

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	* 73	1
		ILLINOIS	CONTRACT NO. 74939	

\* 73 + 2 = 75 TOTAL SHEETS

D-97-015-20



# PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 332 (IL 1)  
SECTION (101, 102, 103)RS-3  
PROJECT NHPP-YVIB(188)  
3P RESURFACING  
WABASH COUNTY

C-97-015-20

FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT = 2450 (2019)

STATION EQUATIONS:

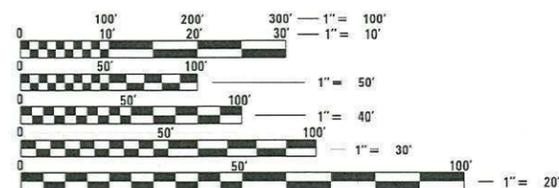
- 198 + 46.90 = 198 + 52.40
- 213 + 05.10 = 213 + 18.70
- 230 + 17.40 = 230 + 23.90
- 241 + 71.40 = 241 + 78.00
- 410 + 58.20 = 410 + 58.50
- 423 + 87.50 = 423 + 87.60
- 473 + 12.00 = 473 + 14.60
- 595 + 20.20 = 595 + 21.40
- 626 + 24.40 = 626 + 27.30
- 640 + 98.70 = 641 + 05.10
- 655 + 70.60 = 655 + 71.10
- 777 + 32.60 = 834 + 81.30

RURAL

STA. 150 + 13.07 TO STA. 731 + 50.00

URBAN

STA. 731 + 50.00 TO STA. 849 + 69.88



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.

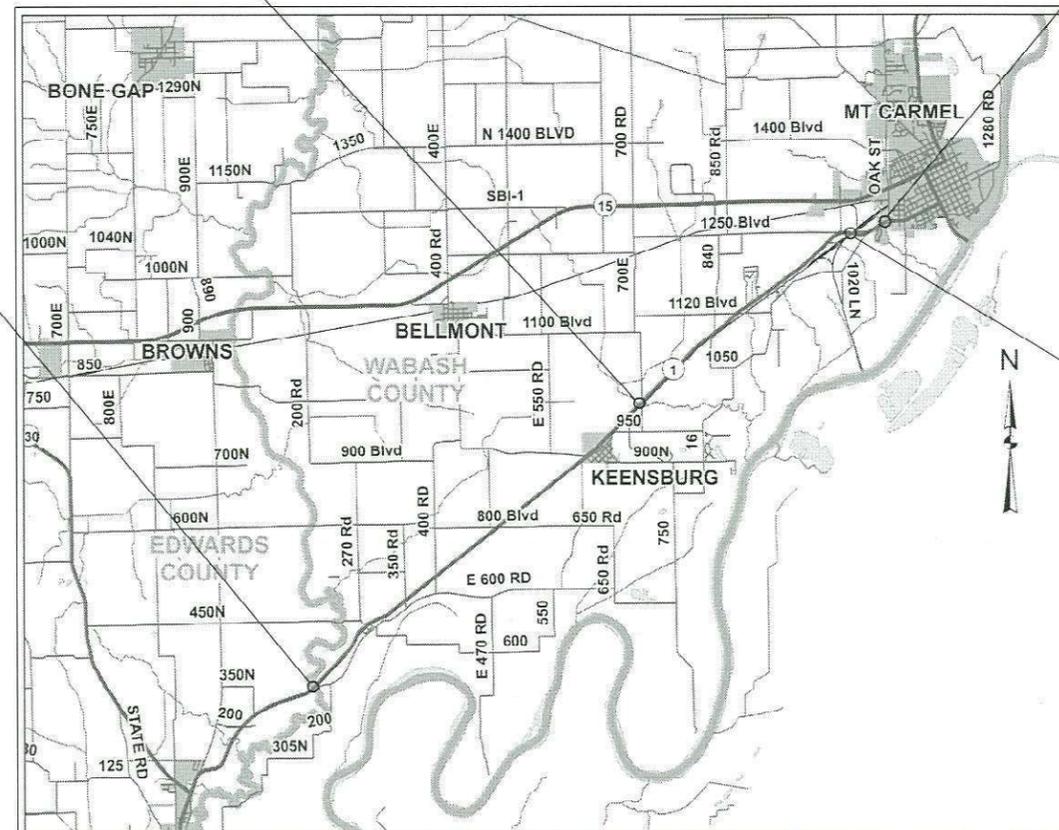
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS  
1-800-892-0123  
OR 811

PROJECT ENGINEER: TOM RONAN  
PROJECT MANAGER: JEFF DAVISON

CONTRACT NO. 74939

PAVING OMISSION: S.N. 093-0020  
STA. 520 + 05.75 TO STA. 521 + 06.25

PROJECT BEGINS:  
STA. 150 + 13.07



PROJECT ENDS:  
STA. 849 + 69.88

PAVING OMISSION: S.N. 093-0023  
STA. 755 + 97.28 TO STA. 759 + 98.04

GROSS LENGTH = 64,161.91 FT. = 12.152 MILE  
NET LENGTH = 63,660.65 FT. = 12.057 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED JANUARY 14, 2021

Jeffrey P. Myrland  
REGIONAL ENGINEER

March 19, 2021

Scott A. Elk  
ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 2021

Samuel J. [Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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- 66-72 ROADWAY CROSS SECTIONS
- 73 8X2 PRECAST CONCRETE BOX CULVERT CROSS SECTION

\* INCLUDES SHEETS 61A AND 61B

LIST OF STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 406201-01 MAILBOX TURNOUT
- 442201-03 CLASS C AND D PATCHES
- 542001-06 CONCRETE END SECTIONS FOR PIPE CULVERTS, 15" (375mm) THRU 84" (2100mm) DIAMETER
- 542201-02 REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS, 15" (375mm) THRU 36" (900mm) DIAMETER, SKEWED WITH ROADWAY
- 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 601101-02 CONCRETE HEADWALL FOR PIPE DRAIN
- 606201-04 TYPE B GUTTER (INLET, OUTLET AND ENTRANCE)
- 630001-12 STEEL PLATE BEAM GUARDRAIL
- 635001-02 DELINEATORS
- 667101-02 PERMANENT SURVEY MARKERS
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) 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
- 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
- 701336-07 LANE CLOSURE, 2L, 2W, WORK AREA IN SERIES, FOR SPEEDS > 45 MPH
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701901-08 TRAFFIC CONTROL DEVICES
- 704001-08 TEMPORARY CONCRETE BARRIER
- 720011-01 METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKIERS
- BLR 21-9 TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

GENERAL NOTES

THIS PROJECT IS LOCATED ON FAP ROUTE 332 (IL 1) IN WABASH COUNTY, FROM THE EDWARDS COUNTY LINE TO GREATHOUSE CREEK IN MT. CARMEL. THE WORK INCLUDED IN SECTION (101,102,103)RS-3 CONSISTS OF PAVEMENT PATCHING, MILLING, HOT-MIX ASPHALT RESURFACING, HOT-MIX ASPHALT SHOULDERS, BRIDGE REPAIR (SN 093-0020), BOX CULVERT REMOVAL, CONSTRUCTION OF A 8'X2' PRECAST BOX CULVERT, AGGREGATE WEDGE SHOULDER, PAVEMENT MARKING, AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

THE MATERIAL USED FOR AGGREGATE WEDGE SHOULDERS, TYPE B SHALL BE CRUSHED STONE, CRUSHED CONCRETE OR RAP. RAP WILL NOT BE PERMITTED WITHIN THE CITY LIMITS OF MT. CARMEL. THE MATERIAL USED FOR AGGREGATE SURFACE COURSE, TYPE B SHALL BE CRUSHED STONE OR CRUSHED CONCRETE.

IN THE AREA OF SIGNIFICANT PROFILE CHANGE, THE BINDER COURSE SHALL BE CONSTRUCTED IN BOTH LANES EACH DAY. THE EMBANKMENT SHALL BE CONSTRUCTED UP TO THE ELEVATION OF THE ELEVATION OF THE TOP THE DAY'S BINDER COURSE BEFORE THE END OF THE WORKING DAY. NO DROP-OFF WILL BE ALLOWED DURING NON-WORKING HOURS. SHORT-TERM PAVEMENT MARKINGS SHALL BE INSTALLED ALONG THE CENTERLINE ON THE DAYS FINAL LIFT OF BINDER COURSE BEFORE THE END OF THE WORKING DAY.

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON TOP OF THE HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70.

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

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

AGGREGATE SURFACE COURSE	2.05 TONS/CU YD
AGGREGATE WEDGE SHOULDERS	2.05 TONS/CU YD
HOT-MIX ASPHALT	112 LBS/SQ YD/INCH
BITUMINOUS MATERIALS (TACK COAT)	0.05 LBS/SQ FT (MILLED SURFACE)
	0.025 LBS/SQ FT (HMA LIFT)

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

APPLICATION	AC/PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	QUALITY MANAGEMENT
HMA SURFACE COURSE, IL-9.5, MIX "C", N70	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	PFM
HMA BINDER COURSE, IL-9.5FG, N70	PG 64-22	4.0% @ N=70	IL - 9.5FG	N/A	PFM
INCIDENTAL HMA SURFACING	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/QA
CLASS "D" PAVEMENT PATCHING	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	QC/QA
HMA BINDER COURSE, IL-19.0, N70	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	QC/QA

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REV. - MS

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				SCALE:	SHEET OF	SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		



80% FED  
20% STATE

80% FED  
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		RURAL 0005	URBAN 0005	RURAL SN 093 0020 0047
50300255	CONCRETE SUPERSTRUCTURE	CU YD	11.8		11.8	
50300260	BRIDGE DECK GROOVING	SQ YD	414		414	
50300300	PROTECTIVE COAT	SQ YD	450		450	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1400		1400	
50800515	BAR SPLICERS	EACH	24		24	
52000110	PREFORMED JOINT STRIP SEAL	FOOT	84		84	
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	2		
54010802	PRECAST CONCRETE BOX CULVERTS 8' X 2'	FOOT	44.4	44.4		
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2		
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2		
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	38	38		
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	82	82		
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	29.6	29.6		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		RURAL 0005	URBAN 0005	RURAL SN 093 0020 0047
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4	4		
63500105	DELINEATORS	EACH	6	6		
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	7	2	5	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	6	4	
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	10	6	4	
67100100	MOBILIZATION	L SUM	1	0.6	0.4	
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1		1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1		
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		1	

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	4
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				

80% FED  
20% STATE

80% FED  
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		RURAL 0005	URBAN 0005	RURAL SN 093 0020 0047
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1		1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	14	14	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	19249	17427	1822	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	2139	1936	203	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	159315	142202	17113	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	344		344	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	320		320	
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2		2	
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2		2	
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	159315	142202	17113	
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	839	730	109	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	839	730	109	
X0326440	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)	SO YD	1846	1465	381	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		RURAL 0005	URBAN 0005	RURAL SN 093 0020 0047
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SO YD	54.3	54.3		
X1200050	BOX CULVERT REMOVAL	FOOT	52	52		
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	61	61		
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.5	0.5		
X4060995	TEMPORARY RAMP, SPECIAL	SO YD	569	236	333	
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	8750	8750		
X4406660	PARTIAL DEPTH REMOVAL, TYPE IV, 6"	SO YD	3750	3750		
X4421000	PARTIAL DEPTH PATCHING	TON	1260	1260		
X6330900	VERTICAL ADJUSTMENT OF GUARDRAIL	FOOT	476	476		
X6350120	DELINEATOR REMOVAL	EACH	6	6		
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1		
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	53100	47396	5704	

\* SPECIALTY ITEM

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

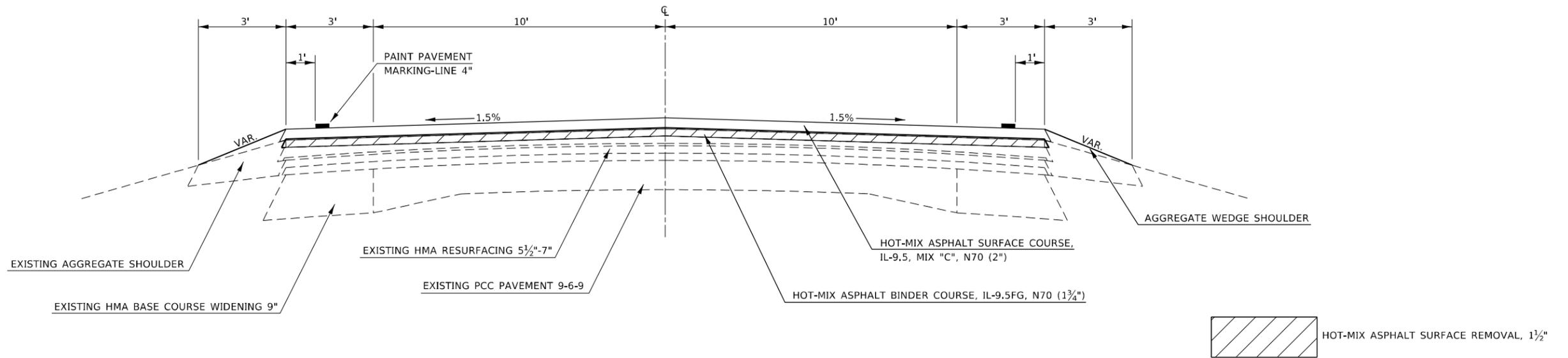
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332	(101,102,103)RS-3	WABASH	73	5
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				



**① TYPICAL SECTIONS**

STA. 150+13.07 TO STA. 198+46.93  
 STA. 198+46.93 BK = STA. 198+52.40 AH  
 STA. 198+52.40 TO STA. 213+05.10  
 STA. 213+05.10 BK = STA. 213+08.70 AH  
 STA. 213+18.70 TO STA. 219+88.00

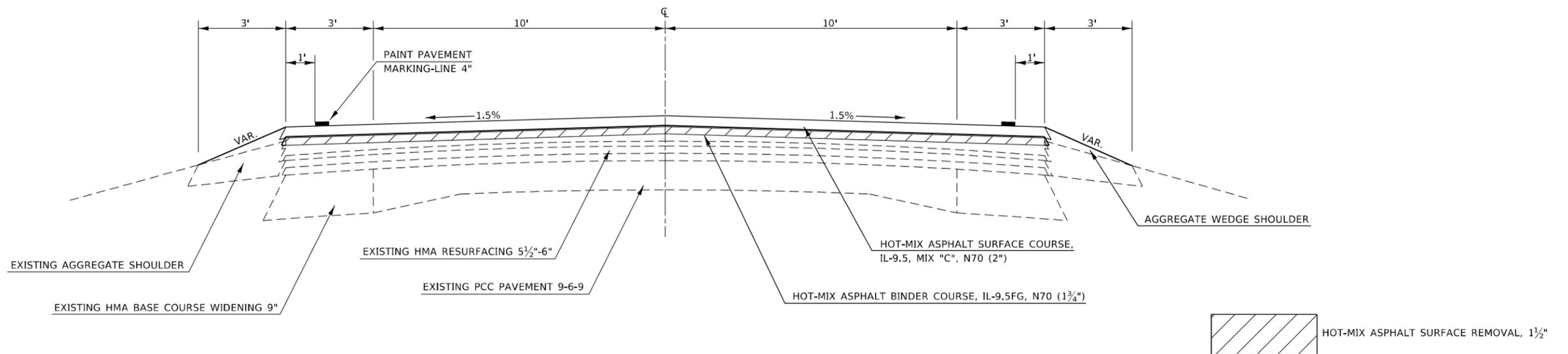


**② TYPICAL SECTIONS**

STA. 219+88.00 TO STA. 230+17.40  
 STA. 230+17.40 BK = STA. 230+23.90 AH  
 STA. 230+23.90 TO STA. 241+71.40  
 STA. 241+71.40 BK = STA. 241+78.00 AH  
 \*STA. 241+78.00 TO STA. 410+60.20\*\*  
 STA. 410+60.20 BK = STA. 410+58.50 AH  
 STA. 410+58.50 TO STA. 423+87.50\*\*  
 STA. 423+87.50 BK = STA. 423+87.60 AH  
 STA. 423+87.60 TO STA. 450+20.00\*\*  
 STA. 475+66.00 TO STA. 519+75.75

STA. 519+75.75 TO STA. 521+36.25  
 STA. 521+32.25 TO STA. 525+22.00  
 STA. 525+22.00 TO STA. 595+20.20  
 STA. 595+20.20 BK = STA. 595+21.40 AH  
 STA. 595+21.40 TO STA. 626+24.40  
 STA. 626+24.40 BK = STA. 626+27.30 AH  
 STA. 626+27.30 TO STA. 632+26.00  
 STA. 641+50.00 TO STA. 655+70.56  
 STA. 655+70.56 BK = STA. 655+71.10 AH  
 STA. 655+71.10 TO STA. 703+24.71

\*SEE TYPICAL SECTION 2A  
 \*\* HMA SURFACE REMOVAL,  
 VARIABLE DEPTH  
 STA. 397+00.00 TO STA. 427+29.10



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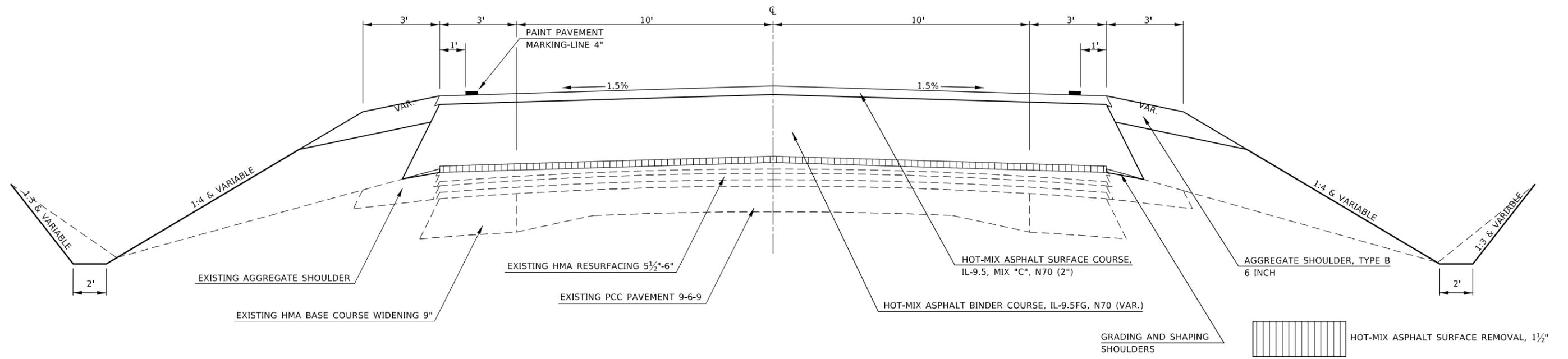
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL  
 CROSS SECTIONS**

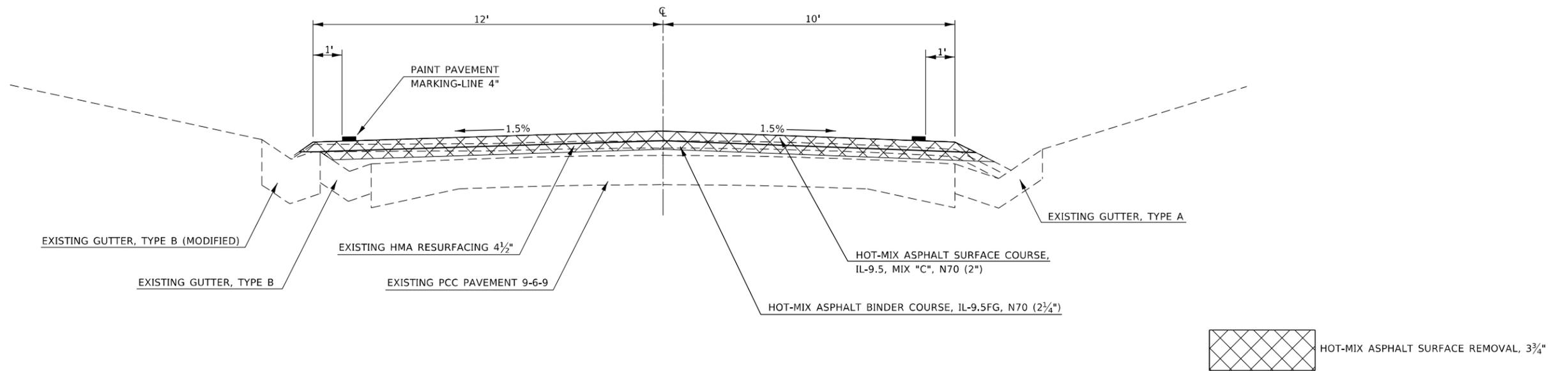
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	7
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	

**2A) TYPICAL SECTIONS**  
 \*STA. 407+25.00 TO STA. 414+25.00



**3) TYPICAL SECTIONS**  
 STA. 450+20.00 TO 475+66.00



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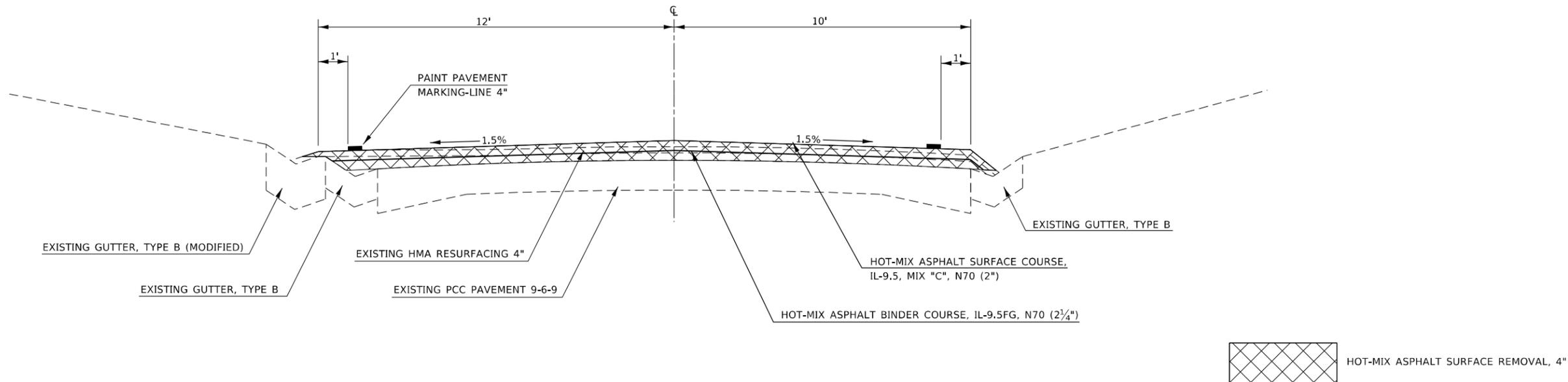
**STATE OF ILLINOIS  
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**TYPICAL  
 CROSS SECTIONS**

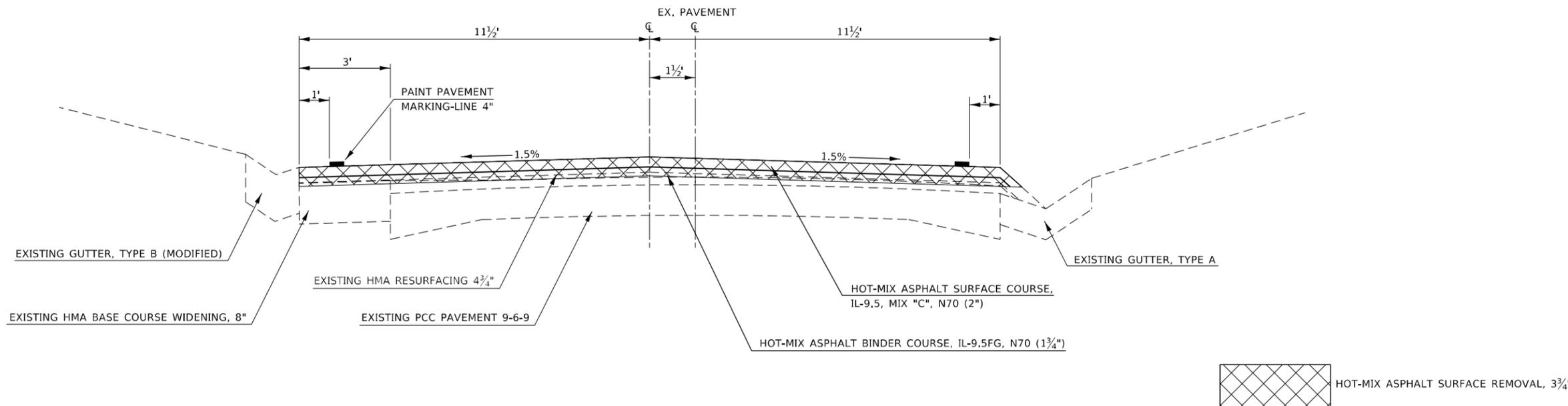
SCALE: NA SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	8
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ILLINOIS FED. AID PROJECT				

**④ TYPICAL SECTIONS**  
STA. 632+26.00 TO 641+50.00



**⑤ TYPICAL SECTIONS**  
STA. 703+24.59 TO 717+50.00



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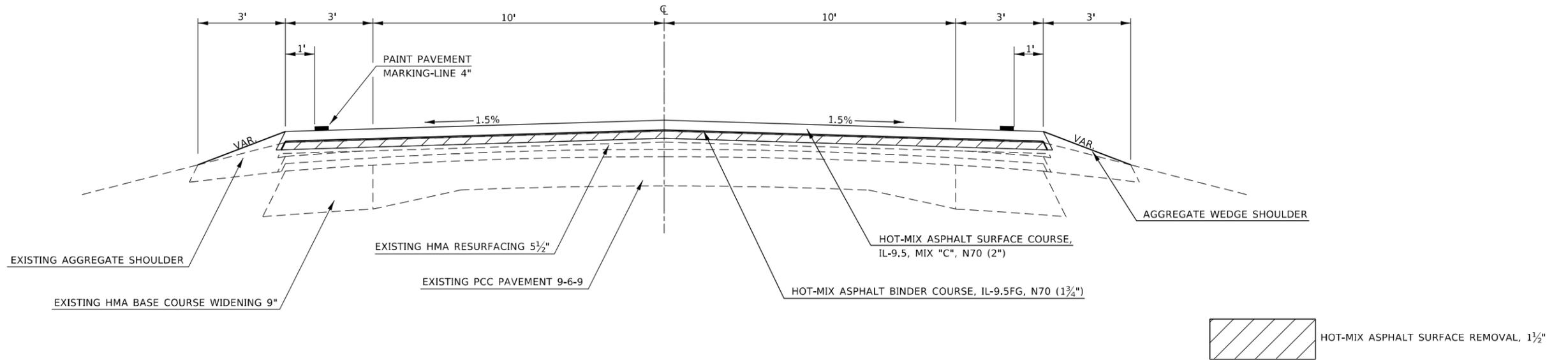
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL  
CROSS SECTIONS**

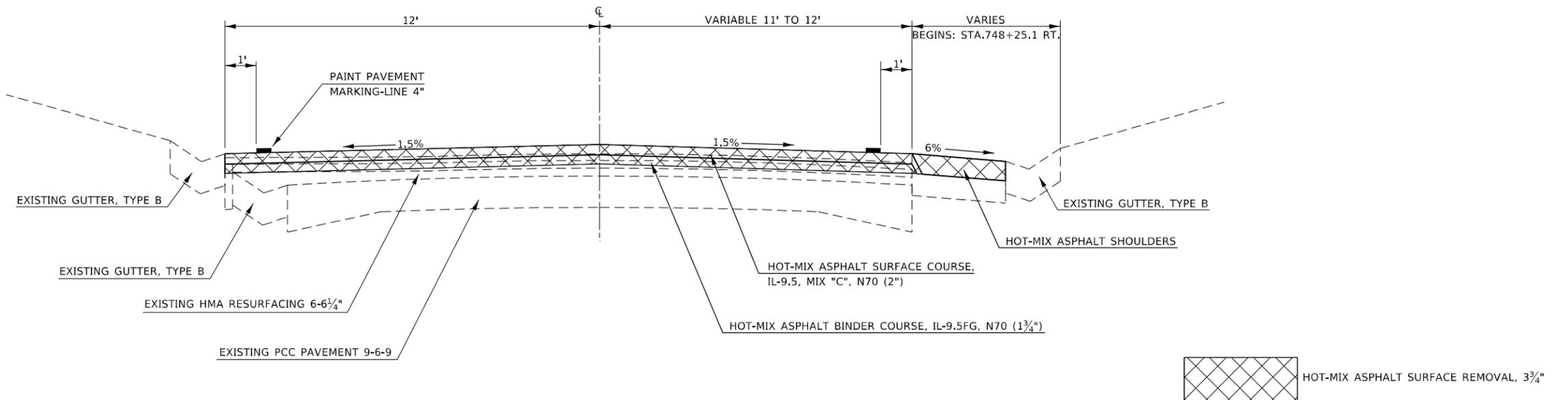
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	9
CONTRACT NO. 74939				
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⑥ TYPICAL SECTIONS  
STA. 717+50.00 TO 742+71.28



⑦ TYPICAL SECTIONS  
STA. 742+71.28 TO 748+50.00



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

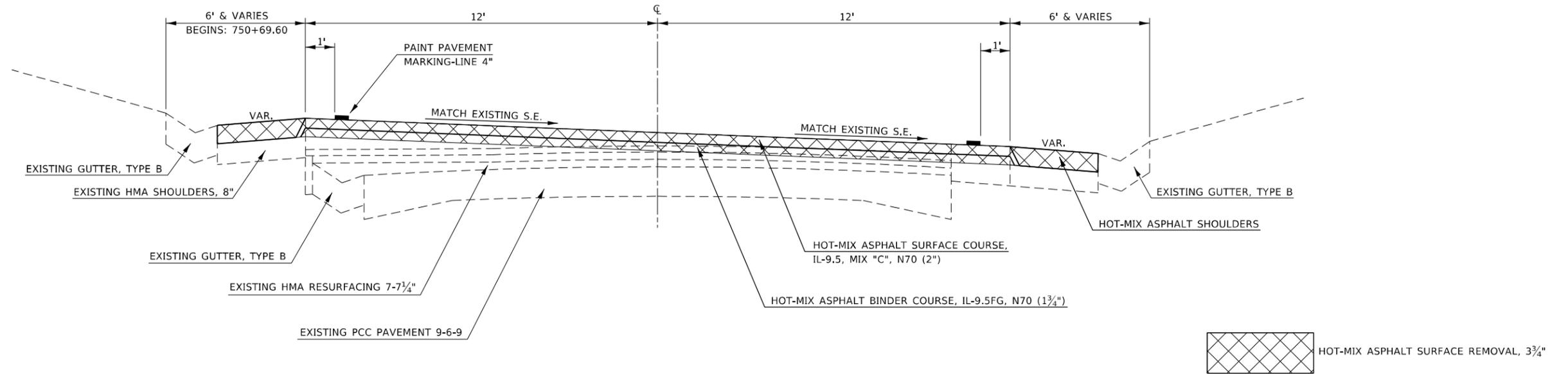
TYPICAL  
CROSS SECTIONS

SCALE: NA SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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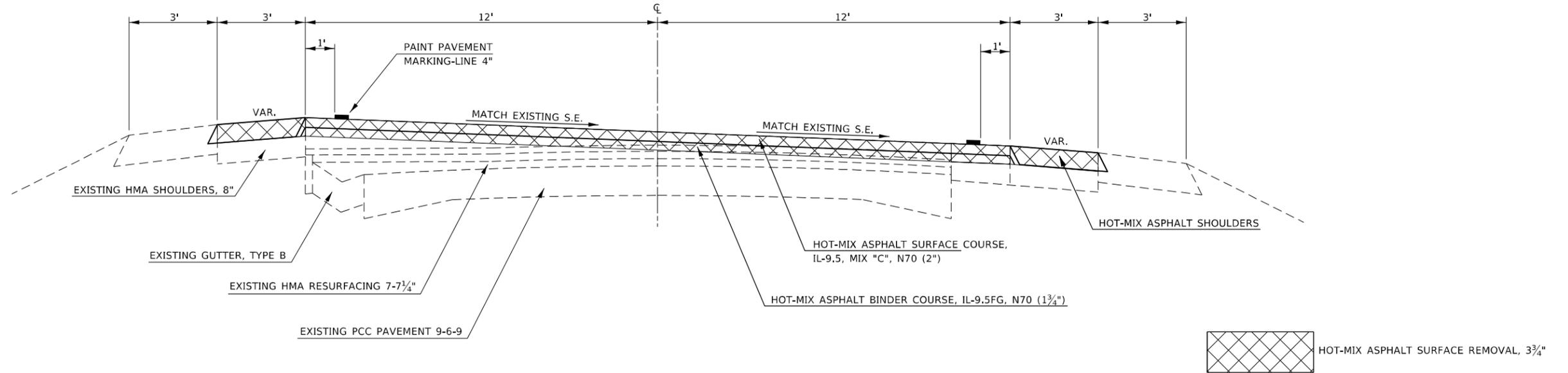
⑧ TYPICAL SECTIONS

STA. 748+50.00 TO 750+45.00  
STA. 767+30.63 TO 770+00.00



⑨ TYPICAL SECTIONS

STA. 750+45.00 TO 751+09.45  
STA. 767+30.63 TO 770+00.00



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PLOT DATE = 1/21/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

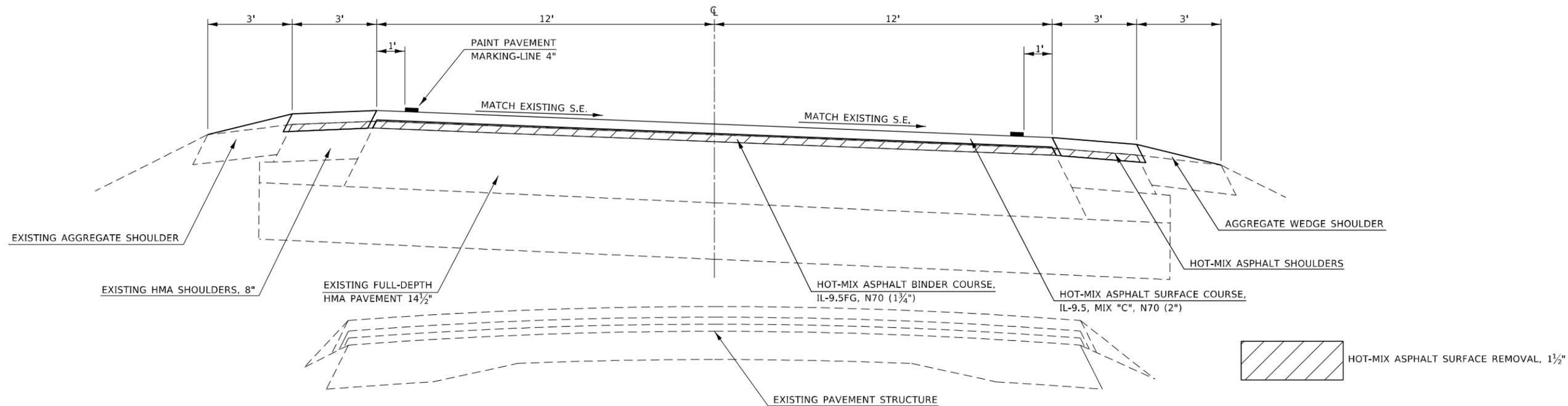
**TYPICAL  
CROSS SECTIONS**

SCALE: SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	11
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				

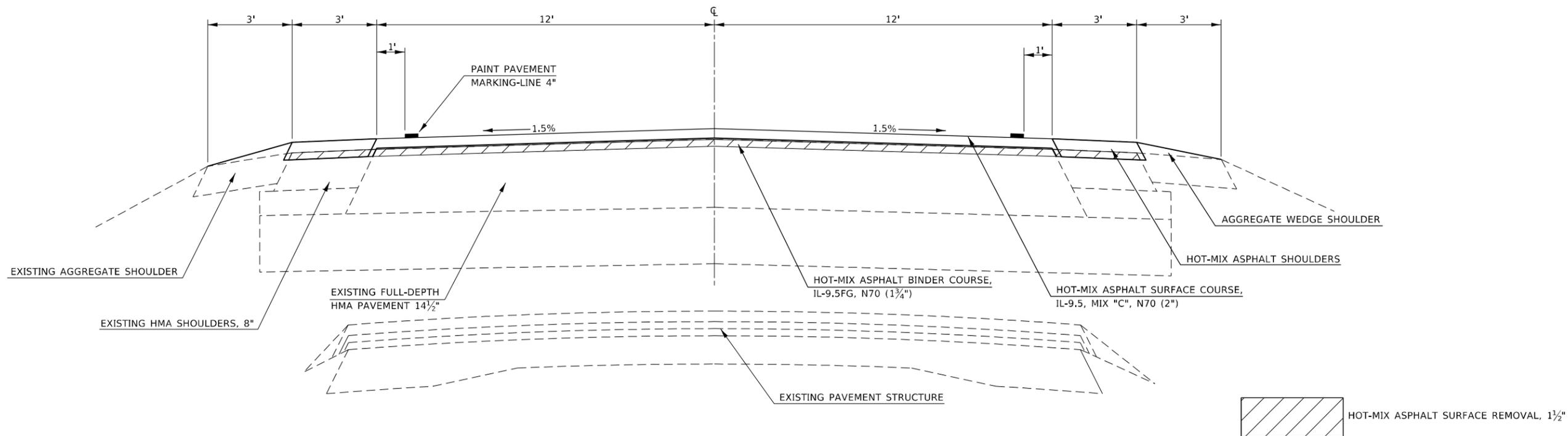
**10 TYPICAL SECTIONS**

STA. 751+09.45 TO 755+97.28  
STA. 762+50.80 TO 767+30.63



**11 TYPICAL SECTIONS**

STA. 759+98.04 TO 762+50.80



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

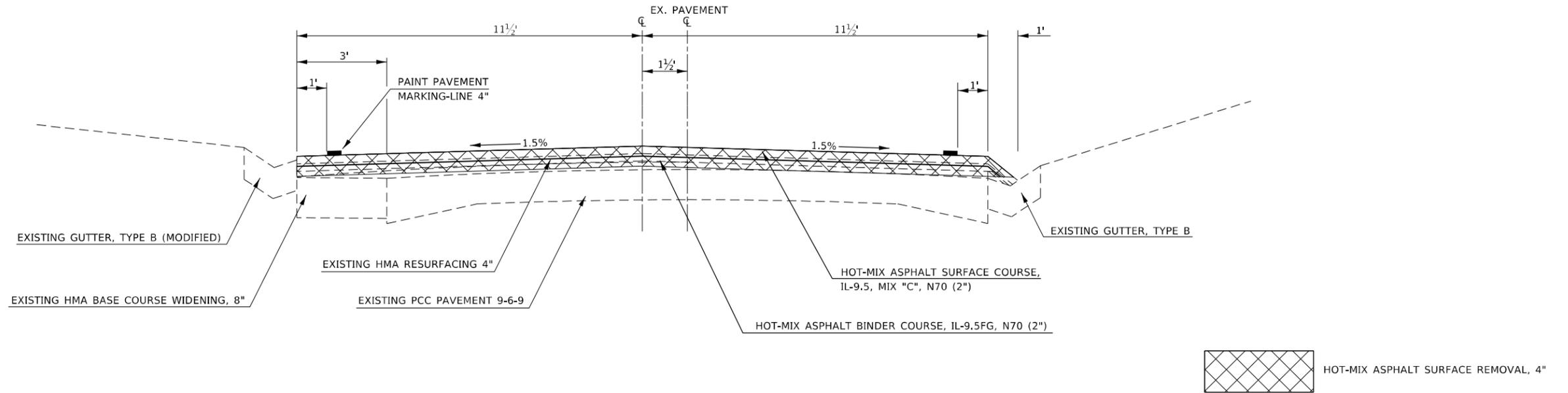
**TYPICAL  
CROSS SECTIONS**

SCALE: NA SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	12
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				

