	-		3,777.8
16+00	27+77	1177	24.0	10.0	9.0	3,138.7	1,307.8	1,177.0		5,623.4
27+77	38+37	1060	24.0	10.0	8.0	2,826.7	1,177.8	942.2		4,946.7
38+37	38+52	15	24.0	10.0	8.0	40.0	-	-	163.3	40.0
								RAMP F TOTAL =	163.3	16,846.9
RAMP D										
895+06	900+36	530	8.0	8.0	-	471.1	471.1	-		942.2
900+36	901+68	132	16.0	8.0	10.0	234.7	117.3	146.7		498.7
901+68	904+45	277	16.0	8.0	6.0	492.4	246.2	184.7		923.3
904+45	904+60	15	16.0	8.0	6.0	26.7	-	-	101.1	26.7
								RAMP D TOTAL =	101.1	2,390.9
RAMP A										
216+80	216+95	15	16.0	8.0	6.0	26.7	-	-	101.1	26.7
216+95	221+21	426	16.0	8.0	10.0	757.3	378.7	473.3		1,609.3
221+21	228+72	751	8.0	8.0	-	667.6	667.6	-		1,335.1
								RAMP A TOTAL =	101.1	2,971.1
								RAMP TOTAL =	528.8	32,027.9

SURFACE REMOVAL - CROSSOVERS

	HOT- MIX ASPHALT SURFACE REMOVAL, 2"
	44000157
STATION	SQ YD
219+14	724.6
248+39	205.1
273+91	744.0
300+82	202.0
332+90	205.0
360+35	277.4
392+18	203.6
435+94	903.4
1485+22	614.4
1512+28	188.3
1539+71	186.4
TOTAL =	4,454.3

SURFACE REMOVAL SUMMARY

	HOT-MIX ASPHALT SURFACE REMOVAL, BUTT-JOINT	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	PAVED SHOULDER REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL 8"
	40600982	X4401198	44000157	44000164	44004250	44000182
LOCATION	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD
NORTHBOUND	980.0	490.0	225,090.2	704.6	19,002.6	14303.2
SOUTHBOUND	1,225.0	245.0	224,516.6	709.3	18,833.8	14,315.5
RAMPS	528.8		32,027.9			
CROSSOVERS			4,454.3			
PRAS						
TOTAL	2,733.8	735.0	486,089.1	1,413.9	37,836.4	28,618.7
ROUND TO	2,734.0	735.0	486,090.0	1,414.0	37,837.0	28,619.0

SCHEDULE OF QUANTITIES

HOT-MIX ASPHALT - NORTHBOUND

STATIONING		LENGTH					WIDTH				AREA						BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "E", N80	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N 70	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	HOT-MIX ASPHALT SHOULDERS, 6 1/4"	HOT-MIX ASPHALT SHOULDERS, 8"
		LEGNTH	LEFT TURN LANE LENGTH	RIGHT TURN LANE LENGTH	OUTSIDE SHOULDER LENGTH	INSIDE SHOULDER LENGTH	LEFT TURN LANE WIDTH	RIGHT TURN LANE WIDTH	OUTSIDE SHOULDER WIDTH	INSIDE SHOULDER WIDTH	MAINLINE AREA	LEFT TURN LANE AREA	RIGHT TURN LANE AREA	OUTSIDE SHOULDER AREA	INSIDE SHOULDER AREA	TOTAL SHOULDER AREA	40600290	40603219	40605034	40604052	40603085	48203022	48203029
FROM	TO	FEET	FEET	FEET	FEET	FEET	FEET	FEET	FEET	FEET	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	POUND	TON	TONS	TON	TONS	SQ YD	SQ YD
212+84	213+07	23	-	-	23	23	-	-	10	6	61.3	-	-	25.6	15.3	40.9	69.0	6.0	8.0	4.6	4.0	10.2	7.7
213+07	215+86	279	279	-	279	279	0-12	-	10	6	744.0	186.0	-	310.0	186.0	496.0	962.6	91.1	120.9	55.6	48.6	124.0	93.0
215+86	218+57	271	271	-	271	271	12	-	10	6	722.7	361.3	-	301.1	180.7	481.8	1,056.9	106.2	140.9	54.0	47.2	120.4	0.0
218+57	220+42	185	-	-	185	100	-	-	10	6	493.3	-	-	205.6	66.7	272.2	516.8	48.3	64.1	30.5	26.7	82.2	0.0
220+42	243+69	2327	-	-	2327	2327	-	-	10	6	6,205.3	-	-	2,585.6	1,551.3	4,136.9	6,981.0	608.1	806.7	463.3	405.4	1034.2	775.7
243+69	245+98	229	229	-	229	229	0-12	-	10	6	610.7	152.7	-	254.4	152.7	407.1	790.1	74.8	99.2	45.6	39.9	101.8	76.3
245+98	248+05	207	207	-	207	207	12	-	10	6	552.0	276.0	-	230.0	138.0	368.0	807.3	81.1	107.6	41.2	36.1	92.0	0.0
248+05	248+71	66	-	-	66	50	-	-	10	6	176.0	-	-	73.3	33.3	106.7	190.8	17.2	22.9	11.9	10.5	29.3	0.0
248+71	249+17	46	46	-	46	46	5.4-0	-	10	6	122.7	13.8	-	51.1	30.7	81.8	147.3	13.4	17.7	9.2	8.0	20.4	15.3
249+17	268+21	1904	-	-	1904	1904	-	-	10	6	5,077.3	-	-	2,115.6	1,269.3	3,384.9	5,712.0	497.6	660.1	379.1	331.7	846.2	634.7
268+21	269+23	102	102	-	102	102	0-5.2	-	10	6-4	272.0	30.6	-	113.3	56.7	170.0	319.0	29.7	39.3	19.0	16.7	45.3	0.0
269+23	270+51	128	128	128	128	128	5.2-12	0-6.5	10-4	4	341.3	122.3	46.2	99.6	56.9	156.4	449.8	50.0	66.3	17.5	15.3	18.7	76.7
270+51	271+53	102	102	102	102	102	12	6.5-12	4	4	272.0	136.0	104.8	45.3	45.3	90.7	407.4	50.3	66.7	10.2	8.9		0.0
271+53	272+58	105	105	105	105	105	12	12	4	4	280.0	140.0	140.0	46.7	46.7	93.3	441.0	54.9	72.8	10.5	9.1		0.0
272+58	274+84	226	-	226	75	114	-	12-5.9	4	4	602.7	-	224.7	33.3	50.7	84.0	615.2	81.1	107.6	9.4	8.2		0.0
274+84	279+12	428	-	-	428	428	-	-	10	6	1,141.3	-	-	475.6	285.3	760.9	1,284.0	111.9	148.4	85.2	74.6	190.2	162.3
279+12	279+35	23	-	-	23	23	-	-	10	6	61.3	-	-	25.6	15.3	40.9	69.0	6.0	8.0	4.6	4.0	10.2	0.0
279+35	279+58	23	-	-	23	23	-	-	10	6	61.3	-	-	25.6	15.3	40.9	69.0	6.0	8.0	4.6	4.0	10.2	15.3
PAVING OMISSION S.N. 058-0125																							
281+08	282+36	128	-	-	128	128	-	-	10	6	341.3	-	-	142.2	85.3	227.6	384.0	33.5	44.4	25.5	22.3	56.9	42.7
282+36	282+59	23	-	-	23	23	-	-	10	6	61.3	-	-	25.6	15.3	40.9	69.0	6.0	8.0	4.6	4.0	10.2	7.7
282+59	296+12	1353	-	-	1353	1353	-	-	10	6	3,608.0	-	-	1,503.3	902.0	2,405.3	4,059.0	353.6	469.0	269.4	235.7	601.3	451.0
296+12	298+41	229	229	-	229	229	0-12	-	10	6	610.7	152.7	-	254.4	152.7	407.1	790.1	74.8	99.2	45.6	39.9	101.8	76.3
298+41	300+48	207	207	-	207	207	12	-	10	6	552.0	276.0	-	230.0	138.0	368.0	807.3	81.1	107.6	41.2	36.1	92.0	0.0
300+48	301+14	66	-	-	66	50	-	-	10	6	176.0	-	-	73.3	33.3	106.7	190.8	17.2	22.9	11.9	10.5	29.3	0.0
301+14	301+60	46	46	-	46	46	5.4-0	-	10	6	122.7	13.8	-	51.1	30.7	81.8	147.3	13.4	17.7	9.2	8.0	20.4	15.3
301+60	328+20	2660	-	-	2660	2660	-	-	10	6	7,093.3	-	-	2,955.6	1,773.3	4,728.9	7,980.0	695.1	922.1	529.6	463.4	1182.2	886.7
328+20	330+50	230	230	-	230	230	0-12	-	10	6	613.3	153.3	-	255.6	153.3	408.9	793.5	75.1	99.7	45.8	40.1	102.2	76.7
330+50	332+56	206	206	-	206	206	12	-	10	6	549.3	274.7	-	228.9	137.3	366.2	803.4	80.8	107.1	41.0	35.9	91.6	0.0
332+56	333+23	67	-	-	67	50	-	-	10	6	178.7	-	-	74.4	33.3	107.8	193.4	17.5	23.2	12.1	10.6	29.8	0.0
333+23	333+69	46	46	-	46	46	5.4-0	-	10	6	122.7	13.8	-	51.1	30.7	81.8	147.3	13.4	17.7	9.2	8.0	20.4	15.3
333+69	355+07	2138	-	-	2138	2138	-	-	10	6	5,701.3	-	-	2,375.6	1,425.3	3,800.9	6,414.0	558.7	741.2	425.7	372.5	950.2	713.0
355+07	357+38	231	231	231	231	231	0-12	0-12	8	4	616.0	154.0	154.0	205.3	102.7	308.0	831.6	90.6	120.1	34.5	30.2	9.8	76.7
357+38	359+70	232	232	232	177	232	12	12	8	4	618.7	309.3	309.3	157.3	103.1	260.4	1,011.0	121.3	160.9	29.2	25.5		0.0
359+70	360+96	126	-	-	-	15	-	-	8	4	336.0	-	-	-	6.7	6.7	231.3	32.9	43.7	0.7	0.7		0.0
360+96	361+61	65	65	65	65	65	12.65-0	12.65-0	10	6	173.3	45.7	45.7	72.2	43.3	115.6	256.7	25.9	34.4	12.9	11.3	28.9	21.7
361+61	387+47	2586	-	-	2586	2586	-	-	10	6	6,896.0	-	-	2,873.3	1,724.0	4,597.3	7,758.0	675.8	896.5	514.9	450.5	1149.3	862.0
387+47	389+78	231	231	-	231	231	0-12	-	10	6	616.0	154.0	-	256.7	154.0	410.7	797.0	75.5	100.1	46.0	40.2	102.7	77.0
389+78	391+83	205	205	-	205	205	12	-	10	6	546.7	273.3	-	227.8	136.7	364.4	799.5	80.4	106.6	40.8	35.7	91.1	0.0
391+83	392+50	67	-	-	67	50	-	-	10	6	178.7	-	-	74.4	33.3	107.8	193.4	17.5	23.2	12.1	10.6	29.8	0.0
392+50	392+95	45	45	-	45	45	5.4-0	-	10	6	120.0	13.5	-	50.0	30.0	80.0	144.1	13.1	17.4	9.0	7.8	20.0	15.0
392+95	409+00	1605	-	-	1605	1605	-	-	10	6	4,280.0	-	-	1,783.3	1,070.0	2,853.3	4,815.0	419.4	556.4	319.6	279.6	912.0	535.0
NORTHBOUND SUB-TOTAL 1 =																	60,504.6	5,506.3	7,304.3	3,746.3	3,278.0	8,367.6	5,729.1

FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 7\Projects\74779\CADData\CADsheets\74779-sht-schedule.dgn	USER NAME = steffenmk	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN -	REVISED -	
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -	

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 6 OF 16 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	18
		CONTRACT NO. 74779		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

HOT-MIX ASPHALT - NORTHBOUND (CONTINUED)

STATIONING		LENGTH					WIDTH				AREA						BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "E", N80	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N 70	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	HOT-MIX ASPHALT SHOULDERS, 6 1/4"	HOT-MIX ASPHALT SHOULDERS, 8"
		LEGNTH	LEFT TURN LANE LENGTH	RIGHT TURN LANE LENGTH	OUTSIDE SHOULDER LENGTH	INSIDE SHOULDER LENGTH	LEFT TURN LANE WIDTH	RIGHT TURN LANE WIDTH	OUTSIDE SHOULDER WIDTH	INSIDE SHOULDER WIDTH	MAINLINE AREA	LEFT TURN LANE AREA	RIGHT TURN LANE AREA	OUTSIDE SHOULDER AREA	INSIDE SHOULDER AREA	TOTAL SHOULDER AREA	40600290	40603219	40605034	40604052	40603085	48203022	48203029
FROM	TO	FEET	FEET	FEET	FEET	FEET	FEET	FEET	FEET	FEET	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	POUND	TON	TONS	TON	TONS	SQ YD	SQ YD
428+50	430+12	162	-	-	162	162	-	-	10	6	432.0	-	-	180.0	108.0	288.0	486.0	42.3	56.2	32.3	28.2	450.2	54.0
430+12	432+42	230	230	-	230	230	0-12	-	10	4	613.3	153.3	-	255.6	102.2	357.8	759.0	75.1	99.7	40.1	35.1	102.2	76.7
432+42	434+48	206	206	-	206	206	12	-	10	4	549.3	274.7	-	228.9	91.6	320.4	772.5	80.8	107.1	35.9	31.4	91.6	0.0
434+48	436+79	231	-	-	231	109	-	-	10	6-4	616.0	-	-	256.7	60.6	317.2	629.9	60.4	80.1	35.5	31.1	102.7	0.0
436+79	467+30.956	3051.96	-	-	3052	3052	-	-	10	6	8,138.5	-	-	3,391.1	2,034.6	5,425.7	9,155.9	797.6	1,058.0	607.7	531.7	1356.4	1017.3
STATION EQUATION: STA. 467+30.96 (BK.) = STA. 1480+00.00 (AH.)																							
1480+00	1480+61	61	61	-	61	61	0-3.6	-	10	6-4	162.7	12.2	-	67.8	33.9	101.7	186.7	17.1	22.7	11.4	10.0	27.1	20.3
1480+61	1482+23	162	162	162	162	162	3.6-12	0-8.7	10-4	4	432.0	140.4	78.3	126.0	72.0	198.0	572.9	63.8	84.6	22.2	19.4	16.9	12.7
1482+23	1482+91	68	68	68	68	68	12	8.7-12	4	4	181.3	90.7	78.2	30.2	30.2	60.4	277.2	34.3	45.5	6.8	5.9		0.0
1482+91	1484+28	137	137	137	137	137	12	12	4	4	365.3	182.7	182.7	60.9	60.9	121.8	575.4	71.6	95.0	13.6	11.9		0.0
1484+28	1486+09	181	-	-	37	112	-	-	4	4-6	482.7	-	-	16.4	62.2	78.7	378.9	47.3	62.7	8.8	7.7		0.0
1486+09	1507+60	2151	-	-	2151	2151	-	-	10	6	5,736.0	-	-	2,390.0	1,434.0	3,824.0	6,453.0	562.1	745.7	428.3	374.8	956.0	717.0
1507+60	1509+90	230	230	-	230	230	0-12	-	10	6	613.3	153.3	-	255.6	153.3	408.9	793.5	75.1	99.7	45.8	40.1	102.2	76.7
1509+90	1511+95	205	205	-	205	205	12	-	10	6	546.7	273.3	-	227.8	136.7	364.4	799.5	80.4	106.6	40.8	35.7	91.1	0.0
1511+95	1512+60	65	-	-	65	50	-	-	10	6	173.3	-	-	72.2	33.3	105.6	188.3	17.0	22.5	11.8	10.3	28.9	0.0
1512+60	1513+12	52	52	-	52	52	6.0-0	-	10	6	138.7	17.3	-	57.8	34.7	92.4	167.7	15.3	20.3	10.4	9.1	23.1	17.3
1513+12	1535+03	2191	-	-	2191	2191	-	-	10	6	5,842.7	-	-	2,434.4	1,460.7	3,895.1	6,573.0	572.6	759.5	436.3	381.7	973.8	730.3
1535+03	1537+33	230	230	-	230	230	0-12	-	10	6	613.3	153.3	-	255.6	153.3	408.9	793.5	75.1	99.7	45.8	40.1	102.2	76.7
1537+33	1539+38	205	205	-	205	205	12	-	10	6	546.7	273.3	-	227.8	136.7	364.4	799.5	80.4	106.6	40.8	35.7	91.1	0.0
1539+38	1540+03	65	-	-	65	48	-	-	10	6	173.3	-	-	72.2	32.0	104.2	187.4	17.0	22.5	11.7	10.2	28.9	0.0
1540+03	1540+55	52	52	-	52	52	6.0-0	-	10	6	138.7	17.3	-	57.8	34.7	92.4	167.7	15.3	20.3	10.4	9.1	23.1	17.3
1540+55	1577+78	3723	-	-	3723	3723	-	-	10	6	9,928.0	-	-	4,136.7	2,482.0	6,618.7	11,169.0	972.9	1,290.6	741.3	648.6	1514.2	1135.7
1577+78	1599+13	2135	-	-	2135	2135	-	-	-	6	5,693.3	-	-	-	1,423.3	1,423.3	4,803.8	557.9	740.1	159.4	139.5	152.4	711.7
1599+13	1706+07	10694	-	-	10694	10694	-	-	10	6	28,517.3	-	-	11,882.2	7,129.3	19,011.6	32,082.0	2,794.7	3,707.3	2,129.3	1,863.1	4752.9	3564.7
1706+07	1712+70	663	-	-	663	663	-	-	-	6	1,768.0	-	-	-	442.0	442.0	1,491.8	173.3	229.8	49.5	43.3	58.7	221.0
1712+70	1716+21	351	-	-	351	351	-	-	10	6	936.0	-	-	390.0	234.0	624.0	1,053.0	91.7	121.7	69.9	61.2	156.0	117.0
1716+21	1716+44	23	-	-	23	23	-	-	10	6	61.3	-	-	25.6	15.3	40.9	69.0	6.0	8.0	4.6	4.0	10.2	7.7
NORTHBOUND SUB-TOTAL 2 =																	81,385.8	7,397.1	9,812.5	5,050.1	4,418.9	11,212.0	8,574.1

NORTHBOUND SUB-TOTAL 1 =	60,504.6	5,506.3	7,304.3	3,746.3	3,278.0	8,367.6	5,729.1
NORTHBOUND SUB-TOTAL 2 =	81,385.8	7,397.1	9,812.5	5,050.1	4,418.9	11,212.0	8,574.1
NORTHBOUND TOTAL =	141,890.4	12,903.5	17,116.8	8,796.5	7,696.9	19,579.5	14,303.2

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		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 7 OF 16 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	19
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

HOT-MIX ASPHALT - SOUTHBOUND

STATIONING		LENGTH					WIDTH				AREA						BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "E", N80	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N 70	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	HOT-MIX ASPHALT SHOULDERS, 6 1/4"	HOT-MIX ASPHALT SHOULDERS, 8"
FROM	TO	LEGNTH FEET	LEFT TURN LANE LENGTH FEET	RIGHT TURN LANE LENGTH FEET	OUTSIDE SHOULDER LENGTH FEET	INSIDE SHOULDER LENGTH FEET	LEFT TURN LANE WIDTH FEET	RIGHT TURN LANE WIDTH FEET	OUTSIDE SHOULDER WIDTH FEET	INSIDE SHOULDER WIDTH FEET	MAINLINE AREA SQ YD	LEFT TURN LANE AREA SQ YD	RIGHT TURN LANE AREA SQ YD	OUTSIDE SHOULDER AREA SQ YD	INSIDE SHOULDER AREA SQ YD	TOTAL SHOULDER AREA SQ YD	40600290 POUND	40603219 TON	40605034 TONS	40604052 TON	40603085 TONS	48203022 SQ YD	48203029 SQ YD
212+84	213+07	23	-	-	23	23	-	-	10	6	61.3	-	-	25.6	15.3	40.9	69.0	6.0	8.0	4.6	4.0	10.2	7.7
213+07	217+86	479	-	-	479	479	-	-	10	6	1,277.3	-	-	532.2	319.3	851.6	1,437.0	125.2	166.1	95.4	83.5	212.9	159.7
217+86	219+71	185	-	-	185	100	-	-	10	6	493.3	-	-	205.6	66.7	272.2	516.8	48.3	64.1	30.5	26.7	82.2	0.0
219+71	222+42	271	271	-	271	271	12	-	10	6	722.7	361.3	-	301.1	180.7	481.8	1,056.9	106.2	140.9	54.0	47.2	120.4	0.0
222+42	225+21	279	279	-	279	279	12-0	-	10	6	744.0	186.0	-	310.0	186.0	496.0	962.6	91.1	120.9	55.6	48.6	124.0	93.0
225+21	247+60	2239	-	-	2239	2239	-	-	10	6	5,970.7	-	-	2,487.8	1,492.7	3,980.4	6,717.0	585.1	776.2	445.8	390.1	995.1	746.3
247+60	248+07	47	47	-	47	50	0-5.4	-	10	6	125.3	14.1	-	52.2	33.3	85.6	151.9	13.7	18.1	9.6	8.4	20.9	15.7
248+07	248+73	66	-	-	66	66	-	-	10	6	176.0	-	-	73.3	44.0	117.3	198.0	17.2	22.9	13.1	11.5	29.3	0.0
248+73	250+80	207	207	-	207	207	12	-	10	6	552.0	276.0	-	230.0	138.0	368.0	807.3	81.1	107.6	41.2	36.1	92.0	0.0
250+80	253+09	229	229	-	229	229	12-0	-	10	6	610.7	152.7	-	254.4	152.7	407.1	790.1	74.8	99.2	45.6	39.9	101.8	76.3
253+09	273+25	2016	-	-	2016	2016	-	-	10	6	5,376.0	-	-	2,240.0	1,344.0	3,584.0	6,048.0	526.8	698.9	401.4	351.2	896.0	672.0
273+25	274+25	100	-	-	-	35	-	-	-	4	266.7	-	-	-	15.6	15.6	190.5	26.1	34.7	1.7	1.5		0.0
274+25	275+24	99	99	99	99	99	35.7-12	12	4	4	264.0	262.4	132.0	44.0	44.0	88.0	503.8	64.5	85.6	9.9	8.6		0.0
275+24	276+30	106	106	106	106	106	12	12	4	4	282.7	141.3	141.3	47.1	47.1	94.2	445.2	55.4	73.5	10.6	9.2		0.0
276+30	277+31	101	101	101	101	101	12	12-7.2	4	4	269.3	134.7	107.7	44.9	44.9	89.8	406.0	50.1	66.5	10.1	8.8		0.0
277+31	278+62	131	131	131	131	131	12-4.8	7.2-0	10-4	4	349.3	122.3	40.4	101.9	58.2	160.1	453.7	50.2	66.6	17.9	15.7	24.9	18.7
278+62	279+12	50	50	-	50	50	4.8-2.2	-	10	4	133.3	19.4	-	55.6	22.2	77.8	155.6	15.0	19.9	8.7	7.6	22.2	16.7
279+12	279+35	23	23	-	23	23	2.2-1.5	-	10	6-4	61.3	4.7	-	25.6	12.8	38.3	70.5	6.5	8.6	4.3	3.8	10.2	7.7
PAVING OMISSION S.N. 058-0125																							
280+84	282+36	152	-	-	152	152	-	-	10	6	405.3	-	-	168.9	101.3	270.2	456.0	39.7	52.7	30.3	26.5	67.6	50.7
282+36	282+59	23	-	-	23	23	-	-	10	6	61.3	-	-	25.6	15.3	40.9	69.0	6.0	8.0	4.6	4.0	10.2	7.7
282+59	300+03	1744	-	-	1744	1744	-	-	10	6	4,650.7	-	-	1,937.8	1,162.7	3,100.4	5,232.0	455.8	604.6	347.2	303.8	775.1	581.3
300+03	300+50	47	47	-	47	47	0-5.4	-	10	6	125.3	14.1	-	52.2	31.3	83.6	150.5	13.7	18.1	9.4	8.2	20.9	15.7
300+50	301+15	65	-	-	65	50	-	-	10	6	173.3	-	-	72.2	33.3	105.6	188.3	17.0	22.5	11.8	10.3	28.9	0.0
301+15	303+22	207	207	-	207	207	12	-	10	6	552.0	276.0	-	230.0	138.0	368.0	807.3	81.1	107.6	41.2	36.1	92.0	0.0
303+22	305+52	230	230	-	230	230	12-0	-	10	6	613.3	153.3	-	255.6	153.3	408.9	793.5	75.1	99.7	45.8	40.1	102.2	76.7
305+52	332+12	2660	-	-	2660	2660	-	-	10	6	7,093.3	-	-	2,955.6	1,773.3	4,728.9	7,980.0	695.1	922.1	529.6	463.4	1182.2	886.7
332+12	332+58	46	46	-	46	46	0-5.4	-	10	6	122.7	13.8	-	51.1	30.7	81.8	147.3	13.4	17.7	9.2	8.0	20.4	15.3
332+58	333+24	66	-	-	66	50	-	-	10	6	176.0	-	-	73.3	33.3	106.7	190.8	17.2	22.9	11.9	10.5	29.3	0.0
333+24	335+31	207	207	-	207	207	12	-	10	6	552.0	276.0	-	230.0	138.0	368.0	807.3	81.1	107.6	41.2	36.1	92.0	0.0
335+31	337+61	230	230	-	230	230	12-0	-	10	6	613.3	153.3	-	255.6	153.3	408.9	793.5	75.1	99.7	45.8	40.1	102.2	76.7
337+61	359+06	2145	-	-	2145	2145	-	-	10	6	5,720.0	-	-	2,383.3	1,430.0	3,813.3	6,435.0	560.6	743.6	427.1	373.7	953.3	715.0
359+06	359+72	66	66	-	66	66	0-25.3	-	10-8	6-4	176.0	92.8	-	66.0	36.7	102.7	250.7	26.3	34.9	11.5	10.1	29.3	22.0
359+72	360+99	127	-	-	50	14	-	-	8	4	338.7	-	-	44.4	6.2	50.7	262.8	33.2	44.0	5.7	5.0		0.0
360+99	363+26	227	227	227	175	227	12	12	8	4	605.3	302.7	302.7	155.6	100.9	256.4	990.3	118.6	157.4	28.7	25.1		0.0
363+26	363+32	6	6	6	6	6	12	12-11.7	8	4	16.0	8.0	7.9	5.3	2.7	8.0	26.9	3.1	4.1	0.9	0.8	2.7	0.0
363+32	365+56	224	224	224	224	224	12-.3	11.7-0	8	4	597.3	153.1	145.6	199.1	99.6	298.7	806.4	87.8	116.5	33.5	29.3	17.3	13.0
365+56	365+61	5	5	-	5	5	.3-0	-	10	6	13.3	0.1	-	5.6	3.3	8.9	15.1	1.3	1.7	1.0	0.9	2.2	1.7
365+61	391+40	2579	-	-	2579	2579	-	-	10	6	6,877.3	-	-	2,865.6	1,719.3	4,584.9	7,737.0	674.0	894.1	513.5	449.3	1146.2	859.7
391+40	391+86	46	46	-	46	46	0-5.4	-	10	6	122.7	13.8	-	51.1	30.7	81.8	147.3	13.4	17.7	9.2	8.0	20.4	15.3
391+86	392+51	65	-	-	65	50	-	-	10	6	173.3	-	-	72.2	33.3	105.6	188.3	17.0	22.5	11.8	10.3	28.9	0.0
392+51	394+58	207	207	-	207	207	12	-	10	6	552.0	276.0	-	230.0	138.0	368.0	807.3	81.1	107.6	41.2	36.1	92.0	0.0
394+58	396+86	228	228	-	228	228	12-0	-	10	6	608.0	152.0	-	253.3	152.0	405.3	786.6	74.5	98.8	45.4	39.7	101.3	76.0
396+86	409+00	1214	-	-	1214	1214	-	-	10	6	3,237.3	-	-	1,348.9	809.3	2,158.2	3,642.0	317.3	420.9	241.7	211.5	924.4	404.7
SOUTHBOUND SUB-TOTAL 1 =																	60,690.8	5,522.2	7,325.4	3,759.0	3,289.2	8,583.6	5,632.0

FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 7\Projects\74779\CADData\CADsheets\DRAWN-sht-schedule.dgn	USER NAME = steffenmk	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN -	REVISED -	
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -	

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 8 OF 16 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	20
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

HOT-MIX ASPHALT - SOUTHBOUND (CONTINUED)

STATIONING		LENGTH					WIDTH				AREA						BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "E", N80	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N 70	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	HOT-MIX ASPHALT SHOULDERS, 6 1/4"	HOT-MIX ASPHALT SHOULDERS, 8"
		LEGNTH	LEFT TURN LANE LENGTH	RIGHT TURN LANE LENGTH	OUTSIDE SHOULDER LENGTH	INSIDE SHOULDER LENGTH	LEFT TURN LANE WIDTH	RIGHT TURN LANE WIDTH	OUTSIDE SHOULDER WIDTH	INSIDE SHOULDER WIDTH	MAINLINE AREA	LEFT TURN LANE AREA	RIGHT TURN LANE AREA	OUTSIDE SHOULDER AREA	INSIDE SHOULDER AREA	TOTAL SHOULDER AREA	40600290	40603219	40605034	40604052	40603085	48203022	48203029
FROM	TO	FEET	FEET	FEET	FEET	FEET	FEET	FEET	FEET	FEET	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	POUND	TON	TONS	TON	TONS	SQ YD	SQ YD
428+50	435+18	668	-	-	1034	668	-	-	10	6	1,781.3	-	-	1,148.9	445.3	1,594.2	2,278.5	174.6	231.6	178.6	156.2	459.6	222.7
435+18	436+53	135	-	-	-	40	-	-	-	6	360.0	-	-	-	26.7	26.7	261.0	35.3	46.8	3.0	2.6		0.0
436+53	437+37	84	84	84	84	84	36.8-0	12	8	6	224.0	171.7	112.0	74.7	56.0	130.7	430.9	49.8	66.0	14.6	12.8		0.0
437+37	438+25	88	-	88	88	88	-	12	8	6	234.7	-	117.3	78.2	58.7	136.9	330.0	34.5	45.8	15.3	13.4		29.3
438+25	440+54	229	-	229	229	229	-	12-0	8	6	610.7	-	152.7	203.6	152.7	356.2	755.7	74.8	99.2	39.9	34.9	16.9	12.7
440+54	467+30.956	2677	-	-	2677	2677	-	-	10	6	7,138.5	-	-	2,974.4	1,784.6	4,759.0	8,030.9	699.6	928.0	533.0	466.4	1189.8	892.3
STATION EQUATION: STA. 467+30.96 (BK.) = STA. 1480+00.00 (AH)																							
1480+00	1484+34	434	-	-	434	434	-	-	10	6	1,157.3	-	-	482.2	289.3	771.6	1,302.0	113.4	150.5	86.4	75.6	192.9	144.7
1484+34	1485+62	128	-	-	25	66	-	-	4	6-4	341.3	-	-	11.1	36.7	47.8	262.7	33.5	44.4	5.4	4.7		0.0
1485+62	1486+16	54	54	54	54	54	33-12	12	4	4	144.0	135.0	72.0	24.0	24.0	48.0	269.3	34.4	45.6	5.4	4.7		0.0
1486+16	1486+65	49	49	49	49	49	12	12	4	4	130.7	65.3	65.3	21.8	21.8	43.6	205.8	25.6	34.0	4.9	4.3		0.0
1486+65	1488+21	156	156	156	156	156	12	12-6.6	4	4	416.0	208.0	161.2	69.3	69.3	138.7	623.6	76.9	102.1	15.5	13.6		0.0
1488+21	1489+95	174	174	174	174	174	12-3	6.6-0	10-4	4	464.0	145.0	63.8	135.3	77.3	212.7	597.7	65.9	87.5	23.8	20.8	16.9	12.7
1489+95	1490+51	56	56	-	56	56	3-0	-	10	6-4	149.3	9.3	-	62.2	31.1	93.3	170.1	15.5	20.6	10.5	9.1	24.9	18.7
1490+51	1511+45	2094	-	-	2094	2094	-	-	10	6	5,584.0	-	-	2,326.7	1,396.0	3,722.7	6,282.0	547.2	725.9	416.9	364.8	930.7	698.0
1511+45	1511+96	51	51	-	51	51	0-6	-	10	6	136.0	17.0	-	56.7	34.0	90.7	164.5	15.0	19.9	10.2	8.9	22.7	17.0
1511+96	1512+62	66	-		66	50			10	6	176.0	-	-	73.3	33.3	106.7	190.8	17.2	22.9	11.9	10.5	29.3	0.0
1512+62	1514+67	205	205	-	205	205	12	-	10	6	546.7	273.3	-	227.8	136.7	364.4	799.5	80.4	106.6	40.8	35.7	91.1	0.0
1514+67	1516+97	230	230	-	230	230	12-0	-	10	6	613.3	460.0	-	255.6	153.3	408.9	1,000.5	105.2	139.5	45.8	40.1	102.2	79.7
1516+97	1538+88	2191	-	-	2191	2191	-	-	10	6	5,842.7	-	-	2,434.4	1,460.7	3,895.1	6,573.0	572.6	759.5	436.3	381.7	973.8	730.3
1538+88	1539+40	52	52	-	52	52	0-6	-	10	6	138.7	17.3	-	57.8	34.7	92.4	167.7	15.3	20.3	10.4	9.1	23.1	17.3
1539+40	1540+05	65	-	-	65	50	-	-	10	6	173.3	-	-	72.2	33.3	105.6	188.3	17.0	22.5	11.8	10.3	28.9	0.0
154005	154210	205	205	-	205	205	12	-	10	6	546.7	273.3	-	227.8	136.7	364.4	799.5	80.4	106.6	40.8	35.7	91.1	0.0
154210	154440	230	230	-	230	230	12-0	-	10	6	613.3	153.3	-	255.6	153.3	408.9	793.5	75.1	99.7	45.8	40.1	102.2	76.7
154440	157934	3494	-	-	3494	3494	-	-	10	6	9,317.3	-	-	3,882.2	2,329.3	6,211.6	10,482.0	913.1	1,211.3	695.7	608.7	1275.6	1164.7
157934	160711	2777	-	-	-	2777	-	-	-	6	7,405.3	-	-	-	1,851.3	1,851.3	6,248.3	725.7	962.7	207.3	181.4	727.1	925.7
160711	169823	9112	-	-	9112	9112	-	-	10	6	24,298.7	-	-	10,124.4	6,074.7	16,199.1	27,336.0	2,381.3	3,158.8	1,814.3	1,587.5	4026.7	3037.3
169823	171013	1190	-	-	-	1190	-	-	-	6	3,173.3	-	-	-	793.3	793.3	2,677.5	311.0	412.5	88.9	77.7	192.0	396.7
171013	171621	608	-	-	608	608	-	-	10	6	1,621.3	-	-	675.6	405.3	1,080.9	1,824.0	158.9	210.8	121.1	105.9	270.2	202.7
171621	171644	23	-	-	23	23	-	-	10	6	61.3	-	-	25.6	15.3	40.9	69.0	6.0	8.0	4.6	4.0	10.2	7.7
SOUTHBOUND SUB-TOTAL 2 =																	81,114.1	7,455.1	9,889.5	4,938.8	4,321.4	10,797.8	8,686.9

SOUTHBOUND SUB-TOTAL 1 =	60,690.8	5,522.2	7,325.4	3,759.0	3,289.2	8,583.6	5,632.0
SOUTHBOUND SUB-TOTAL 2 =	81,114.1	7,455.1	9,889.5	4,938.8	4,321.4	10,797.8	8,686.9
SOUTHBOUND TOTAL =	141,805.0	12,977.4	17,214.9	8,697.8	7,610.6	19,381.3	14,318.9

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		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 9 OF 16 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	21
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

HOT-MIX ASPHALT - RAMPS

STATIONING		LEGNTH	LENGTH		WIDTH			AREA				BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "E", N80	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N 70	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
			OUTSIDE SHOULDER	INSIDE SHOULDER	MAINLINE	OUTSIDE SHOULDER	INSIDE SHOULDER	RAMP	OUTSIDE SHOULDER	INSIDE SHOULDER	TOTAL SHOULDER					
								AREA	AREA	AREA	AREA	40600290	40603219	40605034	40604052	40603085
FROM	TO	FEET	LENGTH FEET	LENGTH FEET	WIDTH FEET	WIDTH FEET	WIDTH FEET	SQ YD	SQ YD	SQ YD	AREA SQ YD	POUND	TON	TONS	TON	TONS
RAMP E																
-3+67	0+00	367			0-13.4			273.2				184.4	26.8	35.5	0.0	0.0
0+00	3+00	300	300	-	13.4-24	10	-	623.3	333.3	-	333.3	645.8	61.1	81.0	37.3	32.7
3+00	17+92	1492	1492	-	24	10	-	3,978.7	1,657.8	-	1,657.8	3,804.6	389.9	517.2	185.7	162.5
17+92	21+35	343	343	343	24	10	0-18	914.7	381.1	343.0	724.1	1,106.2	89.6	118.9	81.1	71.0
21+35	24+08	273	273	273	24	10	6	728.0	303.3	182.0	485.3	819.0	71.3	94.6	54.4	47.6
24+08	24+23	15	15	15	24	10	6	40.0	16.7	10.0	26.7	45.0	3.9	5.2	3.0	2.6
											RAMP E TOTAL =	6,604.9	642.7	852.5	361.4	316.3
RAMP F																
-7+33	0+00	733			0-13.4			545.7				368.3	53.5	70.9	0.0	0.0
0+00	6+00	600	600	-	13.4-24	10	-	1,246.7	666.7	-	666.7	1,291.5	122.2	162.1	74.7	65.3
6+00	16+00	1000	1000	-	24	10	-	2,666.7	1,111.1	-	1,111.1	2,550.0	261.3	346.7	124.4	108.9
16+00	27+77	1177	1177	1177	24	10	0-18	3,138.7	1,307.8	1,177.0	2,484.8	3,795.8	307.6	408.0	278.3	243.5
27+77	38+37	1060	1060	1060	24	10	6	2,826.7	1,177.8	706.7	1,884.4	3,180.0	277.0	367.5	211.1	184.7
38+37	38+52	15	15	15	24	10	6	40.0	16.7	10.0	26.7	45.0	3.9	5.2	3.0	2.6
											RAMP F TOTAL =	11,230.7	1,025.5	1,360.4	691.5	605.0
RAMP D																
895+06	900+36	530	530	-	0-16	8	-	471.1	471.1	-	471.1	636.0	46.2	61.2	52.8	46.2
900+36	901+68	132	132	132	16	8	0-20	234.7	117.3	146.7	264.0	336.6	23.0	30.5	29.6	25.9
901+68	904+45	277	277	277	16	8	6	492.4	246.2	184.7	430.9	623.3	48.3	64.0	48.3	42.2
904+45	904+60	15	15	15	16	8	6	26.7	13.3	10.0	23.3	33.8	2.6	3.5	2.6	2.3
											RAMP D TOTAL =	1,629.6	120.0	159.2	133.2	116.6
RAMP A																
216+80	216+95	15	15	15	16	8	6	26.7	13.3	10.0	23.3	33.8	2.6	3.5	2.6	2.3
216+95	221+21	426	426	426	16	8	0-20	757.3	378.7	473.3	852.0	1,086.3	74.2	98.5	95.4	83.5
221+21	228+72	751	751	-	0-16	8	-	667.6	667.6	-	667.6	901.2	65.4	86.8	74.8	65.4
											RAMP A TOTAL =	2,021.3	142.3	188.7	172.8	151.2
											RAMP TOTAL =	21,486.5	1,930.5	2,560.8	1,358.9	1,189.0

SCHEDULE OF QUANTITIES

HOT-MIX ASPHALT - CROSSOVERS

STATION	AREA SQ FT	AREA SQ YD	BITUMINOUS MATERIALS (TACK COAT) 40600290 POUND	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 40603085 TONS	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N 70 40604052 TON
219+14	6521.7	724.6	489.1	71.0	81.2
248+39	1846.3	205.1	138.5	20.1	23.0
273+91	4236.8	470.8	317.8	46.1	52.7
300+82	1818.2	202.0	136.4	19.8	22.6
332+90	1844.9	205.0	138.4	20.1	23.0
360+35	3377.6	375.3	253.3	36.8	42.0
392+18	1832.8	203.6	137.5	20.0	22.8
435+94	6567.0	729.7	492.5	71.5	81.7
1485+22	2787.0	309.7	209.0	30.4	34.7
1512+28	1694.8	188.3	127.1	60.2	21.1
1539+71	1677.4	186.4	125.8	18.5	20.9
CROSSOVERS TOTAL =			2,565.3	414.4	425.7

