

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	105 RS-1	EFFINGHAM	30	1
		ILLINOIS	CONTRACT NO. 74941	

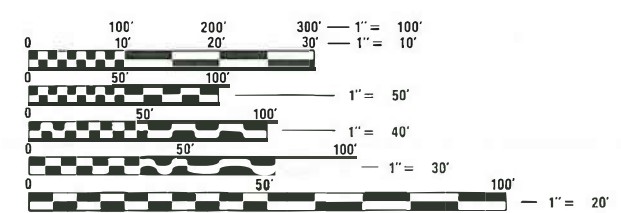
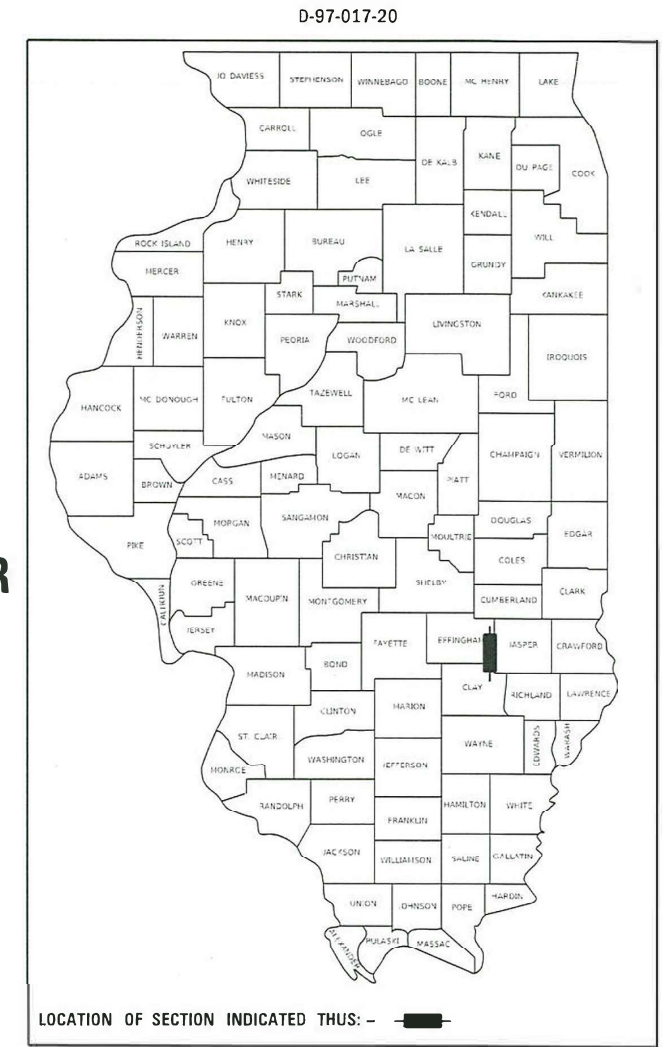
FOR INDEX OF SHEETS, SEE SHEET NO. 2
ADT = 1,600 (2018)

STATION EQUATIONS:
525+00 BK = 524+00 AH

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 828 (DIETERICH BLACKTOP)
SECTION 105 RS-1
PROJECT STP-HSIP-79KF(442)
RESURFACING /HMA SHOULDERS /BRIDGE REPAIR
EFFINGHAM COUNTY

C-97-017-20



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

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

PROJECT ENGINEER BRIAN LEWIS
PROJECT MANAGER BRANDON BAILEY & MARIA BLOEMER
PHONE: (217) 342-8360
CONTRACT NO. 74941

GROSS LENGTH = 53,235 FT. = 10.08 MILE
NET LENGTH = 53,076 FT. = 10.05 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 14 2020
[Signature] REGIONAL ENGINEER

January 29, 2021
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

January 29, 2021
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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OF THE STATE OF ILLINOIS

THE PROPOSED PROJECT IS LOCATED ON THE DIETERICH BLACKTOP FROM CHURCH STREET TO THE EFFINGHAM/CLAY COUNTY LINE.

THE WORK IN THIS SECTION CONSISTS OF PLACING HMA SAFETY SHOULDERS, HMA SURFACE REMOVAL AND RESURFACING, AGGREGATE SHOULDERS, RUMBLE STRIPS, BRIDGE DECK SCARIFICATION, BRIDGE DECK CONCRETE OVERLAY, DECK PATCHING, EXPANSION JOINTS, PAINT PAVEMENT MARKING, AND ANY OTHER WORK NEEDED TO COMPLETE THIS SECTION.

ORDER/SEQUENCE OF OPERATIONS:

- CONSTRUCT HMA SURFACE REMOVAL 1.5" (STATION 15+55 TO STATION 437+94.5)
- CONSTRUCT 1.75" HMA BINDER ON 22' ROADWAY (STATION 15+55 TO STATION 437+94.5)
- CONSTRUCT HMA SHOULDER 8" (STATION 15+55 TO STATION 437+94.5)
- CONSTRUCT HMA SHOULDER 10" SOUTH OF ROADWAY RESURFACING (STATION 437+94.5 TO STATION 546+90)
- CONSTRUCT 2" HMA SURFACE COURSE 30' WIDE (22' MAINLINE AND 8' SHOULDERS) (STATION 15+55 TO STATION 437+94.5)

HMA SHOULDERS SHALL BE OMITTED FROM LOCATIONS WHERE HMA SHOULDERS OR BASE COURSE WIDENING ALREADY EXISTS. HOWEVER, RUMBLE STRIPS SHALL BE CONSTRUCTED AT THESE LOCATIONS.

THE ENGINEER WILL CHECK THE DEPTH AT EACH BOX CULVERT TO ENSURE 10" CLEARANCE. THE ENGINEER WILL DETERMINE THE DEPTH TO MILL OR TO OMIT THE AREA COMPLETELY OF HMA SHOULDER.

OMIT HOT-MIX ASPHALT SHOULDERS, 10" ON ALL HMA AND PCC SIDEROADS, AND HMA AND PCC ENTRANCES. FIELD ENTRANCES WITH HMA APRONS WILL NOT BE OMITTED FROM HOT-MIX ASPHALT SHOULDERS, 10".

MATERIAL FOR AGGREGATE SHOULDER, TYPE B SHALL BE CRUSHED STONE OR CRUSHED CONCRETE. MATERIAL FOR AGGREGATE SURFACE COURSE, TYPE B SHALL BE CRUSHED STONE OR CRUSHED CONCRETE.

OMIT RUMBLE STRIPS ON ALL SIDEROADS, PRIVATE AND COMMERCIAL ENTRANCES AT RADIUS RETURNS. RUMBLE STRIPS SHALL BE OMITTED AT MAILBOX TURNOUTS 60' BOTH SIDES OF THE MAILBOX. THESE RUMBLE STRIP OMISSIONS WILL NOT BE MEASURED FOR PAYMENT.

PAVEMENT MARKING TAPE SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON HMA SURFACE COURSE. PAINT PAVEMENT MARKINGS SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON OTHER HMA LIFTS AND MILLED SURFACES.

THE FOLLOWING APPLICATION RATES WERE USED IN CALCULATING PLAN QUANTITIES AND HAVE BEEN INCLUDED FOR REFERENCE:

AGGREGATE SHOULDER & SURFACE COURSE: 2.05 TON/CU YD

HOT-MIX ASPHALT BINDER AND SURFACE: 112 LB/SQ YD/INCH

THE QUANTITIES FOR PAINT PAVEMENT MARKING - LINE 4" ARE AS FOLLOWS: 13,309' OF YELLOW AND 105,458' OF WHITE.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

SHEET NO	TITLE
1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS
3-4	SUMMARY OF QUANTITIES
5	TYPICAL SECTIONS
6-9	SCHEDULE OF QUANTITIES
10	SURVEY TIES
11-15	ALIGNMENT PLAN SHEETS
16	BRIDGE STAGING TRAFFIC CONTROL
17-23	BRIDGE PLANS
24-26	PROJECT DETAIL DRAWINGS
27-30	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKER APPLICATIONS

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

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
406201-01	MAILBOX TURNOUT
642006-01	SHOULDER RUMBLE STRIPS, 8 IN.
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS - DAY ONLY
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-18	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

APPLICATION	AC/PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	QUALITY MANAGEMENT
HMA SURFACE COURSE, MIX "C", N70 (2")	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	PFP
HMA BINDER COURSE, 1L-9.5FG, N70, (1 3/4")	PG 64-22	4.0% @ N=70	IL - 9.5FG	N/A	PFP
INCIDENTAL HMA SURFACING	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/QA
HMA SHOULDERS, 10"	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/QA
HMA SHOULDERS, 8"	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	QC/QA

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

HOT MIX ASPHALT:	112 LB/SQ YD/INCH
BITUMINOUS MATERIALS (TACK COAT):	0.050 LB/SQ FT - MILLED SURFACES
	0.025 LB/SQ FT - HMA LIFTS
MILLED AND CONCRETE SURFACES:	0.05 LB/SQ FT
FOG COAT ON BINDER COURSE:	0.025 LB/SQ FT

REV. - MS

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USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & INDEX OF SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -	828					105 RS-1	EFFINGHAM	30	2	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		CONTRACT NO. 74941		
PLOT DATE = 12/15/2020	DATE -	REVISED -									

RURAL

RURAL

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0021 90% FED 10% STATE	0059 80% FED 20% STATE
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	1044		1044	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	187	187		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	80475	80475		
40600990	TEMPORARY RAMP	SO YD	85	85		
40602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	10073	10073		
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	15733	15733		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	57	57		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	103233	103233		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	5916		5916	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	38241		38241	
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SO YD	9658		9658	
50102400	CONCRETE REMOVAL	CU YD	15.9		15.9	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	17.2		17.2	
50300260	BRIDGE DECK GROOVING	SO YD	315		315	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0021 90% FED 10% STATE	0059 80% FED 20% STATE
50300300	PROTECTIVE COAT	SO YD	356			356
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2140			2140
50800515	BAR SPLICERS	EACH	32			32
52000110	PREFORMED JOINT STRIP SEAL	FOOT	96			96
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	102281	102281		
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	6	6		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9		
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	9	9		
67100100	MOBILIZATION	L SUM	1	1		
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD	EACH	1			1
	701321					
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1		
	701201					
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1		
	701306					

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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/15/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	105 RS-1	EFFINGHAM	30	3
CONTRACT NO. 74941				
ILLINOIS FED. AID PROJECT				

RURAL			CONSTRUCTION TYPE CODE				RURAL			CONSTRUCTION TYPE CODE			
SUMMARY OF QUANTITIES			TOTAL QUANTITIES	0005	0021	0059	SUMMARY OF QUANTITIES			TOTAL QUANTITIES	0005	0021	0059
CODE NO	ITEM	UNIT		80% FED	90% FED	80% FED	CODE NO	ITEM	UNIT		80% FED	90% FED	80% FED
			20% STATE	10% STATE	20% STATE					20% STATE	10% STATE	20% STATE	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1		1		*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	526	526		
	701326												
							78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	526	526		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	4		4								
							X0326440	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)	SO YD	733	733		
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1		1								
							X4060995	TEMPORARY RAMP, SPECIAL	SO YD	324	324		
70107006	PAVEMENT MARKING BLACKOUT TAPE, 6"	FOOT	723		723								
							Z0012110	BRIDGE DECK FLY ASH OR GGBF SLAG CONCRETE OVERLAY, 2 1/4"	SO YD	311		311	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28									
70300100	SHORT TERM PAVEMENT MARKING	FOOT	12672	12672			Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SO YD	311		311	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	1408	1408			Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SO YD	2		2	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	118030	118030			Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SO YD	5		5	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	375		375		Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	42081	42081		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	350		350		Z0049799	PROTECTING OR RESETTING SURVEY MARKERS	EACH	8	8		
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2		2		Ø Z0076600	TRAINEES	HOUR	500	500		
							Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500		
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2		2								
*78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	118767	118767									

* SPECIALTY ITEM

Ø 0042

USER NAME = steffenmk	DESIGNED -	REVISED -
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PLOT DATE = 12/15/2020	DATE -	REVISED -

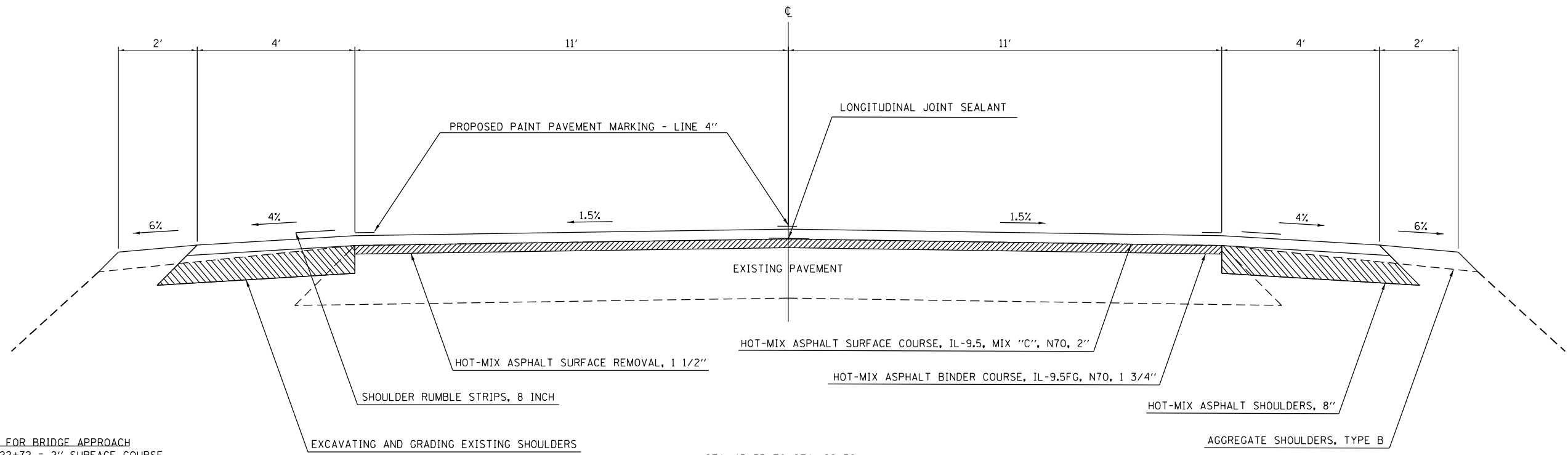
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

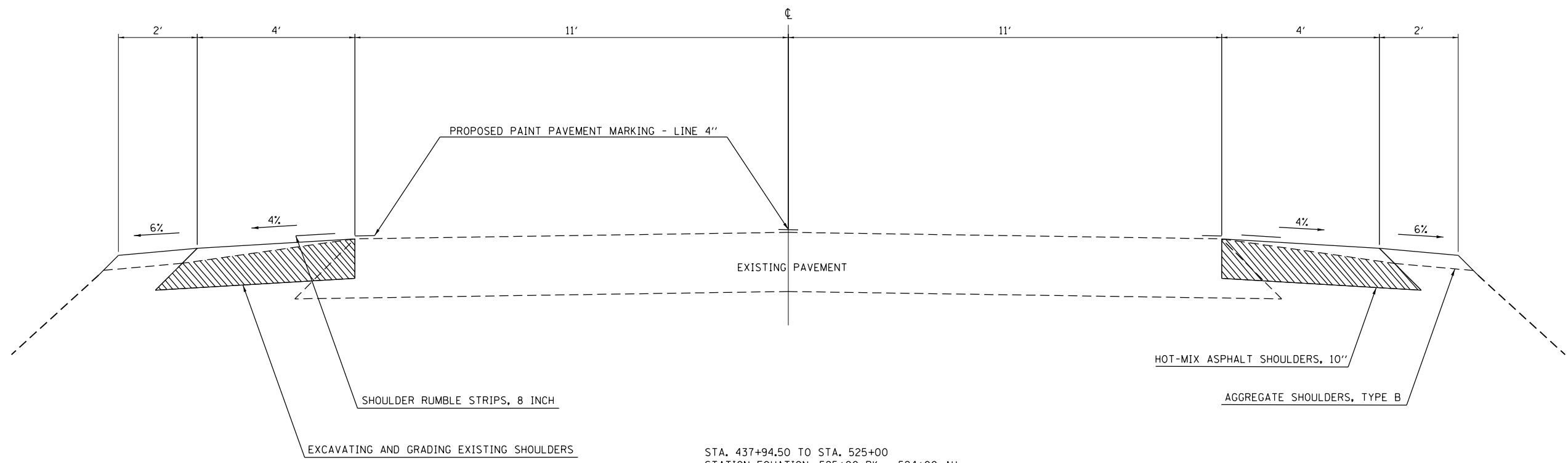
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	105 RS-1	EFFINGHAM	30	4
CONTRACT NO. 74941			ILLINOIS FED. AID PROJECT	

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HMA SURFACE COURSE FOR BRIDGE APPROACH
 STA. 22+52 TO STA. 22+72 = 2" SURFACE COURSE
 STA. 22+72 TO STA. 22+82 = 2" TO 1.5" SURFACE COURSE
 STA. 23+81 TO STA. 23+91 = 1.5" TO 2" SURFACE COURSE
 STA. 23+91 TO STA. 24+11 = 2" SURFACE COURSE

STA. 15+55 TO STA. 22+52
 STA. 22+52 TO STA. 24+11 (BRIDGE OMISSION)
 STA. 24+11 TO STA. 437+94.50



STA. 437+94.50 TO STA. 525+00
 STATION EQUATION: 525+00 BK = 524+00 AH
 STA. 524+00 TO STA. 546+90

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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/15/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS			
SCALE:	SHEET 1	OF 1	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	105RS-1	EFFINGHAM	30	5
CONTRACT NO. 74941				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING BLACKOUT TAPE, 6"					
STATIONING			SIDE (LT/RT/CL)	6" WHITE SOLID EDGE LINES FOOT	6" YELLOW SKIP DASH CENTER LINE FOOT
STATION	TO	STATION			
STAGE 1					
19+57.48		21+42.00	CL	-----	46.1
25+33.58		26+93.52	CL	-----	40.0
21+41.42		25+10.00	RT	368.6	-----
STAGE 2					
21+54.00		22+71.00	LT	117.0	-----
23+70.00		25+21.58	LT	151.6	-----
SUBTOTALS				637	86
TOTAL				723	

TRAFFIC CONTROL SCHEDULE						
STATIONING			70400100 TEMPORARY CONCRETE BARRIER	70400200 RELOCATE TEMPORARY CONCRETE BARRIER	70600250 IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	70600350 IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3
STATION	TO	STATION	FOOT	FOOT	EACH	EACH
STAGE 1						
21+43		25+07	375.0	-----	2	-----
STAGE 2						
21+69		25+08	-----	350.0	-----	2
TOTALS			375	350	2	2

BRIDGE SCHEDULE			
TOTAL BILL OF MATERIALS			
PAY ITEM	ITEM	UNIT	QUANTITY
50102400	CONCRETE REMOVAL	CU. YD	15.9
50300255	CONCRETE SUPERSTRUCTURE	CU. YD	17.2
50300260	BRIDGE DECK GROOVING	SQ YD	315
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2140
50800515	BAR SPLICERS	EACH	32
50300300	PROTECTIVE COAT	SQ YD	356
52000110	PREFORMED JOINT STRIP SEAL	FOOT	96.0
Z0012130	BRIDGE DECK SCARIFICATION, 3/4"	SQ YD	311
Z0012110	BRIDGE DECK FLY ASH OR GGBF SLAG CONCRETE OVERLAY, 2 1/4"	SQ YD	311
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	2
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	5