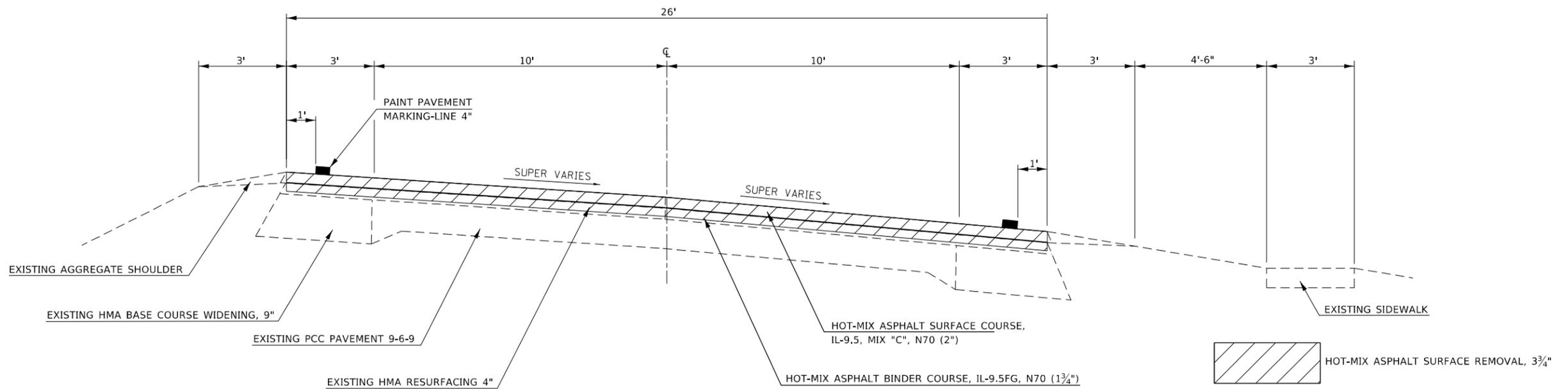
**12 TYPICAL SECTIONS**

STA. 770+00.00 TO 777+32.60  
 STA. 777+32.60 = 834+81.30  
 STA. 834+81.30 TO 844+58.21



**13 TYPICAL SECTIONS**

STA. 844+58.21 TO 847+50.00



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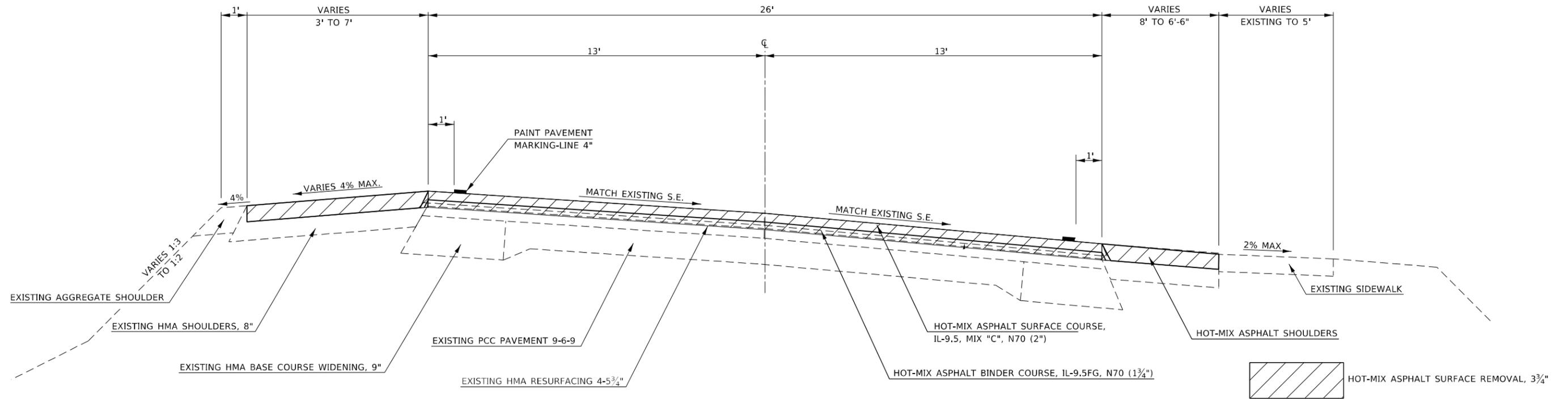
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL  
 CROSS SECTIONS**

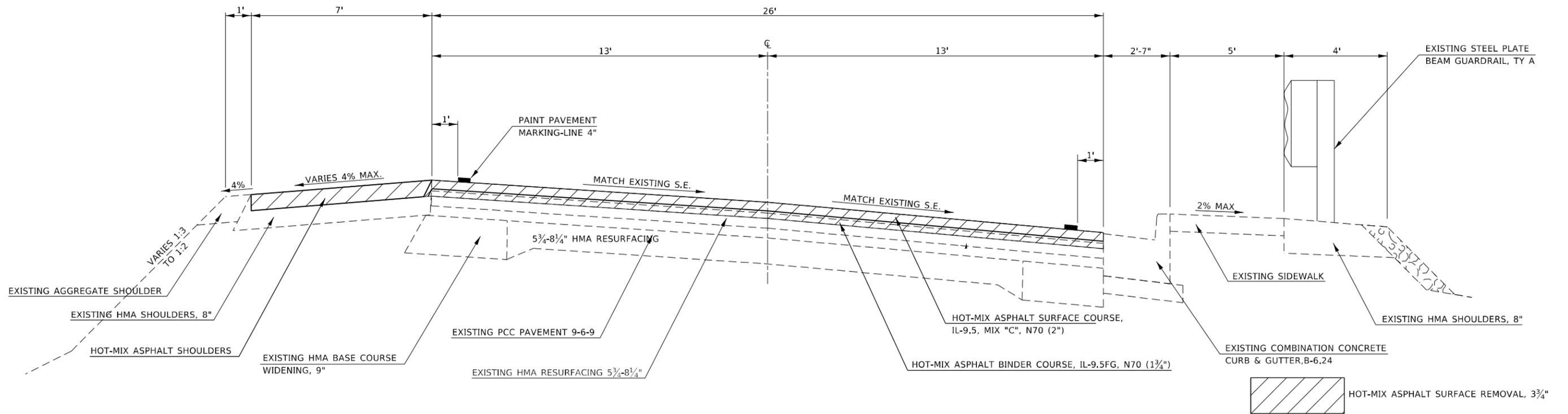
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	13
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	

**14 TYPICAL SECTIONS**  
STA. 847+50.00 TO 848+18.34



**15 TYPICAL SECTIONS**  
STA. 848+18.34 TO 849+00.00



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 DATE: 1/21/2021

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PLOT DATE = 1/21/2021	DATE -	REVISED -

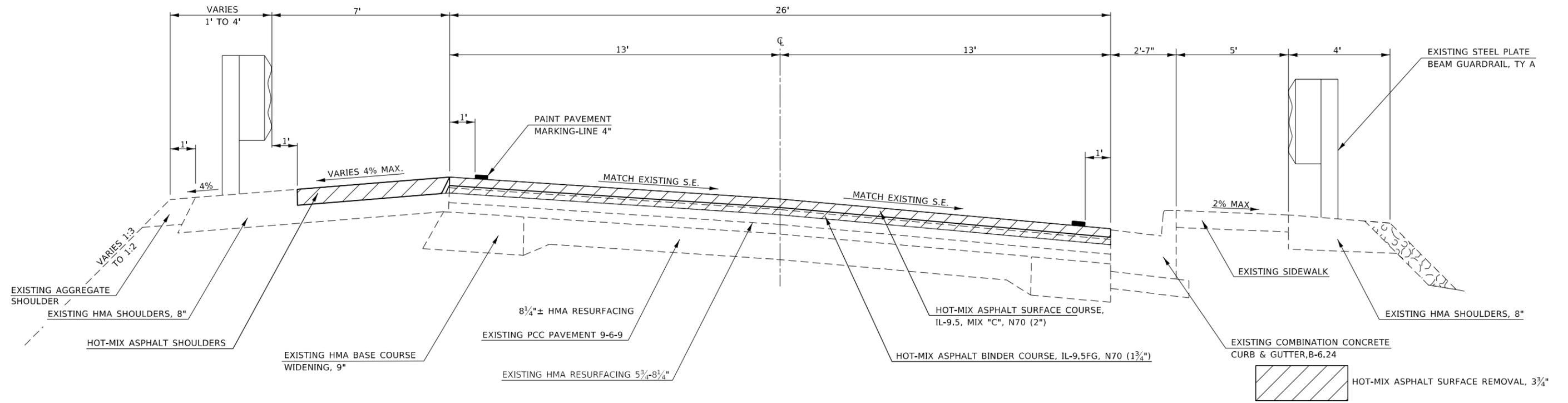
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL  
CROSS SECTIONS**

SCALE: NA SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	14
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				

16 TYPICAL SECTIONS  
 STA. 849+00.00 TO 849+69.88



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	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 1/21/2021	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS	
SCALE: NA	SHEET 9 OF 9 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	15
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				

**RESURFACING SCHEDULE**

STATION TO STATION		LENGTH	PAVEMENT WIDTH	AREA	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	AGGREGATE SHOULDERS, TYPE B, 6"	AGGREGATE WEDGE SHOULDERS, TYPE B	HOT-MIX ASPHALT SHOULDERS	TEMPORARY RAMP	LONGITUDINAL JOINT SEALANT
		FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	POUND	TON	TON	TON	SQ YD	TON	TON	SQ YD	FOOT
150+13.07 TO 150+58.07		45.0	26.0	130.0	130.0	0.0	0.0		87.8	14.6	12.7	0.0	0.0	3.2		21.7	45.0
150+58.07 TO 198+46.90		4,788.8	26.0	13,834.4	13,834.4	0.0	0.0		9,338.2	1,549.5	1,355.8	0.0	0.0	332.4			4,788.8
198+46.90 = 198+52.40		0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0			0.0
198+52.40 TO 213+05.10		1,452.7	26.0	4,196.7	4,196.7	0.0	0.0		2,832.8	470.0	411.3	0.0	0.0	95.7			1,452.7
213+05.10 = 213+18.70		0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0			0.0
213+18.70 TO 230+17.40		1,698.7	26.0	4,907.4	4,907.4	0.0	0.0		3,312.5	549.6	480.9	0.0	0.0	85.9		142.5	1,698.7
230+17.40 = 230+23.90		0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0			0.0
230+23.90 TO 241+71.40		1,147.5	26.0	3,315.0	3,315.0	0.0	0.0		2,237.6	371.3	324.9	0.0	0.0	81.7			1,147.5
241+71.40 = 241+78.00		0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0			0.0
241+78.00 TO 397+00.00		15,522.0	26.0	44,841.3	44,841.3	0.0	0.0	0.0	30,267.9	5,022.2	4,394.5	0.0	0.0	1,060.5		261.4	15,522.0
397+00.00 TO 407+25.00		1,025.0	26.0	2,961.1	0.0	0.0	0.0	2,961.1	1,998.8	331.6	290.2	0.0	0.0	73.0			1,025.0
407+25.00 TO 410+58.20		333.2	26.0	962.6	0.0	0.0	0.0	962.6	1,516.1	107.8	0.0	593.5	222.1	0.0			333.2
410+58.20 = 410+58.50		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
410+58.50 TO 414+25.00		366.5	26.0	1,058.8	0.0	0.0	0.0	1,058.8	1,667.6	118.6	0.0	652.8	244.3	0.0			366.5
414+25.00 TO 423+87.50		962.5	26.0	2,780.6	0.0	0.0	0.0	2,780.6	4,379.4	311.4	272.5	0.0	0.0	68.5			962.5
423+87.50 = 423+87.60		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
423+87.60 TO 427+29.10		341.5	26.0	985.6	0.0	0.0	0.0	985.6	1,553.8	110.5	96.7	0.0	0.0	24.3			341.5
427+29.10 TO 449+75.00		2,245.9	26.0	6,488.2	6,488.2	0.0	0.0	0.0	4,379.5	726.7	635.8	0.0	0.0	159.9			2,245.9
449+75.00 TO 450+20.00		45.0	24.0	120.0	0.0	120.0	0.0		81.0	13.4	11.8	0.0	0.0	3.2			45.0
450+20.00 TO 473+12.00		2,292.0	22.0	5,602.7	0.0	5,602.7	0.0		3,781.8	627.5	549.1	0.0	0.0	0.0			2,292.0
473+12.00 = 473+14.60		0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0			0.0
473+14.60 TO 475+66.00		251.4	22.0	614.5	0.0	614.5	0.0		414.8	68.8	60.2	0.0	0.0	0.0			251.4
475+66.00 TO 476+11.00		45.0	24.0	120.0	0.0	120.0	0.0		81.0	13.4	11.8	0.0	0.0	3.2			45.0
476+11.00 TO 517+95.75		4,184.8	26.0	12,089.3	12,089.3	0.0	0.0		8,160.3	1,354.0	1,184.7	0.0	0.0	290.6			4,184.8
517+95.75 TO 518+10.75		15.0	26.0	43.3	43.3	0.0	0.0		29.3	4.2	3.8	0.0	0.0	1.1			15.0
518+10.75 TO 518+15.75		5.0	27.0	15.0	15.0	0.0	0.0		10.1	1.3	1.3	0.0	0.0	0.4	1.3		5.0
518+15.75 TO 518+35.75		20.0	36.5	81.1	81.1	0.0	0.0		54.8	6.8	6.8	0.0	0.0	1.4	5.2		20.0
518+35.75 TO 519+69.75		134.0	40.0	595.6	595.6	0.0	0.0		402.0	50.0	50.0	0.0	0.0	9.5	35.0		134.0
519+69.75 TO 520+05.25		35.5	40.0	157.8	0.0	0.0	0.0		71.0	13.3	0.0	0.0	0.0	2.5	0.0	26.7	35.5
520+05.25 TO 521+06.75		101.5	40.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
521+06.75 TO 521+42.25		35.5	40.0	157.8	0.0	0.0	0.0		71.0	13.3	0.0	0.0	0.0	2.5	0.0	26.7	35.5
521+42.25 TO 522+41.52		99.3	40.0	441.2	441.2	0.0	0.0		297.8	37.1	37.1	0.0	0.0	7.1	25.9		99.3
522+41.52 TO 522+54.25		12.7	36.5	51.6	51.6	0.0	0.0		34.8	4.3	4.3	0.0	0.0	0.9	3.3		12.7
<b>RURAL SHEET TOTAL</b>					<b>91,030.0</b>	<b>6,457.2</b>	<b>0.0</b>	<b>8,749.6</b>	<b>77,061.5</b>	<b>11,891.3</b>	<b>10,196.1</b>	<b>1,246.3</b>	<b>466.5</b>	<b>2,307.5</b>	<b>70.8</b>	<b>479.0</b>	<b>37,104.5</b>

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PLOT DATE = 1/21/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF  
QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102, 103)RS-3	WABASH	73	16
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				

RESURFACING SCHEDULE CONT'D

STATION TO STATION		LENGTH	PAVEMENT WIDTH	AREA	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	HOT-MIX ASPHALT SURFACE REMOVAL, (VARIABLE DEPTH)	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	AGGREGATE SHOULDERS, TYPE B, 6"	AGGREGATE WEDGE SHOULDERS, TYPE B	HOT-MIX ASPHALT SHOULDERS	TEMPORARY RAMP	LONGITUDINAL JOINT SEALANT
		FOOT	FOOT	SO YD	SQ YD	SO YD	SO YD	SO YD	POUND	TON	TON	TON	SO YD	TON	TON	SO YD	FOOT
522+54.25	TO 522+65.52	11.3	33.0	41.3	41.3	0.0	0.0		27.9	3.5	3.5	0.0	0.0	0.8	1.5		11.3
522+65.52	TO 522+78.25	12.7	29.5	41.7	41.7	0.0	0.0		28.2	3.5	3.5	0.0	0.0	0.9	1.7		12.7
522+78.25	TO 522+93.25	15.0	26.0	43.3	43.3	0.0	0.0		29.3	4.2	3.8	0.0	0.0	1.1			15.0
522+93.25	TO 595+20.20	7,227.0	26.0	20,877.9	20,877.9	0.0	0.0		14,092.6	2,338.3	2,046.0	0.0	0.0	503.5		72.5	7,227.0
595+20.20	= 595+21.40	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0			0.0
595+21.40	TO 626+24.40	3,103.0	26.0	8,964.2	8,964.2	0.0	0.0		6,050.9	1,004.0	878.5	0.0	0.0	213.1		50.8	3,103.0
626+24.40	= 626+27.30	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0			0.0
626+27.30	TO 631+76.00	548.7	26.0	1,585.1	1,585.1	0.0	0.0		1,070.0	177.5	155.3	0.0	0.0	37.5			548.7
631+76.00	TO 632+26.00	50.0	24.0	133.3	0.0	0.0	133.3		90.0	14.9	13.1	0.0	0.0	3.6			50.0
632+26.00	TO 640+98.70	872.7	22.0	2,133.3	0.0	0.0	2,133.3		1,440.0	238.9	209.1	0.0	0.0	0.0			872.7
640+98.70	= 641+05.10	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0			0.0
641+05.10	TO 641+50.00	44.9	22.0	109.8	0.0	0.0	109.8		74.1	12.3	10.8	0.0	0.0	0.0			44.9
641+50.00	TO 642+00.00	50.0	24.0	133.3	0.0	0.0	133.3		90.0	14.9	13.1	0.0	0.0	3.6			50.0
642+00.00	TO 655+70.60	1,370.6	26.0	3,959.5	3,959.5	0.0	0.0		2,672.7	443.5	388.0	0.0	0.0	92.2		57.5	1,370.6
655+70.60	= 655+71.10	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0			0.0
655+71.10	TO 702+79.59	4,708.5	26.0	13,602.3	13,602.3	0.0	0.0		9,181.6	1,523.5	1,333.0	0.0	0.0	318.6		110.8	4,708.5
702+79.59	TO 703+24.59	45.0	24.5	122.5	0.0	120.0	0.0		82.7	13.7	12.0	0.0	0.0	3.2			45.0
703+24.59	TO 704+50.00	125.4	23.0	320.5	0.0	306.6	0.0		216.3	35.9	31.4	0.0	0.0	0.0			125.4
704+50.00	TO 717+17.00	1,267.0	23.0	3,237.9	0.0	3,097.1	0.0		2,185.6	362.6	317.3	0.0	0.0	0.0			1,267.0
717+17.00	TO 717+50.00	33.0	23.0	84.3	0.0	80.7	0.0		56.9	9.4	8.3	0.0	0.0	0.0			33.0
717+50.00	TO 717+95.00	45.0	24.5	122.5	0.0	120.0	0.0		82.7	13.7	12.0	0.0	0.0	3.2			45.0
717+95.00	TO 731+50.00	1,355.0	26.0	3,914.4	3,914.4	0.0	0.0		2,642.3	438.4	383.6	0.0	0.0	125.2			1,355.0
<b>RURAL SHEET TOTAL</b>					53029.9	3724.3	2509.7	0.0	40113.4	6652.9	5822.3	0.0	0.0	1306.4	3.1	291.6	20884.8
731+50.00	TO 742+26.28	1076.3	26.0	3109.3	3109.3	0.0	0.0		2098.7	348.2	304.7	0.0	0.0	38.3			1076.3
742+26.28	TO 742+71.28	45.0	24.5	122.5	0.0	122.5	0.0		82.7	13.7	12.0	0.0	0.0	3.2			45.0
742+71.28	TO 743+38.00	66.7	23.0	170.5	0.0	170.5	0.0		115.1	19.1	16.7	0.0	0.0	0.0			66.7
743+38.00	TO 743+50.00	12.0	23.5	31.3	0.0	31.3	0.0		21.2	3.5	3.1	0.0	0.0	0.0			12.0
743+50.00	TO 748+00.00	450.0	23.0	1,150.0	0.0	1,100.0	0.0		776.3	128.8	112.7	0.0	0.0	0.0			450.0
748+00.00	TO 748+25.12	25.1	23.0	64.2	0.0	64.2	0.0		43.3	7.2	6.3	0.0	0.0	0.0			25.1
748+25.12	TO 749+00.00	74.9	28.3	235.0	0.0	235.0	0.0		158.7	26.3	23.0	0.0	0.0	0.0	4.6		74.9
749+00.00	TO 750+44.72	144.7	28.3	454.3	0.0	454.3	0.0		306.6	50.9	44.5	0.0	0.0	0.0	14.4		144.7
<b>URBAN SHEET TOTALS</b>					3,109.3	2,177.8	0.0	0.0	3,602.5	597.8	523.0	0.0	0.0	41.5	18.9	0.0	1,894.7

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PLOT DATE = 1/21/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF  
QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101, 102, 103)RS-3	WABASH	73	17
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	

**RESURFACING SCHEDULE CONT'D**

STATION TO STATION			LENGTH	PAVEMENT WIDTH	AREA	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	HOT-MIX ASPHALT SURFACE REMOVAL, (VARIABLE DEPTH)	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	AGGREGATE SHOULDERS, TYPE B, 6"	AGGREGATE WEDGE SHOULDERS, TYPE B	HOT-MIX ASPHALT SHOULDERS	TEMPORARY RAMP	LONGITUDINAL JOINT SEALANT
			FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	POUND	TON	TON	TON	SQ YD	TON	TON	SQ YD	FOOT
750+44.72	TO	750+69.59	24.9	27.0	74.6	0.0	74.6	0.0		50.4	8.4	7.3	0.0	0.0	0.0	1.7		24.9
750+69.59	TO	751+14.59	45.0	30.0	150.0	0.0	150.0	0.0		101.3	16.8	14.7	0.0	0.0	3.2	6.3		45.0
751+14.59	TO	755+52.28	437.7	30.0	1,459.0	1,459.0	0.0	0.0		984.8	163.4	143.0	0.0	0.0	31.2	61.3		437.7
755+52.28	TO	755+97.28	45.0	30.0	150.0	0.0	0.0	0.0		101.3	16.8	14.7	0.0	0.0	3.2	6.3	33.0	45.0
755+97.28	TO	756+27.28	30.0	36.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
756+27.28	TO	759+68.04	340.8	36.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
759+68.04	TO	759+98.04	30.0	36.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
759+98.04	TO	760+43.04	45.0	30.0	150.0	150.0	0.0	0.0		101.3	16.8	14.7	0.0	0.0	3.2	6.3	33.0	45.0
760+43.04	TO	766+85.63	642.6	30.0	2,142.0	2,142.0	0.0	0.0		1,445.8	239.9	209.9	0.0	0.0	44.2	90.0		642.6
766+85.63	TO	767+30.63	45.0	30.0	150.0	0.0	166.7	0.0		101.3	16.8	14.7	0.0	0.0	0.7	6.3		45.0
767+30.63	TO	767+90.00	59.4	31.3	206.1	0.0	206.1	0.0		139.1	23.1	20.2	0.0	0.0	1.9	9.7		59.4
767+90.00	TO	769+00.00	110.0	32.5	397.2	0.0	397.2	0.0		268.1	44.5	38.9	0.0	0.0	7.8	20.5		110.0
769+00.00	TO	769+79.15	79.1	28.8	252.8	0.0	252.8	0.0		170.7	28.3	24.8	0.0	0.0	5.6	9.2		79.1
769+79.15	TO	769+84.67	5.5	24.3	14.9	0.0	14.9	0.0		10.1	1.7	1.5	0.0	0.0	0.4	0.1		5.5
769+84.67	TO	769+95.00	10.3	22.5	25.8	0.0	25.8	0.0		17.4	2.9	2.5	0.0	0.0	0.0	0.0		10.3
769+95.00	TO	770+00.00	5.0	22.0	12.2	0.0	0.0	12.2		8.3	1.4	1.2	0.0	0.0	0.0	0.0		5.0
770+00.00	TO	777+32.60	732.6	22.0	1,790.8	0.0	0.0	1,790.8		1,208.8	200.6	175.5	0.0	0.0	0.0	0.0		732.6
777+32.60	=	834+81.30	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
834+81.30	TO	844+26.00	944.7	22.0	2,309.3	0.0	0.0	2,309.3		1,558.8	258.6	226.3	0.0	0.0	0.0	0.0		944.7
844+26.00	TO	844+58.21	32.2	22.0	78.7	0.0	0.0	78.7		53.1	8.8	7.7	0.0	0.0	0.0	0.0		32.2
844+58.21	TO	844+63.21	5.0	22.5	12.5	0.0	0.0	12.5		8.4	1.4	1.2	0.0	0.0	0.4	0.0		5.0
844+63.21	TO	844+94.21	31.0	24.4	84.0	0.0	84.0	0.0		56.7	9.4	8.2	0.0	0.0	2.2	0.0		31.0
844+94.21	TO	847+50.00	255.8	26.0	738.9	0.0	738.9	0.0		498.8	82.8	72.4	0.0	0.0	15.8	0.0		255.8
847+50.00	TO	848+18.34	68.3	26.0	197.4	0.0	197.4	0.0		133.3	22.1	19.3	0.0	0.0	4.9	23.9		68.3
848+18.34	TO	849+69.88	151.5	26.0	437.8	0.0	437.8	0.0		295.5	49.0	42.9	0.0	0.0	145.6	24.8	45.8	151.5
<b>URBAN SHEET TOTAL</b>						3,900.9	2,746.4	4,203.5	0.0	7,313.1	1,213.4	1,061.8	0.0	0.0	270.3	266.4	111.8	3,775.7
<b>RURAL TOTAL</b>						144059.9	10181.5	2509.7	8749.6	117174.9	18544.2	16018.4	1246.3	466.5	3613.9	74.0	770.6	57989.2
<b>URBAN TOTAL</b>						7010.2	4924.3	4203.5	0.0	10915.6	1811.2	1584.8	0.0	0.0	311.8	285.4	111.8	5670.4
<b>PROJECT TOTALS</b>						151,070	15,106	6,713	8,750	128,090	20,355	17,603	1,246	466	3,926	359	882	63,660

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PLOT DATE = 1/21/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF  
QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101, 102, 103)RS-3	WABASH	73	18
CONTRACT NO. 74939				
ILLINOIS		FED. AID PROJECT		





CULVERT REMOVAL

CULVERT REMOVAL SCHEDULE	CULVERT SIZE	MATERIAL TYPE	PIPE CULVERT REMOVAL	BOX CULVERT REMOVAL	DELINEATOR REMOVAL
	18	CMP	38		2
	18	CMP	82		2
	36 X 36	CONC		52	2
TOTAL =			120	52	6

ENTRANCE SCHEDULE

A= INCIDENTAL HOT-MIX ASPHALT SURFACING  
 B= AGGREGATE SURFACE COURSE, TYPE B  
 C= BITUMINOUS MATERIALS (TACK COAT)  
 D= SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)

SIDE	STATION	TYPE	A (TON)	B (TON)	C (POUND)	D (SQ YDS)
RT	153+95.88	PRA		11		
LT	154+20.80	FE		3.5		
LT	164+19.50	FE		4		
LT	169+11.63	FE		4		
LT	196+54.41	FE		4		
RT	206+35.38	FE		3.4		
LT	209+89.71	FE		4		
RT	211+34.07	PE		2		
LT	211+47.19	PE		2.4		
LT	211+66.60	MBT		6.3		
LT	212+26.00	PE		2.8		
RT	212+86.50	PRA		4.6		
RT	214+16.22	PE		1.7		
LT	214+39.19	PE		2.8		
RT	214+81.84	PE		1.7		
LT	214+94.96	PE		2.8		
RT	215+34.33	PE		1.7		
LT	216+06.51	FE		2.2		
LT	216+68.85	FE		2.7		
LT	217+70.55	PRA	7		3.4	67.2 (S)
RT	217+73.83	PRA	7		3.4	67.2 (S)
RT	219+01.78	PE		2		
LT	219+18.19	PE		2		
RT	219+64.12	PE				
LT	219+83.81	PE		1.7		
RT	220+03.49	CE		2.5		
LT	220+39.58	MBT		9.4		
RT	220+55.98	CE		2.3		
LT	221+31.44	PE		4		
RT	221+31.44	PE		1.7		
LT	221+60.97	FE				
LT	222+16.75	MBT				
RT	222+49.55	PRA	3.3		1.6	31.7 (S)
LT	222+52.83	PE		2.2		
LT	222+65.00	MBT		5		
RT	222+95.49	CE		4.8		
LT	223+44.70	PE		3.1		
LT	223+61.10	MBT		3.4		
RT	224+46.40	CE		4.2		
LT	225+10.00	CE		7.7		
LT	226+33.80	CE		4.9		
RT	227+38.40	PE		3.8		
SHEET 1 TOTALS =			17.3	132.3	8.3	166.1

DRAINAGE SCHEDULE

CULVERT SCHEDULE	STATION	PRECAST CONCRETE BOX CULVERTS 5' X 3'	PIPE CULVERTS, CLASS A, TYPE 1 18"	PIPE CULVERTS, CLASS A, TYPE 1 24"	BOX CULVERT END SECTIONS	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 24"	TRENCH BACKFILL	STONE RIPRAP, CLASS A3	FILTER FABRIC	DELINEATORS	GRANULAR EMBANKMENT, SPECIAL	ROCKFILL REPLACEMENT	GEOCOMPOSITE WALL DRAIN	CONCRETE HEADWALLS FOR PIP DRAINS	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	PIPE UNDERDRAIN FOR STRUCTURES 4"
	FOOT	FOOT	FOOT	EACH	EACH	EACH	CU YDS	TON	SQ YD	EACH	TON	TON	SQ YD	SQ YD	SQ YD	SQ YD	FOOT
	465+00.00	36				2	5.5	1.8	4	2							
	457+75.39			78			2	17.3	21.0	46.7	2						
	409+50.00	44			2			16.0	35.6	2	295.6	57.9	29.6	4	54.3		110
PROJECT TOTALS		44	36	78	2	2	23	39	86	6	296	58	30	4	54		110

EARTHWORK SCHEDULE

LOCATION	(1) EARTH EXCAVATION	EARTH EXCAVATION (ADJUSTED FOR SHRINKAGE FACTOR (0.25%))	EMBANKMENT	EARTHWORK BALANCE WASTE (+), SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
IL 1				
STA. 406+50 TO STA. 414+50	154	116	510	-510
TOTALS	NA	NA	510	-510

NOTES: (1) THE CONDITION OF THE SOIL IN THIS LOCATION MAY PROHIBIT THE UTILIZATION OF IT INTO THE EMBANKMENT QUANTITY. THE EARTH EXCAVATION IN THIS AREA SHALL BE CONSIDERED UNSUITABLE FOR THAT REASON.