HOT-MIX ASPHALT SUMMARY

LOCATION	BITUMINOUS MATERIALS (TACK COAT) 40600290 POUND	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90 40603219 TON	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "E", N80 40605034 TONS	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N 70 40604052 TON	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 40603085 TONS	HOT-MIX ASPHALT SHOULDERS, 6 1/4" 48203022 SQ YD	HOT-MIX ASPHALT SHOULDERS, 8" 48203029 SQ YD
NORTHBOUND	141,890.4	12,903.5	17,116.8	8,796.5	7,696.9	19,579.5	14303.2
SOUTHBOUND	141,805.0	12,977.4	17,214.9	8,697.8	7,610.6	19,381.3	14318.9
RAMPS	21,486.5	1,930.5	2,560.8	1,358.9	1,189.0	-	-
CROSSOVERS	2,565.3	-	-	425.7	414.4	-	-
PRAS	2,727.4	-	-	-	-	-	-
TOTAL	310,474.6	27,811.3	36,892.6	19,278.9	16,911.0	38,960.8	28,622.1
ROUND TO	310,475.0	27,812.0	36,893.0	19,279.0	16,911.0	38,961.0	28,623.0

LONGITUDINAL PARTIAL DEPTH PATCHING

STATIONING FROM	STATIONING TO	LANE	LENGTH FEET	PATCHING WIDTH FOOT	AVE THICK INCH	LONGITUDINAL PARTIAL DEPTH REMOVAL, 5" 44050217.00 FOOT	LONGITUDINAL PARTIAL DEPTH PATCHING 44209000 TON
212+84.00	279+58.00	NBDL	13,348.0	2.0	5.0	13,348.0	830.5
280+08.00	409+00.00	NBDL	25,784.0	2.0	5.0	25,784.0	1,604.3
428+50.00	467+30.96	NBDL	7,761.9	2.0	5.0	7,761.9	483.0
212+84.00	279+58.00	NBPL	13,348.0	2.0	5.0	13,348.0	830.5
280+08.00	409+00.00	NBPL	25,784.0	2.0	5.0	25,784.0	1,604.3
428+50.00	467+30.96	NBPL	7,761.9	2.0	5.0	7,761.9	483.0
212+84.00	279+35.00	SBDL	13,302.0	2.0	5.0	13,302.0	827.7
280+84.00	409+00.00	SBDL	25,632.0	2.0	5.0	25,632.0	1,594.9
428+50.00	467+30.96	SBDL	7,761.9	2.0	5.0	7,761.9	483.0
212+84.00	279+35.00	SBPL	13,302.0	2.0	5.0	13,302.0	827.7
280+84.00	409+00.00	SBPL	25,632.0	2.0	5.0	25,632.0	1,594.9
428+50.00	467+30.96	SBPL	7,761.9	2.0	5.0	7,761.9	483.0
				TOTAL		187,179.7	11,646.7
				ROUND TO		187,180.0	11,647.0

SCHEDULE OF QUANTITIES

THERMOPLASTIC PAVMENT MARKING - LINE 4''

US 51 NORTHBOUND

STATIONING		LOCATION	DESC.	LT/RT/CL	LENGTH	THERMOPLASTIC PAVEMENT MARKING - LINE 4'' (FOOT)		GROOVING FOR RECESSED PAVEMENT MARKING - 5''
FROM	TO				(FEET)	WHITE	YELLOW	(FOOT)
NORTHBOUND DRIVING LANE								
212+84.00	269+23.00	NBDL	EL	RT	5639.0	5639.0		5639.0
269+23.00	273+32.00	NBDL RTL	EL	RT	409.0	409.0		409.0
275+26.00	279+62.00	NBDL	EL	RT	436.0	436.0		436.0
PAVING OMISSION S.N. 058-0125								
281+12.00	359+17.00	NBDL	EL	RT	7805.0	7805.0		7805.0
361+19.00	409+00.00	NBDL	EL	RT	4781.0	4781.0		4781.0
J-TURN OMISSION								
428+50.00	467+30.96	NBDL	EL	RT	3881.0	3881.0		3881.0
STA. EQ.: STA. 467+30.96 (BK.) = STA. 1480+00.00 (AH.)								
1480+00.00	1480+61.00	NBDL	EL	RT	61.0	61.0		61.0
1480+61.00	1484+65.00	NBDL	EL	RT	404.0	404.0		404.0
1486+54.00	1574+11.00	NBDL	EL	RT	8757.0	8757.0		8757.0
1574+11.00	1577+77.00	RAMP E	RAMP DD	RT	366.0	91.5		91.5
1574+11.00	1577+77.00	RAMP E	EL	RT	366.0	366.0		366.0
00+00.00	24+23.00	RAMP E	EL	RT	2423.0	2423.0		2423.0
1602+52.00	1706+07.00	NBDL	EL	RT	10355.0	10355.0		10355.0
895+06.00	898+11.00	RAMP D	RAMP DD	LT	305.0	76.3		76.3
895+06.00	904+60.00	RAMP D	EL	RT	954.0	954.0		954.0
901+68.00	904+60.00	RAMP D	EL	LT	292.0		292.0	292.0
1712+68.00	1716+44.00	NBDL	EL	RT	376.0	376.0		376.0
NORTHBOUND PASSING LANE								
212+84.00	213+07.00	NBPL	EL	RT	23.0		23.0	23.0
213+07.00	218+57.00	NBPL SHLD	EL	RT	550.0		550.0	550.0
213+07.00	243+69.00	NBPL	EL	RT	3062.0		3062.0	3062.0
243+69.00	248+05.00	NBPL SHLD	EL	RT	436.0		436.0	436.0
243+69.00	268+21.00	NBPL	EL	RT	2452.0		2452.0	2452.0
268+21.00	272+58.00	NBPL LTL	EL	RT	437.0		437.0	437.0
274+84.00	279+54.00	NBPL	EL	RT	470.0		470.0	470.0
PAVING OMISSION S.N. 058-0125								
281+04.00	296+12.00	NBPL	EL	RT	1508.0		1508.0	1508.0
296+12.00	300+48.00	NBPL SHLD	EL	RT	436.0		436.0	436.0
296+12.00	328+20.00	NBPL	EL	RT	3208.0		3208.0	3208.0
328+20.00	332+56.00	NBPL SHLD	EL	RT	436.0		436.0	436.0
328+20.00	355+08.00	NBPL	EL	RT	2688.0		2688.0	2688.0
355+08.00	359+44.00	NBPL LTL	EL	RT	436.0		436.0	436.0
361+61.00	387+47.00	NBPL	EL	RT	2586.0		2586.0	2586.0
387+47.00	391+83.00	NBPL SHLD	EL	RT	436.0		436.0	436.0
387+47.00	409+00.00	NBPL	EL	RT	2153.0		2153.0	2153.0
J-TURN OMISSION								
428+50.00	430+12.00	NBPL	EL	RT	162.0		162.0	162.0
430+12.00	434+48.00	NBPL LTL	EL	RT	436.0		436.0	436.0
436+79.00	467+30.96	NBPL	EL	RT	3052.0		3052.0	3052.0
STATION EQUATION: STA. 467+30.96 (BK.) = STA. 1480+00.00 (AH.)								
1480+00.00	1484+28.00	NBPL LTL	EL	RT	428.0		428.0	428.0
1486+09.00	1507+60.00	NBPL	EL	RT	2151.0		2151.0	2151.0
1507+60.00	1511+95.00	NBPL SHLD	EL	RT	435.0		435.0	435.0
1507+60.00	1535+03.00	NBPL	EL	RT	2743.0		2743.0	2743.0
1535+03.00	1539+38.00	NBPL SHLD	EL	RT	435.0		435.0	435.0
1535+03.00	1716+44.00	NBPL	EL	RT	18141.0		18141.0	18141.0
			US 51 NB SUBTOTAL =			46814.7	49592.0	96406.7

EL = EDGE LINE

LL = LANE LINE

DD = DOTTED DASH

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Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 12 OF 16 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	24
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

THERMOPLASTIC PAVMENT MARKING - LINE 4''

US 51 SOUTHBOUND

STATIONING FROM	STATIONING TO	LOCATION	DESC.	LT/RT/CL	LENGTH (FEET)	THERMOPLASTIC PAVEMENT MARKING - LINE 4'' (FOOT) WHITE	THERMOPLASTIC PAVEMENT MARKING - LINE 4'' (FOOT) YELLOW	GROOVING FOR RECESSED PAVEMENT MARKING - 5'' (FOOT)
SOUTHBOUND DRIVING LANE								
212+84.00	272+66.00	SBDL	EL	LT	5982.0	5982.0		5982.0
274+44.00	278+62.00	SBDL RTL	EL	LT	418.0	418.0		418.0
278+62.00	279+31.00	SBDL	EL	LT	69.0	69.0		69.0
PAVING OMISSION S.N. 058-0125								
280+80.00	359+53.00	SBDL	EL	LT	7873.0	7873.0		7873.0
361+50.00	365+56.00	SBDL RTL	EL	LT	406.0	406.0		406.0
365+56.00	409+00.00	SBDL	EL	LT	4344.0	4344.0		4344.0
J-TURN OMISSION								
428+50.00	434+50.00	SBDL	EL	LT	600.0	600.0		600.0
436+48.00	440+54.00	SBDL RTL	EL	LT	406.0	406.0		406.0
440+54.00	467+31.00	SBDL	EL	LT	2677.0	2677.0		2677.0
STA. EQ.: STA. 467+30.96 (BK.) = STA. 1480+00.00 (AH.)								
1480+00.00	1483+88.00	SBDL	EL	LT	388.0	388.0		388.0
1485+82.00	1489+95.00	SBDL RTL	EL	LT	413.0	413.0		413.0
1489+95.00	1572+01.00	SBDL	EL	LT	8206.0	8206.0		8206.0
1572+01.00	1579+34.00	RAMP F	EL	LT	733.0	733.0		733.0
00+00.00	38+52.00	RAMP F	EL	LT	3852.0	3852.0		3852.0
1618+14.00	1698+23.00	SBDL	EL	LT	8009.0	8009.0		8009.0
228+72.00	216+80.00	RAMP A	EL	LT	1192.0	1192.0		1192.0
228+72.00	221+21.00	RAMP A	RAMP DD	LT	751.0	187.8		187.8
1710+13.00	1716+44.00	SBDL	EL	LT	631.0	631.0		631.0
SOUTHBOUND PASSING LANE								
212+84.00	225+21.00	SBPL	EL	LT	1237.0		1237.0	1237.0
217+86.00	218+57.00	RADIUS	EL	LT	100.0		100.0	100.0
219+71.00	220+42.00	RADIUS	EL	LT	100.0		100.0	100.0
219+71.00	225+21.00	SBPL LTL	EL	LT	550.0		550.0	550.0
225+21.00	253+09.00	SBPL	EL	LT	2788.0		2788.0	2788.0
247+60.00	248+05.00	RADIUS	EL	LT	97.0		97.0	97.0
248+73.00	249+17.00	RADIUS	EL	LT	96.0		96.0	96.0
248+73.00	253+09.00	SBPL LTL	EL	LT	436.0		436.0	436.0
253+09.00	273+02.00	SBPL	EL	LT	1993.0		1993.0	1993.0
272+58.00	273+02.00	RADIUS	EL	LT	114.0		114.0	114.0
274+84.00	275+24.00	RADIUS	EL	LT	115.0		115.0	115.0
275+24.00	279+39.00	SBPL LTL	EL	LT	415.0		415.0	415.0
PAVING OMISSION S.N. 058-0125								
280+87.00	305+52.00	SBPL	EL	LT	2465.0		2465.0	2465.0
300+03.00	300+48.00	RADIUS	EL	LT	96.0		96.0	96.0
301+15.00	301+60.00	RADIUS	EL	LT	96.0		96.0	96.0

STATIONING FROM	STATIONING TO	LOCATION	DESC.	LT/RT/CL	LENGTH (FEET)	THERMOPLASTIC PAVEMENT MARKING - LINE 4'' (FOOT) WHITE	THERMOPLASTIC PAVEMENT MARKING - LINE 4'' (FOOT) YELLOW	GROOVING FOR RECESSED PAVEMENT MARKING - 5'' (FOOT)
301+15.00	305+52.00	SBPL LTL	LL	LT	437.0		437.0	437.0
305+52.00	337+61.00	SBPL	LL	LT	3209.0		3209.0	3209.0
332+12.00	332+56.00	RADIUS	EL	LT	97.0		97.0	97.0
333+24.00	333+69.00	RADIUS	EL	LT	96.0		96.0	96.0
333+24.00	337+61.00	SBPL LTL	EL	LT	437.0		437.0	437.0
337+61.00	359+06.00	SBPL	EL	LT	2145.0		2145.0	2145.0
359+06.00	359+44.00	RADIUS	EL	LT	112.0		112.0	112.0
361+26.00	361+61.00	RADIUS	EL	LT	111.0		111.0	111.0
361+26.00	365+61.00	SBPL LTL	LL	LT	435.0		435.0	435.0
365+61.00	396+86.00	SBPL	EL	LT	3125.0		3125.0	3125.0
391+40.00	391+83.00	RADIUS	EL	LT	95.0		95.0	95.0
392+51.00	392+95.00	RADIUS	EL	LT	95.0		95.0	95.0
392+51.00	396+86.00	SBPL LTL	EL	LT	435.0		435.0	435.0
396+86.00	409+00.00	SBPL	EL	LT	1214.0		1214.0	1214.0
J-TURN OMISSION								
428+50.00	435+18.00	SBPL	EL	LT	668.0		668.0	668.0
435+18.00	437+37.00	SBPL LLEXT	DD	LT	219.0		54.8	54.8
434+48.00	435+18.00	RADIUS	EL	LT	95.0		95.0	95.0
436+79.00	437+37.00	RADIUS	EL	LT	131.0		131.0	131.0
437+37.00	467+30.96	SBPL	EL	LT	2994.0		2994.0	2994.0
STA. EQ.: STA. 467+30.96 (BK.) = STA. 1480+00.00 (AH.)								
1480+00.00	1484+34.00	SBPL	EL	LT	434.0		434.0	434.0
1484+34.00	1484+28.00	RADIUS	EL	LT	113.0		113.0	113.0
1486+09.00	1486+16.00	RADIUS	EL	LT	113.0		113.0	113.0
1486+16.00	1490+51.00	SBPL LTL	EL	LT	435.0		435.0	435.0
1490+51.00	1516+97.00	SBPL	EL	LT	2646.0		2646.0	2646.0
1511+45.00	1511+95.00	RADIUS	EL	LT	101.0		101.0	101.0
1512+62.00	1513+12.00	RADIUS	EL	LT	105.0		105.0	105.0
1512+62.00	1516+97.00	SBPL LTL	EL	LT	435.0		435.0	435.0
1516+97.00	1544+40.00	SBPL	EL	LT	2743.0		2743.0	2743.0
1538+88.00	1539+38.00	RADIUS	EL	LT	104.0		104.0	104.0
1540+05.00	1540+55.00	RADIUS	EL	LT	100.0		100.0	100.0
1540+05.00	1544+40.00	SBPL LTL	EL	LT	435.0		435.0	435.0
1544+40.00	1716+44.00	SBPL	EL	LT	17204.0		17204.0	17204.0
US 51 SB SUBTOTAL =						46386.8	51651.7	98038.5
US 51 TOTALS =						93201.5	101243.7	-
US 51 GRAND TOTAL =						194445.1		194445.1
ROUND TO =						194450		194450

EL = EDGE LINE

LL = LANE LINE

DD = DOTTED DASH

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Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 13 OF 16 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	25
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

THERMOPLASTIC PAVEMENT MARKING - LINE 6''

STATIONING FROM	STATIONING TO	LOCATION	DESC.	LT/RT/CL	LENGTH (FEET)	THERMOPLASTIC PAVEMENT MARKING - LINE 6'' (FOOT) WHITE	GROOVING FOR RECESSED PAVEMENT MARKING - 7'' (FOOT)
NORTHBOUND							
271+53.00	273+59.00	NBDL RTL	EL	RT	206.0	206.0	206.0
357+37.00	359+48.00	NBDL RTL	EL	RT	211.0	211.0	211.0
1482+91.00	1484+94.00	NBDL RTL	EL	RT	203.0	203.0	203.0
270+51.00	273+25.00	NBPL LTL	LL	RT	274.0	274.0	274.0
357+38.00	359+68.00	NBPL LTL	LL	RT	230.0	230.0	230.0
415+77.00	418+12.00	NBPL LTL	LL	RT	235.0	235.0	235.0
432+42.00	434+79.00	NBPL LTL	LL	RT	237.0	237.0	237.0
1482+23.00	1484+54.00	NBPL LTL	EL	RT	231.0	231.0	231.0
273+76.00	274+84.00	NBPL LLEXT	LL	RT	108.0	27.0	27.0
360+08.00	361+61.00	NBPL LLEXT	LL	RT	153.0	38.3	38.3
418+61.00	418+93.00	NBPL LLEXT	LL	RT	32.0	8.0	8.0
434+79.00	436+79.00	NBPL LLEXT	LL	RT	200.0	50.0	50.0
1485+06.00	1486+09.00	NBPL LLEXT	LL	RT	103.0	25.8	25.8
			US 51 NB SUBTOTAL =			1,976.0	1,976.0
SOUTHBOUND							
274+39.00	276+30.00	SBDL RTL	EL	LT	191.0	191.0	191.0
361+20.00	363+26.00	SBDL RTL	EL	LT	206.0	206.0	206.0
436+48.00	438+25.00	SBDL RTL	EL	LT	177.0	177.0	177.0
1485+55.00	1487+65.00	SBDL RTL	EL	LT	210.0	210.0	210.0
274+58.00	277+31.00	SBPL LTL	LL	LT	273.0	273.0	273.0
361+07.00	363+32.00	SBPL LTL	EL	LT	225.0	225.0	225.0
419+52.00	421+87.00	SBPL LTL	LL	LT	235.0	235.0	235.0
1485+89.00	1488+21.00	SBPL LTL	LL	LT	232.0	232.0	232.0
273+02.00	274+08.00	SBPL LLEXT	LL	LT	106.0	26.5	26.5
359+06.00	360+67.00	SBPL LLEXT	LL	LT	161.0	40.3	40.3
418+70.00	419+02.00	SBPL LLEXT	LL	LT	32.0	8.0	8.0
1484+34.00	1485+38.00	SBPL LLEXT	LL	LT	104.0	26.0	26.0
			US 51 SB SUBTOTAL =			1849.8	1849.8
			US 51 GRAND TOTAL =			3,825.8	3,825.8
			ROUND TO =			3,826.0	3,826.0

THERMOPLASTIC PAVEMENT MARKING - LINE 8''

INTERSECTIONS AND STATIONING FROM	INTERSECTIONS AND STATIONING TO	LANE	DESC.	LT/RT/CL	THERMOPLASTIC PAVEMENT MARKING - LINE 8'' (FOOT)	GROOVING FOR RECESSED PAVEMENT MARKING 9'' (FOOT)
WALKER RD.		-	ISLAND	-	379	379
WALL ST. & WOODCOCK RD.		-	ISLAND	-	504	504
WALL ST.		-	ISLAND	-	-	-
GABRIEL RD.		-	ISLAND	-	373	373
1598+02.00	1602+52.00	NBDL	EL	RT	450	450
20+24.00	24+73.00	RAMP E	EL	LT	449	449
1709+13.00	1712+68.00	NBDL	EL	RT	355	355
898+11.00	901+68.00	RAMP D	EL	LT	357	357
1603+17.00	1618+19.00	SBDL	EL	LT	1,502	1,502
23+82.00	39+02.00	RAMP F	EL	RT	1,520	1,520
1705+81.00	1710+33.00	SBDL	EL	LT	452	452
216+80.00	221+21.00	RAMP A	EL	RT	441	441
			TOTAL =		6,782	6,782

THERMOPLASTIC PAVEMENT MARKING - LINE 12''

INTERSECTIONS AND STATIONING FROM	INTERSECTIONS AND STATIONING TO	LANE	DESC.	LT/RT/CL	THERMOPLASTIC PAVEMENT MARKING - LINE 12'' (FOOT)	GROOVING FOR RECESSED PAVEMENT MARKING 13'' (FOOT)
WALKER RD.		-	ISLAND	-	100	100
WALL ST. & WOODCOCK RD.		-	ISLAND	-	264	264
WALL ST.		-	ISLAND	-	-	-
GABRIEL RD.		-	ISLAND	-	119	119
1598+02.00	1602+52.00	NB	GORE	RT	214	214
1603+17.00	1618+19.00	SB	GORE	LT	1,081	1,081
			TOTAL =		1,778	1,778
			ROUND TO =		2,000	2,000

SCHEDULE OF QUANTITIES

THERMOPLASTIC PAVEMENT MARKING - LINE 24''/LETTERS & SYMBOLS

INTERSECTION	THERMOPLASTIC PAVEMENT MARKING - LINE 24'' (FOOT)	GROOVING FOR RECESSED PAVEMENT MARKING 25'' (FOOT)	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (SQ FT)	GROOVING FOR THERMOPLASTIC PAVEMENT MARKING, LETTERS, NUMBERS AND SYMBOLS (SQ FT)
WALKER RD.	27	27	125.0	125.0
WALL ST. & WOODCOCK RD.	30	30	125.0	125.0
WALL ST.	29	29	62.0	62.0
GABRIEL RD.	49	49	125.0	125.0
TOTAL =	135	135	437.0	437.0
ROUND TO =	160	160	437	437

PREFORMED PLASTIC PAVEMENT MARKING - LINE 6''

STATIONING FROM	STATIONING TO	LOCATION	DESC.	LT/RT/CL	LENGTH (FEET)	PREFORMED PLASTIC PAVEMENT MARKING - LINE 6'' (FOOT)
212+84.00	279+58.00	NB LANES	CL SD	RT	6674.0	1668.5
OMISSION S.N. 058-0125						
281+08.00	409+00.00	NB LANES	CL SD	RT	12792.0	3198.0
J-TURN OMISSION						
428+50.00	467+30.96	NB LANES	CL SD	RT	3881.0	970.2
STA. EQ.: STA 467+30.96 (BK) = STA 1480+00 (AH)						
1480+00.00	1716+44.00	NB LANES	CL SD	RT	23644.0	5911.0
3+00.00	24+23.00	RAMP E	RAMP SD	RT	2123.0	530.8
				US 51 NB SUBTOTAL=		12278.5
212+84.00	279+35.00	SB LANES	CL SD	LT	6651.0	1662.8
PAVING OMISSION S.N. 058-0125						
280+84.00	409+00.00	SB LANES	CL SD	LT	12816.0	3204.0
J-TURN OMISSION						
428+50.00	467+30.96	SB LANES	CL SD	LT	3881.0	970.2
STA. EQ.: STA 467+30.96 (BK.) = STA 1480+00.00 (AH.)						
1480+00.00	1716+44.00	SB LANES	CL SD	LT	23644.0	5911.0
06+00.00	38+52.00	RAMP F	RAMP SD	LT	3252.0	813.0
				US 51 SB SUBTOTAL=		12561.0
				TOTAL =		24839.5
				ROUND TO =		24840

SCHEDULE OF QUANTITIES

GUARDRAIL

STATIONING		LOCATION	SIDE	STEEL PLATE BEAM GUARDRAIL, TYPE A 6 FOOT POSTS (FOOT)	TRAFFIC TERMINAL BARRIER, TYPE I (SPECIAL) TANGENT (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 2 (EACH)	GUARDRAIL REFLECTORS, TYPE A (EACH)	TERMINAL MARKER - DIRECT APPLIED (EACH)
FROM	TO	NORTHBOUND						
1575+38.5	1577+38.5	US 51	RT	187.5	1	1	3	1
17+41	19+80	RAMP E	RT	225	1	1	4	1
			TOTALS:	412.5	2	2	7	2

AGGREGATE WEDGE SHOULDER, TYPE B

LOCATION	WIDTH (FEET)	WEDGE THICKNESS (INCH)	AGGREGATE WEDGE SHOULDER, TYPE B (TON)
NORTHBOUND DL	2.0	0.875	482.7
RAMP E	2.0	0.875	29.6
RAMP D	2.0	0.875	13.8
NORTHBOUND PL	2.0	0.875	509.1
SOUTHBOUND DL	2.0	0.875	471.0
RAMP F	2.0	0.875	50.2
RAMP A	2.0	0.875	13.3
SOUTHBOUND PL	2.0	0.875	509.2
		TOTAL =	2,078.9
		ROUND TO:	2,079.0

PUBLIC ROAD APPROACHES

STATION	INTERSECTION	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL) (SQ YD)	INCIDENTAL HOT-MIX ASPHALT SURFACING (TON)	BITUMINOUS MATERIALS TACK COAT (POUND)
NORTHBOUND				
273+92	WALKER RD	398.7	33.5	269.1
360+35	WOODCOCK RD	663.6	55.7	447.9
1485+22	GABRIELLE RD	617.4	51.9	416.8
	NB SUBTOTAL =	1,679.7	141.1	1,133.8
SOUTHBOUND				
273+92	WALKER RD	508.2	42.7	343.1
360+35	WALL ST	590.6	49.6	398.7
435+94	WALL ST	690.6	58.0	466.2
1485+22	GABRIELLE RD	571.5	48.0	385.8
	SB SUBTOTAL =	2,360.9	198.3	1,593.6
	PROJECT TOTAL =	4041	339	2,727.4

SCHEDULE OF QUANTITIES

LONGITUDINAL JOINT SEALANT - MAINLINE

DESCRIPTION	LT/RT/CL	LOCATION	STATION FROM	STATION TO	LENGTH (FEET)	LONGITUDINAL JOINT SEALANT (FOOT)
CL	RT	NB LANES	212+84.00	279+58.00	6,674.0	6,674.0
PAVING OMISSION S.N. 058-0125						
CL	RT	NB LANES	281+08.00	409+00.00	12,792.0	12,792.0
CL	RT	NB LANES	428+50.00	467+30.96	3,881.0	3,881.0
STATION EQUATION: STA. 467+30.96 (BK.) = STA. 1480+00.00 (AH.)						
CL	RT	NB LANES	1480+00.00	1716+44.00	23,644.0	23,644.0
RAMP CL	RT	RAMP E	03+00.00	17+92.00	1,492.0	1,492.0
RAMP CL	RT	RAMP E	17+92.00	24+23.00	631.0	631.0
				US 51 NB SUBTOTAL =		45,233.0
CL	LT	SB LANES	212+84.00	279+69.00	6,685.0	6,685.0
PAVING OMISSION S.N. 058-0125						
CL	LT	SB LANES	280+84.00	467+30.96	18,647.0	18,647.0
STATION EQUATION: STA. 467+30.96 (BK.) = STA. 1480+00.00 (AH.)						
CL	LT	SB LANES	1480+00.00	1716+44.00	23,644.0	23,644.0
RAMP CL	LT	RAMP F	06+00.00	16+00.00	96.0	96.0
RAMP CL	LT	RAMP F	16+00.00	30+00.00	96.0	96.0
RAMP CL	LT	RAMP F	30+00.00	38+52.00	852.0	852.0
				US 51 SB SUBTOTAL =		50,020.0

LONGITUDINAL JOINT SEALANT - NORTHBOUND TURNLANES

DESCRIPTION	LT/RT/CL	LOCATION	STATION FROM	STATION TO	LENGTH (FEET)	LONGITUDINAL JOINT SEALANT (FOOT)
US 51 NB						
LTL	LT	NB LANES	213+35.00	220+42.00	707.0	707.0
LTL	LT	NB LANES	243+69.00	249+17.00	548.0	548.0
LTL	LT	NB LANES	268+21.00	274+84.00	663.0	663.0
RTL	RT	NB LANES	269+23.00	274+84.00	561.0	561.0
LTL	LT	NB LANES	296+12.00	301+60.00	548.0	548.0
LTL	LT	NB LANES	328+20.00	333+69.00	549.0	549.0
LTL	LT	NB LANES	355+08.00	361+61.00	653.0	653.0
RTL	RT	NB LANES	355+07.00	361+61.00	654.0	654.0
LTL	LT	NB LANES	430+12.00	436+79.00	667.0	667.0
LTL	LT	NB LANES	1480+61.00	1486+09.00	548.0	548.0
RTL	RT	NB LANES	1480+61.00	1486+09.00	548.0	548.0
LTL	LT	NB LANES	1507+60.00	1513+12.00	552.0	552.0
LTL	LT	NB LANES	1535+03.00	1540+55.00	552.0	552.0
				US 51 NB SUBTOTAL =		7,750.0

US 51 NB SUBTOTAL =	45,233.0
US 51 SB SUBTOTAL =	50,020.0
NB TURNLANE TOTAL =	7,750.0
SB TURNLANE TOTAL =	8,198.0
GRAND TOTAL =	111,201.0
ROUND TO:	111,201.0

LONGITUDINAL JOINT SEALANT - SOUTHBOUND TURNLANES

DESCRIPTION	LT/RT/CL	LOCATION	STATION FROM	STATION TO	LENGTH (FEET)	LONGITUDINAL JOINT SEALANT (FOOT)
US 51 SB						
LTL	LT	SB LANES	217+86.00	225+21.00	735.0	735.0
LTL	LT	SB LANES	247+60.00	253+09.00	549.0	549.0
LTL	LT	SB LANES	273+25.00	279+35.00	610.0	610.0
RTL	RT	SB LANES	273+25.00	278+62.00	537.0	537.0
LTL	LT	SB LANES	300+03.00	305+52.00	549.0	549.0
LTL	LT	SB LANES	332+12.00	337+61.00	549.0	549.0
LTL	LT	SB LANES	359+06.00	365+61.00	655.0	655.0
RTL	RT	SB LANES	359+06.00	365+56.00	650.0	650.0
LTL	LT	SB LANES	391+40.00	396+86.00	546.0	546.0
RTL	RT	SB LANES	435+18.00	440+54.00	536.0	536.0
LTL	LT	SB LANES	1484+34.00	1490+51.00	617.0	617.0
RTL	RT	SB LANES	1484+34.00	1489+95.00	561.0	561.0
LTL	LT	SB LANES	1511+45.00	1516+97.00	552.0	552.0
LTL	LT	SB LANES	1538+88.00	1544+40.00	552.0	552.0
				US 51 SB SUBTOTAL =		8,198.0

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	29
		CONTRACT NO. 74779		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

RAISED REFLECTIVE PAVEMENT MARKERS

DESCRIPTION	LT/RT/CL	LOCATION	STATION FROM	STATION TO	LENGTH (FEET)	RAISED REFLECTIVE PAVEMENT MARKER (CRYSTAL) (EACH)
US 51 NORTHBOUND						
LANE LINE	RT	NBDL RTL	271+53.00	273+32.00	179.0	4.0
LANE LINE	RT	NBDL RTL	357+38.00	359+17.00	179.0	4.0
LANE LINE	RT	NBDL RTL	1482+91.00	1484+65.00	174.0	4.0
LANE LINE	RT	NBPL LTL	270+51.00	272+58.00	207.0	5.0
LANE LINE	RT	NBPL LTL	357+38.00	359+70.00	232.0	6.0
LANE LINE	RT	NBPL LTL	432+42.00	435+21.00	279.0	7.0
LANE LINE	RT	NBPL LTL	1482+23.00	1484+54.00	231.0	6.0
CL SD	RT	NB LANES	212+84.00	279+58.00	6,674.0	167.0
PAVING OMISSION S.N. 058-0125						
CL SD	RT	NB LANES	281+08.00	409+00.00	12,792.0	320.0
J-TURN OMISSION						
CL SD	RT	NB LANES	428+50.00	467+30.96	3,881.0	97.0
STATION EQUATION: STA. 467+30.96 (BK.) = STA. 1480+00.00 (AH.)						
CL SD	RT	NB LANES	1480+00.00	1716+44.00	23,644.0	591.0
RAMP SD	RT	RAMP E	03+00.00	17+92.00	1,492.0	19.0
RAMP SD	RT	RAMP E	17+92.00	24+23.00	631.0	8.0
				US 51 NB SUBTOTAL =		1,141.0
LANE LINE	LT	SBDL RTL	274+44.00	276+30.00	186.0	5.0
LANE LINE	LT	SBDL RTL	361+50.00	363+26.00	176.0	4.0
LANE LINE	LT	SBDL RTL	436+48.00	438+25.00	177.0	4.0
LANE LINE	LT	SBDL RTL	1485+82.00	1487+65.00	183.0	5.0
LANE LINE	LT	SBPL LTL	275+24.00	277+31.00	207.0	5.0
LANE LINE	LT	SBPL LTL	361+26.00	363+32.00	206.0	5.0
LANE LINE	LT	SBPL LTL	419+80.00	421+87.00	207.0	5.0
LANE LINE	LT	SBPL LTL	1486+16.00	1488+21.00	205.0	5.0
CL SD	LT	SB LANES	212+84.00	279+69.00	6,685.0	167.0
PAVING OMISSION S.N. 058-0125						
CL SD	LT	SB LANES	280+84.00	409+00.00	12,816.0	320.0
J-TURN OMISSION						
CL SD	LT	SB LANES	428+50.00	467+30.96	3,881.0	97.0
STATION EQUATION: STA. 467+30.96 (BK.) = STA. 1480+00.00 (AH.)						
CL SD	LT	SB LANES	1480+00.00	1716+44.00	23,644.0	591.0
RAMP SD	LT	RAMP F	06+00.00	16+00.00	96.0	1.0
RAMP SD	LT	RAMP F	16+00.00	30+00.00	96.0	1.0
RAMP SD	LT	RAMP F	30+00.00	38+52.00	852.0	11.0
				US 51 SB SUBTOTAL =		1,129.0

US 51 NB SUBTOTAL =	1,141.0
US 51 SB SUBTOTAL =	1,129.0
GRAND TOTAL =	2,270.0
ROUND TO:	2,270.0

GUARD POSTS

STATION	GUARD POSTS 635400105 EACH
231+26	6
241+39	6
252+93	6
310+74	6
321+52	6
352+21	6
403+16	6
453+65	6
1561+22	6
1639+15	6
TOTAL	60

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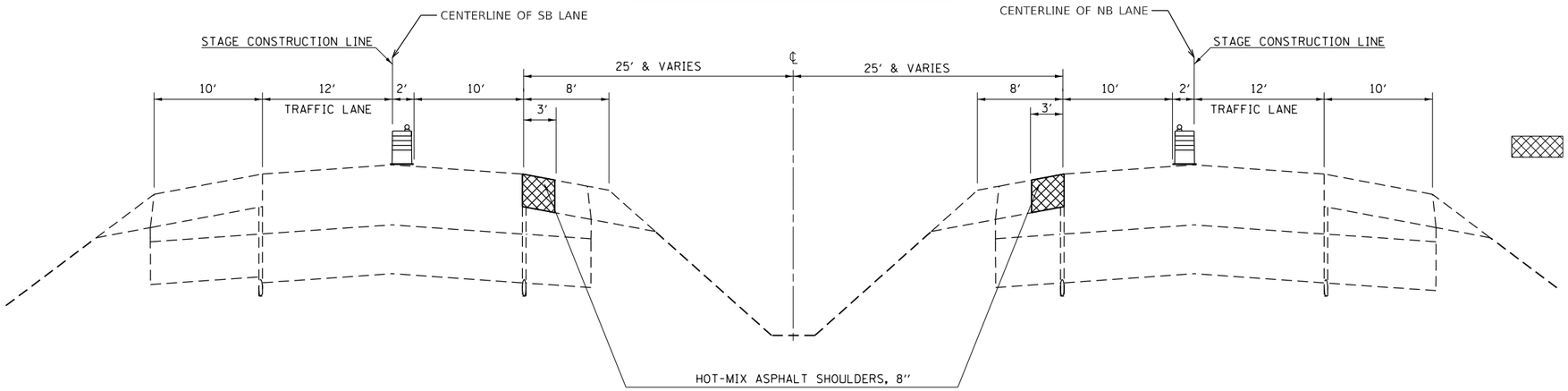
PLOT DATE = 1/29/2020	DATE -	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	30
		CONTRACT NO. 74779		
	ILLINOIS	FED. AID PROJECT		

NOTE: TEMPORARY PAVEMENT MARKING - LINE 4" SHALL BE USED TO REPLACE THE EDGELINE AFTER THE COMPLETION OF PRE-STAGE CONSTRUCTION. THE LINE SHOULD BE OFFSET TO ALLOW FOR STAGE 1 CONSTRUCTION.

PRE-STAGE CONSTRUCTION

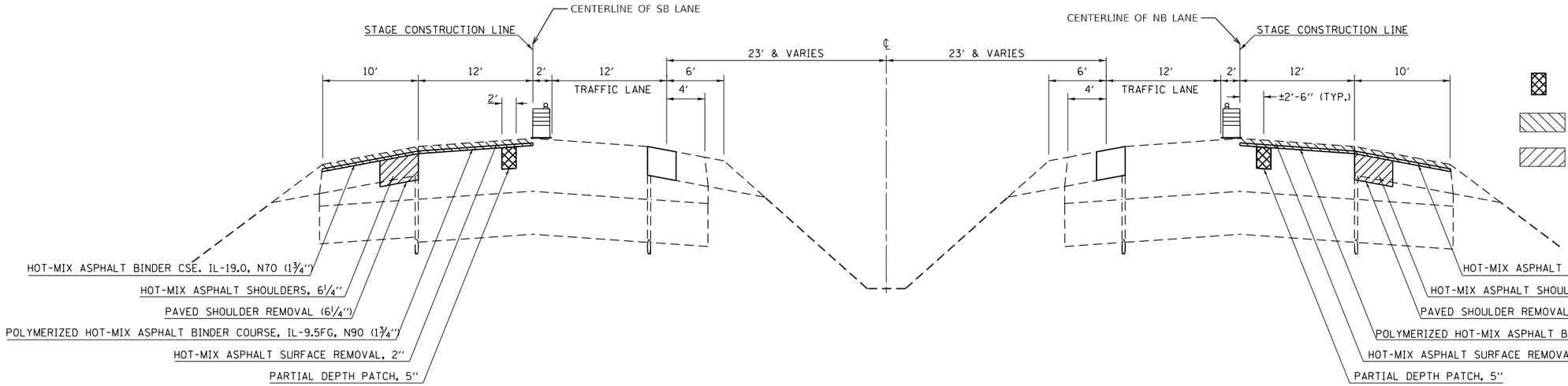


HOT-MIX ASPHALT SURFACE REMOVAL, 8"

NOTE: NOT DRAWN TO SCALE

NOTE: PARTIAL REMOVAL OF THE EXISTING SUBBASE GRANULAR MATERIAL SHALL BE REQUIRED TO CONSTRUCT THE HOT-MIX ASPHALT SHOULDERS, 6¼". THE REMOVAL OF THE SUBBASE GRANULAR MATERIAL SHALL BE INCLUDED IN THE COST FOR PAVED SHOULDER REMOVAL, 6¼".