PROTECTIVE COAT TO BE APPLIED OVER NEW CONCRETE AREAS ONLY.
ALL QUANTITIES FROM FINAL BRIDGE PLANS

PAVEMENT MARKING SCHEDULE									
STATIONING			SIDE (LT/RT/CL)	70300100 SHORT TERM PAVEMENT MARKING FOOT	70300150 SHORT TERM PAVEMENT MARKING REMOVAL SQ FT	70300220 TEMPORARY PAVEMENT MARKING - LINE 4"		78001110 PAINT PAVEMENT MARKING - LINE 4"	
						4" SOLID WHITE EDGE LINE FOOT	4" YELLOW SKIP DASH LINE FOOT	4" SOLID WHITE EDGE LINE FOOT	4" YELLOW SKIP DASH LINE FOOT
STAGE 1			-----	-----	-----	1019.1	-----	-----	-----
STAGE 2			-----	-----	-----	993.0	-----	-----	-----
15+55.00		437+94.50	CL	-----	-----	-----	10559.9	-----	-----
15+55.00		437+94.50	CL	12672	1408.0	-----	-----	-----	-----
15+55.00		525+00.00	CL	-----	-----	-----	-----	-----	12736.25
15+55.00		59+16.00	LT	-----	-----	4361.0	-----	4361.0	-----
15+55.00		59+13.50	RT	-----	-----	4358.5	-----	4358.5	-----
59+60.00		111+73.00	LT	-----	-----	5213.0	-----	5213.0	-----
59+62.50		111+76.00	RT	-----	-----	5213.5	-----	5213.5	-----
112+27.00		139+07.00	LT	-----	-----	2680.0	-----	2680.0	-----
112+24.00		139+04.50	RT	-----	-----	2680.5	-----	2680.5	-----
139+49.00		166+34.00	LT	-----	-----	2685.0	-----	2685.0	-----
139+51.50		166+33.00	RT	-----	-----	2681.5	-----	2681.5	-----
166+84.00		220+32.50	LT	-----	-----	5348.5	-----	5348.5	-----
166+85.00		220+30.00	RT	-----	-----	5345.0	-----	5345.0	-----
220+75.50		276+90.50	LT	-----	-----	5615.0	-----	5615.0	-----
220+78.00		276+97.00	RT	-----	-----	5619.0	-----	5619.0	-----
277+43.50		331+07.00	LT	-----	-----	5363.5	-----	5363.5	-----
277+37.00		331+12.00	RT	-----	-----	5375.0	-----	5375.0	-----
331+59.00		385+34.50	LT	-----	-----	5375.5	-----	5375.5	-----
331+54.00		385+37.00	RT	-----	-----	5383.0	-----	5383.0	-----
385+79.50		439+34.50	LT	-----	-----	5355.0	-----	5355.0	-----
385+77.00		439+25.50	RT	-----	-----	5348.5	-----	5348.5	-----
439+99.50		493+75.00	LT	-----	-----	5375.5	-----	5375.5	-----
440+08.50		493+75.50	RT	-----	-----	5367.0	-----	5367.0	-----
494+33.00		525+00.00	LT	-----	-----	3067.0	-----	3067.0	-----
494+32.50		525+00.00	RT	-----	-----	3067.5	-----	3067.5	-----
STATION EQUATION: 525+00 BK = 524+00 AH									
524+00.00		546+90.00	CL	-----	-----	-----	-----	-----	572.5
524+00.00		546+90.00	LT	-----	-----	2290.0	-----	2290.0	-----
524+00.00		546+90.00	RT	-----	-----	2290.0	-----	2290.0	-----
SUBTOTALS				12672	1408	107470	10560	105458	13309
TOTALS				12672	1408	118030		118767	

ORDER/SEQUENCE OF OPERATIONS:

- CONSTRUCT HMA SURFACE REMOVAL 1.5" (STATION 15+55 TO STATION 437+94.5)
- CONSTRUCT 1.75" HMA BINDER ON 22' ROADWAY (STATION 15+55 TO STATION 437+94.5)
- CONSTRUCT HMA SHOULDER 8" (STATION 15+55 TO STATION 437+94.5)
- CONSTRUCT HMA SHOULDER 10" SOUTH OF ROADWAY RESURFACING (STATION 437+94.5 TO STATION 546+90)

CONSTRUCT 2" HMA SURFACE COURSE 30' WIDE (22' MAINLINE AND 8' SHOULDERS) (STATION 15+55 TO STATION 437+94.5)

MODEL: Default
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USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/15/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	105 RS-1	EFFINGHAM	30	6
CONTRACT NO. 74941				
ILLINOIS FED. AID PROJECT				

HOT-MIX ASPHALT SAFETY SHOULDER SCHEDULE (LEFT SIDE)											
STATIONING						20200600 EXCAVATING AND GRADING EXISTING SHOULDER	40600290 BITUMINOUS MATERIALS (TACK COAT)	48203029 HOT-MIX ASPHLAT SHOULDERS, 8"	48203037 HOT-MIX ASPHLAT SHOULDERS, 10"	64200108 SHOULDER RUMBLE STRIPS, 8 IN	48101200 AGGREGATE SHOULDERS, TYPE B
STATION	TO	STATION	LANE	LENGTH	WIDTH	UNIT	POUND	SQ YD	SQ YD	FOOT	TON
15+55.00		22+82.00	LT	727.00	4.2	4.9	92.9	226.6	-----	727.0	40.8
22+82.00		23+81.00	LT	99.00	4.2	BRIDGE OMISSION					
23+81.00		59+16.00	LT	3535.00	4.2	33.0	385.0	1526.6	-----	3175.0	198.6
59+16.00		59+60.00	LT	44.00	4.2	CO RD 900N 59+38 (HMA)					
59+60.00		111+73.00	LT	5213.00	4.2	52.1	543.0	2413.4	-----	5213.0	292.9
111+73.00		112+27.00	LT	54.00	4.2	CO RD 800N 112+00 (HMA)					
112+27.00		166+34.00	LT	5407.00	4.2	54.1	563.2	2503.2	-----	5365.0	303.8
166+34.00		166+84.00	LT	50.00	4.2	CO RD 700N 166+59 (HMA)					
166+84.00		220+32.50	LT	5348.50	4.2	53.5	557.1	2476.2	-----	5348.5	300.5
220+32.50		220+75.50	LT	43.00	4.2	CO RD 600N 220+54 (HMA)					
220+75.50		276+90.50	LT	5615.00	4.2	56.2	584.9	2599.5	-----	5595.0	315.5
276+90.50		277+43.50	LT	53.00	4.2	CO RD 500N 277+17 (HMA)					
277+43.50		331+07.00	LT	5363.50	4.2	53.6	558.7	2483.1	-----	5301.5	301.3
331+07.00		331+59.00	LT	52.00	4.2	CO RD 400N 331+33 (HMA)					
331+59.00		385+34.50	LT	5375.50	4.2	53.8	559.9	2488.7	-----	5310.5	302.0
385+34.50		385+79.50	LT	45.00	4.2	CO RD 300N 385+57 (HMA)					
385+79.50		437+94.50	LT	5215.00	4.2	52.2	543.2	2414.4	-----	5101.0	293.0
437+94.50		439+34.50	LT	140.00	4.0	1.4	14.0	-----	62.2	140.0	7.9
439+34.50		439+99.50	LT	65.00	4.0	CO RD 200N 439+67 (HMA)					
439+99.50		493+75.00	LT	5375.50	4.0	53.8	537.6	-----	2389.1	5024.5	302.0
493+75.00		494+33.00	LT	58.00	4.0	CO RD 100N 494+04 (HMA)					
494+33.00		525+00.00	LT	3067.00	4.0	30.7	306.7	-----	1363.1	3012.0	172.3
525+00.00	=	524+00.00	STATION EQUATION								
524+00.00		546+90.00	LT	2290.00	4.0	22.9	229.0	-----	1017.8	2290.0	128.7
TOTALS LEFT SHOULDER											
						522.0	5475.0	19132.0	4833.0	51603.0	2960.0

HOT-MIX ASPHALT SAFETY SHOULDER SCHEDULE (RIGHT SIDE)											
STATIONING						20200600 EXCAVATING AND GRADING EXISTING SHOULDER	40600290 BITUMINOUS MATERIALS (TACK COAT)	48203029 HOT-MIX ASPHLAT SHOULDERS, 8"	48203037 HOT-MIX ASPHLAT SHOULDERS, 10"	64200108 SHOULDER RUMBLE STRIPS, 8 IN	48101200 AGGREGATE SHOULDERS, TYPE B
STATION	TO	STATION	LANE	LENGTH	WIDTH	UNIT	POUND	SQ YD	SQ YD	FOOT	TON
15+55.00		22+82.00	RT	727.00	4.2	4.9	92.5	226.6	-----	360.0	40.8
22+82.00		23+81.00	RT	99.00	4.2	BRIDGE OMISSION					
23+81.00		59+13.50	RT	3532.50	4.2	32.7	384.7	1513.4	-----	3292.5	197.0
59+13.50		59+62.50	RT	49.00	4.2	CO RD 900N 59+38 (HMA)					
59+62.50		111+76.00	RT	5213.50	4.2	52.1	543.1	2413.7	-----	5185.5	292.9
111+76.00		112+24.00	RT	48.00	4.2	CO RD 800N 112+00 (HMA)					
112+24.00		139+04.50	RT	2680.50	4.2	26.8	279.2	1241.0	-----	2680.5	150.6
139+04.50		139+51.50	RT	47.00	4.2	CO RD 750N 139+28 (HMA)					
139+51.50		166+33.00	RT	2681.50	4.2	26.8	279.3	1241.4	-----	2681.5	150.7
166+33.00		166+85.00	RT	52.00	4.2	CO RD 700N 166+59 (HMA)					
166+85.00		220+30.00	RT	5345.00	4.2	53.5	556.8	2474.5	-----	5205.0	300.3
220+30.00		220+78.00	RT	48.00	4.2	CO RD 600N 220+54 (HMA)					
220+78.00		276+97.00	RT	5619.00	4.2	56.2	585.3	2601.4	-----	5353.0	315.7
276+97.00		277+37.00	RT	40.00	4.2	CO RD 500N 277+17 (HMA)					
277+37.00		331+12.00	RT	5375.00	4.2	53.8	559.9	2488.4	-----	5107.0	302.0
331+12.00		331+54.00	RT	42.00	4.2	CO RD 400N 331+33 (HMA)					
331+54.00		385+37.00	RT	5383.00	4.2	53.8	560.7	2492.1	-----	4999.0	302.4
385+37.00		385+77.00	RT	40.00	4.2	CO RD 300N 385+57 (HMA)					
385+77.00		437+94.50	RT	5217.50	4.2	52.2	543.5	2415.5	-----	4977.5	293.1
437+94.50		439+25.50	RT	131.00	4.0	1.3	13.1	-----	58.2	131.0	7.4
439+25.50		440+08.50	RT	83.00	4.0	CO RD 200N 439+67 (HMA)					
440+08.50		493+75.50	RT	5367.00	4.0	53.7	536.7	-----	2385.3	5367.0	301.5
493+75.50		494+32.50	RT	57.00	4.0	CO RD 100N 494+04 (HMA)					
494+32.50		525+00.00	RT	3067.50	4.0	30.7	306.8	-----	1363.3	3048.5	172.3
525+00.00	=	524+00.00	STATION EQUATION								
524+00.00		546+90.00	RT	2290.00	4.0	22.9	229.0	-----	1017.8	2290.0	128.7
TOTAL RIGHT SHOULDERS											
						522.0	5475.0	19132.0	4833.0	51603.0	2960.0
TOTAL LEFT SHOULDERS											
						522.0	5475.0	19132.0	4833.0	51603.0	2960.0
TOTAL SHOULDERS											
						1044.0	10946.0	38241.0	9658.0	102281.0	5916.0

ORDER/SEQUENCE OF OPERATIONS:

- CONSTRUCT HMA SURFACE REMOVAL 1.5" (STATION 15+55 TO STATION 437+94.5)
- CONSTRUCT 1.75" HMA BINDER ON 22' ROADWAY (STATION 15+55 TO STATION 437+94.5)
- CONSTRUCT HMA SHOULDER 8" (STATION 15+55 TO STATION 437+94.5)
- CONSTRUCT HMA SHOULDER 10" SOUTH OF ROADWAY RESURFACING (STATION 437+94.5 TO STATION 546+90)

CONSTRUCT 2" HMA SURFACE COURSE 30' WIDE (22' MAINLINE AND 8' SHOULDERS) (STATION 15+55 TO STATION 437+94.5)

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DRAWN -	REVISED -	
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PLOT DATE = 12/15/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	105 RS-1	EFFINGHAM	30	7
CONTRACT NO. 74941				
ILLINOIS FED. AID PROJECT				

SURVEY MARKER SCHEDULE						66700205 PERMANENT SURVEY MARKERS, TYPE 1	Z0049799 PROTECTING OR RESETTING SURVEY MARKERS
PT. #	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	EACH	EACH
107	868955.481	970958.661	31+75	0.0 FT	MAG NAIL FOUND 1" BELOW PAVEMENT IN CL ROAD. W 1/4 CORNER SECT. 13 T7N, R7E	-----	1
106	866283.791	970919.463	58+42	0.0 FT	2.5" PIPE FOUND IN CL ROAD AT INTERSECTION OF 900TH AVE. NO DISK OR PIN FOUND IN PIPE. SW CORNER SECT. 13 T7N, R7E	1	1
105	863607.421	970877.056	85+00	0.0 FT	2.5" PIPE FOUND IN CL ROAD, +/- 1/2 MILE NORTH OF 800TH AVE.	1	1
104	860931.156	970834.59	112+00	0.0 FT	2.5" PIPE WITH CAP FOUND IN CL ROAD AT INTERSECTION OF 800TH AVE. UNABLE TO OPEN	1	1
103	858198.514	970773.885	139+28	0.0 FT	2.5" PIPE WITH CAP FOUND IN CL ROAD AT INTERSECTION OF 750TH AVE. UNABLE TO OPEN	1	1
102	850071.788	970585.913	220+54	0.0 FT	MAG SPIKE FOUND IN CL ROAD AT INTERSECTION OF 600TH AVE	-----	1
101	833577.172	970669.675	385+57	0.0 FT	2.5" PIPE OPEN WITH STAMPED BRASS DISK IN CL ROAD AT INTERSECTION OF 300TH AVE.	1	1
100	828167.166	970705.548	439+67	0.0 FT	2.5" PIPE WITH CAP FOUND IN CL ROAD AT INTERSECTION OF 200TH AVE. UNABLE TO OPEN	1	1
TOTALS						6	8

PAVING SCHEDULE										
STATIONING		LENGTH	MAINLINE WIDTH	SHOULDER WIDTH	40600290 BITUMINOUS MATERIALS (TACK COAT)	40602970 HOT-MIX ASPHALT BINDER COURSE, IL- 9.5FG, N70	40604052 HOT-MIX ASPHALT SURFACE COURSE, IL- 9.5, MIX "C", N70	44000155 HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	Z0033700 LONGITUDINAL JOINT SEALANT	
STATION	TO	STATION	FOOT	FOOT	FOOT	POUND	TON	TON	SQ YD	FOOT
15+55.00		15+65.00	10	22.0	8	16.5	2.4	3.5	24.4	10
15+65.00		16+03.00	38	22.0	8	62.7	9.1	14.2	92.9	38
16+03.00		16+33.00	30	22.0	8	49.5	3.6	11.2	73.3	30
16+33.00		20+44.50	412	22.0	8	679.0	98.6	153.6	1005.9	412
20+44.50		22+07.00	163	22.0	8	268.1	38.9	60.7	541.7	163
22+07.00		22+52.00	45	22.0	8	74.3	10.8	16.8	150.0	45
22+52.00		22+72.00	20	32.0	--	32.0	--	8.0	--	--
22+72.00		22+82.00	10	32.0	--	16.0	--	3.5	--	--
22+82.00		23+81.00	99							
BRIDGE OMISSION										
23+81.00		23+91.00	10	32.0	--	16.0	--	3.5	--	--
23+91.00		24+11.00	20	32.0	--	32.0	--	8.0	--	--
24+11.00		24+56.00	45	22.0	8	74.3	10.8	16.8	150.0	45
24+56.00		26+18.50	163	22.0	8	268.1	38.9	60.7	541.7	163
26+18.50		437+54.50	41136	22.0	8	67874.4	9854.4	15357.4	100554.7	41136
437+54.50		437+94.50	40	22.0	8	66.0	4.8	14.9	97.8	40
437+94.50		437+94.50	10	22.0	8	16.5	1.2	3.5	24.4	10
TOTALS						69529	10073	15733	103233	42081

*SHOULDER WIDTH INCLUDES LT & RT SHOULDERS

TEMPORARY RAMP SCHEDULE					
LOCATION		RAMP WIDTH	DROP-OFF DEPTH	RAMP LENGTH	RAMP AREA
STATION	SIDE	FOOT	INCH	FOOT	SQ YD
15+55.00	CL	22.0	1.75	5.0	12.2
22+52.00	CL	22.0	1.75	5.0	12.2
22+82.00	CL	32.0	1.5	5.0	17.8
23+81.00	CL	32.0	1.5	5.0	17.8
24+11.00	CL	22.0	1.75	5.0	12.2
437+94.50	CL	22.0	1.75	5.0	12.2
TOTAL					85

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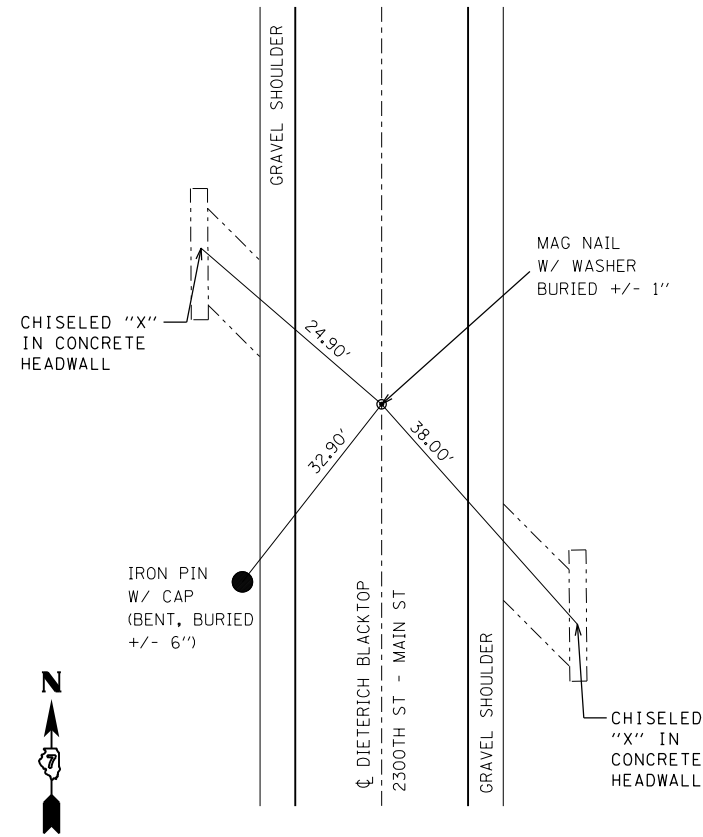
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

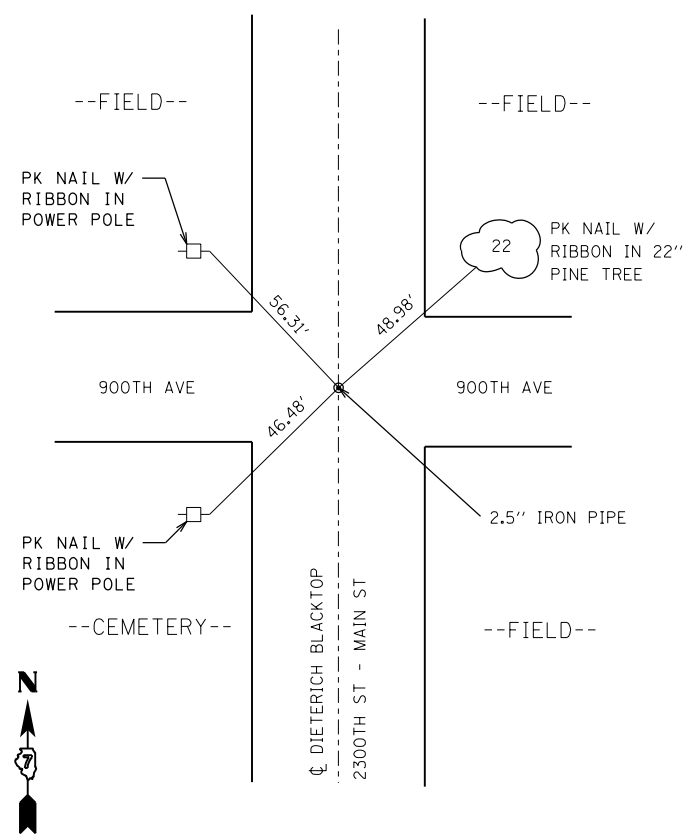
SCHEDULE OF QUANTITIES
SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	105 RS-1	EFFINGHAM	30	9
CONTRACT NO. 74941				
ILLINOIS FED. AID PROJECT				

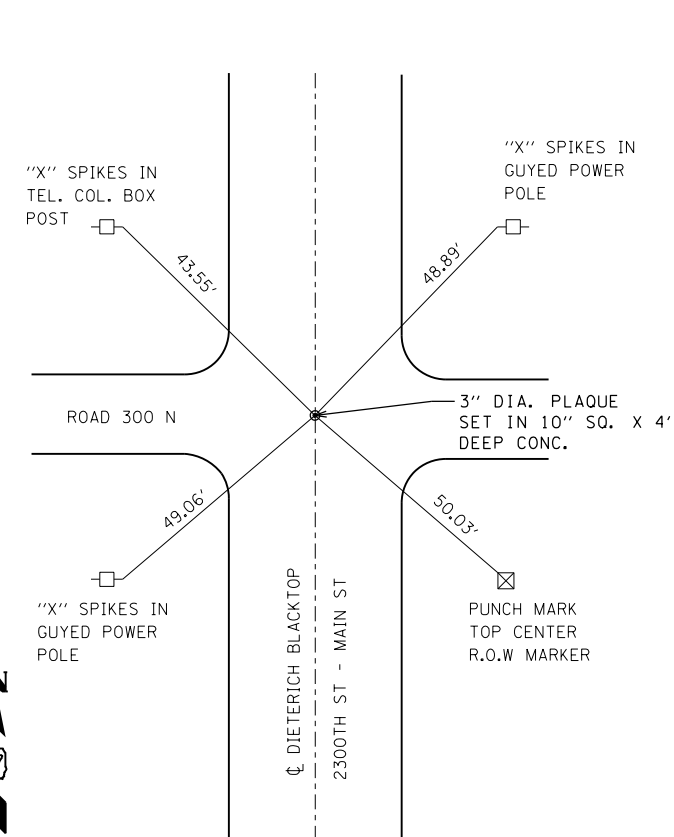
107
W COR. SEC. 13
T7N, R7E OF 3RD P.M.