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PLOT DATE = 1/21/2021	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF  
QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101, 102, 103)RS-3	WABASH	73	21
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				

ENTRANCE SCHEDULE CONT'D

A= INCIDENTAL HOT-MIX ASPHALT SURFACING  
 B= AGGREGATE SURFACE COURSE, TYPE B  
 C= BITUMINOUS MATERIALS (TACK COAT)  
 D= SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)

SIDE	STATION	TYPE	A (TON)	B (TON)	C (POUND)	D (SQ YDS)
LT	228+33.65	PE		4.3		
RT	229+87.74	FE		3		
LT	246+42.90	FE		4		
LT	248+22.80	FE		4		
LT	250+00.00	PE		4.7		
LT	252+17.00	FE	4.6		2.2	44.4
LT	254+65.00	PE		2.9		
LT	254+95.00	MBT		5.4		
LT	257+08.70	MBT		4.7		
LT	257+24.70	PE		2.4		
RT	259+21.50	PRA	6.3		3.0	60.6
LT	259+31.20	PRA	6.1		2.9	58.9
LT	289+78.56	FE		3.6		
RT	292+37.90	PRA	10.7		5.1	102.8
LT	292+44.30	PRA	12.1		5.8	116.1
RT	300+92.70	FE		6		
LT	300+99.70	FE		3.8		
LT	328+23.70	FE		3.8		
RT	335+97.98	FE		3.3		
LT	336+63.60	FE		4		
LT	358+22.80	FE		4		
LT	359+85.00	PRA	8.3		4.0	79.4
RT	359+92.10	PRA		9.8		
LT	377+02.20	FE		4		
RT	382+70.40	PRA		4.9		
LT	385+56.70	FE		4		
LT	418+39.45	FE		4		
LT	454+57.00	PE		1.7		
LT	457+54.00	PRA	6.8		3.3	65.0
RT	457+54.00	PRA	6.4		3.1	61.7
LT	466+78.20	PE		2.4		
LT	469+03.90	PE		2.4		
RT	473+46.50	PRA	7.7		3.7	73.9
LT	473+51.00	PRA		4.2		
LT	487+58.50	CE		10.2		
LT	494+31.31	FE		4		
LT	507+04.00	FE		3.4		
RT	509+94.30	FE		2.4		
LT	509+98.30	FE		4		
LT	523+95.70	PRA	10		4.8	96.1
RT	523+97.50	PRA		8.6		
RT	543+77.80	FE		4.6		

SHEET 2 TOTALS =	79.0	138.5	37.9	758.9
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ENTRANCE SCHEDULE CONT'D

A= INCIDENTAL HOT-MIX ASPHALT SURFACING  
 B= AGGREGATE SURFACE COURSE, TYPE B  
 C= BITUMINOUS MATERIALS (TACK COAT)  
 D= SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)

SIDE	STATION	TYPE	A (TON)	B (TON)	C (POUND)	D (SQ YDS)
LT	543+77.80	FE		4		
LT	587+00.00	FE		3.6		
RT	598+54.50	PE		3.7		
RT	607+23.80	PRA		7.1		
LT	608+10.80	PRA	11		5.3	105.6
RT	630+42.00	CE		4.6		
RT	633+34.00	CE		6.4		
RT	635+14.00	CE		17.3		
LT	635+80.90	PRA		9.3		
RT	636+89.40	PRA	10.8		5.2	103.3
LT	648+65.10	PRA	8.3		4.0	80.0
RT	650+93.90	FE		4		
LT	650+93.90	FE		4		
LT	659+41.40	PRA	6.5		3.1	62.2
LT	669+09.50	FE		2.7		
RT	677+03.60	PRA	6.7		3.2	63.9
LT	677+88.50	FE		6.1		
RT	680+11.40	FE		4		
LT	680+11.40	FE		4		
LT	692+37.50	FE		3.1		
LT	697+88.30	PE	3.6		1.7	34.4
LT	698+10.30	MBT		5.4		
LT	698+60.50	PE	2.7		1.3	26.1
LT	700+37.10	MBT				
LT	700+54.10	PE	3.8		1.8	36.1
LT	703+24.70	MBT				
LT	703+44.60	PRA	3		1.4	28.3
LT	703+63.20	MBT				
LT	704+16.20	CE				
LT	707+02.40	CE				
LT	708+84.40	PE				
LT	711+37.00	PE				
LT	711+58.00	MBT				
LT	712+01.90	PE				
LT	712+46.30	PE				
LT	713+00.00	MBT				
RT	713+05.00	CE				
LT	713+07.10	PE				
RT	715+00.00	CE				
RT	726+72.00	CE				
LT	726+72.00	FE		4		
RT	729+77.70	CE		3.4		
RURAL TOTAL =			152.7	367.5	73.25	1465
SHEET 3 TOTAL =			56.4	96.7	27.0	540.0

ENTRANCE SCHEDULE CONT'D

A= INCIDENTAL HOT-MIX ASPHALT SURFACING  
 B= AGGREGATE SURFACE COURSE, TYPE B  
 C= BITUMINOUS MATERIALS (TACK COAT)  
 D= SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)

SIDE	STATION	TYPE	A (TON)	B (TON)	C (POUND)	D (SQ YDS)
LT	734+97.00	FE				
RT	735+21.90	CE		7.2		
LT	736+77.50	CE	7.2		3.4	68.9
RT	737+27.40	CE		5.5		
LT	750+00.00	PRA				
RT	764+90.00	PE		4.4		
RT	767+13.30	MBT1	3	2.4	1.4	28.3
RT	767+18.80	PE	3.1		1.5	29.4
LT	767+54.20	CE	6.7		3.2	63.9
RT	768+29.30	PE				
LT	768+65.30	CE				
RT	770+76.00	PRA		3.8		
RT	772+09.00	PRA	6.3		3.0	60.6
LT	772+34.00	CE		11.4		
LT	774+91.80	PRA		8.9		
LT	776+00.00	MBT		5.4		
RT	776+31.20	CE		27.1		
LT	776+31.20	PE		4.3		
RT	835+74.70	CE		4.7		
RT	836+86.70	CE		3.7		
LT	837+04.90	PE		6.5		
RT	838+04.10	CE		3.2		
LT	839+33.80	FE				
RT	839+82.60	PRA	7.3		3.5	70.6
LT	840+47.90	CE		9.9		
LT	843+01.30	CE				
RT	843+72.40	CE				
LT	846+02.20	CE	4.3		2.0	
RT	846+33.70	PRA	6.2		3.0	59.4
LT	848+39.00	FE				

URBAN TOTAL =	44.1	108.4	21.1	381.1
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SHEET 4 TOTAL =	44.1	108.4	21.1	381.1
PROJECT TOTAL =	197	476	94	1,846

HMA SURF REM, 1 1/2" 585  
 HMA SURF REM (SPL) 1,261

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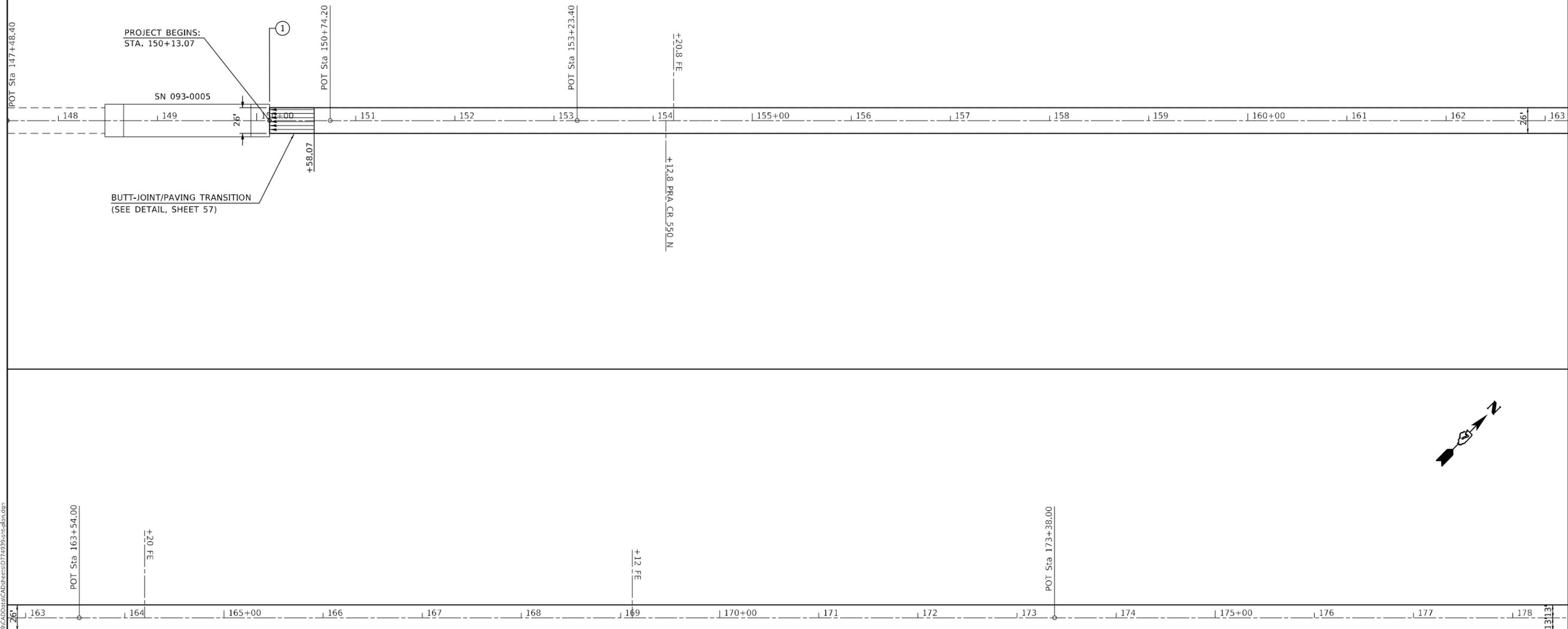
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF  
 QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101, 102, 103)RS-3	WABASH	73	22
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				



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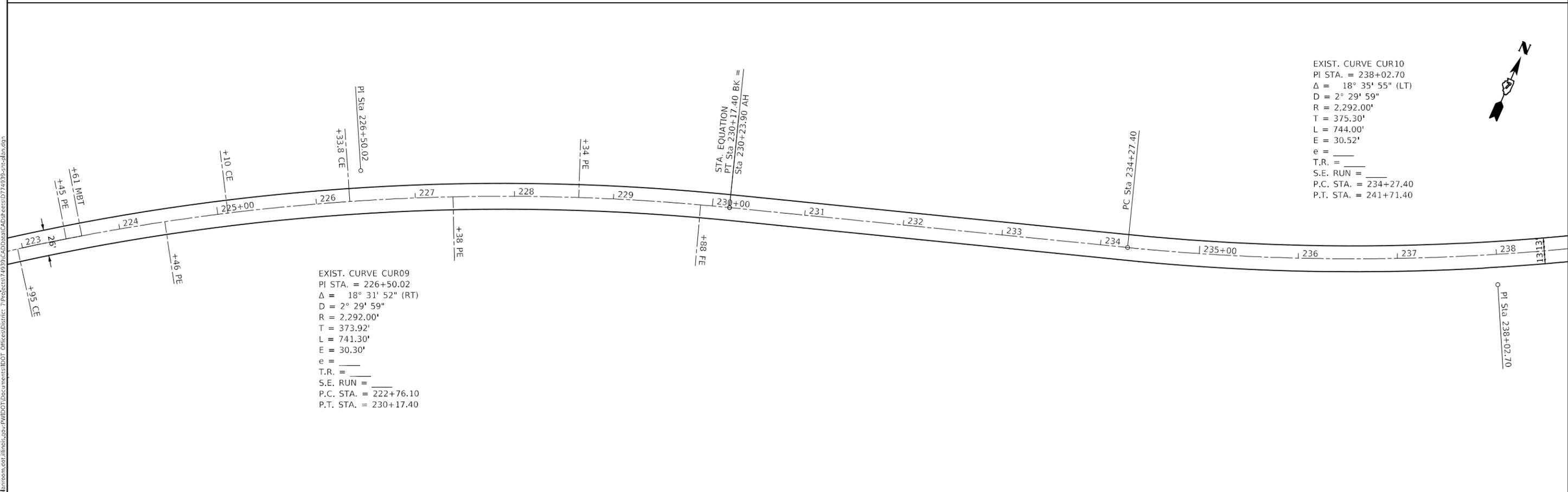
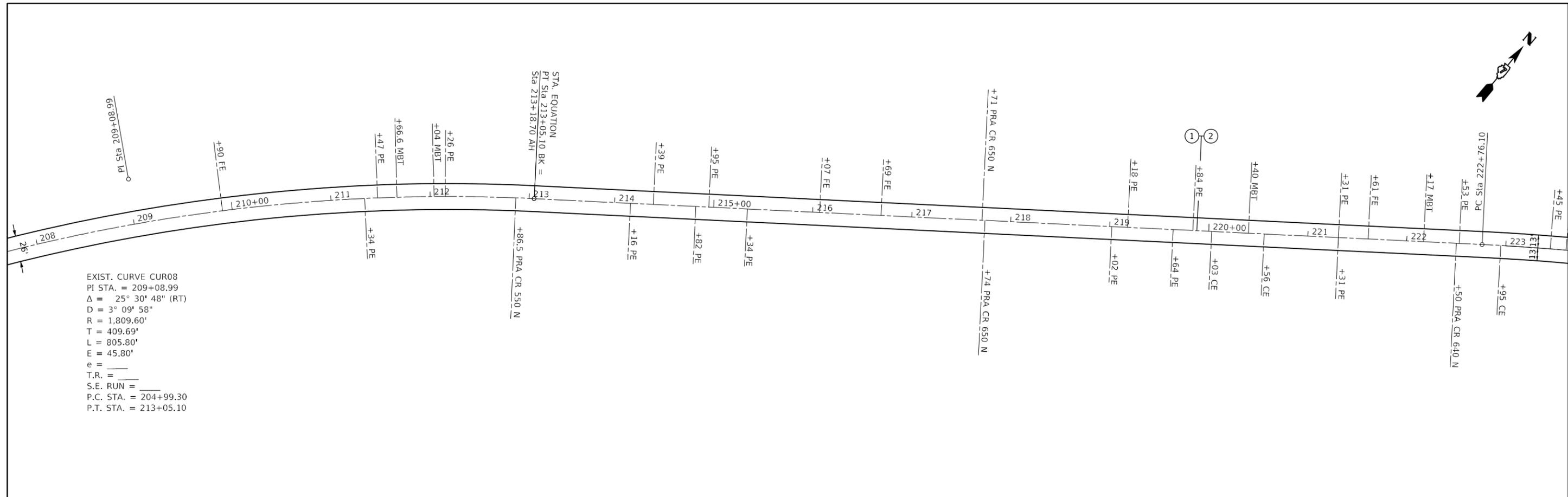
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: 50      SHEET 1 OF 22 SHEETS      STA. 148+00.00 TO STA. 178+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	23
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	





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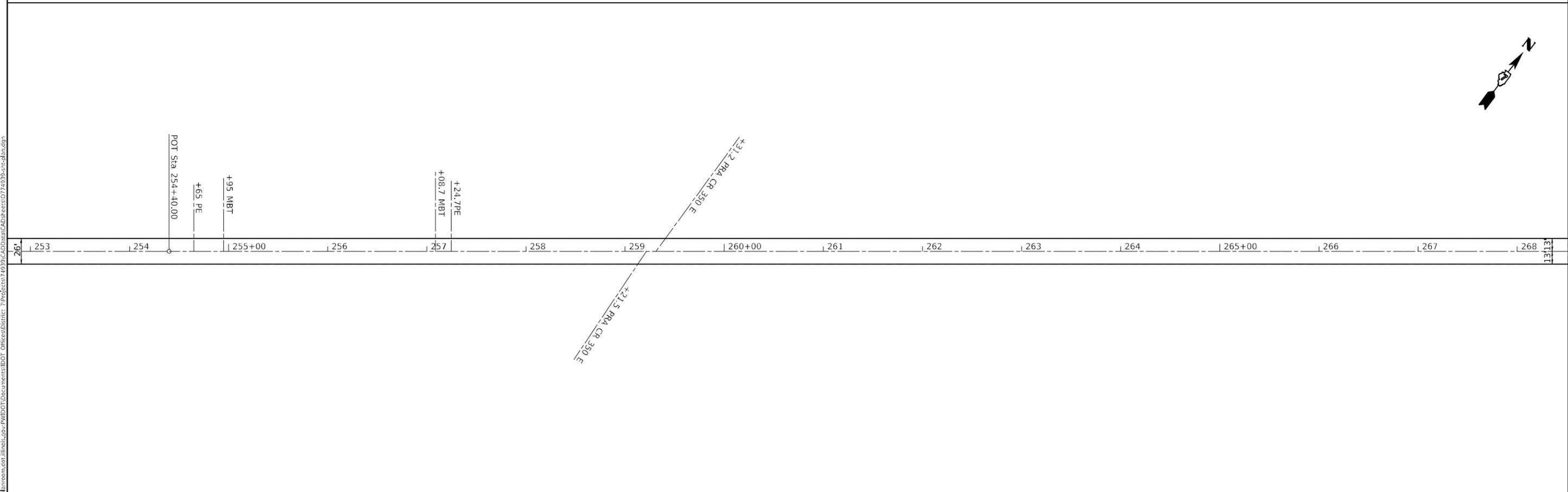
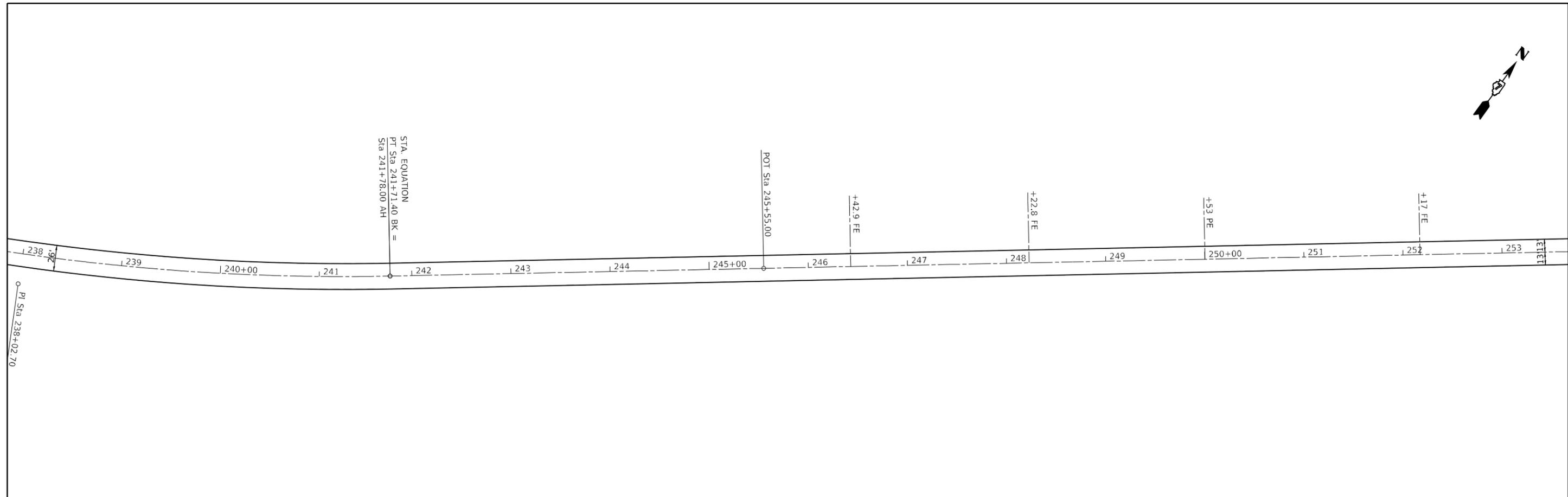
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PLOT DATE = 1/21/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: 50      SHEET 3 OF 22 SHEETS      STA. 208+00.00 TO STA. 238+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	25
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				



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	DRAWN -	REVISED -
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PLOT DATE = 1/21/2021	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: 50      SHEET 4 OF 22 SHEETS      STA. 238+00.00 TO STA. 268+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	26
CONTRACT NO. 74939				
ILLINOIS		FED. AID PROJECT		



268 269 270+00 271 272 273 274 275+00 276 277 278 279 280+00 281 282 283

POT Sta 272+85.00

+62.4 CE



283 284 285+00 286 287 288 289 290+00 291 292 293 294 295+00 296 297 298

+79 FE

PI Sta 292+48.00

+95.3 CE

+44.0 PPA CR 400 E

+37.9 PPA CR 400 E

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	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/21/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: 50 SHEET 5 OF 22 SHEETS STA. 268+00.00 TO STA. 298+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	27
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	



26 | 298 | 299 | 300+00 | 301 | 302 | 303 | 304 | 305+00 | 306 | 307 | 308 | 309 | 310+00 | 311 | 312 | 313 | 1313

+99.7 FE

+92.7 FE



26 | 313 | 314 | 315+00 | 316 | 317 | 318 | 319 | 320+00 | 321 | 322 | 323 | 324 | 325+00 | 326 | 327 | 328 | 1313

POT Sta 316+36.00

POT Sta 327+98.00

+24 FE

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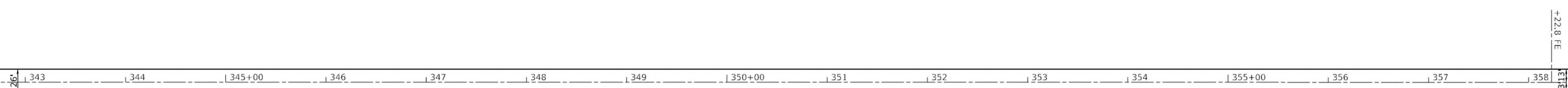
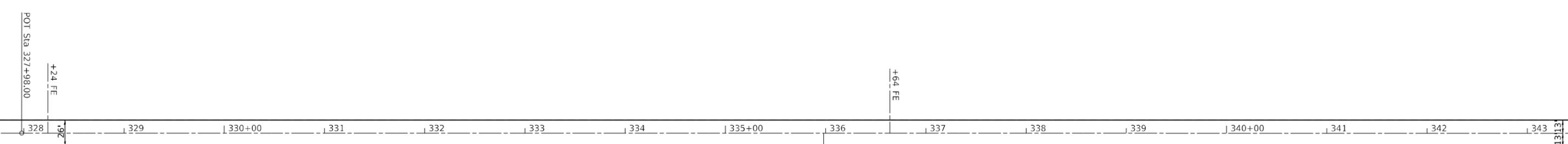
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PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/21/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: 50 SHEET 6 OF 22 SHEETS STA. 298+00.00 TO STA. 328+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	28
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	



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 PROJECT: 74939  
 COUNTY: WABASH  
 SHEET: 7 OF 22  
 STA: 328+00.00 TO STA: 358+00.00

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/21/2021	DATE -	REVISED -

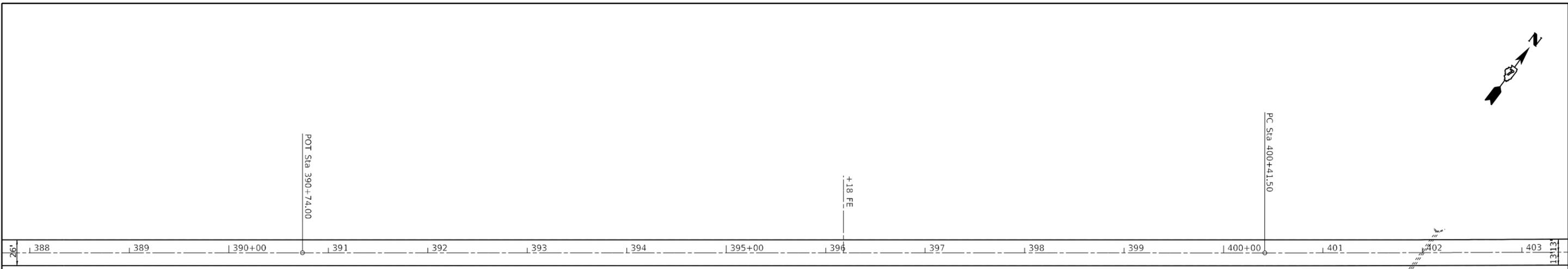
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: 50      SHEET 7 OF 22 SHEETS      STA. 328+00.00 TO STA. 358+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	29
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	





EXIST. CURVE CUR11  
 PI STA. = 405+50.86  
 $\Delta = 1^\circ 01' 07''$  (LT)  
 $D = 0^\circ 06' 00''$   
 $R = 57,295.80'$   
 $T = 509.36'$   
 $L = 1,018.70'$   
 $E = 2.26'$   
 $e = \quad$   
 T.R. =  $\quad$   
 S.E. RUN =  $\quad$   
 P.C. STA. = 400+41.50  
 P.T. STA. = 410+60.20

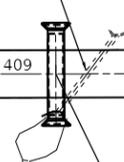
BOX CULVERT REMOVAL

STA. EQUATION  
 PT Sta 410+58.20 BK =  
 Sta 410+58.50 AH

PC Sta 413+20.80

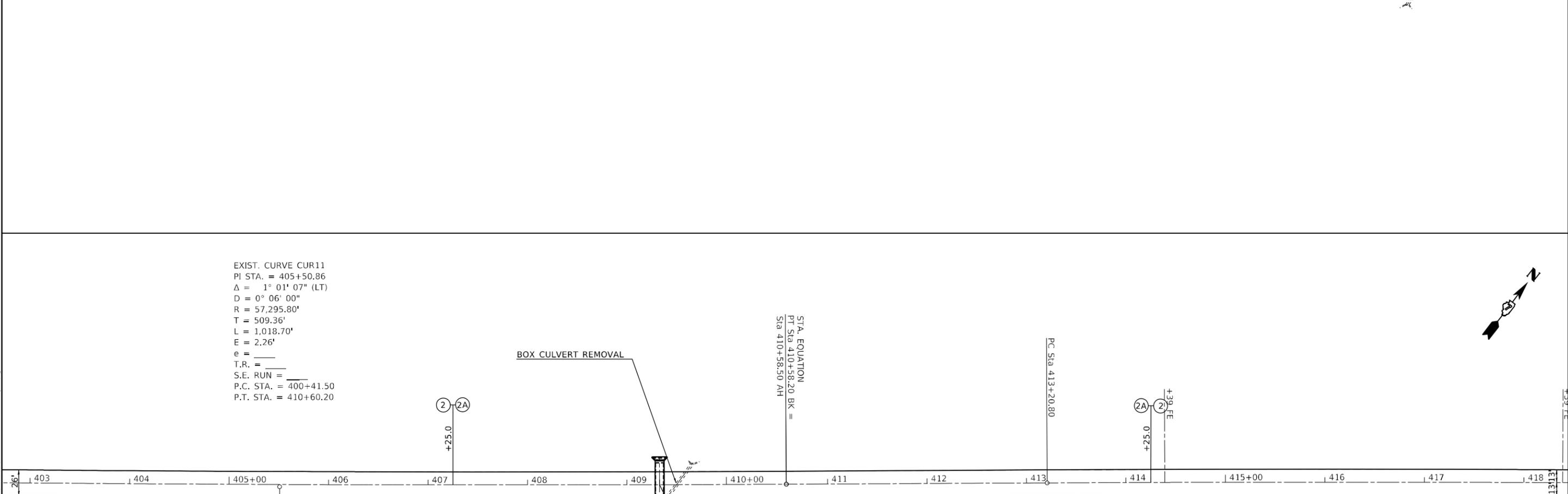
(2) (2A)  
 +25.0

(2A) (2)  
 +25.0  
 +39.0 FE



PRECAST CONCRETE BOX  
 CULVERTS, 8X2

\*SEE SHEET 61 FOR DETAILS



MODEL: Default  
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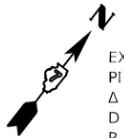
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PLOT DATE = 1/21/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

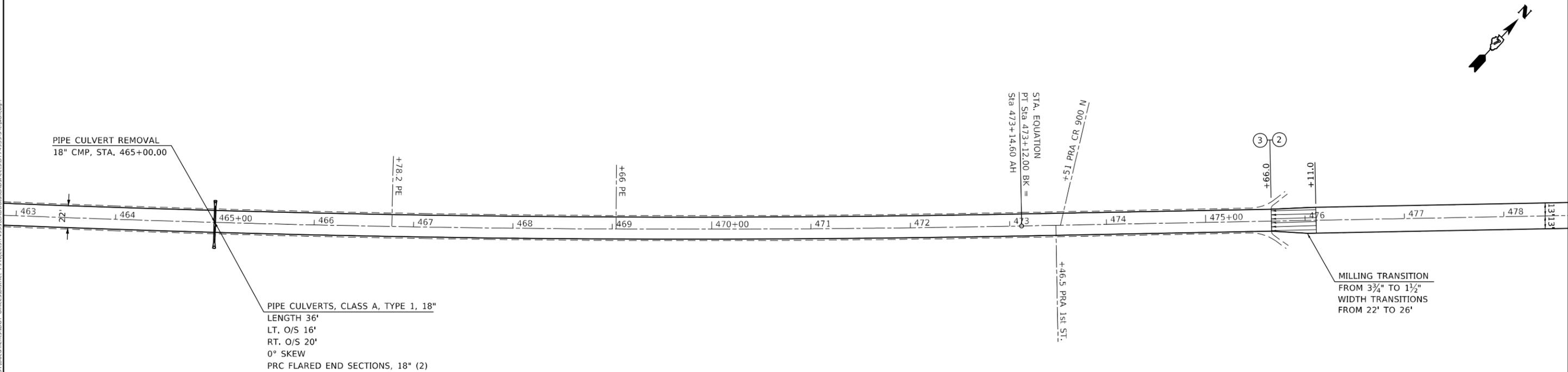
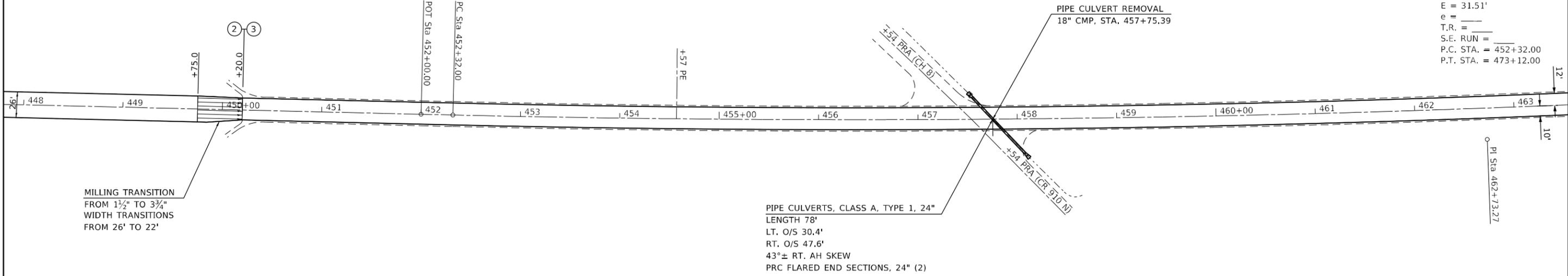
<b>PLAN SHEET</b>			
SCALE: 50	SHEET 9	OF 22 SHEETS	STA. 388+00.00 TO STA. 418+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	31
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	





EXIST. CURVE CUR13  
 PI STA. = 462+73.27  
 $\Delta = 6^\circ 56' 00''$  (LT)  
 $D = 0^\circ 20' 00''$   
 $R = 17,188.80'$   
 $T = 1,041.27'$   
 $L = 2,080.00'$   
 $E = 31.51'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 452+32.00$   
 $P.T. STA. = 473+12.00$



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	DATE -	REVISIONS -

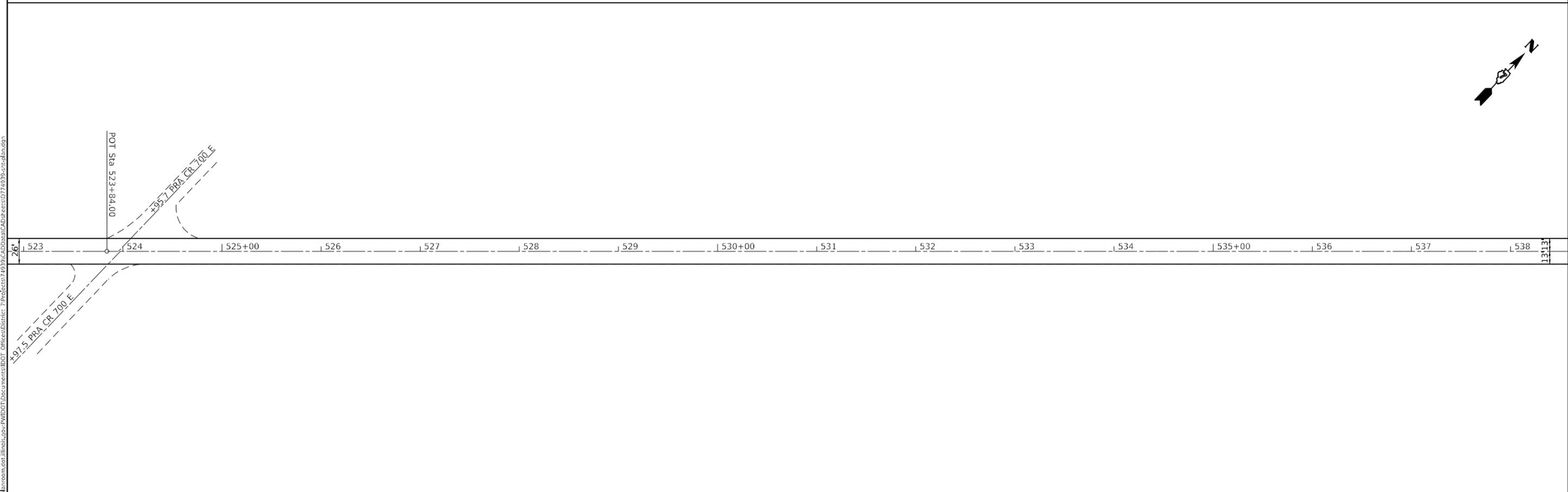
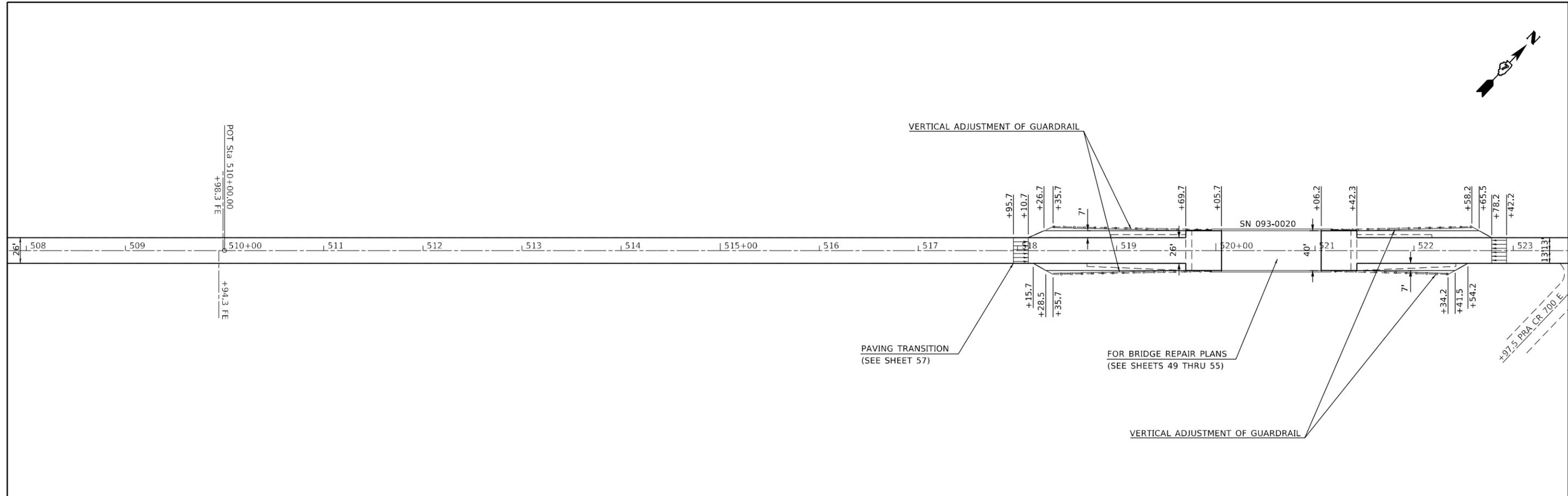
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: 50      SHEET 11 OF 22 SHEETS      STA. 448+00.00 TO STA. 478+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	33
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	





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 OFFICE: DISTRICT 7  
 PROJECT: 74939  
 CAD: PROJECTS\74939-513-01.dwg

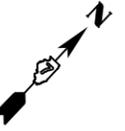
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PLOT DATE = 1/21/2021	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: 50      SHEET 13 OF 22 SHEETS      STA. 508+00.00 TO STA. 538+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	35
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				



26' | 538 | 539 | 540+00 | 541 | 542 | 543 | 544 | 545+00 | 546 | 547 | 548 | 549 | 550+00 | 551 | 552 | 553 | 1313'

+77.8 FE

POT Sta 543+00.00



26' | 553 | 554 | 555+00 | 556 | 557 | 558 | 559 | 560+00 | 561 | 562 | 563 | 564 | 565+00 | 566 | 567 | 568 | 1313'

POT Sta 560+00.00

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 DRAWING: 14

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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/21/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

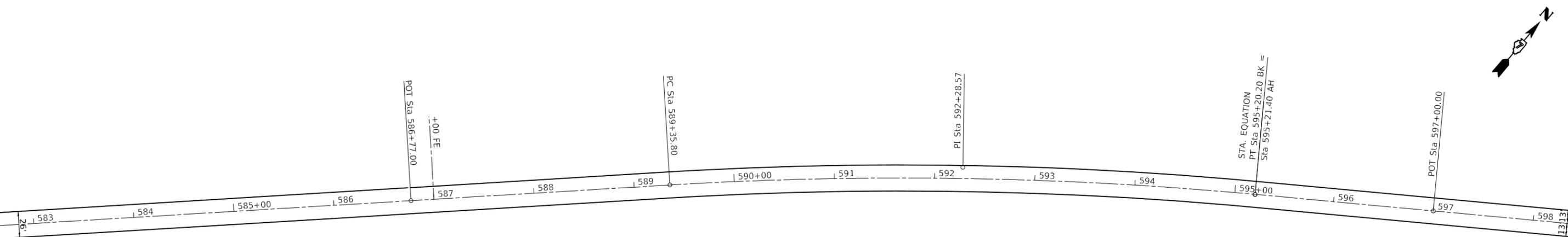
**PLAN SHEET**

SCALE: 50 SHEET 14 OF 22 SHEETS STA. 538+00.00 TO STA. 568+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	36
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	



568 569 570+00 571 572 573 574 575+00 576 577 578 579 580+00 581 582 583



EXIST. CURVE CUR14  
 PI STA. = 592+28.57  
 $\Delta = 8^\circ 45' 57''$  (RT)  
 $D = 1^\circ 30' 00''$   
 $R = 3,819.80'$   
 $T = 292.77'$   
 $L = 584.40'$   
 $E = 11.20'$   
 $e = \underline{\hspace{1cm}}$   
 $T.R. = \underline{\hspace{1cm}}$   
 $S.E. RUN = \underline{\hspace{1cm}}$   
 P.C. STA. = 589+35.80  
 P.T. STA. = 595+20.20

MODEL: Default  
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 CAD: 7/21/2021  
 OFFICE: DISTRICT 7  
 PROJECT: 74939  
 CAD: 7/21/2021  
 OFFICE: DISTRICT 7

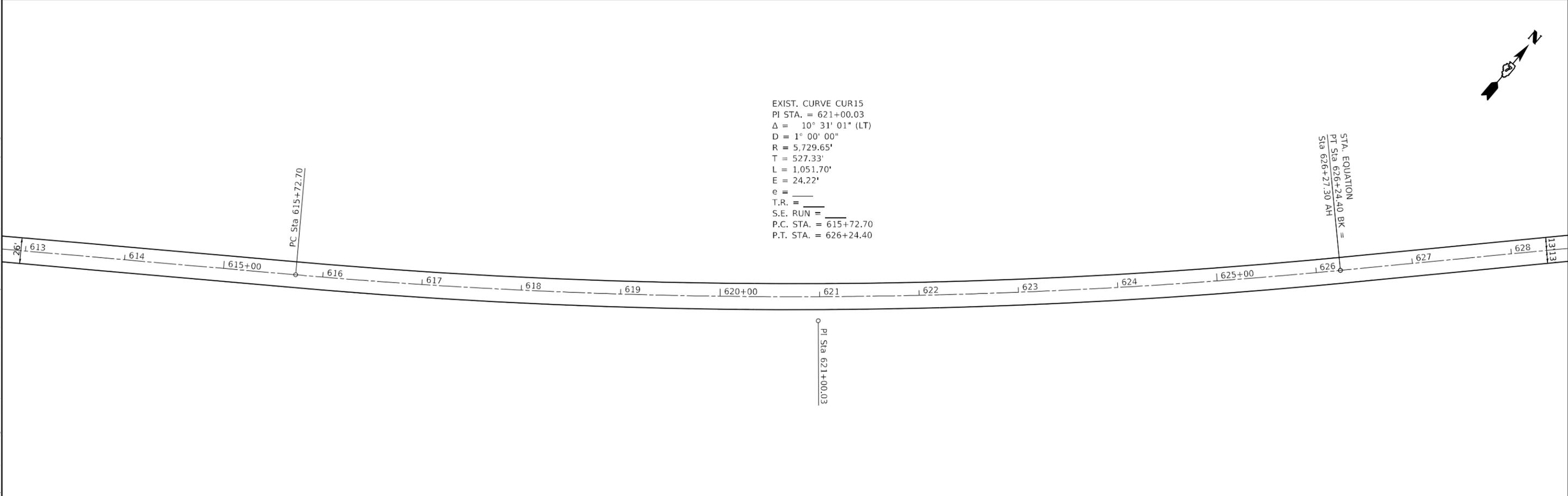
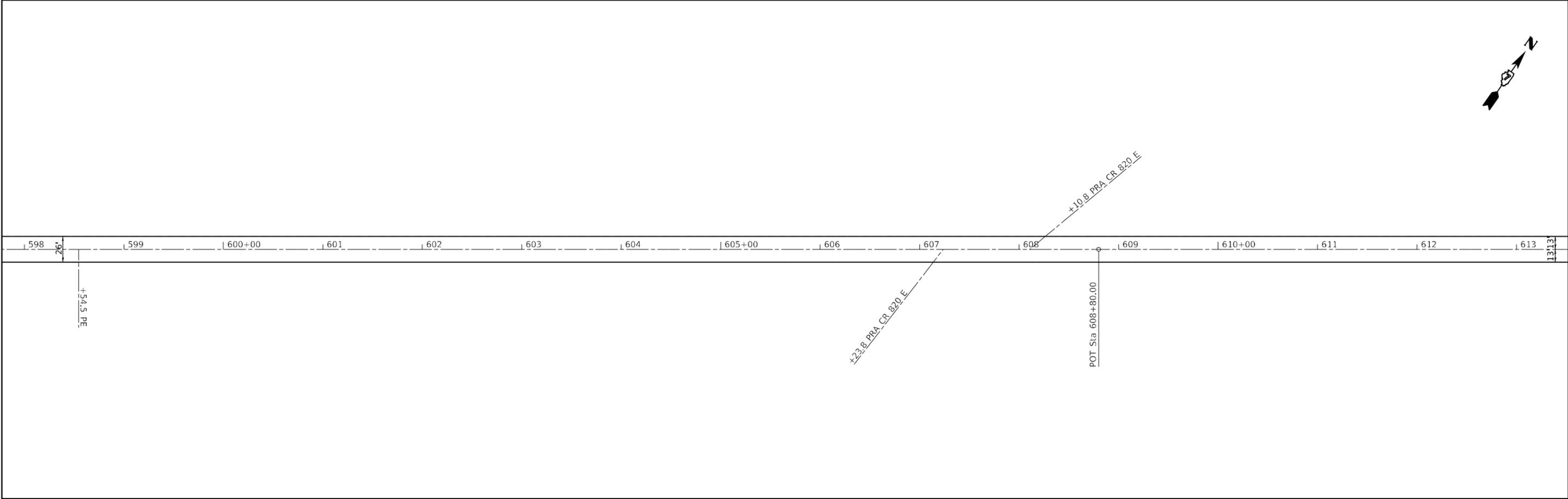
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PLOT DATE = 1/21/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: 50 SHEET 15 OF 22 SHEETS STA. 568+00.00 TO STA. 598+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	37
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	