STAGE 1 CONSTRUCTION



PARTIAL DEPTH PATCH

HOT-MIX ASPHALT SURACE REMOVAL, 2"

PAVED SHOULDER REMOVAL, 6¼"

NOTE: NOT DRAWN TO SCALE

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Default	PLOT DATE = 1/29/2020	CHECKED -	REVISED -
		DATE -	REVISED -

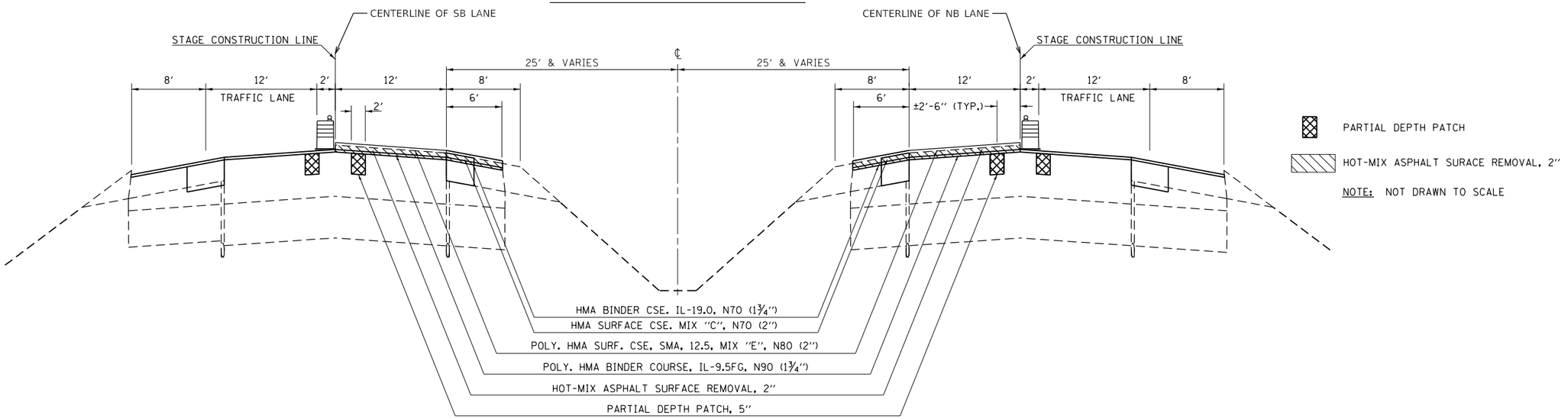
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING TYPICAL CROSS SECTIONS

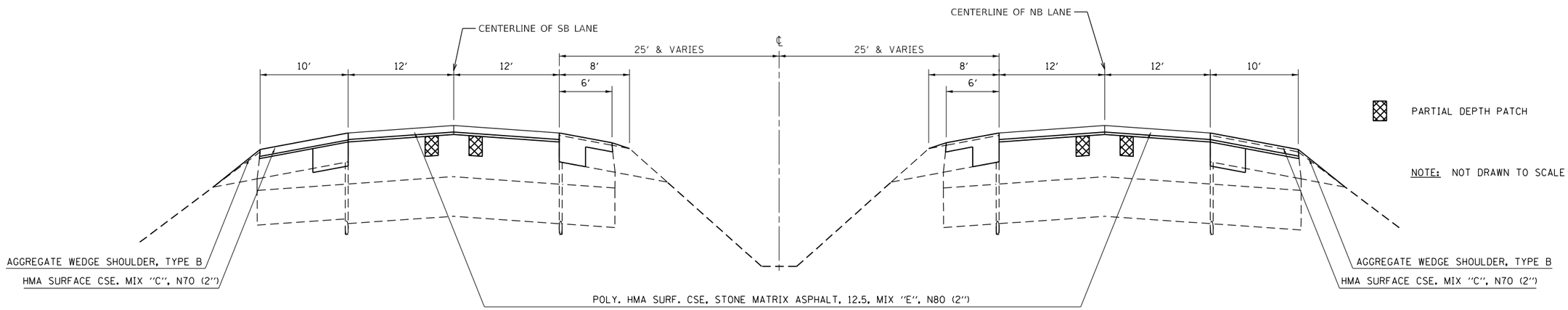
SCALE: N/A | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	31
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

STAGE 2 CONSTRUCTION



STAGE 3 CONSTRUCTION



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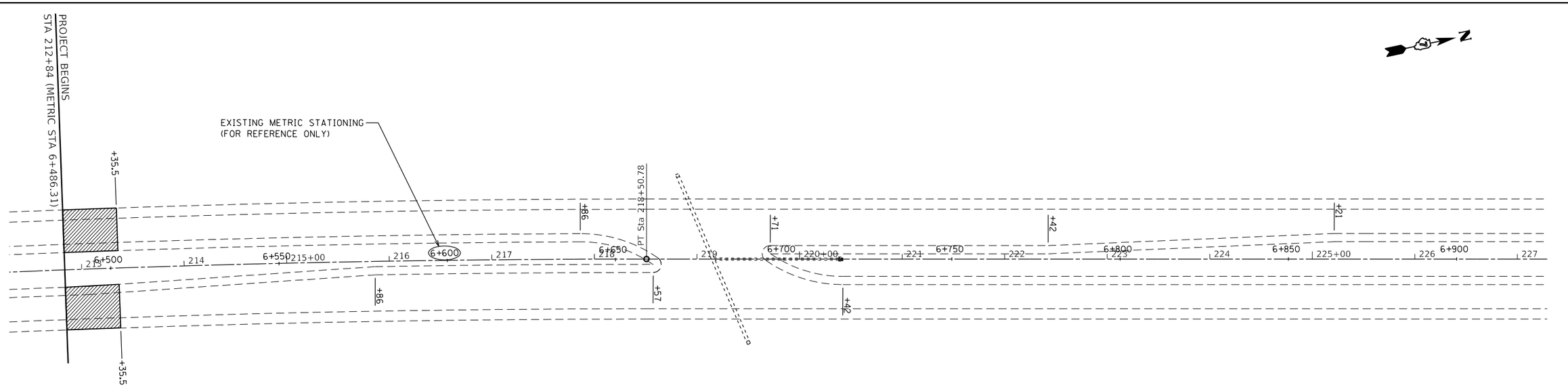
Default	PLOT DATE = 1/29/2020	CHECKED -	REVISED -
		DATE -	REVISED -

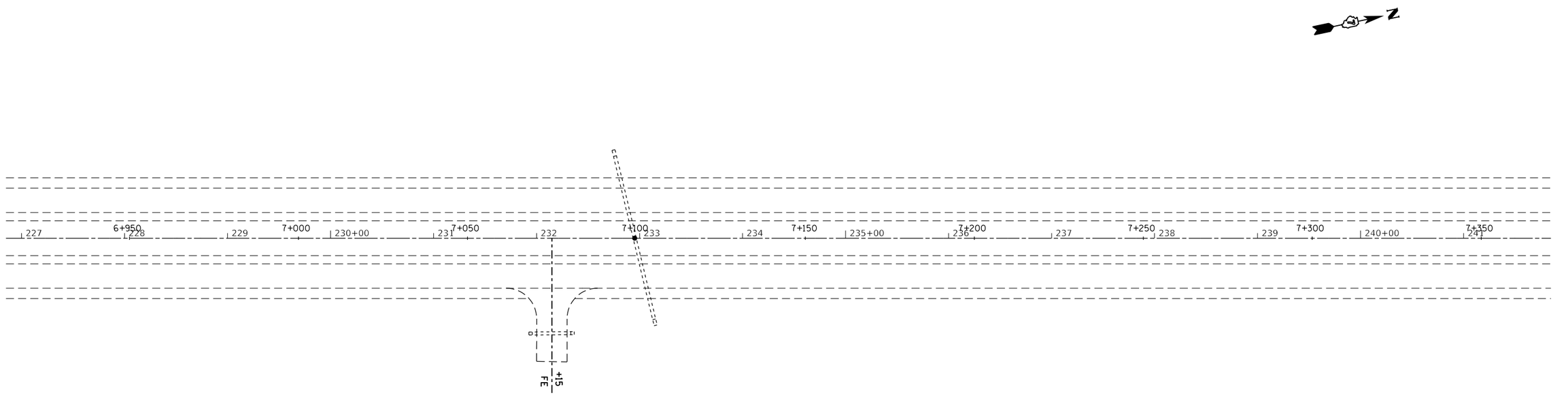
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING TYPICAL CROSS SECTIONS

SCALE: N/A | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	32
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	





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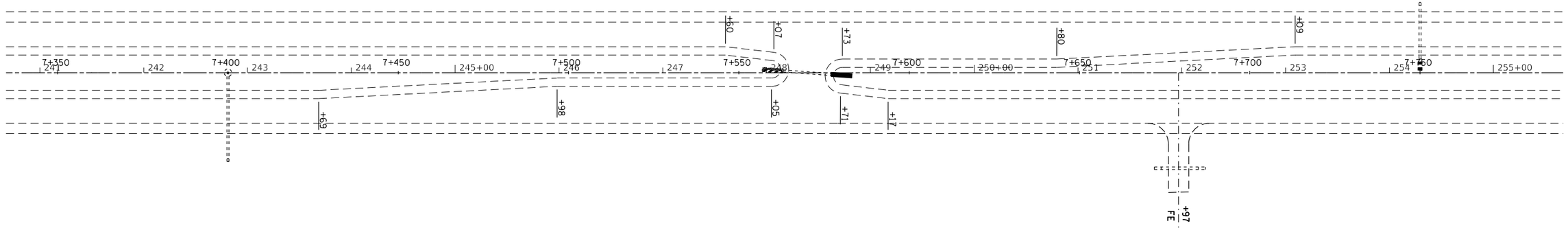
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

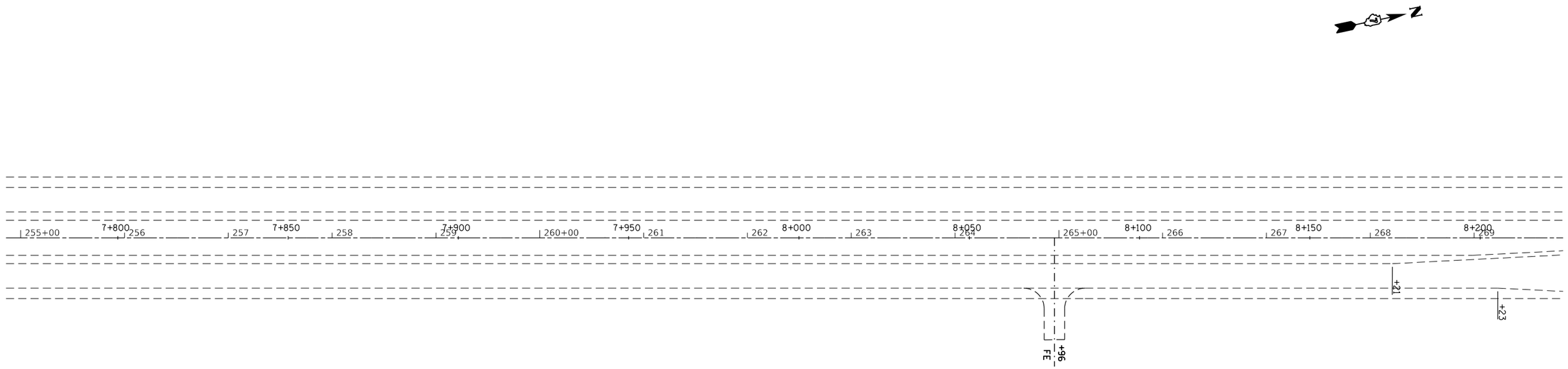
SCALE: 1" = 50' | SHEET 1 OF 18 SHEETS | STA. 212+92 | TO STA. 241+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	33
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	



HMA SURFACE REMOVAL - BUTT JOINT

MILLING TRANSITION



HMA SURFACE REMOVAL - BUTT JOINT

MILLING TRANSITION

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		DRAWN -	REVISED -
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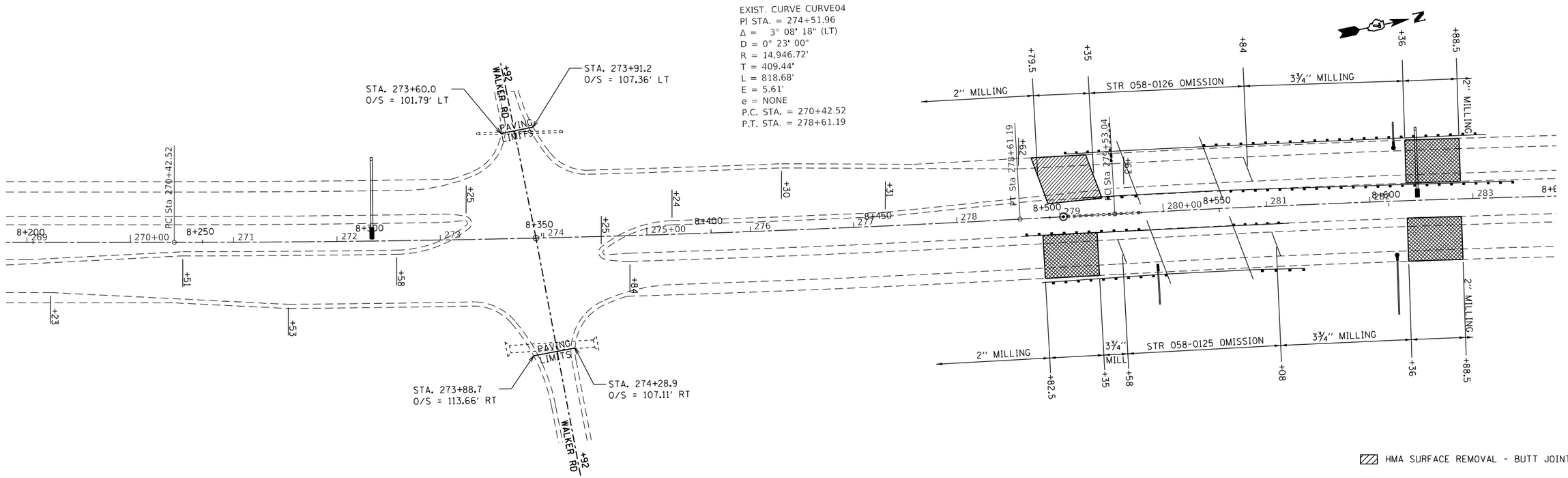
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

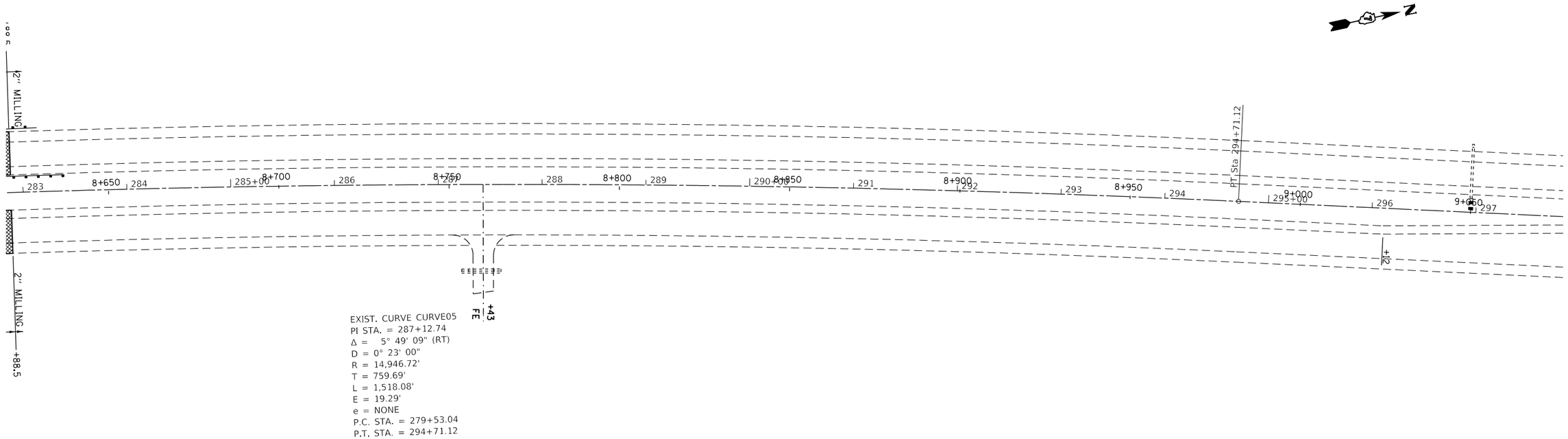
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: 1" = 50' | SHEET 2 OF 18 SHEETS | STA. 241+00 | TO STA. 269+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	34
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	





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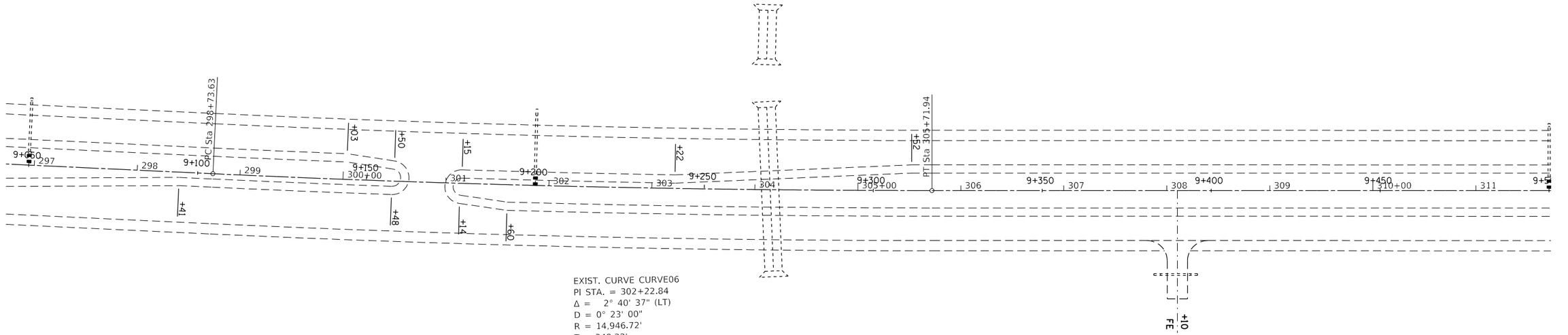
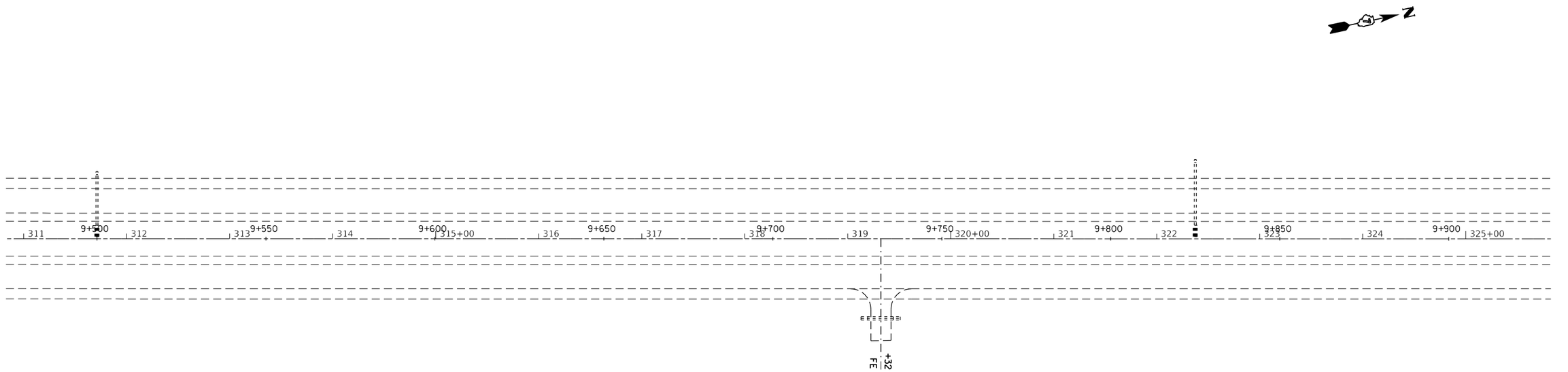
	DRAWN -	REVISED -						322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	35
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -							CONTRACT NO. 74779		
	PLOT DATE = 1/29/2020	DATE -	REVISED -		SCALE: 1" = 50'	SHEET 3 OF 18 SHEETS	STA. 269+00 TO STA. 297+00			ILLINOIS	FED. AID PROJECT	



EXIST. CURVE CURVE06
PI STA. = 302+22.84
Δ = 2° 40' 37" (LT)
D = 0° 23' 00"
R = 14,946.72'
T = 349.22'
L = 698.31'
E = 4.08'
e = NONE
P.C. STA. = 298+73.63
P.T. STA. = 305+71.94

HMA SURFACE REMOVAL - BUTT JOINT

MILLING TRANSITION



HMA SURFACE REMOVAL - BUTT JOINT

MILLING TRANSITION

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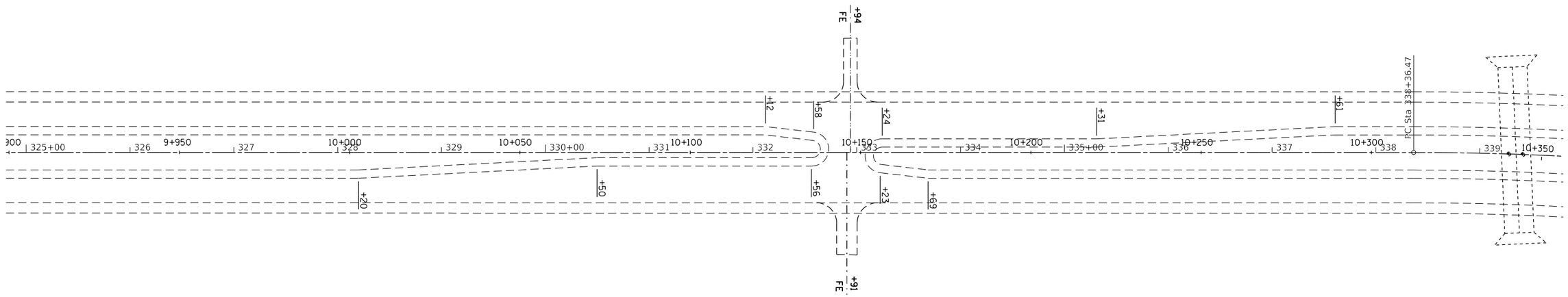
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

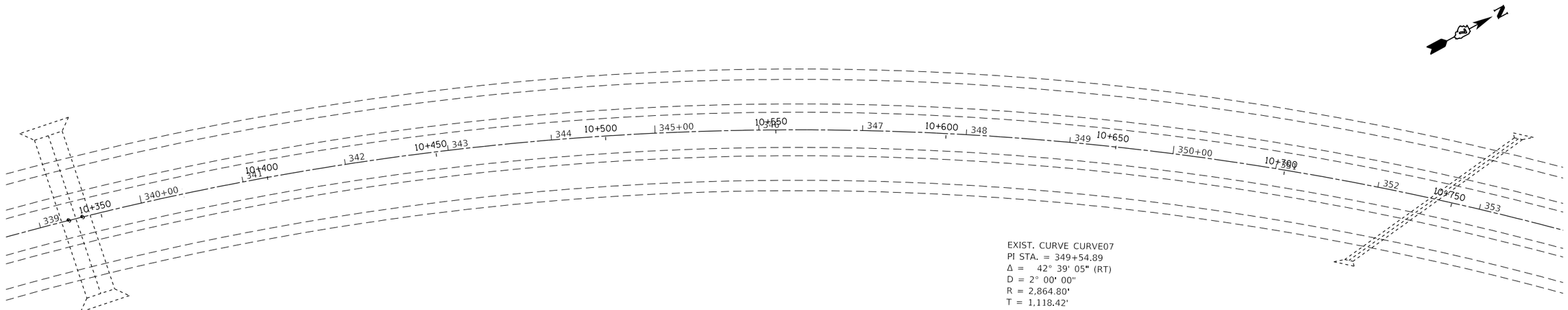
SCALE: 1" = 50' | SHEET 4 OF 18 SHEETS | STA. 297+00 | TO STA. 325+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	36
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	



HMA SURFACE REMOVAL - BUTT JOINT

MILLING TRANSITION



EXIST. CURVE CURVE07
PI STA. = 349+54.89
Δ = 42° 39' 05" (RT)
D = 2° 00' 00"
R = 2,864.80'
T = 1,118.42'
L = 2,132.58'
E = 210.58'
e = 5.5%
S.E. ATTAINED STA 336+66.47 TO STA 339+21.47
S.E. REMOVED STA 358+84.07 TO STA 361+39.07
P.C. STA. = 338+36.47
P.T. STA. = 359+69.05

HMA SURFACE REMOVAL - BUTT JOINT

MILLING TRANSITION

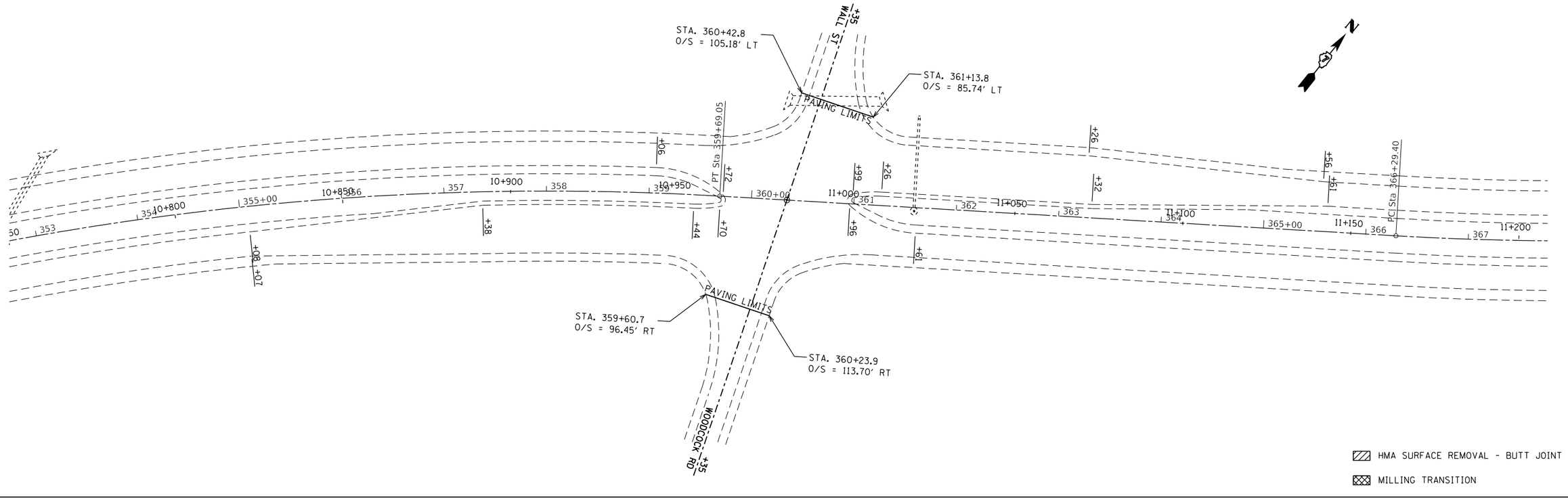
FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 7\Projects\74779\CADData\CADsheets\Default	USER NAME = steffenmk	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2020	DATE -	REVISED -

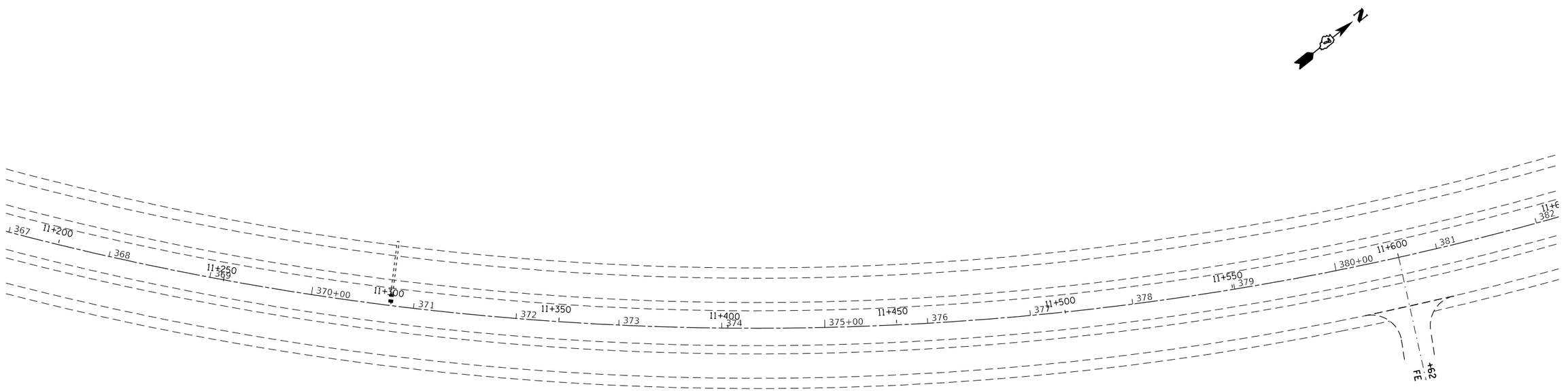
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: 1" = 50' | SHEET 5 OF 18 SHEETS | STA. 325+00 | TO STA. 353+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	37
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	





FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 7\Projects\74779\CADData\CADsheets\74779-sht-plan.dgn	USER NAME = steffenmk	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

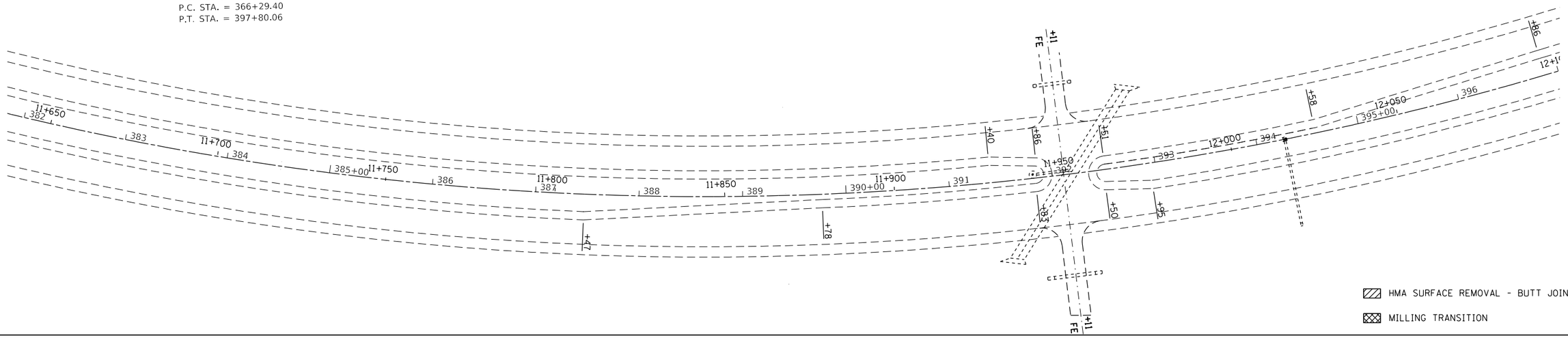
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

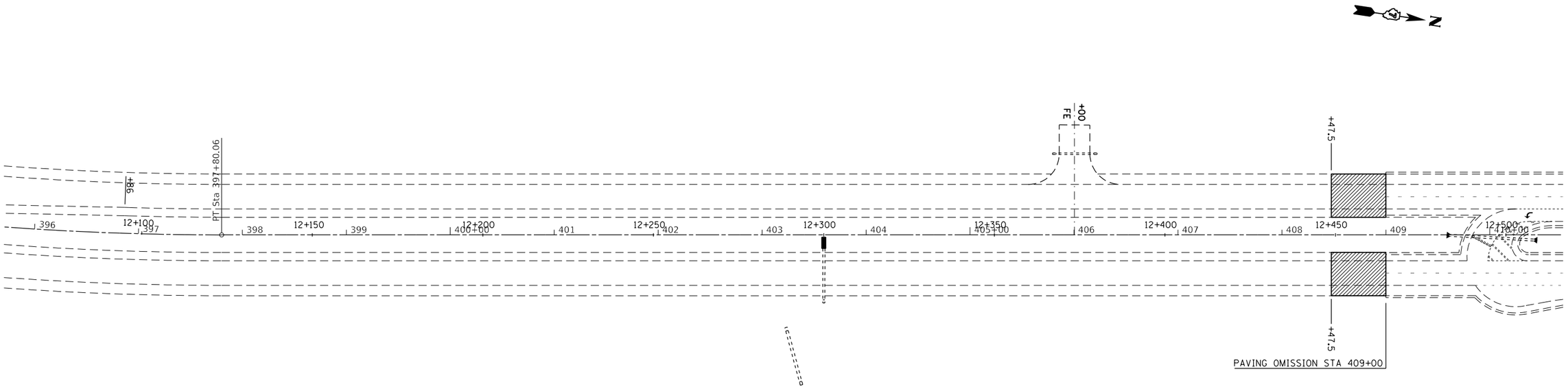
PLAN SHEET

SCALE: 1" = 50' | SHEET 6 OF 18 SHEETS | STA. 353+00 | TO STA. 382+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	38
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

EXIST. CURVE CURVE08
PI STA. = 383+85.40
Δ = 63° 00' 46" (LT)
D = 2° 00' 00"
R = 2,864.80'
T = 1,755.99'
L = 3,150.65'
E = 495.35'
e = 5.5%
S.E. ATTAINED STA 364+59.41 TO STA 367+14.41
S.E. REMOVED STA 396+95.08 TO STA 399+50.08
P.C. STA. = 366+29.40
P.T. STA. = 397+80.06





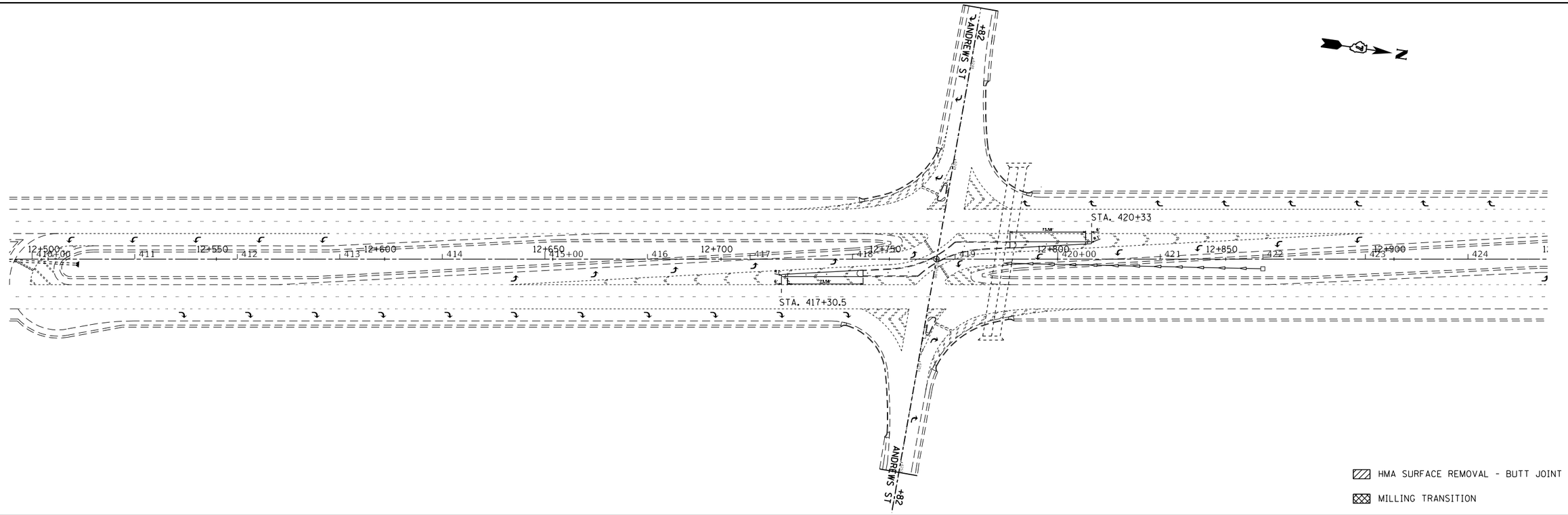
FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 7\Projects\74779\CADData\CADsheets\74779-sht-plan.dgn	USER NAME = steffenmk	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

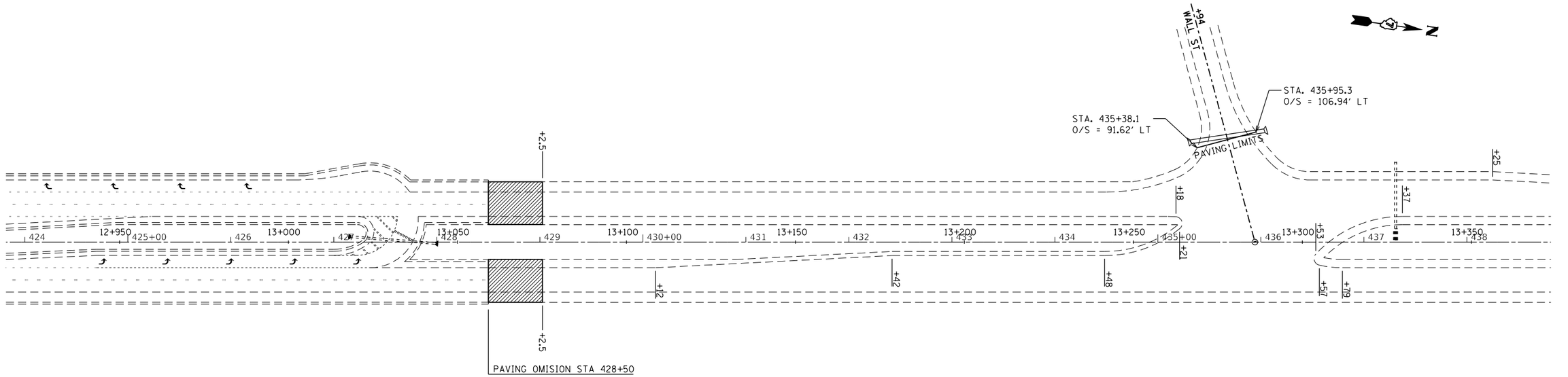
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

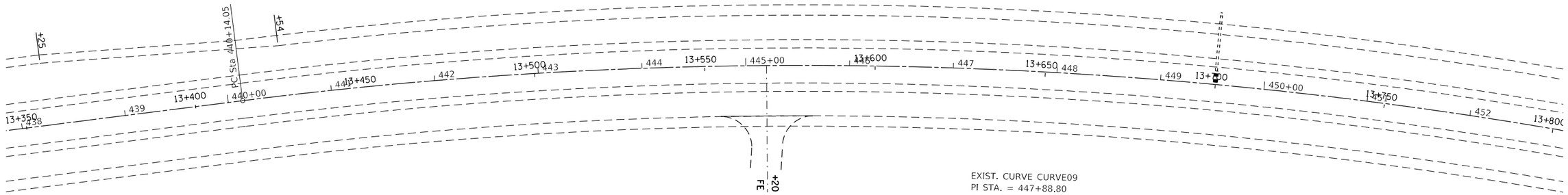
SCALE: 1" = 50' | SHEET 7 OF 18 SHEETS | STA. 382+00 | TO STA. 410+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	39
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	





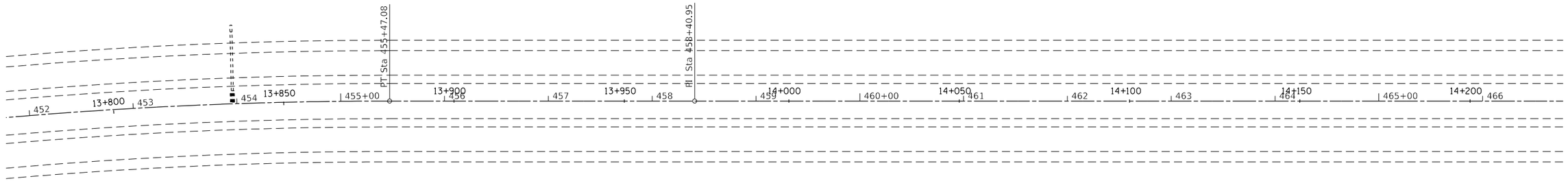
FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 7\Projects\74779\CADData\CADsheets\74779-sht-plan.dgn	USER NAME = steffenmk	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**PLAN SHEET**	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	40
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 74779		
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -		SCALE: 1" = 50' SHEET 8 OF 18 SHEETS STA. 410+00 TO STA. 438+00			ILLINOIS FED. AID PROJECT		



EXIST. CURVE CURVE09
PI STA. = 447+88.80
Δ = 20° 26' 25" (RT)
D = 1° 20' 00"
R = 4,297.18'
T = 774.75'
L = 1,533.03'
E = 69.28'
e = 4.0%
S.E. ATTAINED STA 438+44.06 TO STA 440+99.06
S.E. REMOVED STA 454+62.11 TO STA 457+17.11
P.C. STA. = 440+14.05
P.T. STA. = 455+47.08

HMA SURFACE REMOVAL - BUTT JOINT

MILLING TRANSITION



HMA SURFACE REMOVAL - BUTT JOINT

MILLING TRANSITION

FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\DOT Offices\District 7\Projects\74779\CADData\CADsheets\74779-sht-plan.dgn	USER NAME = steffenmk	DESIGNED -	REVISED -
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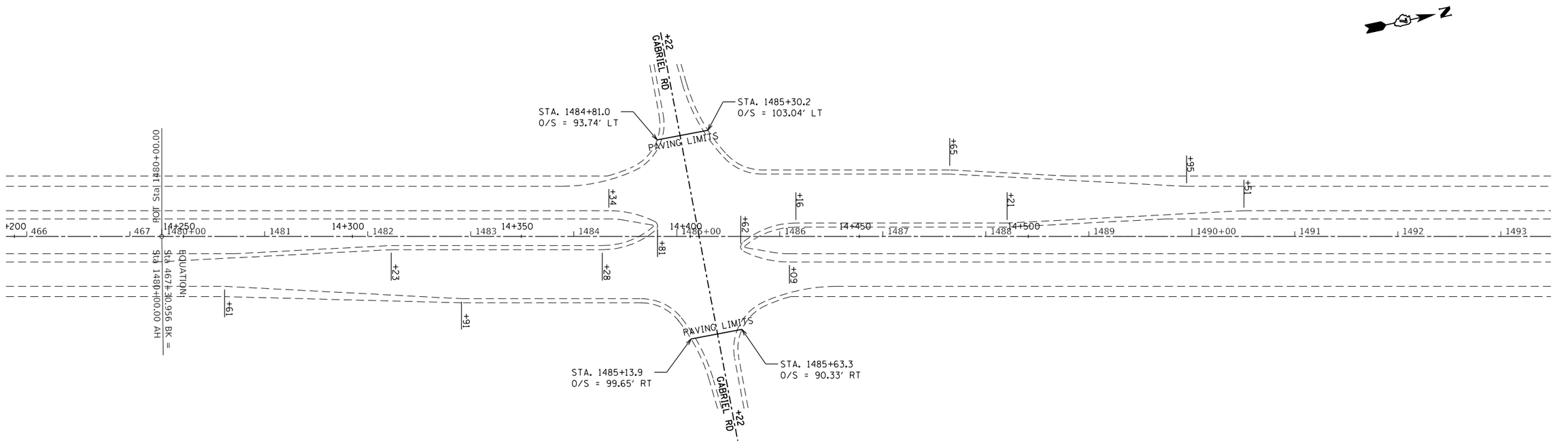
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