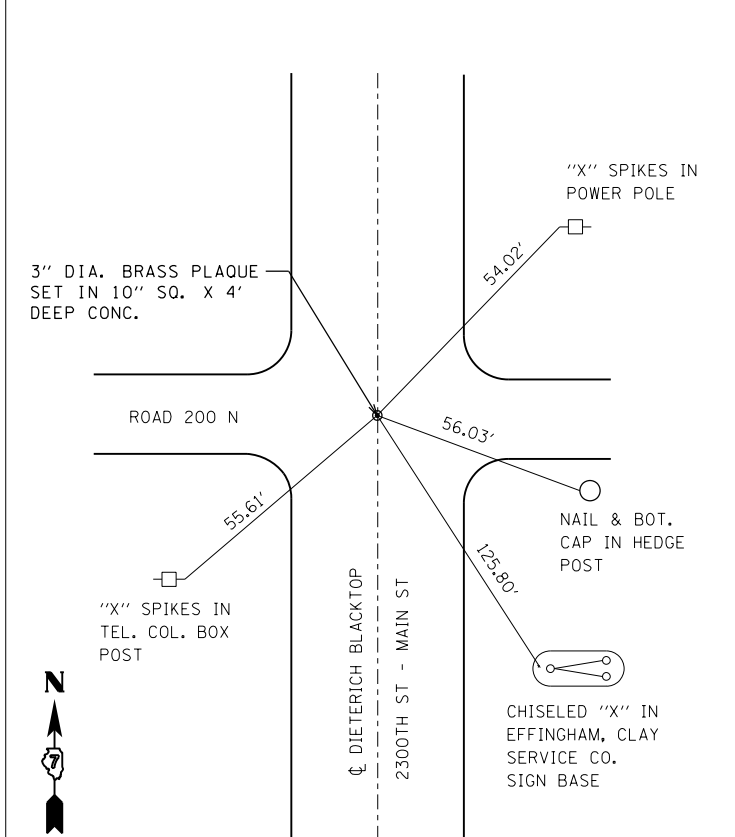
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SW COR. SEC. 13
T7N, R7E OF 3RD P.M.



101
NW COR. SEC. 24
T6N, R7E OF 3RD P.M.



100
SW COR. SEC. 24
T6N, R7E OF 3RD P.M.

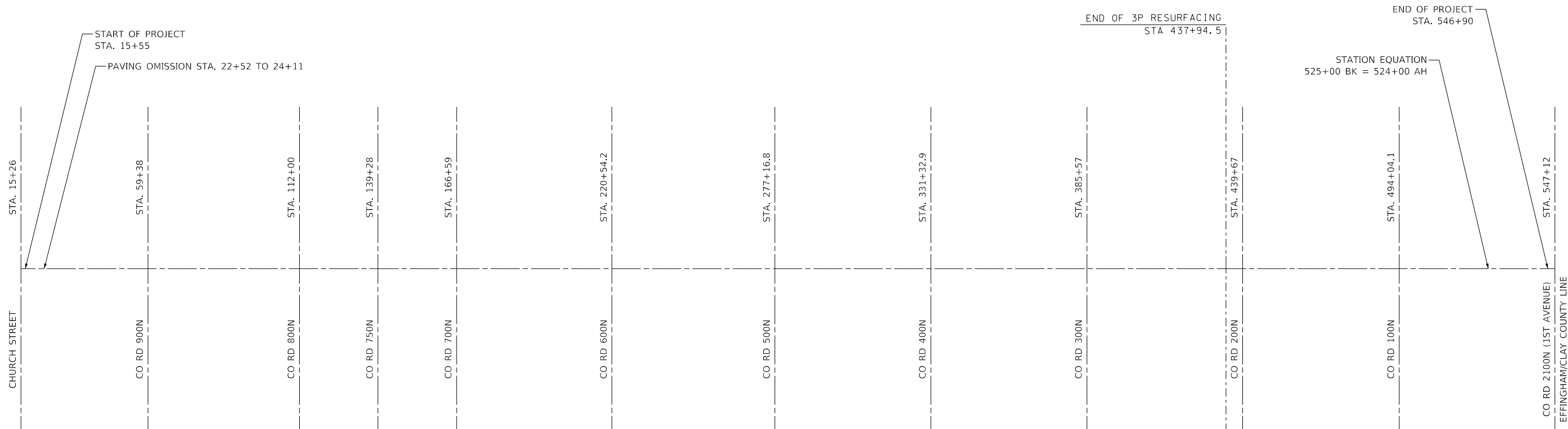
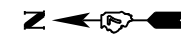


SCHEDULE OF EXISTING SECTION CORNERS AND MONUMENTS (W/TIES)

Station	Off-Set	Description	INTERSECTION	Point	PROPOSED PRESERVATION METHOD
31+75	0.00'	MAG NAIL W/ WASHER BURIED +/- 1" BELOW PAVEMENT IN CENTERLINE	WEST 1/4 COR. SEC. 13 T7N, R7E	107	MAG NAIL W/ WASHER - PROTECT & RESET SURVEY MARKERS
58+42	0.00'	2.5" PIPE IN CENTERLINE; NO DISK/PIN FOUND IN PIPE	900TH AVE - SW COR. SEC 13 T7N, R7E	106	REMOVE PIPE VAULT - SET PERMANENT SURVEY MARKER, TYPE 1
385+57	0.00'	2.5" PIPE OPEN W/ STAMED BRASS DISK IN CENTERLINE	300TH AVE	101	REMOVE PIPE VAULT - SET PERMANENT SURVEY MARKER, TYPE 1
439+67	0.00'	2.5" PIPE W/ CAP IN CENTERLINE - UNABLE TO OPEN	200TH AVE	100	REMOVE PIPE VAULT - SET PERMANENT SURVEY MARKER, TYPE 1

NOT TO SCALE

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SURVEY TIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default		DATE -	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.			CONTRACT NO. 74941				
					ILLINOIS FED. AID PROJECT							



ORDER/SEQUENCE OF OPERATIONS:

- CONSTRUCT HMA SURFACE REMOVAL 1.5" (STATION 15+55 TO STATION 437+94.5)
- CONSTRUCT 1.75" HMA BINDER ON 22' ROADWAY (STATION 15+55 TO STATION 437+94.5)
- CONSTRUCT HMA SHOULDER 8" (STATION 15+55 TO STATION 437+94.5)
- CONSTRUCT HMA SHOULDER 10" SOUTH OF ROADWAY RESURFACING (STATION 437+94.5 TO STATION 546+90)

CONSTRUCT 2" HMA SURFACE COURSE 30' WIDE (22' MAINLINE AND 8' SHOULDERS) (STATION 15+55 TO STATION 437+94.5)

HMA SHOULDERS (8")
←
STA 15+55
TO
STA 437+94.5

HMA SHOULDERS (10")
→
STA 437+94.5
TO
STA 546+90

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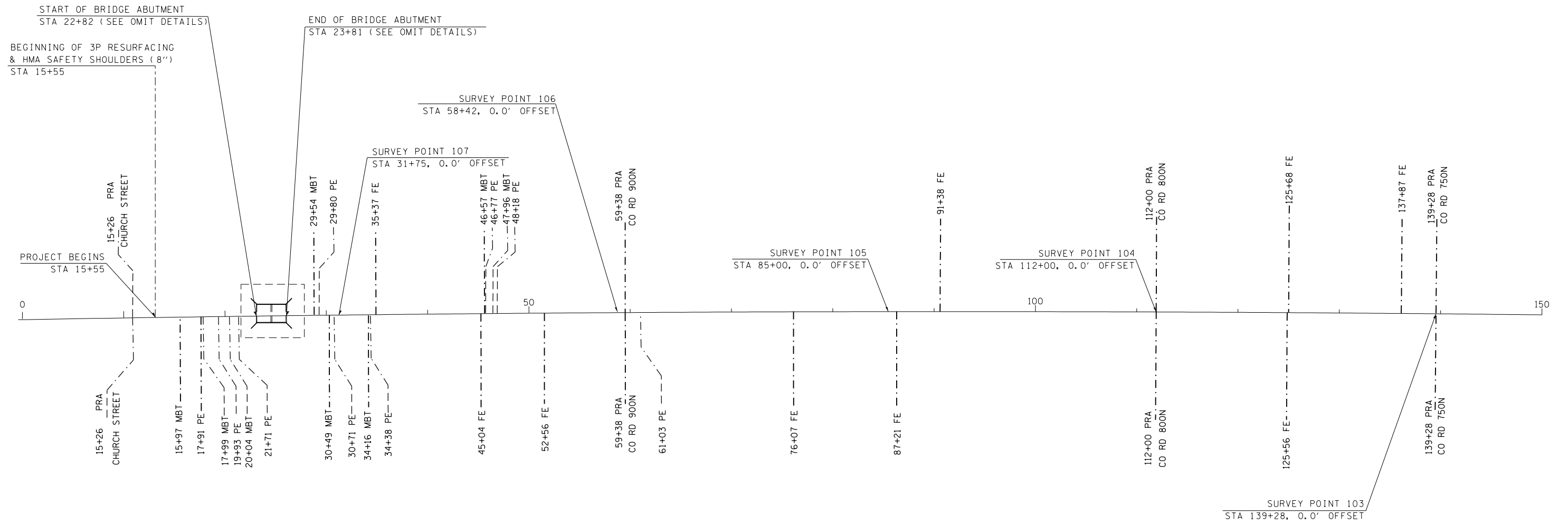
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET - OVERVIEW

SCALE: SHEET 1 OF 5 SHEETS STA. 15+26 TO STA. 547+12

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	105 RS-1	EFFINGHAM	30	11
CONTRACT NO. 74941				
		ILLINOIS	FED. AID PROJECT	

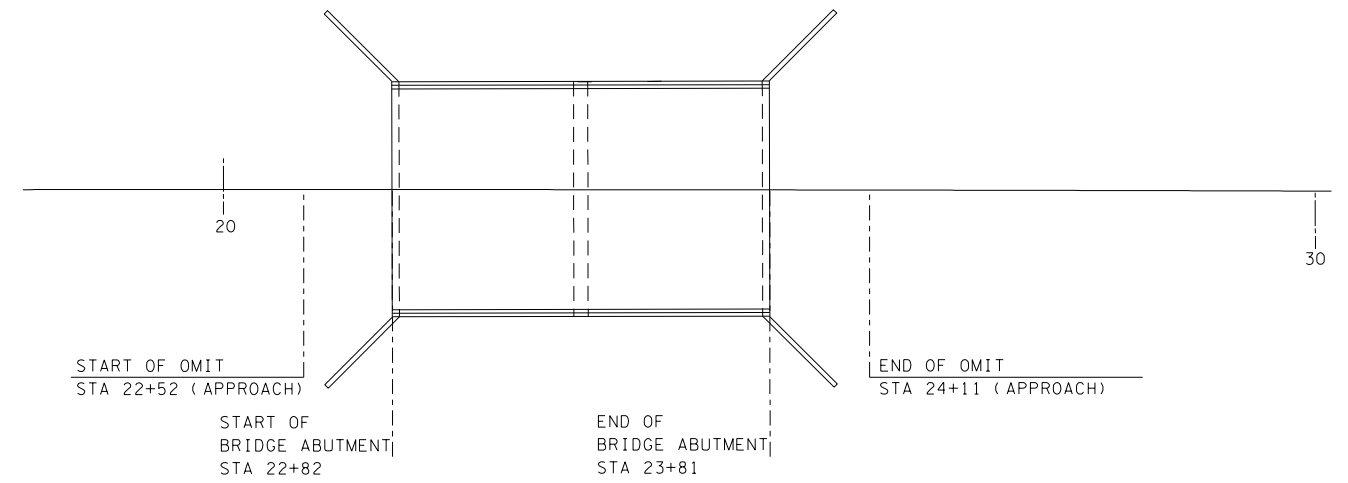
STA. 0+00 TO 150+00

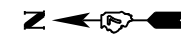


PROTECT AND RESET SURVEY MARKERS

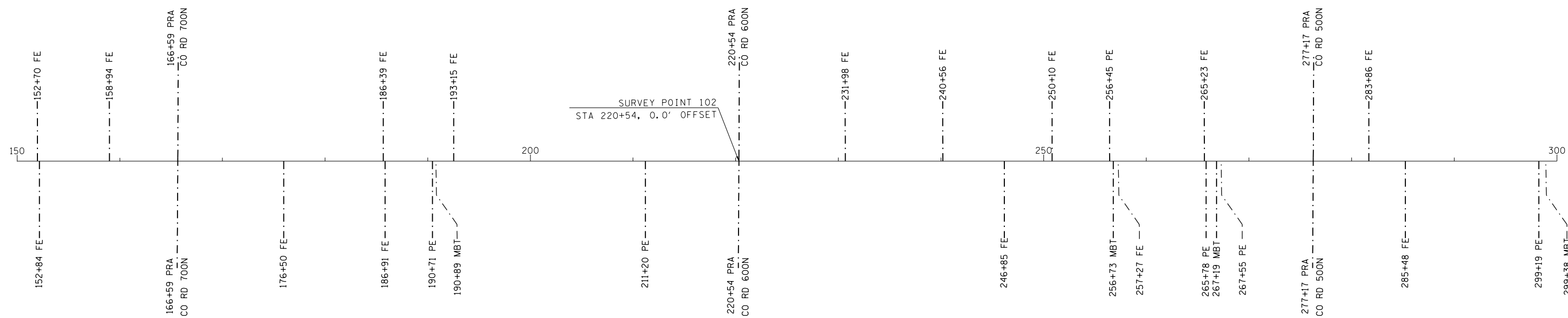
POINT	STATION	OFFSET	TYPE	DESCRIPTION	TIES	PROTECT & RESET SURVEY MARKERS
107	31+75	0.0 FT	W CORNER SEC. 13	MAG NAIL IN CENTERLINE - 1" BELOW PAVEMENT	YES	PROTECT & RESET - MAG NAIL W/ WASHER
106	58+42	0.0 FT	SW CORNER SEC. 13	2.5" PIPE IN CENTERLINE - NO DISK OR PIN	YES	REMOVE PIPE VAULT - SET PERMANENT SURVEY MARKER, TYPE 1
105	85+00	0.0 FT	W CORNER SEC. 24	2.5" PIPE IN CENTERLINE	NO	REMOVE PIPE VAULT - SET PERMANENT SURVEY MARKER, TYPE 1
104	112+00	0.0 FT	SW CORNER SEC. 24	2.5" PIPE IN CENTERLINE - UNABLE TO OPEN	NO	REMOVE PIPE VAULT - SET PERMANENT SURVEY MARKER, TYPE 1
103	139+28	0.0 FT	W CORNER SEC. 25	2.5" PIPE IN CENTERLINE - UNABLE TO OPEN	NO	REMOVE PIPE VAULT - SET PERMANENT SURVEY MARKER, TYPE 1

OMIT DETAILS





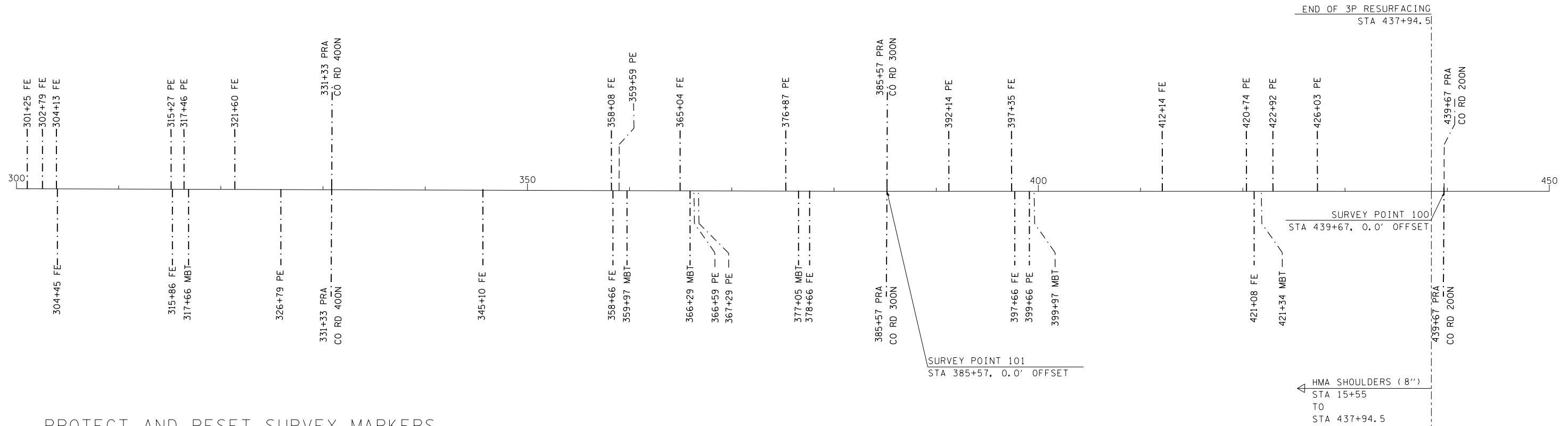
STA. 150+00 TO 300+00



PROTECT AND RESET SURVEY MARKERS

POINT	STATION	OFFSET	TYPE	DESCRIPTION	TIES	PROTECT & RESET SURVEY MARKERS
102	220+54	0.0 FT	SW CORNER SEC. 36	MAG SPIKE IN CENTERLINE	NO	PROTECT & RESET - MAG NAIL