EXIST. CURVE CUR15  
 PI STA. = 621+00.03  
 $\Delta$  = 10° 31' 01" (LT)  
 D = 1° 00' 00"  
 R = 5,729.65'  
 T = 527.33'  
 L = 1,051.70'  
 E = 24.22'  
 e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 615+72.70  
 P.T. STA. = 626+24.40

STA. EQUATION  
 PT Sta 626+24.40 BK =  
 Sta 626+27.30 AH

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PLOT DATE = 1/21/2021	DATE -	REVISED -

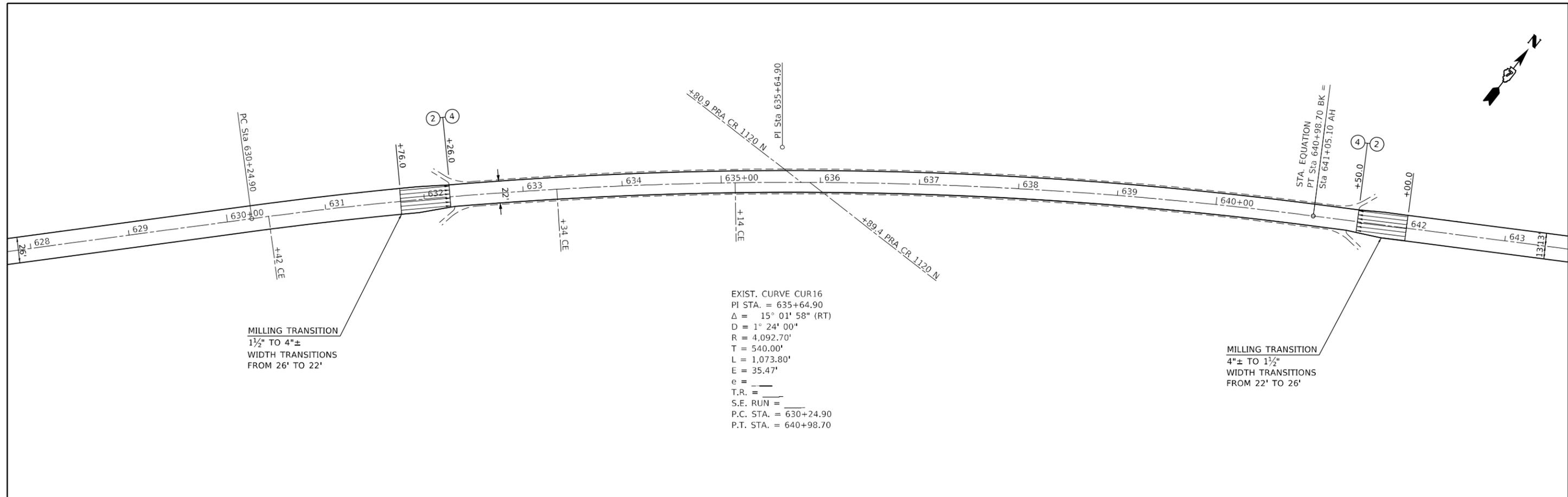
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: 50 SHEET 16 OF 22 SHEETS STA. 598+00.00 TO STA. 628+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	38
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	

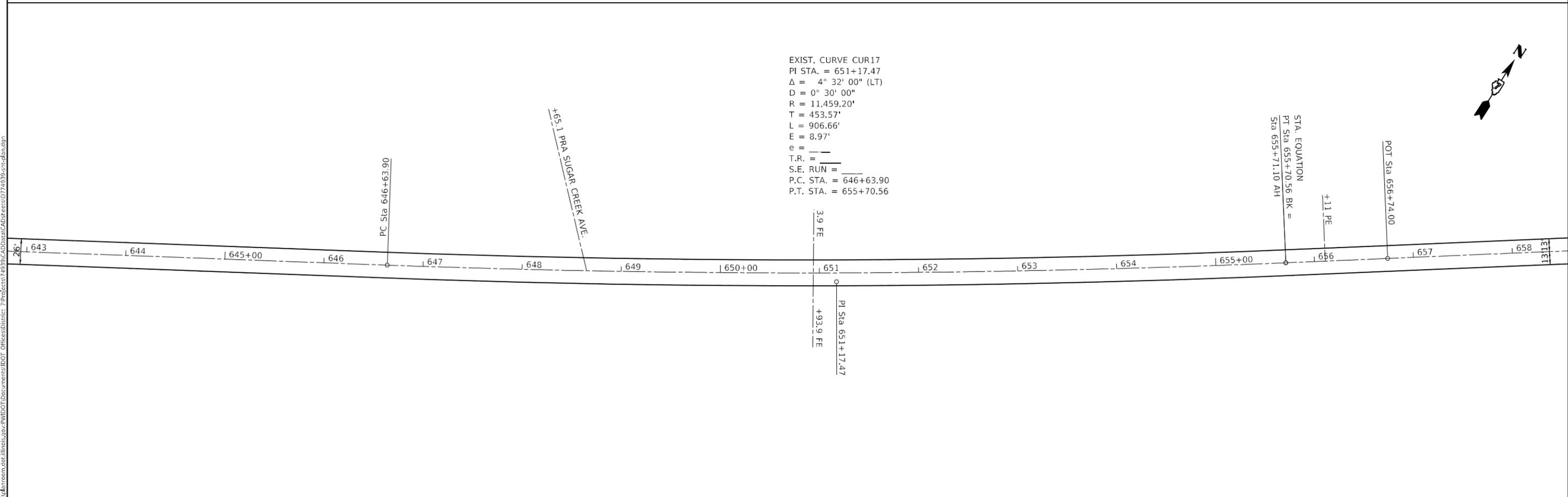
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MILLING TRANSITION  
 1½" TO 4"±  
 WIDTH TRANSITIONS  
 FROM 26' TO 22'

EXIST. CURVE CUR16  
 PI STA. = 635+64.90  
 $\Delta$  = 15° 01' 58" (RT)  
 D = 1° 24' 00"  
 R = 4,092.70'  
 T = 540.00'  
 L = 1,073.80'  
 E = 35.47'  
 e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 630+24.90  
 P.T. STA. = 640+98.70

MILLING TRANSITION  
 4"± TO 1½"  
 WIDTH TRANSITIONS  
 FROM 22' TO 26'



EXIST. CURVE CUR17  
 PI STA. = 651+17.47  
 $\Delta$  = 4° 32' 00" (LT)  
 D = 0° 30' 00"  
 R = 11,459.20'  
 T = 453.57'  
 L = 906.66'  
 E = 8.97'  
 e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 646+63.90  
 P.T. STA. = 655+70.56

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: 50      SHEET 17 OF 22 SHEETS      STA. 628+00.00 TO STA. 658+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	39
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				



POT Sta 673+00.00

658 659 660+00 661 662 663 664 665+00 666 667 668 669 670+00 671 672 673

+41.4 PRA SUGAR CREEK AVE.

POT Sta 661+50.00

+09.5 FE



688

673 674 675+00 676 677 678 679 680+00 681 682 683 684 685+00 686 687 688

POT Sta 673+00.00

+88.5 FE

POT Sta 680+20.80

+72 FE

+03.6 PRA CR 920 E

+72 FE

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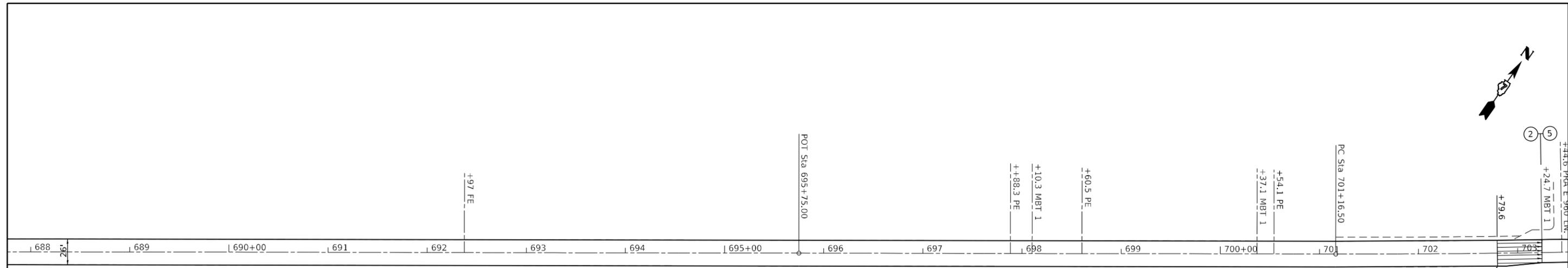
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

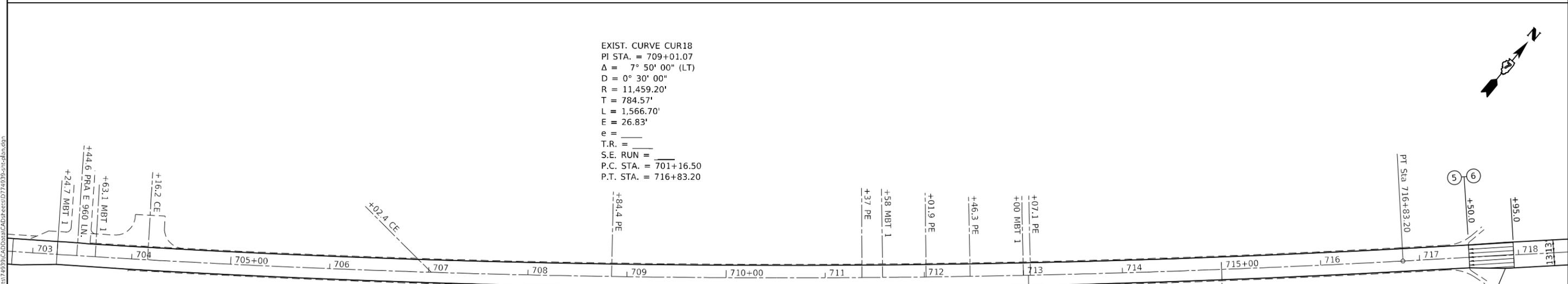
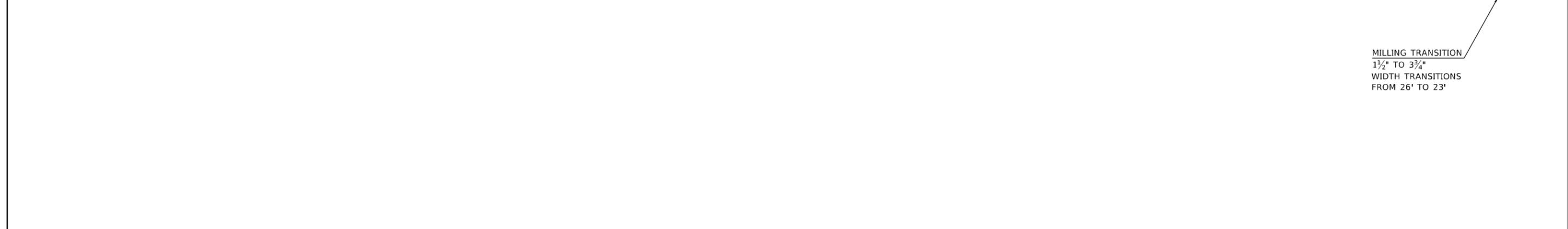
SCALE: 50      SHEET 18 OF 22 SHEETS      STA. 658+00.00 TO STA. 688+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	40
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	

MODEL: Default  
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MILLING TRANSITION  
 1 1/2" TO 3 3/4"  
 WIDTH TRANSITIONS  
 FROM 26' TO 23'



EXIST. CURVE CUR18  
 PI STA. = 709+01.07  
 $\Delta$  = 7° 50' 00" (LT)  
 D = 0° 30' 00"  
 R = 11,459.20'  
 T = 784.57'  
 L = 1,566.70'  
 E = 26.83'  
 e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 701+16.50  
 P.T. STA. = 716+83.20

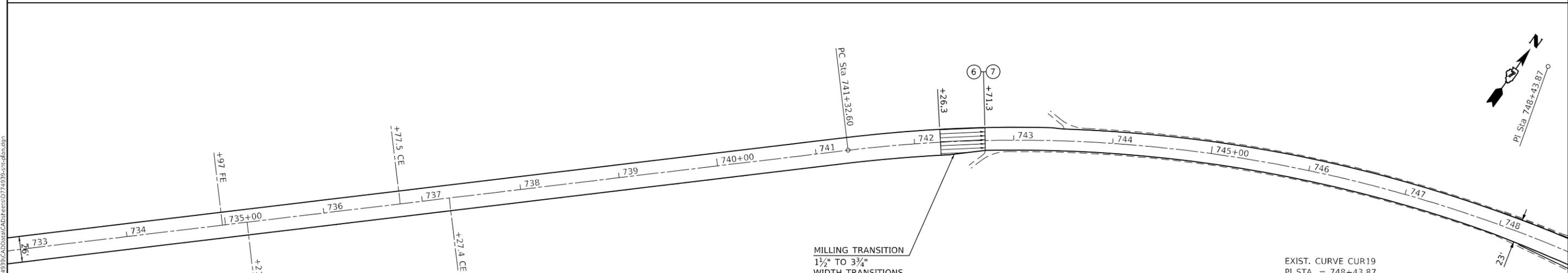
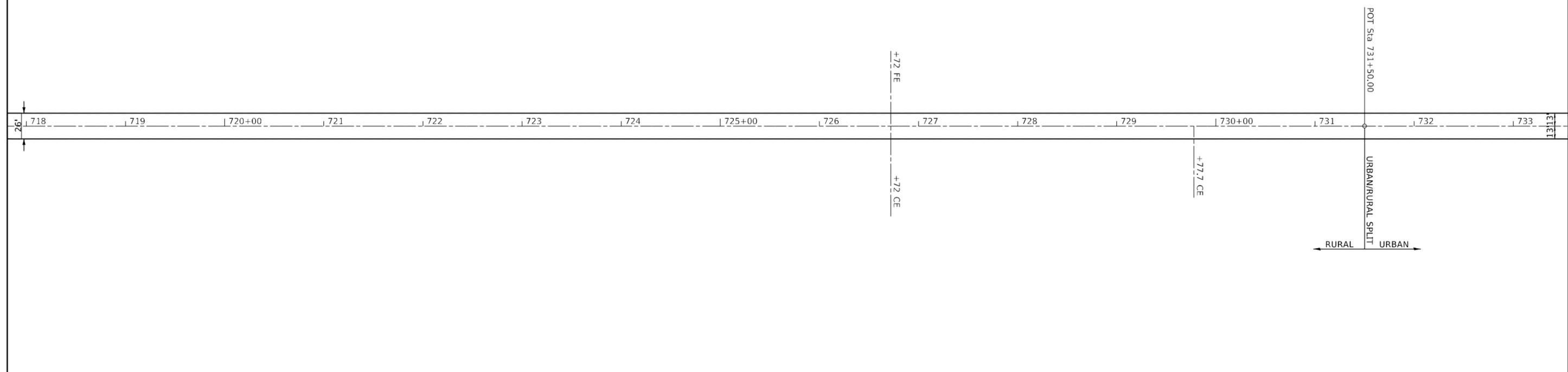
MILLING TRANSITION  
 3 3/4" TO 1 1/2"  
 WIDTH TRANSITIONS  
 FROM 23' TO 26'

USER NAME = steffenmk	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/21/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

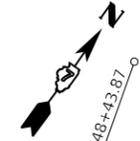
**PLAN SHEET**  
 SCALE: 50 SHEET 19 OF 22 SHEETS STA. 688+00.00 TO STA. 718+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	41
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	



MILLING TRANSITION  
 1 1/2" TO 3 3/4"  
 WIDTH TRANSITIONS  
 FROM 26' TO 23'

EXIST. CURVE CUR19  
 PI STA. = 748+43.87  
 $\Delta = 52^\circ 48' 17''$  (RT)  
 $D = 3^\circ 59' 57''$   
 $R = 1,432.70'$   
 $T = 711.27'$   
 $L = 1,320.40'$   
 $E = 166.84'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 741+32.60$   
 $P.T. STA. = 754+53.00$



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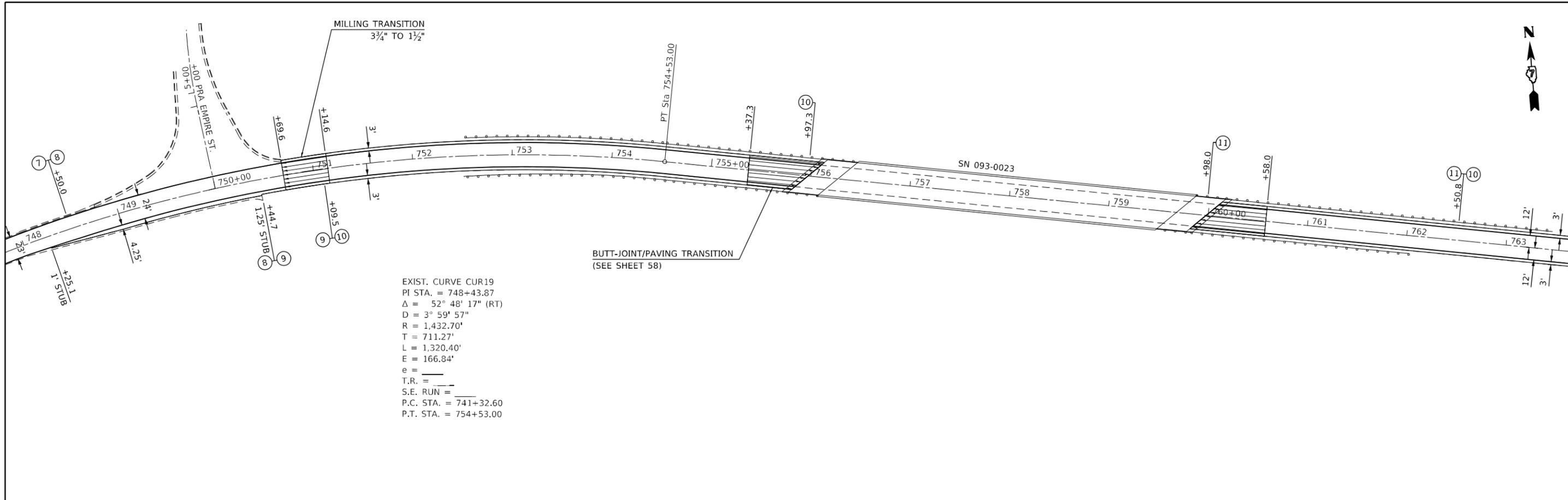
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/21/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

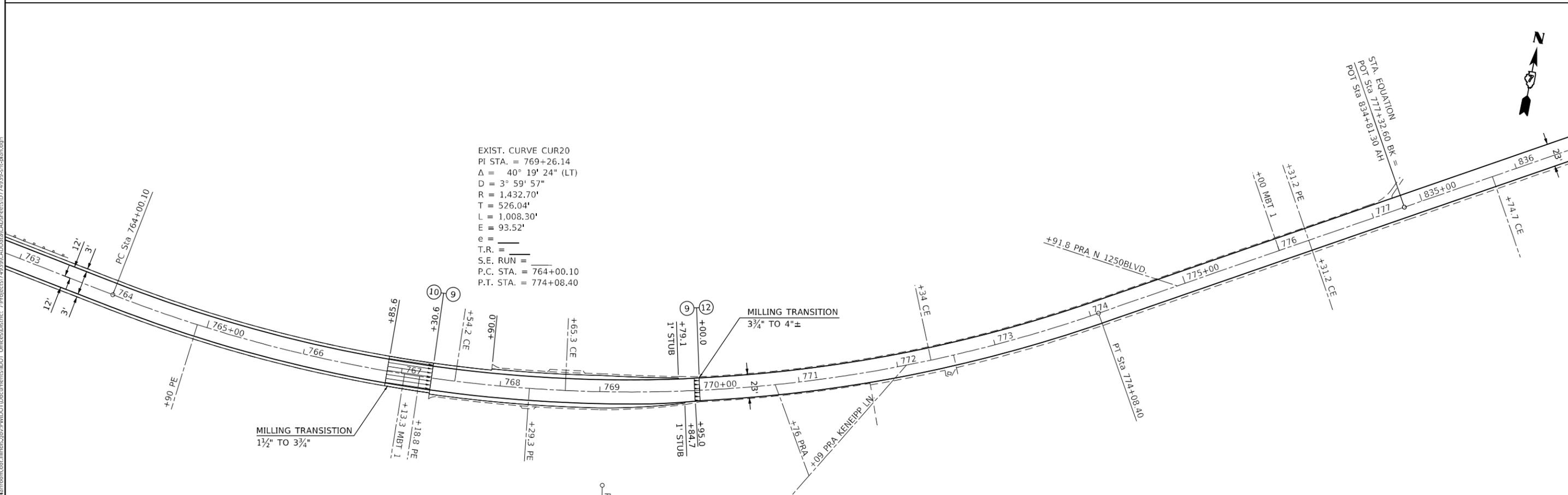
**PLAN SHEET**

SCALE: 50      SHEET 20 OF 22 SHEETS      STA. 718+00.00 TO STA. 748+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	42
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	



EXIST. CURVE CUR19  
 PI STA. = 748+43.87  
 $\Delta = 52^\circ 48' 17''$  (RT)  
 $D = 3^\circ 59' 57''$   
 $R = 1,432.70'$   
 $T = 711.27'$   
 $L = 1,320.40'$   
 $E = 166.84'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 741+32.60$   
 $P.T. STA. = 754+53.00$



EXIST. CURVE CUR20  
 PI STA. = 769+26.14  
 $\Delta = 40^\circ 19' 24''$  (LT)  
 $D = 3^\circ 59' 57''$   
 $R = 1,432.70'$   
 $T = 526.04'$   
 $L = 1,008.30'$   
 $E = 93.52'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 764+00.10$   
 $P.T. STA. = 774+08.40$

MODEL: Default  
 FILE NAME: p:\pub\harronm.dwg  
 PLOT DATE: 1/21/2021  
 PROJECT: 74939  
 OFFICE: DISTRICT 7  
 DRAWN BY: STEFFENMK  
 CHECKED BY: [blank]  
 DATE: 1/21/2021

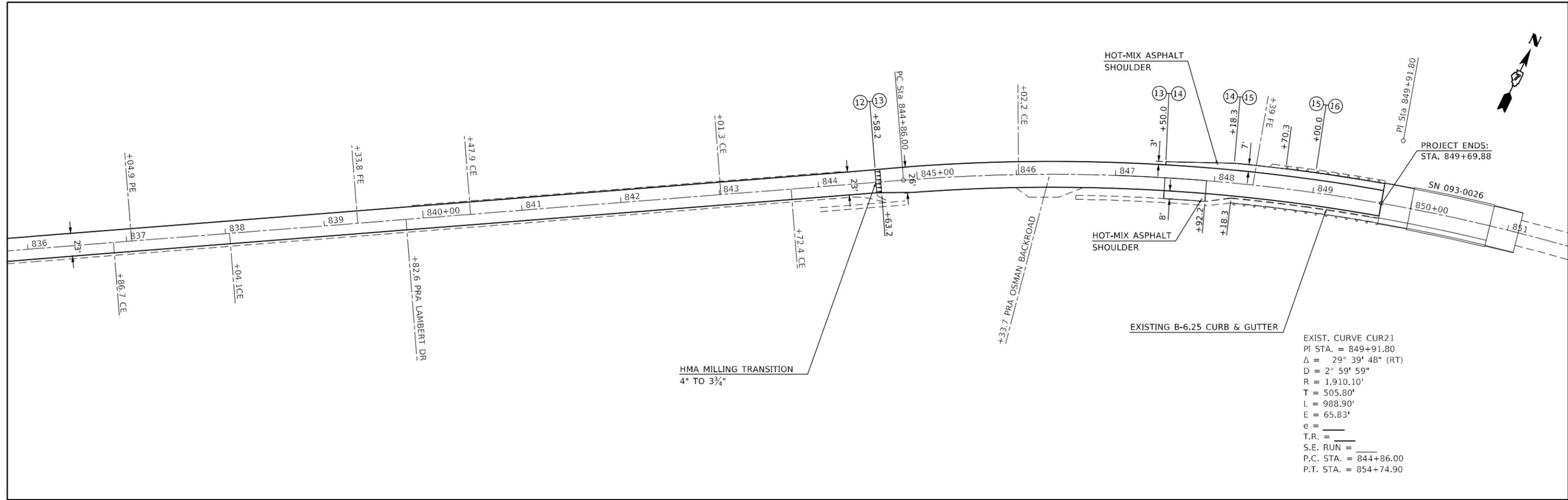
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PLOT DATE = 1/21/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEET</b>			
SCALE: 50	SHEET 21 OF 22 SHEETS	STA. 748+00.00 TO STA. 836+00.00	

F.A.P. RTE. 332	SECTION (101,102,103)RS-3	COUNTY WABASH	TOTAL SHEETS 73	SHEET NO. 43
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 74939



EXIST. CURVE CUR21  
 PI STA. = 849+91.80  
 $\Delta$  = 29° 39' 48" (RT)  
 D = 2° 59' 59"  
 R = 1,910.10'  
 T = 505.80'  
 L = 988.90'  
 E = 65.83'  
 e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 844+86.00  
 P.T. STA. = 854+74.90

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 PROJECT: 74939\CA00Data\CAD\Drawings\74939-110.dwg

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	DRAWN -	REVISED -
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PLOT DATE = 1/21/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

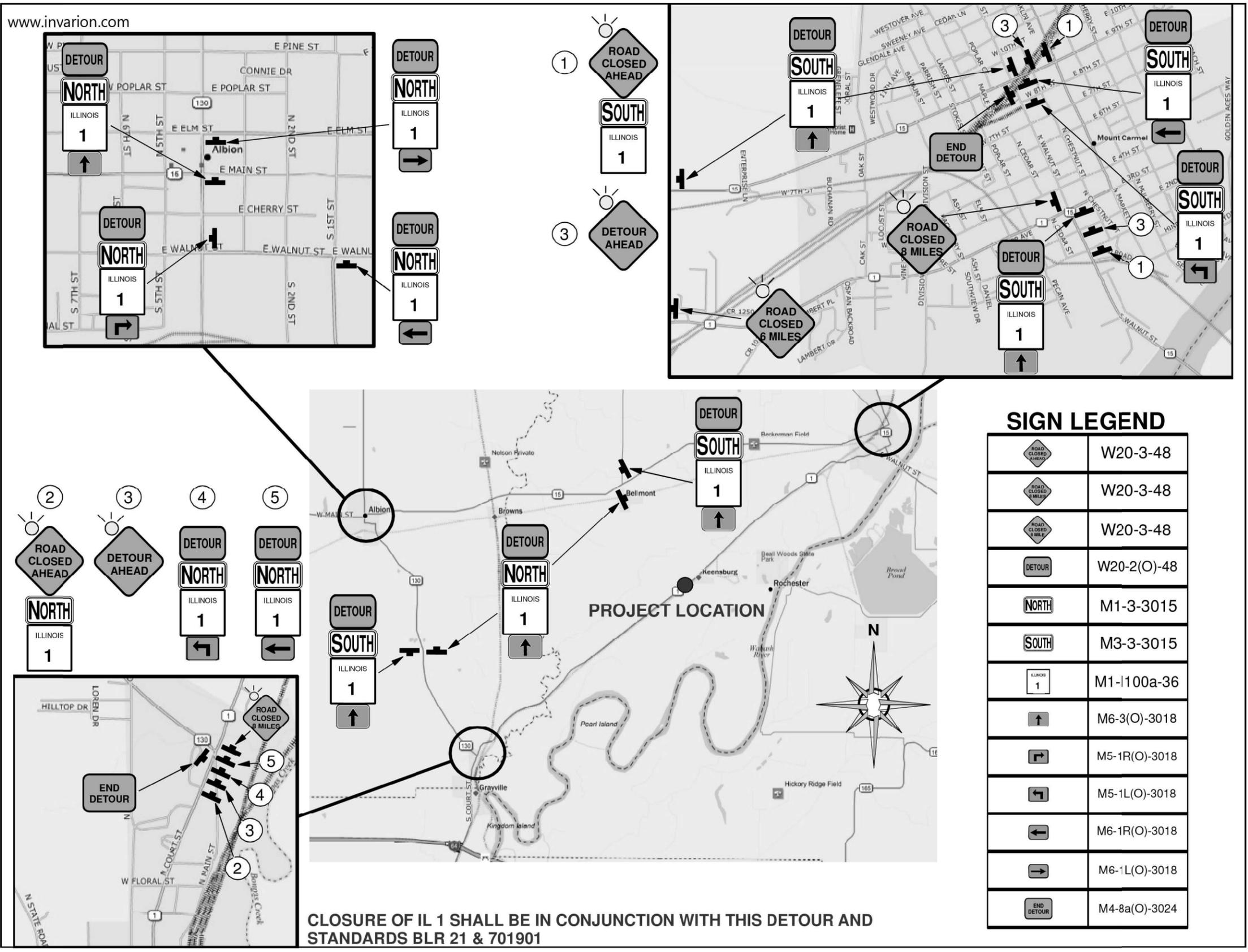
<b>PLAN SHEET</b>			
SCALE: 50	SHEET 22	OF 22 SHEETS	STA. 836+00.00 TO STA. 851+00.00

F.A.P. RTE. 332	SECTION (101,102,103)RS-3	COUNTY WABASH	TOTAL SHEETS 73	SHEET NO. 44
ILLINOIS FED. AID PROJECT				

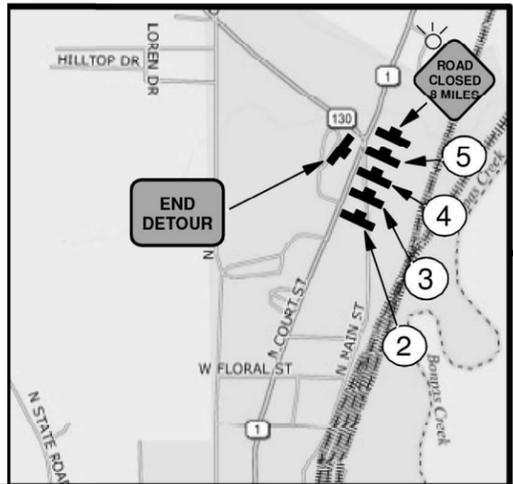
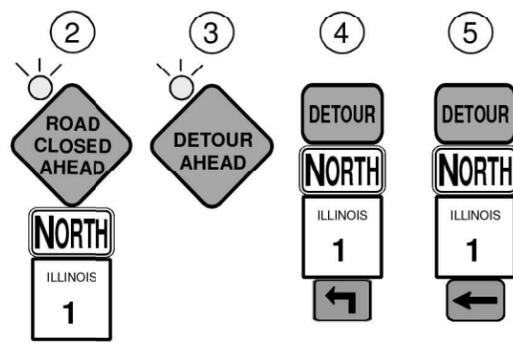
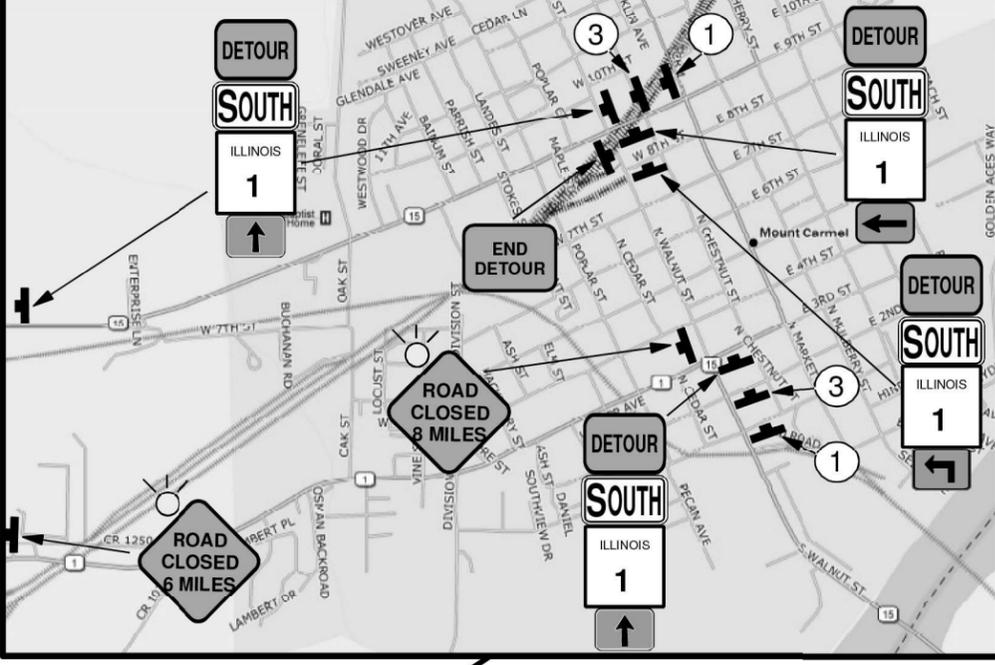
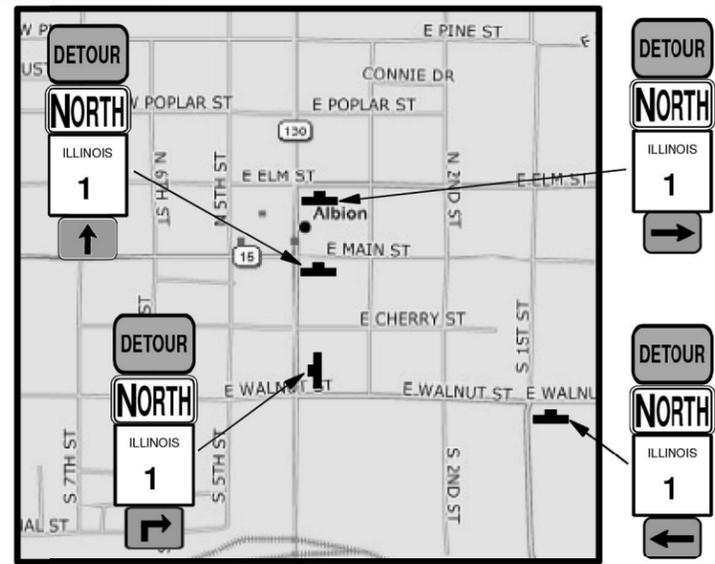
PROJECT ENDS:  
 STA. 849+69.88

SN 093-0026





www.invarion.com



**SIGN LEGEND**

	W20-3-48
	W20-3-48
	W20-3-48
	W20-2(O)-48
	M1-3-3015
	M3-3-3015
	M1-1100a-36
	M6-3(O)-3018
	M5-1R(O)-3018
	M5-1L(O)-3018
	M6-1R(O)-3018
	M6-1L(O)-3018
	M4-8a(O)-3024

**CLOSURE OF IL 1 SHALL BE IN CONJUNCTION WITH THIS DETOUR AND STANDARDS BLR 21 & 701901**

MODEL: Default  
 FILE NAME: p:\pub\harrington.dwg  
 PROJECT: 74939  
 OFFICE: District 7  
 PROJECT: 74939  
 CAD: DataCAD  
 PROJECT: 74939  
 FILE: Road Closure.dwg

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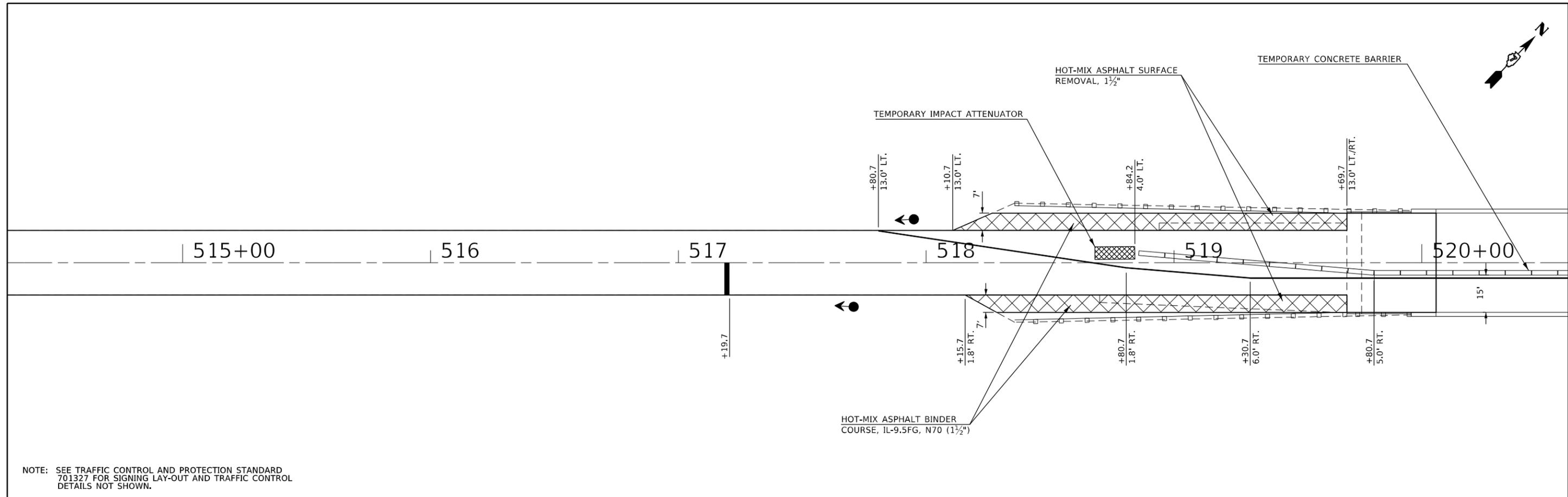
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MARKED ROUTE DETOUR  
LOCATION MAP & DETAIL**

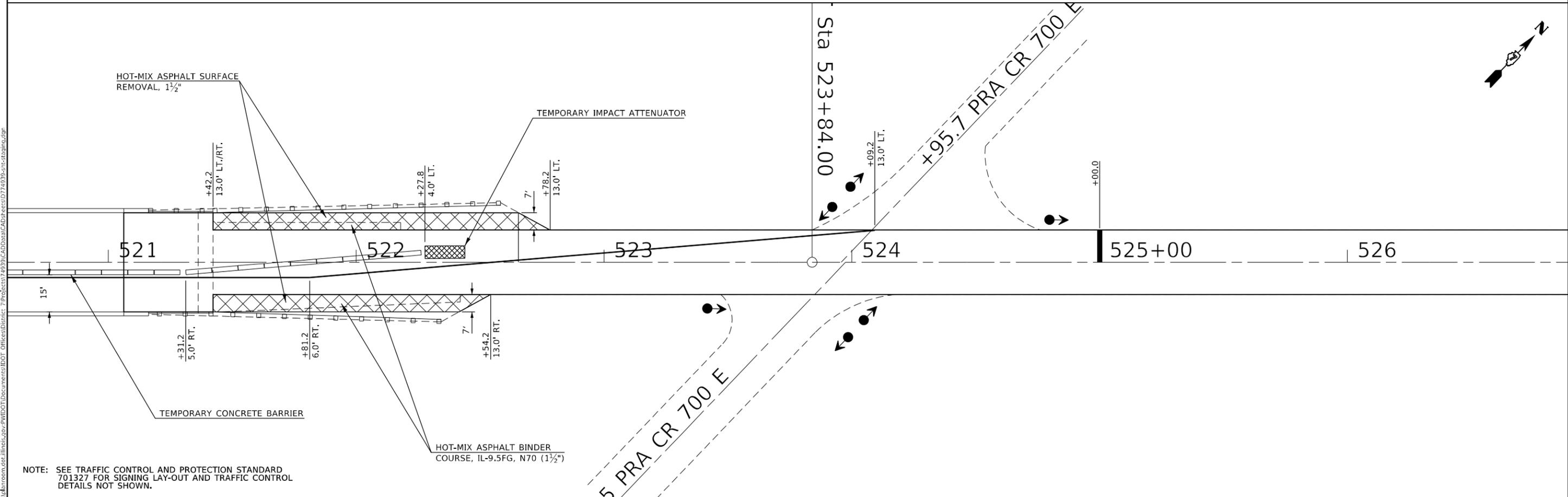
SCALE: NA SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	46
CONTRACT NO. 74939				
ILLINOIS		FED. AID PROJECT		

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NOTE: SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701327 FOR SIGNING LAY-OUT AND TRAFFIC CONTROL DETAILS NOT SHOWN.