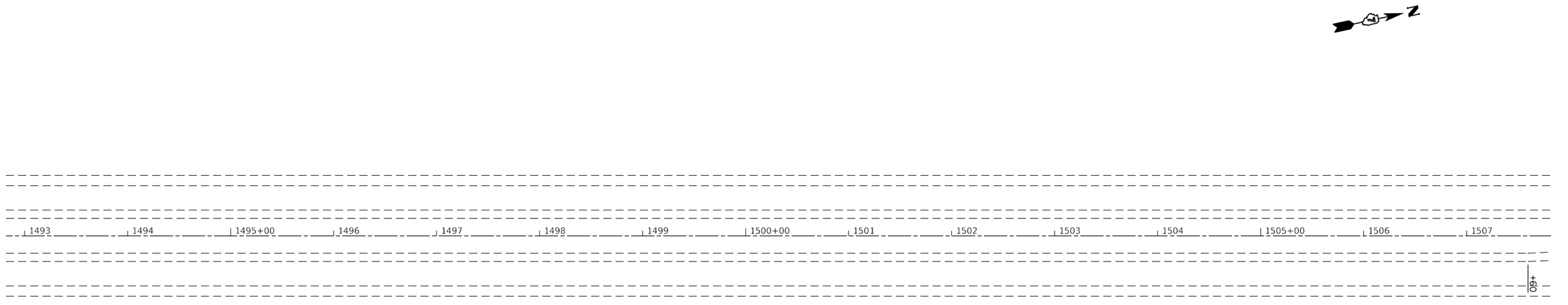
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: 1" = 50' | SHEET 9 OF 18 SHEETS | STA. 438+00 | TO STA. 466+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	41
		CONTRACT NO. 74779		
	ILLINOIS	FED. AID PROJECT		





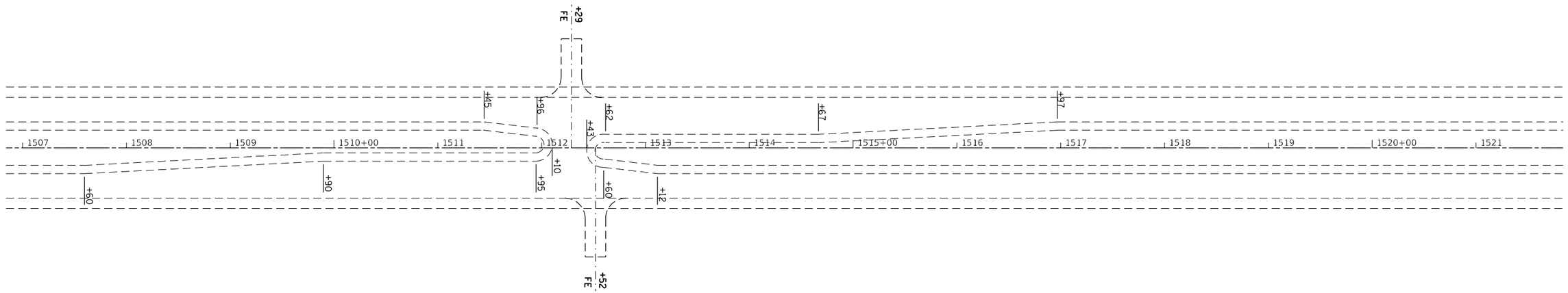
FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 7\Projects\74779\CADData\CADsheets\74779-sht-plan.dgn	USER NAME = steffenmk	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

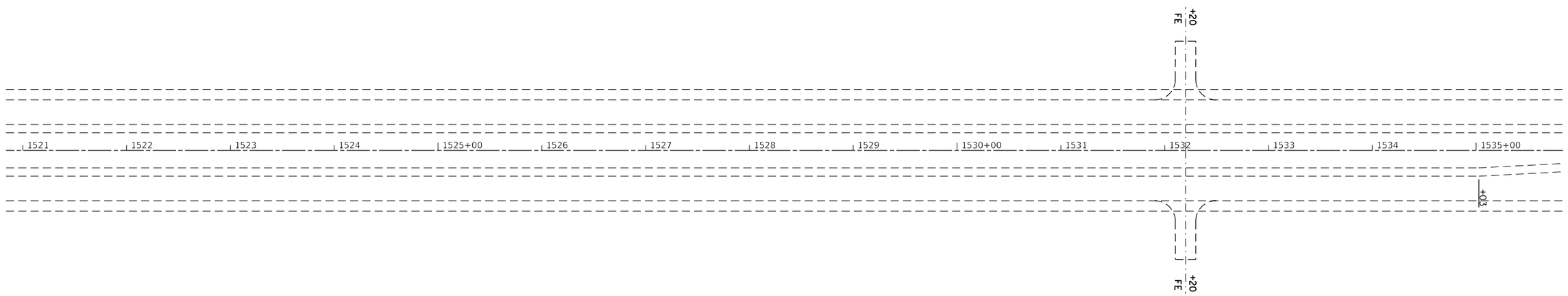
SCALE: 1" = 50' | SHEET 10 OF 18 SHEETS | STA. 466+00 | TO STA. 1507+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	42
		CONTRACT NO. 74779		
	ILLINOIS	FED. AID PROJECT		



HMA SURFACE REMOVAL - BUTT JOINT

MILLING TRANSITION



HMA SURFACE REMOVAL - BUTT JOINT

MILLING TRANSITION

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
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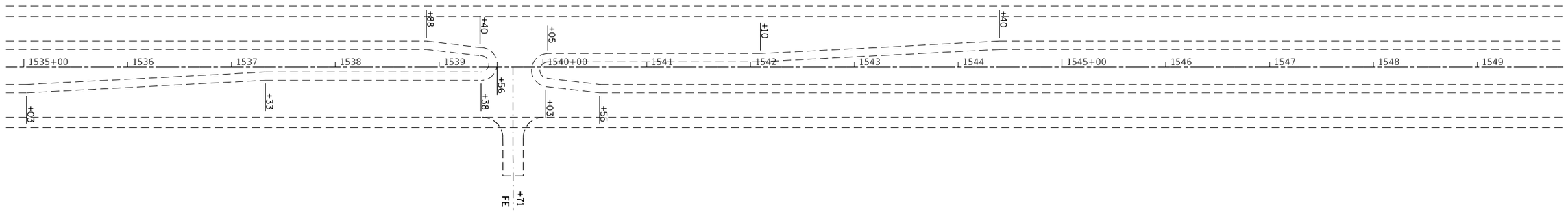
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

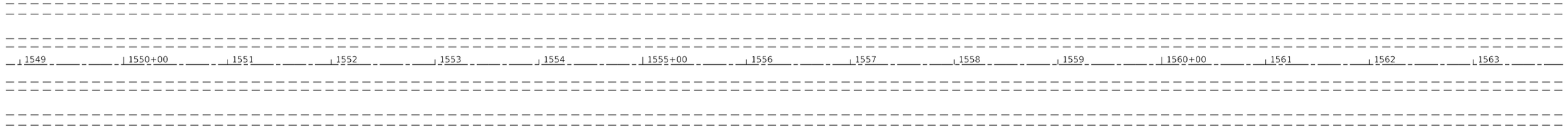
SCALE: 1" = 50' | SHEET 11 OF 18 SHEETS | STA. 1507+00 | TO STA. 1535+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	43
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	



HMA SURFACE REMOVAL - BUTT JOINT

MILLING TRANSITION



HMA SURFACE REMOVAL - BUTT JOINT

MILLING TRANSITION

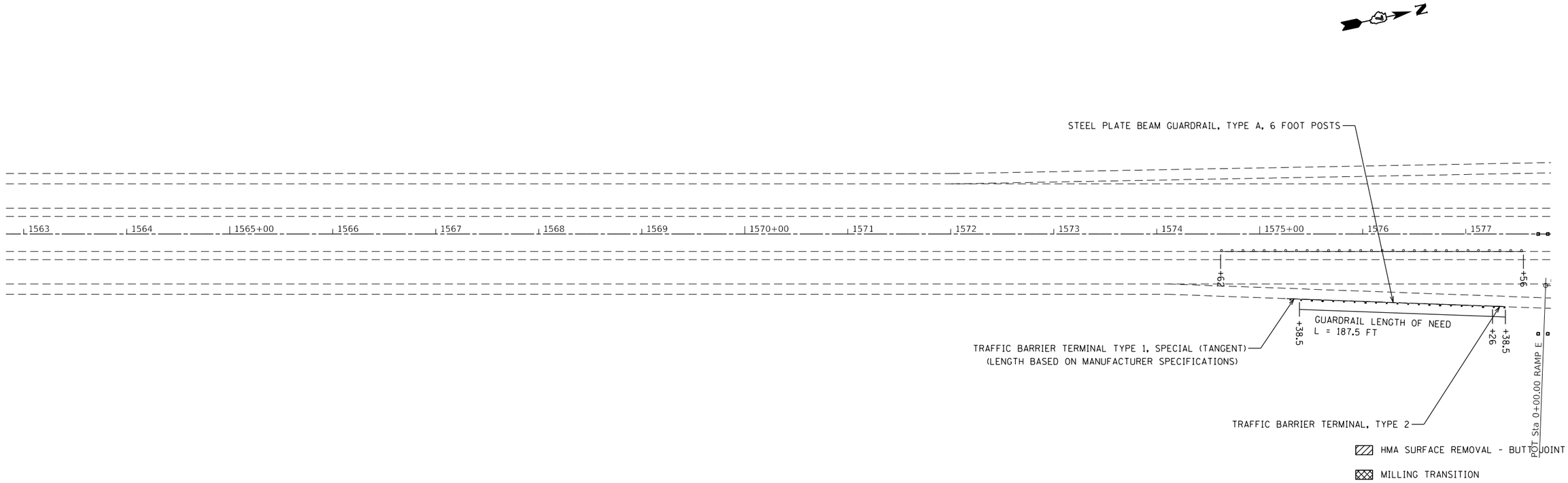
FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 7\Projects\74779\CADData\CADsheets\74779-sht-plan.dgn Default	USER NAME = steffenmk	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2020	DATE -	REVISED -

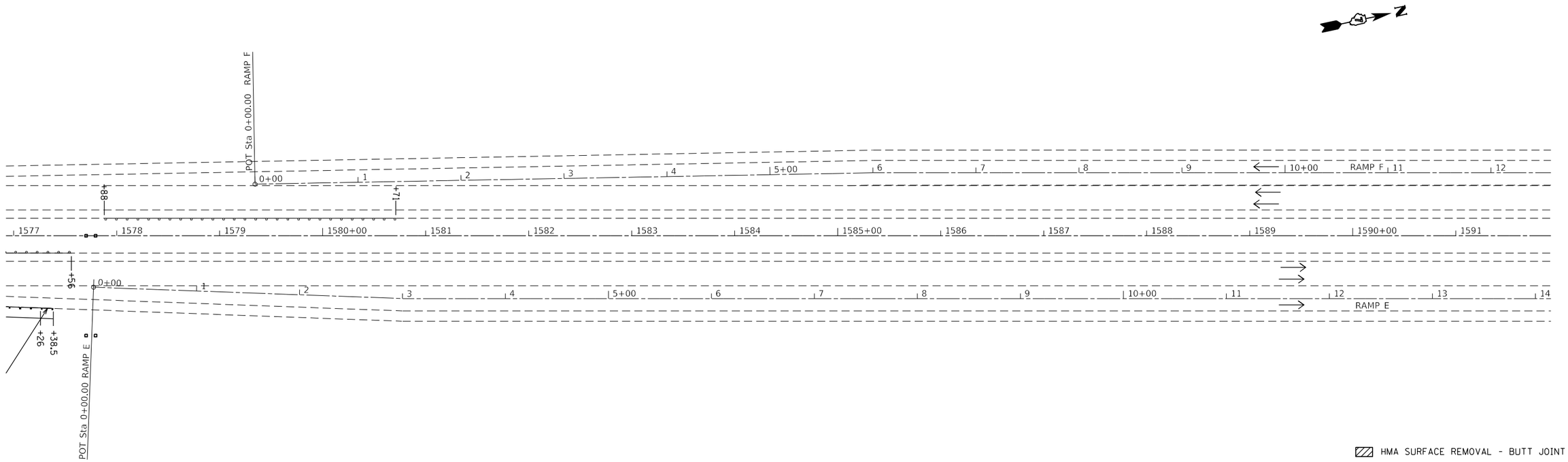
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: 1" = 50' | SHEET 12 OF 18 SHEETS | STA. 1535+00 | TO STA. 1563+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	44
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	





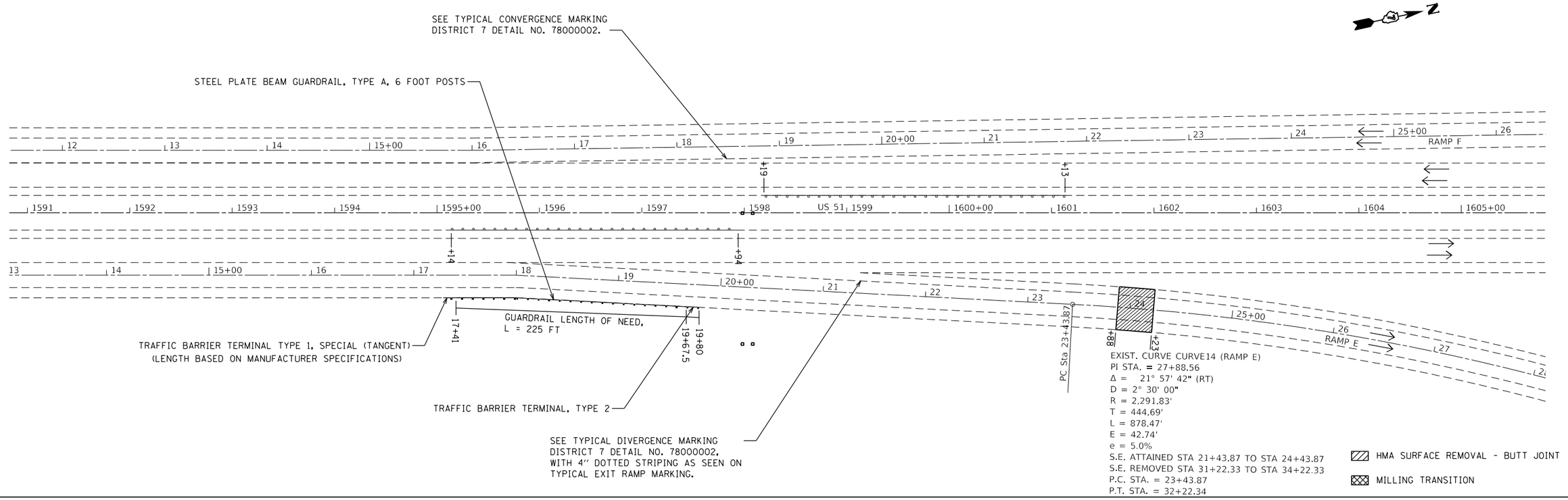
FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 7\Projects\74779\CADData\CADsheets\74779-sht-plan.dgn	USER NAME = steffenmk	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

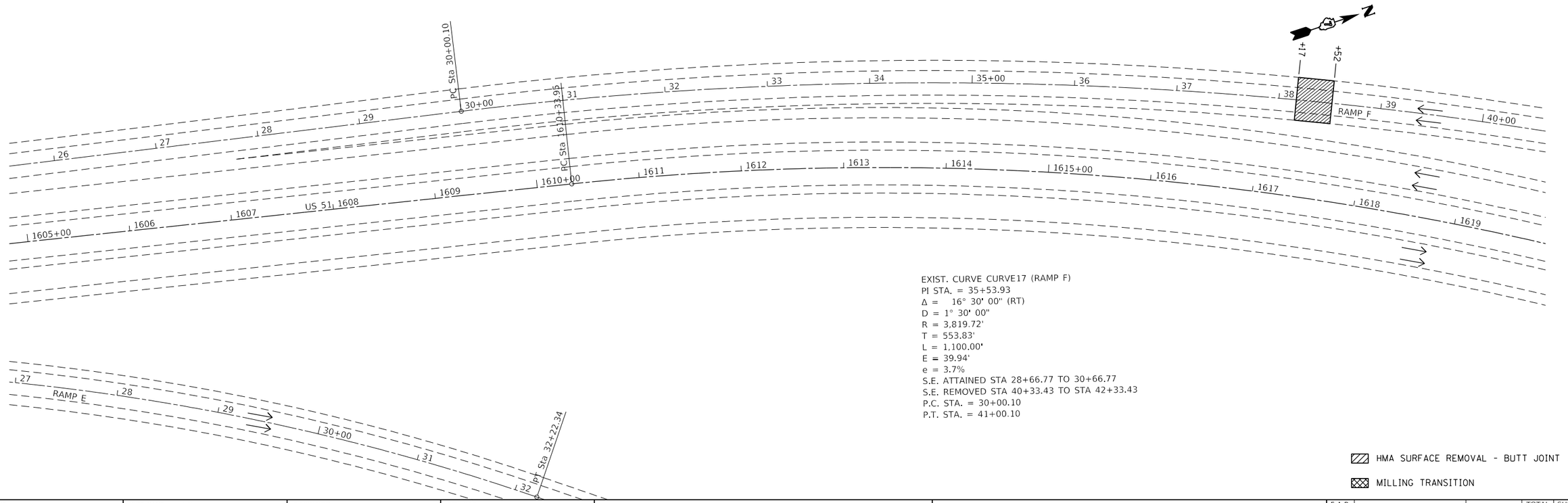
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: 1" = 50' | SHEET 13 OF 18 SHEETS | STA. 1563+00 | TO STA. 1591+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	45
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	





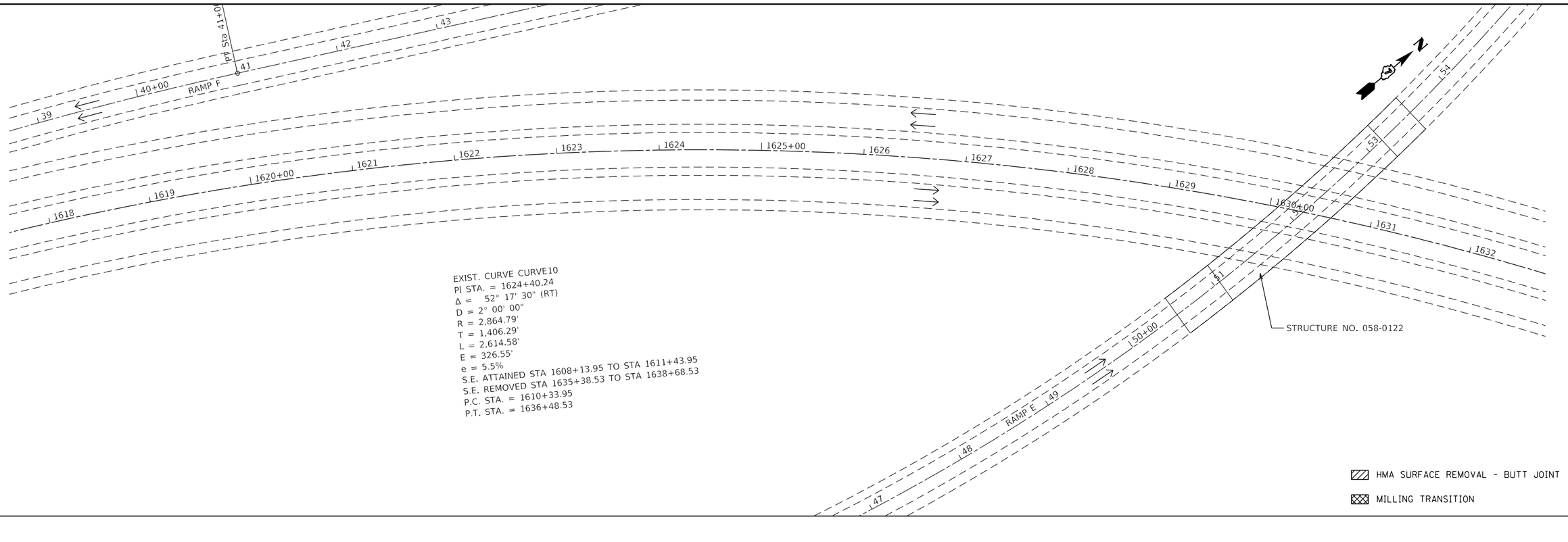
FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 7\Projects\74779\CADData\CADSheets\74779-sht-plan.dgn	USER NAME = steffenmk	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

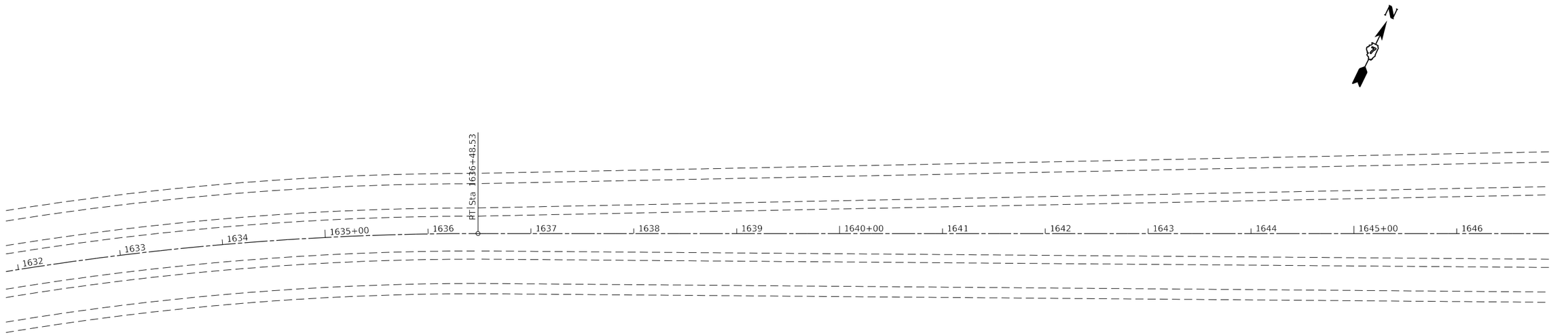
PLAN SHEET

SCALE: 1" = 50' | SHEET 14 OF 18 SHEETS | STA. 1591+00 | TO STA. 1619+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	46
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			



EXIST. CURVE CURVE10
PI STA. = 1624+40.24
Δ = 52° 17' 30" (RT)
D = 2° 00' 00"
R = 2,864.79'
T = 1,406.29'
L = 2,614.58'
E = 326.55'
e = 5.5%
S.E. ATTAINED STA 1608+13.95 TO STA 1611+43.95
S.E. REMOVED STA 1635+38.53 TO STA 1638+68.53
P.C. STA. = 1610+33.95
P.T. STA. = 1636+48.53



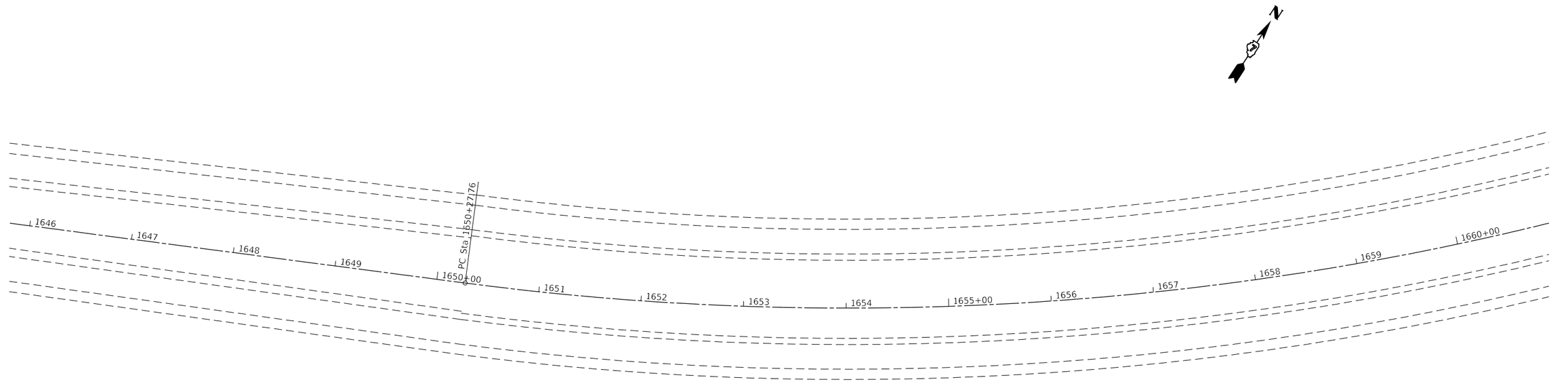
FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\DOT Offices\District 7\Projects\74779\CADData\CADsheets\Default	USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -	
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2020	DATE -	REVISED -

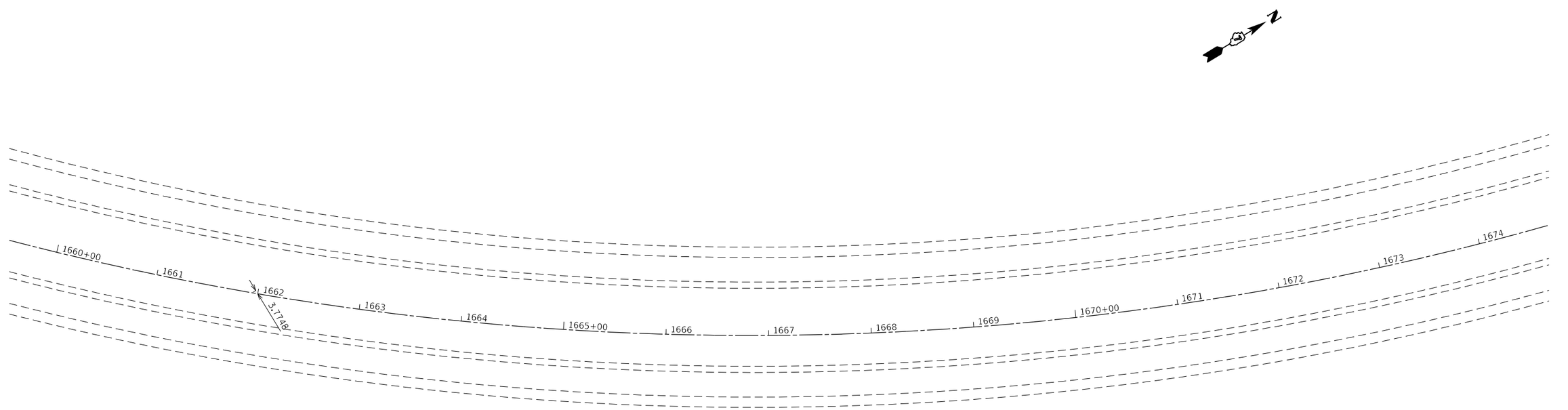
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: 1" = 50' | SHEET 15 OF 18 SHEETS | STA. 1619+00 | TO STA. 1646+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	47
		CONTRACT NO. 74779		
	ILLINOIS	FED. AID PROJECT		





FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 7\Projects\74779\CADData\CADSheets\74779-sht-plan.dgn	USER NAME = steffenmk	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

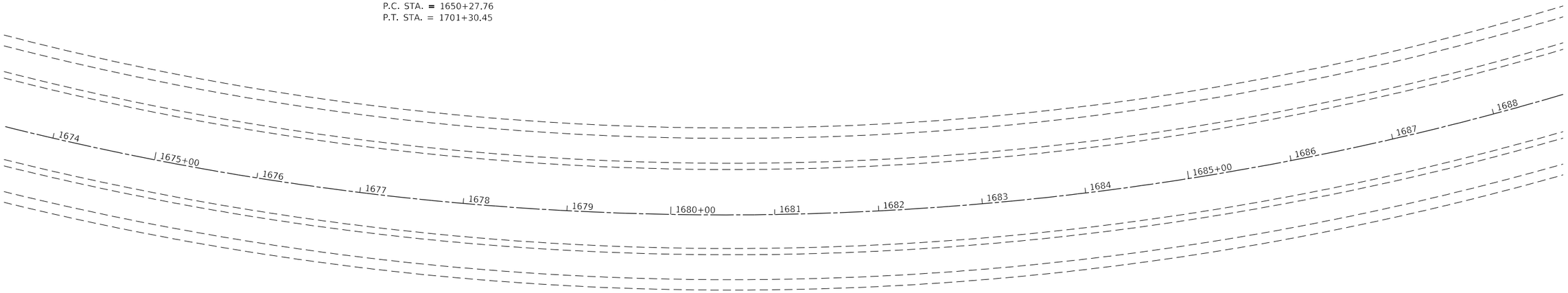
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: 1" = 50' | SHEET 16 OF 18 SHEETS | STA. 1646+00 | TO STA. 1674+00

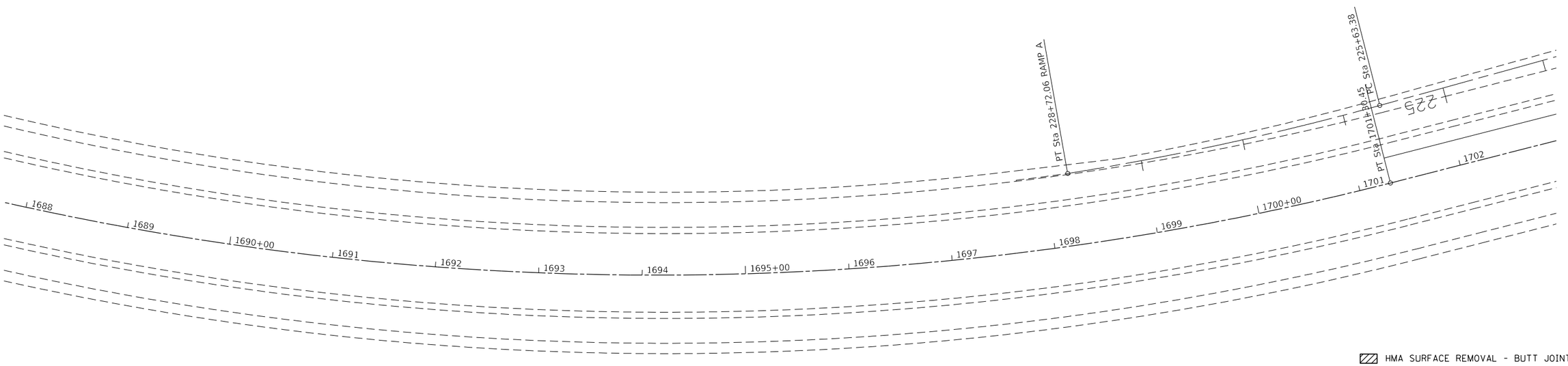
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	48
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

EXIST. CURVE CURVE11
PI STA. = 1685+68.88
Δ = 102° 03' 14" (LT)
D = 2° 00' 00"
R = 2,864.79'
T = 3,541.12'
L = 5,102.70'
E = 1,690.05'
e = 5.5%
S.E. ATTAINED STA 1648+07.76 TO STA 1651+37.76
S.E. REMOVAL STA 1699+73.42 (NB) TO STA 1703+03.42 (NB)
S.E. REMOVAL STA 1700+67.09 (SB) TO STA 1703+97.09 (SB)
P.C. STA. = 1650+27.76
P.T. STA. = 1701+30.45



HMA SURFACE REMOVAL - BUTT JOINT

MILLING TRANSITION



HMA SURFACE REMOVAL - BUTT JOINT

MILLING TRANSITION

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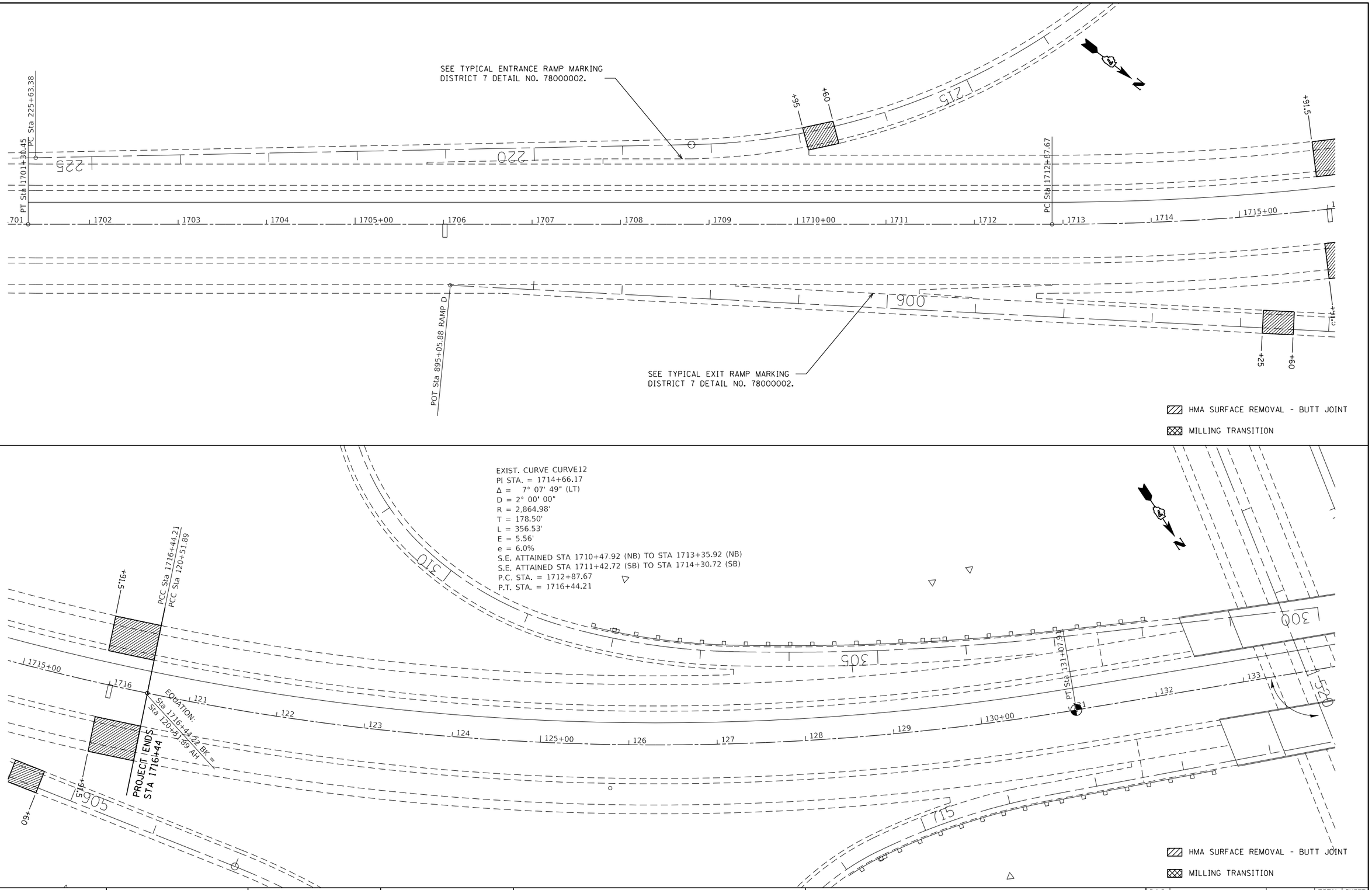
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: 1" = 50' | SHEET 17 OF 18 SHEETS | STA. 1674+00 | TO STA. 1702+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	49
		CONTRACT NO. 74779		
	ILLINOIS	FED. AID PROJECT		



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Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: 1" = 50' | SHEET 18 OF 18 SHEETS | STA. 1702+00 TO STA. 1716+44

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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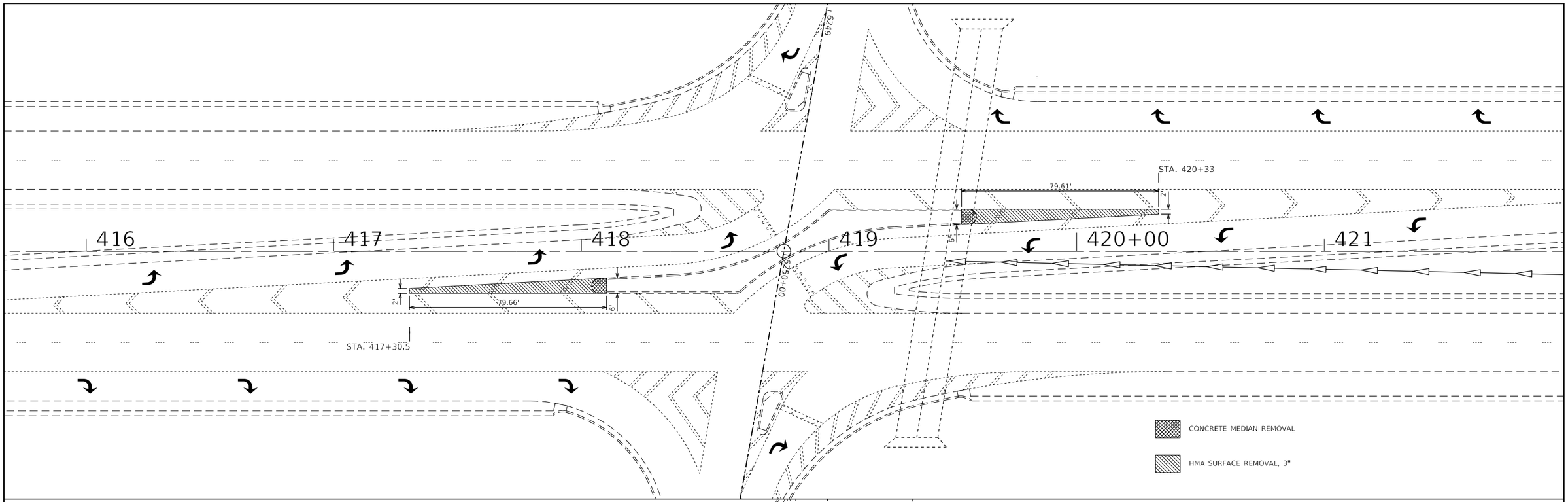
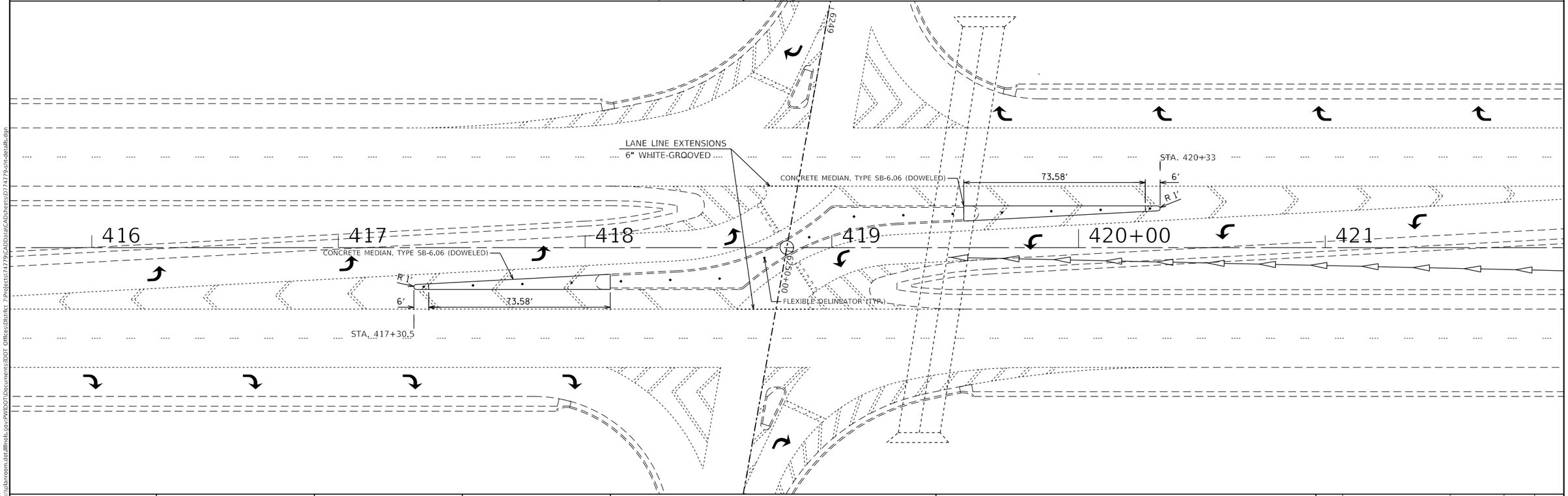
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			





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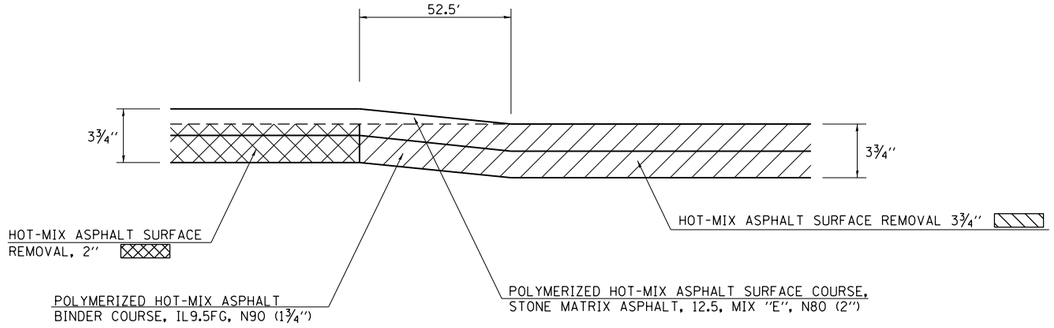
PLOT DATE = 1/30/2020	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