STA. 300+00 TO 450+00



PROTECT AND RESET SURVEY MARKERS

POINT	STATION	OFFSET	TYPE	DESCRIPTION	TIES	PROTECT & RESET SURVEY MARKERS
101	385+57	0.0 FT	NW CORNER SEC. 24	2.5" PIPE IN CENTERLINE - OPEN W/ STAMED BRASS DISK	YES	REMOVE PIPE VAULT - SET PERMANENT SURVEY MARKER, TYPE 1
100	439+67	0.0 FT	SW CORNER SEC. 24	2.5" PIPE IN CENTERLINE - W/ CAP UNABLE TO OPEN	YES	REMOVE PIPE VAULT - SET PERMANENT SURVEY MARKER, TYPE 1

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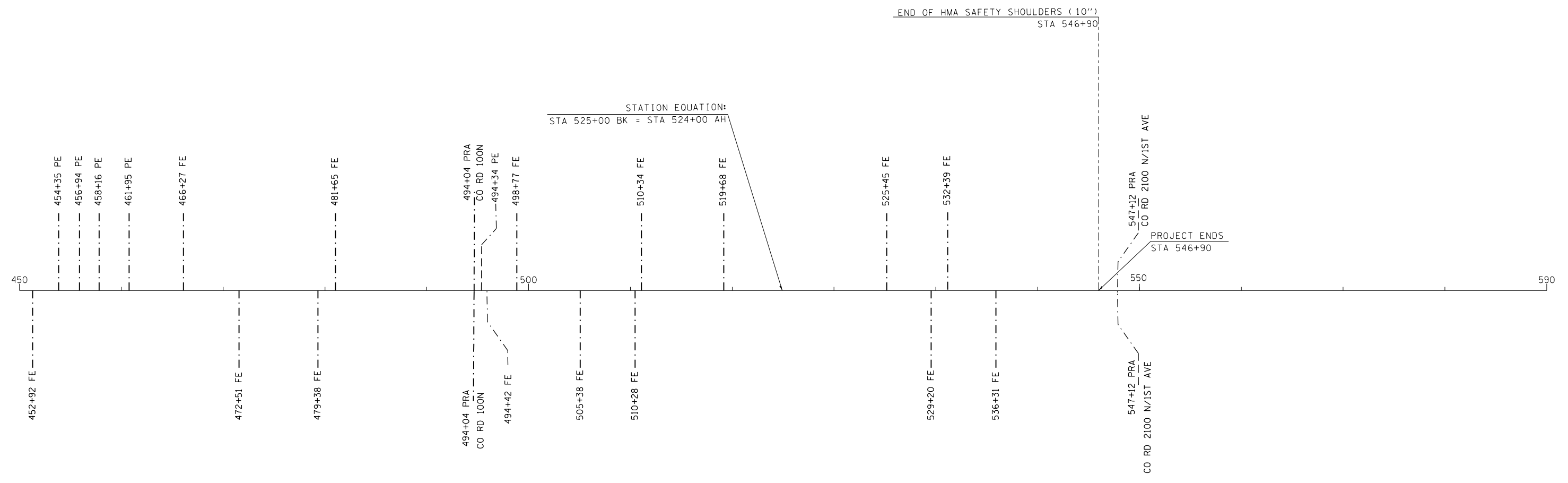
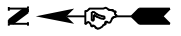
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

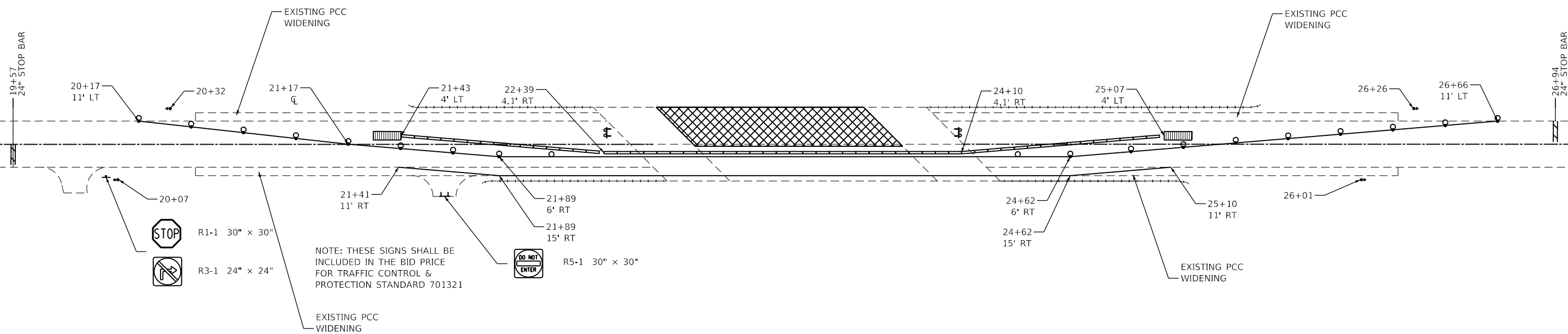
SCALE: SHEET 4 OF 5 SHEETS STA. 300+00 TO STA. 450+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	150 RS-1	EFFINGHAM	30	14
CONTRACT NO. 74941			ILLINOIS FED. AID PROJECT	

STA. 450+00 TO 590+00

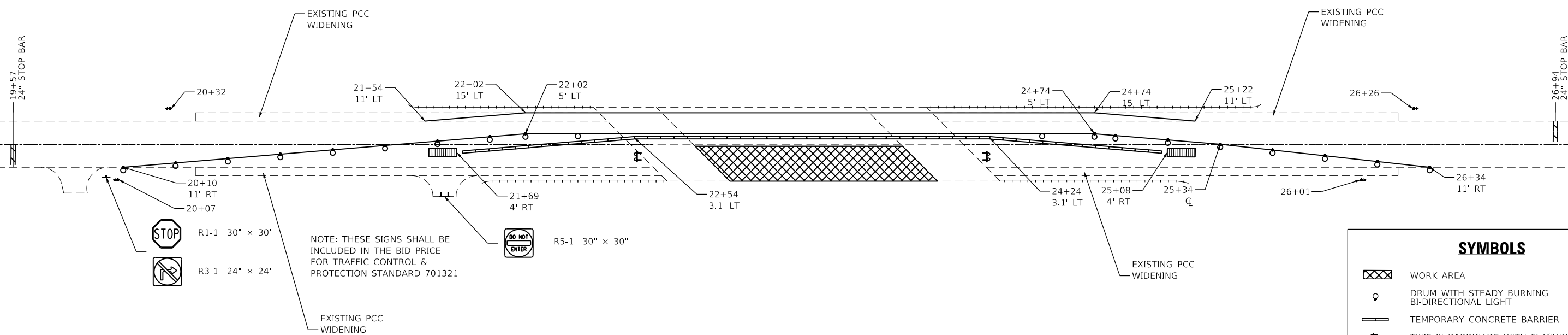


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	PLOT DATE = 12/15/2020							ILLINOIS FED. AID PROJECT				



STAGE 1

NOTE: THESE SIGNS SHALL BE INCLUDED IN THE BID PRICE FOR TRAFFIC CONTROL & PROTECTION STANDARD 701321



STAGE 2

NOTE: THESE SIGNS SHALL BE INCLUDED IN THE BID PRICE FOR TRAFFIC CONTROL & PROTECTION STANDARD 701321

SYMBOLS				
	WORK AREA			
	DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT			
	TEMPORARY CONCRETE BARRIER			
	TYPE III BARRICADE WITH FLASHING LIGHTS			
	TRAFFIC SIGNAL			
	IMPACT ATTENUATOR			
	DRUM			

NOTES

SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 FOR INFORMATION NOT SHOWN ON THIS SHEET

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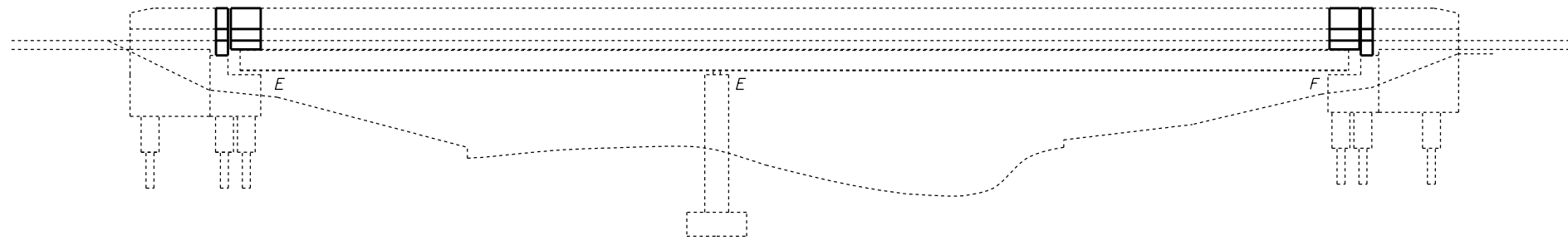
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL - BRIDGE STAGING

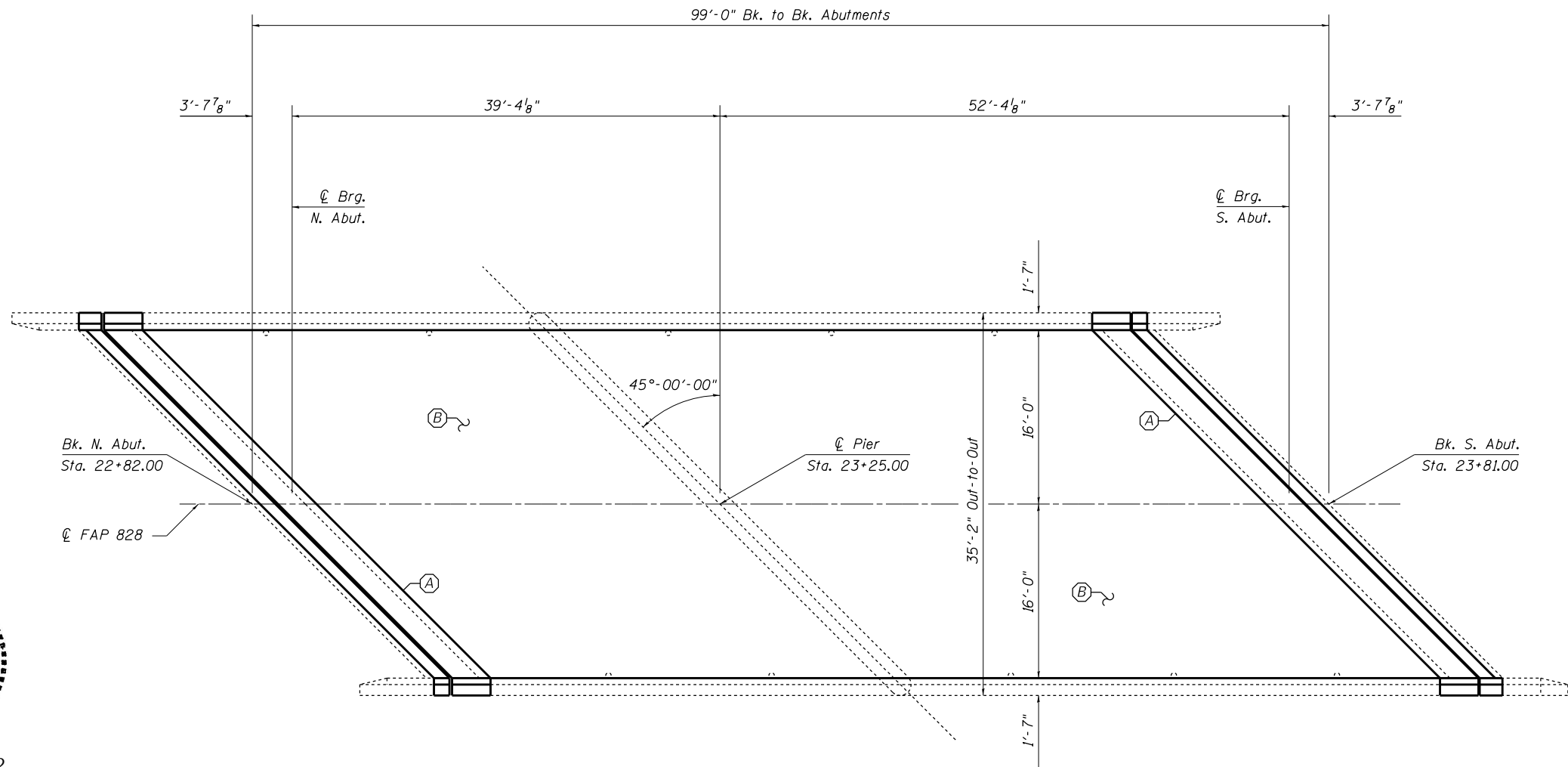
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	105 R5-1	EFFINGHAM	30	16
CONTRACT NO. 74941				
ILLINOIS FED. AID PROJECT				

The existing two span continuous steel multi-beam structure was constructed in 1995 as FAP 828 section 12 BR at Sta. 23+25.00. SN 025-0091 carries FAP 828 over Dieterich Creek. The proposed project consists of new expansion joints, deck repair, scarification, and new concrete wearing surface.



ELEVATION



PLAN

- (A) - Remove Existing Joint and Install Preformed Strip Seal Expansion Joint.
- (B) - Bridge Deck Scarification, 3/4" and Bridge Deck Fly Ash or GGBF Slag Concrete Overlay, 2 1/4"



Expires 11-30-2022

David Carl Puzey

01/25/2021

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION
SN 025-0091**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	105 RS-1	EFFINGHAM	30	17
CONTRACT NO. 74941				
ILLINOIS FED. AID PROJECT				

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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 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.

Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on as-built plans.

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 operations shall be replaced using an approved bar splicer or anchorage system. Cost included in 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.

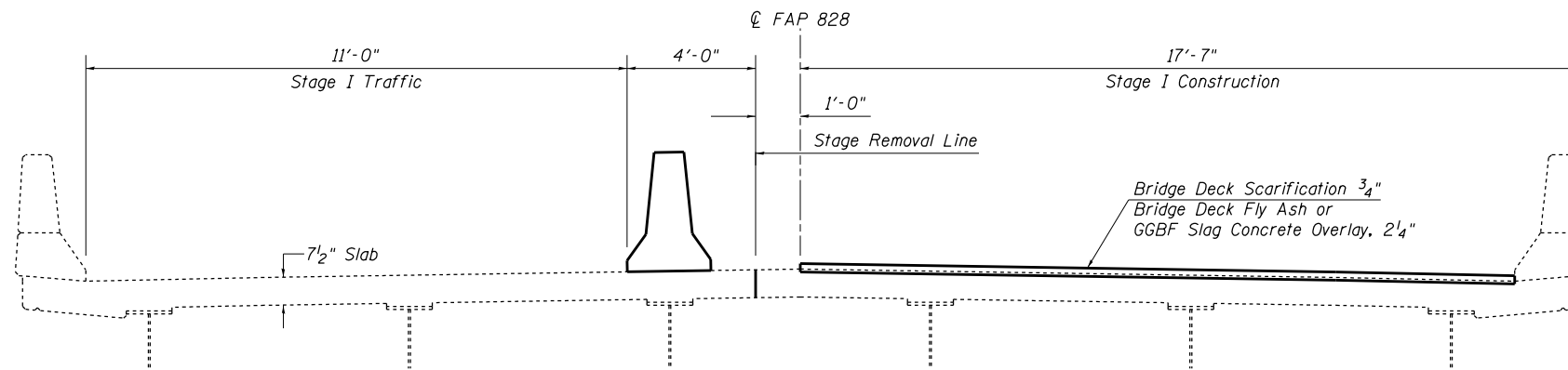
Prior to pouring the new concrete deck, all heavy and loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods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

Reinforcement bars designated (E) shall be epoxy coated.

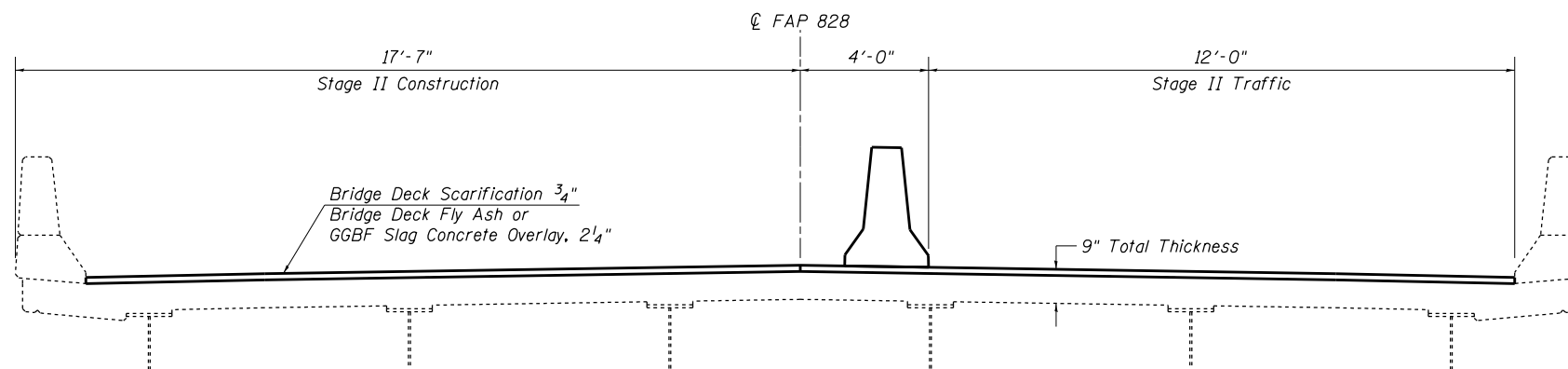
Protective Coat to be applied to areas of Concrete Superstructure and Bridge Deck Fly Ash or GGBF Slag Concrete Overlay. The area consisting of Concrete Superstructure shall include the front face and the top of the parapet and wingwall and the top surface of the exposed expansion joint blockouts.

TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	15.9
Concrete Superstructure	Cu. Yd.	17.2
Reinforcement Bars, Epoxy Coated	Pound	2140
Bar Splicers	Each	32
Preformed Joint Strip Seal	Foot	96.0
Bridge Deck Scarification, 3/4"	Sq Yd	311
Bridge Deck Fly Ash or GGBF Slag Concrete Overlay, 2 1/4"	Sq Yd	311
Bridge Deck Grooving	Sq Yd	315
Protective Coat	Sq Yd	356
Deck Slab Repair (Full Depth, Type I)	Sq Yd	2
Deck Slab Repair (Full Depth, Type II)	Sq Yd	5



STAGE I LOOKING NORTH



STAGE II LOOKING NORTH

MODEL: Default
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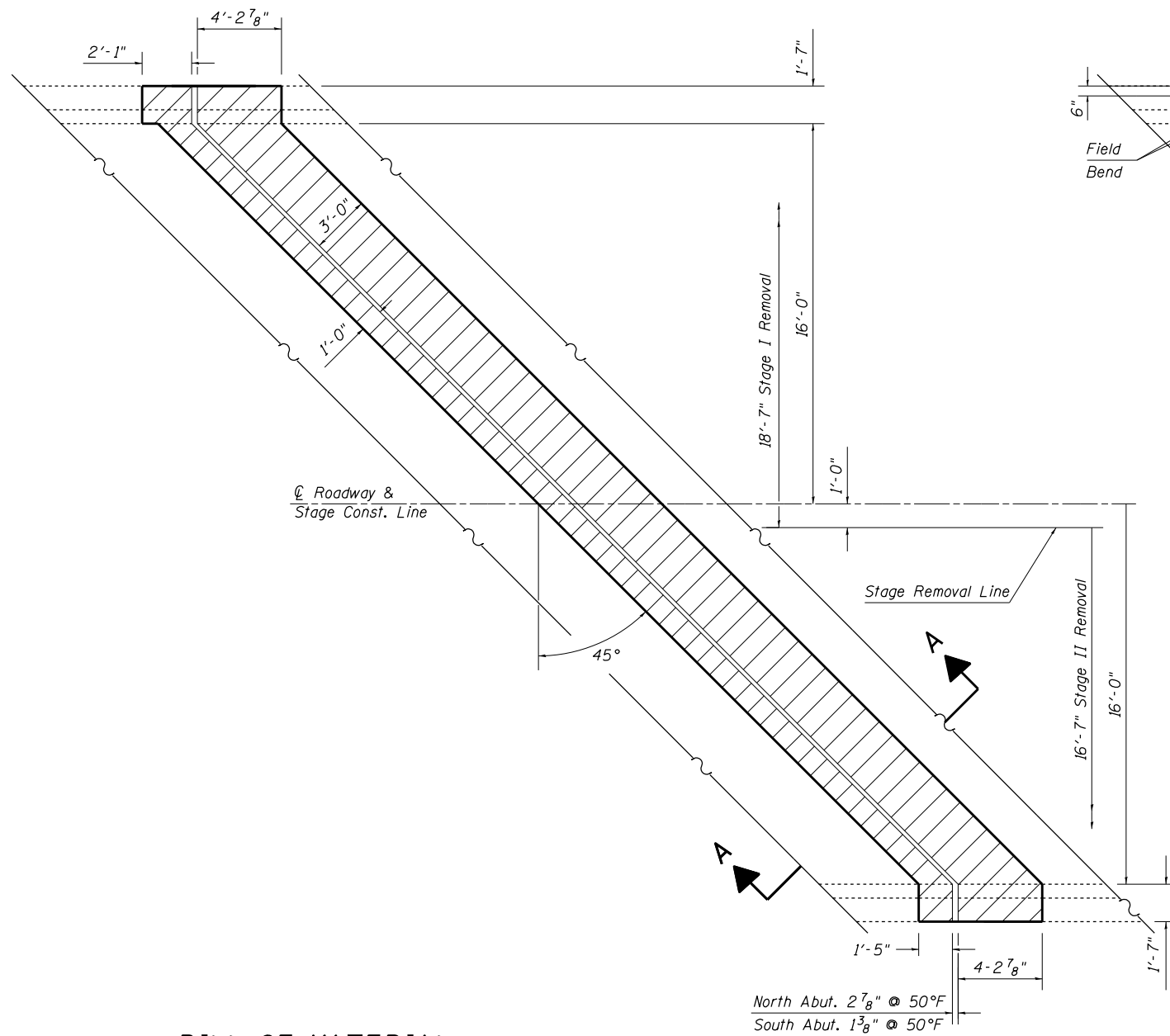
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES & BILL OF MATERIALS
SN 025-0091**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	105 R5-1	EFFINGHAM	30	18
CONTRACT NO. 74941				
ILLINOIS FED. AID PROJECT				



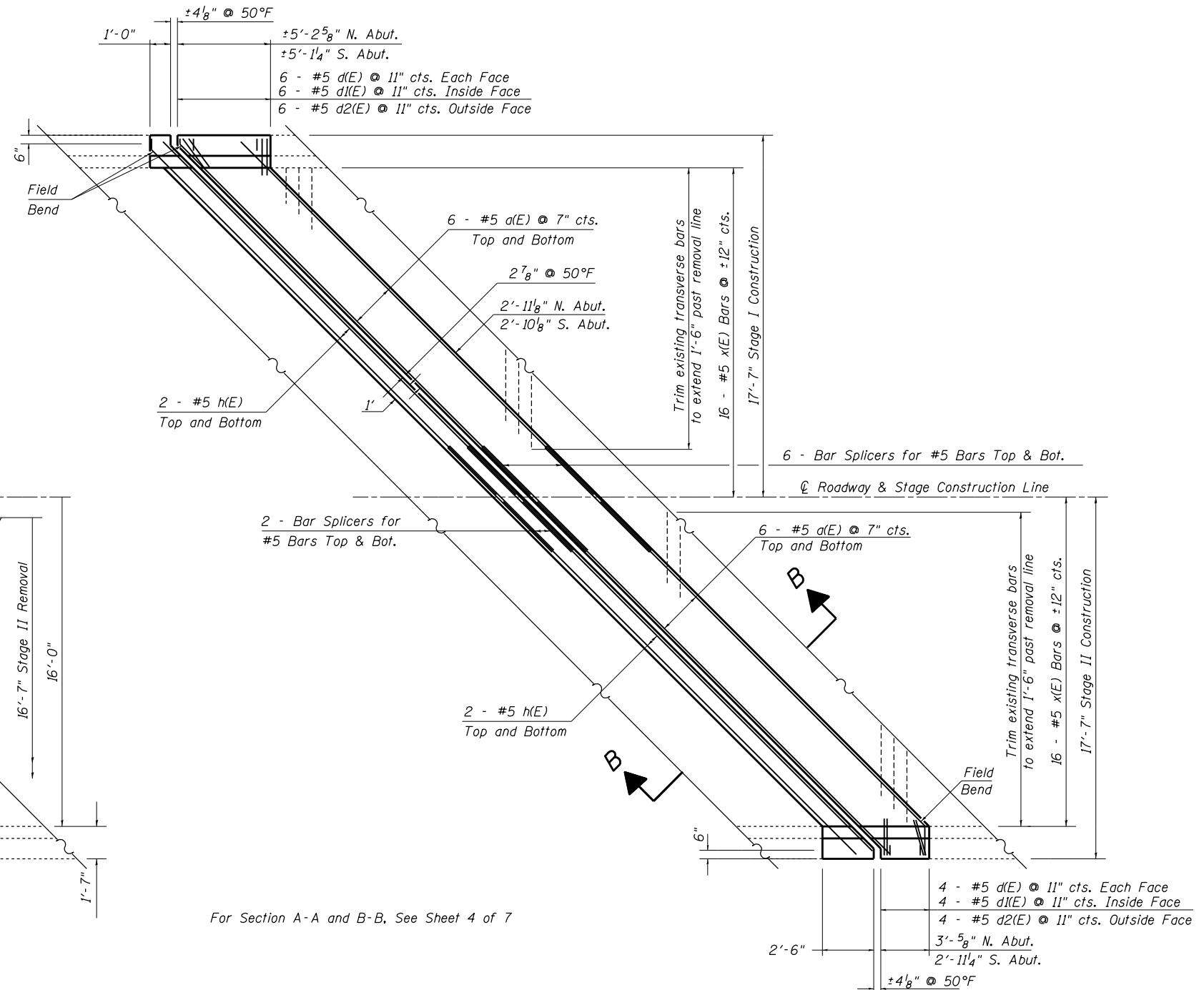
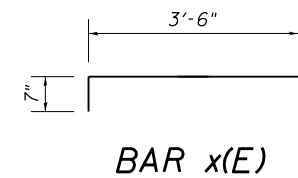
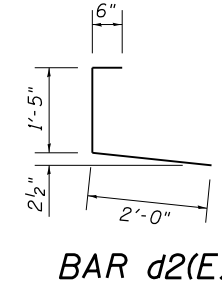
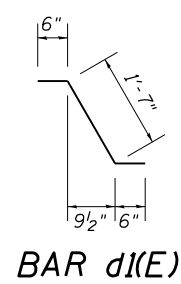
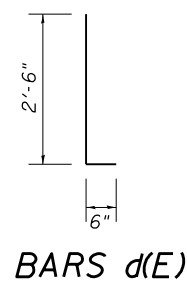
BILL OF MATERIAL

TWO ABUTMENTS

BAR	NUMBER OF BARS		TOTAL	SIZE	LENGTH	SHAPE	
	STAGE I	STAGE II					
a(E)	24	24	48	#5	24'-0"	—	
h(E)	8	8	16	#5	24'-3"	—	
d(E)	20	20	40	#5	3'-0"	└	
d1(E)	10	10	20	#5	2'-7"	└	
d2(E)	10	10	20	#5	3'-11"	└	
x(E)	32	32	64	#5	4'-1"	└	
REINFORCEMENT BARS (EPOXY COATED)						POUND	2140
CONCRETE REMOVAL						CU YD	15.9
CONCRETE SUPERSTRUCTURE						CU YD	17.2

EXISTING PARTIAL PLAN

(North Abut. Shown, South Abut. Similar by Rotation)



PROPOSED PARTIAL PLAN

(North Abut. Shown, South Abut. Similar by Rotation)

For Section A-A and B-B, See Sheet 4 of 7

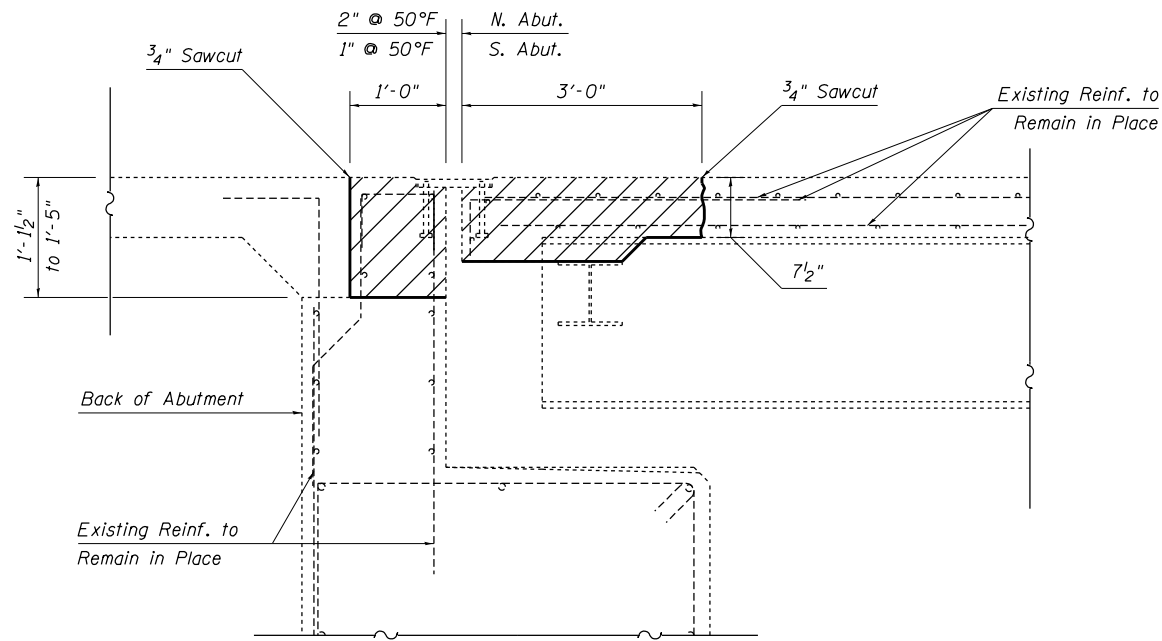
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAILS
SN 025-0091

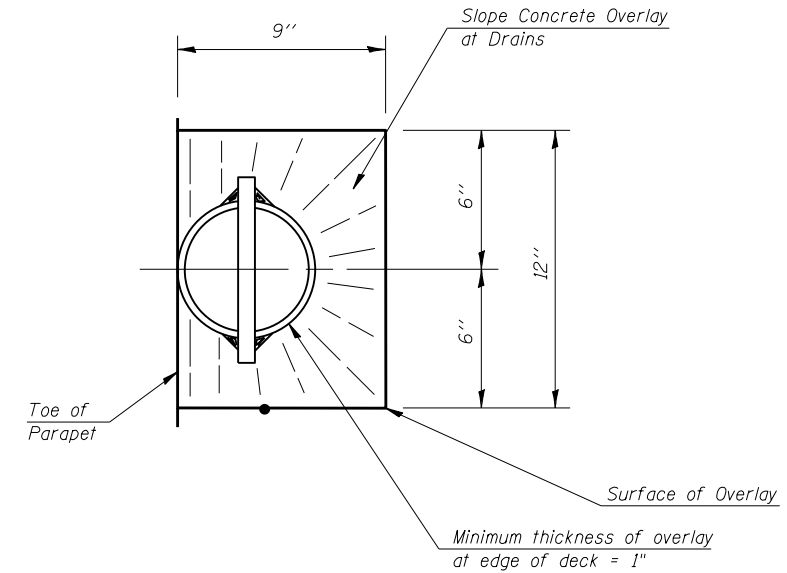
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828	105 RS-1	EFFINGHAM	30	19
CONTRACT NO. 74941				

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

ILLINOIS FED. AID PROJECT



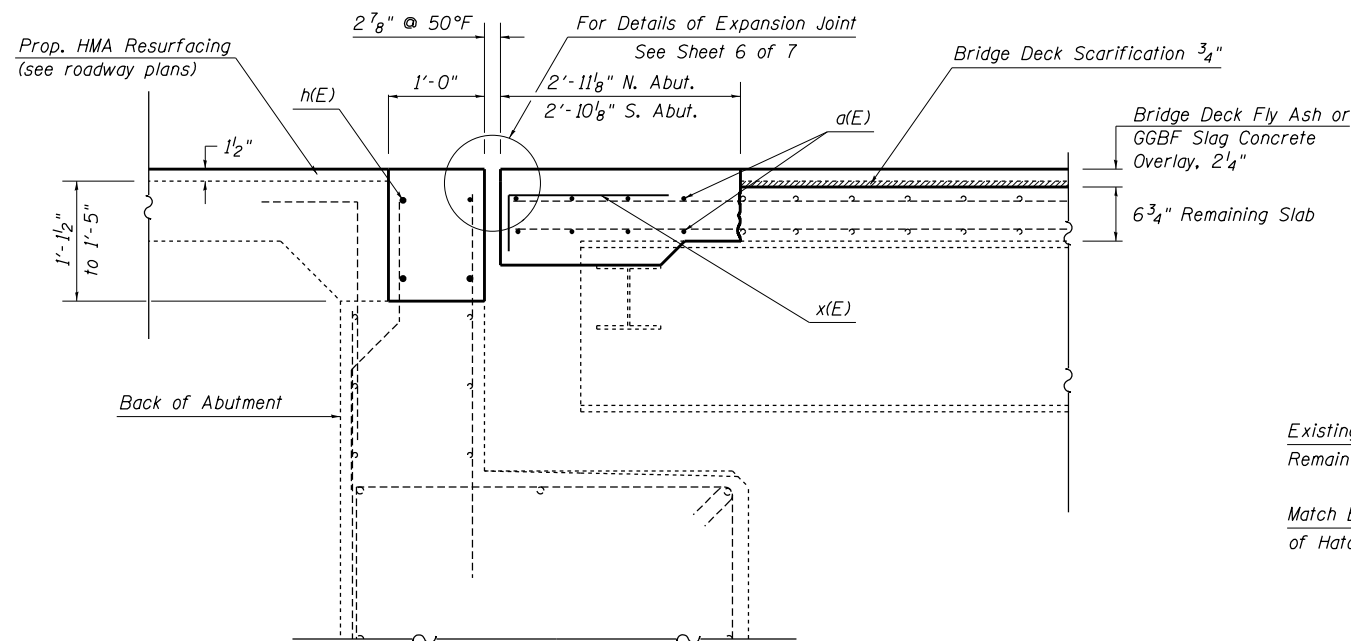
SECTION A-A
 (Dimensions at Rt L's to End of Deck)



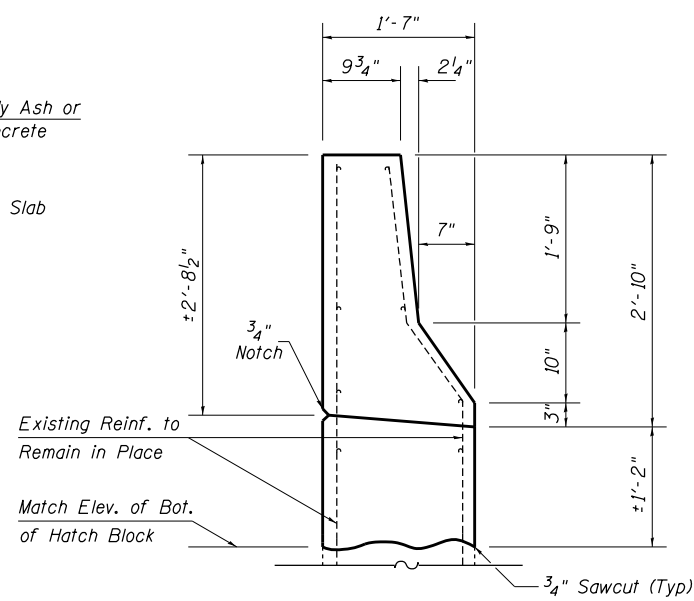
TREATMENT OF EXISTING DRAINS
TOP PLAN

Hatching Indicates Concrete Removal.

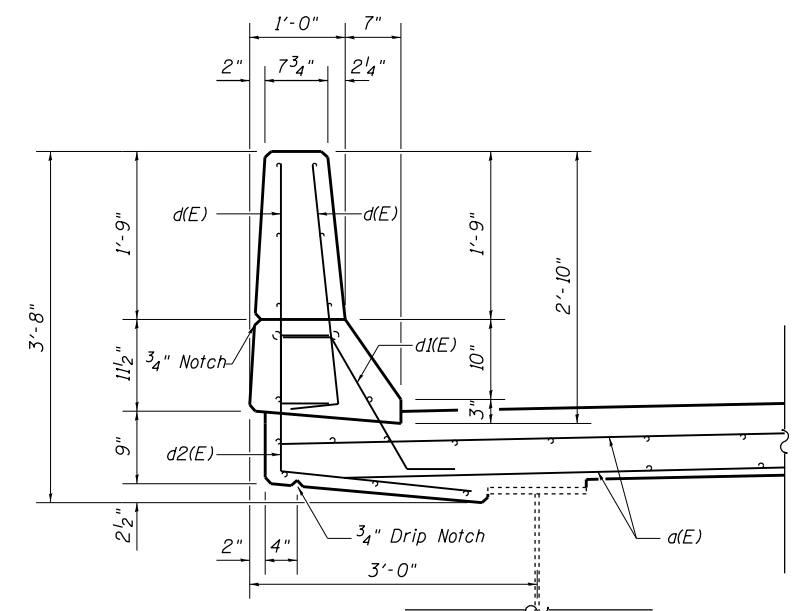
- o Existing Reinforcement
- Proposed Reinforcement



SECTION B-B
 (Dimensions at Rt L's to End of Deck)



TYPICAL WINGWALL
REMOVAL AND REPLACEMENT



SECTION THRU PARAPET

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	DATE - 1/24/2013	REVISED -

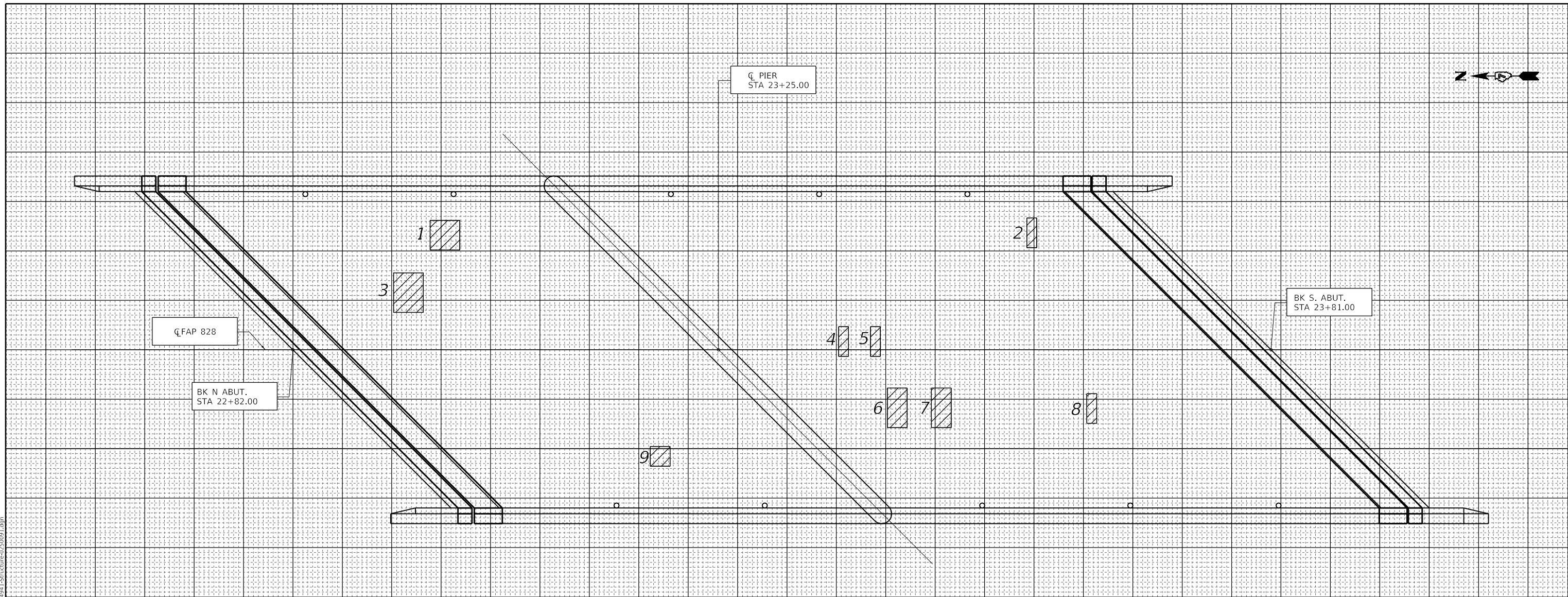
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAILS
 SN 025-0091

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

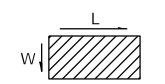
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CONTRACT NO. 74941				ILLINOIS FED. AID PROJECT

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PATCH NO.	SIZE		DECK SLAB REPAIR (FULL DEPTH TYPE I) SQ YD	DECK SLAB REPAIR (FULL DEPTH TYPE II) SQ YD
	LENGTH FEET	WIDTH FEET		
1	3.0	3.0		1.00
2	1.0	3.0	0.33	
3	3.0	4.0		1.33
4	1.0	3.0	0.33	
5	1.0	3.0	0.33	
6	2.0	4.0		0.89
7	2.0	4.0		0.89
8	1.0	3.0	0.33	
9	2.0	2.0	0.44	
TOTALS			1.76	4.11
ROUNDED TOTALS			2	5

THE LOCATIONS AND SIZES SHOWN GRAPHICALLY ABOVE ARE APPROXIMATE. SEE THIS TABLE FOR ACTUAL SIZES.