NOTE: SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701327 FOR SIGNING LAY-OUT AND TRAFFIC CONTROL DETAILS NOT SHOWN.

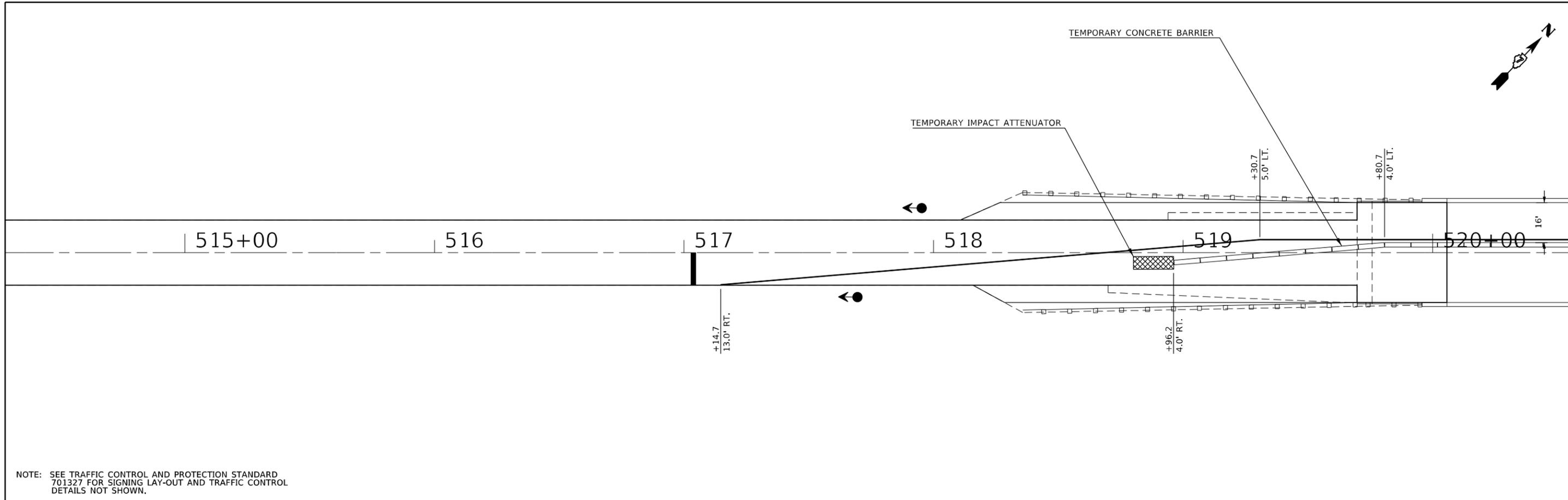
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

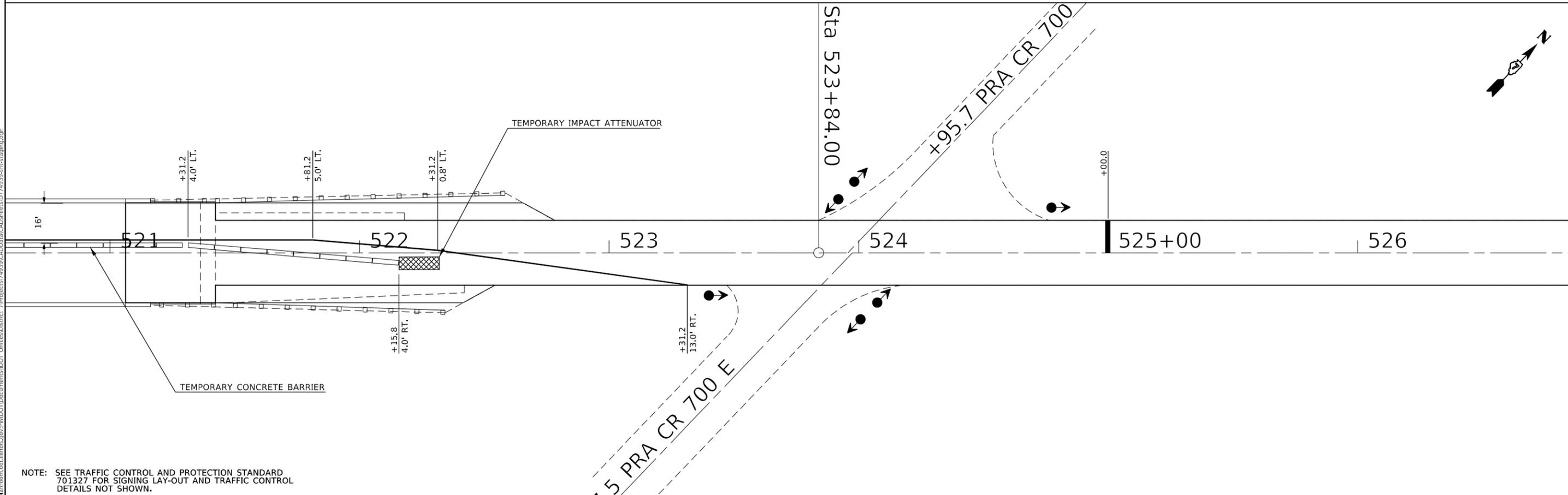
**STAGE I TRAFFIC CONTROL**  
**S.N. 093-0020**

SCALE: 20    SHEET 1 OF 2 SHEETS    STA. 515+00.00 TO STA. 526+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	47
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				



NOTE: SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701327 FOR SIGNING LAY-OUT AND TRAFFIC CONTROL DETAILS NOT SHOWN.



NOTE: SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701327 FOR SIGNING LAY-OUT AND TRAFFIC CONTROL DETAILS NOT SHOWN.

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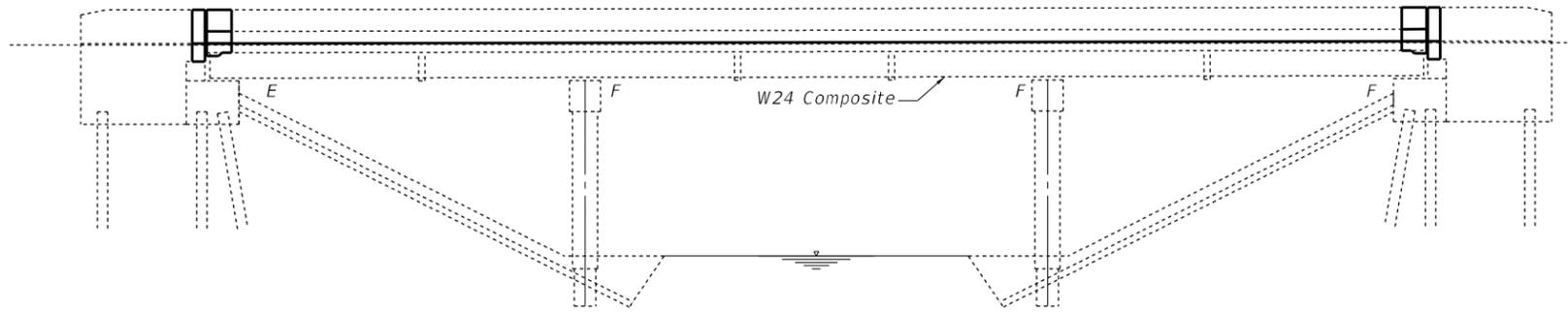
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE II TRAFFIC CONTROL  
S.N. 093-0020**

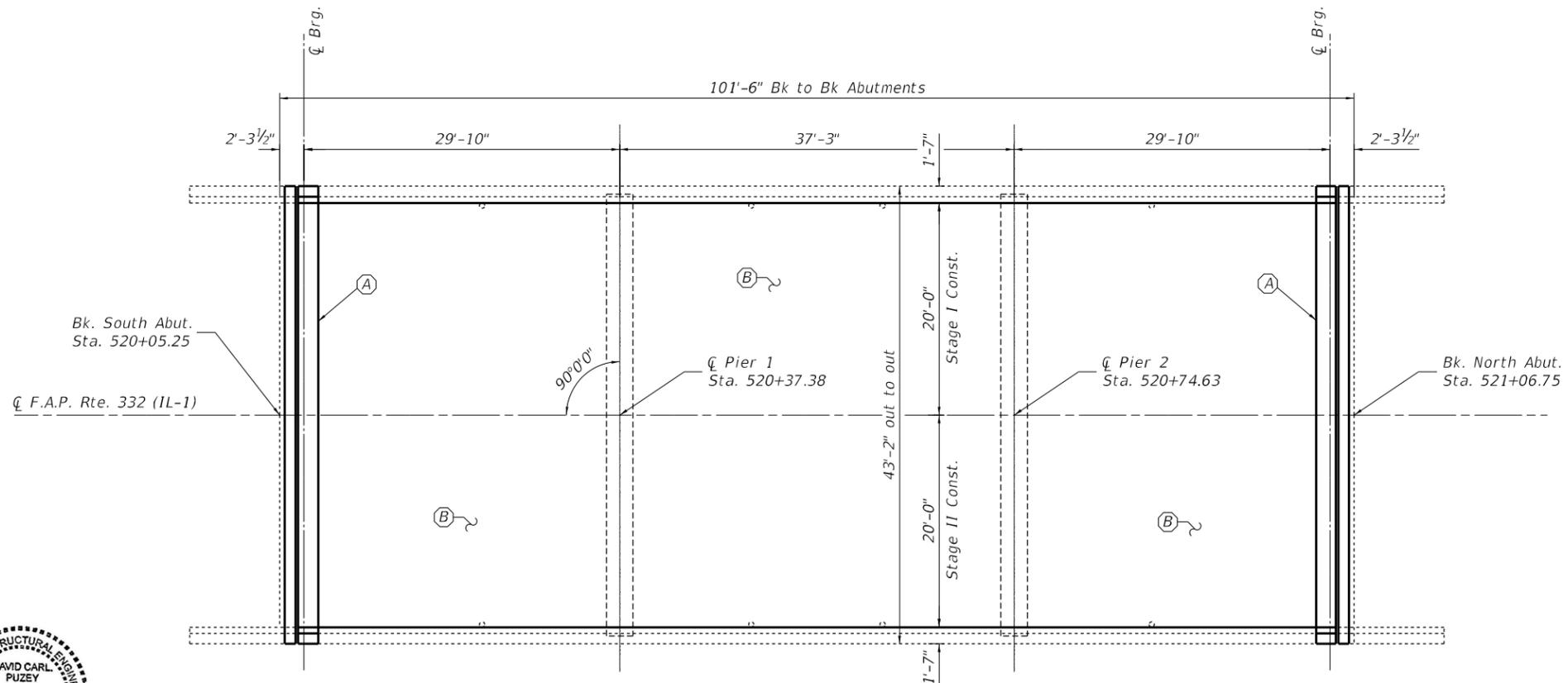
SCALE: 20 SHEET 2 OF 2 SHEETS STA. 515+00.00 TO STA. 526+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	48
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	

EXISTING STRUCTURE: SN 093-0020, built in 1995, is a 3 span, steel multi-beam bridge carrying IL 1 over Coffee Creek. The proposed project consists of replacement of the expansion joints with new strip seals, full depth deck patching, scarification & concrete overlay.



ELEVATION



PLAN

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



Expires 11-30-2022

*David Carl Puzey*

03/15/2021

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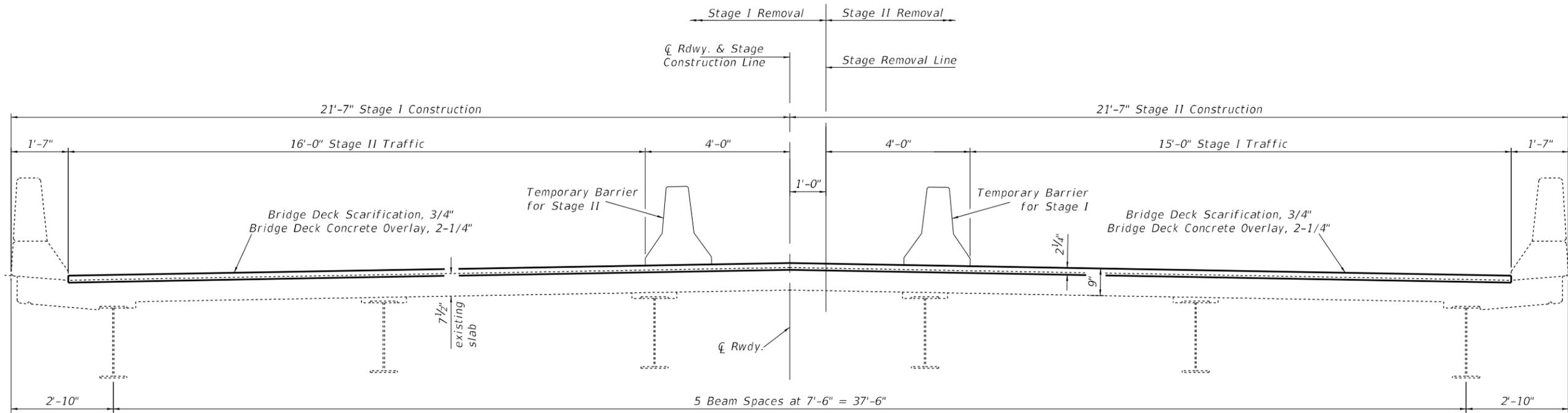
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PLOT SCALE = 100,0000' / in.	CHECKED - D. Macklin	REVISED -
PLOT DATE = 1/21/2021	DATE - June 2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION  
S.N. 093-0020**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(103, 102, 103)RS-3	WABASH	73	49
			CONTRACT NO. 74939	
		ILLINOIS	FED. AID PROJECT	



**STAGE CONSTRUCTION DETAIL**  
Looking North

**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.

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 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.

Protective Coat to be applied to areas of new concrete only, including bridge deck concrete overlay.

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.

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

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Concrete Removal	CU. YD.	11.2
Concrete Superstructure	CU. YD.	11.8
Reinforcement Bars, Epoxy Coated	Pound	1400
Bridge Deck Grooving	SQ. YD.	414
Bridge Deck Scarification, 3/4"	SQ. YD.	419
Bridge Deck Fly Ash or GGBF Slag Concrete Overlay, 2-1/4"	SQ. YD.	419
Preformed Joint Strip Seal	Foot	84
Protective Coat	SQ. YD.	450
Bar Splicers	Each	24
Deck Slab Repair (Full Depth, Type I)	SQ. YD.	2
Deck Slab Repair (Full Depth, Type II)	SQ. YD.	2

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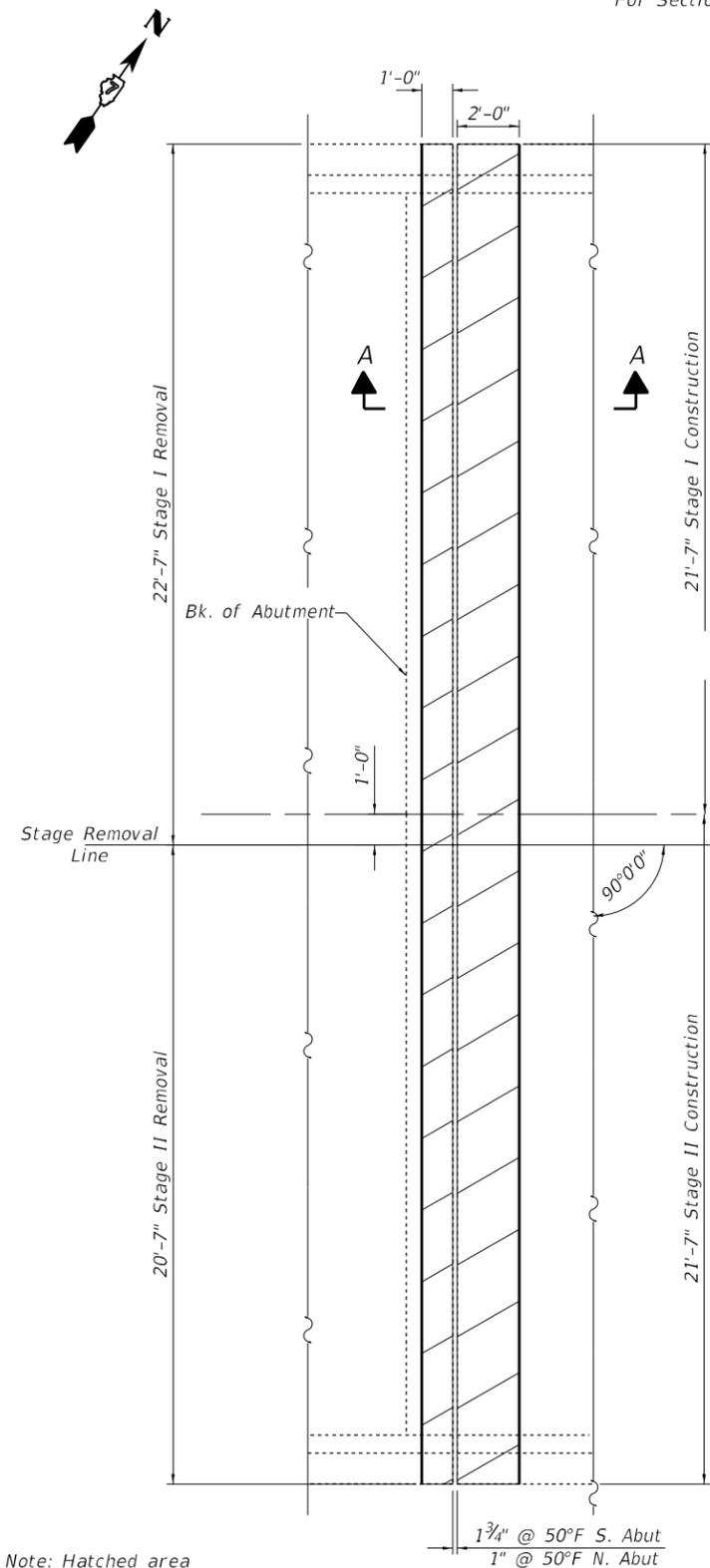
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PLOT SCALE = 100,0000' / in.	CHECKED - D. Macklin	REVISED -
PLOT DATE = 1/21/2021	DATE - June 2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES & BILL OF MATERIAL  
S.N. 093-0020**

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

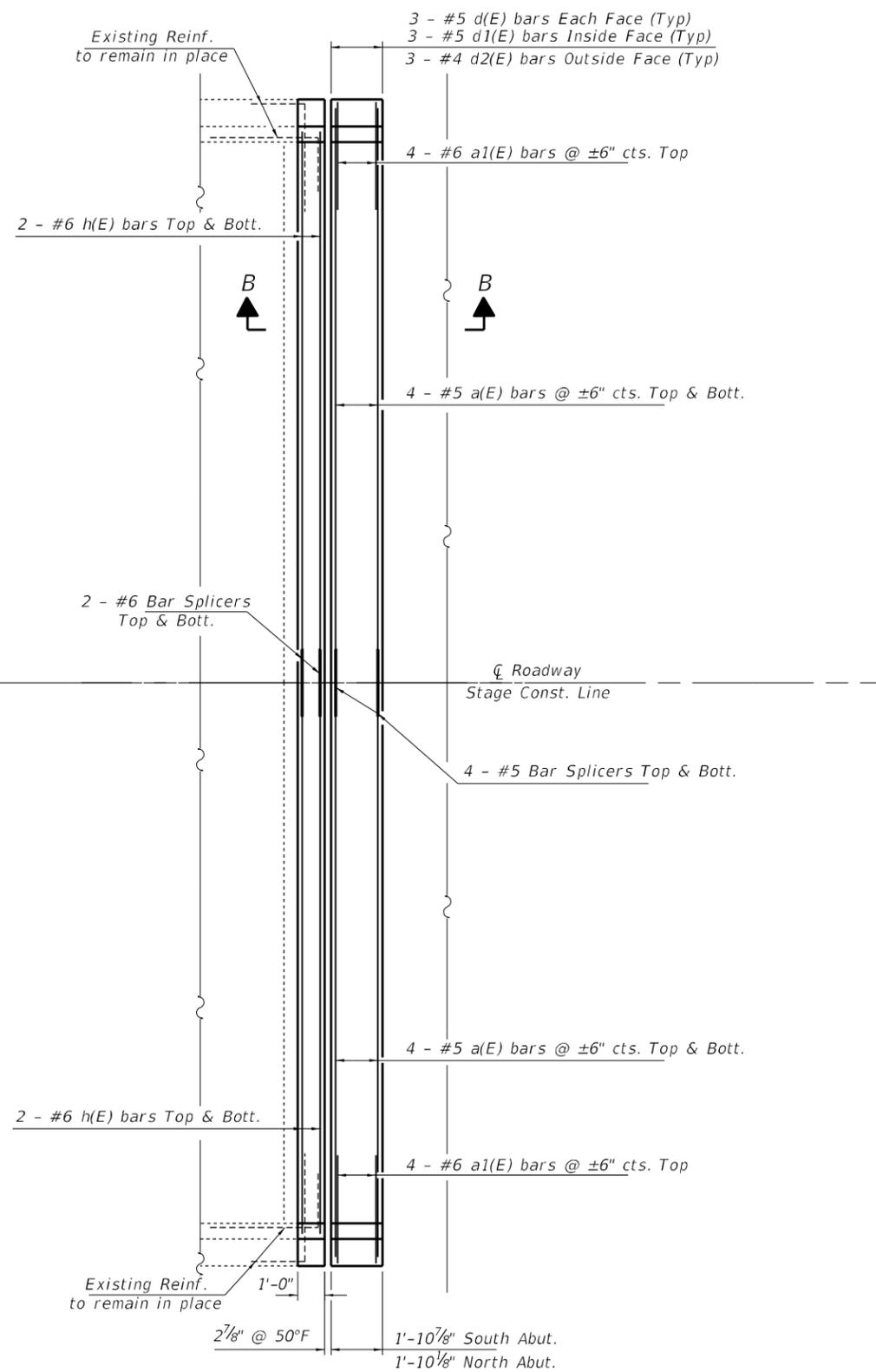
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(103, 102, 103)RS-3	WABASH	73	50
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	



Note: Hatched area indicates removal.

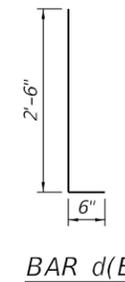
**REMOVAL PLAN**

South Abutment Shown  
North Abutment Similar

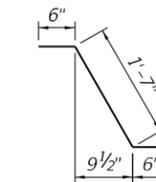


**REINFORCEMENT PLAN**

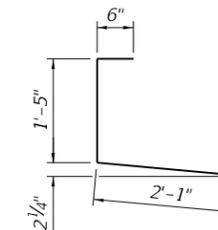
South Abutment Shown  
North Abutment Similar



BAR d(E)



BAR d1(E)



BAR d2(E)

**BILL OF MATERIAL**

Two Abutments

Bar	No.	Size	Length	Shape
a(E)	32	#5	20'-6"	—
a1(E)	16	#6	4'-0"	—
d(E)	24	#5	3'-0"	┌
d1(E)	12	#5	2'-7"	└
d2(E)	12	#4	4'-0"	└
h(E)	16	#6	19'-10"	—
ITEM		UNIT	QUANTITY	
Concrete Removal		Cu. Yd.	11.2	
Concrete Superstructure		Cu. Yd.	11.8	
Reinforcement Bars, Epoxy Coated		Pound	1400	
Bar Splicers		Each	24	

MODEL: Default  
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PLOT DATE = 1/21/2021	CHECKED - D. Macklin	REVISED -
	DATE - June 2020	REVISED -

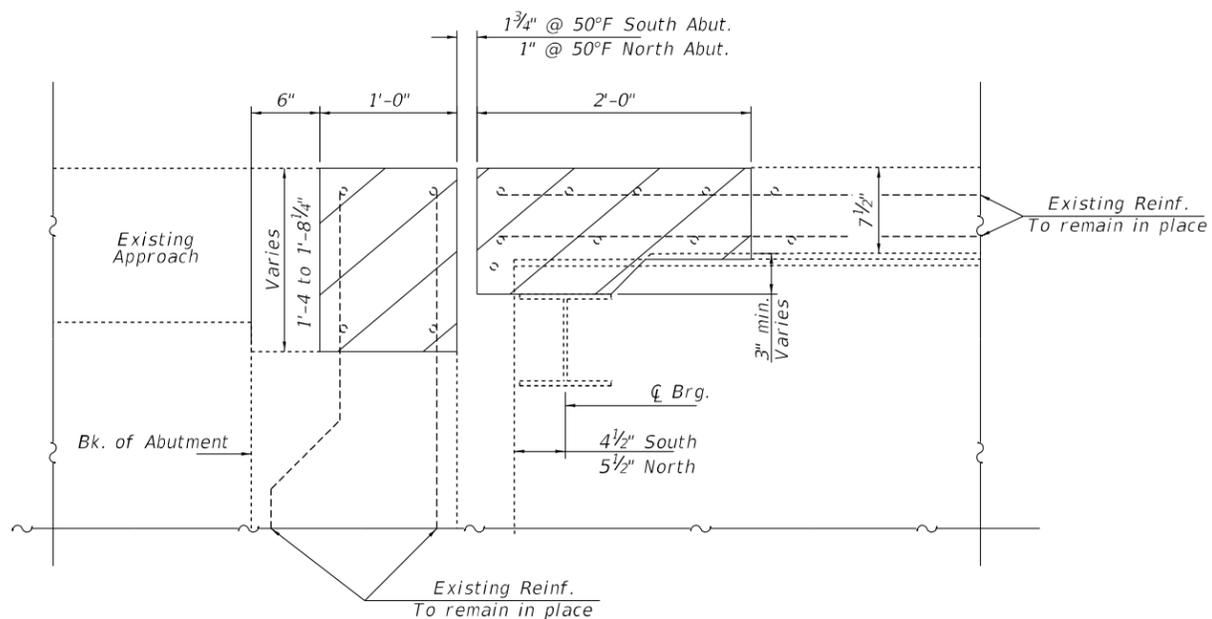
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXPANSION JOINT REPLACEMENT DETAIL  
S.N. 093-0020**

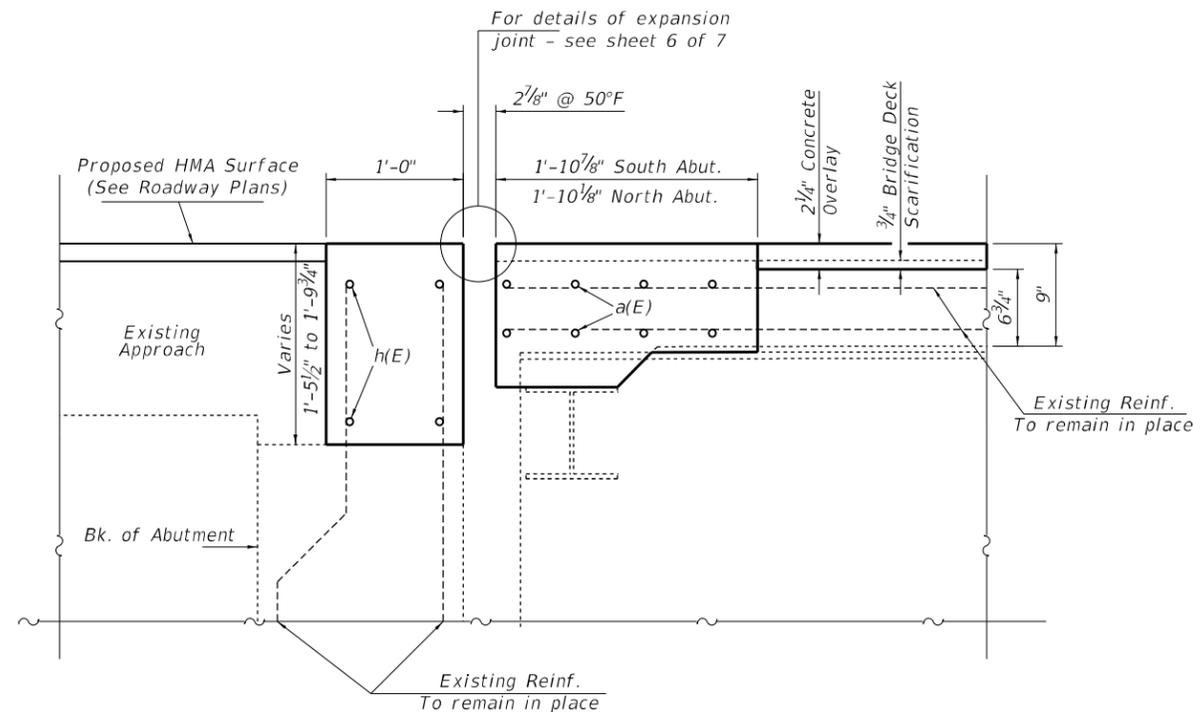
SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(103, 102, 103)RS-3	WABASH	73	51
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				

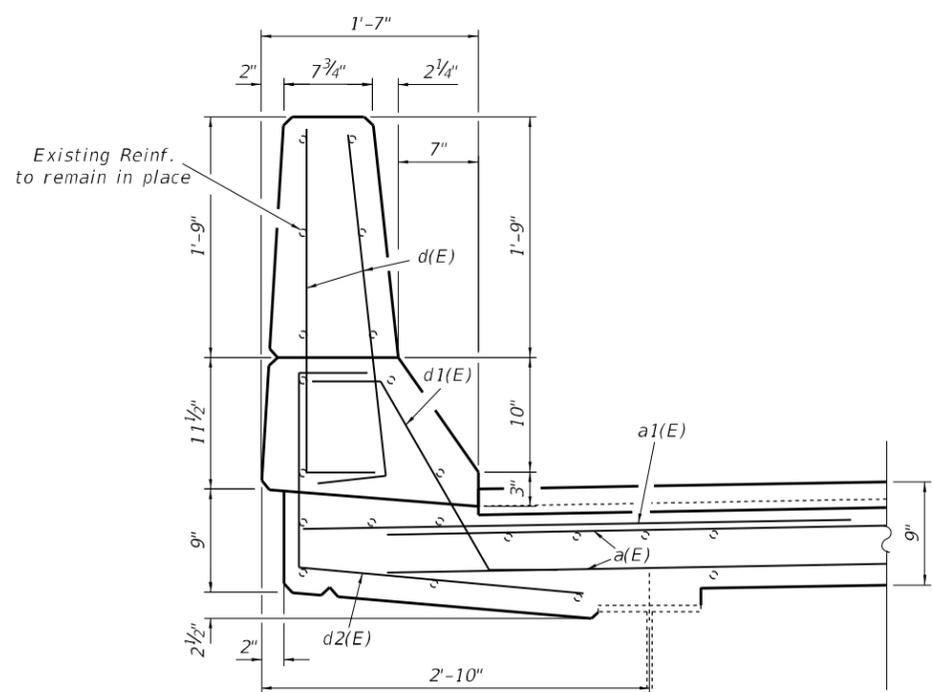
Note: Hatched area indicates removal.



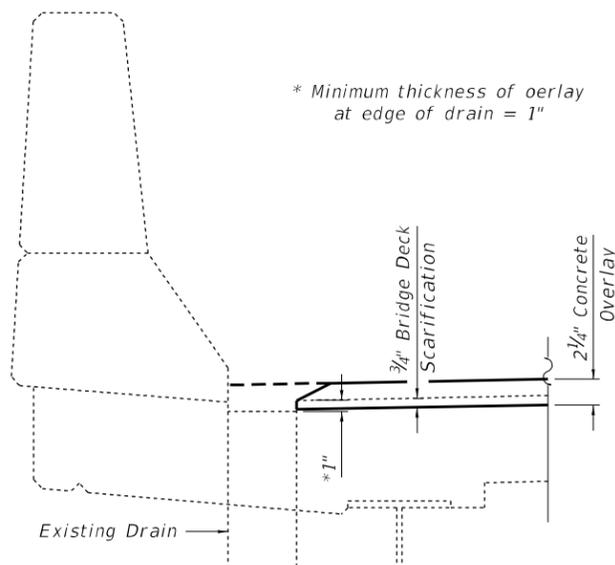
SECTION A-A



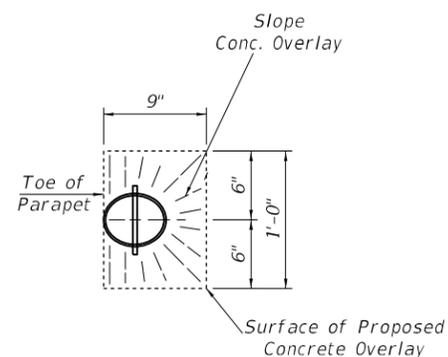
SECTION B-B



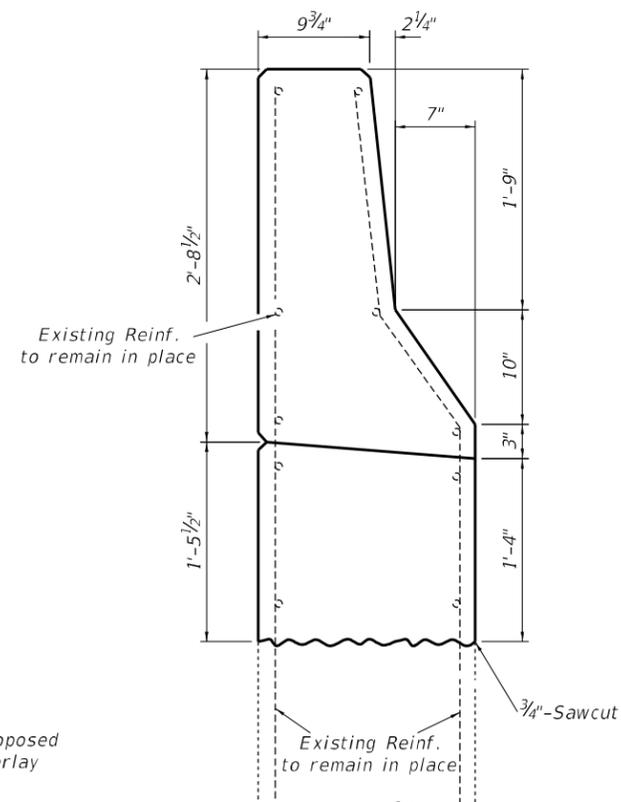
SECTION THRU PARAPET



FLOOR DRAIN PRESERVATION



TOP PLAN OF FLOOR DRAIN



SECTION THRU WING WALL

MODEL: Default  
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 OFFICE: DISTRICT 7 PROJECTS  
 USER: STEFFENM  
 PLOT DATE: 1/21/2021

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PLOT SCALE = 100,0000' / in.	DRAWN - T. Walk	REVISED -
PLOT DATE = 1/21/2021	CHECKED - D. Macklin	REVISED -
	DATE - June 2020	REVISED -

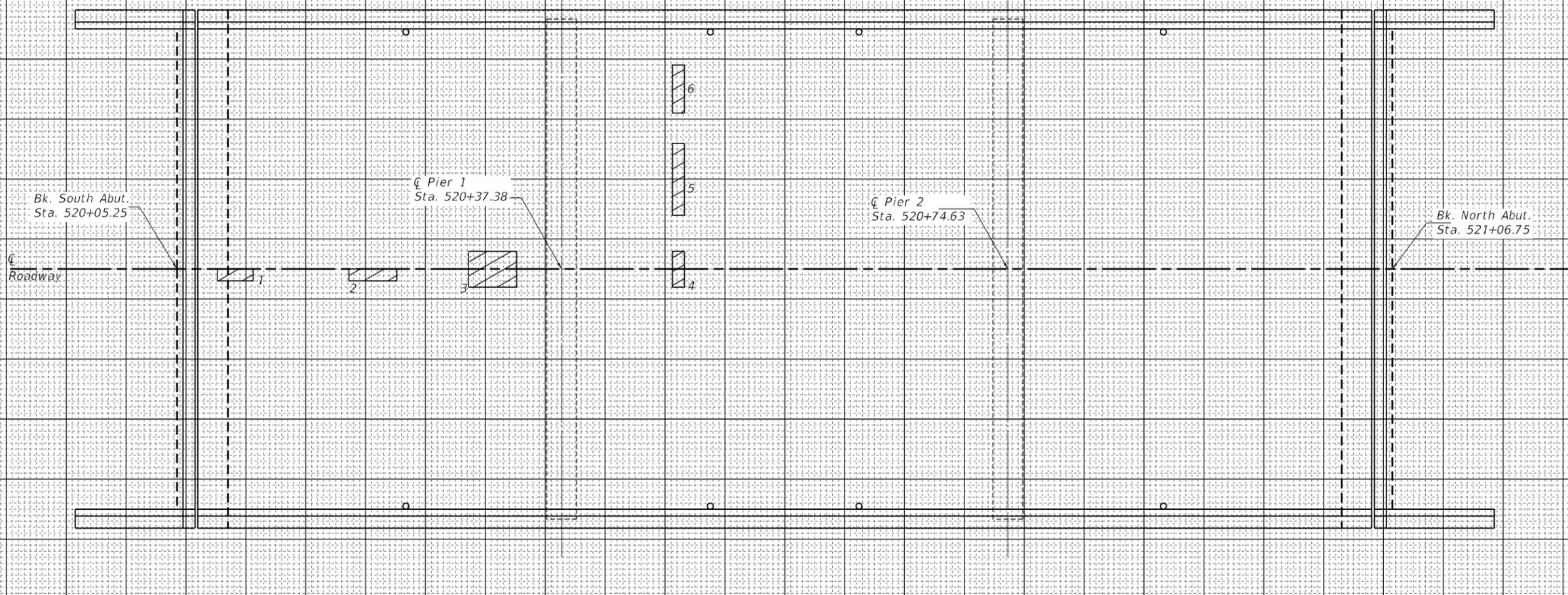
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAIL  
S.N. 093-0020

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(103, 102, 103)RS-3	WABASH	73	52
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				

093-0020 Bridge Deck Patching



PATCH NO.	SIZE		DECK SLAB REPAIR (FD TY I)	DECK SLAB REPAIR (FD TY II)
	LENGTH	WIDTH	SQ YD	SQ YD
1	3.0	1.0	0.3	
2	4.0	1.0	0.4	
3	4.0	3.0		1.3
4	1.0	3.0	0.3	
5	1.0	6.0		0.7
6	1.0	4.0	0.4	
TOTALS			1.6	2.0
ROUND TO:			2.0	2.0

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



DATE OF SURVEY: 12-03-2019  
 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 II) = 2 SQ YD

MODEL: Default  
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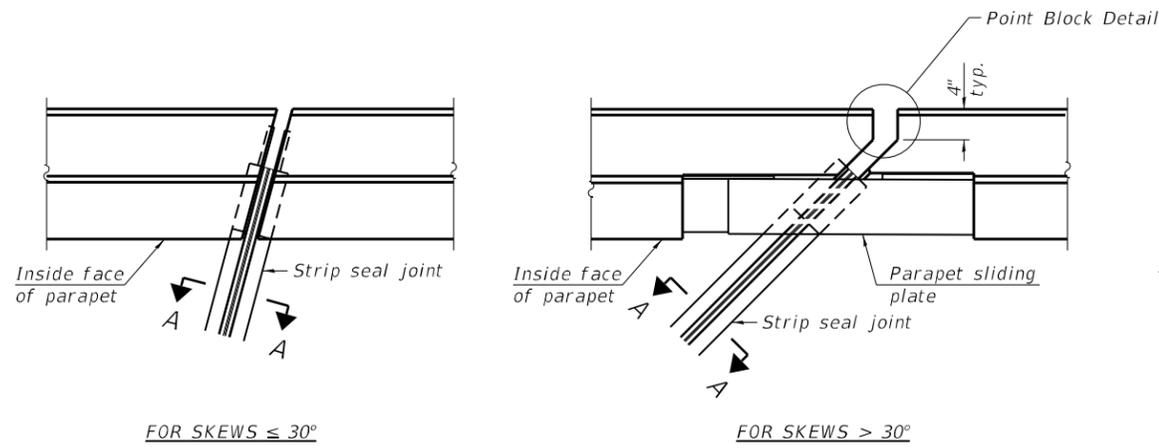
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PLOT SCALE = 100,0000' / in.	CHECKED - D. Macklin	REVISED -
PLOT DATE = 1/21/2021	DATE - June 2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

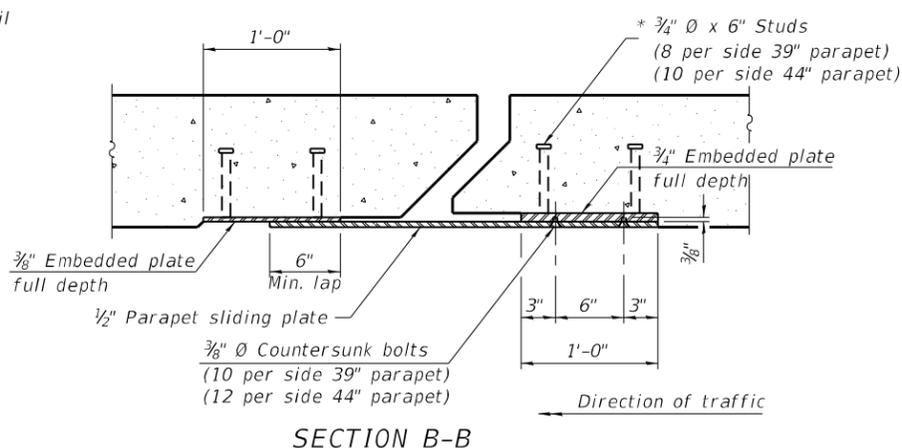
**BRIDGE DECK PATCHING  
 SN. 093-0020**

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

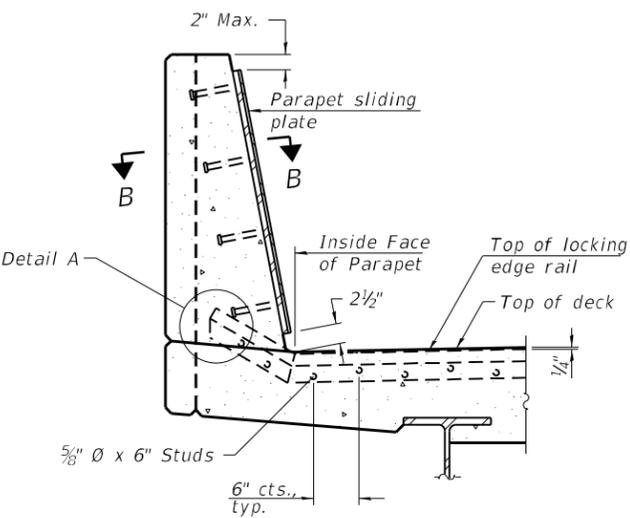
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(103, 102, 103)RS-3	WABASH	73	53
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				



PLAN AT PARAPET

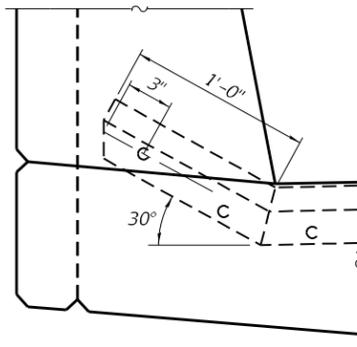


SECTION B-B

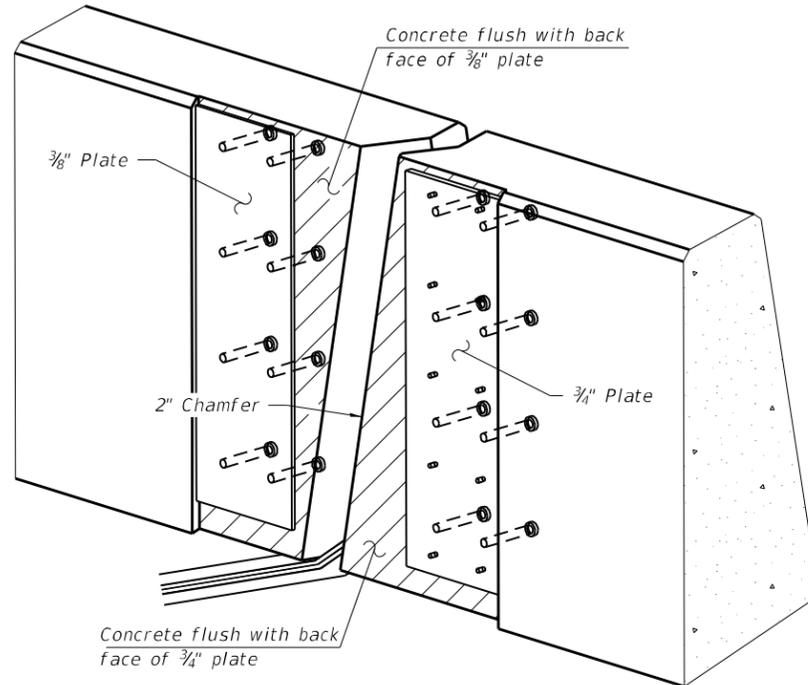


SECTION AT PARAPET

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

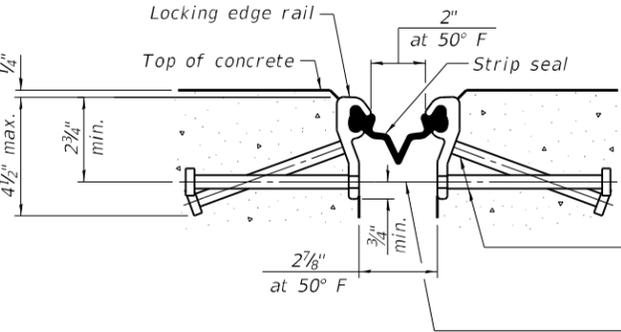


DETAIL A



TRIMETRIC VIEW

(Showing embedded plates only)



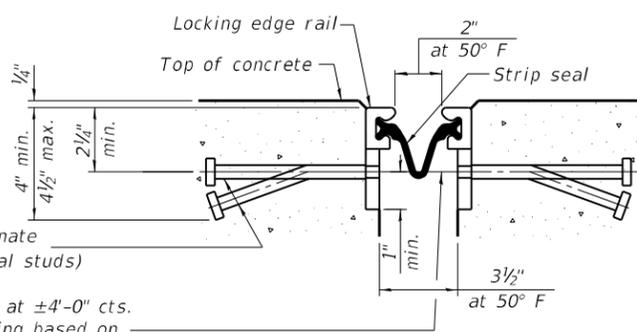
SHOWING ROLLED RAIL JOINT

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

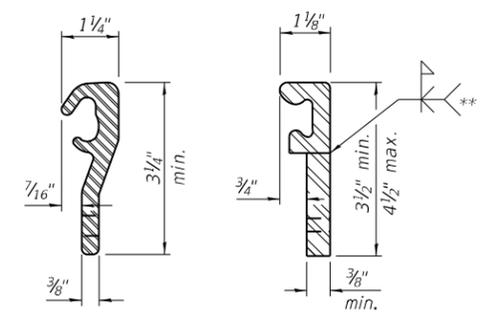
3/8" Ø threaded rods in 7/16" Ø holes at ±4'-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

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

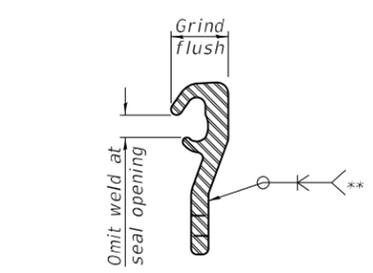


SHOWING WELDED RAIL JOINT



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	84

EJ-SS

1-1-2020

USER NAME = stefenmk	DESIGNED - T. Walk	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - T. Walk	REVISED -
PLOT DATE = 1/21/2021	CHECKED - D. Macklin	REVISED -
	DATE - June 2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL  
S.N. 093-0020

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(103, 102, 103)RS-3	WABASH	73	54
			CONTRACT NO. 74939	
ILLINOIS FED. AID PROJECT				

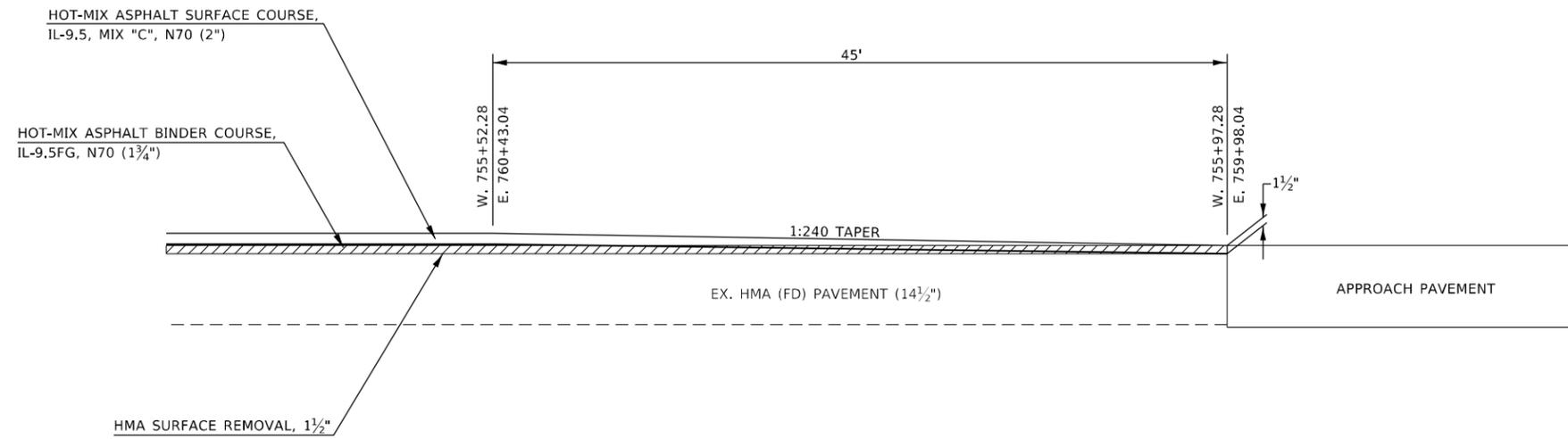
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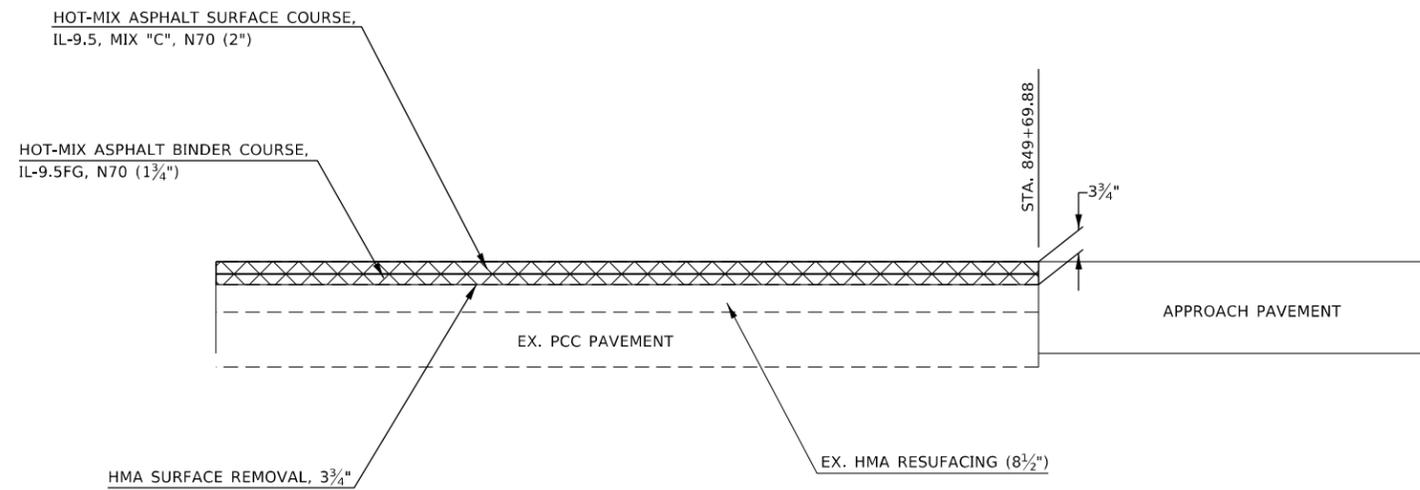




PAVING TRANSITION, S.N. 093-0023



PAVING TRANSITION, S.N. 093-0026



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	DRAWN -	REVISED -
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PLOT DATE = 1/21/2021	DATE -	REVISED -

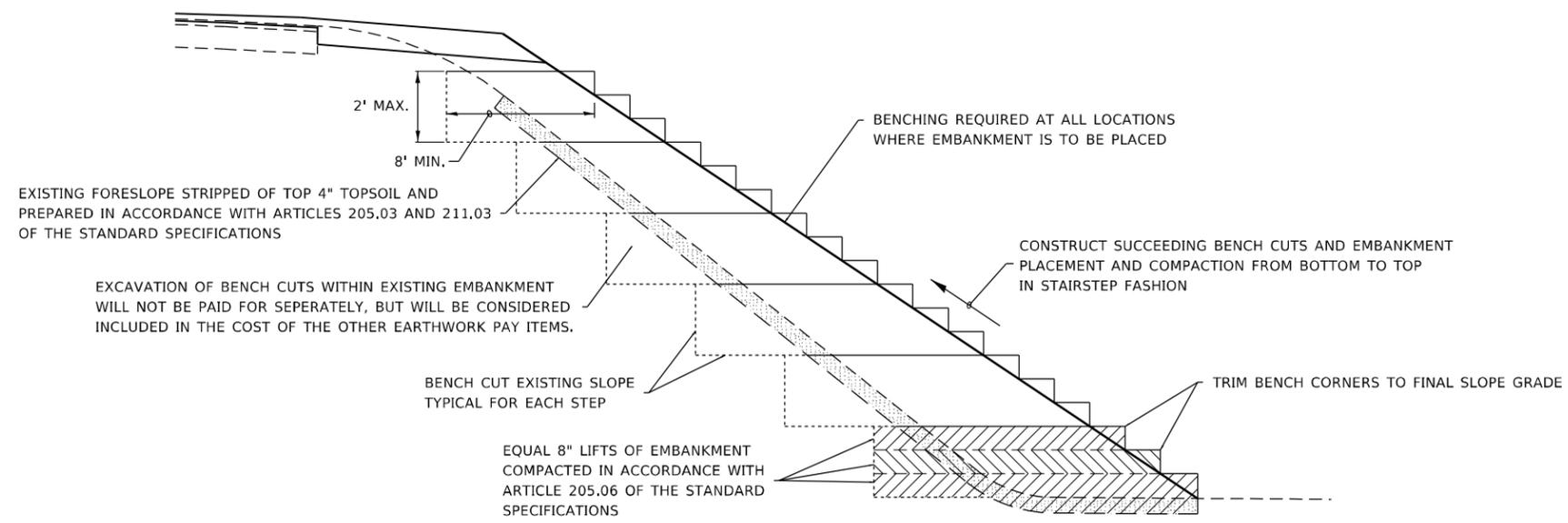
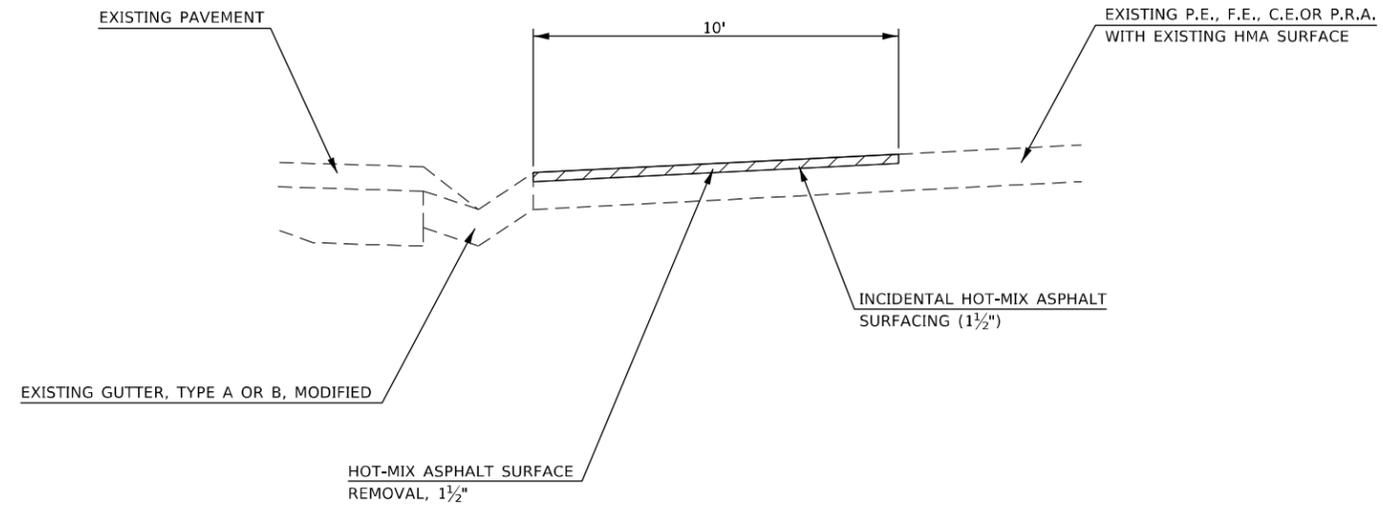
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT  
DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	58
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	

**INCIDENTAL HOT-MIX ASPHALT SURFACING  
IN GUTTER SECTION**



**TYPICAL BENCHING FOR EMBANKMENTS DETAIL  
(NOT TO SCALE)**

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	DRAWN -	REVISED -
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PLOT DATE = 1/21/2021	DATE -	REVISED -

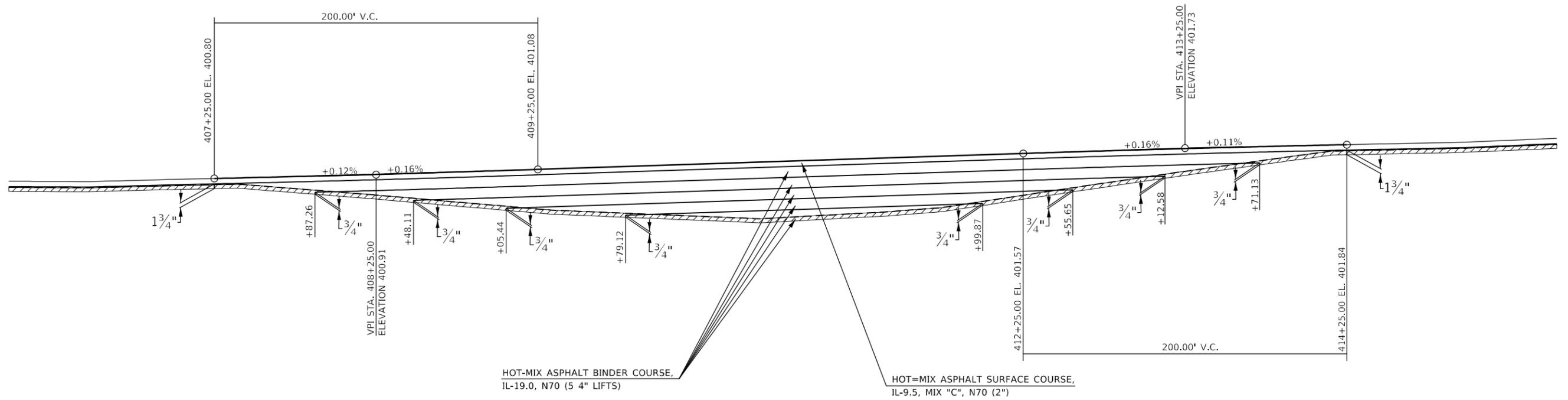
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT  
DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	59
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				

PROFILE ADJUSTMENT DETAIL



 HOT=MIX ASPHALT SURFACE REMOVAL, 1 1/2"

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 PROJECT: 174939\CA00Data\CAD\Drawings\74939-51c-deta11.dwg

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	DRAWN -	REVISED -
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PLOT DATE = 1/21/2021	DATE -	REVISED -

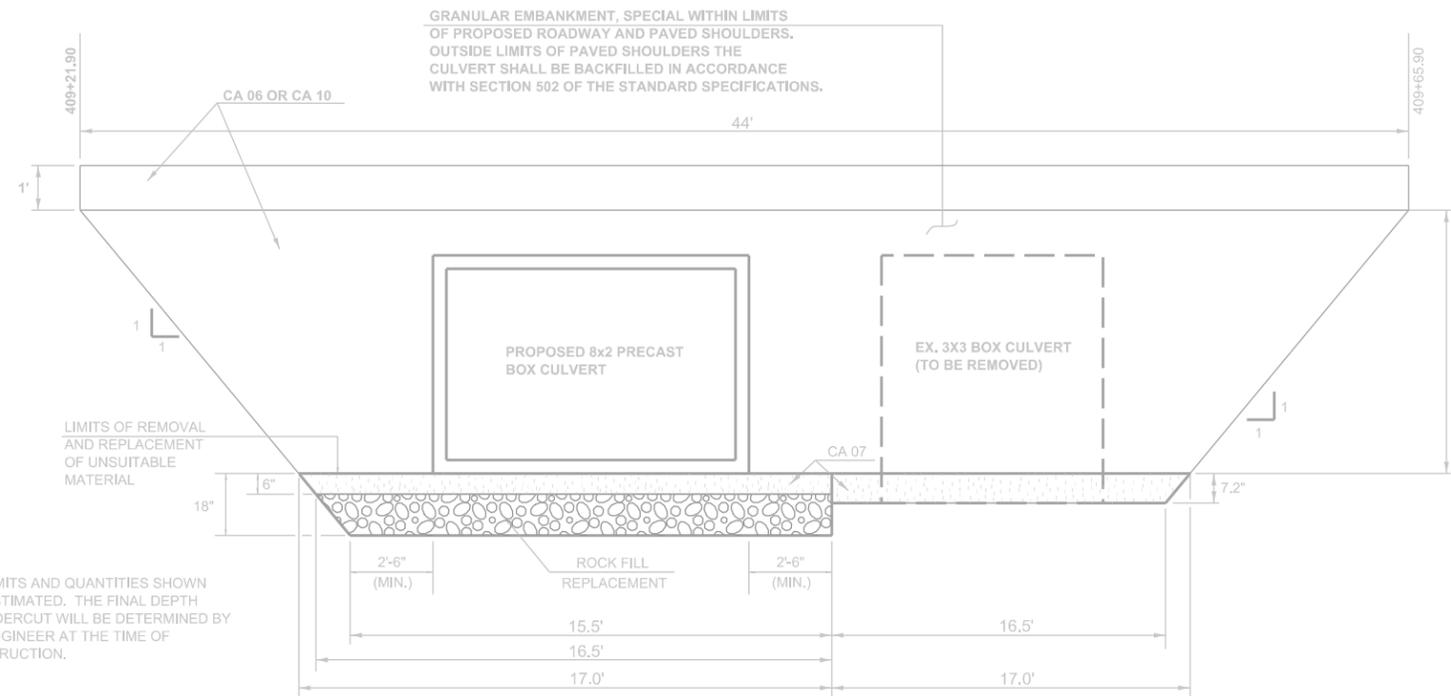
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROFILE ADJUSTMENT  
 PAVING DETAIL

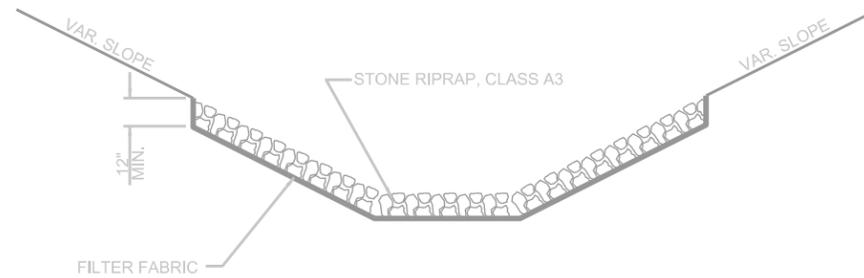
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)R5-3	WABASH	73	60
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	

GRANULAR EMBANKMENT, SPECIAL & CULVERT UNDERCUT DETAIL



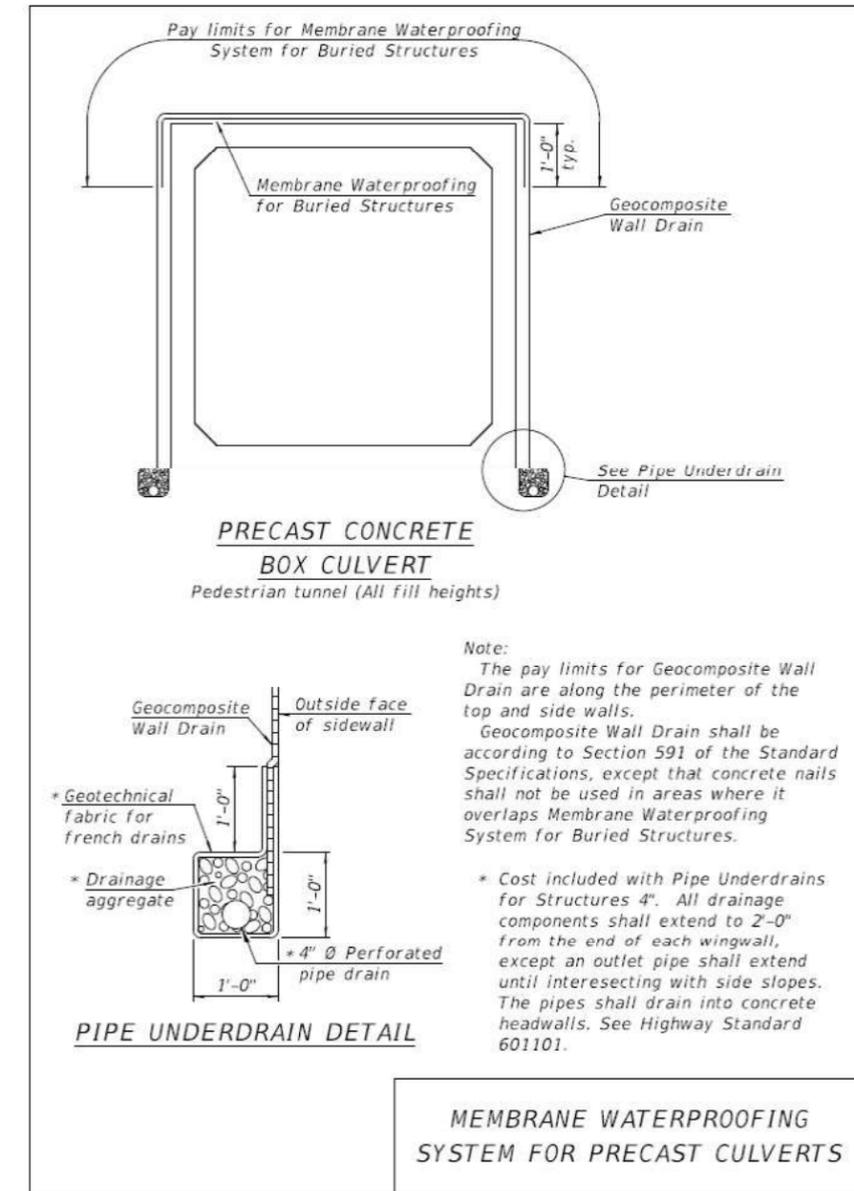
**NOTE:**  
THE LIMITS AND QUANTITIES SHOWN ARE ESTIMATED. THE FINAL DEPTH OF UNDERCUT WILL BE DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION.



DETAIL OF RIPRAP, CLASS A3

GENERAL NOTES

- The design fill height for this box is  $\frac{1}{2}$  ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
- Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
- The 6 in. thick layer of porous granular material required for the precast concrete box culvert per Art. 540.06 of the Standard Specifications shall also apply to the end sections. Cost of the porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.
- Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
- Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment below the top of the box culvert extending to a vertical plane 2 ft from the exterior sides of the culvert, 2 ft from the back face of the end sections, and not closer than 2 ft from the face of embankment.



MODEL: ANODEL.NAMES  
FILE NAME: SFEELS

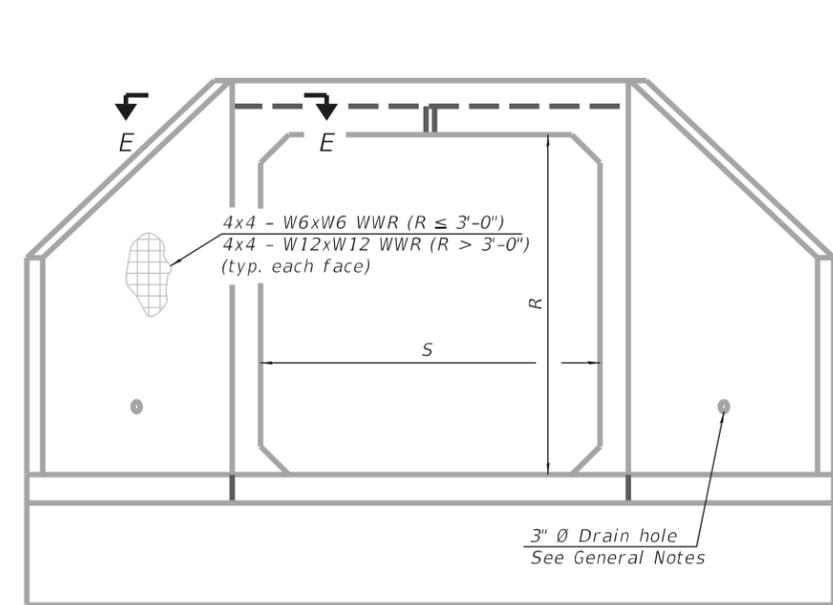
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PLOT DATE = SDATES	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

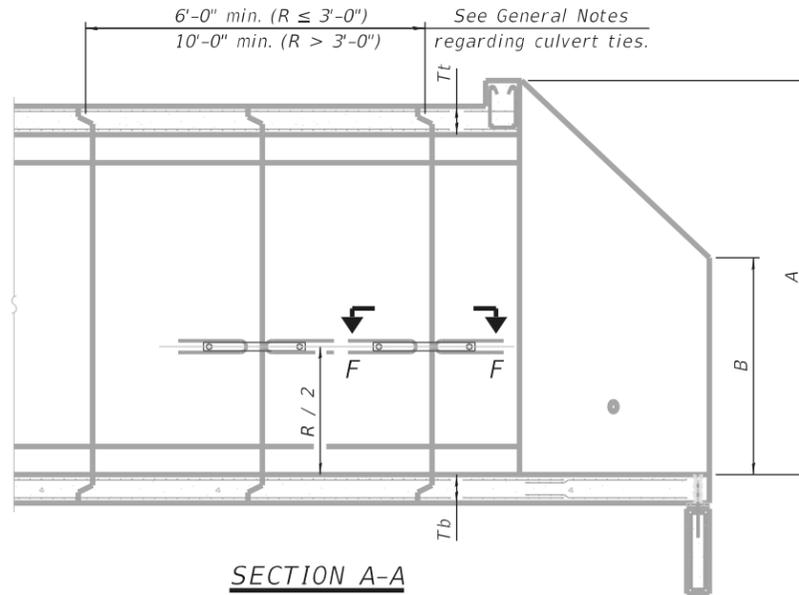
**BOX CULVERT DETAILS**

SCALE: SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	61
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74939	



END VIEW



SECTION A-A

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

The Contractor may furnish the end section as a single precast concrete piece or construct the end section in the field using cast-in-place (CIP) construction. For CIP construction, the bottom slab thickness shall be increased by 2" and the clear cover to the bottom mat of reinforcement shall be increased to 3".

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

The number of culvert ties shall be sufficient to engage the minimum length of culvert barrel shown within the pay limits for Precast Concrete Box Culverts and will be dependent upon the length of box culvert segments furnished by the Contractor. Culvert ties are not required for box culverts having a rise (R) less than or equal to 3 ft and a span (S) greater than or equal to 10 ft.

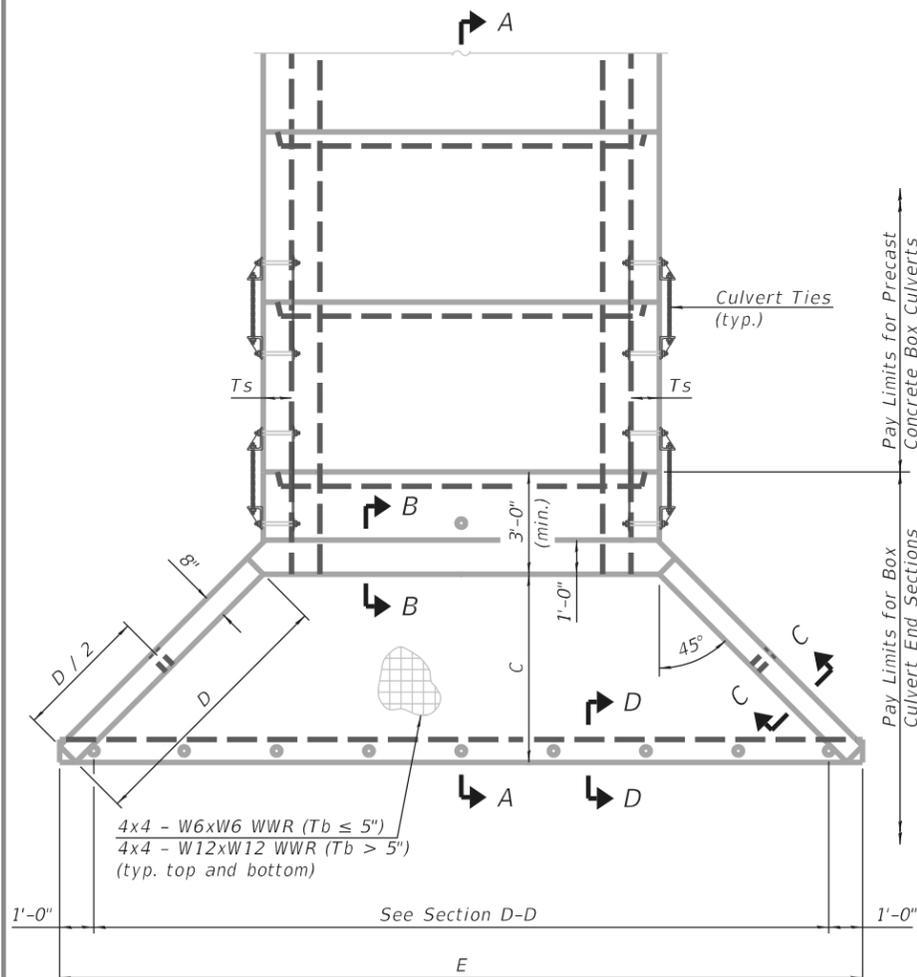
All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the unit price for Box Culvert End Sections of the culvert number specified.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2". For the precast option, it shall be the Contractor's responsibility for determining a method of handling and a construction procedure shall be included on the shop drawings. The Contractor shall determine and detail in the shop drawings any necessary strengthening or stiffening provisions necessary to handle the precast segment. Any required modifications shall be at no extra charge.

The Contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

Reinforcement (circumferential and longitudinal) in the culvert barrel portion of the end section being lapped with reinforcement from the wingwalls or bottom slab of the end section shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within the lower 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.



PLAN

APRON END SECTION DIMENSIONS

Span (S)	Rise (R)	Tt	Tb	Ts	A	B	C	D	E	Concrete Cu. Yd.	Culvert Ties Required
3'-0"	2'-0"	7"	6"	4"	3'-4"	2'-2"	2'-10 1/8"	4'-1"	10'-4 7/8"	2.8	Yes
3'-0"	2'-0"	4"	4"	4"	3'-1"	2'-1"	2'-7 7/8"	3'-9"	9'-11"	2.3	Yes
3'-0"	3'-0"	7"	6"	4"	4'-4"	2'-8"	3'-10 5/8"	5'-6"	12'-4 5/8"	3.7	Yes
3'-0"	3'-0"	4"	4"	4"	4'-1"	2'-7"	3'-7 7/8"	5'-2"	11'-11"	3.1	Yes
4'-0"	2'-0"	7.5"	6"	5"	3'-4 1/2"	2'-2 1/2"	2'-11 3/8"	4'-2"	11'-8"	3.3	Yes
4'-0"	2'-0"	5"	5"	5"	3'-2"	2'-1"	2'-8 1/2"	3'-10"	11'-2 3/8"	2.8	Yes
4'-0"	3'-0"	7.5"	6"	5"	4'-4 1/2"	2'-8 1/2"	3'-11 3/8"	5'-7"	13'-8 1/8"	4.2	Yes
4'-0"	3'-0"	5"	5"	5"	4'-2"	2'-7"	3'-8 1/2"	5'-3"	13'-2 3/8"	3.7	Yes
4'-0"	4'-0"	7.5"	6"	5"	5'-4 1/2"	3'-2 1/2"	4'-11 3/8"	7'-0"	15'-8 1/8"	5.3	Yes
4'-0"	4'-0"	5"	5"	5"	5'-2"	3'-1"	4'-8 3/8"	6'-8"	15'-2 1/2"	4.7	Yes
5'-0"	2'-0"	8"	7"	6"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	12'-10"	3.9	Yes
5'-0"	2'-0"	6"	6"	6"	3'-3"	2'-2"	2'-10"	4'-0"	12'-7 1/4"	3.5	Yes
5'-0"	3'-0"	8"	7"	6"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	14'-10 1/4"	4.9	Yes
5'-0"	3'-0"	6"	6"	6"	4'-3"	2'-8"	3'-10"	5'-5"	14'-7 1/4"	4.5	Yes
5'-0"	4'-0"	8"	7"	6"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	16'-10 1/8"	6.1	Yes
5'-0"	4'-0"	6"	6"	6"	5'-3"	3'-2"	4'-9 1/4"	6'-9"	16'-5 1/8"	5.5	Yes
5'-0"	5'-0"	8"	7"	6"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	18'-10 1/8"	7.4	Yes
5'-0"	5'-0"	6"	6"	6"	6'-3"	3'-8"	5'-9 1/4"	8'-2"	18'-5 1/8"	6.8	Yes
6'-0"	2'-0"	8"	7"	7"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	14'-0"	4.3	Yes
6'-0"	2'-0"	7"	7"	7"	3'-4"	2'-2"	2'-10 3/8"	4'-1"	13'-10 3/8"	4.2	Yes
6'-0"	3'-0"	8"	7"	7"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	16'-0 1/8"	5.4	Yes
6'-0"	3'-0"	7"	7"	7"	4'-4"	2'-8"	3'-10 5/8"	5'-6"	15'-10 5/8"	5.2	Yes
6'-0"	4'-0"	8"	7"	7"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	18'-0 1/8"	6.5	Yes
6'-0"	4'-0"	7"	7"	7"	5'-4"	3'-2"	4'-10 3/8"	6'-11"	17'-10 3/8"	6.5	Yes
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6'-0"	5'-0"	7"	7"	7"	6'-4"	3'-8"	5'-10 3/8"	8'-4"	19'-10 3/8"	7.8	Yes
6'-0"	6'-0"	8"	7"	7"	7'-5"	4'-3"	6'-11 3/8"	9'-10"	22'-0 1/8"	9.5	Yes
6'-0"	6'-0"	7"	7"	7"	7'-4"	4'-2"	6'-10 3/8"	9'-9"	21'-10 3/8"	9.3	Yes
7'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	15'-2"	4.9	Yes
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7'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	19'-2 1/2"	7.4	Yes
7'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	21'-2 1/2"	8.9	Yes
7'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 3/8"	9'-10"	23'-2 1/2"	10.6	Yes
8'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	16'-2"	5.3	Yes
8'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	18'-2 1/2"	6.5	Yes
8'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	20'-2 1/2"	7.8	Yes
8'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	22'-2 1/2"	9.3	Yes
8'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	24'-2 1/2"	11.0	Yes
9'-0"	2'-0"	9"	9"	9"	3'-6"	2'-3"	3'-0 3/4"	4'-4"	17'-6 3/4"	6.2	Yes
9'-0"	3'-0"	9"	9"	9"	4'-6"	2'-9"	4'-0 3/4"	5'-9"	19'-6 3/8"	7.5	Yes
9'-0"	4'-0"	9"	9"	9"	5'-6"	3'-3"	5'-0 3/4"	7'-2"	21'-6 3/8"	9.0	Yes
9'-0"	5'-0"	9"	9"	9"	6'-6"	3'-9"	6'-0 3/8"	8'-7"	23'-7"	10.6	Yes
9'-0"	6'-0"	9"	9"	9"	7'-6"	4'-3"	7'-0 3/8"	9'-11"	25'-5 3/8"	12.4	Yes
10'-0"	2'-0"	10"	10"	10"	3'-7"	2'-4"	3'-1 1/2"	4'-5"	18'-10 1/4"	7.1	No
10'-0"	3'-0"	10"	10"	10"	4'-7"	2'-10"	4'-1 1/2"	5'-10"	20'-10 1/4"	8.6	No
10'-0"	4'-0"	10"	10"	10"	5'-7"	3'-4"	5'-1 1/2"	7'-3"	22'-10 3/8"	10.2	Yes
10'-0"	5'-0"	10"	10"	10"	6'-7"	3'-10"	6'-1 1/2"	8'-8"	24'-10 3/8"	12.0	Yes
10'-0"	6'-0"	10"	10"	10"	7'-7"	4'-4"	7'-1 1/2"	10'-1"	26'-10 3/8"	13.9	Yes
11'-0"	2'-0"	11"	11"	11"	3'-8"	2'-4"	3'-2 3/8"	4'-7"	20'-3 3/8"	8.2	No
11'-0"	3'-0"	11"	11"	11"	4'-8"	2'-10"	4'-2 3/8"	6'-0"	22'-3 3/8"	9.8	No
11'-0"	4'-0"	11"	11"	11"	5'-8"	3'-4"	5'-2 1/4"	7'-4"	24'-1 3/4"	11.5	Yes
11'-0"	5'-0"	11"	11"	11"	6'-8"	3'-10"	6'-2 1/4"	8'-9"	26'-1 3/4"	13.3	Yes
11'-0"	6'-0"	11"	11"	11"	7'-8"	4'-4"	7'-2 1/4"	10'-2"	28'-1 1/8"	15.5	Yes
12'-0"	2'-0"	12"	12"	12"	3'-9"	2'-5"	3'-3 3/8"	4'-8"	21'-6 1/2"	9.3	No
12'-0"	3'-0"	12"	12"	12"	4'-9"	2'-11"	4'-3 3/8"	6'-1"	23'-6 1/2"	11.1	No
12'-0"	4'-0"	12"	12"	12"	5'-9"	3'-5"	5'-3 3/8"	7'-6"	25'-6 3/8"	13.0	Yes
12'-0"	5'-0"	12"	12"	12"	6'-9"	3'-11"	6'-3 3/8"	8'-11"	27'-6 3/8"	14.1	Yes
12'-0"	6'-0"	12"	12"	12"	7'-9"	4'-5"	7'-3 3/8"	10'-4"	29'-6 3/8"	17.4	Yes

Note:

Two sets of apron end section dimensions are shown above for some box culvert sizes due to the top and bottom slabs having different thicknesses per ASTM C 1577 for design fill heights less than 2 ft.

(Sheet 1 of 2)

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FILE NAME: SFLELS

SCB-AES

2-17-2017

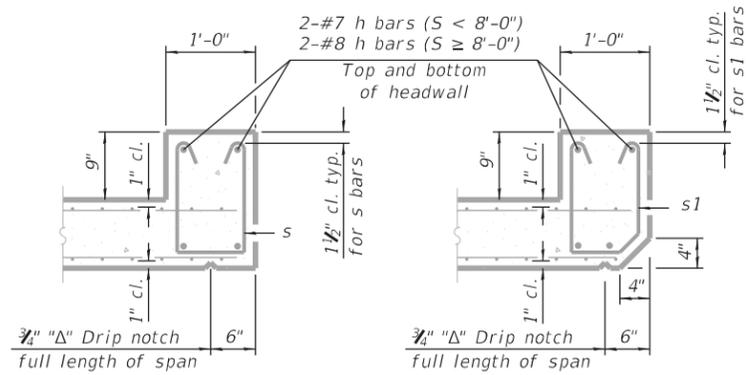
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	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE BOX CULVERT APRON END  
SECTION DETAILS - STRUCTURE NO. 012-8658

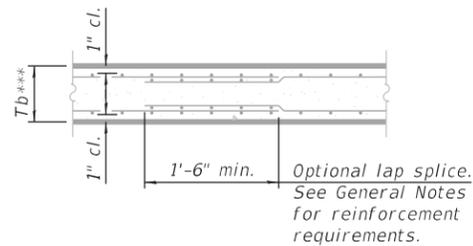
F.A.P. RTE. 332	SECTION (101,102,103)RS-3	COUNTY Wabash	TOTAL SHEETS 73	SHEET NO. 61 A
CONTRACT NO. 74939				ILLINOIS FED. AID PROJECT

SCALE: SHEET 7 OF 8 SHEETS STA. TO STA.



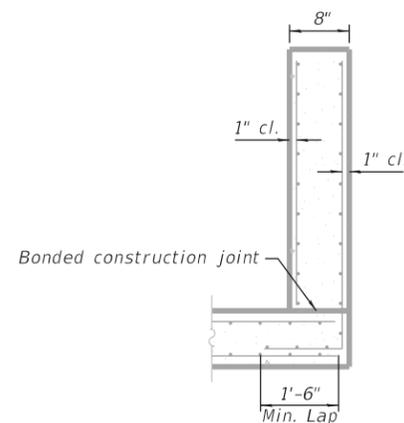
**SECTION B-B**  
(Top slab at downstream end)

**SECTION B-B**  
(Top slab at upstream end)

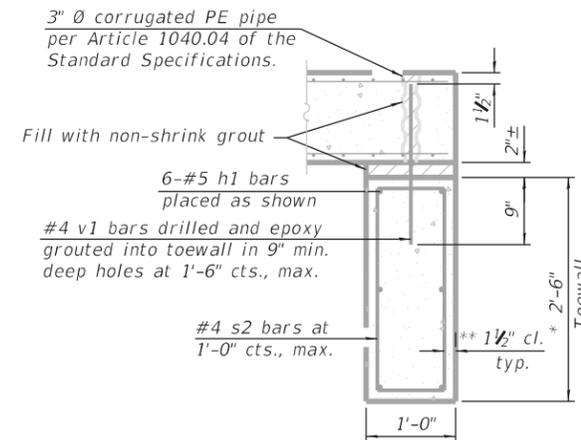


**SECTION B-B**  
(Bottom Slab)

\*\*\* This dimension shall be increased by 2" for CIP construction.



**SECTION C-C**



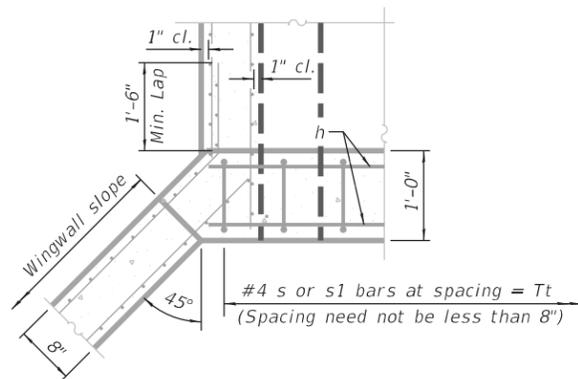
**SECTION D-D**

**TOEWALL CONSTRUCTION SEQUENCE**

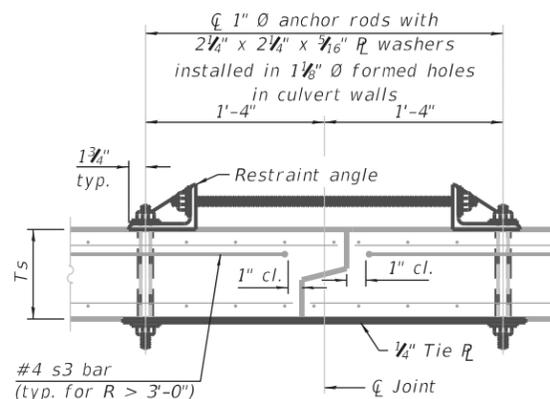
1. Perform excavation and construct toewall.
2. Backfill accordingly and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

\* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

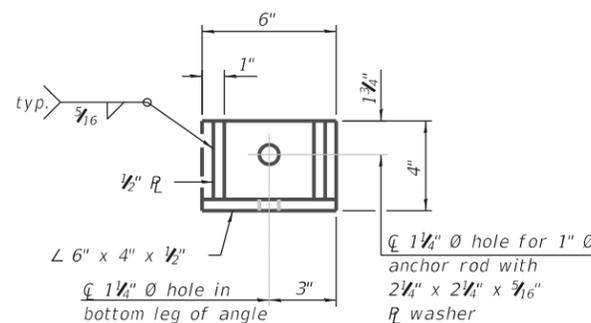
\*\* If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.



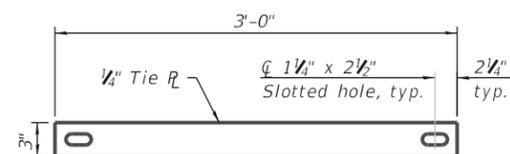
**SECTION E-E**



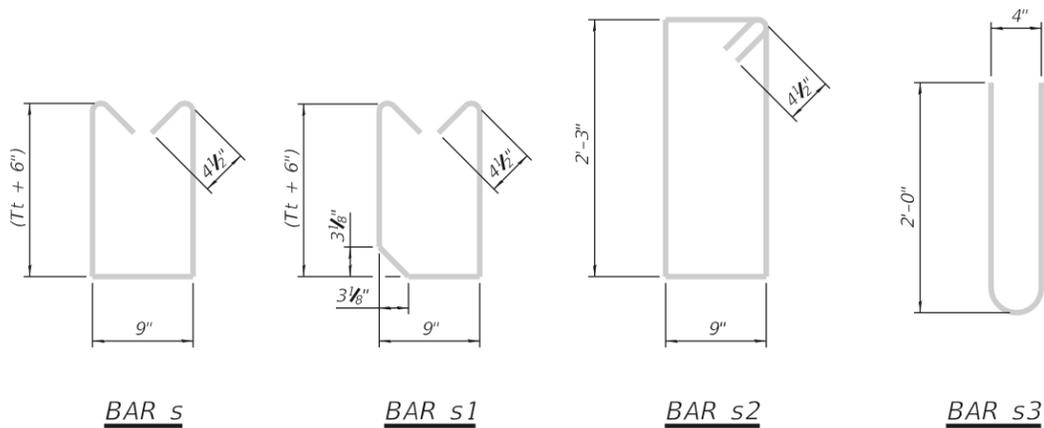
**SECTION F-F**  
(Showing culvert tie details)



**RESTRAINT ANGLE DETAIL**



**TIE PLATE DETAIL**



**BAR s**

**BAR s1**

**BAR s2**

**BAR s3**

SCB-AES

2-17-2017

(Sheet 2 of 2)

MODEL: SPODELMAMES  
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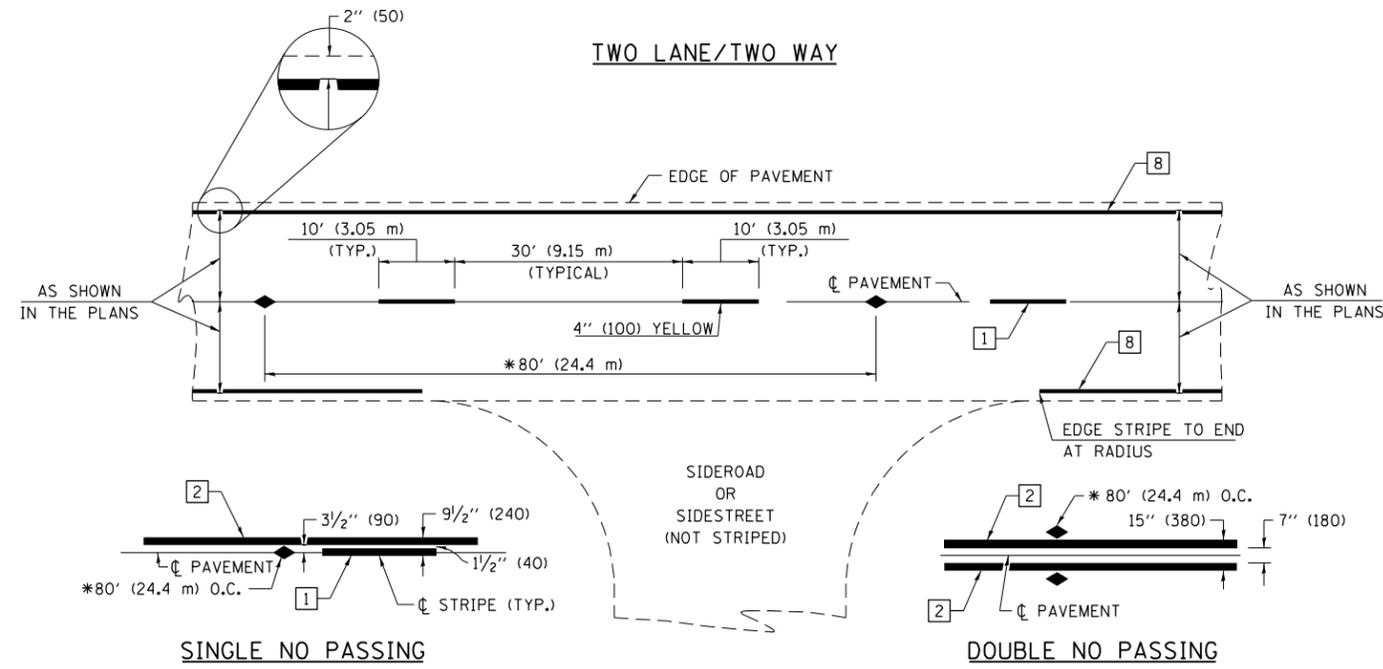
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PLOT DATE = SDATES	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**PRECAST CONCRETE BOX CULVERT APRON END  
SECTION DETAILS - STRUCTURE NO. 012-8658**

SCALE: SHEET OF SHEETS STA. TO STA.

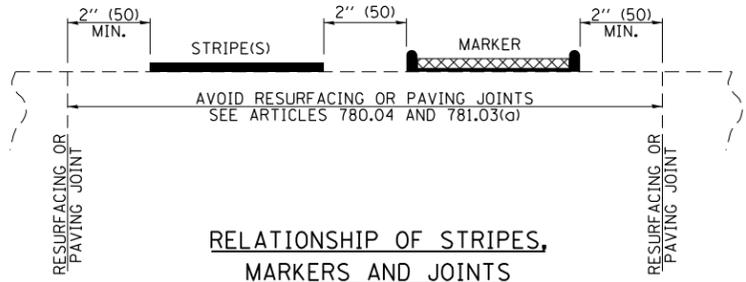
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



\* 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

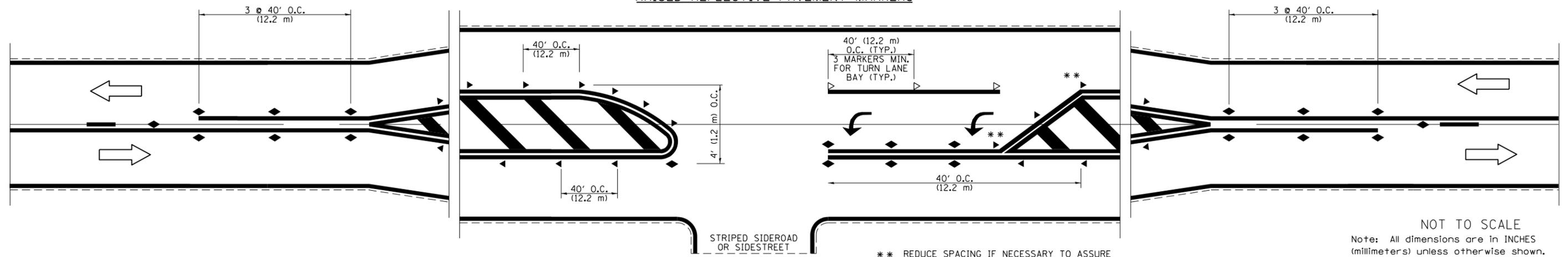


RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

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. 7800001

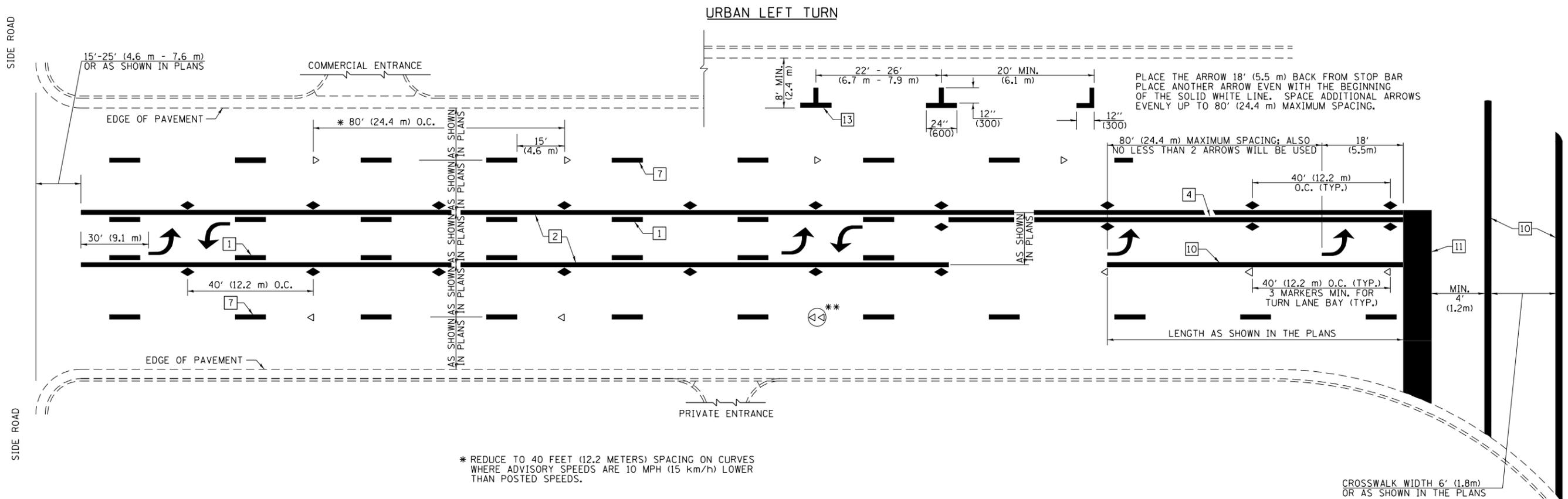
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		DATE -	REVISED -

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.
332	(101,102,103)RS-3	WABASH	73	62
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				

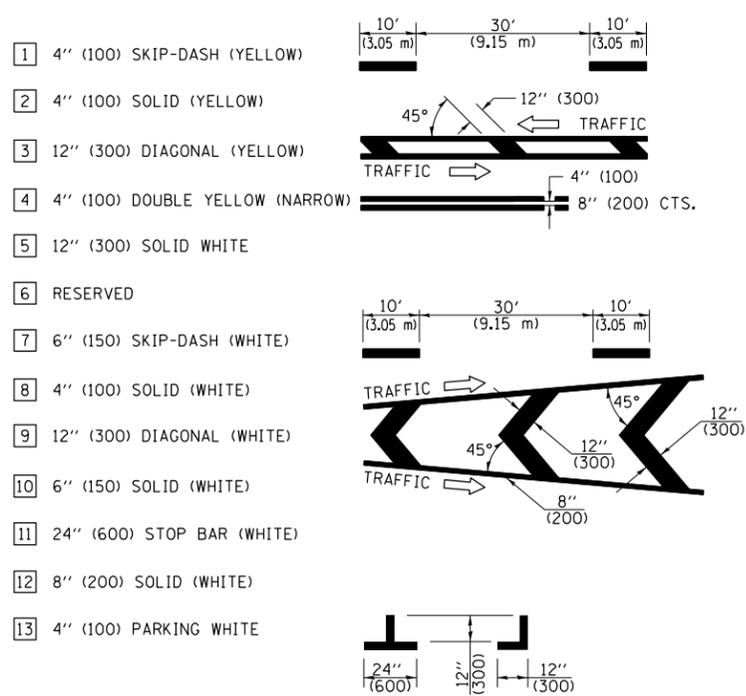
SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.



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

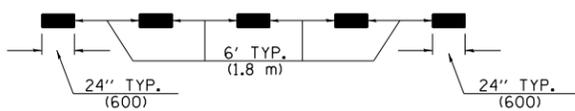
\*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

**PAVEMENT MARKING LEGEND**

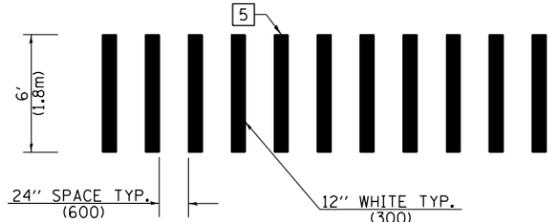


**GENERAL NOTES**

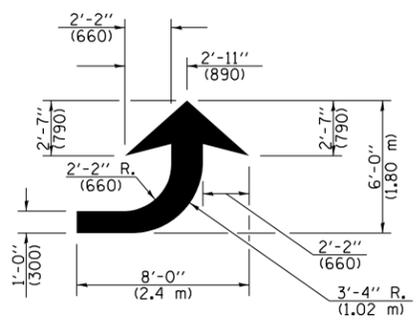
- TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
- THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT 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**

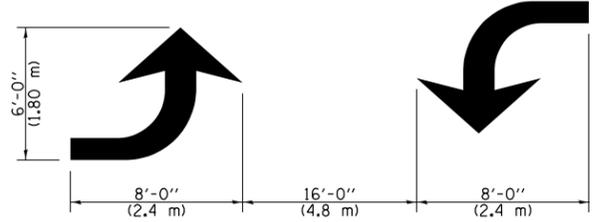


**CROSSWALK DETAIL (DECATUR CITY LIMITS ONLY)**



**LEFT ARROW**

REVERSE FOR RIGHT ARROW  
AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>)  
(WHITE)



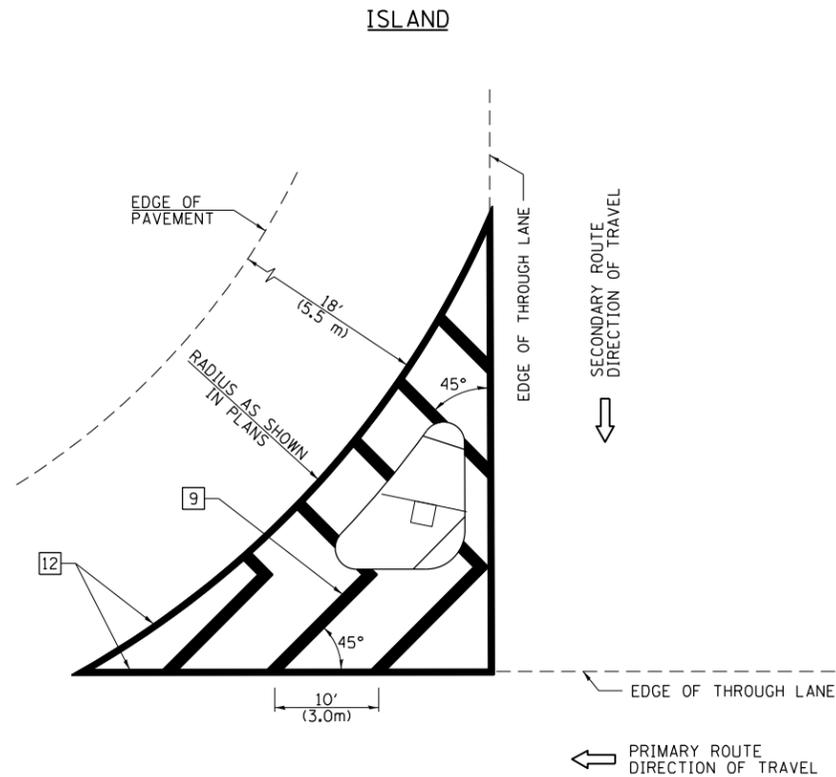
**TYPICAL DOUBLE TURN ARROWS (WHITE)**

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 -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		PLOT SCALE = 100.0000' / in.	REVISED -			CONTRACT NO. 74939					
		PLOT DATE = 1/21/2021	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:		SHEET NO. 2 OF 4 SHEETS		STA.		TO STA.	

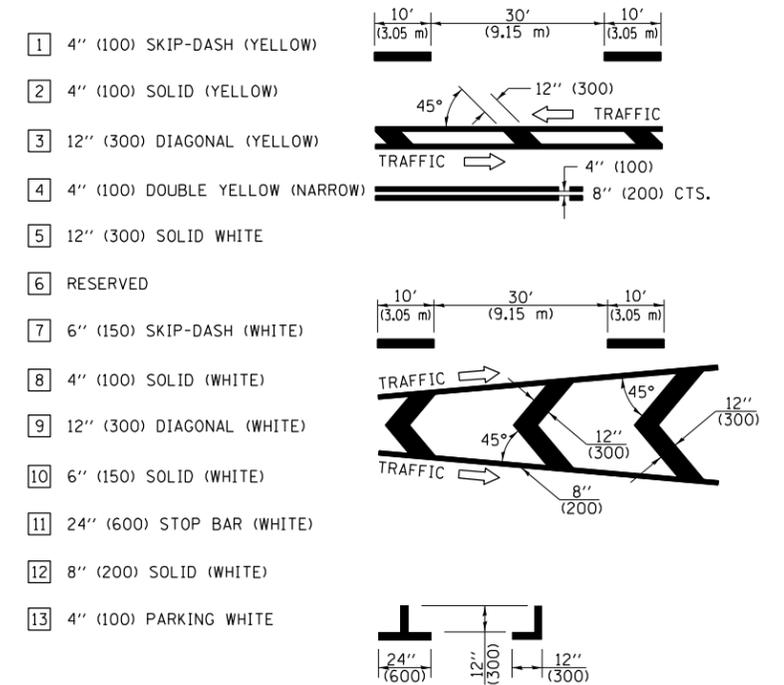


**GENERAL NOTES**

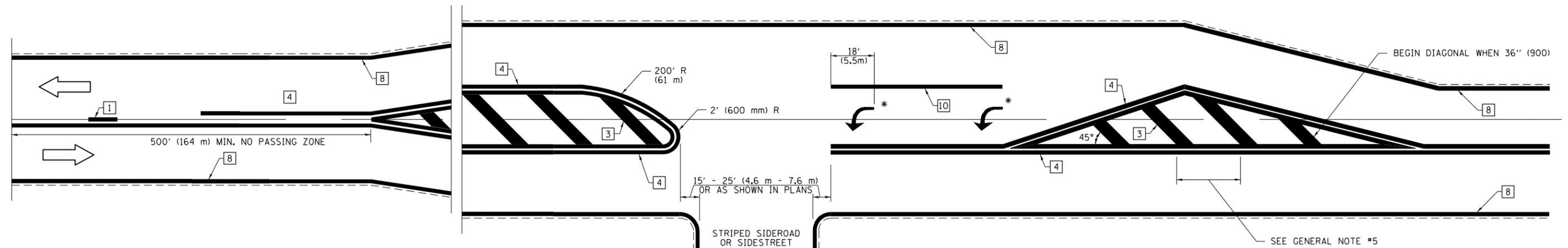
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING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

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	PLOT DATE = 1/21/2021	DATE -	REVISED -

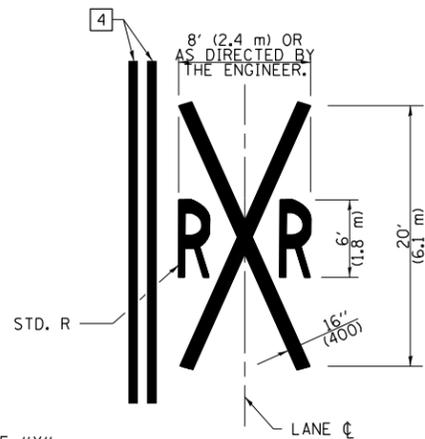
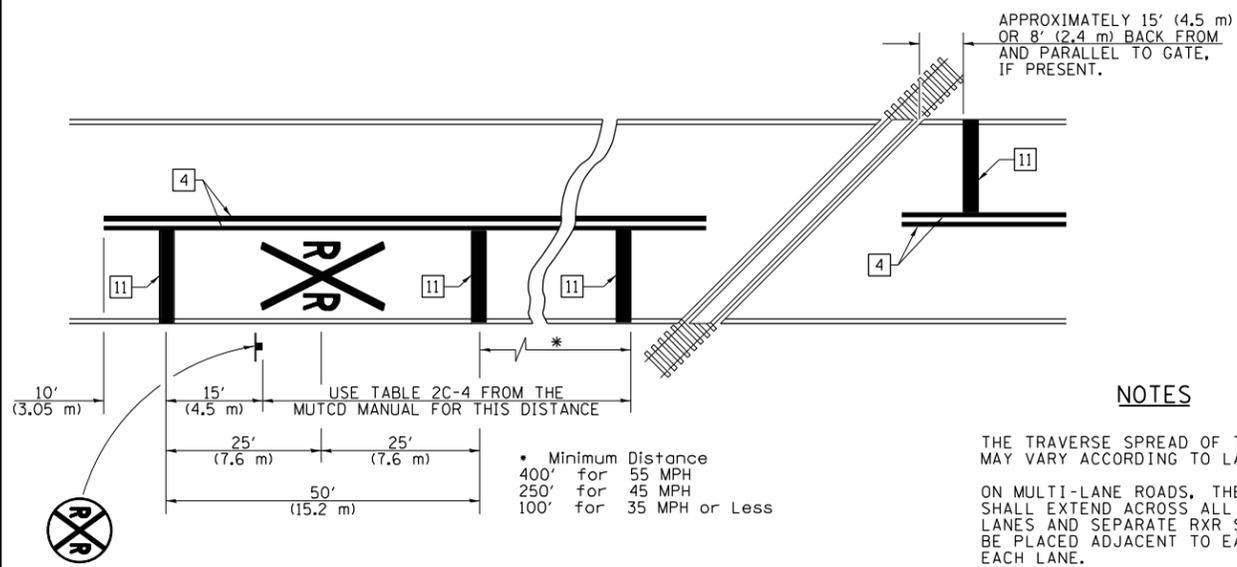
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**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.
332	(101,102,103)RS-3	WABASH	73	64
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



NOTES

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

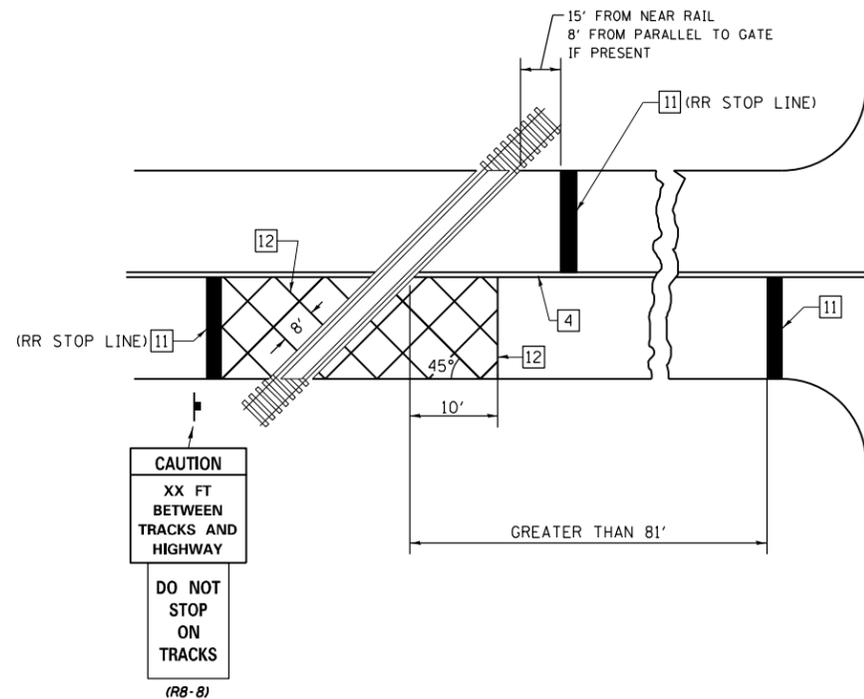
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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.

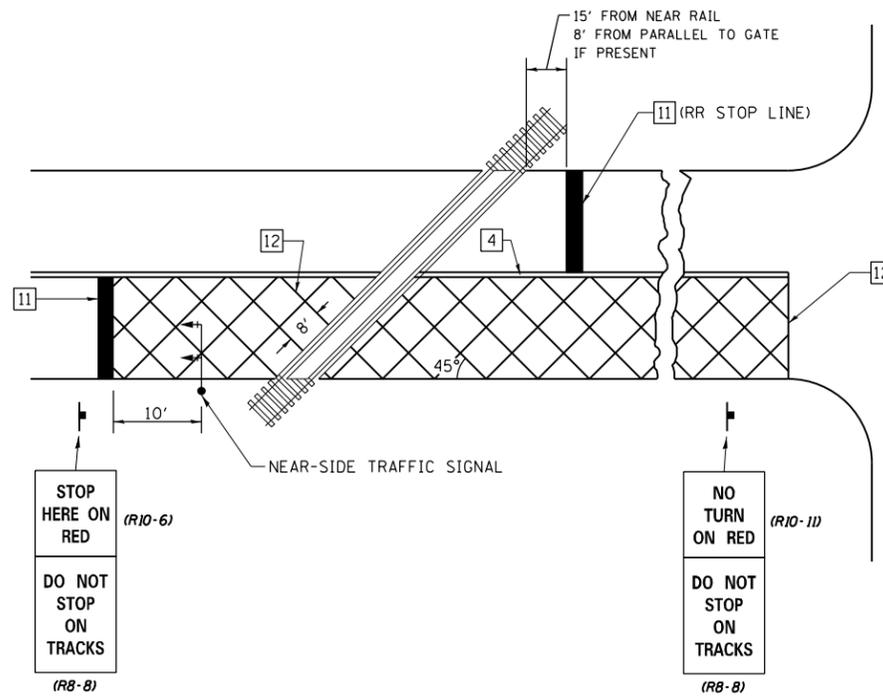
PAVEMENT MARKING LEGEND

- 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. 78000001

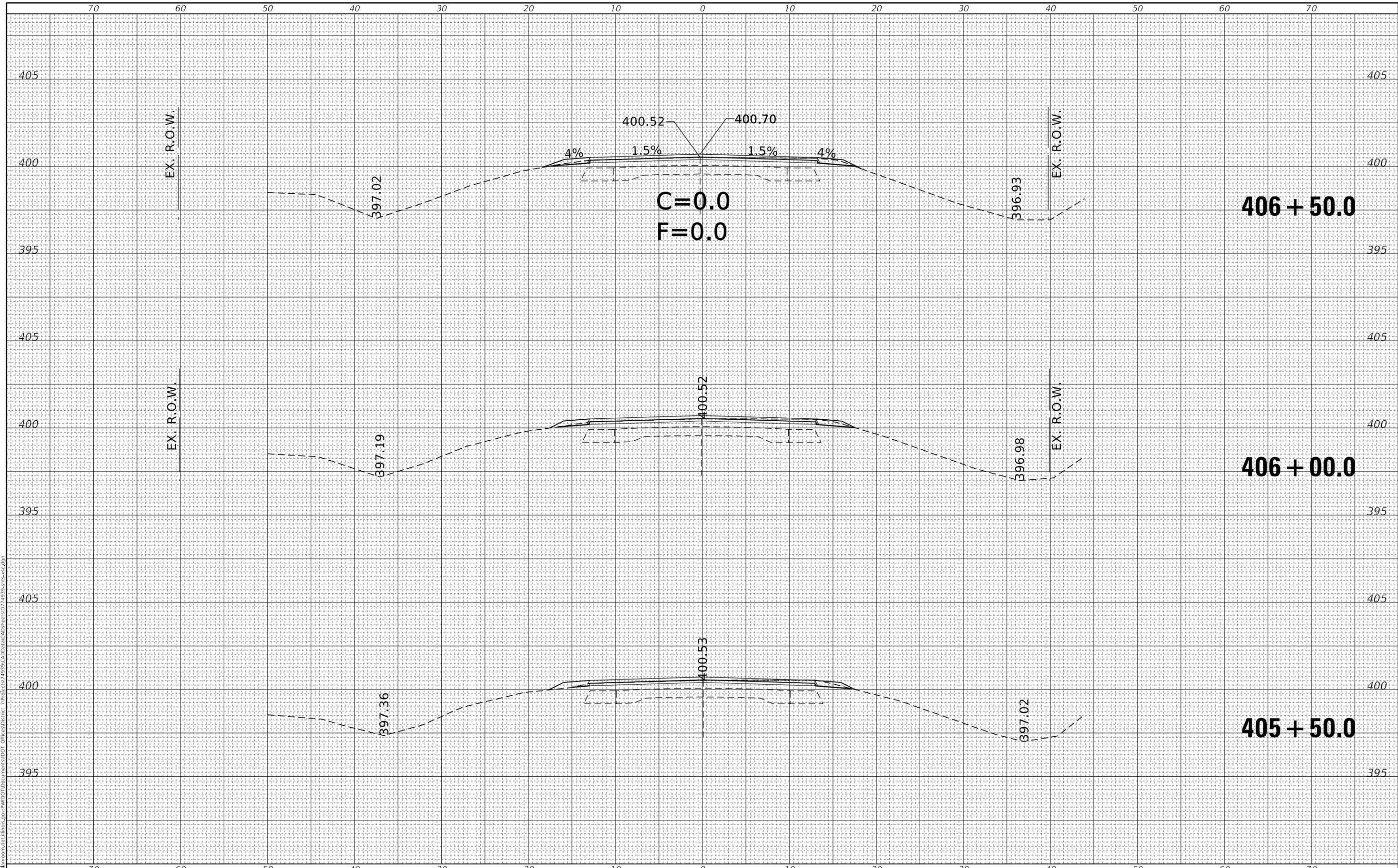
FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74939\DRAWN\CADsheets\0774939-shd-details.dgn		CHECKED -	REVISED -			332	(101,102,103)RS-3	WABASH	73	65	
		DATE -	REVISED -			CONTRACT NO. 74939					
						ILLINOIS FED. AID PROJECT					

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

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

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PLOT DATE = 1/21/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY CROSS SECTIONS  
 FAP 332 (IL 1)**

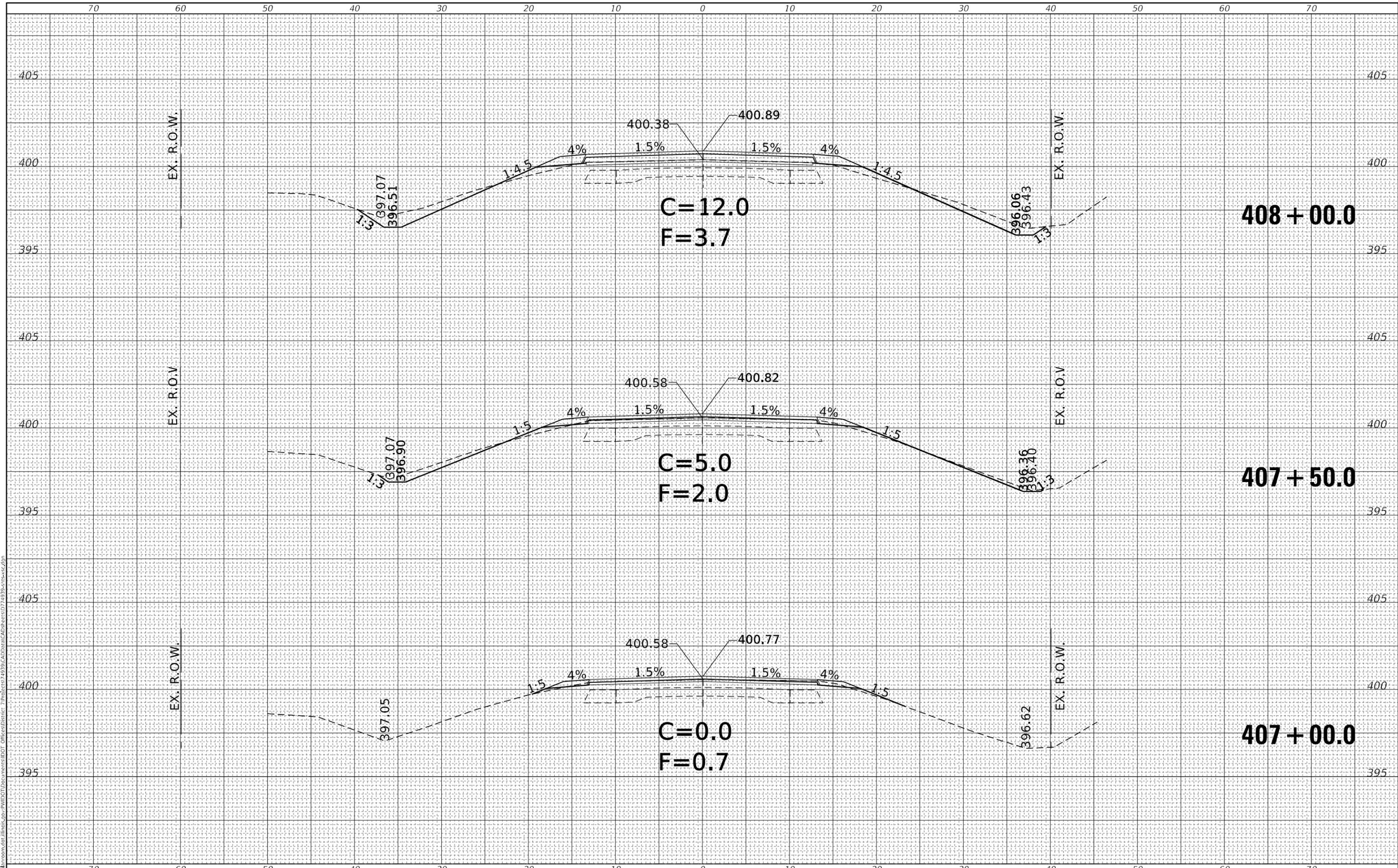
SCALE: 5H:2V SHEET 1 OF 7 SHEETS STA. 405+50.00 TO STA. 406+50.00

F.A.P. RTE. 332	SECTION (101,102,103)RS-3	COUNTY WABASH	TOTAL SHEETS 73	SHEET NO. 66
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
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	AREAS CHECKED	

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

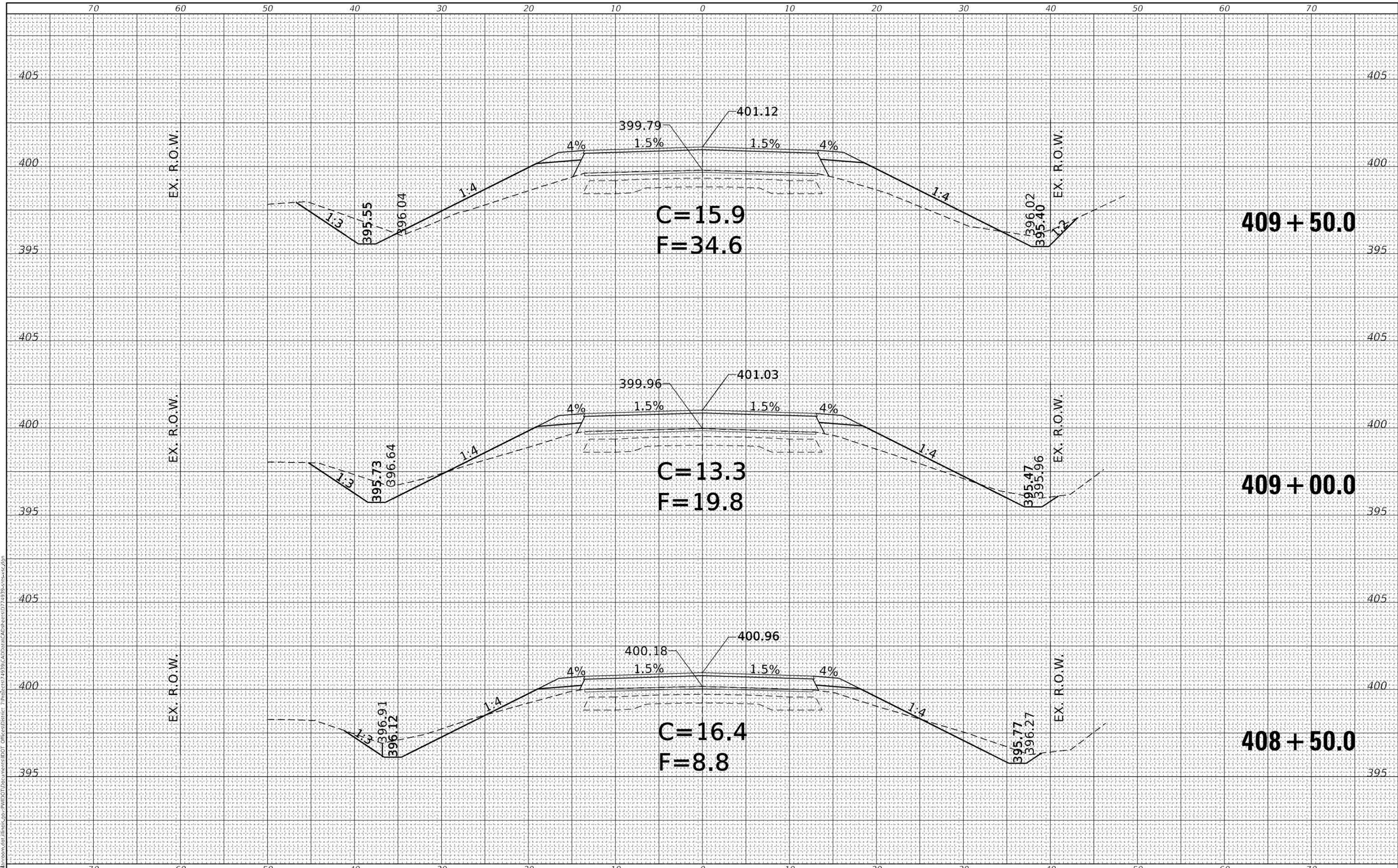
<b>ROADWAY CROSS SECTIONS</b>	
<b>FAP 332 (IL 1)</b>	
SCALE: 5H:2V	SHEET 2 OF 7 SHEETS
STA. 407+00.00 TO STA. 408+00.00	

F.A.P. RTE. 332	SECTION (101,102,103)RS-3	COUNTY WABASH	TOTAL SHEETS 73	SHEET NO. 67
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

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	PLOTTED	
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

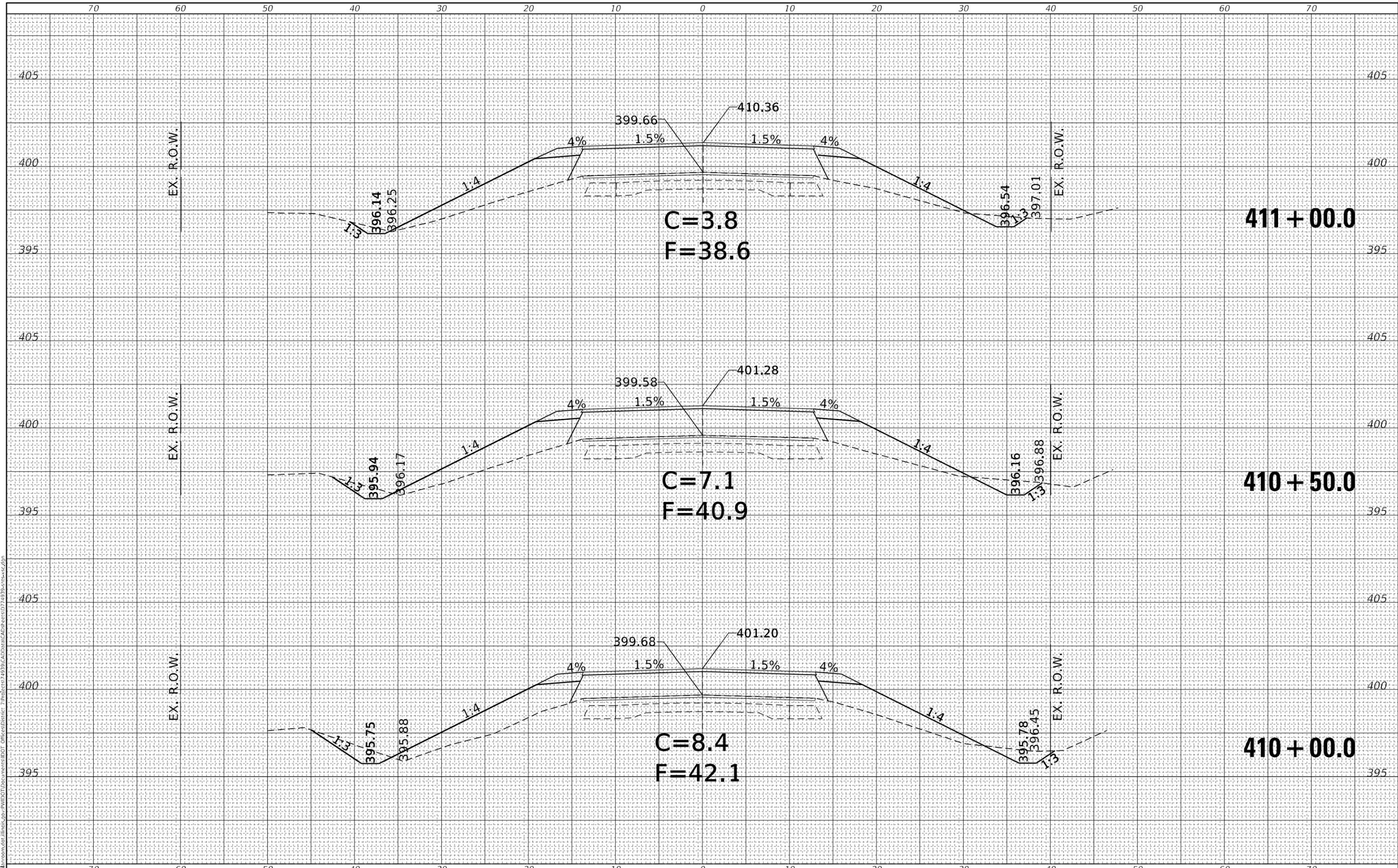
<b>ROADWAY CROSS SECTIONS</b>	
<b>FAP 332 (IL 1)</b>	
SCALE: 5H:2V	SHEET 3 OF 7 SHEETS
STA. 408+50.00	TO STA. 409+50.00

F.A.P. RTE. 332	SECTION (101,102,103)RS-3	COUNTY WABASH	TOTAL SHEETS 73	SHEET NO. 68
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

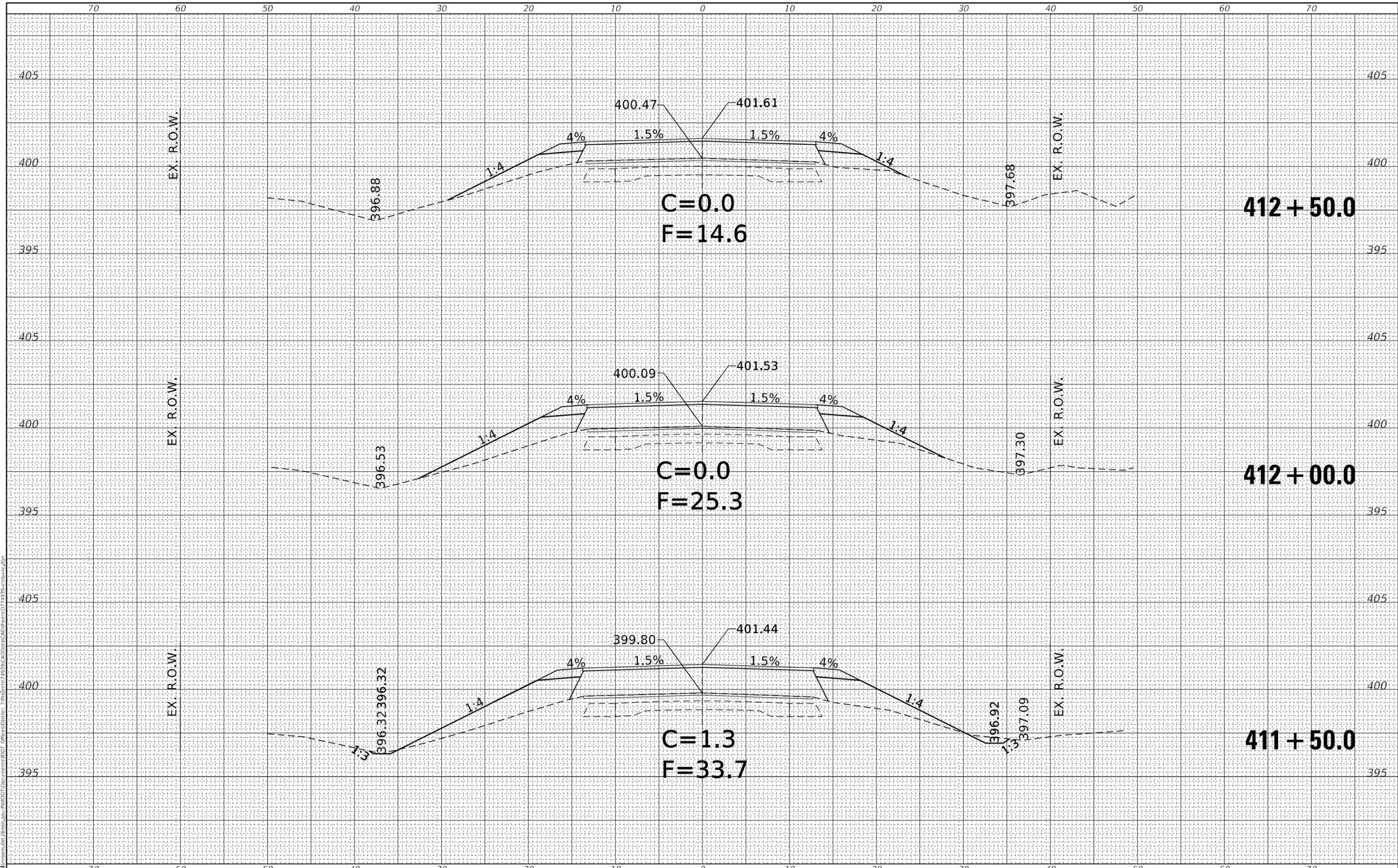
<b>ROADWAY CROSS SECTIONS</b>	
<b>FAP 332 (IL 1)</b>	
SCALE: 5H:2V	SHEET 4 OF 7 SHEETS
STA. 410+00.00 TO STA. 411+00.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	69
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NOTE BOOK	
AREAS CHECKED	

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USER NAME = steffemk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: 5H:2V	
SHEET 5	OF 7 SHEETS
STA. 411+50.00	TO STA. 412+50.00

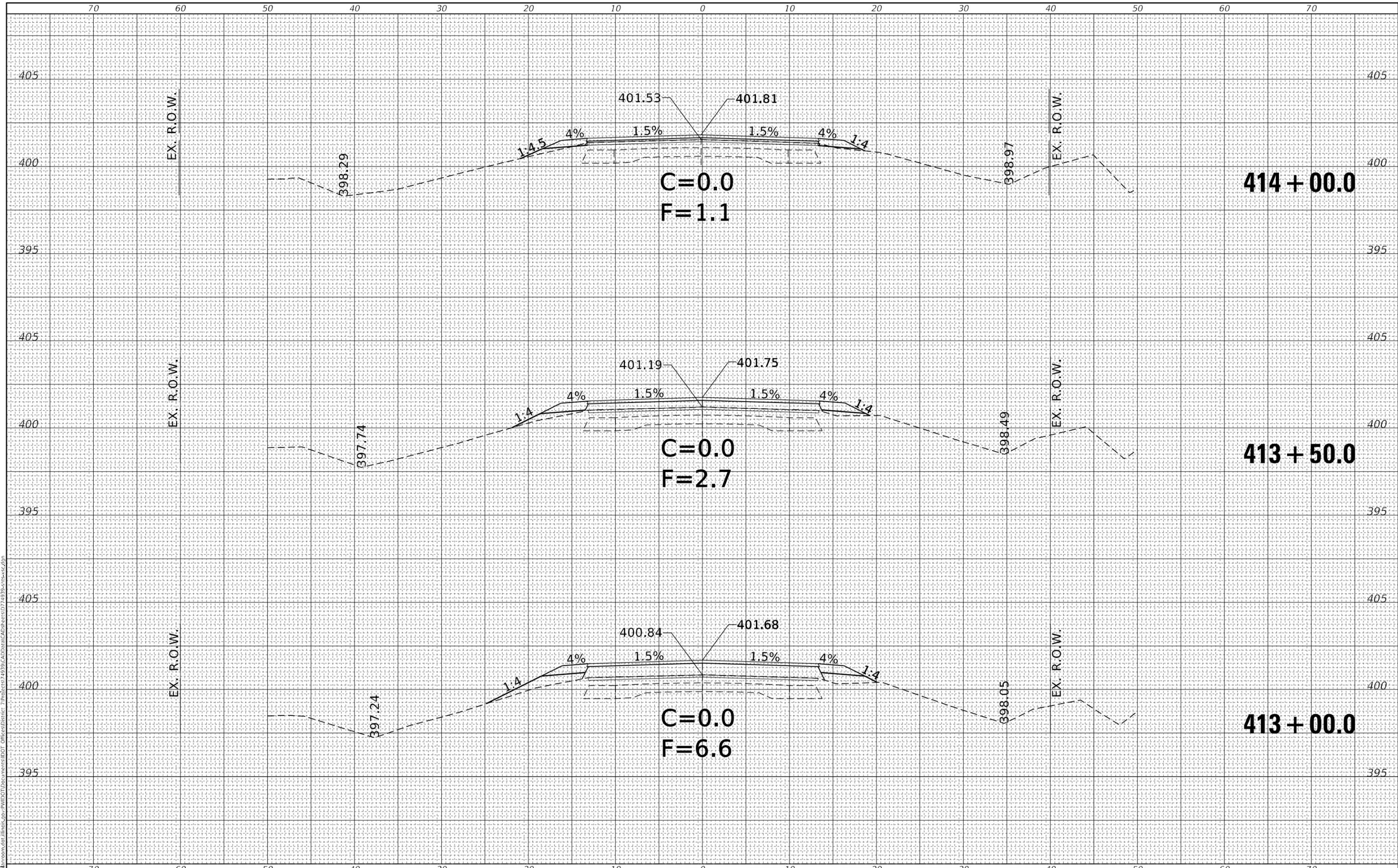
**ROADWAY CROSS SECTIONS  
 FAP 332 (IL 1)**

F.A.P. RTE. 332	SECTION (101,102,103)RS-3	COUNTY WABASH	TOTAL SHEETS 73	SHEET NO. 70
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

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PLOT DATE = 1/21/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

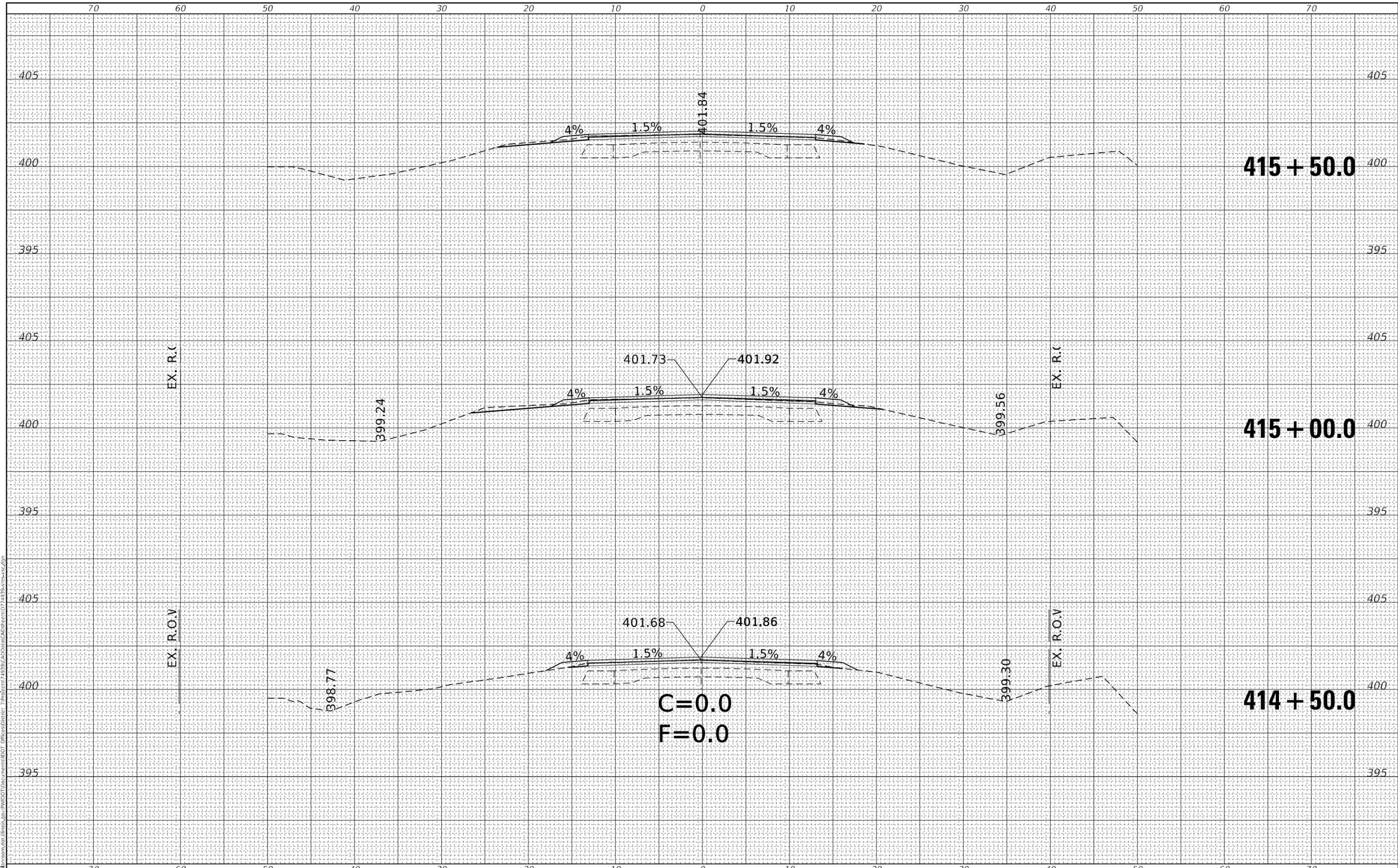
**ROADWAY CROSS SECTIONS**  
**FAP 332 (IL 1)**  
 SCALE: 5H:2V | SHEET 6 OF 7 SHEETS | STA. 413+00.00 TO STA. 414+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	71
CONTRACT NO. 74939				
ILLINOIS   FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
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	AREAS CHECKED	

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

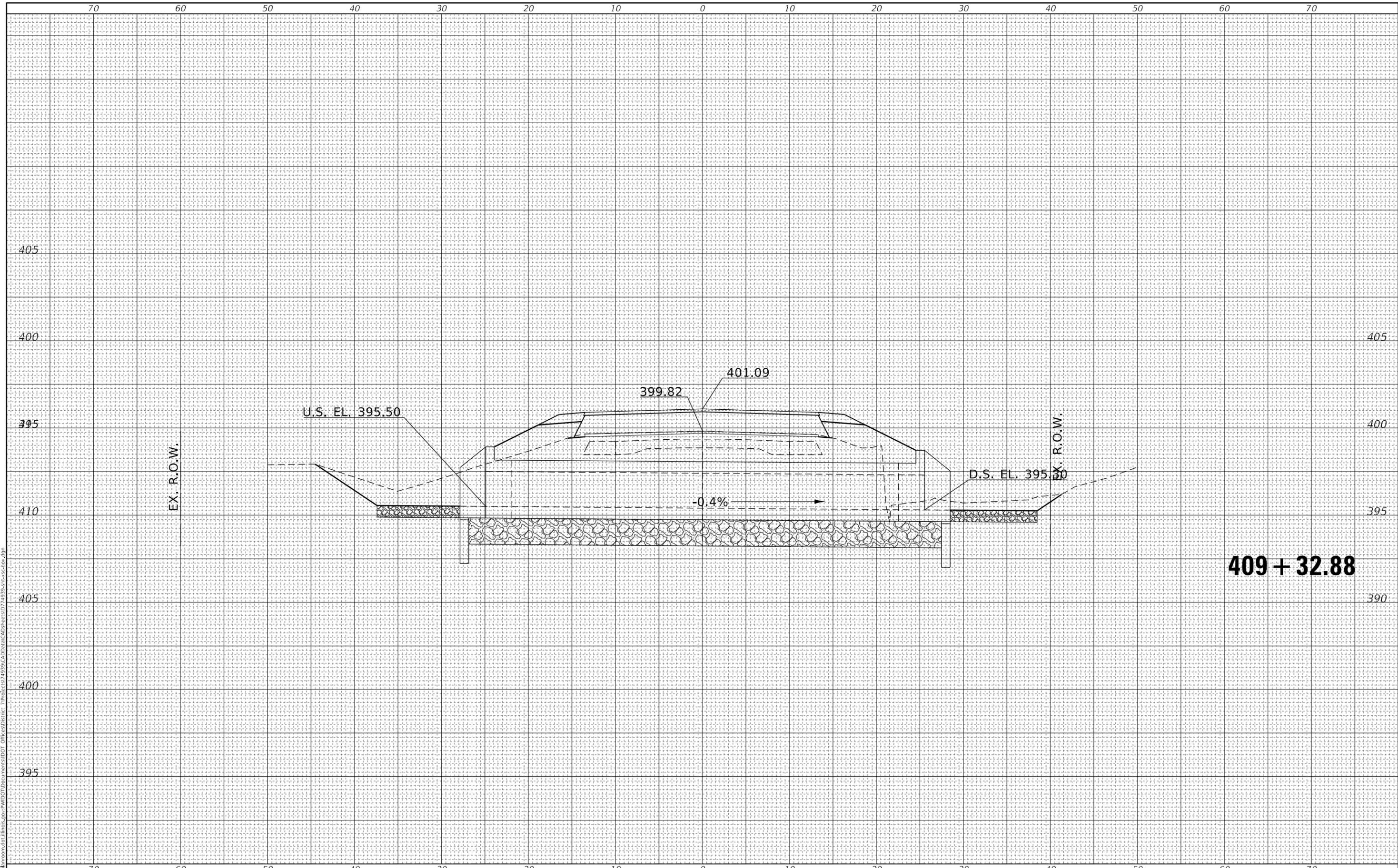
<b>ROADWAY CROSS SECTIONS</b>	
<b>FAP 332 (IL 1)</b>	
SCALE: 5H:2V	SHEET 7 OF 7 SHEETS
STA. 414+50.00 TO STA. 415+50.00	

F.A.P. RTE. 332	SECTION (101,102,103)RS-3	COUNTY WABASH	TOTAL SHEETS 73	SHEET NO. 72
CONTRACT NO. 74939			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

MODEL: Default  
 FILE NAME: D:\data\mason.dwg  
 PLOT DATE: 1/21/2021  
 PLOT SCALE: 10,0000 \* / in.  
 USER NAME: = steffenmk



DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BOX CULVERT CROSS SECTION  
 FAP 332 (IL 1)**

SCALE: 5H:2V    SHEET 1 OF 1 SHEETS    STA. 409+32.88 TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(101,102,103)RS-3	WABASH	73	73
CONTRACT NO. 74939				
ILLINOIS FED. AID PROJECT				