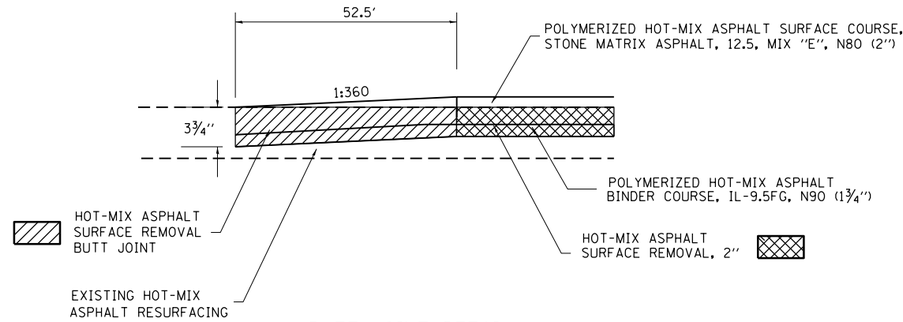
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	51
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			



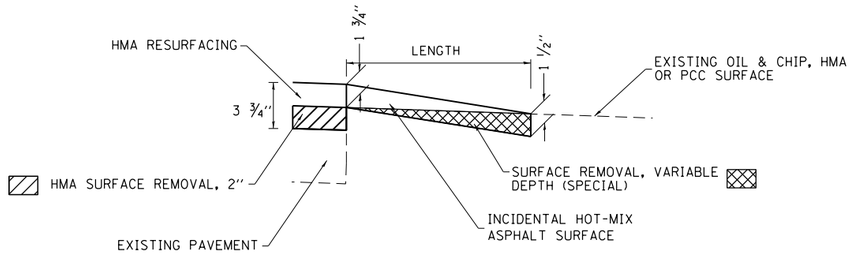
MILLING TRANSITION DETAIL

STA. 279+12 TO STA. 279+35 (US 51 NB)
STA. 282+36 TO STA. 282+59 (US 51 NB & SB)

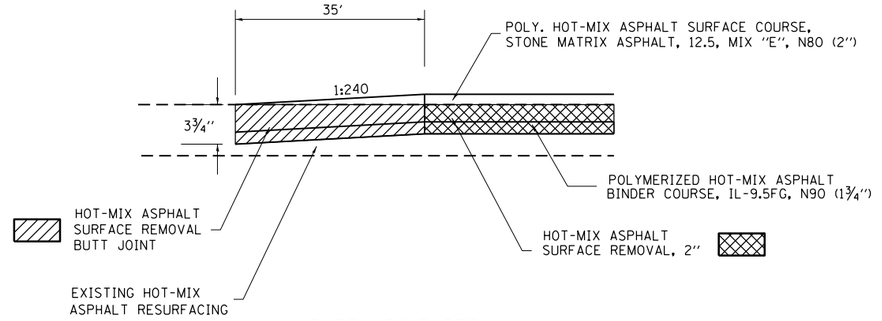


BUTT JOINT DETAIL

STA. 212+84 TO STA. 213+35.5 (US 51 NB & SB)
STA. 278+79.5 TO STA. 279+35 (US 51 SB)
STA. 408+47.5 TO STA. 409+00 (US 51 NB & SB)
STA. 428+50 TO STA. 429+02.5 (US 51 NB & SB)
STA. 1716+21 TO STA. 1716+44 (US 51 NB & SB)



PRA MILLING & PAVING DETAIL



BUTT JOINT DETAIL

STA. 216+60 TO STA. 216+95 (RAMP A)
STA. 904+25 TO STA. 904+60 (RAMP D)
STA. 23+88 TO STA. 24+23 (RAMP E)
STA. 38+17 TO STA. 38+52 (RAMP F)

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Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

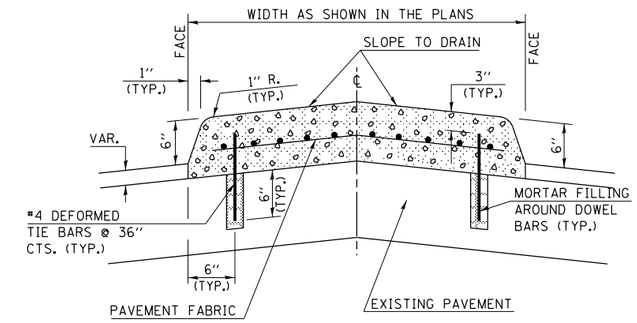
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

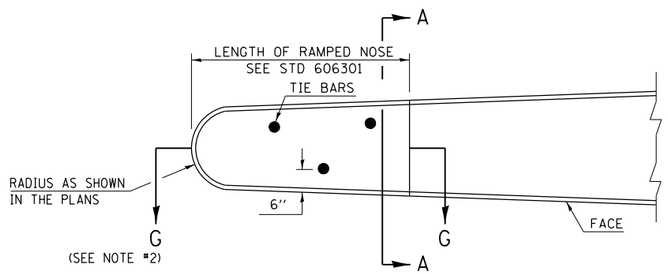
SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	52
		CONTRACT NO. 74779		
	ILLINOIS	FED. AID PROJECT		

DETAIL OF CONCRETE MEDIAN, TYPE SB–6.06 (DOWELLED)

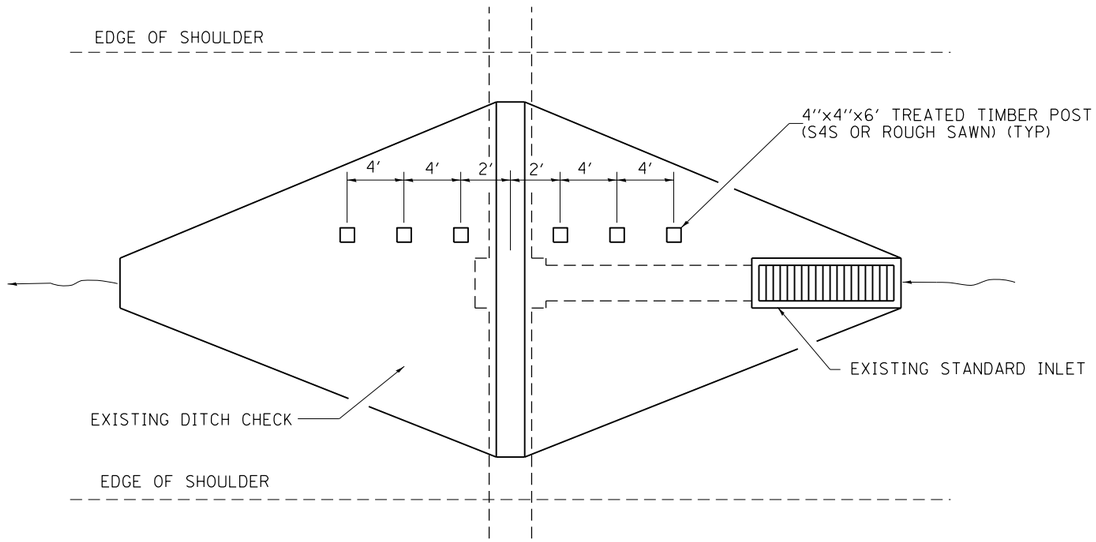


SECTION A-A

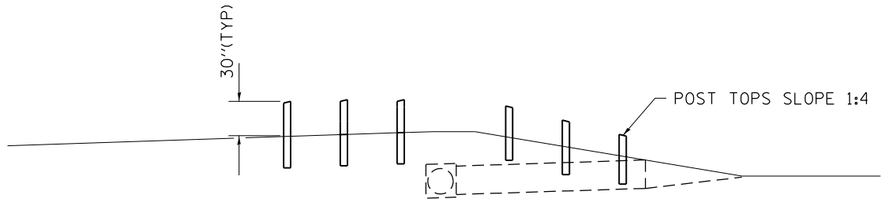


PLAN OF MEDIAN

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.



PLAN VIEW



PROFILE VIEW

DETAIL OF GUARD POSTS

GENERAL NOTES

1. THE GENERAL NOTES FOR STANDARD 606301 SHALL APPLY.
2. SECTION G-G SHALL BE THE SAME AS SHOWN ON STANDARD 606301.
3. DOWEL BARS @ 36" CTS. OR AS DIRECTED BY THE ENGINEER.

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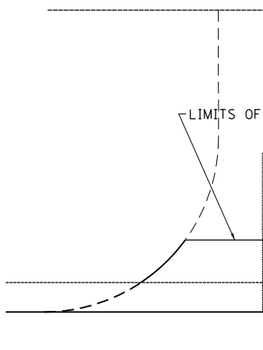
PLOT DATE = 1/29/2020	DATE -	REVISED -	

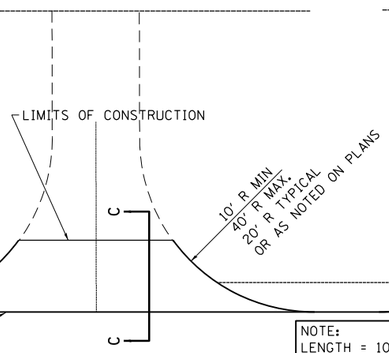
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

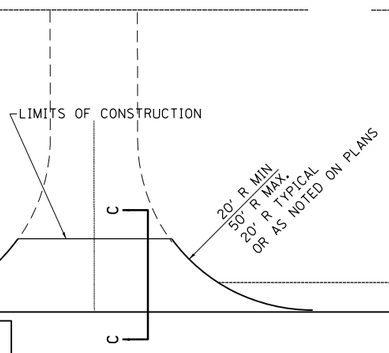
DOWELLED MEDIAN & GUARDPOST DETAILS

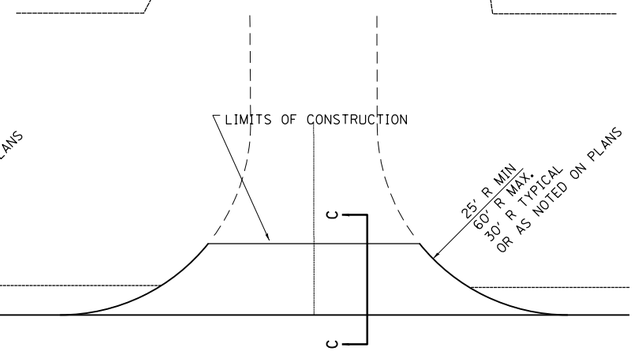
SCALE: | SHEET OF SHEETS | STA. | TO STA.

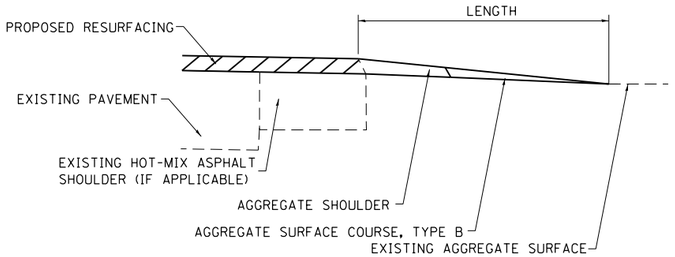
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	53
		CONTRACT NO. 74779		
	ILLINOIS	FED. AID PROJECT		

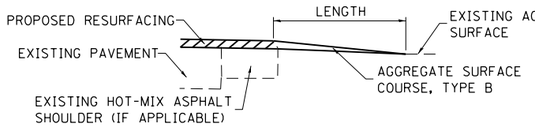


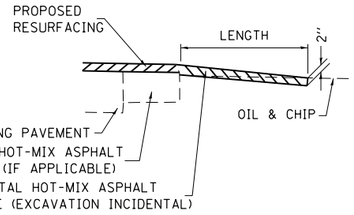


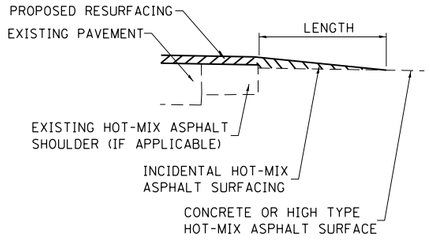


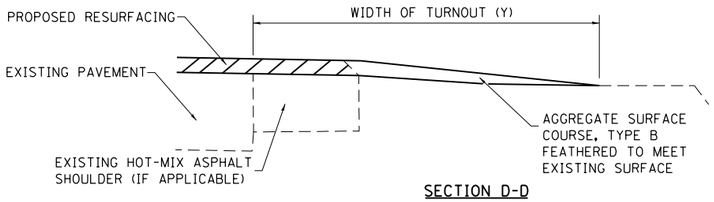












NOTE:
LENGTH = 10' UNLESS
OTHERWISE NOTED ON PLANS.

SECTION B-B

SECTION C-C

SECTION D-D

TYPICAL SECTION AT MAILBOX TURNOUT

NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

NOTES

IF THERE IS NOT EXISTING HOT-MIX ASPHALT SHOULDER THEN THE ENTRANCE TAPER STARTS AT THE EDGE OF EXISTING PAVEMENT.

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE SURFACE COURSE, TYPE B
			TON	TON
NORTHBOUND				
RT	232+15	FE		2.4
RT	251+97	FE		1.4
RT	264+96	FE		1.3
RT	287+43	FE		1.4
RT	308+10	FE		1.3
RT	319+32	FE		1.3
RT	332+91	FE		1.3
RT	380+62	FE		2.4
RT	392+11	FE		1.3
RT	445+20	FE		2.4
RT	1512+52	FE		1.3
RT	1532+20	FE		1.3
RT	1539+71	FE		1.3
	NB TOTALS:		0.0	20.7
SOUTHBOUND				
LT	332+94	FE		0.9
LT	392+11	FE		1.3
LT	406+00	FE		2.4
LT	1512+29	FE		1.3
LT	1532+20	FE		1.3
	SB TOTALS:		0.0	7.3
	PROJECT TOTALS:		0.0	28.0

FE=FIELD ENTRANCE
PE=PRIVATE ENTRANCE
CE=COMMERCIAL ENTRANCE
PRA - PUBLIC ROAD APPROACH
MBT - MAILBOX TURNOUT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RURAL ENTRANCE SCHEDULE AND MAILBOX TURNOUT DETAILS WITH SHOULDERS

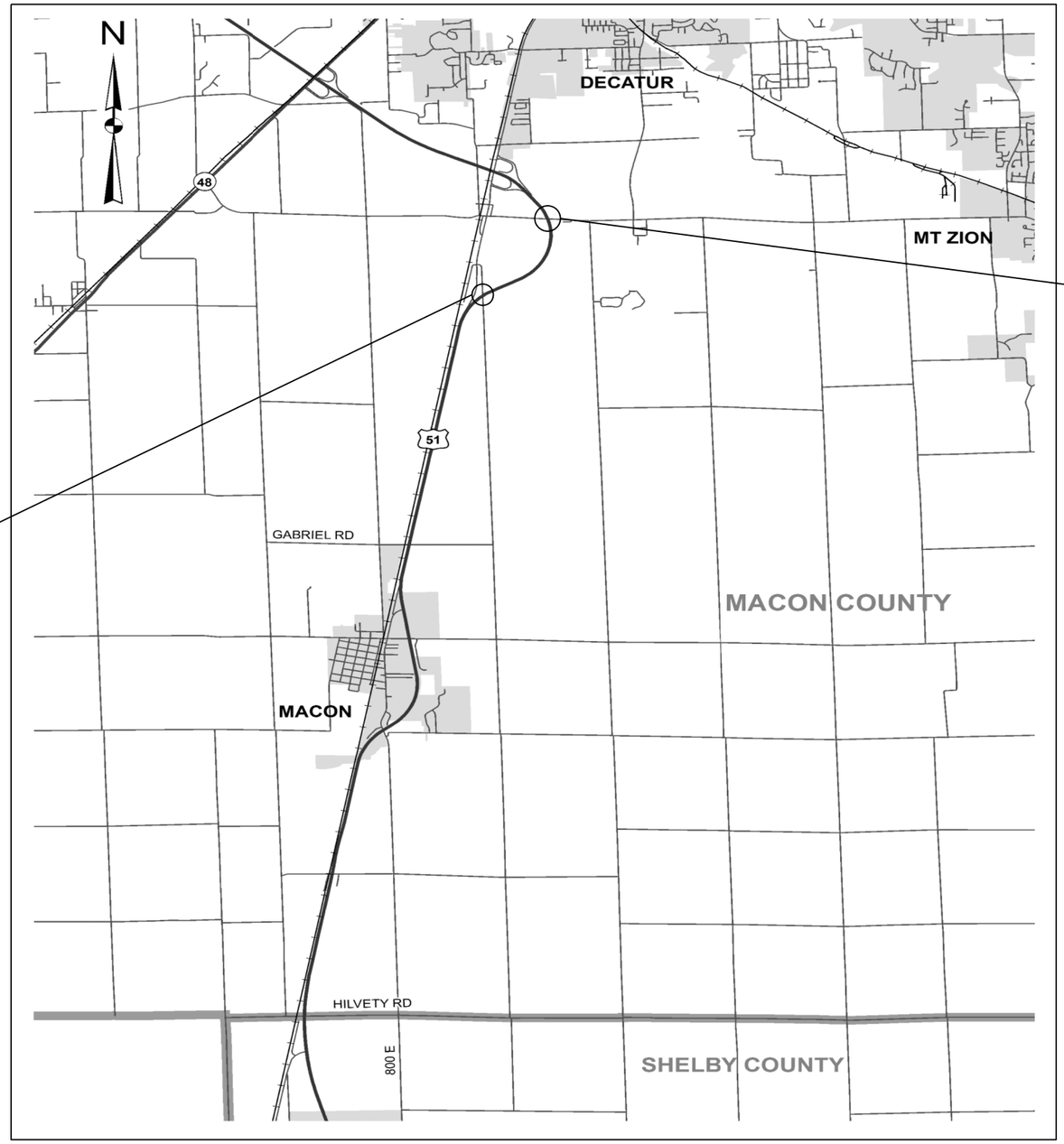
SCALE: N/A | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	54

CONTRACT NO. 74779

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

STRUCTURE LOCATIONS



STRUCTURE NO. 058-0124 (CH 30 - ELWIN RD.)

STRUCTURE NO. 058-0122 (RAMP E) &
STRUCTURE NO. 058-0123 (RILEY RD.)

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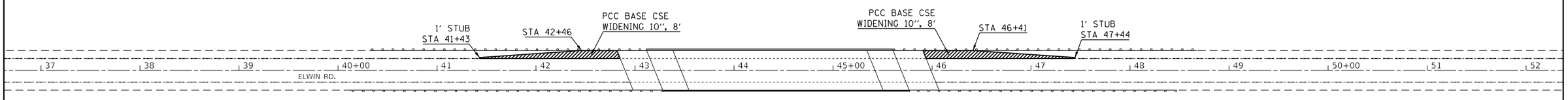
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE LOCATIONS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	55
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			



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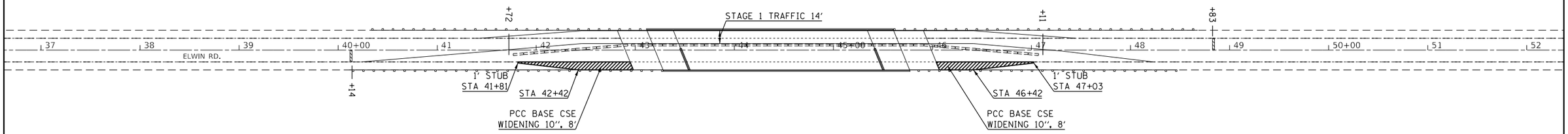
PRE–STAGE CONSTRUCTION
S.N. 058–0124

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	56
		CONTRACT NO. 74779		
	ILLINOIS	FED. AID PROJECT		



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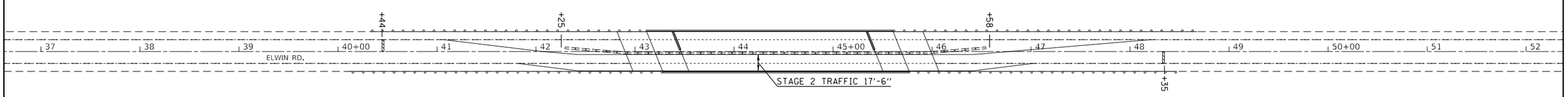
PLOT DATE = 1/29/2020	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 CONSTRUCTION
S.N. 058–0124

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	57
		CONTRACT NO. 74779		
	ILLINOIS	FED. AID PROJECT		



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	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 1/29/2020	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 CONSTRUCTION
S.N. 058–0124

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	58
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			

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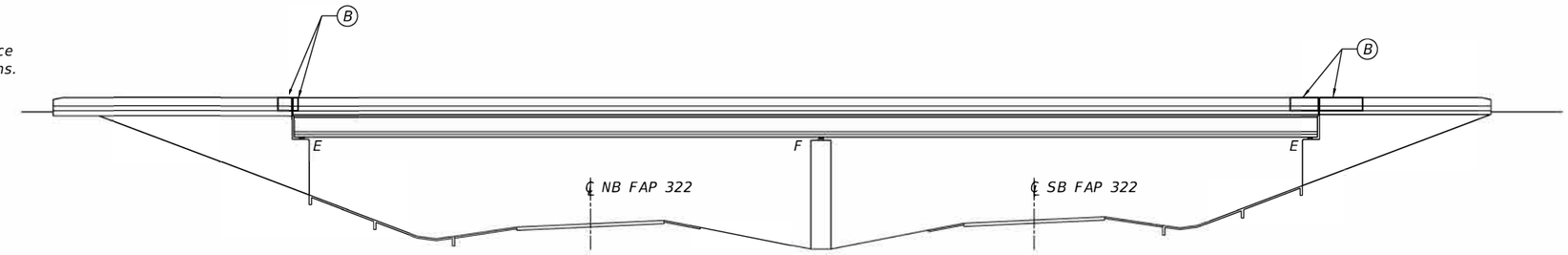
EXISTING STRUCTURE: SN 058-0122

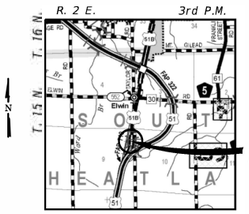
Constructed in 1995, the existing structure consists of two spans of p.p.c. I beams and concrete superstructure deck spanning vaulted concrete abutments on concrete piles and concrete pier on a spread footing without piles. The existing structure measures 300'-0" back to back of approach bents and 43'-2"± out to out of the deck.

The Contractor shall remove and dispose of portions of the existing structure in accordance with Section 501 of the Standard Specifications.

The existing roadway will be closed to traffic during the construction.

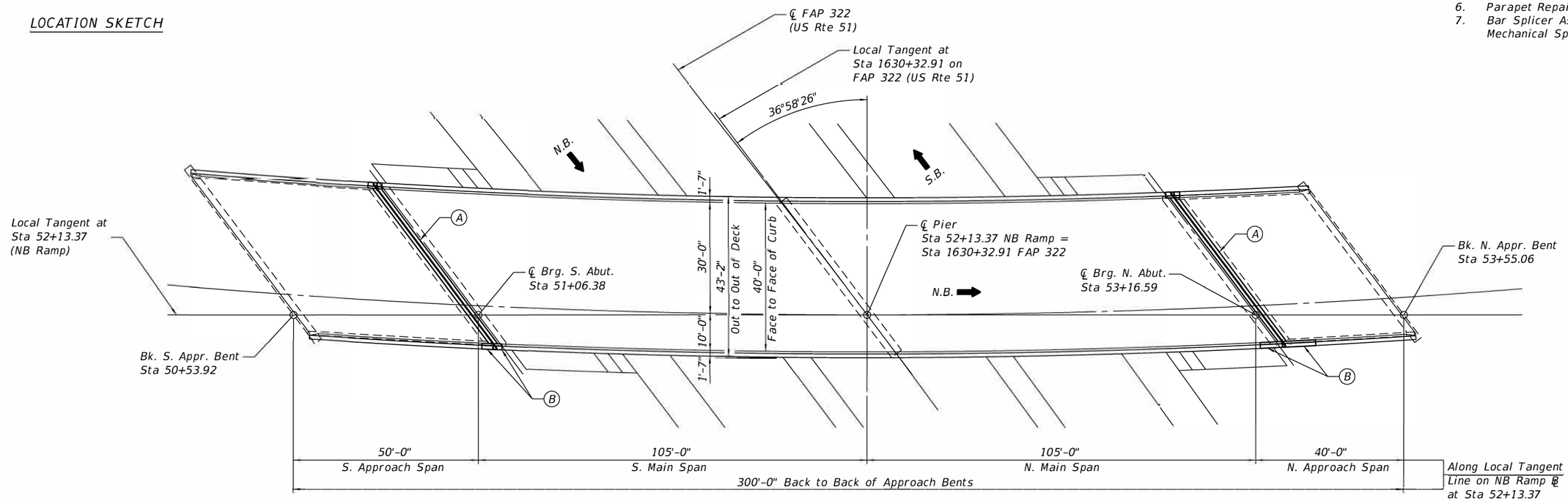


ELEVATION



LOCATION SKETCH

INDEX OF SHEETS



PLAN

SCALE IN FEET
0 15 30

(A) *Remove Existing Neoprene Expansion Joint and Install Preformed Strip Seal*

(B) *Remove and Replace portion of Existing Parapet*

Bradley G. Hummert Date: 1/13/20

Bradley G. Hummert
Licensed Structural Engineer
in Illinois No. 081-005428

BRADLEY G. HUMMERT 081-005428 LICENSED STRUCTURAL ENGINEER STATE OF ILLINOIS

Expires: November 30, 2020

GENERAL PLAN & ELEVATION
NORTH BOUND RAMP E
OVER FAP 322 (US RTE 51)
SECTION 58-20-1-HB
MACON COUNTY
STATION 52+13.37
STRUCTURE NO. 058-0122

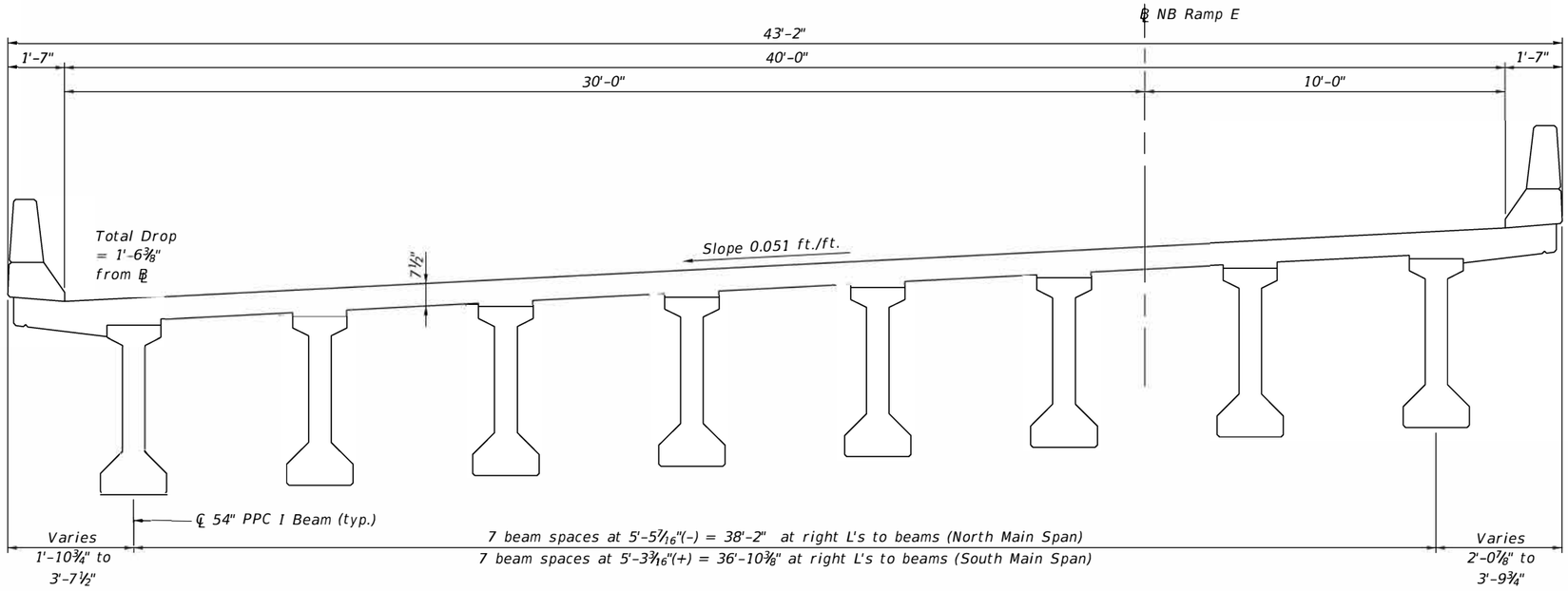
FILE NAME = H:\7322_IDOT_D7_Van\7322_07_WO7_74779_US51_BridgeRepairPlans\058-0122\Merged Files\0580122_74779_01_gpel.dgn		REVISED -	
HMG Engineers • Surveyors — HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = klaux	DESIGNED -	REVISED -
	PLOT SCALE = 3.00000 ' / in	DRAWN -	REVISED -
	PLOT DATE = 1/28/2020	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION

SCALE: | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(46,47)RS-3 (58-20-1)RS-1	MACON	84	59
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	



EXISTING CROSS SECTION

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.

The provided quantity of Deck Slab Repair (Partial) is intended to be used to repair any unsound areas in the bridge deck discovered during construction of the Expansion Joints. Deck slab areas to be repaired shall be designated by the Engineer, and marked on the as-built plans.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu Yd	7.3
Concrete Superstructure	Cu Yd	7.3
Reinforcement Bars, Epoxy Coated	Pound	1,700
Preformed Joint Strip Seal	Foot	110
Deck Slab Repair (Partial)	Sq Yd	5
Mechanical Splicers	Each	20

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HMG Engineers • Surveyors
HMG ENGINEERS, INC.
9360 HOLY CROSS LANE
BREESE, ILLINOIS 62230
(618) 526-9611

USER NAME = klaux
PLOT SCALE = 2.0000 ' / in.
PLOT DATE = 1/28/2020

DESIGNED - ___
DRAWN - ___
CHECKED - ___

REVISED -
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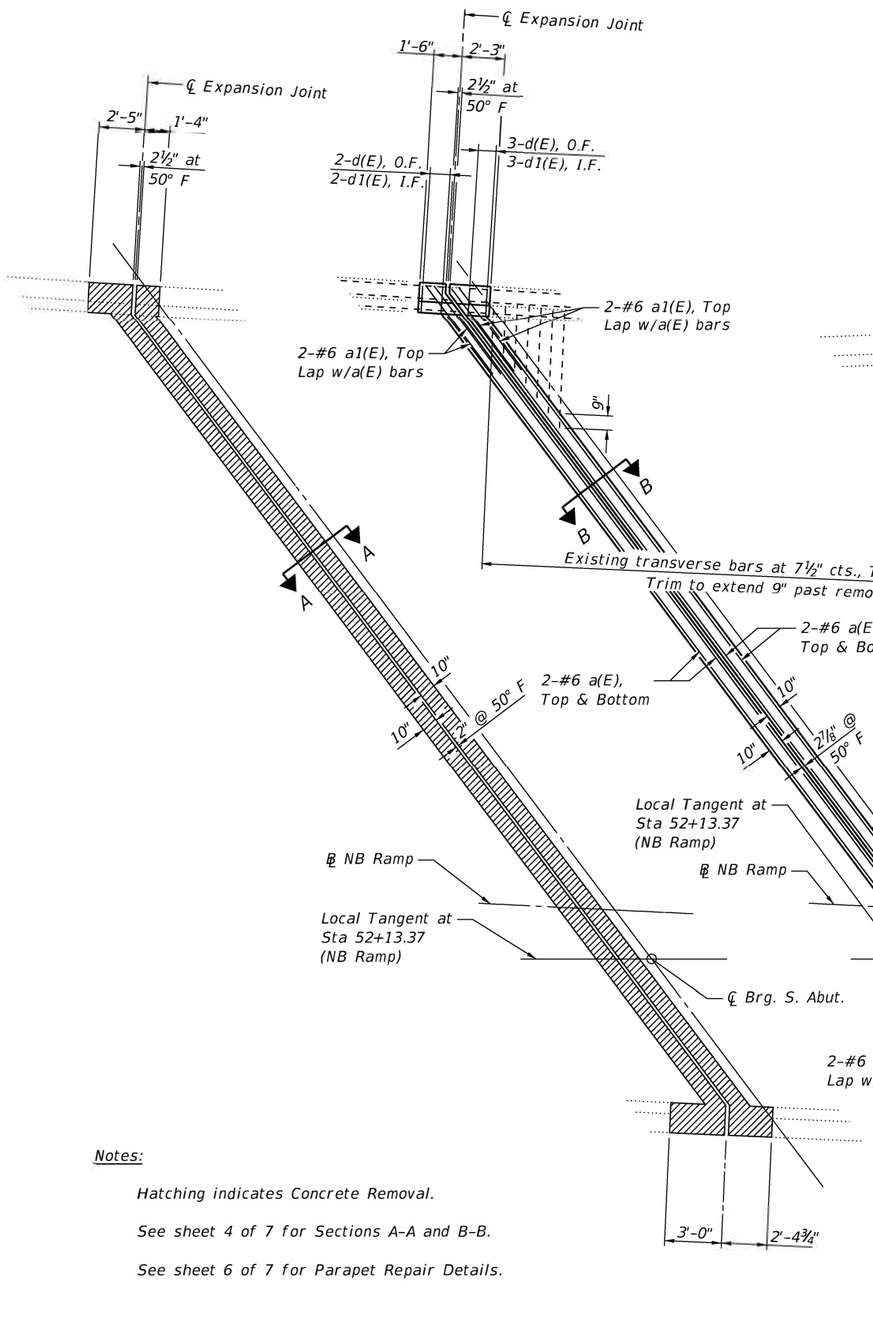
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

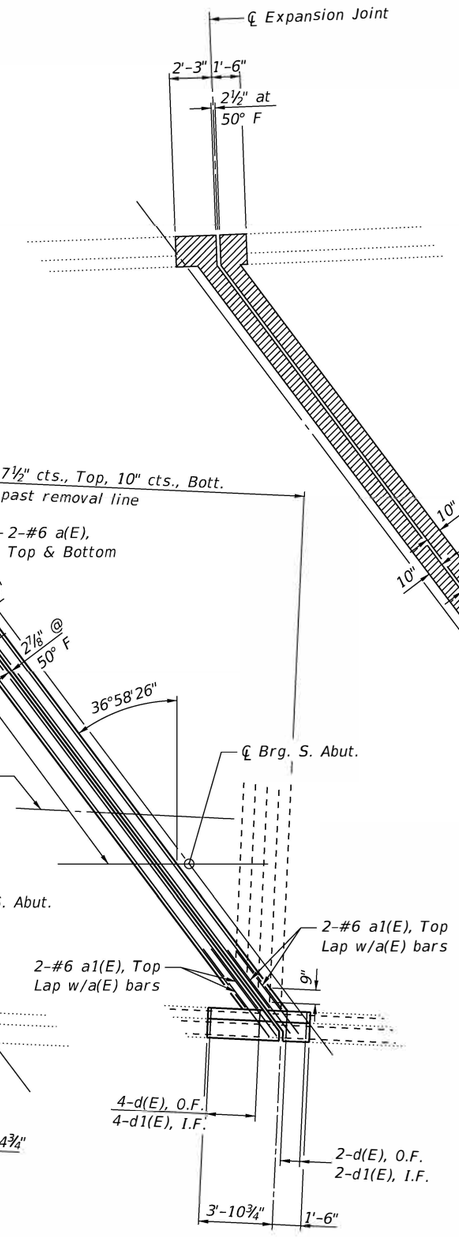
GENERAL NOTES AND BILL OF MATERIAL
STRUCTURE NO. 058-0122

SCALE: | SHEET 2 OF 7 SHEETS | STA. | TO STA.

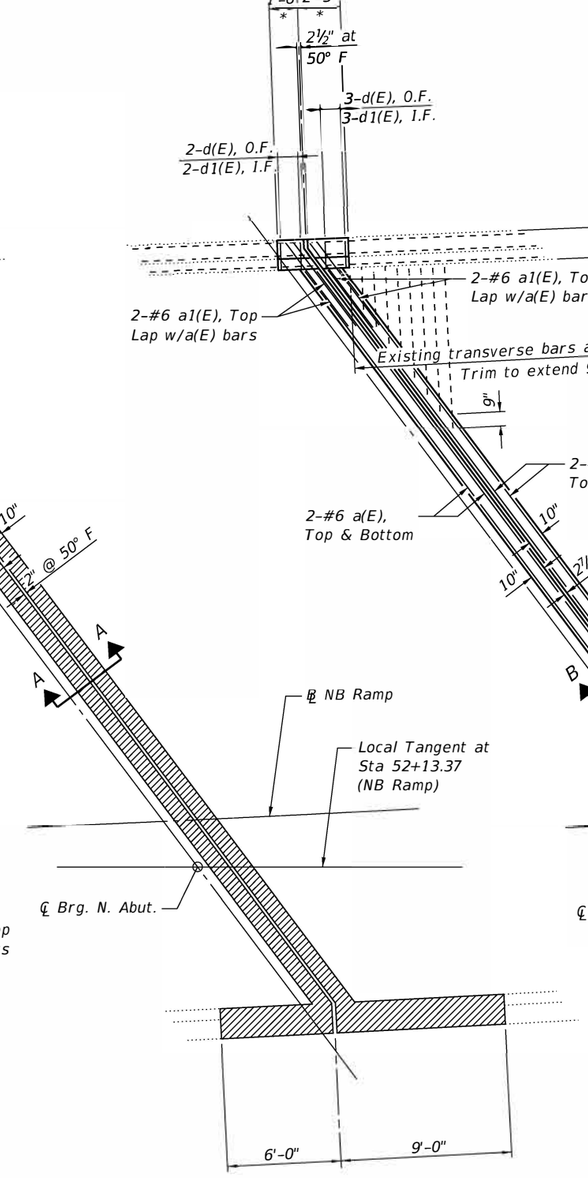
F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(46,47)RS-3 (58-20-1)RS-1	MACON	84	60
		CONTRACT NO. 74779		
	ILLINOIS	FED. AID PROJECT		



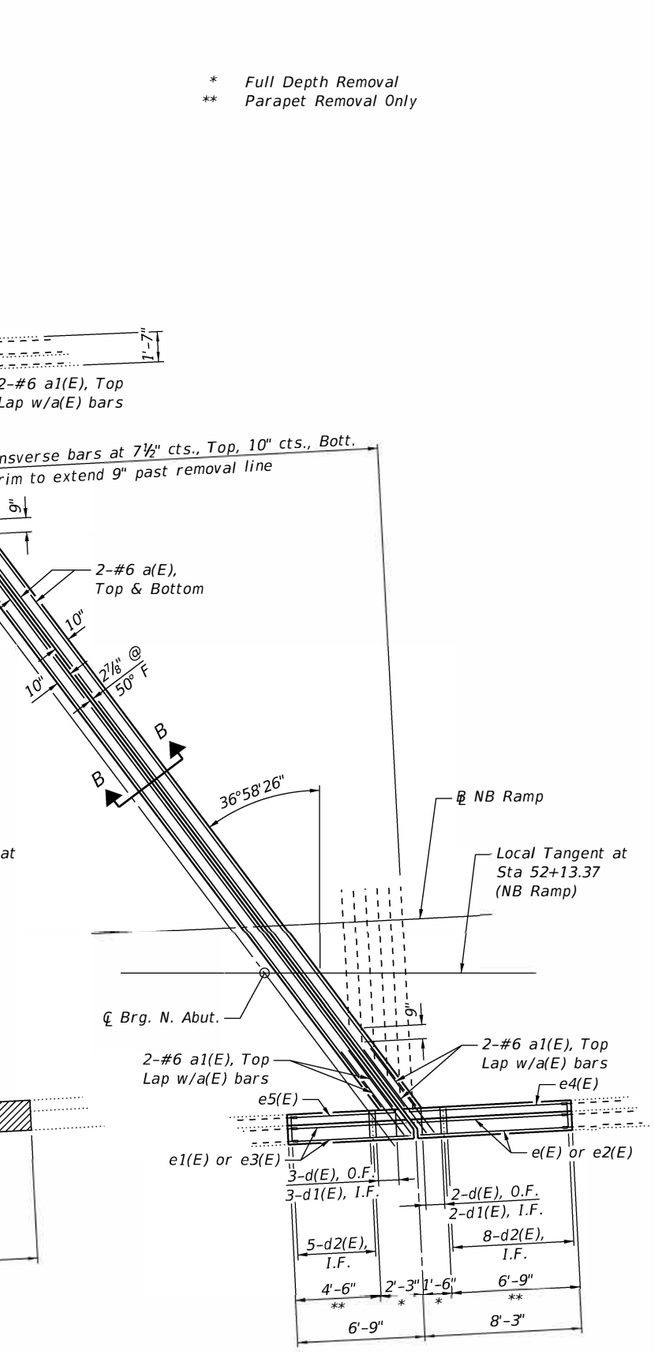
CONCRETE REMOVAL PLAN
SOUTH ABUTMENT



CONCRETE REPLACEMENT PLAN
SOUTH ABUTMENT



CONCRETE REMOVAL PLAN
NORTH ABUTMENT



CONCRETE REPLACEMENT PLAN
NORTH ABUTMENT

Notes:

Hatching indicates Concrete Removal.

See sheet 4 of 7 for Sections A-A and B-B.

See sheet 6 of 7 for Parapet Repair Details.