FULL DEPTH (TYPE I) & FULL DEPTH (TYPE II)

DATE OF SURVEY: 12-5-2019
 SURVEY BY: DPM
 METHOD OF SURVEY: VISUAL

ESTIMATED PAY QUANTITIES:
 DECK SLAB REPAIR (FULL DEPTH TYPE I) 2 SQ YD
 DECK SLAB REPAIR (FULL DEPTH TYPE I) 5 SQ YD

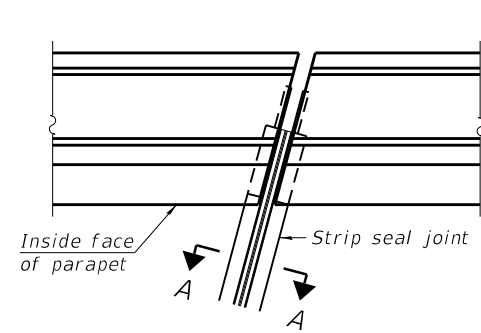
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PLOT DATE = 12/15/2020	CHECKED - D. Macklin	REVISED -
	DATE - 5/14/2020	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BRIDGE DECK PATCHING
 SN 025-0091

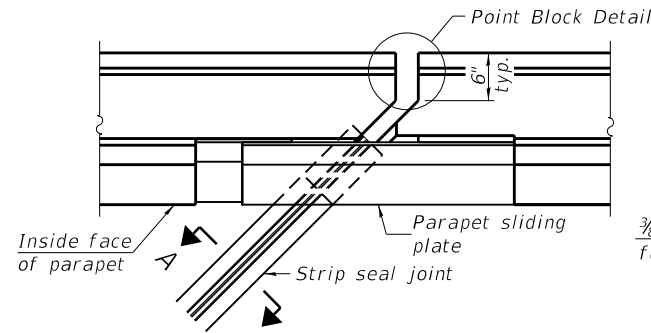
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CONTRACT NO. 74941			ILLINOIS FED. AID PROJECT	

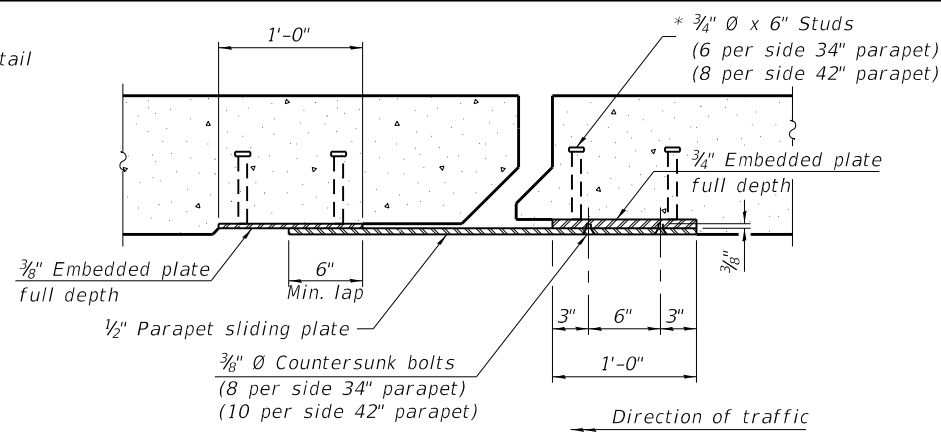


FOR SKEWS $\leq 30^\circ$

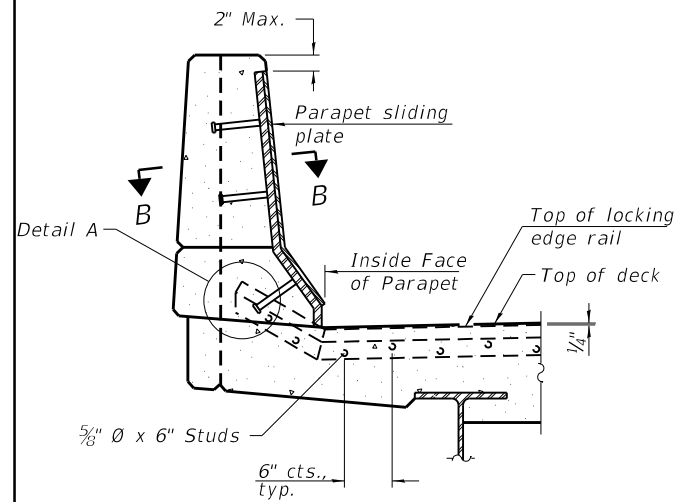
PLAN AT PARAPET



FOR SKEWS $> 30^\circ$

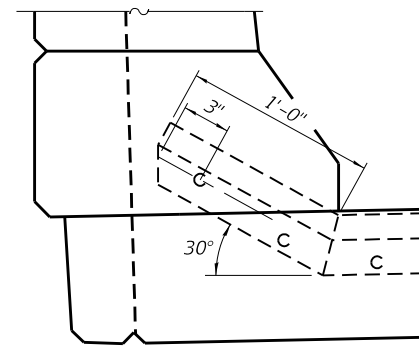


SECTION B-B

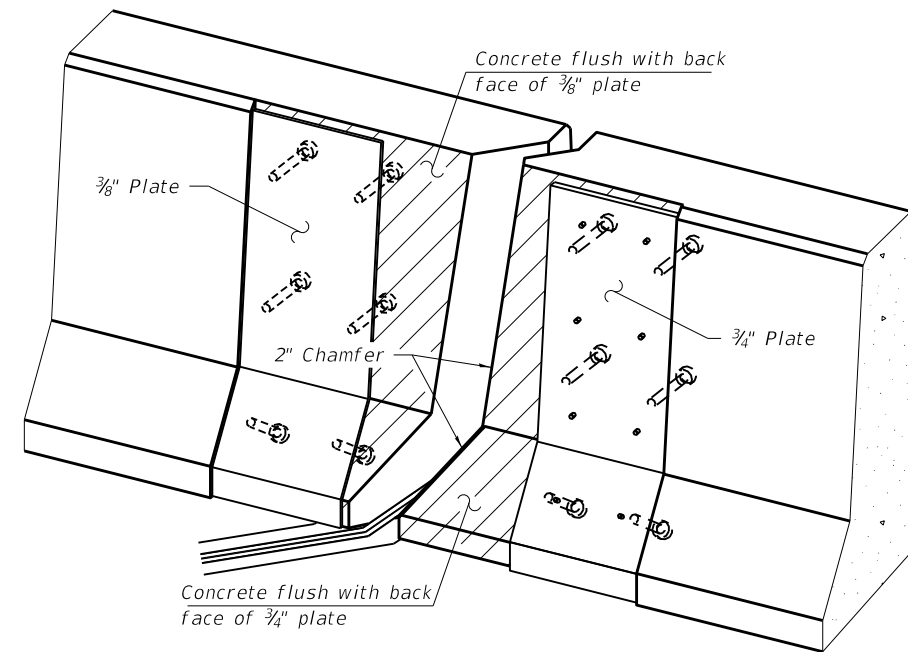


ELEVATION AT PARAPET

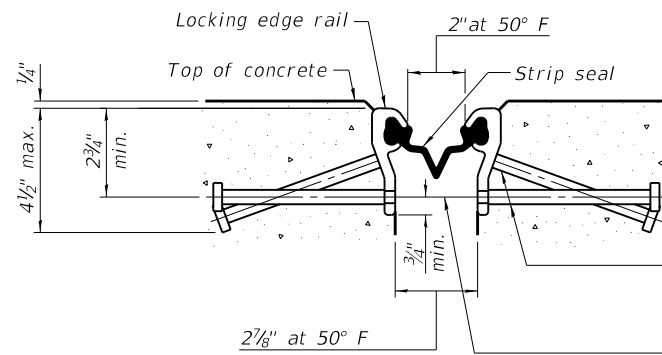
(Skews $> 30^\circ$ shown. Skews $\leq 30^\circ$ similar except as shown in plan view.)



DETAIL A



TRIMETRIC VIEW
(Showing embedded plates only)



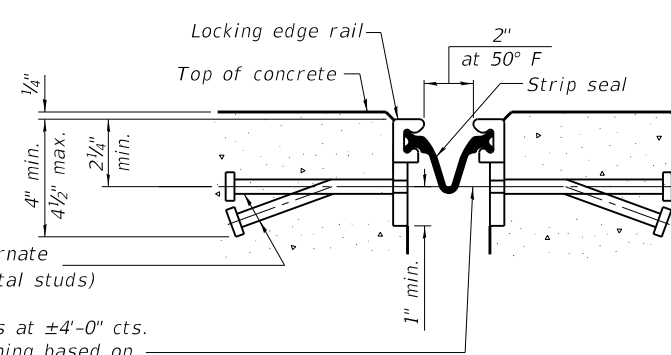
SHOWING ROLLED RAIL JOINT

* $5/8"$ Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

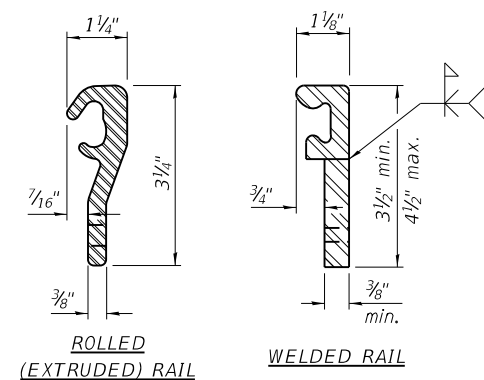
$3/8"$ Ø threaded rods in $7/16"$ Ø holes at $\pm 4"-0"$ cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

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

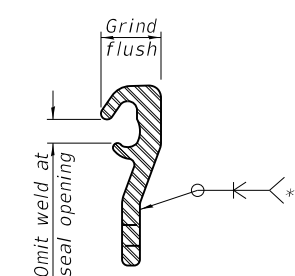


SHOWING WELDED RAIL JOINT



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	96

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of $1/4"$. 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 $4 1/2"$ 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.

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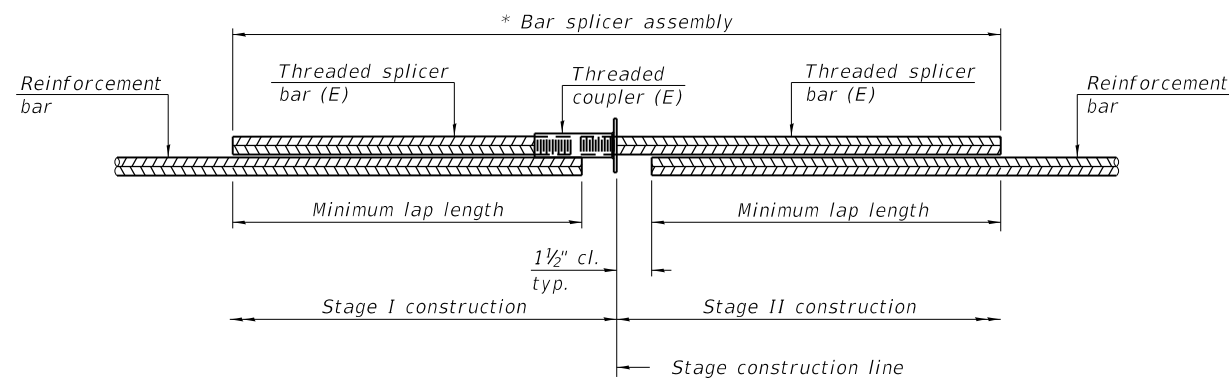
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	DATE - 5/14/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL DETAIL
STRUCTURE NO. 025-0091

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	105 RS-1	EFFINGHAM	30	22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74941	

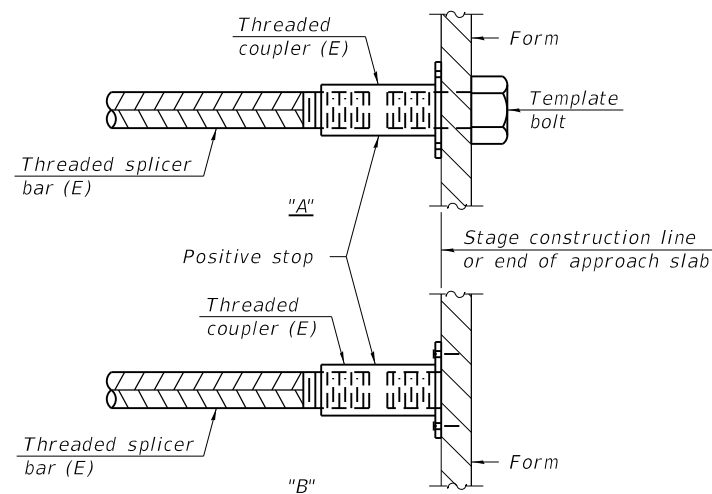


STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

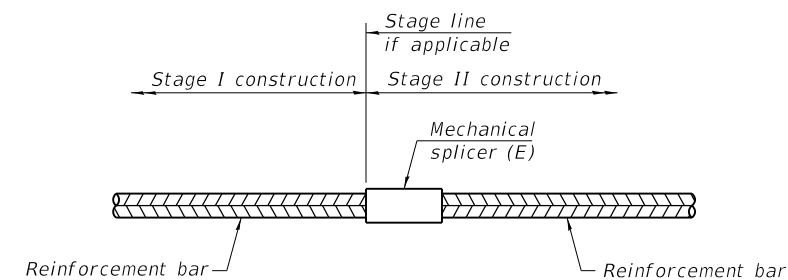
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
025-0091	#5	32	3'-6"



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

1-1-2020

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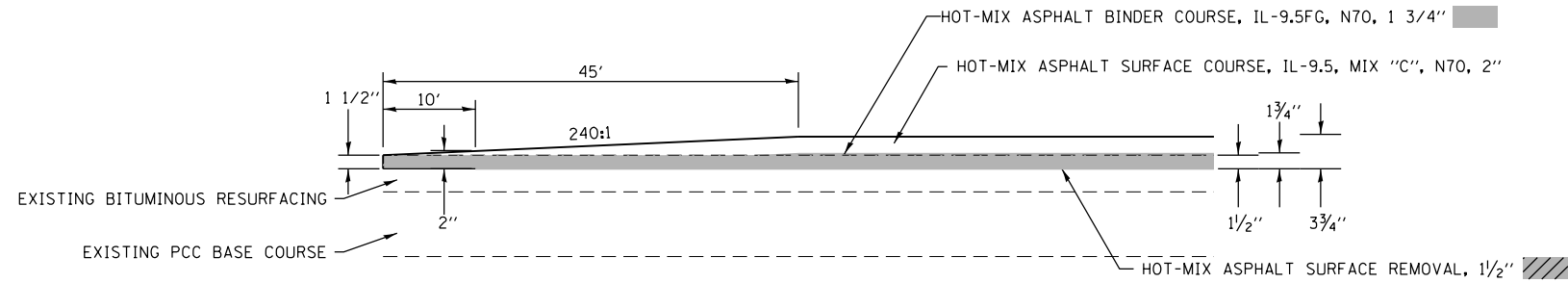
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PLOT DATE = 12/15/2020	DATE - 5/14/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 025-0091**

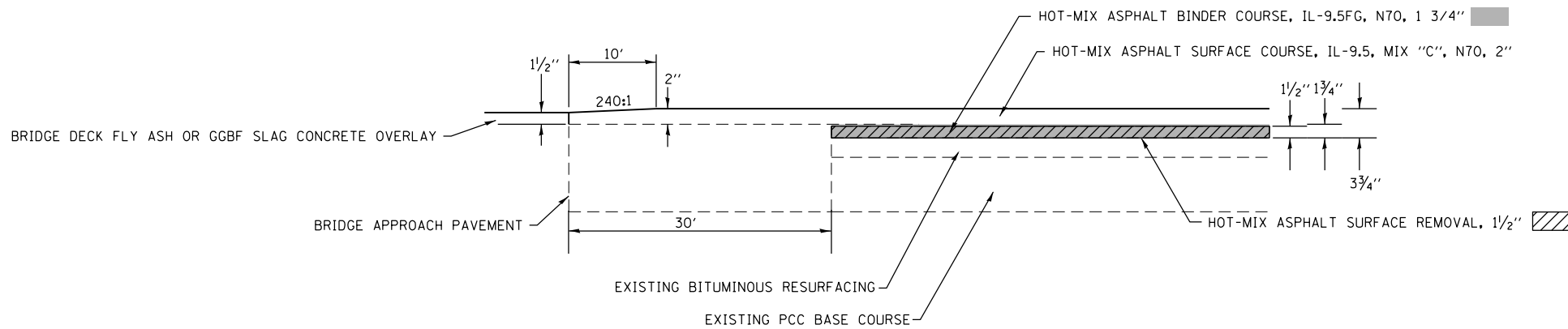
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	105 RS-1	EFFINGHAM	30	23
CONTRACT NO. 74941				
ILLINOIS FED. AID PROJECT				



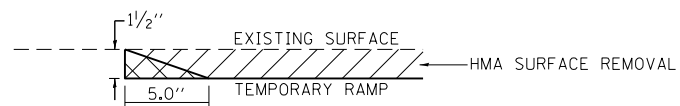
PAVING BUTT JOINT DETAIL

STA 15+55 TO STA 16+00
 STA 22+07 TO 22+52
 STA 24+11 TO 24+56
 STA 437+49.5 TO STA 437+94.5 (END OF RESURFACING)



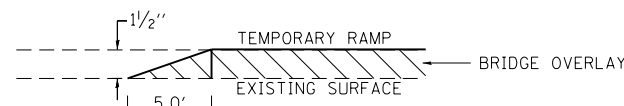
PAVING BUTT JOINT DETAIL

STA 22+72 TO STA 22+82
 STA 23+81 TO STA 23+91



TEMPORARY RAMP

STA 15+55.00 TO STA 15+60.00
 STA. 22+47.00 TO STA. 22+52.00
 STA. 24+11.00 TO STA. 24+16.00
 STA 437+89.50 TO STA 437+94.50



TEMPORARY RAMP

STA 22+77 TO STA 22+82
 STA 23+81 TO STA 23+86

ORDER/SEQUENCE OF OPERATIONS:

- CONSTRUCT HMA SURFACE REMOVAL 1.5" (STATION 15+55 TO STATION 437+94.5)
- CONSTRUCT 1.75" HMA BINDER ON 22' ROADWAY (STATION 15+55 TO STATION 437+94.5)
- CONSTRUCT HMA SHOULDER 8" (STATION 15+55 TO STATION 437+94.5)
- CONSTRUCT HMA SHOULDER 10" SOUTH OF ROADWAY RESURFACING (STATION 437+94.5 TO STATION 546+90)
- CONSTRUCT 2" HMA SURFACE COURSE 30' WIDE (22' MAINLINE AND 8' SHOULDERS) (STATION 15+55 TO STATION 437+94.5)

NOT TO SCALE

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

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USER NAME = steffenmk	DESIGNED -	REVISED -
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	DATE -	REVISED -

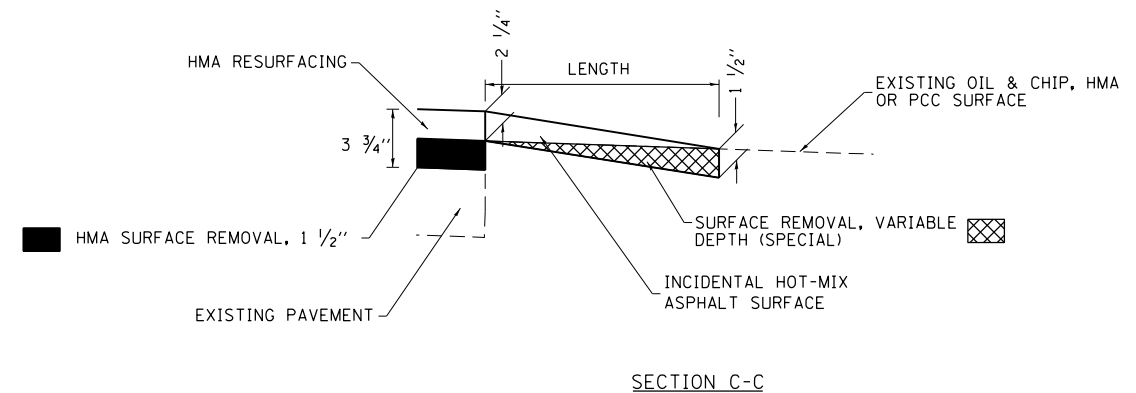
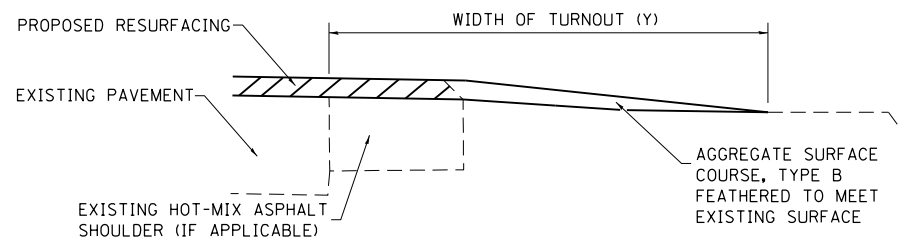
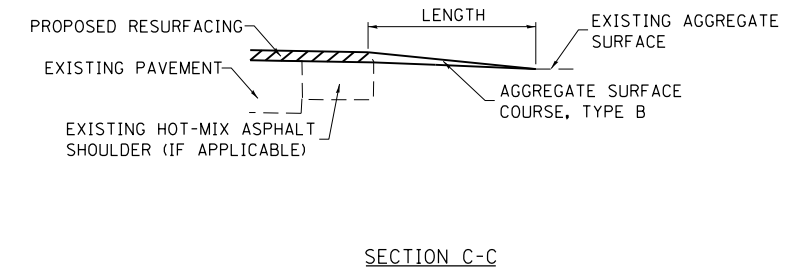
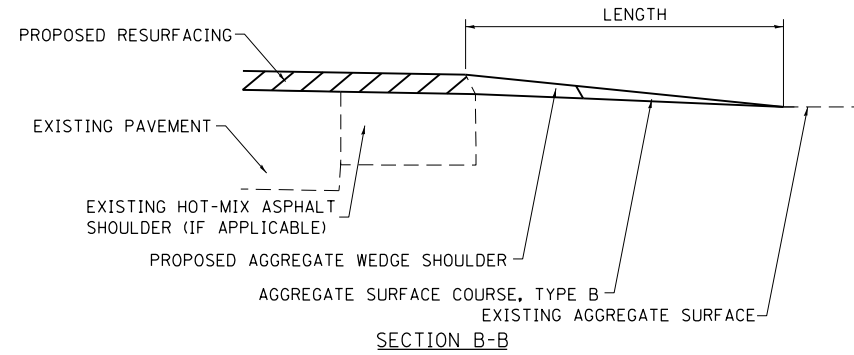
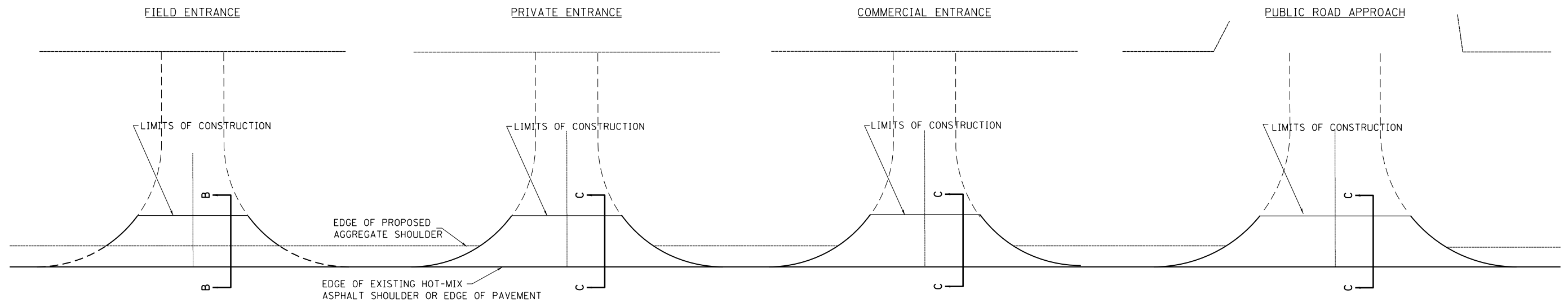
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVING DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	105 RS-1	EFFINGHAM	30	24
CONTRACT NO. 74941				
ILLINOIS FED. AID PROJECT				

RURAL, EXISTING BITUMINOUS SHOULDER



TYPICAL SECTION AT MAILBOX TURNOUT

NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

NOTES

LENGTH = 10' UNLESS OTHERWISE NOTED ON PLANS

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

APPLICATION FOR RURAL, EXISTING BITUMINOUS SHOULDER.

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USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/15/2020	DATE -	REVISED -

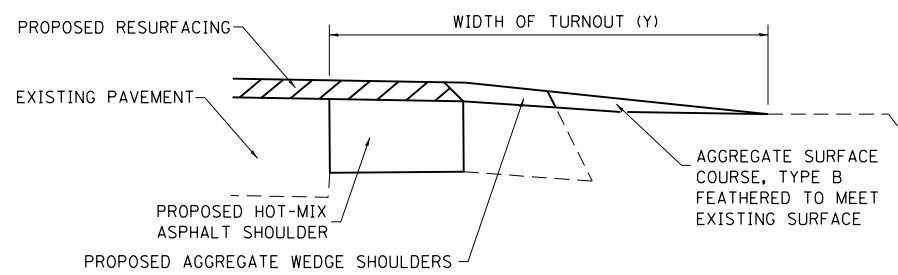
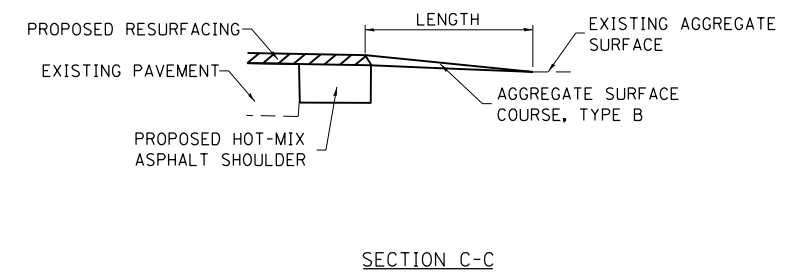
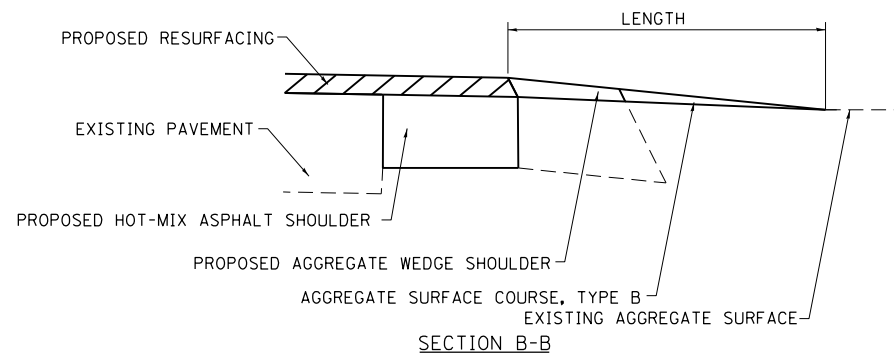
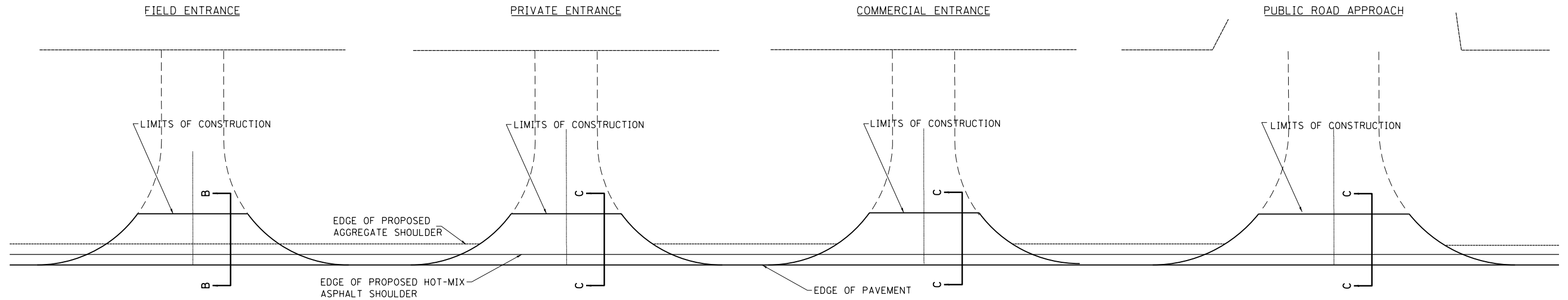
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RURAL ENTRANCE AND MAILBOX TURNOUT DETAILS
WITH SHOULDERS**

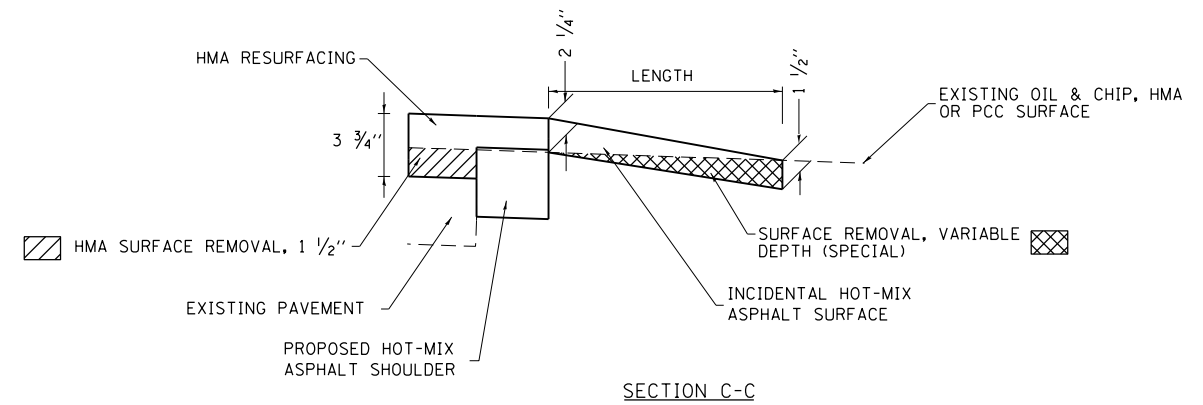
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 828	SECTION 105 RS-1	COUNTY EFFINGHAM	TOTAL SHEETS 30	SHEET NO. 25
CONTRACT NO. 74941			ILLINOIS FED. AID PROJECT	

RURAL, NEW BITUMINOUS SHOULDER



TYPICAL SECTION AT MAILBOX TURNOUT
NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS



NOTES

LENGTH = 10' UNLESS OTHERWISE NOTED ON PLANS

THE THICKNESS OF THE HOT-MIX ASPHALT SHOULDERS THROUGH AGGREGATE COMMERCIAL ENTRANCES AND PUBLIC ROADS SHALL BE 10". THE COST OF THE EXTRA THICKNESS SHALL BE INCLUDED WITH THE HOT-MIX ASPHALT SHOULDERS PAY ITEM.

APPLICATION FOR RURAL, NEW BITUMINOUS SHOULDER.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

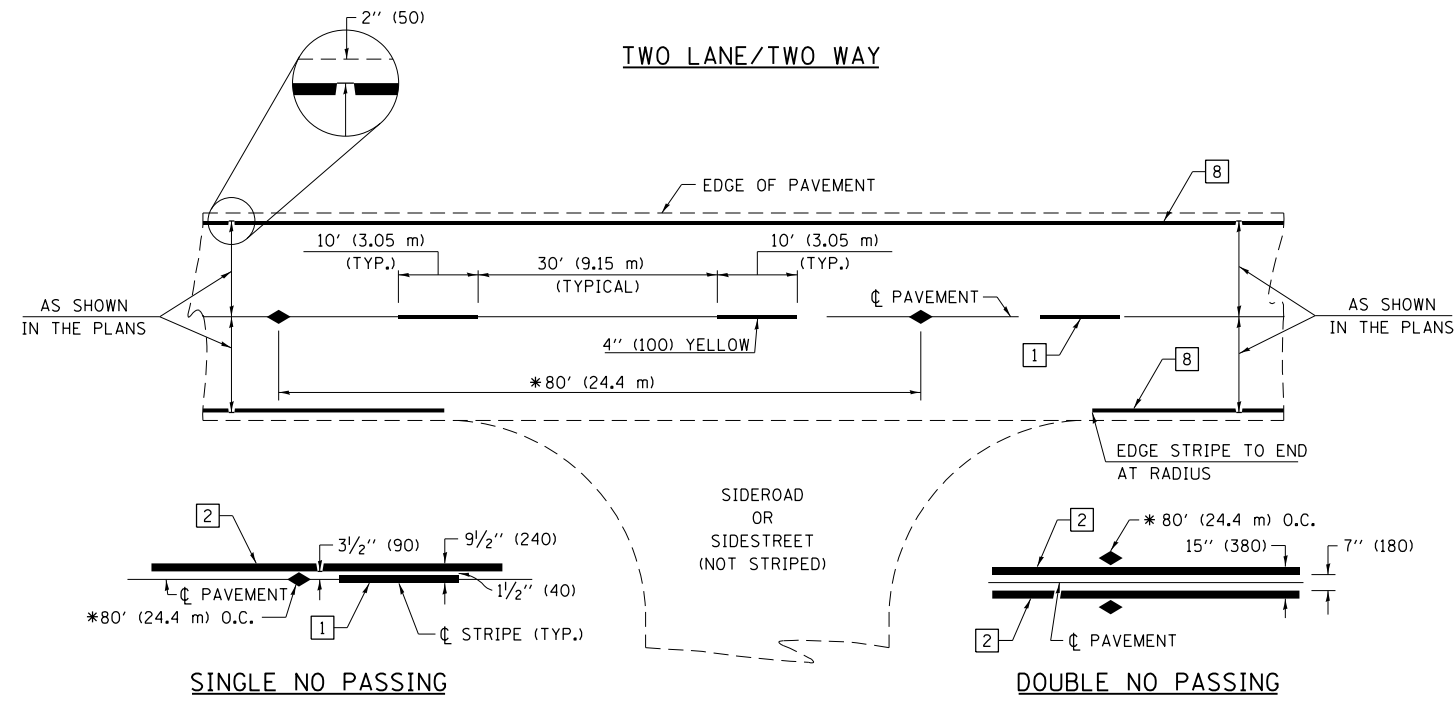
RURAL ENTRANCE AND MAILBOX TURNOUT DETAILS
SHOULDERS (PROPOSED)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	105 RS-1	EFFINGHAM	30	26
CONTRACT NO. 74941				

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

ILLINOIS FED. AID PROJECT

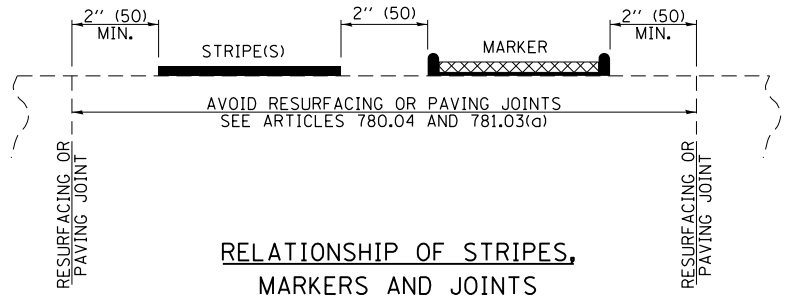
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 PLOT DATE: 12/15/2020



* 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

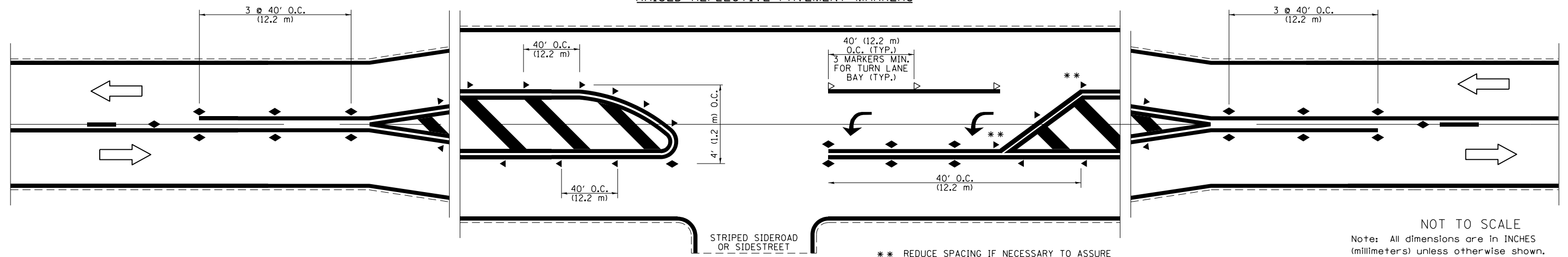


RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

TYPICAL PAVEMENT MARKERS LEGEND

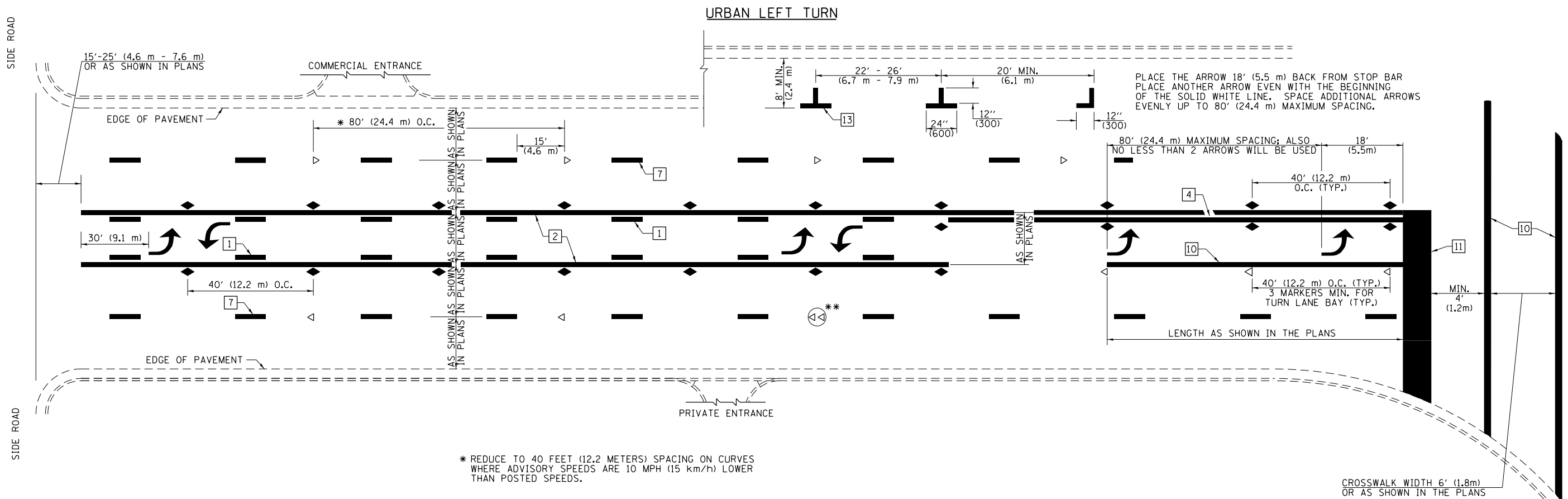
- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

RAISED REFLECTIVE PAVEMENT MARKERS



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

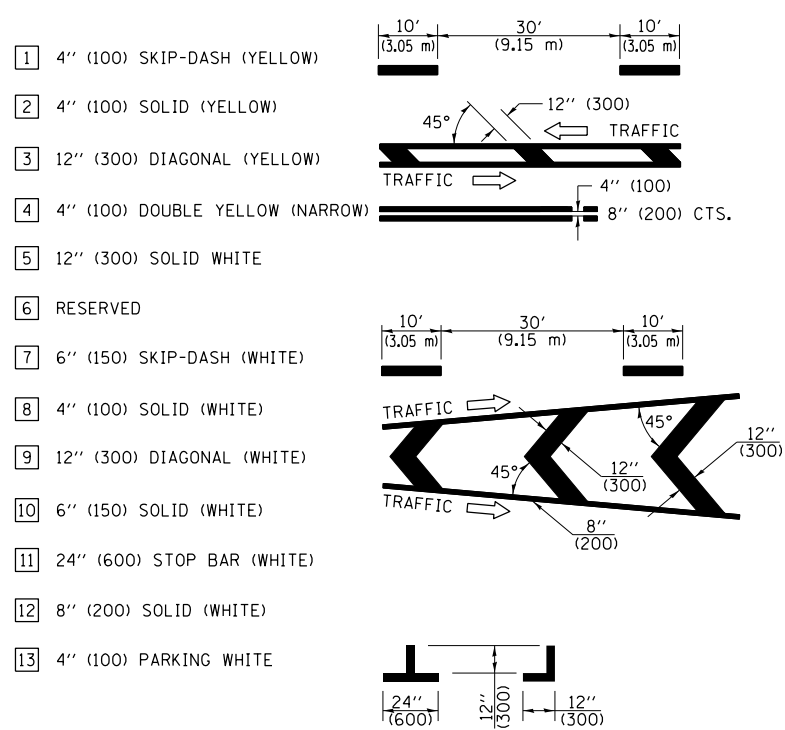
NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.



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

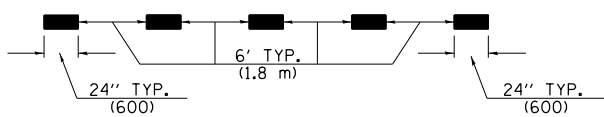
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

PAVEMENT MARKING LEGEND

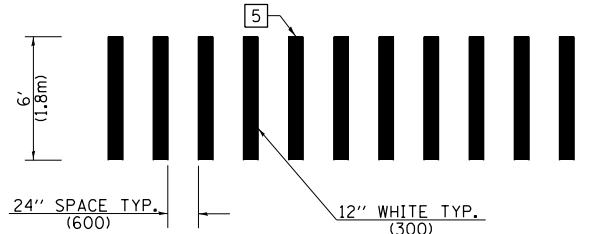


GENERAL NOTES

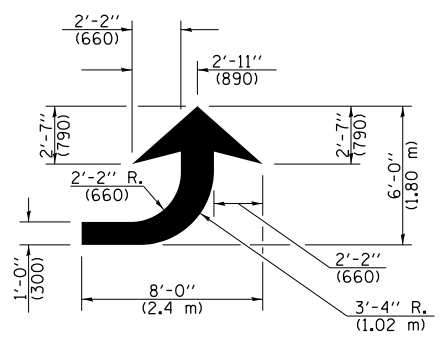
- TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
- THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT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



LANE LINE EXTENSIONS

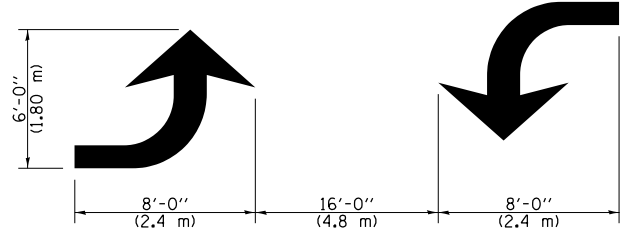


CROSSWALK DETAIL (DECATUR CITY LIMITS ONLY)



LEFT ARROW

REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)



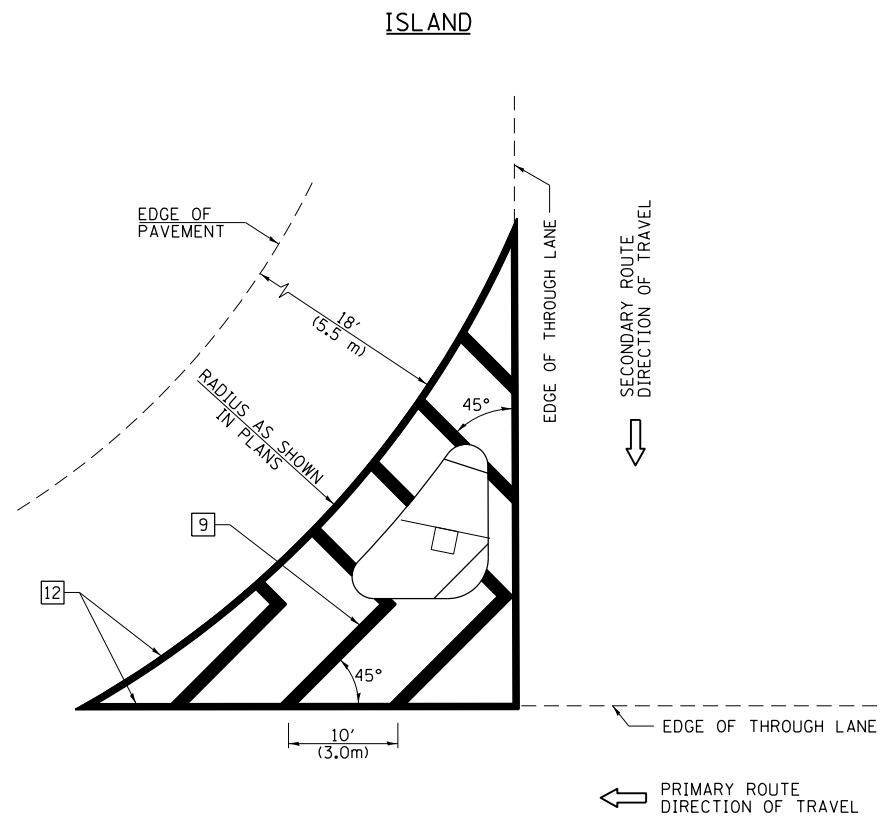
TYPICAL DOUBLE TURN ARROWS (WHITE)

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PWIDOT\Documents\IDOT Offices\District 7\Projects\74941\CDRAWN\CADsheets\0774941-sht-details.dgn	PROJECT = 100.0000' / in.	CHECKED -	REVISED -			828	105 RS-1	EFFINGHAM	30	28
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 74941				
PLOT DATE = 12/15/2020	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT				

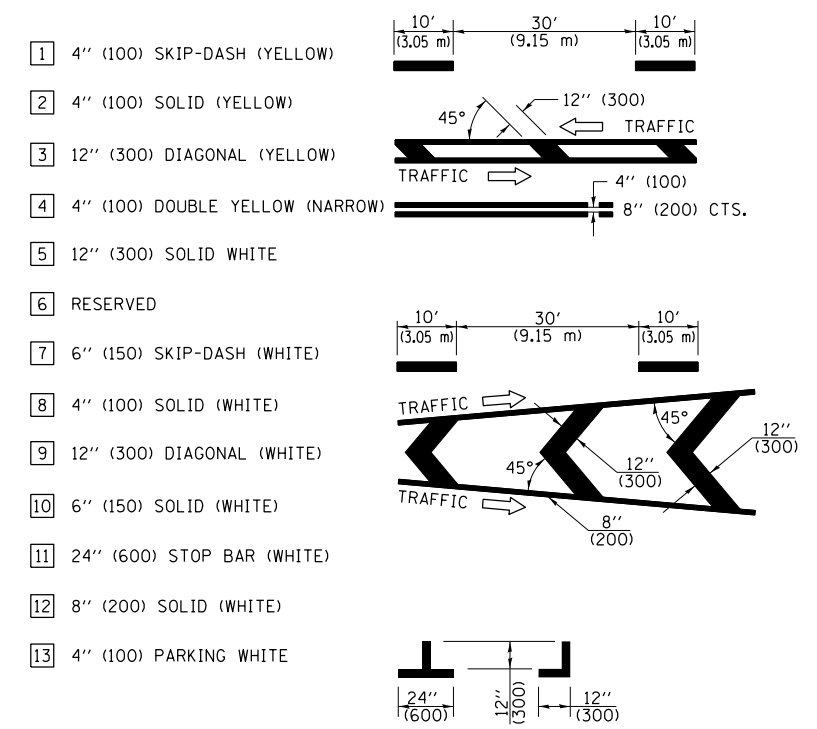


GENERAL NOTES

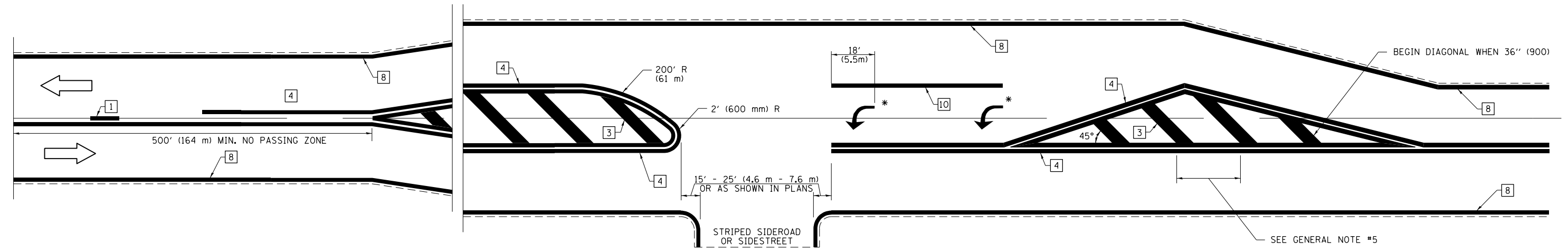
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING 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



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. 7800001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
pw:\planroom.dot.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 7\Projects\74941\CAD\CADsheets\0774941-sht-details.dgn		REVISION	REVISION
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	PLOT DATE = 12/15/2020	DATE -	REVISED -

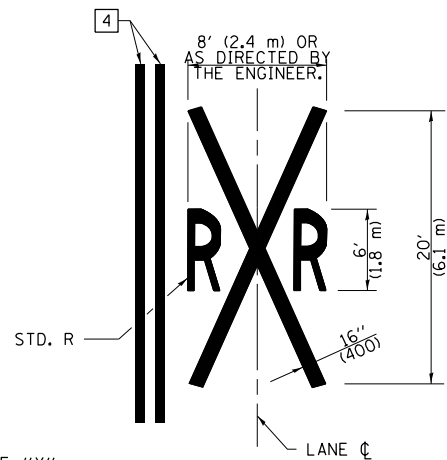
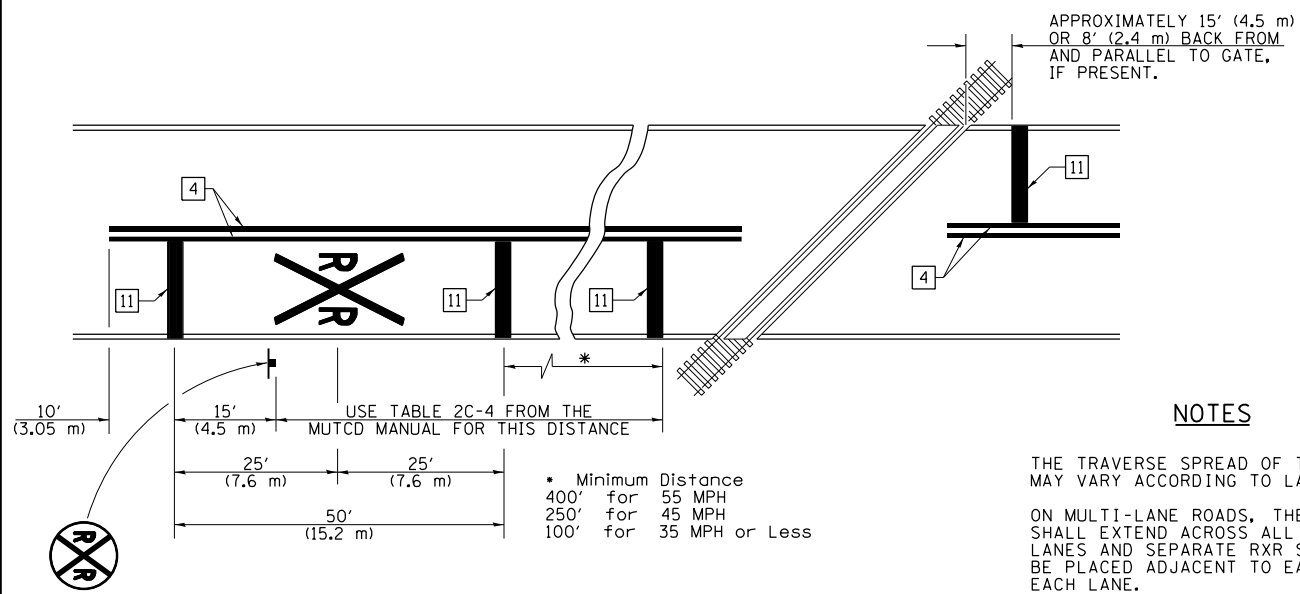
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
828	105 RS-1	EFFINGHAM	30	29
CONTRACT NO. 74941				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



NOTES

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

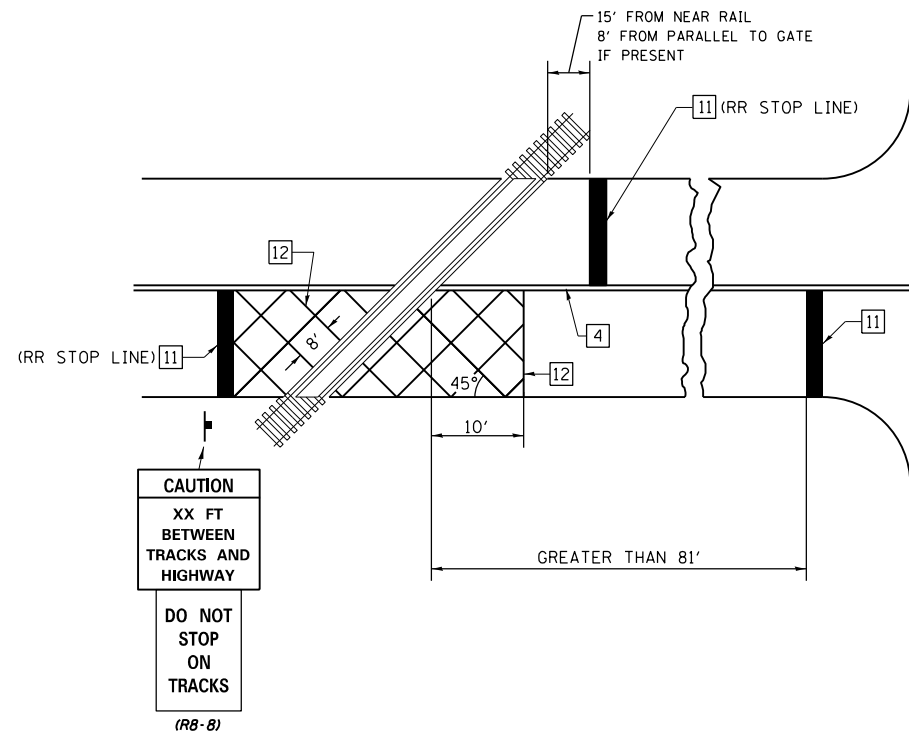
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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.

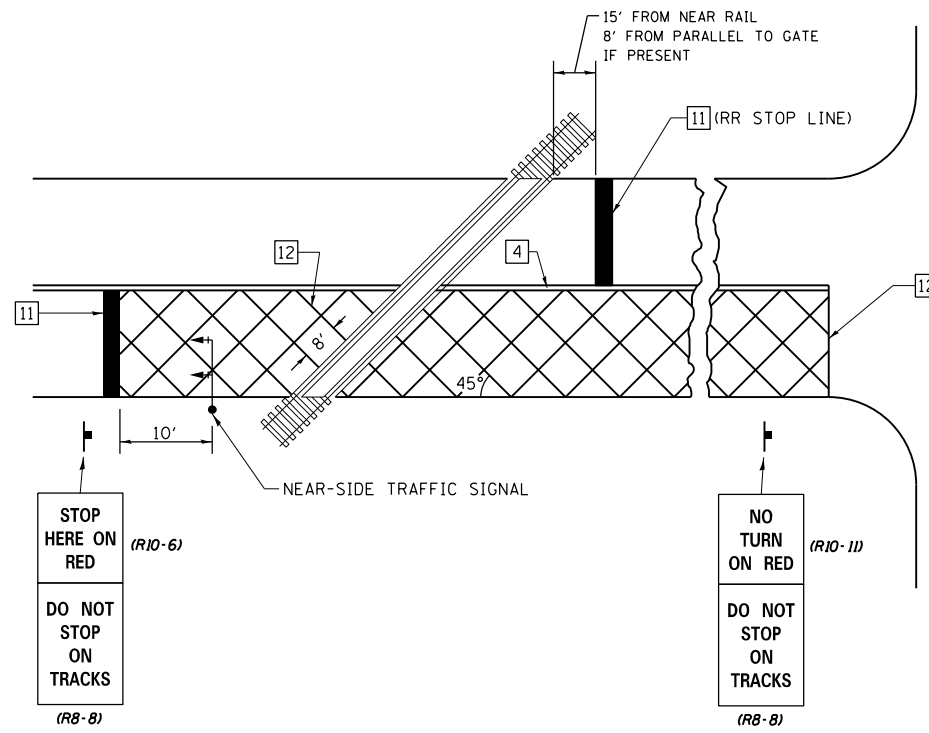
PAVEMENT MARKING LEGEND

- 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

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- 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. 7800001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\planroom.dot.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 7\Projects\74941\CAD\CADsheets\0774941-sht-details.dgn		REVISIONS	REVISIONS			828	105 RS-1	EFFINGHAM	30	30	
		CHECKED -	REVISIONS -			CONTRACT NO. 74941					
		DATE -	REVISIONS -			ILLINOIS FED. AID PROJECT					
PLOT SCALE = 100.0000' / 1in.		PLOT DATE = 12/15/2020		SCALE:		SHEET NO. 4 OF 4 SHEETS		STA.		TO STA.	