SCALE IN FEET
0 4 8

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HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = klaux	DESIGNED -	REVISED -
	PLOT SCALE = 8.0000 ' / in	DRAWN -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAILS
STRUCTURE NO. 058-0122

SCALE: | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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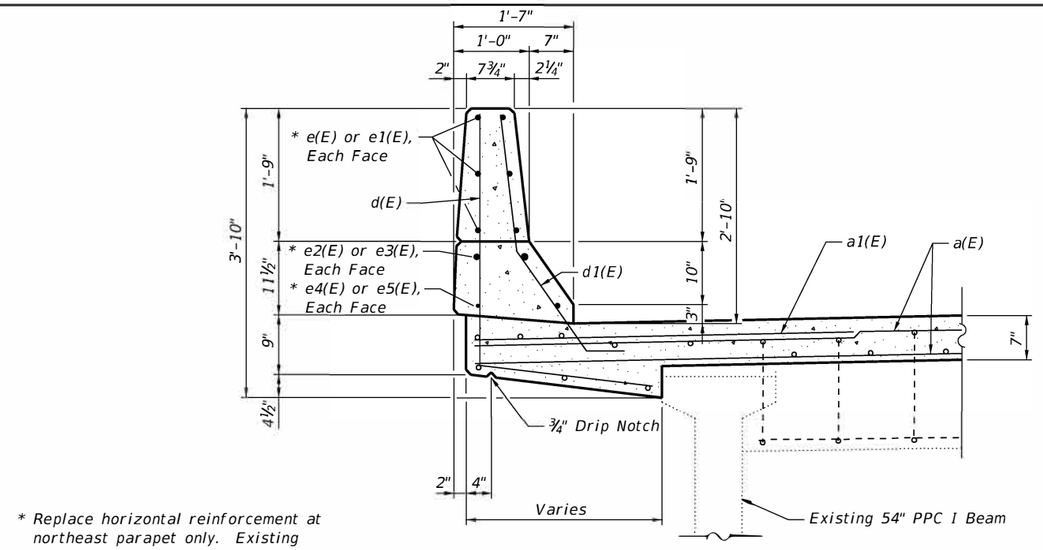
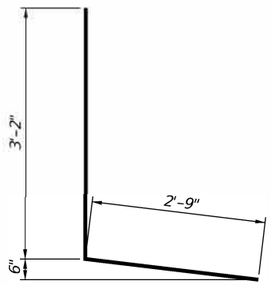
		CONTRACT NO. 74779		
		ILLINOIS FED. AID PROJECT		

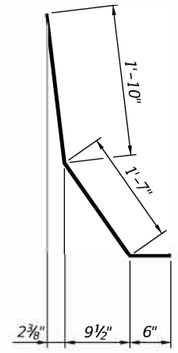


* Replace horizontal reinforcement at northeast parapet only. Existing horizontal bars to remain at all other parapets.

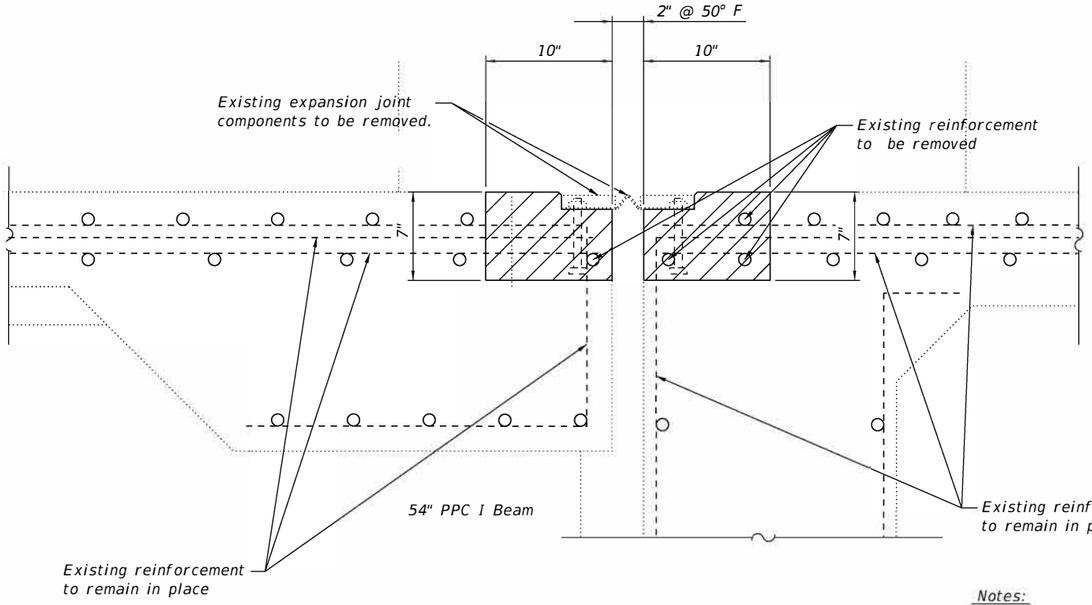
SECTION THRU PARAPET
(Areas of full Depth Removal)



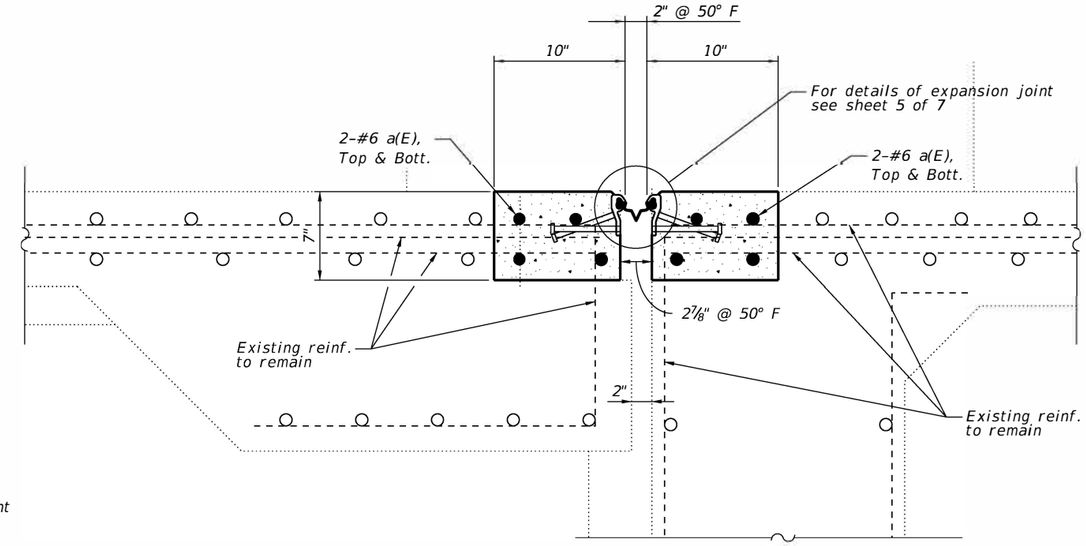
BAR d(E)



BAR d1(E)



SECTION A–A



SECTION B–B

Notes:

Hatching indicates concrete removal.

Dimensions are at right angles to end of deck.

The Contractor shall use extreme care during concrete removal so as not to damage the PPC I-Beam. Any beam damaged shall be repaired or replaced at the Contractor's expense.

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HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = klaux	DESIGNED - ___	REVISED -
	PLOT SCALE = 1.0000 ' / in.	DRAWN - ___	REVISED -
	PLOT DATE = 1/28/2020	CHECKED - ___	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAILS
STRUCTURE NO. 058-0122

SCALE: | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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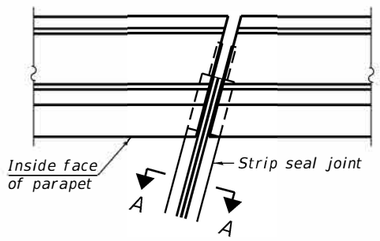
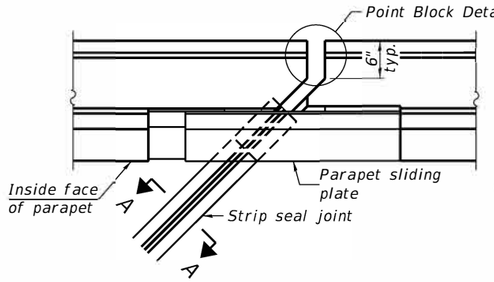
		CONTRACT NO. 74779		
	ILLINOIS	FED. AID PROJECT		

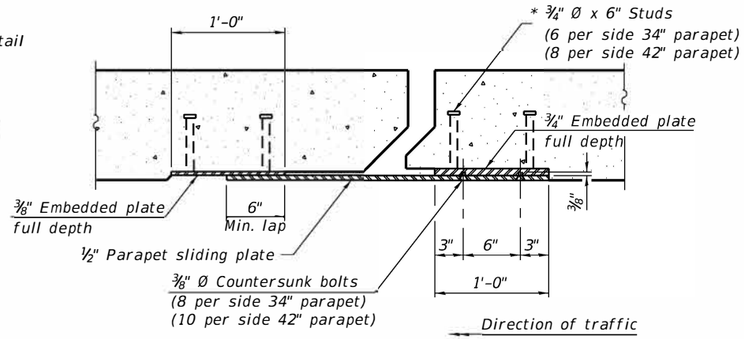


FOR SKEWS ≤ 30°

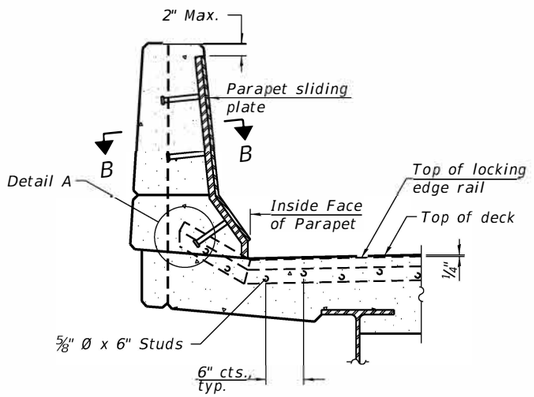


FOR SKEWS > 30°

PLAN AT PARAPET

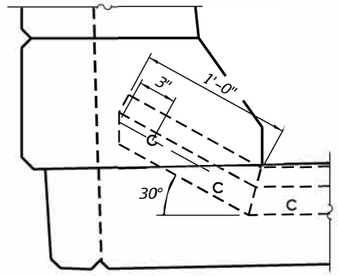


SECTION B–B

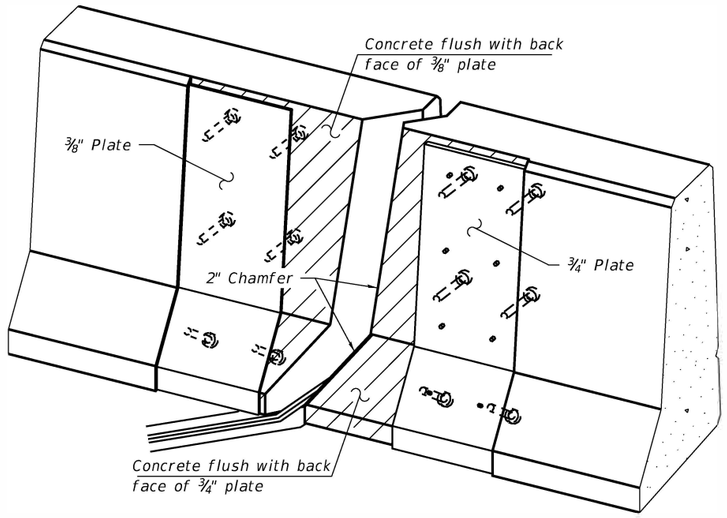


ELEVATION AT PARAPET

(Skews > 30° shown. Skews ≤ 30° similar except as shown in plan view.)



DETAIL A



TRIMETRIC VIEW

(Showing embedded plates only)

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of ¼". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4½" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

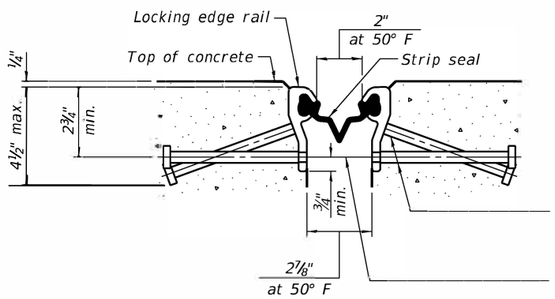
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.

34" F–shape barrier shown, 42" F–shape similar as noted.

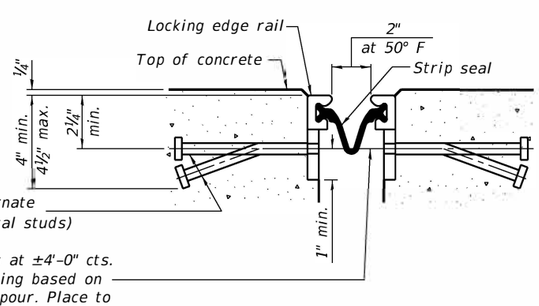
The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.



SHOWING ROLLED RAIL JOINT

* ⅜" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

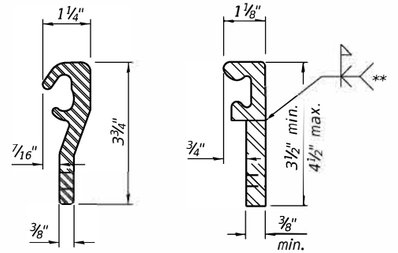
⅜" ϕ threaded rods in 7/16" ϕ holes at ±4'–0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.



SHOWING WELDED RAIL JOINT

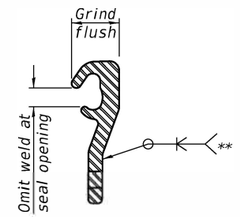
SECTION A–A

** Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.*



LOCKING EDGE RAILS

*** Back gouge not required if complete joint penetration is verified by mock–up.*



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	110

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HMG Engineers • Surveyors — HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611

USER NAME = klaux | PLOT SCALE = 2.0000 ' / in. | PLOT DATE = 1/28/2020

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REVISED - | REVISED - | REVISED - | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 058-0122

SCALE: | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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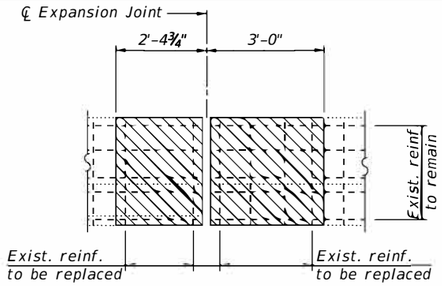
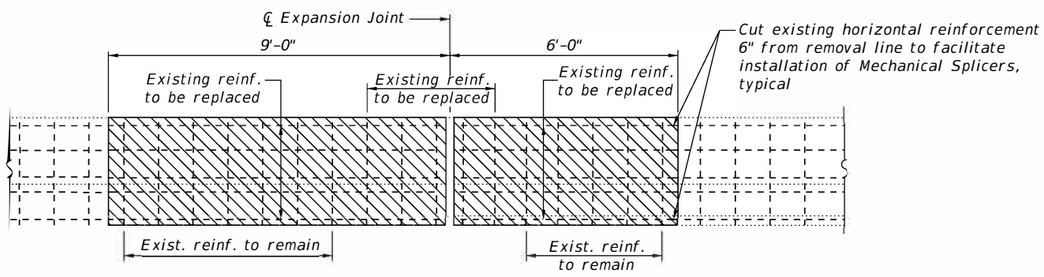
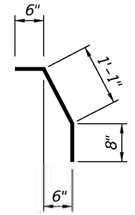
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	



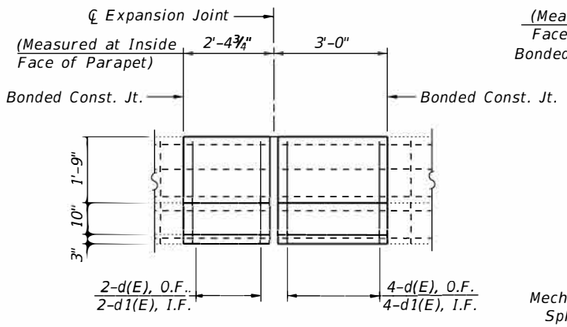
EAST PARAPET ELEVATION – SOUTH END
CONCRETE REMOVAL
(Inside Elevation looking East)
Hatched area indicates removal



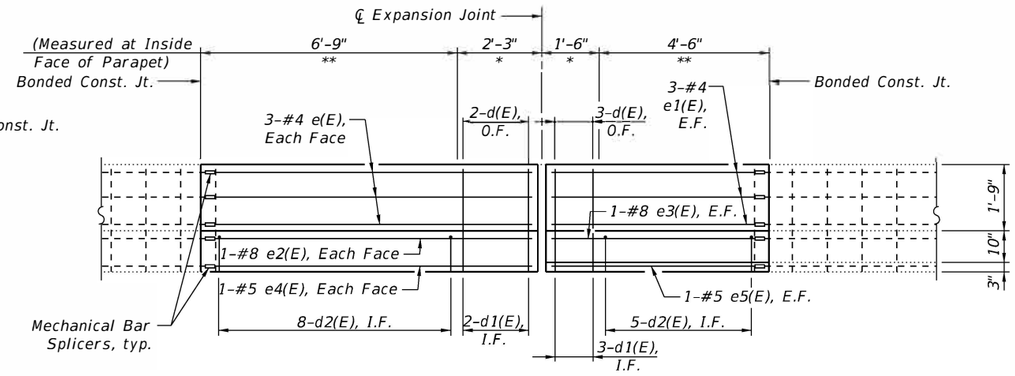
EAST PARAPET ELEVATION – NORTH END
CONCRETE REMOVAL
(Inside Elevation looking East)
Hatched area indicates removal



BAR d2(E)



EAST PARAPET ELEVATION – SOUTH END
SUPERSTRUCTURE CONCRETE
(Inside Elevation looking East)

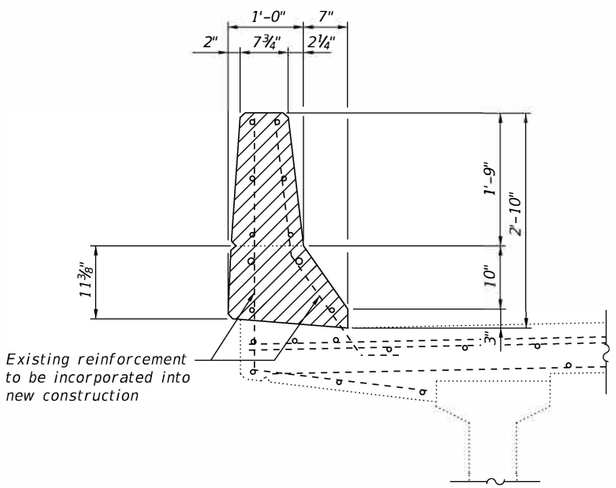


EAST PARAPET ELEVATION – NORTH END
SUPERSTRUCTURE CONCRETE
(Inside Elevation looking East)

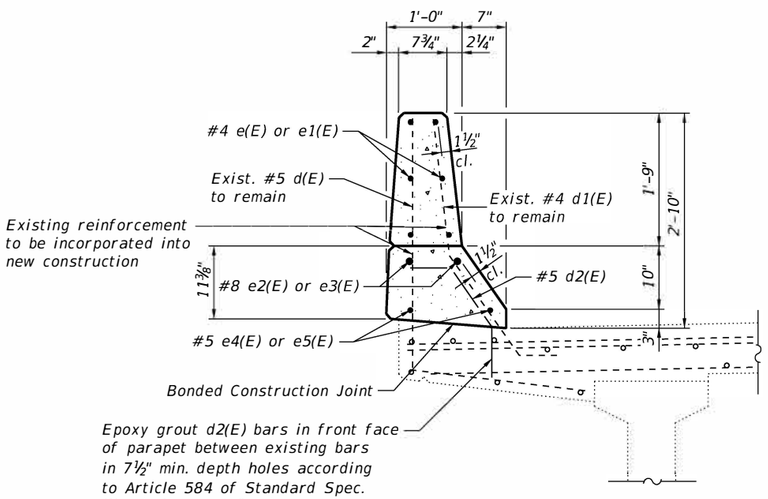
* Full Depth Removal
** Parapet Removal Only

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	16	#6	53'-8"	———
a_1(E)	16	#6	5'-6"	———
d(E)	21	#5	5'-11"	L
d_1(E)	21	#4	3'-11"	L
d_2(E)	13	#5	2'-3"	⅂
e(E)	6	#4	7'-5"	———
e_1(E)	6	#4	5'-8"	———
e_2(E)	2	#8	7'-5"	———
e_3(E)	2	#8	5'-8"	———
e_4(E)	2	#5	8'-2"	———
e_5(E)	2	#5	5'-2"	———
Concrete Removal			Cu Yd	7.3
Concrete Superstructure			Cu Yd	7.3
Reinforcement Bars, Epoxy Coated			Pound	1,700
Mechanical Splicers			Each	20



SECTION THRU PARAPET
CONCRETE REMOVAL
Hatched area indicates removal
(Areas of Parapet Removal only)



SECTION THRU PARAPET
(Areas of Parapet Removal only)

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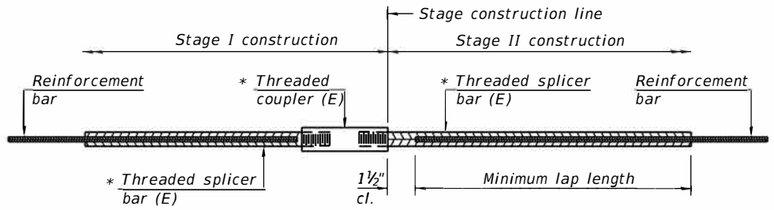
HMG Engineers • Surveyors — HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = klaux	DESIGNED -	REVISED -
	PLOT SCALE = 4.000 ' / in.	DRAWN -	REVISED -
	PLOT DATE = 1/28/2020	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET REPAIR DETAILS
STRUCTURE NO. 058-0122

SCALE: | SHEET 6 OF 7 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(46,47)RS-3 (58-20-1)RS-1	MACON	84	64
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

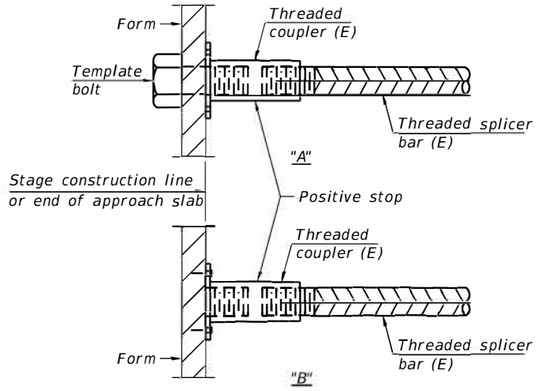


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1½" + thread length

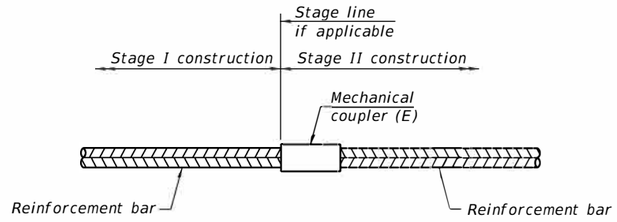
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length



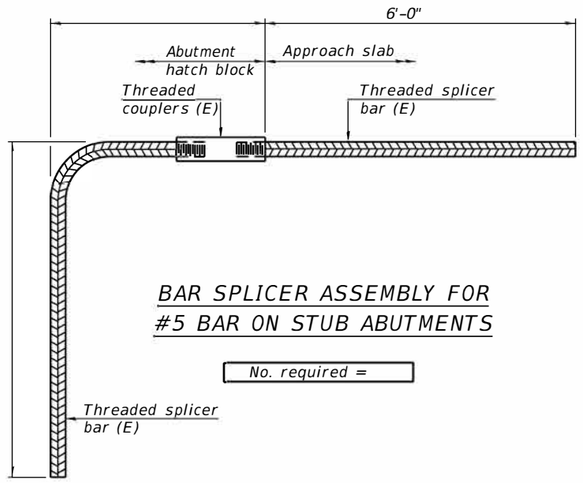
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
Parapet	#4	12
Parapet	#5	4
Parapet	#8	4



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1 2-17-2017

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HMG Engineers • Surveyors — HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = klaux	DESIGNED -	REVISED -		
	PLOT SCALE = 2.0000 '/ in.	DRAWN -	REVISED -		
	PLOT DATE = 1/28/2020	CHECKED -	REVISED -		

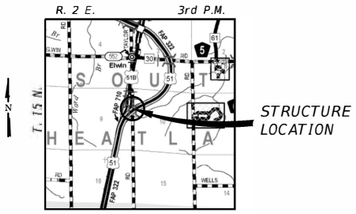
F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(46,47)RS-3 (58-20-1)RS-1	MACON	84	65
		CONTRACT NO. 74779		
	ILLINOIS	FED. AID PROJECT		

SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

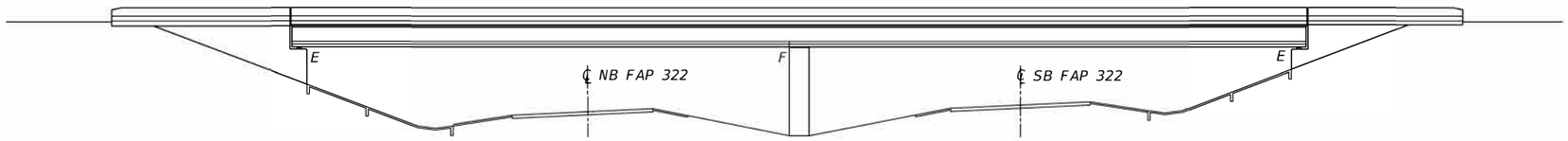
EXISTING STRUCTURE: SN 058-0123

Constructed in 1995, the existing structure consists of two spans of p.p.c. I beams and concrete superstructure deck spanning vaulted concrete abutments on concrete piles and concrete pier on a spread footing without piles. The existing structure measures 285'-0" back to back of approach bents and 33'-2" out to out of the deck.

The existing roadway will be closed to traffic during the construction.

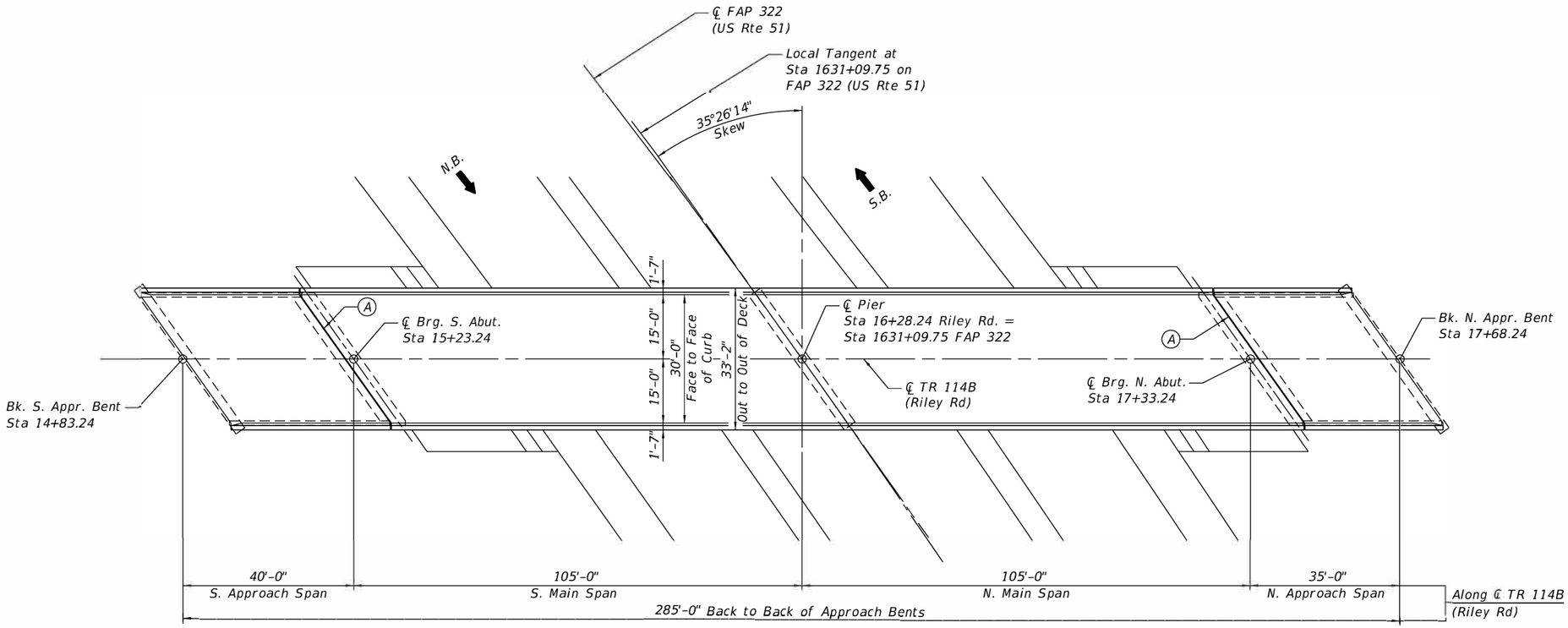


LOCATION SKETCH



ELEVATION

INDEX OF SHEETS



PLAN

SCALE IN FEET
0 15 30

N

Ⓐ Remove Existing Neoprene Expansion Joint and Install Polymer Concrete/Silicone Joint

Bradley G. Hummert Date: 1/31/20

Bradley G. Hummert
Licensed Structural Engineer
in Illinois No. 081-005428

Expires: November 30, 2020

BRADLEY G. HUMMERT 081-005428 LICENSED STRUCTURAL ENGINEER STATE OF ILLINOIS

GENERAL PLAN & ELEVATION
TR 114B (RILEY ROAD) OVER
FAP 322 (US RTE 51)
SECTION 58-20-1-HB1
MACON COUNTY
STATION 16+28.24
STRUCTURE NO. 058-0123

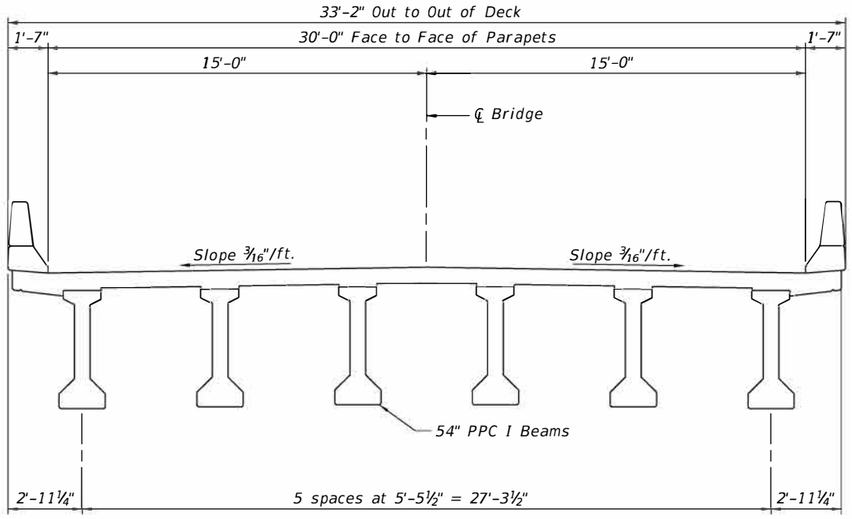
FILE NAME = H:\7322_IDOT_D7_Van\7322_07_WO7_74779_US51_BridgeRepairPlans\058-0123\Merged Files\0580123_74779_01_gpel.dgn		REVISED -	
HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kla..ux	DESIGNED -	REVISED -
	PLOT SCALE = 30. 000 ' / in.	DRAWN -	REVISED -
	PLOT DATE = 1/28/2020	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION

SCALE: | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(46,47)RS-3 (58-20-1)RS-1	MACON	84	66
		CONTRACT NO. 74779		
		ILLINOIS FED. AID PROJECT		



EXISTING CROSS SECTION

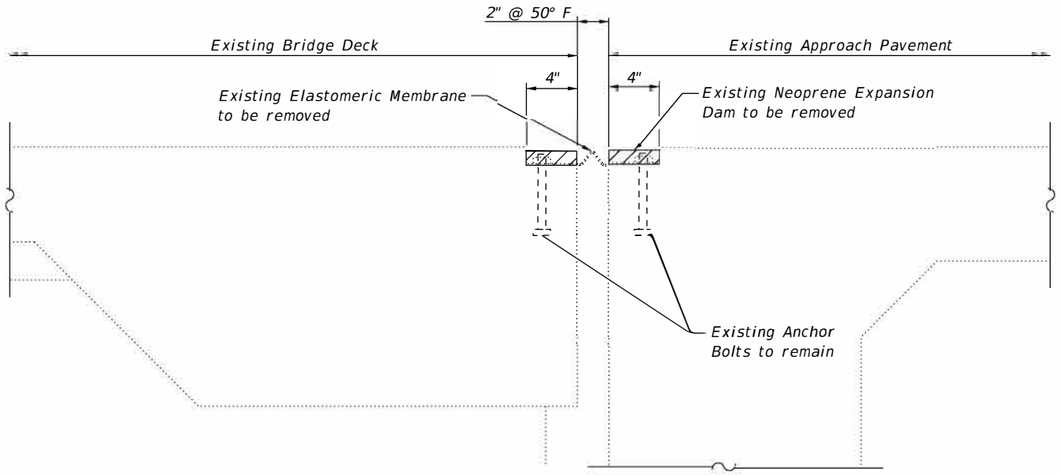
GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

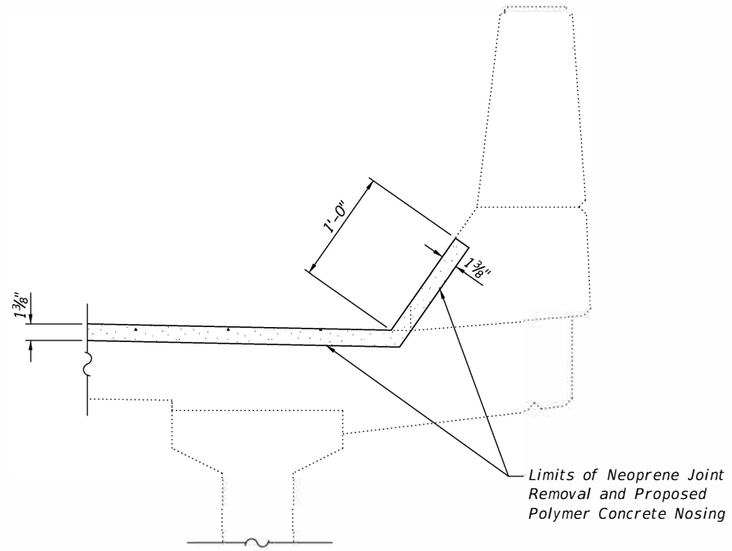
Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.

TOTAL BILL OF MATERIAL

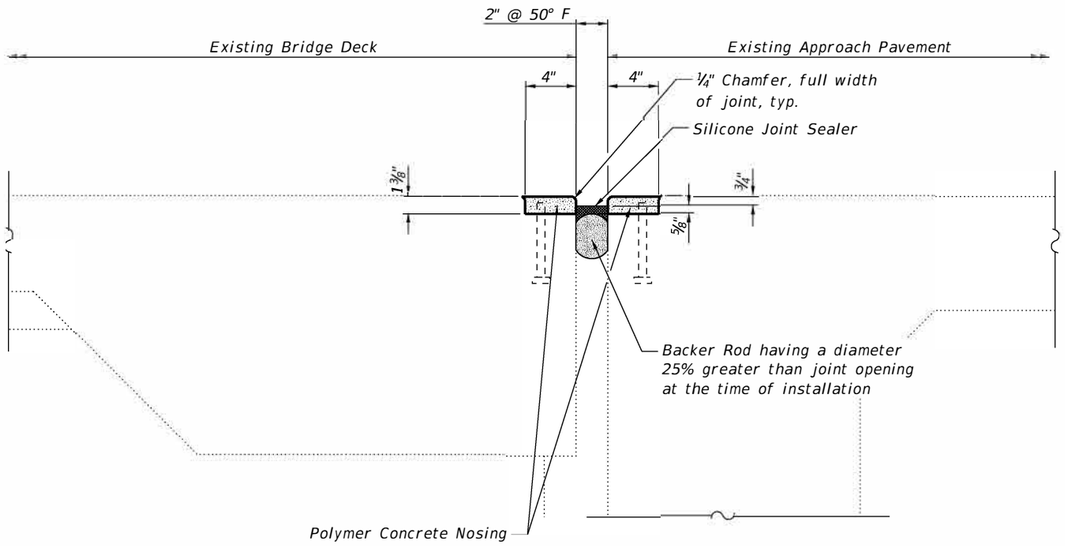
ITEM	UNIT	QUANTITY
Silicone Joint Sealer, 2"	Foot	78
Polymer Concrete	Cu Ft	6.0



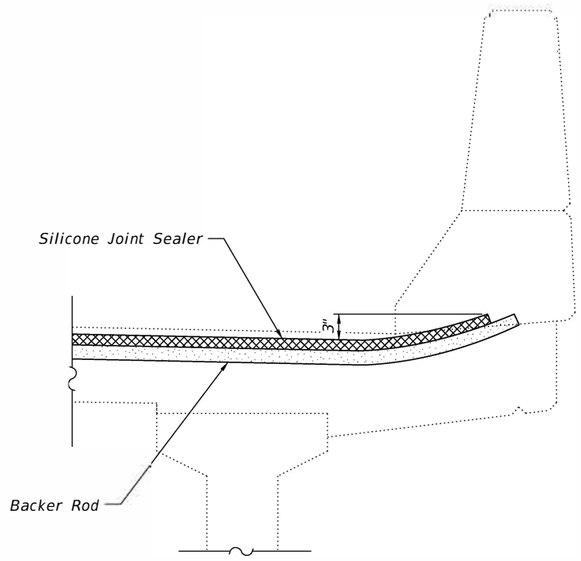
SECTION AT EXISTING JOINT



SECTION AT PARAPET
POLYMER CONCRETE NOSING



SECTION AT PROPOSED JOINT
(At Right Angles to Joint)



SECTION AT PARAPET
SILICONE JOINT SEALER

Notes:

Remove existing neoprene expansion dam and replace with silicone joint sealer and polymer concrete nosing.

Removal of the existing neoprene expansion dam is included in the cost of Silicone Joint Sealer, 2".

FILE NAME = H:\7322_IDOT_D7_Var\7322_07_WO7_74779_US51_BridgeRepairPlans\058-0123\Merged Files\0580123_74779_03_details.dgn		REVISED -	
HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = klaux	DESIGNED -	REVISED -
	PLOT SCALE = 1.0000 ' / in.	DRAWN -	REVISED -
	PLOT DATE = 1/28/2019	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT REPAIR DETAILS
STRUCTURE NO. 058-0123

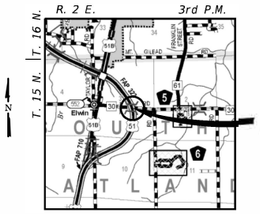
SCALE: | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(46,47)RS-3 (58-20-1)RS-1	MACON	84	68
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

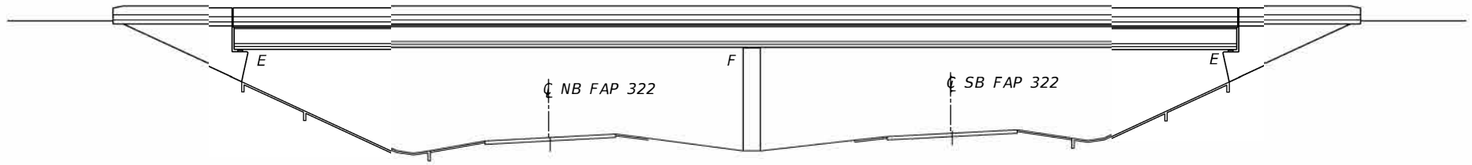
EXISTING STRUCTURE: SN 058-0124

Constructed in 1995, the existing structure consists of two spans of p.p.c. I beams and concrete superstructure deck spanning vaulted concrete abutments on concrete piles and concrete pier on a spread footing with piles. The existing structure measures 249'-0" back to back of approach bents and 43'-2" out to out of the deck.

The existing roadway shall remain open to traffic utilizing stage construction during the construction period.

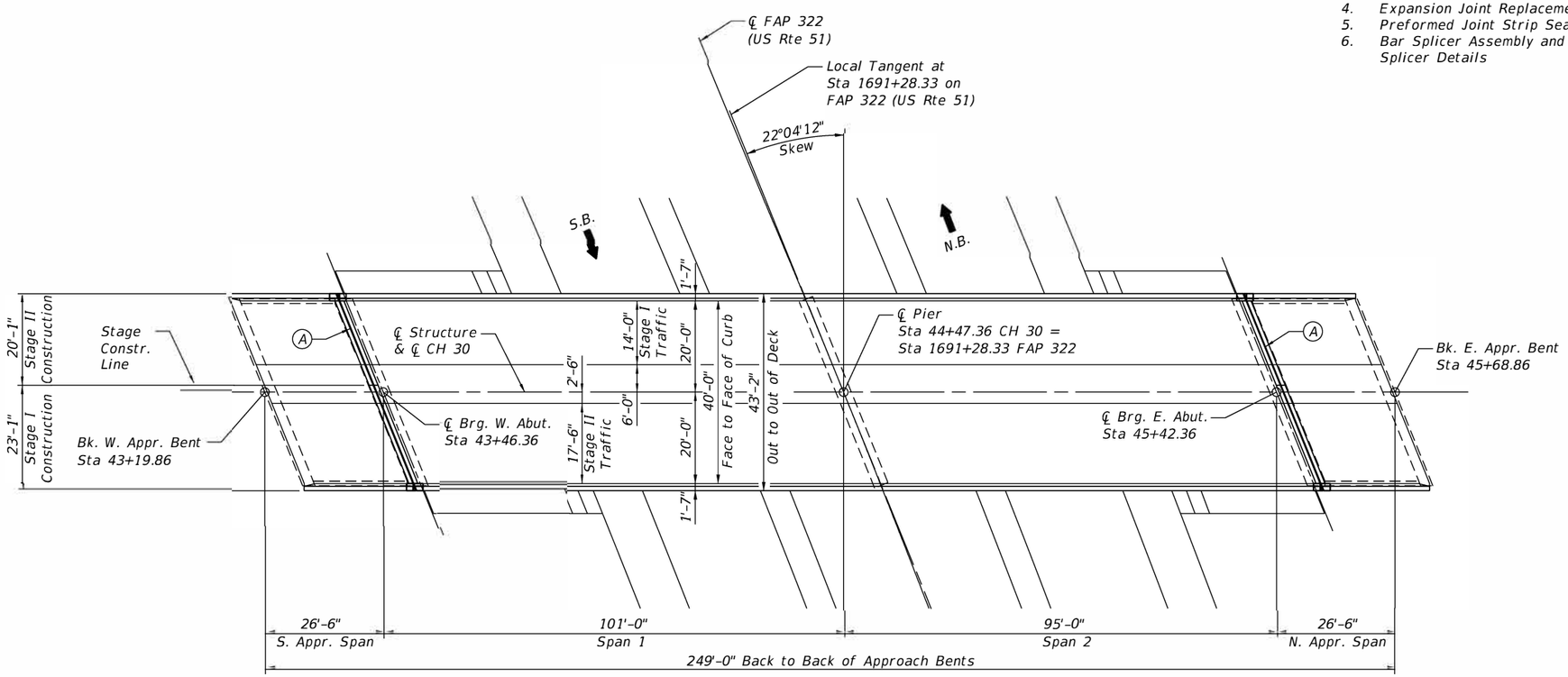


LOCATION SKETCH



ELEVATION

INDEX OF SHEETS



PLAN

SCALE IN FEET
0 15 30

N

Ⓐ Remove Existing Neoprene Expansion Joint and Install Polymer Concrete/Silicone Joint

Bradley G. Hummert Date: 1/13/20

Bradley G. Hummert
Licensed Structural Engineer
in Illinois No. 081-005428

Expires: November 30, 2020

BRADLEY G. HUMMERT 081-005428 LICENSED STRUCTURAL ENGINEER STATE OF ILLINOIS

GENERAL PLAN & ELEVATION
CH 30 OVER
FAP 322 (US RTE 51)
SECTION 58-20-1-HB2
MACON COUNTY
STATION 44+47.36
STRUCTURE NO. 058-0124

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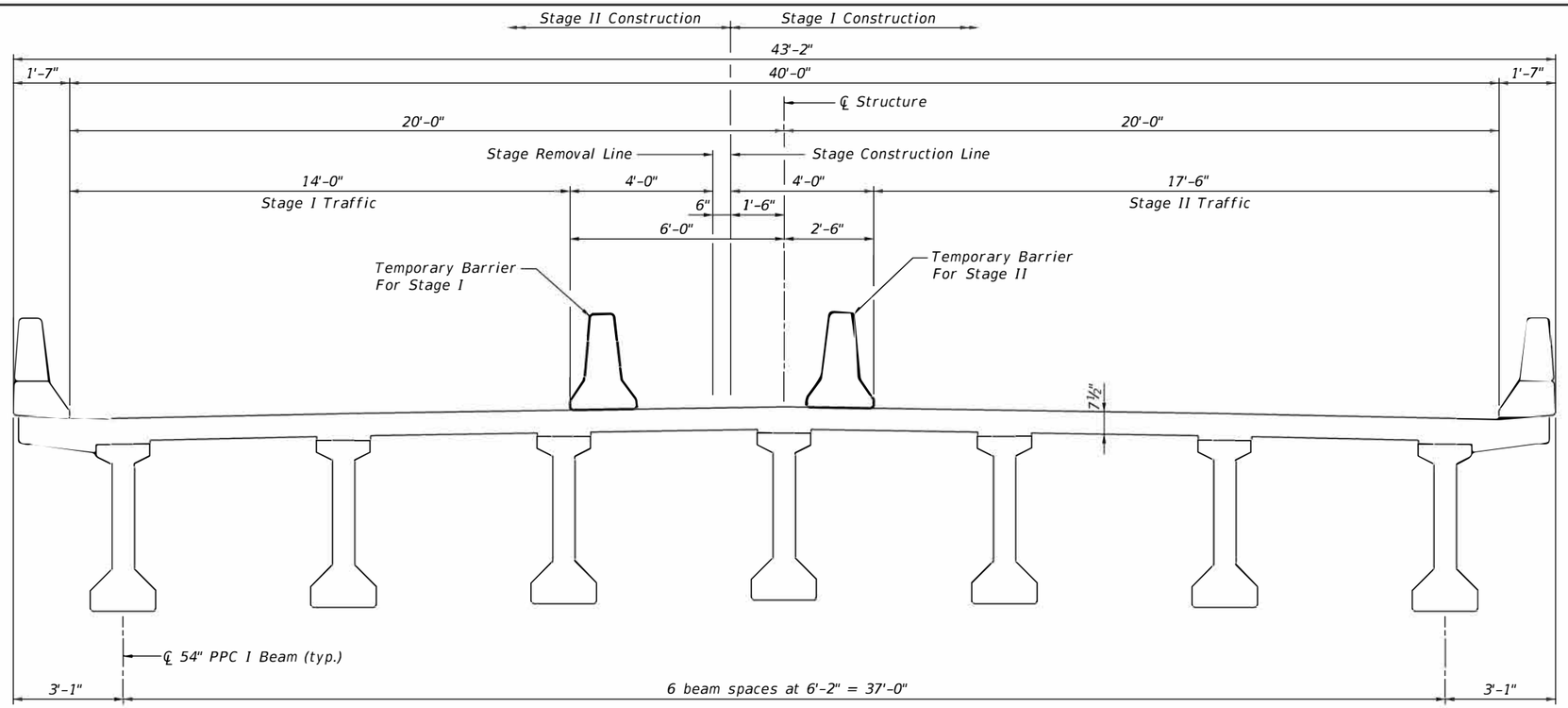
HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = kla...ux	DESIGNED -	REVISED -
	PLOT SCALE = 30. 0000/ in.	DRAWN -	REVISED -
	PLOT DATE = 1/28/2020	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION

SCALE: | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(46,47)RS-3 (58-20-1)RS-1	MACON	84	69
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			



CROSS SECTION
(Looking East)

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu Yd	5.2
Concrete Superstructure	Cu Yd	5.2
Reinforcement Bars, Epoxy Coated	Pound	1,380
Preformed Joint Strip Seal	Foot	93
Bar Splicers	Each	16

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(618) 526-9611

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PLOT DATE = 1/28/2020

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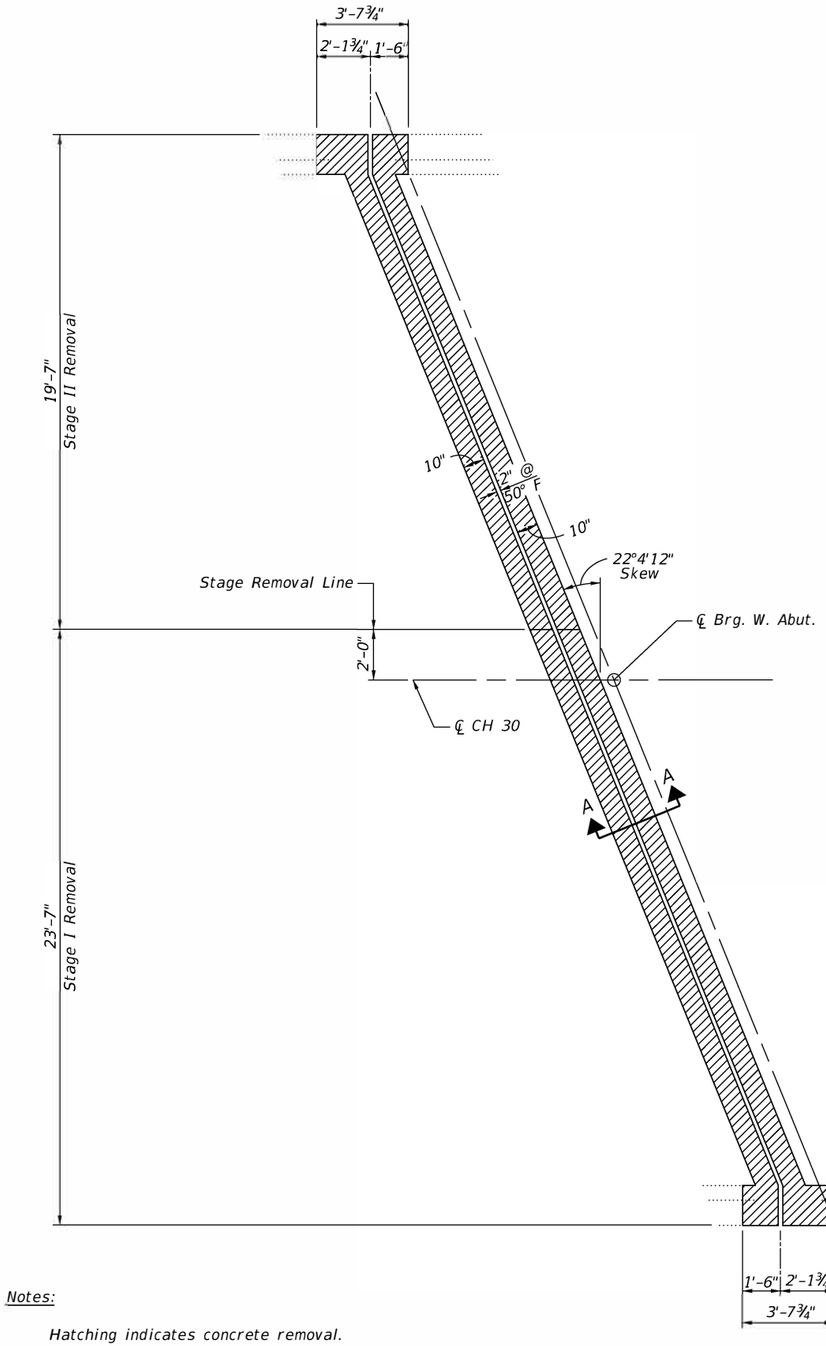
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

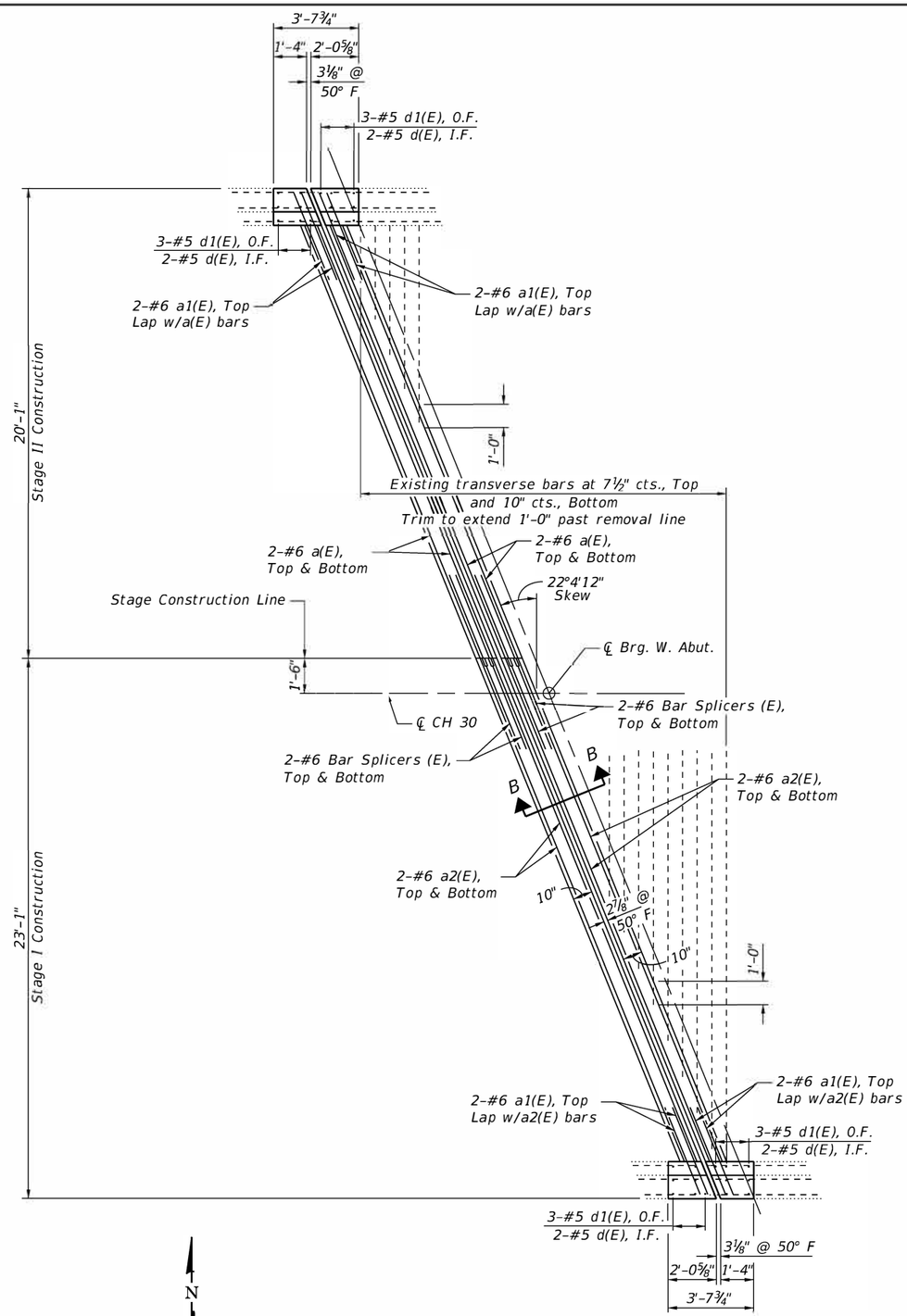
GENERAL NOTES AND BILL OF MATERIAL
STRUCTURE NO. 058-0124

SCALE: | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(46,47)RS-3 (58-20-1)RS-1	MACON	84	70
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			



CONCRETE REMOVAL PLAN
WEST ABUTMENT
East Abutment Similar, but Opposite



CONCRETE REPLACEMENT PLAN
WEST ABUTMENT
East Abutment Similar, but Opposite

Notes:

Hatching indicates concrete removal.

See sheet 4 of 6 for Sections A-A and B-B.

N

SCALE IN FEET
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HMG Engineers • Surveyors — HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = klaux	DESIGNED -	REVISED -
	PLOT SCALE = 6.0000 ' / in.	DRAWN -	REVISED -
	PLOT DATE = 1/28/2020	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAILS
STRUCTURE NO. 058-0124

SCALE: | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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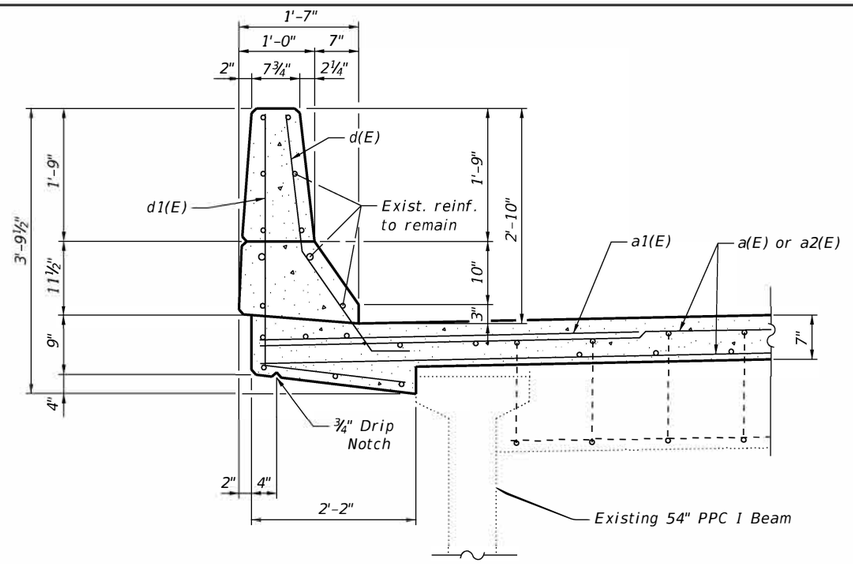
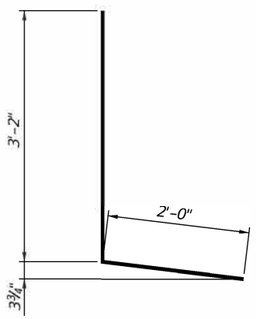
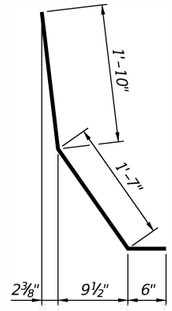
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	



SECTION THRU PARAPET



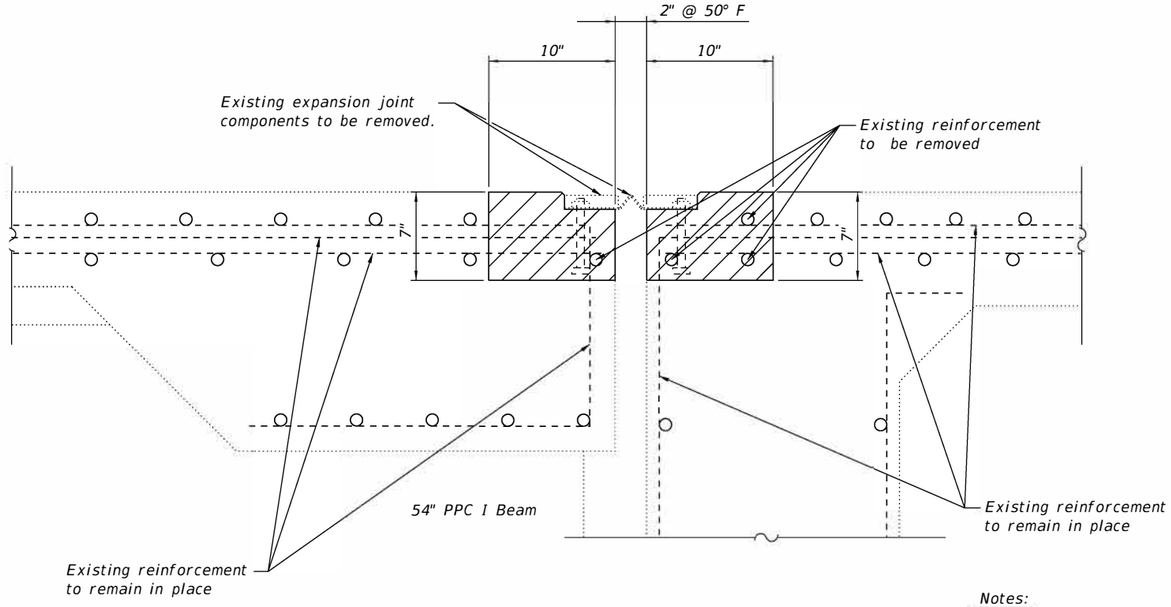
BAR d1(E)



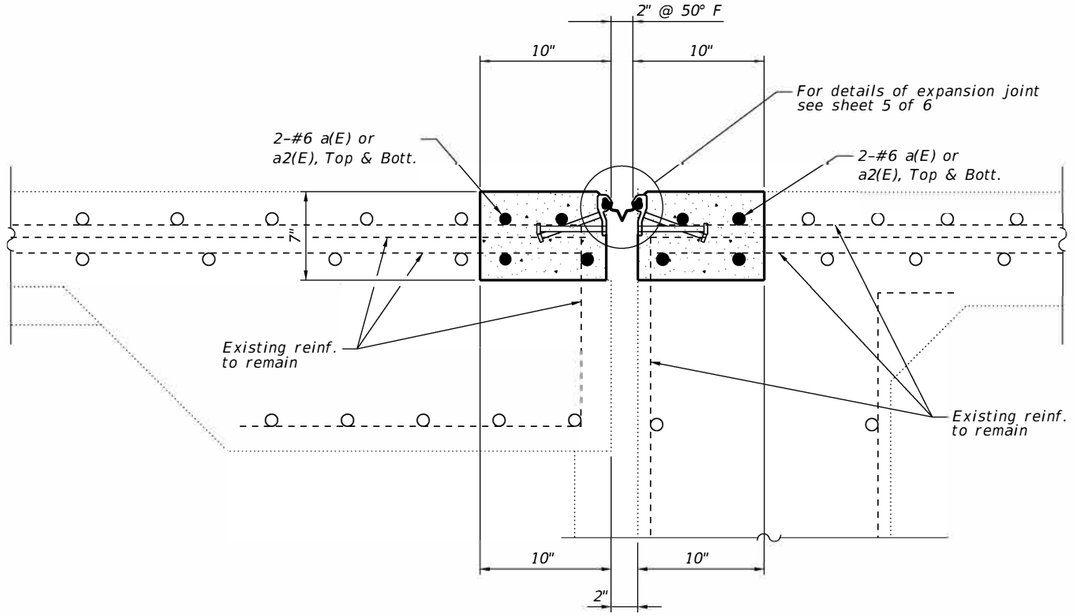
BAR d(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	16	#6	21'-0"	———
a1(E)	16	#6	5'-11"	———
a2(E)	16	#6	24'-0"	———
d(E)	16	#5	3'-11"	⌊
d1(E)	24	#4	5'-2"	L
Concrete Removal			Cu Yd	5.2
Concrete Superstructure			Cu Yd	5.2
Reinforcement Bars, Epoxy Coated			Pound	1,380
Bar Splicers			Each	16



SECTION A-A



SECTION B-B

Notes:

Hatching indicates concrete removal.

Dimensions are at right angles to end of deck.

The contractor shall use extreme care during concrete removal so as not to damage the PPC I-Beam. Any beam damaged shall be repaired or replaced at the Contractor's expense.

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USER NAME = kl..aux

PLOT SCALE = 1. 0000/ in.

PLOT DATE = 1/28/2020

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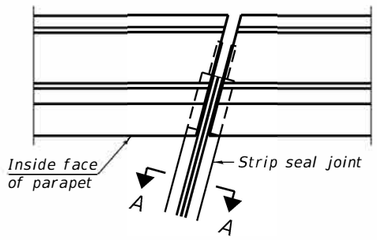
HMG ENGINEERS, INC.
9360 HOLY CROSS LANE
BREESE, ILLINOIS 62230
(618) 526-9611

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

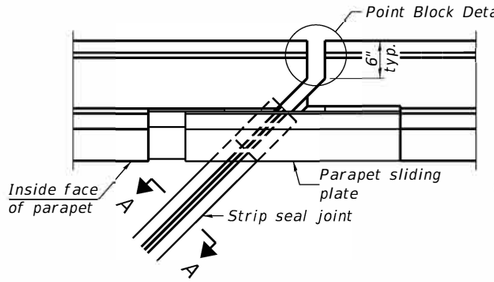
EXPANSION JOINT REPLACEMENT DETAILS
STRUCTURE NO. 058-0124

SCALE: | SHEET 4 OF 6 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(46,47)RS-3 (58-20-1)RS-1	MACON	84	72
		CONTRACT NO. 74779		
	ILLINOIS	FED. AID PROJECT		

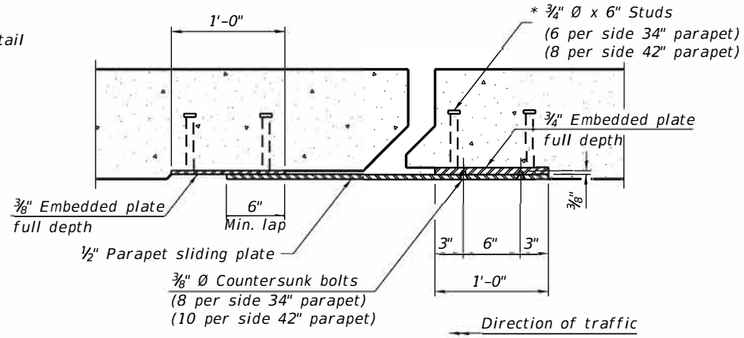


FOR SKEWS ≤ 30°

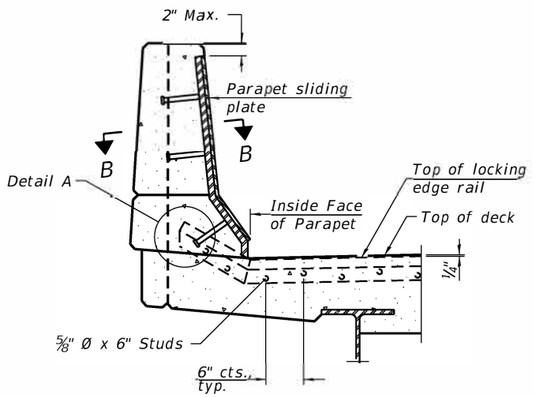


FOR SKEWS > 30°

PLAN AT PARAPET

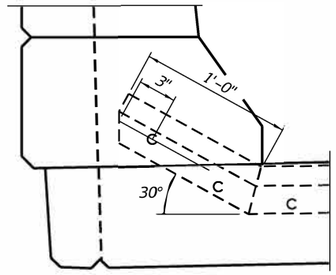


SECTION B–B

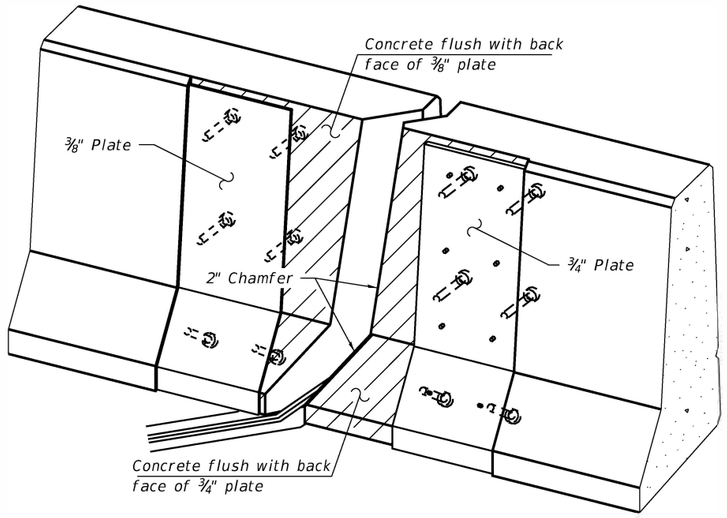


ELEVATION AT PARAPET

(Skews > 30° shown. Skews ≤ 30° similar except as shown in plan view.)



DETAIL A



TRIMETRIC VIEW

(Showing embedded plates only)

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of ¼". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4½" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

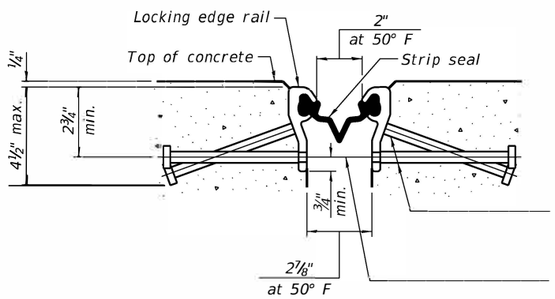
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.

34" F–shape barrier shown, 42" F–shape similar as noted.

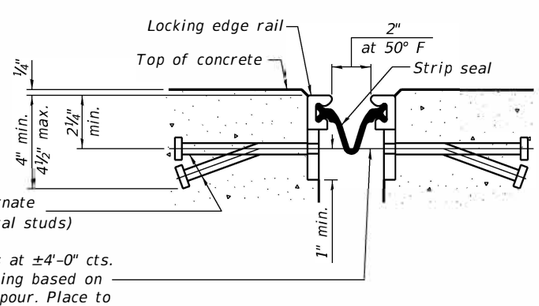
The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.



SHOWING ROLLED RAIL JOINT

* ⅜" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

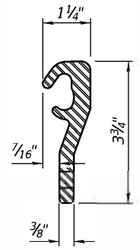
⅜" ϕ threaded rods in 7/16" ϕ holes at ±4'–0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.



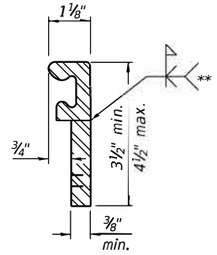
SHOWING WELDED RAIL JOINT

SECTION A–A

** Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.*



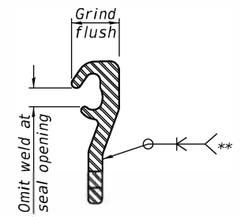
ROLLED (EXTRUDED) RAIL



WELDED RAIL

LOCKING EDGE RAILS

*** Back gouge not required if complete joint penetration is verified by mock–up.*



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

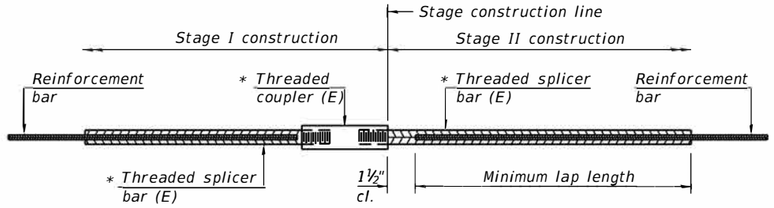
BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	93

EJ–SS 8–11–17

FILE NAME = H:\7322_IDOT_D7_Var\7322_07_WO7_74779_US51_BridgeRepairPlans\058-0124\Merged Files\0580124_74779_05_exjt.dgn			REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PREFORMED JOINT STRIP SEAL STRUCTURE NO. 058-0124
HMG Engineers • Surveyors — HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = klaux	DESIGNED -	REVISED -		SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.
	PLOT SCALE = 2.0000 ' / in.	DRAWN -	REVISED -		
	PLOT DATE = 1/28/2020	CHECKED -	REVISED -		

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(46,47)RS-3 (58-20-1)RS-1	MACON	84	73
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

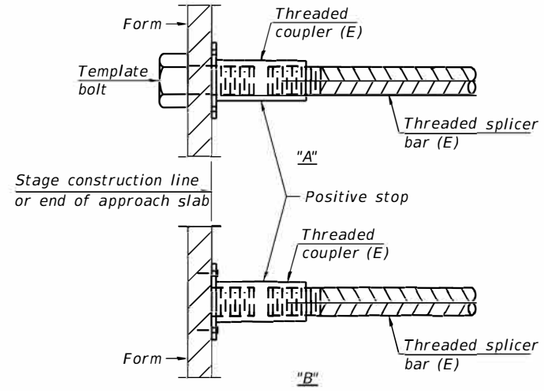


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1½" + thread length

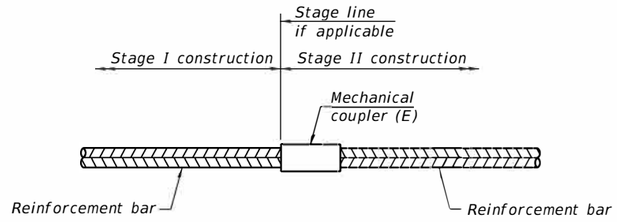
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Expansion Joint	#6	16	3'-7"



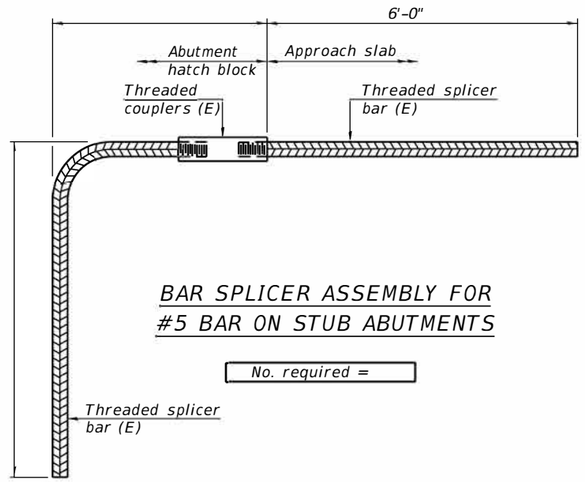
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1 2-17-2017

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USER NAME = klaux
PLOT SCALE = 2.0000 '/ in.
PLOT DATE = 1/28/2020

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REVISED -
REVISED -
REVISED -
REVISED -

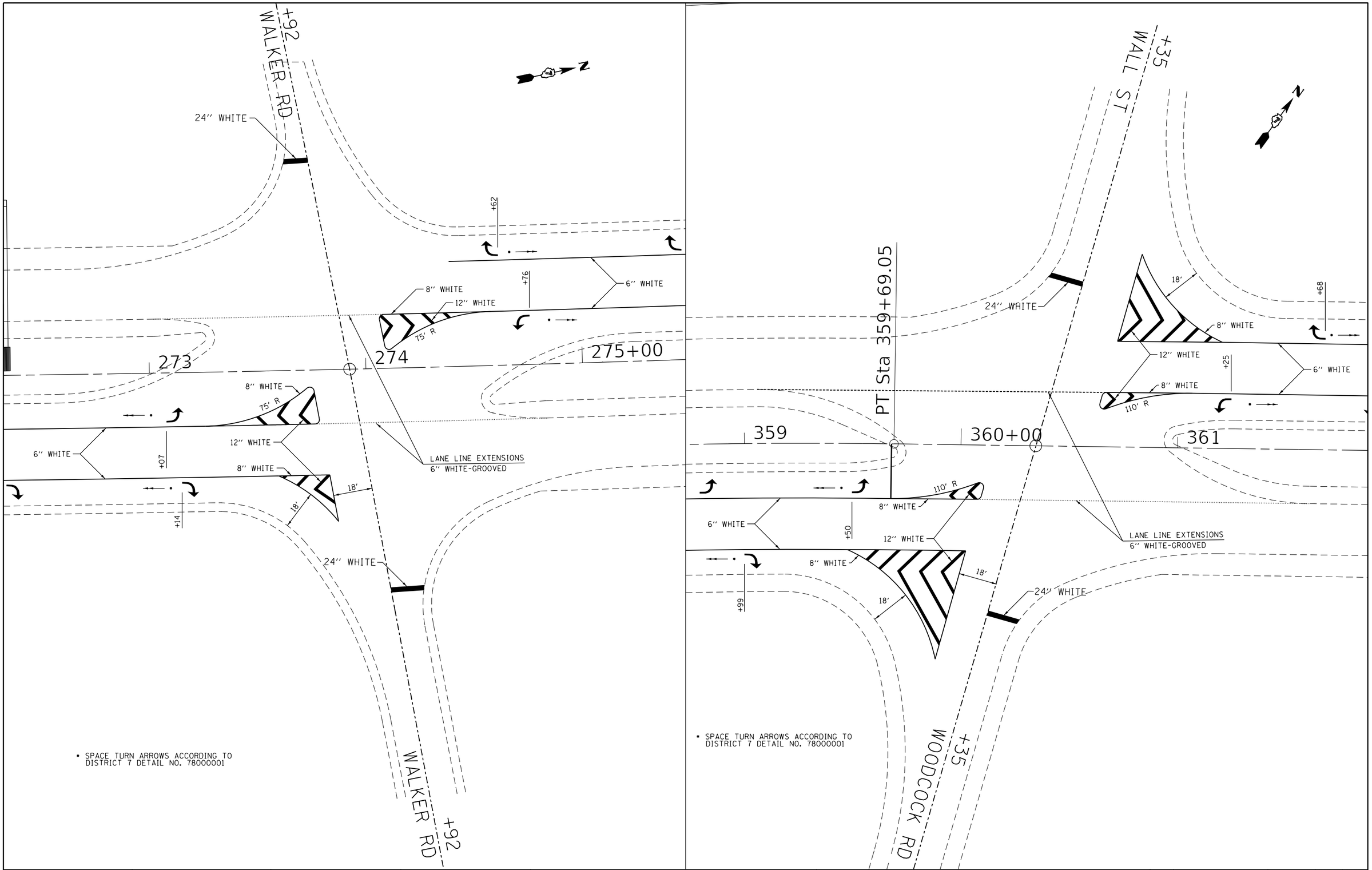
HMG Engineers • Surveyors
HMG ENGINEERS, INC.
9360 HOLY CROSS LANE
BREESE, ILLINOIS 62230
(618) 526-9611

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 058-0124

SCALE: | SHEET 6 OF 6 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(46,47)RS-3 (58-20-1) RS-1	MACON	84	74
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			



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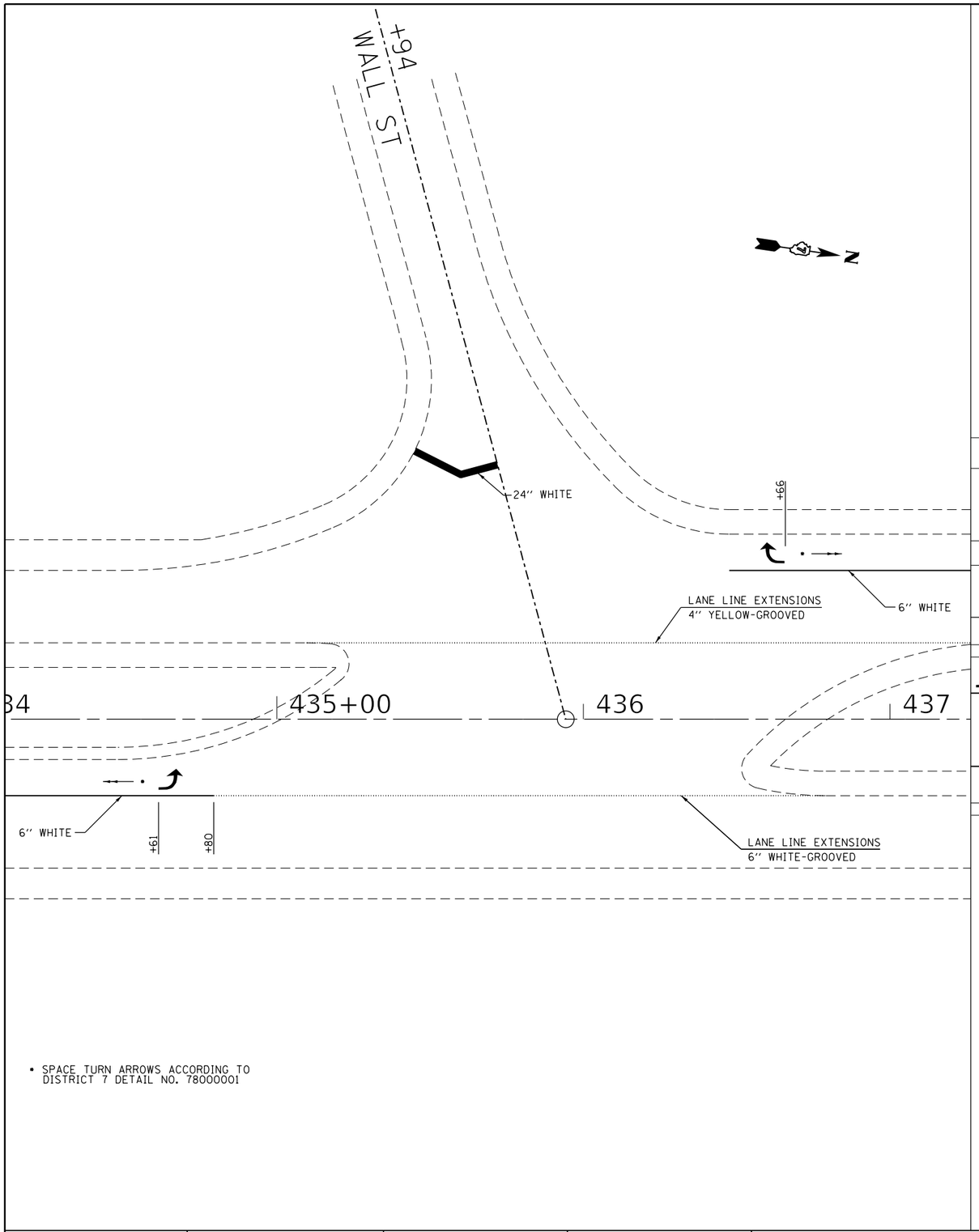
Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

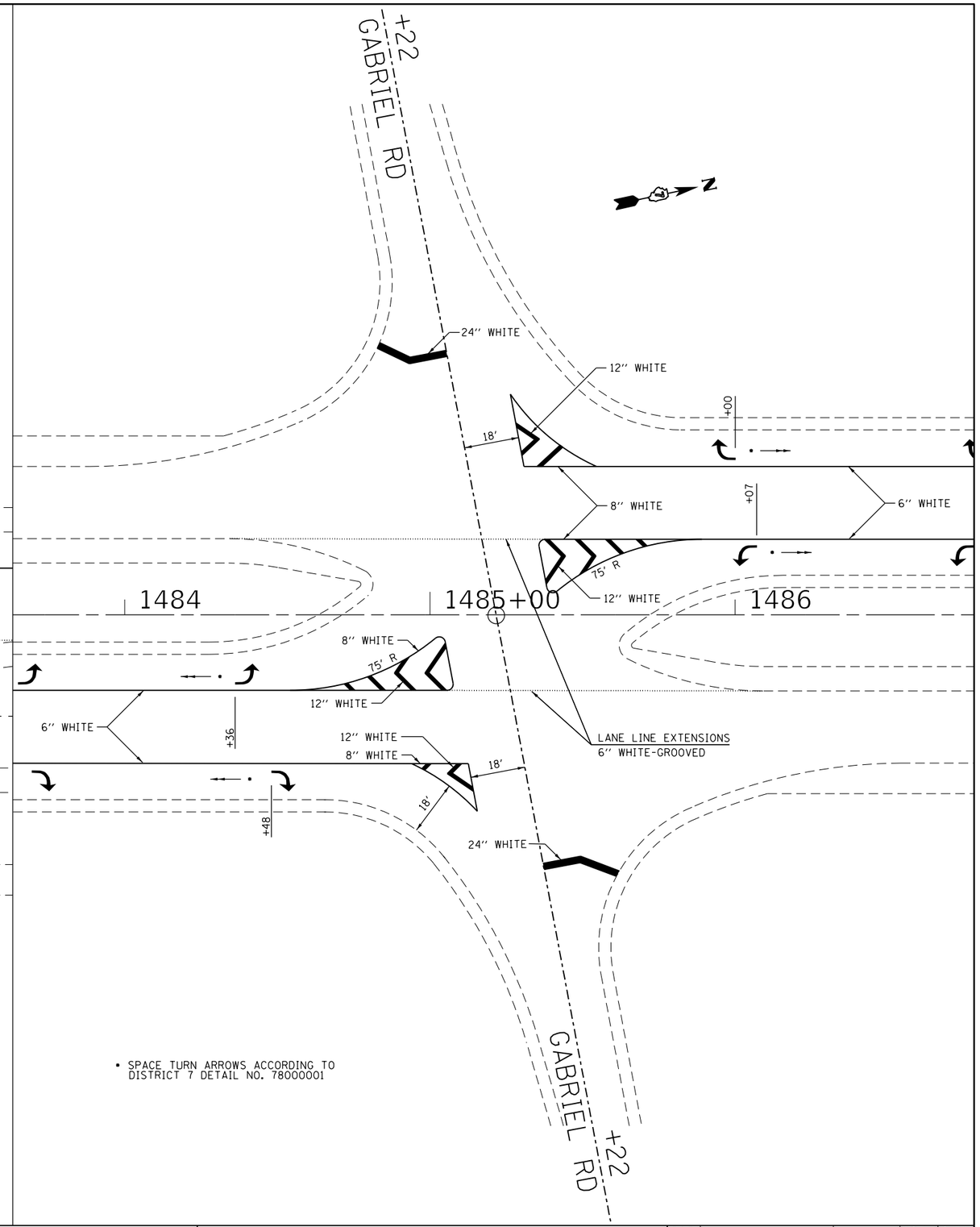
STRIPING DETAILS

SCALE: 1" = 20' | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	75
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	



• SPACE TURN ARROWS ACCORDING TO DISTRICT 7 DETAIL NO. 78000001



• SPACE TURN ARROWS ACCORDING TO DISTRICT 7 DETAIL NO. 78000001

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Default	PLOT DATE = 1/29/2020	DATE -	REVISED -

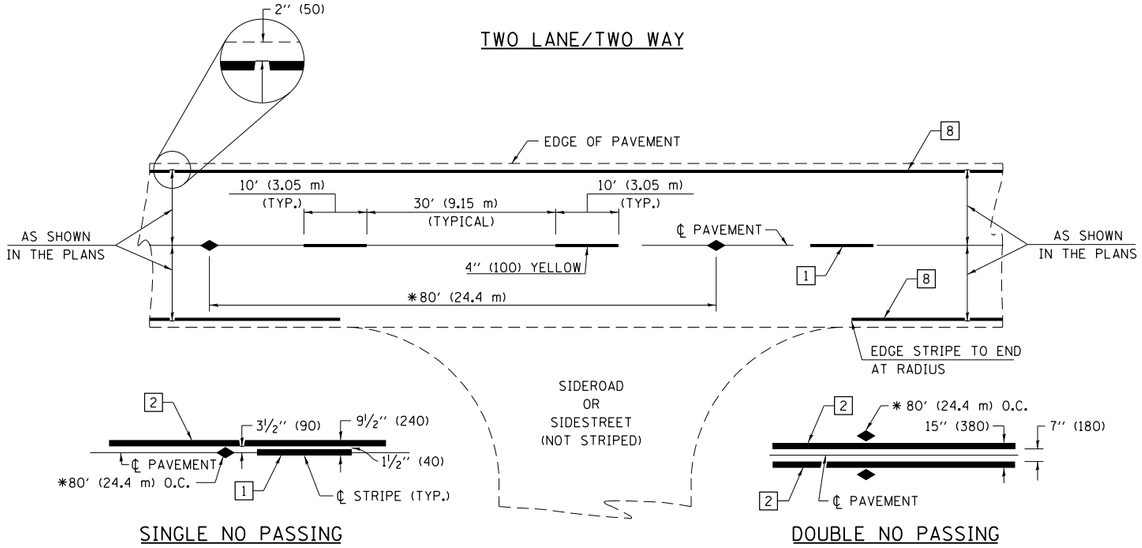
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRIPING DETAILS

SCALE: 1" = 20' | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	76
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

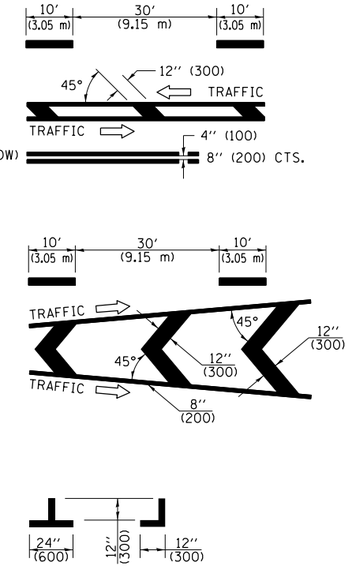
TWO LANE/TWO WAY

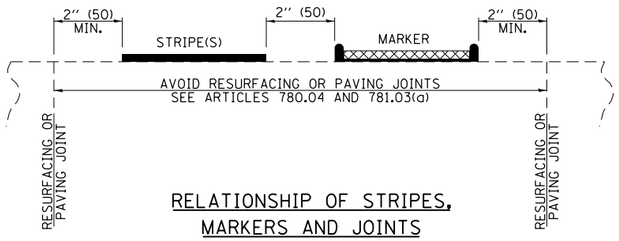


* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

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



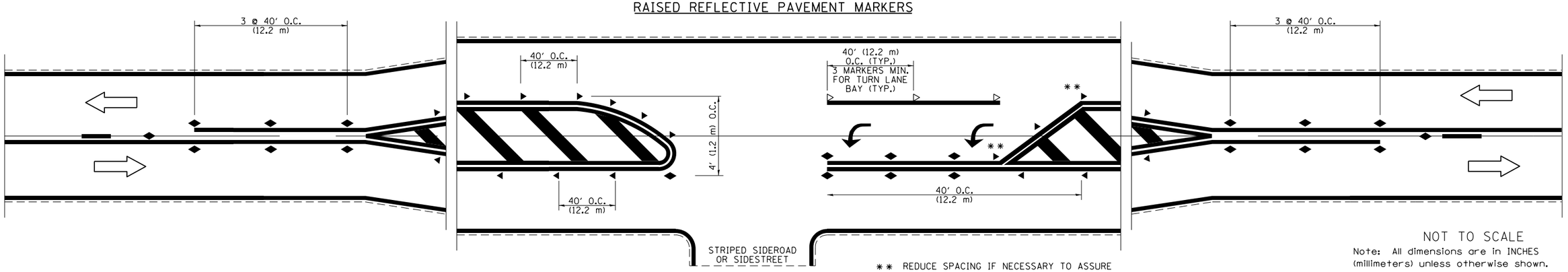


RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

TYPICAL PAVEMENT MARKERS LEGEND

- TWO-WAY AMBER MARKER
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER

RAISED REFLECTIVE PAVEMENT MARKERS



** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 78000001

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	PLOT DATE = 1/29/2020	DATE -	REVISED -

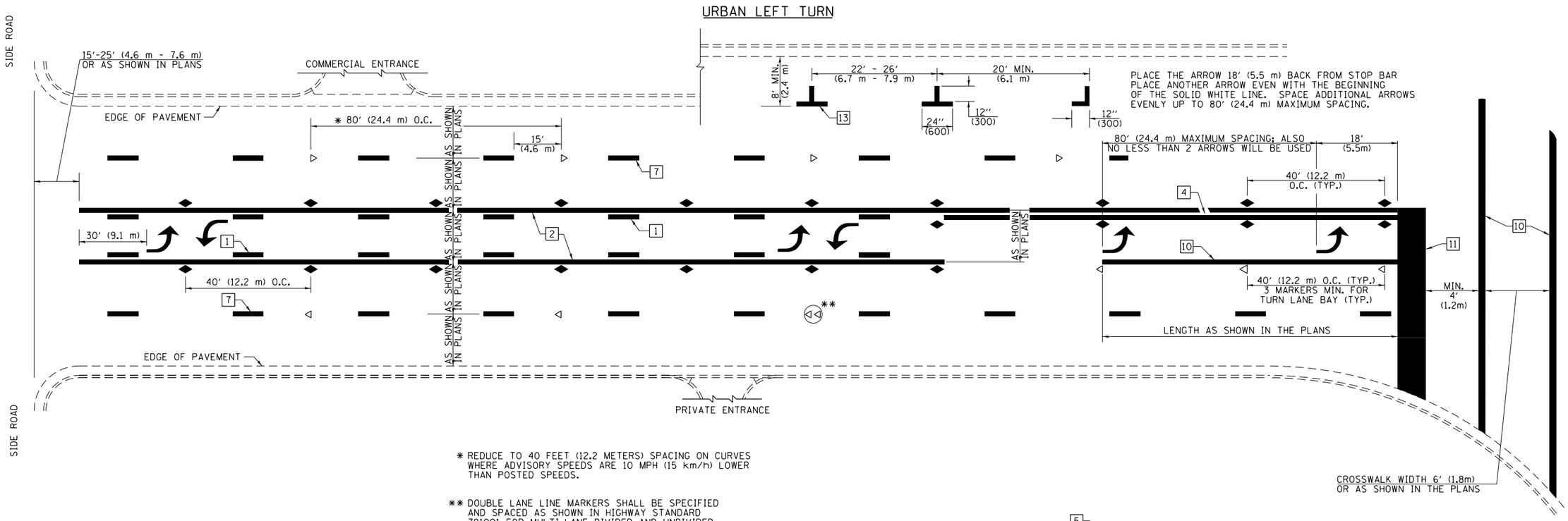
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: N/A | SHEET NO. 1 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	77
		CONTRACT NO. 74779		
		ILLINOIS	FED. AID PROJECT	

URBAN LEFT TURN

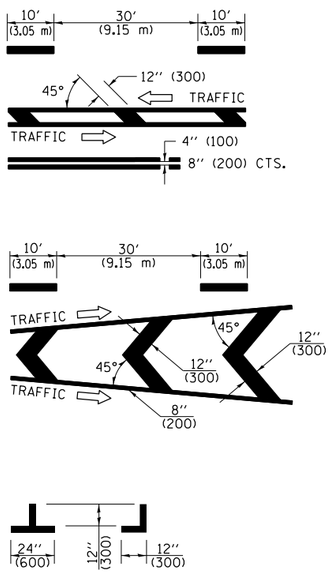


* REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

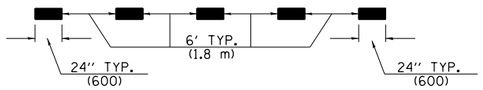
PAVEMENT MARKING LEGEND

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

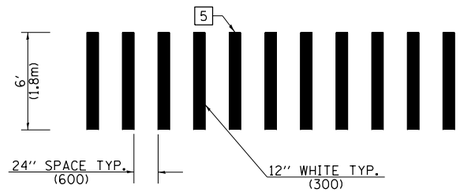


GENERAL NOTES

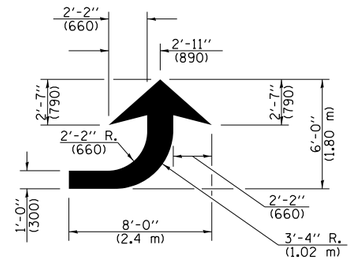
1. TURN ARROW PAIRS SHALL BE PLACED AT 250'(75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
2. THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
3. THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER.
4. USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)
5. LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.



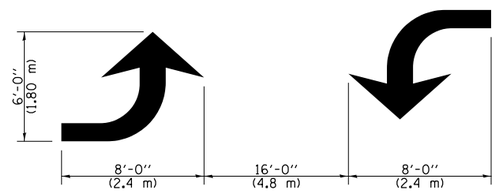
LANE LINE EXTENSIONS



CROSSWALK DETAIL
(DECATUR CITY LIMITS ONLY)



LEFT ARROW
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m^2)
(WHITE)



TYPICAL DOUBLE
TURN ARROWS (WHITE)

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 78000001

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		DRAWN -	REVISED -
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	PLOT DATE = 1/29/2020	DATE -	REVISED -

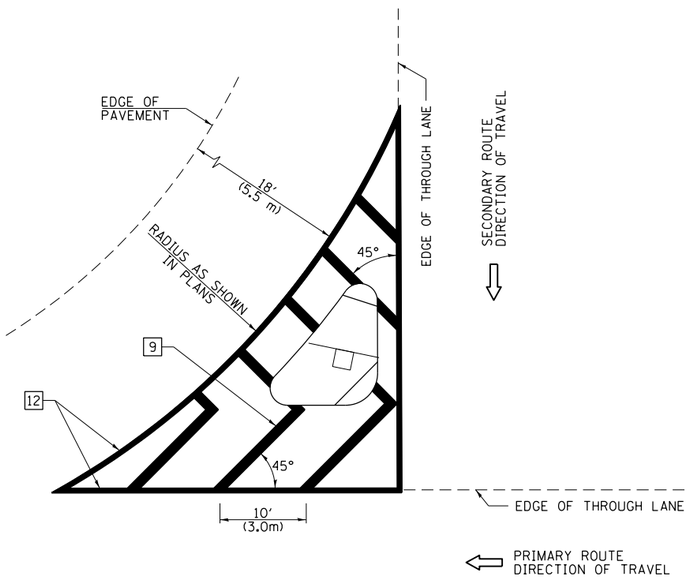
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: N/A | SHEET NO. 2 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	78
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			

ISLAND

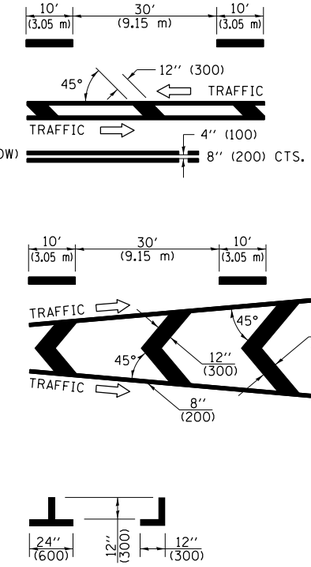


GENERAL NOTES

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.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
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 THE DIAGONAL PAVEMENT MARKING SPACING:

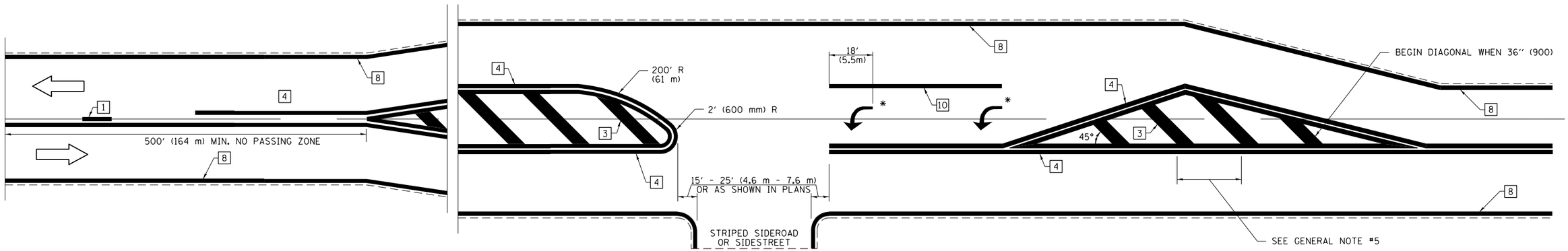
< 30 MPH	(< 50 km/h)	15′ (4.5 m)
30-45 MPH	(50-75 km/h	20′ (6.0 m)
> 45 MPH	(> 75 km/h	30′ (9.0 m)

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

RURAL LEFT TURN STRIPING



* PLACE AN ARROW 18′ (5.5 m) BACK FROM STOP BAR. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING 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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	PLOT DATE = 1/29/2020	DATE -	REVISED -

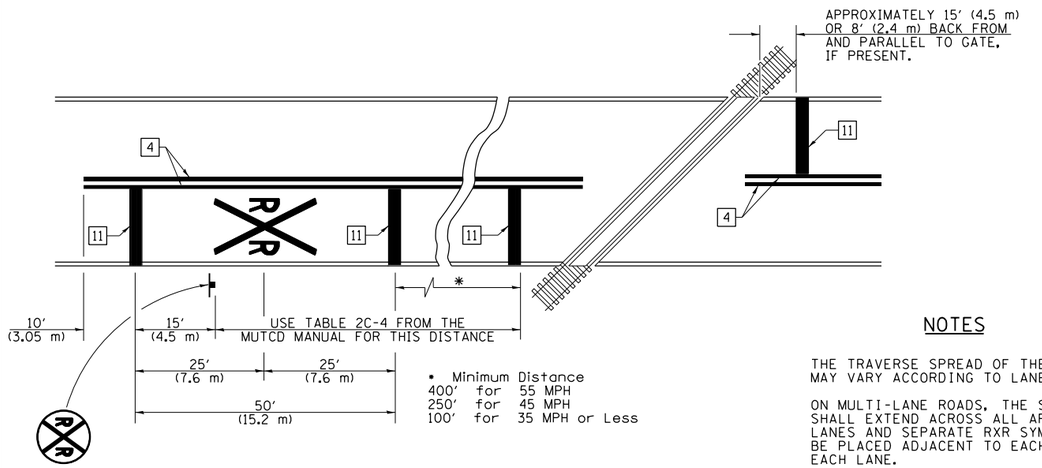
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

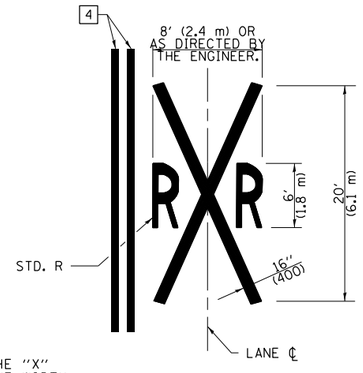
PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)

SCALE: N/A | SHEET NO. 3 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	79
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING





NOTES

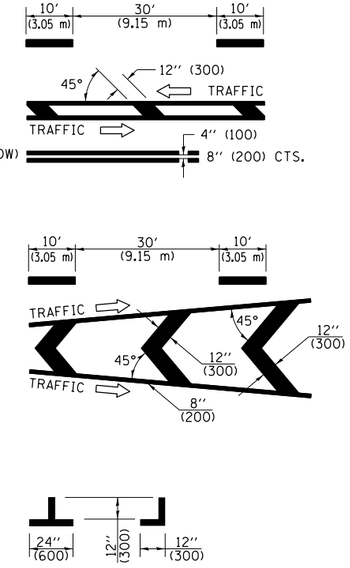
THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

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.

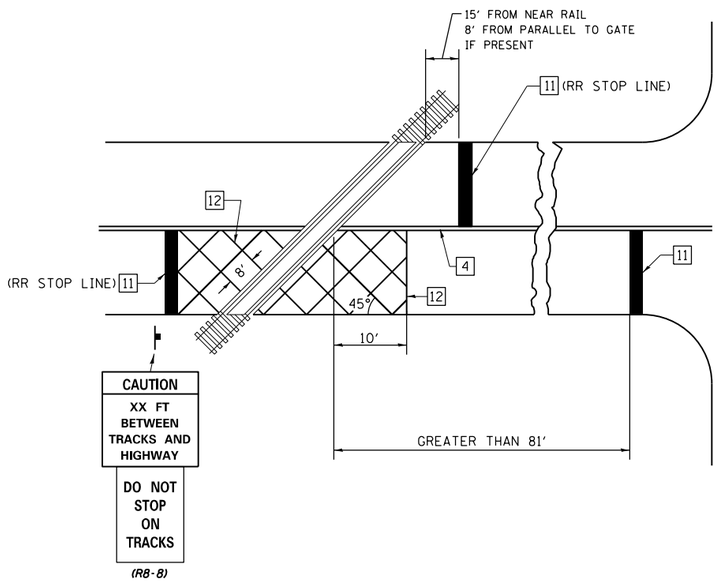
WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

PAVEMENT MARKING LEGEND

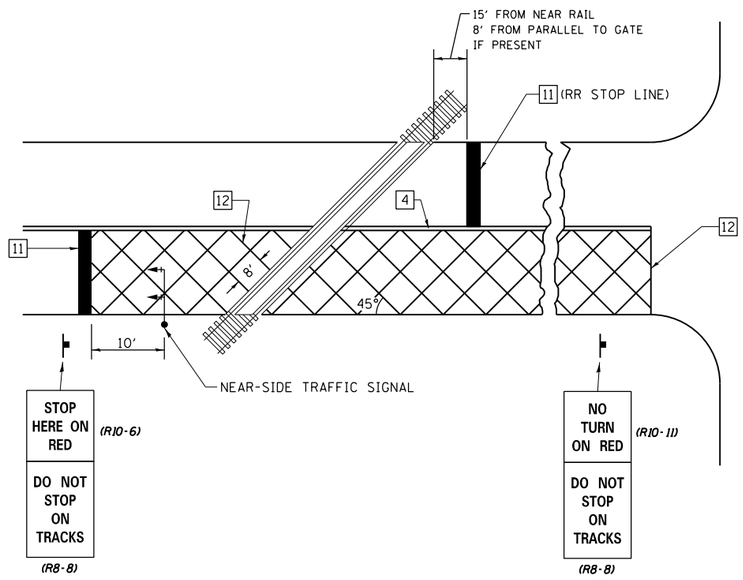
1. 4" (100) SKIP-DASH (YELLOW)
2. 4" (100) SOLID (YELLOW)
3. 12" (300) DIAGONAL (YELLOW)
4. 4" (100) DOUBLE YELLOW (NARROW)
5. 12" (300) SOLID WHITE
6. RESERVED
7. 6" (150) SKIP-DASH (WHITE)
8. 4" (100) SOLID (WHITE)
9. 12" (300) DIAGONAL (WHITE)
10. 6" (150) SOLID (WHITE)
11. 24" (600) STOP BAR (WHITE)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



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.

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 78000001

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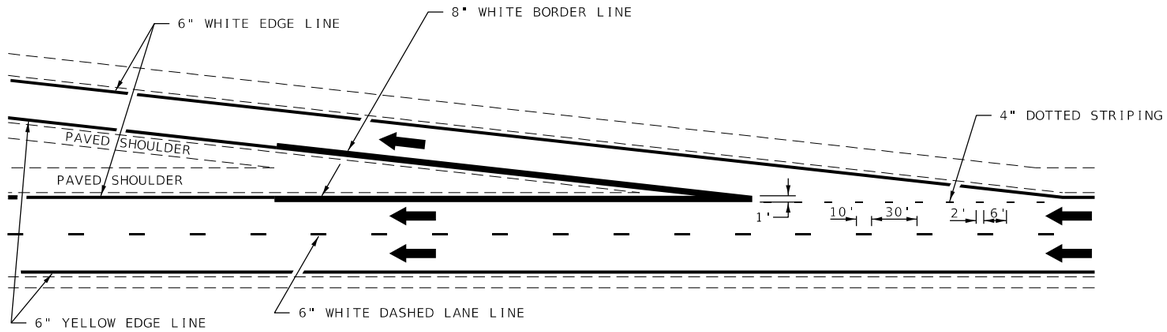
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

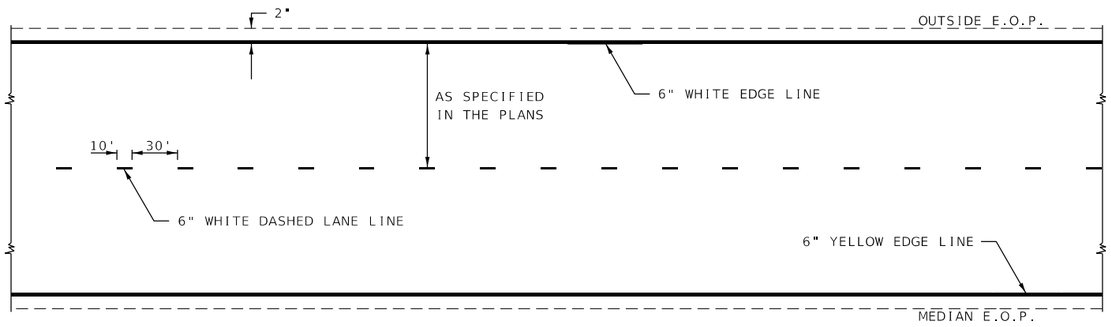
PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)

SCALE: N/A | SHEET NO. 4 OF 4 SHEETS | STA. | TO STA.

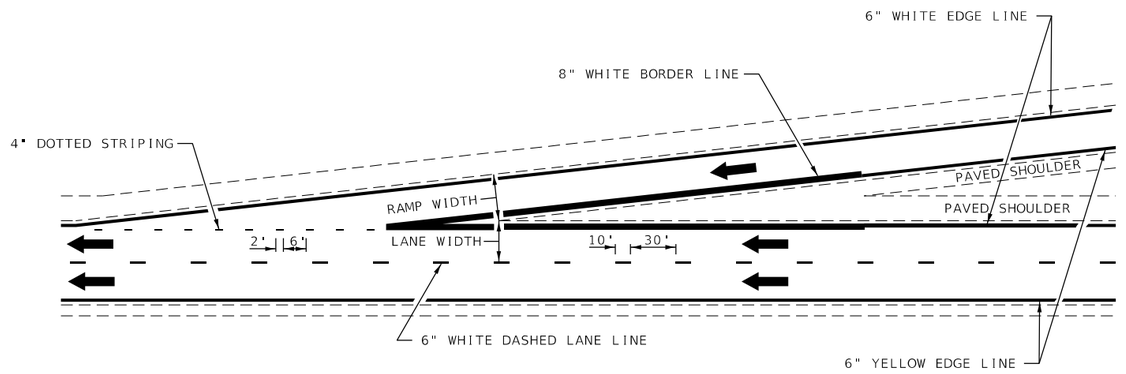
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	80
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			



TYPICAL EXIT RAMP MARKING



TYPICAL CENTERLING & EDGELINE MARKINGS



TYPICAL ENTRANCE RAMP MARKING

NOT TO SCALE

DISTRICT 7 DETAIL NO. 78000002

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	DRAWN -	REVISED -	MKS 04-08
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DRM 01-09
PLOT DATE = 1/29/2020	DATE -	REVISED -	DRM 12-10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS OF FREEWAY/EXPRESSWAY PAVEMENT MARKING

SCALE: | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	81
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			

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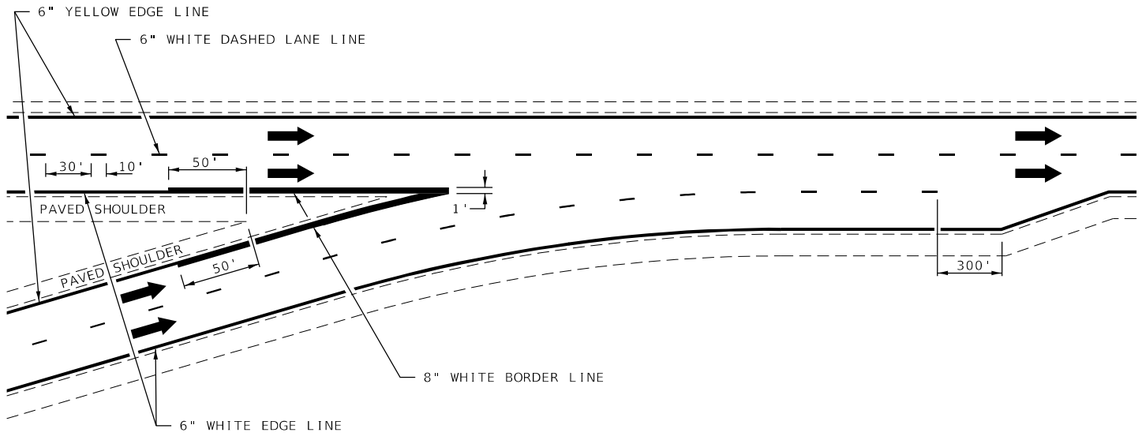
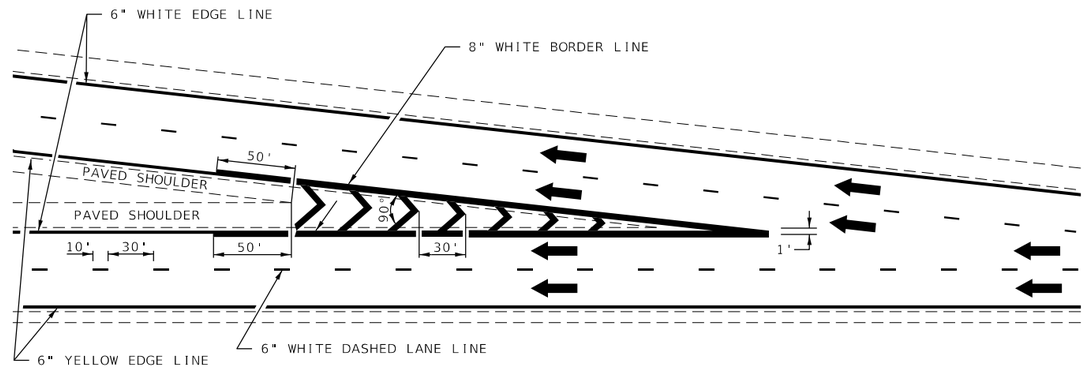
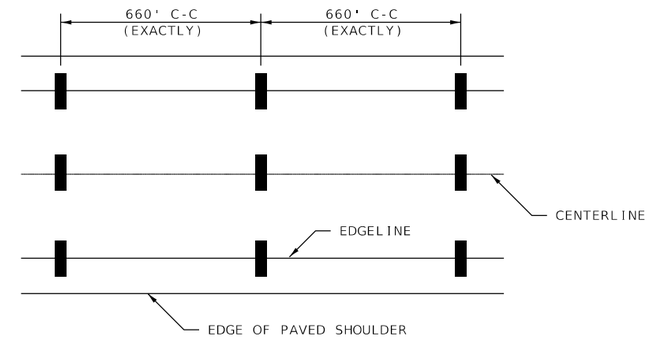


TYPICAL CONVERGENCE MARKING

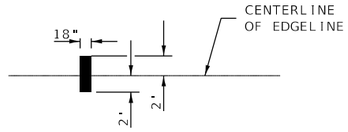


TYPICAL DIVERGENCE MARKING

AERIAL SPEED CHECK ZONES



IT WILL BE NECESSARY TO HAVE A REPRESENTATIVE OF THE STATE POLICE PRESENT SO THAT THE ACCURACY OF MEASUREMENT CAN BE ATTESTED TO IN COURT.



NOT TO SCALE

DISTRICT 7 DETAIL NO. 78000002

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 = 1/29/2020	DATE -	REVISED -	DRM 01-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS OF FREEWAY/EXPRESSWAY PAVEMENT MARKING

SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	82
		CONTRACT NO. 74779		
	ILLINOIS FED. AID PROJECT			

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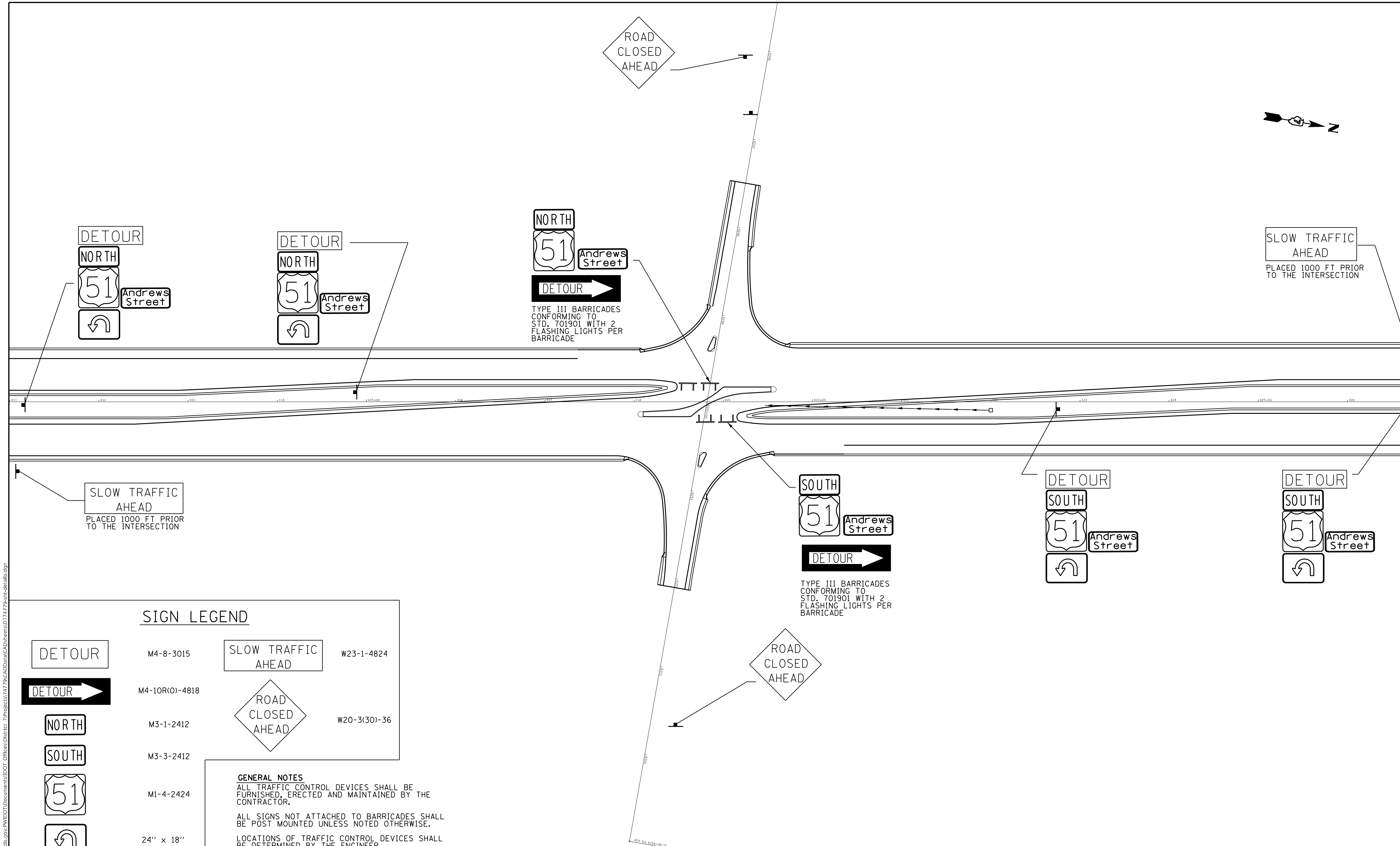


SIGN LEGEND

Sign	Code	Sign	Code
DETOUR	M4-8-3015	SLOW TRAFFIC AHEAD	W23-1-4824
DETOUR (arrow)	M4-10R(0)-4818	ROAD CLOSED AHEAD	W20-3(30)-36
NORTH	M3-1-2412		
SOUTH	M3-3-2412		
51	M1-4-2424		
(U-turn arrow)	24'' x 18''		
Andrews Street	W16-8aP-4824 (0)		

GENERAL NOTES

ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.

ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED UNLESS NOTED OTHERWISE.

LOCATIONS OF TRAFFIC CONTROL DEVICES SHALL BE DETERMINED BY THE ENGINEER.

SEE DETOUR SIGNING SPECIAL PROVISION

MODEL: Default
FILE NAME: pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 7\Projects\74779\CADData\CADsheets\D774779-sht-details.dgn

USER NAME = steffenmk	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 1/29/2020	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING

SCALE: SHEET OF SHEETS STA. TO STA.

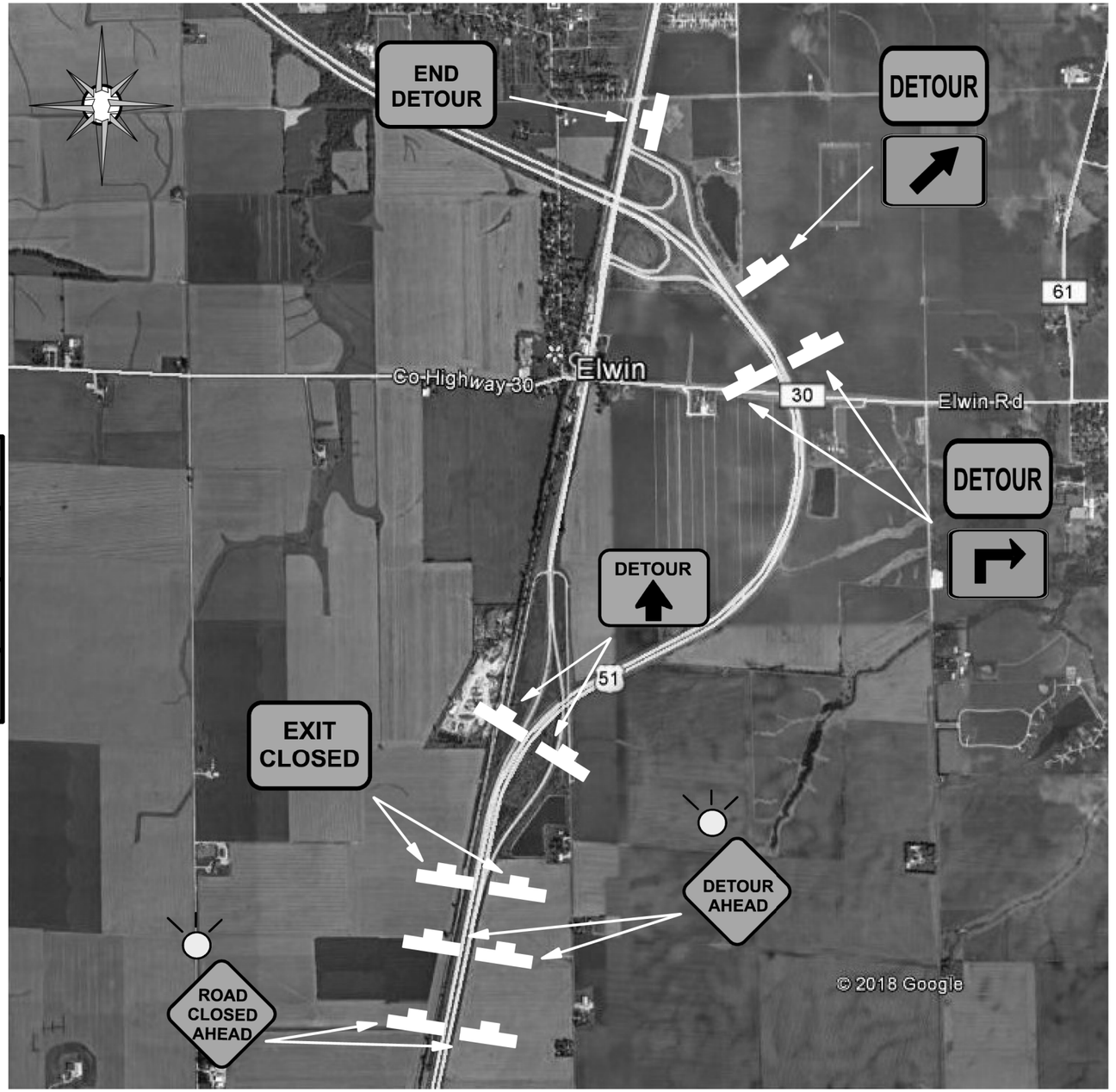
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	83

CONTRACT NO. 74779

ILLINOIS | FED. AID PROJECT

SIGN LEGEND

ROAD CLOSED AHEAD	W20-3(O)-48	DETOUR	M4-8-2412
DETOUR AHEAD	W20-2(O)-48		M5-1R(O)-3018
END DETOUR	M4-8a(O)-3024	DETOUR	M4-9(UP)(O)-3024
EXIT CLOSED	E5-2a(O)-4836		M5-2R(O)-3018



Contract No. 74779

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USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETOUR SIGNING	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -			322A	(46,47)RS-3, (58-20-1)RS-1	MACON	84	84
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 74779		
PLOT DATE = 1/29/2020	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT	