11-18-2022 LETTING ITEM 047

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	1
	ILLINOIS	CONTRACT NO. 74983		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

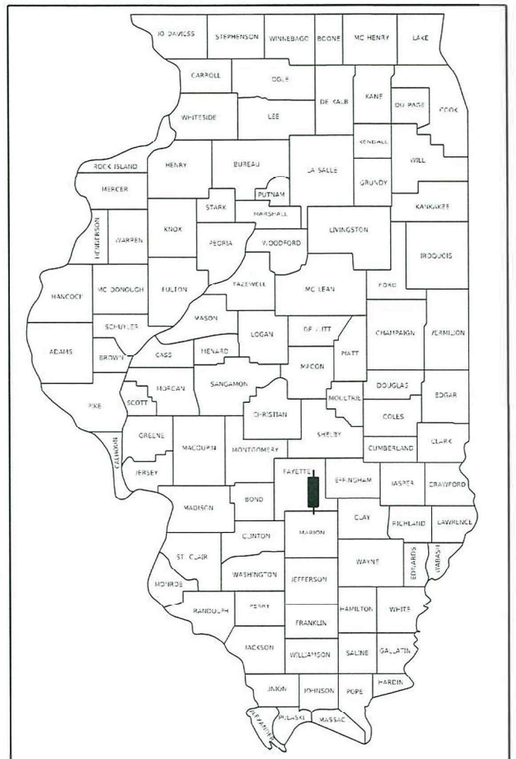
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

FAI ROUTE 70 (I–70)
SECTION (26–2)B
PROJECT NHPP–MBDI(374)
BRIDGE RECONSTRUCTION
FAYETTE COUNTY

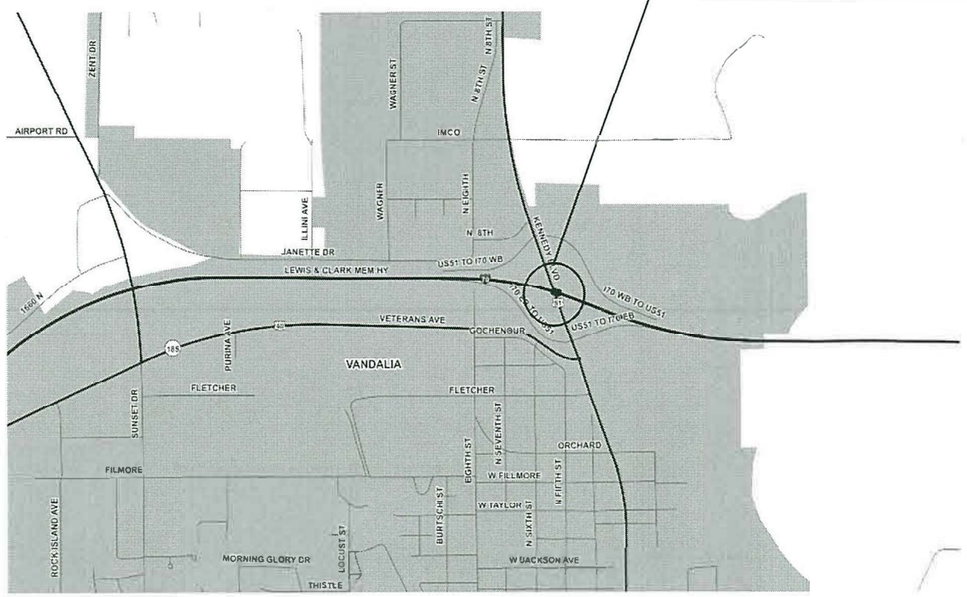
C–97–066–20

D-97-060-20



LOCATION OF SECTION INDICATED THUS: –

FAI ROUTE 70 (I–70)
SECTION (26–2)B
FAYETTE COUNTY
STRUCTURE # 026–0032
STATION 512 + 58.57 (FAI 70)
STATION 47 + 00.3 (US ROUTE 51)



N

GROSS LENGTH = 1778 FT. = 0.4 MILE
NET LENGTH = 1778 FT. = 0.4 MILE

100' 200' 300' — 1" = 100'
0 10' 20' 30' — 1" = 10'
0 50' 100' — 1" = 50'
0 50' 100' — 1" = 40'
0 50' 100' — 1" = 30'
0 50' 100' — 1" = 20'

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED ~~SEPTEMBER~~ 20 22
Jeffrey P Myrick
REGIONAL ENGINEER

October 14, 2022
ENGINEER OF DESIGN AND ENVIRONMENT

October 14, 2022
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT ENGINEER: BRIAN LEWIS
PROJECT MANAGER: MYRA OLTMAN

CONTRACT NO. 74983

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV. - MS

GENERAL NOTES

THE PROPOSED PROJECT IS LOCATED ON US ROUTE 51 OVER FAI I-70 IN VANDALIA AND ON FAI 70.

THE WORK IN THIS SECTION CONSISTS OF BRIDGE DECK REPLACEMENT, APPROACH PAVEMENT REMOVAL AND REPLACEMENT. RECONFIGURE EXISTING ABUTMENTS AND WINGWALLS TO SEMI-INTEGRAL CONFIGURATION, REMOVE AND REPLACE EXISTING BEARINGS, STRUCTURAL STEEL REAIRS AT BEAM ENDS, STRUCTURAL REPAIR OF SUBSTRUCTURE, PIER CRASH WALLS, STONE RIPRAP, REMOVE CONCRETE BARRIERS AND EXISTING GUARD RAIL AND CONSTRUCT NEW GUARDRAIL

PAVEMENT MARKING TAPE SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON HMA SURFACES AND SHALL BE WET REFLECTIVE. SHORT TERM PAVEMENT MARKING LINE AND ARROWS REQUIRED FOR STAGE CONSTRUCTION WILL NOT BE PAID FOR AND ARE INCLUDED IN PAY ITEM TRAFFIC CONTROL STANDARD 701611 (SPECIAL).

RAISED REFLECTIVE PAVEMENT MARKERS WILL BE OMITTED FROM THE BRIDGE DECK.

FINAL PAVEMENT MARKINGS ON PAVEMENT SURFACES SHALL BE AS FOLLOWS:

PAVEMENT MARKINGS ON HOT-MIX ASPHALT SURFACE, PCC APPROACH PAVEMENTS AND BRIDGE DECK OVERLAY SHALL BE PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 6".
PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4".
PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 24".
PREFORMED PLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

LOCATION(S)	MIXTURE USE(S)	PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM	SUBLOT SIZE	MATERIAL TRANSFER DEVICE (REQUIRED?)
MAINLINE	POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N90 (2")	SBS PG 70-22	4.0% @ N=90	IL - 9.5	MIXTURE D	N90	QC/QA	N/A	N/A
SHOULDER	HMA BASE COURSE WIDENING, 8"	SBS PG 70-22	4.0% @ N=90	IL - 19.0	N/A	N90	QC/QA	N/A	N/A

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS AND GENERAL NOTES
3 - 6	SUMMARY OF QUANTITIES
7	TYPICAL SECTIONS
8	SCHEDULE OF QUANTITIES
9	CONCRETE MEDIAN REMOVAL DETAIL SHEET
10	BASE COURSE WIDENING & PCC AND PCC BASE COURSE WIDENING DETAIL SHEET
11	DOWELLED MEDIAN DETAIL SHEET
12-19	STAGING PLAN SHEETS
20-65	BRIDGE REPAIR PLANS
66	DETAIL OF CONCRETE MEDIAN, TYPE SB-6.06 (DOWELLED)
67-70	DISTRICT 7 DETAIL NO. 78000001-PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
71-72	DISTRICT 7 DETAIL NO. 78000002 -TYPICAL APPLICATION OF FREEWAY/EXPRESSWAY PAVEMENT MARKING
73	TYPICAL APPLICATIONS OF DETECTOR LOOPS
74	DETAIL OF SHORT-TERM PAVEMENT MARKING

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

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-12	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
631033-08	TRAFFIC BARRIER TERMINAL, TYPE 6B
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701400-11	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701611-01	URBAN HALF ROAD CLOSURE, MILTILANE, 2W WITH MOUNTABLE MEDIAN
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720006-04	SIGN PANEL ERECTION DETAILS
781001-04	TYPICAL APPLICATIONS RASIED REFLECTIVE PAVEMENT MARKERS
782001-01	CURB REFLECTORS
420001-10	PAVEMENT JOINTS
442101-09	CLASS B PATCHES
515001-04	NAME PLATE BRIDGES
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINAL
631031-17	TRAFFIC BARRIER TERMINAL, TYPE 6
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
720001-01	SIGN PANEL MOUNTING DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATION
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

REV. - MS

MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 7\Projects\74983\CADData\CADsheets\D774983-sht-gennote.dgn

USER NAME = Mona.Steffen	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/2/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND INDEX OF SHEETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	2
		CONTRACT NO. 74983		
	ILLINOIS FED. AID PROJECT			

90% FED
10% STATE

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0013		
28100107	STONE RIPRAP, CLASS A4	SQ YD	130	130		
28200200	FILTER FABRIC	SQ YD	130	130		
35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQ YD	949	949		
35650300	BASE COURSE WIDENING 8"	SQ YD	150	150		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1492	1492		
40600990	TEMPORARY RAMP	SQ YD	98	98		
40604164	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE,	TON	371	371		
	IL-9.5, MIX "D", N90					
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH	SQ YD	619.6	619.6		
	SLAB					
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	3309	3309		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2016	2016		
44003100	MEDIAN REMOVAL	SQ FT	8545	8545		
44200050	WELDED WIRE REINFORCEMENT	SQ YD	1099	1099		
44201015	CLASS B PATCHES, TYPE I, 14 INCH	SQ YD	32	32		
44201019	CLASS B PATCHES, TYPE II, 14 INCH	SQ YD	263	263		

90% FED
10% STATE

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0013		
44201023	CLASS B PATCHES, TYPE III, 14 INCH	SQ YD	123	123		
44201025	CLASS B PATCHES, TYPE IV, 14 INCH	SQ YD	27	27		
44201299	DOWEL BARS 1 1/2"	EACH	940	940		
44213198	TIE BARS 1/2"	EACH	32	32		
44213200	SAW CUTS	FOOT	1551	1551		
50102400	CONCRETE REMOVAL	CU YD	71.4	71.4		
50104720	REMOVAL OF EXISTING CONCRETE DECK	EACH	1	1		
50157300	PROTECTIVE SHIELD	SQ YD	1451	1451		
50200100	STRUCTURE EXCAVATION	CU YD	459	459		
50300225	CONCRETE STRUCTURES	CU YD	166.4	166.4		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	810.4	810.4		
50300260	BRIDGE DECK GROOVING	SQ YD	2112	2112		
50300300	PROTECTIVE COAT	SQ YD	3307	3307		
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	252.4	252.4		
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	6030	6030		

REV. - MS

MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 7\Projects\74983\CAD\data\CAD\sheets\D7749831-sht-SOQ.dgn

USER NAME = Mona.Steffen	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/2/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	3
		CONTRACT NO. 74983		
	ILLINOIS FED. AID PROJECT			

90% FED
10% STATE

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0013		
50500505	STUD SHEAR CONNECTORS	EACH	9744	9744		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	290120	290120		
50800515	BAR SPLICERS	EACH	2270	2270		
51500100	NAME PLATES	EACH	2	2		
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	28	28		
52100520	ANCHOR BOLTS, 1"	EACH	56	56		
52200010	TEMPORARY SHEET PILING	SQ FT	2424	2424		
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	391	391		
58700300	CONCRETE SEALER	SQ FT	865	865		
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	190	190		
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	278	278		
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT	FOOT	600	600		
	POSTS					
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4		
* 63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	2	2		

90% FED
10% STATE

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0013		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL)	EACH	2	2		
	TANGENT					
63200310	GUARDRAIL REMOVAL	FOOT	956	956		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	15	15		
67100100	MOBILIZATION	L SUM	1	1		
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD	EACH	2	2		
	701401					
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD	EACH	2	2		
	701402					
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	684	684		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1353	1353		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	949	949		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1200	1200		
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	20	20		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	500	500		
70600240	IMPACT ATTENUATORS, TEMPORARY (NON-	EACH	1	1		
	REDIRECTIVE), TEST LEVEL 2					

* SPECIALTY ITEM

REV. - MS

USER NAME = Mona.Steffen	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/2/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	4
		CONTRACT NO. 74983		
		ILLINOIS FED. AID PROJECT		

90% FED
10% STATE

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0013		
70600241	IMPACT ATTENUATORS, TEMPORARY (NON-	EACH	1	1		
	REDIRECTIVE, NARROW), TEST LEVEL 2					
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-	EACH	2	2		
	REDIRECTIVE), TEST LEVEL 3					
70600340	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 2	EACH	1	1		
70600341	IMPACT ATTENUATORS, RELOCATE (NON-	EACH	1	1		
	REDIRECTIVE, NARROW), TEST LEVEL 2					
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	60	60		
* 78004600	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D -	SQ FT	124.8	124.8		
	LETTERS AND SYMBOLS					
* 78004620	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D -	FOOT	5481	5481		
	LINE 4"					
* 78004630	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D -	FOOT	489	489		
	LINE 6"					
* 78004720	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D -	FOOT	36	36		
	LINE 24"					
* 78011000	GROOVING FOR RECESSED PAVEMENT MARKING,	SQ FT	124.6	124.6		
	LETTERS AND SYMBOLS					

90% FED
10% STATE

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0013		
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	5481	5481		
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	489	489		
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	36	36		
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	22	22		
78200020	CURB REFLECTORS	EACH	56	56		
* 88600100	DETECTOR LOOP, TYPE I	FOOT	324	324		
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	18	18		
X4400198	CONCRETE BARRIER REMOVAL (SPECIAL)	FOOT	180	180		
X4406280	PARTIAL DEPTH REMOVAL, TYPE II, 8"	SQ YD	16	16		
X4406480	PARTIAL DEPTH REMOVAL, TYPE III, 8"	SQ YD	133	133		
X4406680	PARTIAL DEPTH REMOVAL, TYPE IV, 8"	SQ YD	203	203		
X4421000	PARTIAL DEPTH PATCHING	TON	158	158		
X6061300	CONCRETE MEDIAN, TYPE SB-6.06 (DOWELLED)	SQ FT	8545	8545		
X7012637	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611 (SPECIAL)	L SUM	1	1		

* SPECIALTY ITEM

REV. - MS

MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT\Documents\IDOT Offices\District 7\Projects\74983\CADData\CADsheets\D774983-smt-SOQ.dgn

USER NAME = Mona.Steffen	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/2/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	5
		CONTRACT NO. 74983		
		ILLINOIS FED. AID PROJECT		

90% FED
10% STATE

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0013		
Z0004552	APPROACH SLAB REMOVAL	SQ YD	440	440		
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	8	8		
Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	12	12		
Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	28	28		
Ø Z0076600	TRAINEES	HOUR	500	500		
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500		

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0013		

Ø 0042

REV. - MS

MODEL: Default
FILE NAME: pw:\\illdot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 7\Projects\74983\CADD\data\CADD\sheets\D7749831-sht-SOQ.dgn

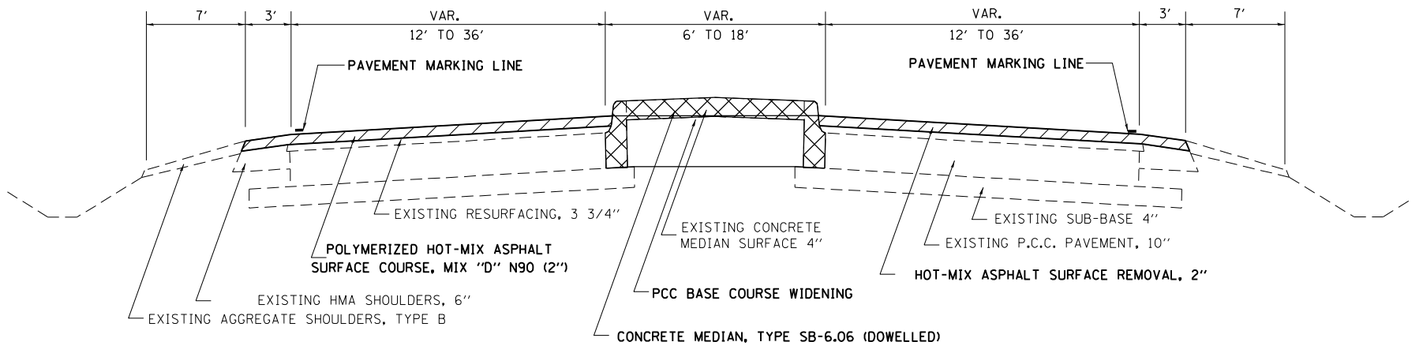
USER NAME = Mona.Steffen	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/2/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

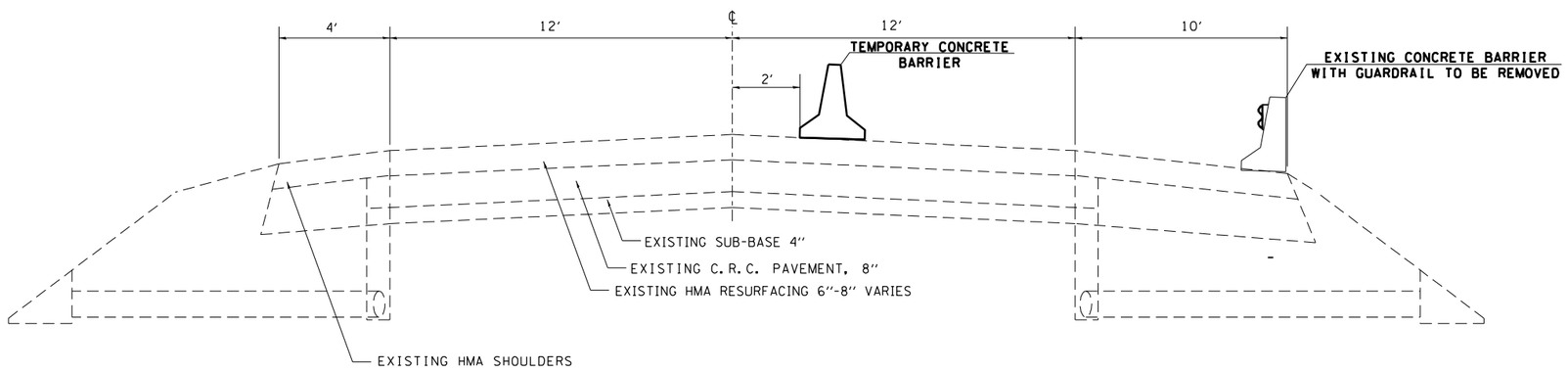
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	6
		CONTRACT NO. 74983		
	ILLINOIS FED. AID PROJECT			



US ROUTE 51
STA. 40+50 TO STA. 44+97
STA. 40+50 TO STA. 43+26 (TURN LANE)
STA. 49+13 TO STA. 53+55
STA. 51+13 TO STA. 53+55 (TURN LANE)

HOT-MIX ASPHALT SURFACE REMOVAL, 2"

MEDIAN REMOVAL AND CURB & GUTTER REMOVAL



FAI ROUTE 70 - UNDER STRUCTURE 026-0032

USER NAME = Mona,Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/2/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
US ROUTE 51 & FAI ROUTE 70

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-6)8	FAYETTE	74	7
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		

TRAFFIC CONTROL SCHEDULE

LOCATION	STATION	TO	STATION	TEMPORARY CONCRETE BARRIER	PINNING TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 2	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 2	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE,NARROW), TEST LEVEL 2	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611 (SPECIAL)	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	PAVEMENT MARKING BLACKOUT TAPE, 5"
				FOOT	EACH	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	FEET
WESTBOUND	510+47		513+97	350							1		1	1	
FAI ROUTE 70	533+20		549+30												403
EASTBOUND	511+30		514+80	350							1		1	1	
FAI ROUTE 70	479+00		490+25												281
STAGE 1															
US ROUTE 51	44+19		49+13	500			1		1						
STAGE 2															
US ROUTE 51	44+97		49+90		20	500		1		1		1			
TOTALS				1200	20	500	1	1	1	1	2	1	2	2	684

APPROACH SLAB REMOVAL

NORTH END				
LOCATION	STATION	TO	STATION	SQ YD
NORTH END	45+34		45+64	220
SOUTH END				
LOCATION	STATION	TO	STATION	
SOUTH END	48+46		48+76	220
			TOTAL	440

CONCRETE BARRIER REMOVAL (SPECIAL)

WESTBOUND				
FAI ROUTE 70	511+70		512+60	90
EASTBOUND				
FAI ROUTE 70	512+61		513+51	90
			TOTAL	180

TELESCOPING STEEL SIGN SUPPORT

LOCATION	STATION		FOOT
US ROUTE 51	42+87		15
US ROUTE 51	45+15		15
US ROUTE 51	48+80		15
US ROUTE 51	53+42		15
	TOTAL		60

PAVEMENT MARKING SCHEDULE

STATION	TO	STATION	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LETTERS AND SYMBOLS	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4"	GROOVING FOR RECESSED PAVEMENT MARKING 5"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 6"	GROOVING FOR RECESSED PAVEMENT MARKING 7"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 24"	GROOVING FOR RECESSED PAVEMENT MARKING 25"	CURB REFLECTORS	RAISED REFLECTIVE PAVEMENT MARKER	SHORT TERM PAVEMENT MARKING
			SQ FT	SQ FT	FOOT	FOOT	FOOT	FOOT	FEET	FEET	EACH	EACH	FEET
40+50		42+97	62.4	62.4			247	247			31		171
51+13		53+55	62.4	62.4			242	242			25		170
53+40									36	36			72
40+50		53+55			5481	5481						22	940
		TOTAL	124.8	124.8	5481	5481	489	489	36	36	56	22	1353

GUARDRAIL SCHEDULE

LOCATION	STATION	TO	STATION	GUARDRAIL REMOVAL	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL, TYPE 6B	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
				FOOT	EACH	EACH	FOOT	EACH
FAI ROUTE 70								
EASTBOUND	508+94	TO	512+72	378		1	275	1
WESTBOUND	512+44	TO	516+22	378		1	275	1
US ROUTE 51								
NE CORNER	45+91			50	1		12.5	
NW CORNER	45+37			50	1		12.5	
SE CORNER	48+73			50	1		12.5	
SW CORNER	48+20			50	1		12.5	
			TOTALS	956	4	2	600	2

GRADING AND SHAPING SHOULDERS

	STATION	TO	STATION	
NORTH END				
US ROUTE 51 MAINLINE	40+50		44+97	9
SOUTH END				
US ROUTE 51 MAINLINE	49+13		53+55	9
			TOTAL	18

DETECTOR LOOP, TYPE I

STATION	TO	STATION	FEET
5309		5345	144
LENGTH	FROM LOOPS TO BOX		180
		TOTAL	324

REV. - MS

USER NAME = Mona.Steffen	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/2/2022	DATE -	REVISED -	

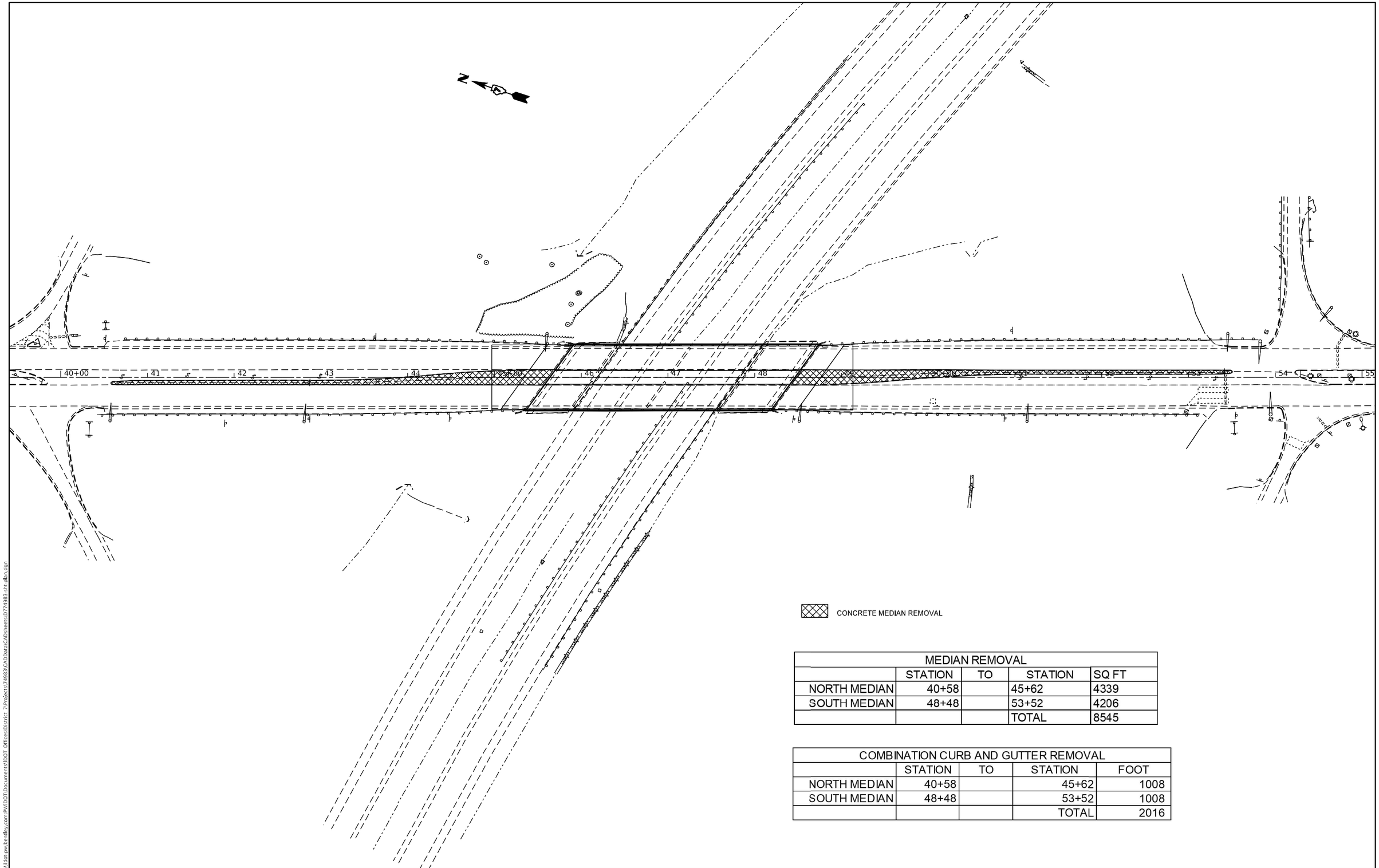
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	8
		CONTRACT NO. 74983		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 7\Project\74983\CADData\CADsheets\D774983-sht-schedule.dgn



CONCRETE MEDIAN REMOVAL

MEDIAN REMOVAL				
	STATION	TO	STATION	SQ FT
NORTH MEDIAN	40+58		45+62	4339
SOUTH MEDIAN	48+48		53+52	4206
			TOTAL	8545

COMBINATION CURB AND GUTTER REMOVAL				
	STATION	TO	STATION	FOOT
NORTH MEDIAN	40+58		45+62	1008
SOUTH MEDIAN	48+48		53+52	1008
			TOTAL	2016

MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT\Documents\IDOT Offices\District 7\Project\74983\CADData\CADSheets\D774983-sht-dtl.dgn

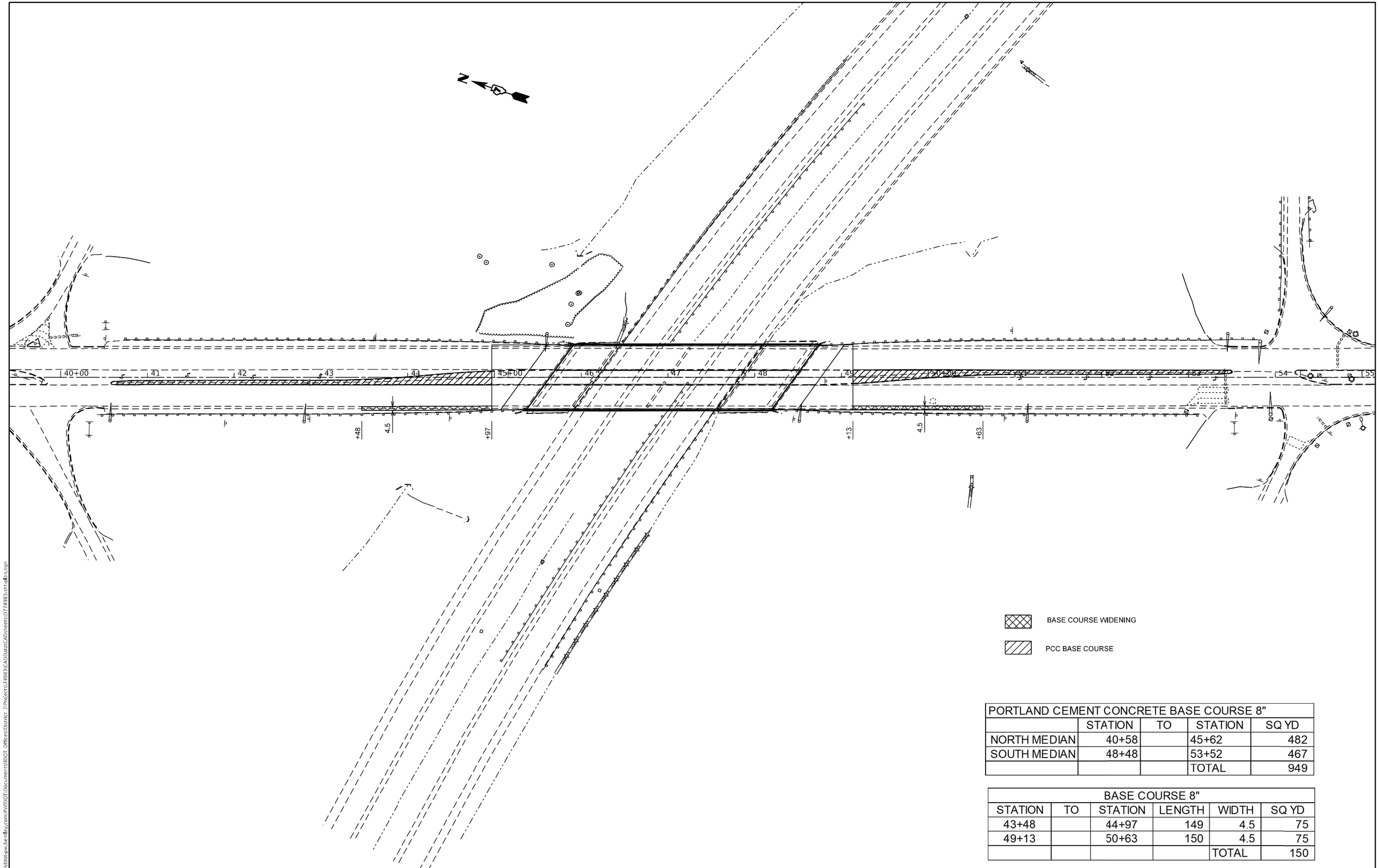
USER NAME = Mona.Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/2/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE MEDIAN REMOVAL
DETAIL SHEET

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	9
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		



BASE COURSE WIDENING

PCC BASE COURSE

PORTLAND CEMENT CONCRETE BASE COURSE 8"				
	STATION	TO	STATION	SQ YD
NORTH MEDIAN	40+58		45+62	482
SOUTH MEDIAN	48+48		53+52	467
			TOTAL	949

BASE COURSE 8"					
STATION	TO	STATION	LENGTH	WIDTH	SQ YD
43+48		44+97	149	4.5	75
49+13		50+63	150	4.5	75
				TOTAL	150

MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT\Documents\IDOT Offices\District 7\Projects\74983\CADData\CADSheets\t074983-sht-dtl.dgn

USER NAME = Mona.Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/2/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

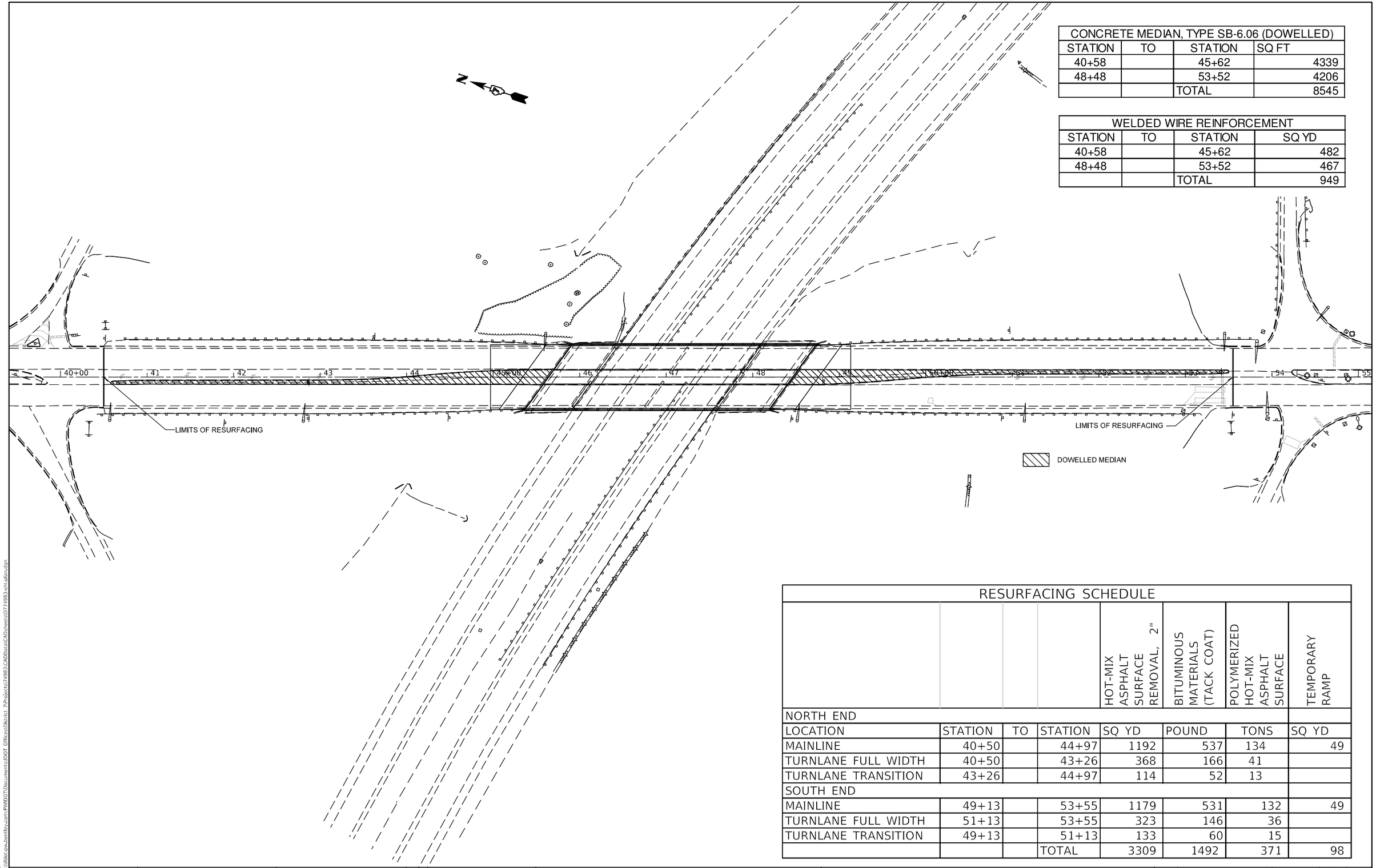
BASE COURSE WIDENING AND PCC
BASE COURSE DETAIL SHEET

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	10
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		

CONCRETE MEDIAN, TYPE SB-6.06 (DOWELLED)			
STATION	TO	STATION	SQ FT
40+58		45+62	4339
48+48		53+52	4206
		TOTAL	8545

WELDED WIRE REINFORCEMENT			
STATION	TO	STATION	SQ YD
40+58		45+62	482
48+48		53+52	467
		TOTAL	949



RESURFACING SCHEDULE							
				HOT-MIX ASPHALT SURFACE REMOVAL, 2"	BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HOT-MIX ASPHALT SURFACE	TEMPORARY RAMP
NORTH END							
LOCATION	STATION	TO	STATION	SQ YD	POUND	TONS	SQ YD
MAINLINE	40+50		44+97	1192	537	134	49
TURNLANE FULL WIDTH	40+50		43+26	368	166	41	
TURNLANE TRANSITION	43+26		44+97	114	52	13	
SOUTH END							
MAINLINE	49+13		53+55	1179	531	132	49
TURNLANE FULL WIDTH	51+13		53+55	323	146	36	
TURNLANE TRANSITION	49+13		51+13	133	60	15	
			TOTAL	3309	1492	371	98

MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT\Documents\IDOT Offices\District 7\Projects\74983\CADD\data\CADsheets\D7774983-sht-plan.dgn

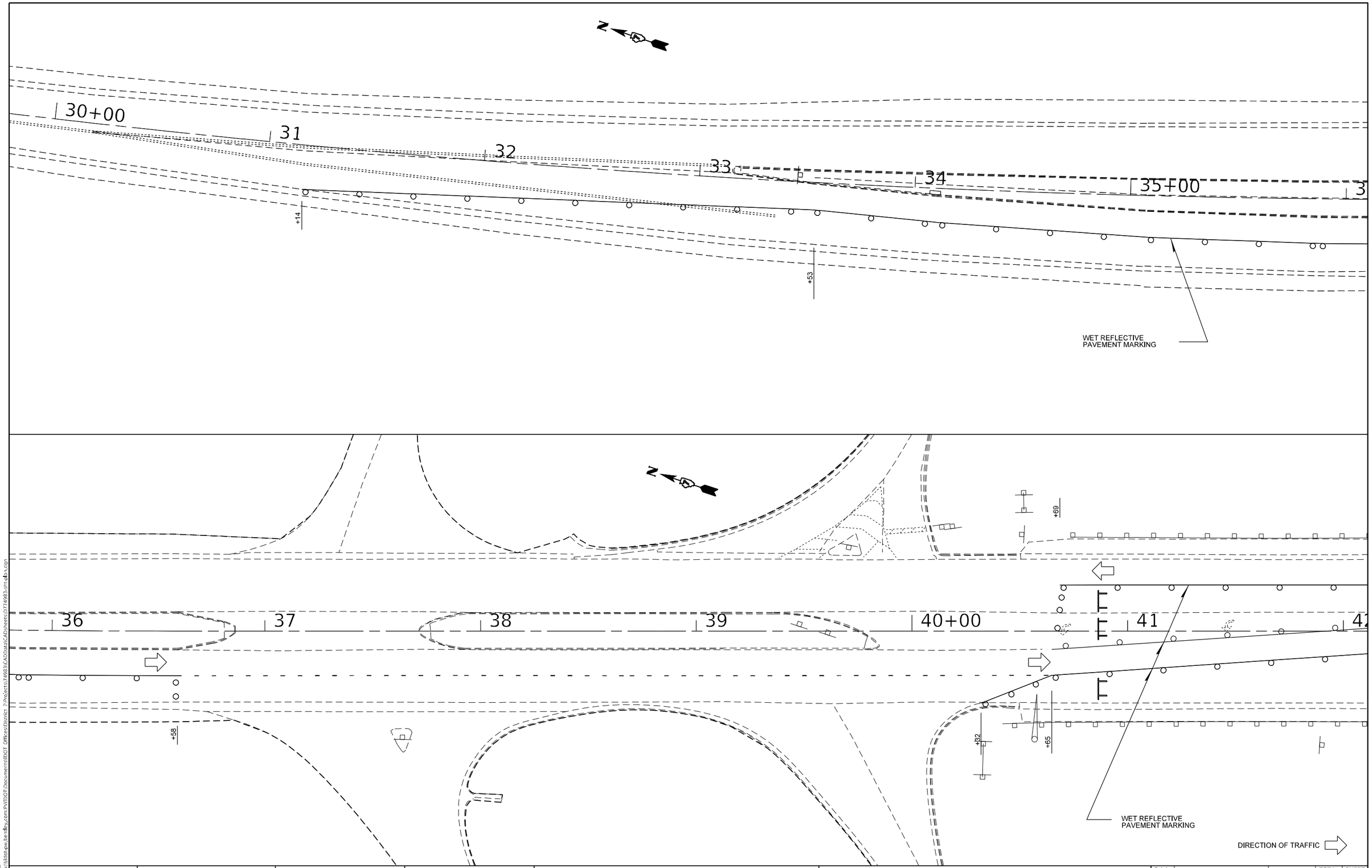
USER NAME = Myra.Oltman	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/29/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DOWELLED MEDIAN SHEET DETAIL

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	11
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		



MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT\Documents\IDOT Offices\District 7\Project\174983\CAD\Data\CAD\sheets\0774983-sht-tbx.dgn

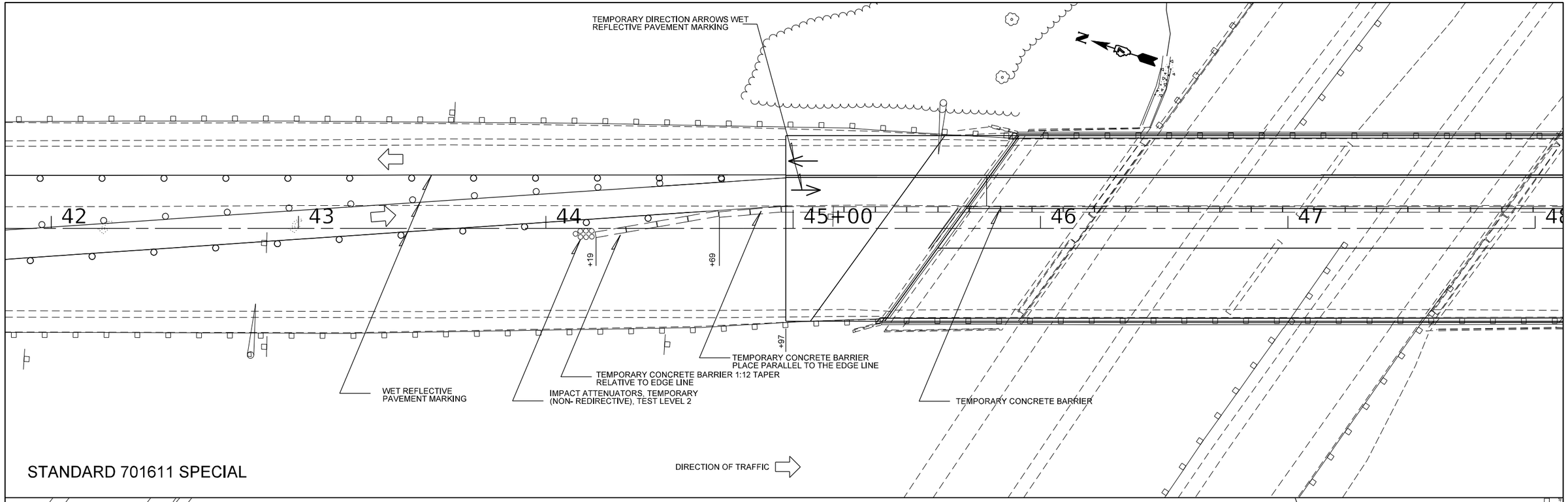
USER NAME = Mona,Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/2/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

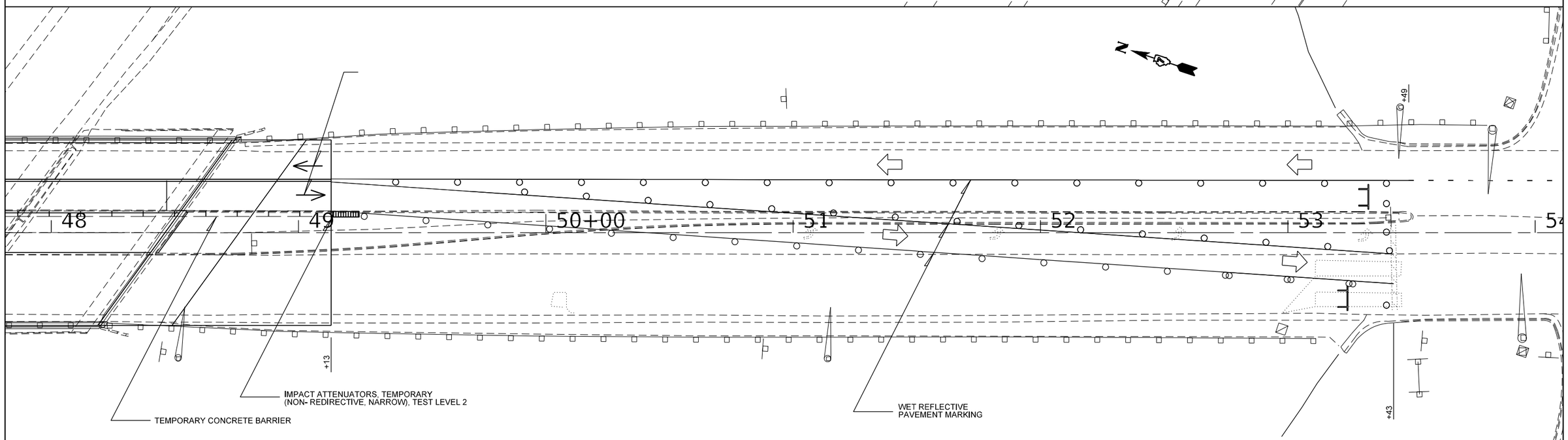
STAGE 1 TRAFFIC CONTROL

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	12
		CONTRACT NO. 74983		
		ILLINOIS	FED. AID PROJECT	



STANDARD 701611 SPECIAL



STANDARD 701611 SPECIAL

MODEL: $MODELNAME$
FILE NAME: $FILE$

USER NAME = $USER$	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 TRAFFIC CONTROL

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	13
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		

WET REFLECTIVE
PAVEMENT MARKING

+28

+15

+46

+97

54

55+00

56

57

58

59

60

DIRECTION OF TRAFFIC

+93

60+00

61

62

63

WET REFLECTIVE
PAVEMENT MARKING

DIRECTION OF TRAFFIC

MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT\Documents\IDOT Offices\District 7\Projects\74983\CADData\CADSheets\D7749B3-sht-dn.dgn

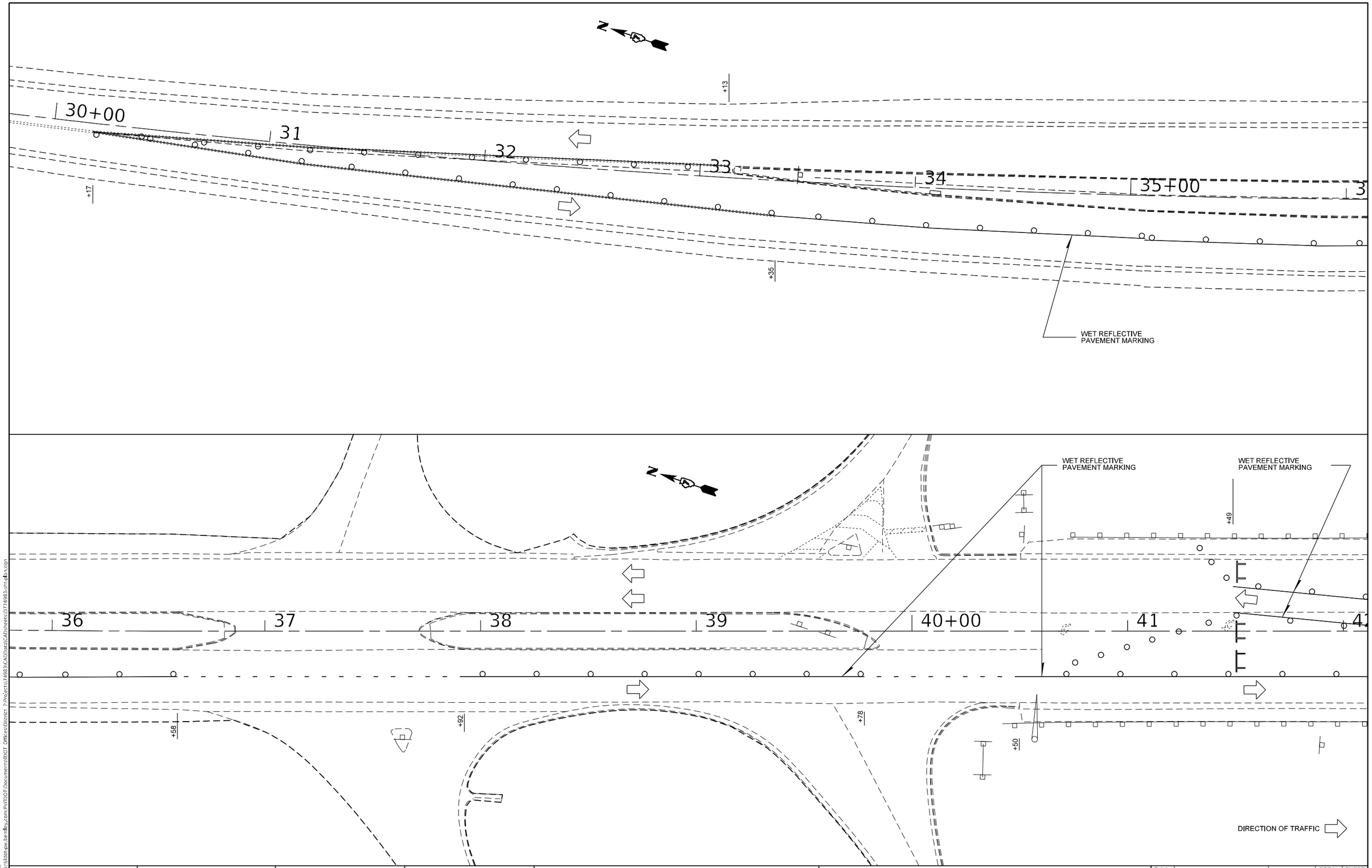
USER NAME = Mona.Steffen	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/2/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 TRAFFIC CONTROL

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	14
		CONTRACT NO. 74983		
	ILLINOIS FED. AID PROJECT			



MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT.Documents\DOT Offices\District 7\Project\74983\CAD\Data\CAD\sheets\074983-sht-tbx.dgn

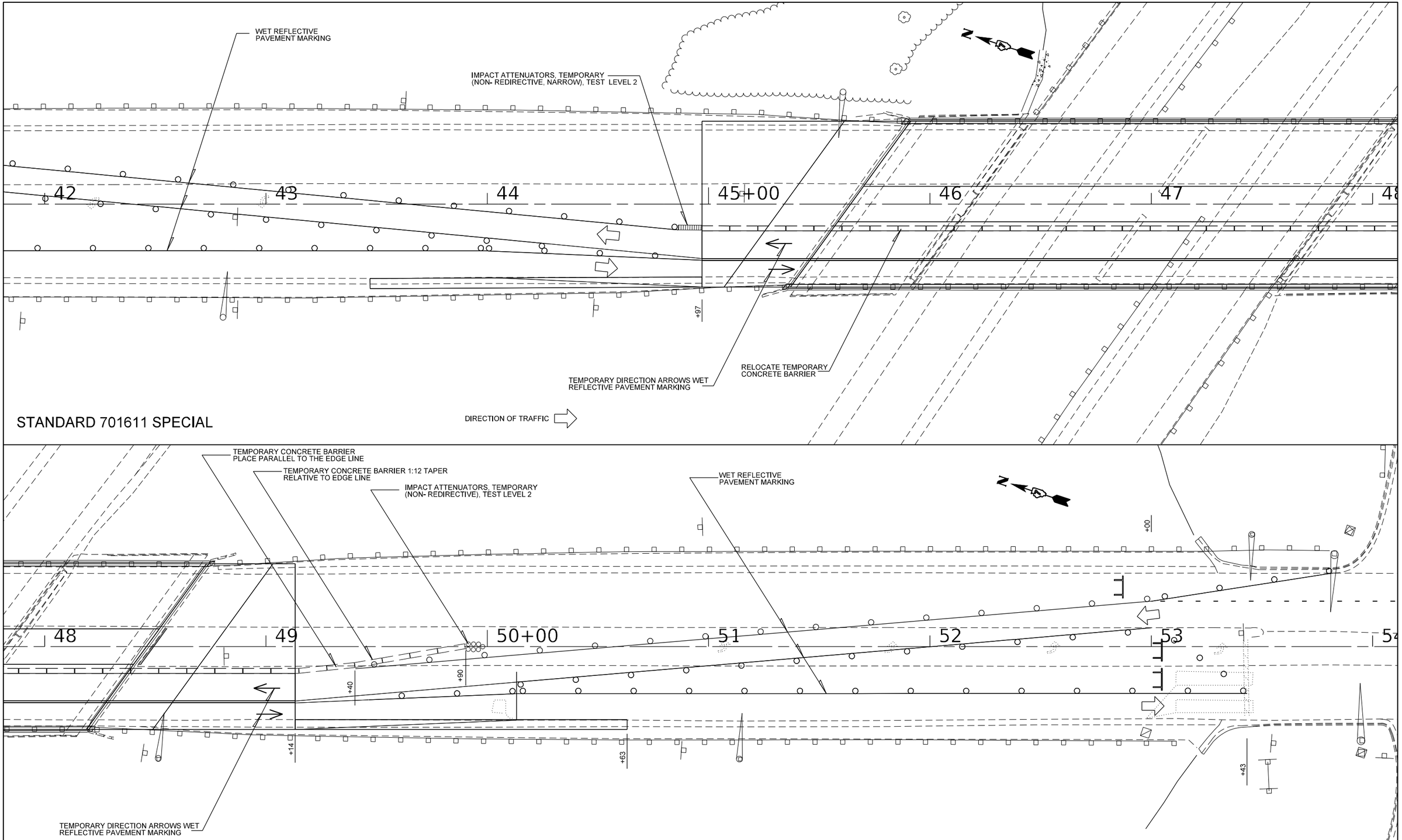
USER NAME = Mona,Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/2/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 TRAFFIC CONTROL

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	15
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		



STANDARD 701611 SPECIAL

STANDARD 701611 SPECIAL

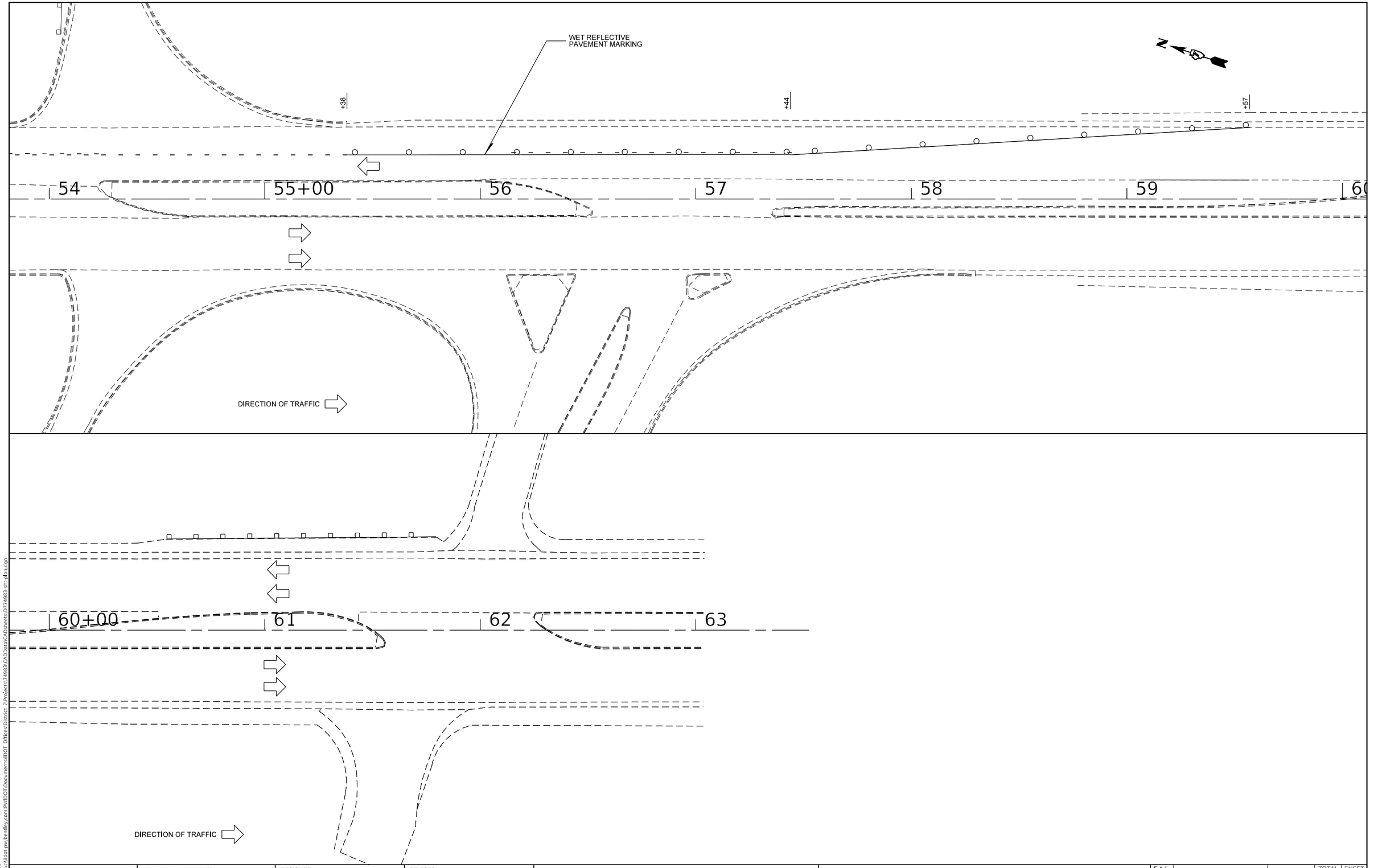
MODEL: $MODELNAME$
FILE NAME: $FILEL$

USER NAME = $USER$	DESIGNED -	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = $DATE$	DATE -	REVISED -	

STAGE 2 TRAFFIC CONTROL

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	16
		CONTRACT NO. 74983		
	ILLINOIS FED. AID PROJECT			



MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT\Documents\IDOT Offices\District 7\Projects\74983\CADData\CADSheets\D7749831-sht-dn.dgn

USER NAME = Mona.Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/2/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

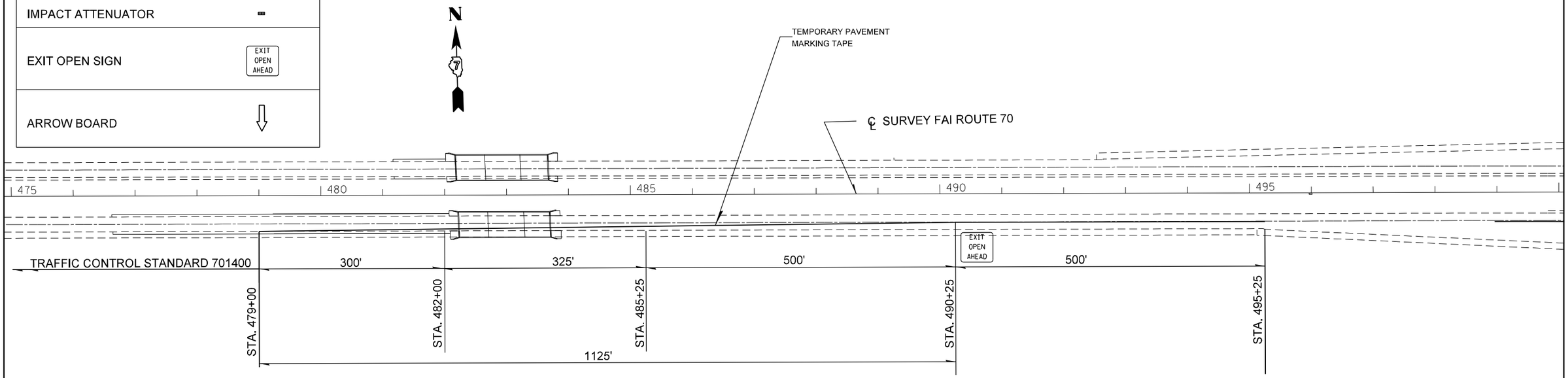
STAGE 2 TRAFFIC CONTROL

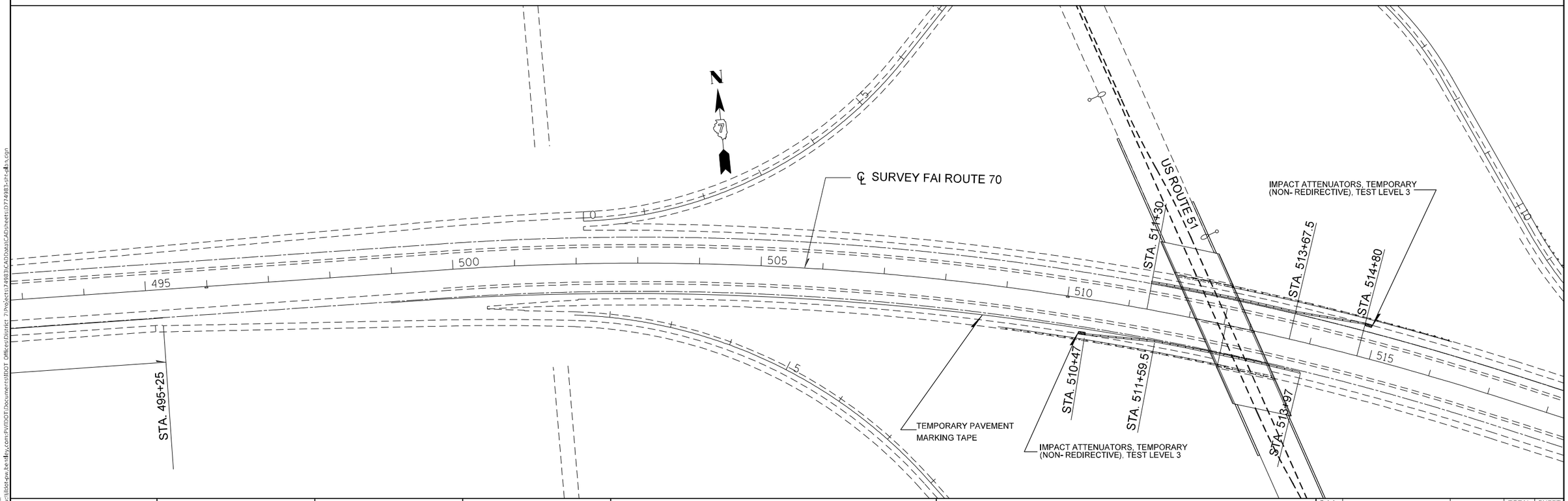
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	17
		CONTRACT NO. 74983		
	ILLINOIS FED. AID PROJECT			

LEGEND	
TEMPORARY CONCRETE BARRIER	
IMPACT ATTENUATOR	
EXIT OPEN SIGN	EXIT OPEN AHEAD
ARROW BOARD	

SEE TRAFFIC CONTROL STANDARDS 701401 & 701402
FOR ADDITIONAL DETAILS





MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT\Documents\IDOT Offices\District 7\Project\74983\CAD\Data\CAD\sheets\074983-sht-tbx.dgn

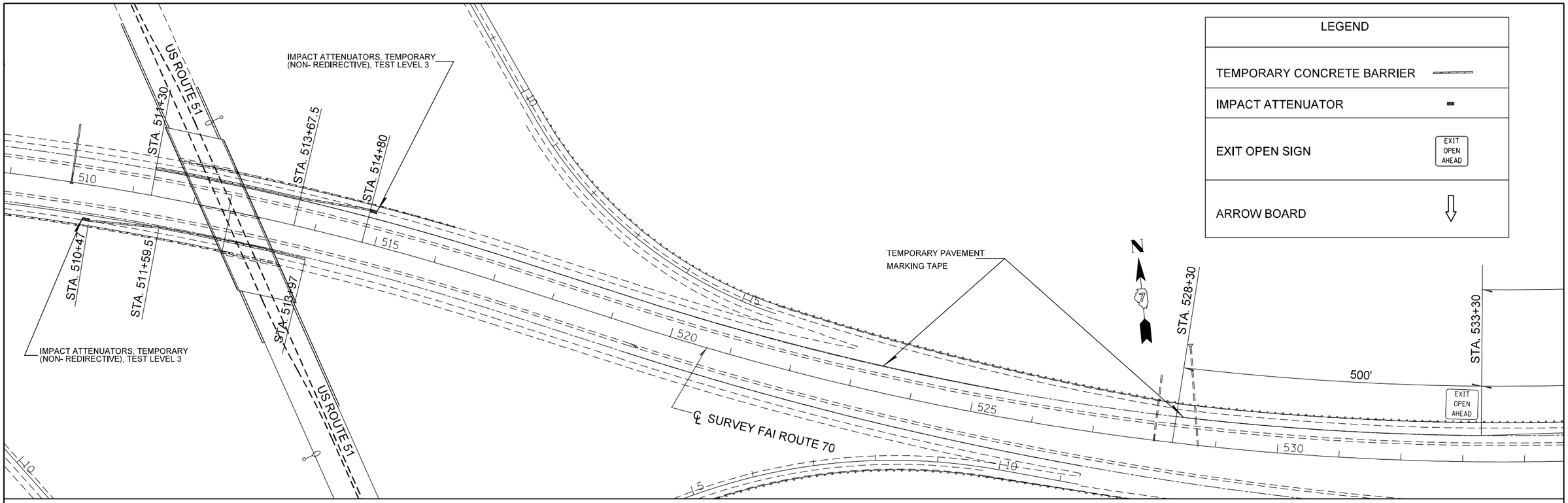
USER NAME = Mona,Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/2/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

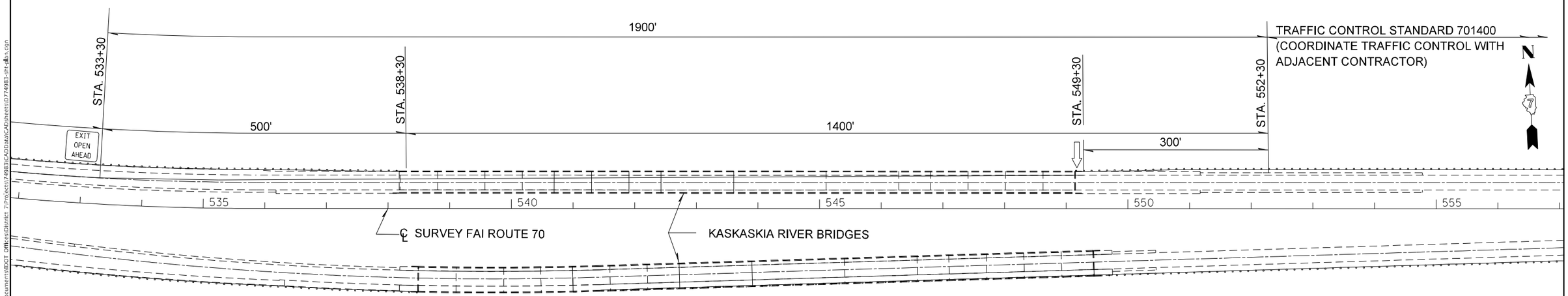
STAGING TRAFFIC CONTROL
FAI ROUTE 70 EASTBOUND

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	18
		CONTRACT NO. 74983		
		ILLINOIS	FED. AID PROJECT	



SEE TRAFFIC CONTROL STANDARDS 701401 & 701402
FOR ADDITIONAL DETAILS



USER NAME = Mona.Steffen	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**STAGING TRAFFIC CONTROL FAI ROUTE 70 WESTBOUND**	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
	DRAWN -	REVISED -			70	(26-2)B	FAYETTE	74 / 19
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 74983	
PLOT DATE = 9/2/2022	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT

Benchmark:
B.M. 538–Elev. 519.32, Sta. 48+30, Offset 43' Rt., chiseled square at southwest corner of SN 026–0032.
B.M. 201–Elev. 517.74, Sta. 45+80, Offset 41' Lt., chiseled square at northeast corner of SN 026–0032.

Existing Structure:
SN 026–0032 was originally constructed in 1964 as part of F.A.I. Rte. 70, Section 26–2HB–4, Sta. 512+58.57 The 4 span non–composite wide flange beam structure has an out–to–out width of 78'–0" and back–to–back of abutment length of 288'–0". The multi–beam superstructure is supported by concrete trapezoidal multi–column piers and stub abutments. Both abutments are founded on concrete piles, while all piers are founded on creosoted timber piles. The existing structural steel was re–painted in 2019.

Stage construction with cross–over lanes will be used for traffic control during construction.

No salvage.

SEISMIC DATA

Seismic Performance Category (SPC) = A
Horizontal Bedrock Acceleration Coefficient (A) = 0.073g
Site Coefficient (S) = 1.5

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

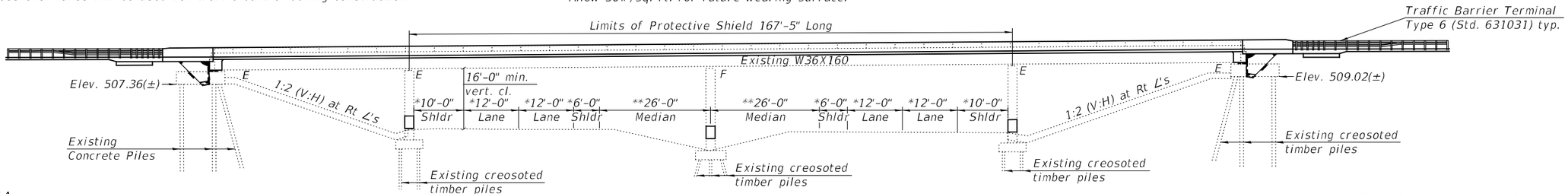
LOADING HS–20–44

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

FIELD UNITS (Existing)
f'c = 3,500 psi
fy = 40,000 psi (Reinforcement)
fy = 36,000 psi (A–36)

FIELD UNITS (New)
f'c = 3,500 psi
f'c = 4,000 psi (Superstructure)
fy = 60,000 psi (Reinforcement)
fy = 36,000 psi (M270 Grade 36)

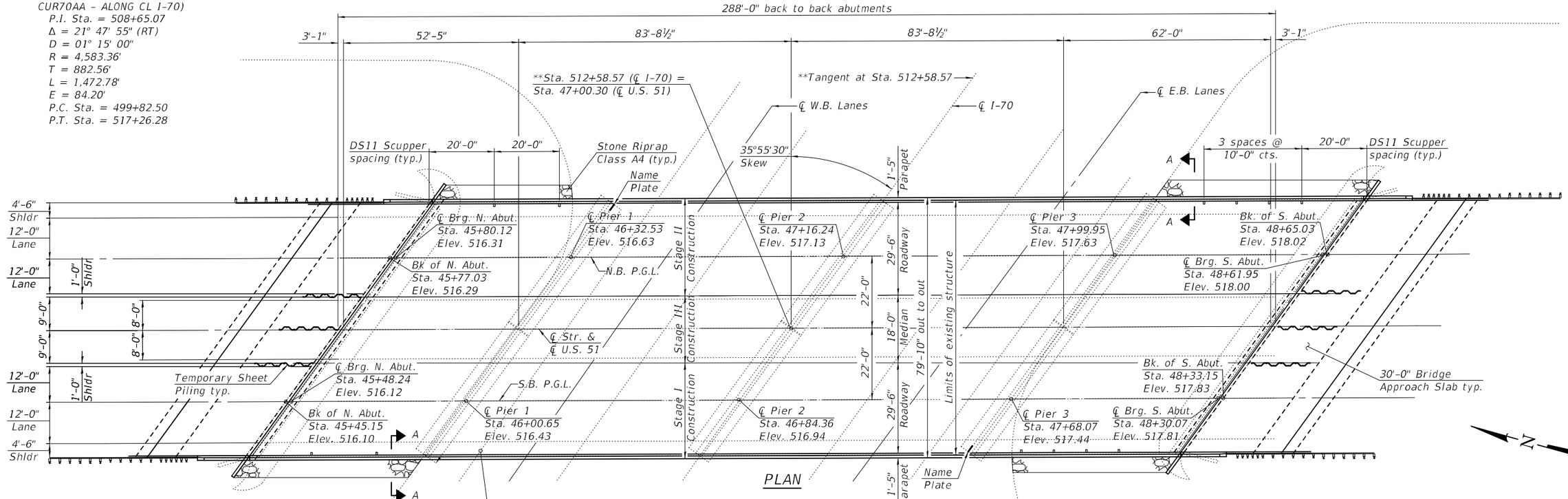


CURVE DATA

(SURVEYED CURVE CUR70AA – ALONG CL I–70)
P.I. Sta. = 508+65.07
Δ = 21° 47' 55" (RT)
D = 01° 15' 00"
R = 4,583.36'
T = 882.56'
L = 1,472.78'
E = 84.20'
P.C. Sta. = 499+82.50
P.T. Sta. = 517+26.28

ELEVATION

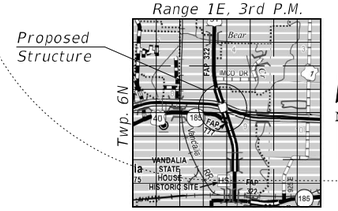
* Lane dimensions are at Rt. angles to I–70.
** From existing plans.



PLAN

JAYME F. SCHIFF 081-005540 LICENSED STRUCTURAL ENGINEER STATE OF ILLINOIS

EXPIRES 11-30-2024



LOCATION SKETCH

GENERAL PLAN & ELEVATION
US 51 / NORTH KENNEDY BLVD. OVER I–70
F.A.P. 322 SECTION (26–2)B
FAYETTE COUNTY
STATION 47+00.30
STRUCTURE NO. 026–0032

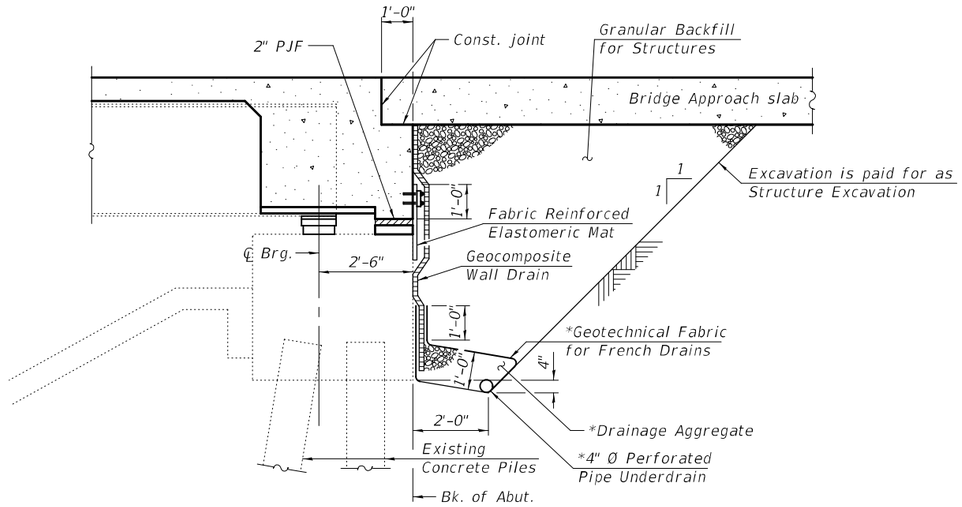
DESIGNED -	DAVID H. RICHTER	EXAMINED	DATE -	10-13-2022
CHECKED -	RYAN P. NEGANGARD		ENGINEER OF BRIDGE DESIGN	
DRAWN -	GLENN STOVER / D.A.P.	PASSED	REVISED -	
CHECKED -	D.H.R. / R.P.N. / G.P.A.		ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	20
		CONTRACT NO. 74983		
		ILLINOIS	FED. AID PROJECT	

MODEL: 0260032-74983-001
FILE NAME: pw:\\fdot-pw.bentley.com:PWDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/12/2022 10:03:50 AM

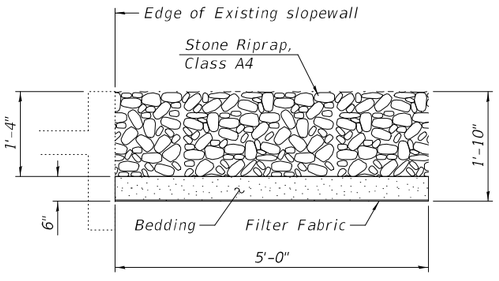


SECTION THRU SEMI-INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. ℄'s)

*Included in the cost of Pipe Underdrains for Structures.

Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



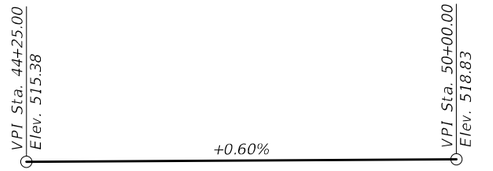
SECTION A-A

STATION 47+00.30
RE-BUILT 20 BY
STATE OF ILLINOIS
F.A.P. RTE. 322 SEC. (26-2)B
LOADING HS-20
STRUCTURE NO. 026-0032

NAME PLATE

See Std. 515001

The new name plate shall be located near existing name plates. See sheet 42 of 46.



PROFILE GRADE

(Along N.B. & S.B. PG)

GENERAL NOTES

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

Fasteners shall be ASTM F3125 Grade A325 Type 1, hot dip galvanized bolts. Bolts ¾" Ø, holes ⅞" Ø, unless otherwise noted.

New structural steel, connection bolts, nuts and washers shall be hot dip galvanized according to Special Provision "Hot Dip Galvanizing for Structural Steel".

No field welding is permitted except as specified in the contract documents.

The Contractor shall test the existing welds by non-destructive methods within 2 ft. of the end of the existing cover plates for cracks after removal of the existing concrete deck. Dye penetrant (PT), magnetic particle (MT), or other approved testing method shall be performed by qualified personnel approved by the Engineer. If cracks are found, report them to the Bureau of Bridges and Structures for disposition. The cost of testing is included in Removal of Existing Concrete Deck. The cost of crack repair, if necessary, will be paid for according to Article 109.04 of the standard Specifications.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or detrimental foreign material shall be removed from the surface in contact with concrete (SSPC-SP3 standards). 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 paid for according to Article 109.04 of the Standard Specifications.

As directed by the Engineer, existing construction accessories welded to the top flange of the beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding ¼ in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

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 work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Concrete sealer shall be applied to the above ground areas of the top and inside faces of the new concrete for piers 1 and 3 crashwalls.

INDEX OF SHEETS

1 - General Plan & Elevation
2 - General Data
3-4 - Stage Construction Details
5 - Temporary Concrete Barrier
6 - Temporary Sheet Piling
7-14 - Top of Slab Elevations
15-17 - Top of North Approach Slab Elevations
18-20 - Top of South Approach Slab Elevations
21-25 - Superstructure
26-27 - Superstructure Details
28 - Diaphragm
29 - Diaphragm Details
30 - Drainage Scuppers, DS-11
31-34 - Bridge Approach Slab Details
35 - Structural Steel
36 - Structural Steel Details
37 - Bearing Details
38 - Abutment Concrete Removal
39 - North Abutment
40 - South Abutment
41 - Abutment Details
42-43 - Piers
44 - Pier Details
45 - Concrete Parapet Slipforming Option
46 - Bar Splicer Assembly Details

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		130	130
Filter Fabric	Sq. Yd.		130	130
Concrete Removal	Cu. Yd.		71.4	71.4
Removal of Existing Concrete Deck	Each	1		1
Protective Shield	Sq. Yd.	1451		1451
Structure Excavation	Cu. Yd.		459	459
Concrete Structures	Cu. Yd.		166.4	166.4
Concrete Superstructure	Cu. Yd.	810.4		810.4
Bridge Deck Grooving	Sq. Yd.	2112		2112
Protective Coat	Sq. Yd.	3307		3307
Concrete Superstructure (Approach Slab)	Cu. Yd.		252.4	252.4
Furnishing and Erecting Structural Steel	Pound	6030		6030
Stud Shear Connectors	Each	9744		9744
Reinforcement Bars, Epoxy Coated	Pound	278220	11900	290120
Bar Splicers	Each	2102	168	2270
Name Plates	Each		2	2
Elastomeric Bearing Assembly, Type I	Each	28		28
Anchor Bolts, 1"	Each	56		56
Temporary Sheet Piling	Sq. Ft.		2424	2424
Granular Backfill for Structures	Cu. Yd.		391	391
Concrete Sealer	Sq. Ft.		865	865
Geocomposite Wall Drain	Sq. Yd.		190	190
Structural Repair of Concrete (Depth Equal to or Less Than 5 inches)	Sq. Ft.		8	8
Drainage Scuppers, DS-11	Each	12		12
Pipe Underdrains For Structures 4"	Foot		278	278
Jack and Remove Existing Bearings	Each	28		28

DESIGNED -	DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022
CHECKED -	RYAN P. NEGANGARD	PASSED	REVISED -
DRAWN -	DENNIS A. POP		REVISED -
CHECKED -	D.H.R. / R.P.N. / G.R.A.		

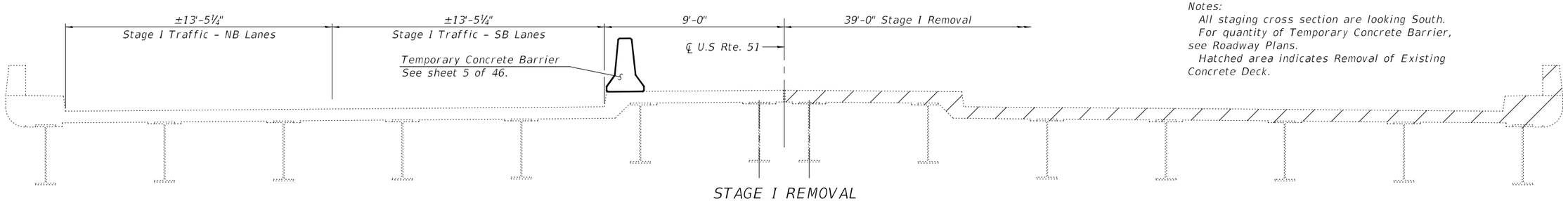
ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 026-0032
SHEET 2 OF 46 SHEETS

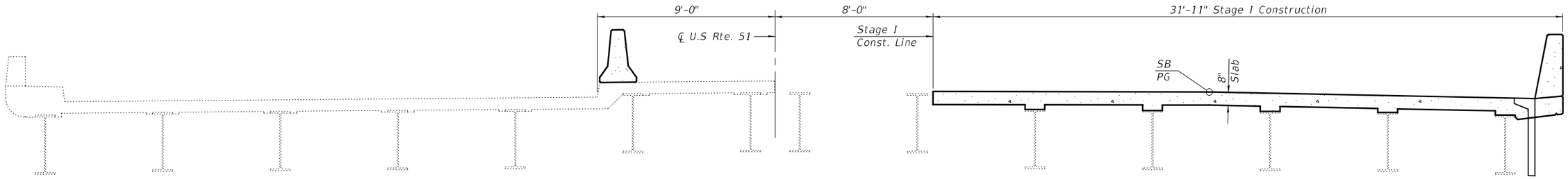
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	21
		CONTRACT NO. 74983		
		ILLINOIS	FED. AID PROJECT	

MODEL: 026032-74983-002
FILE NAME: pw:\\dot-pwbentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\026032\CADD Plans\026032-74983.dgn
10/13/2022 11:51:46 AM

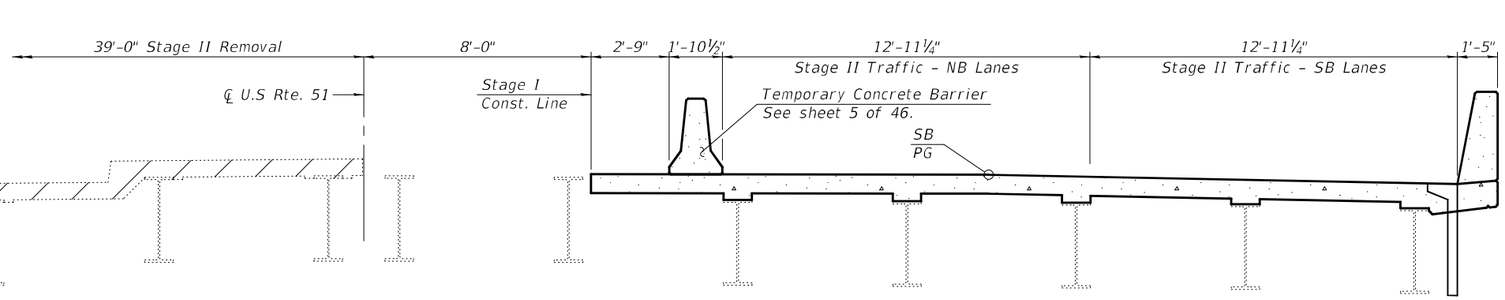


Notes:
All staging cross section are looking South.
For quantity of Temporary Concrete Barrier, see Roadway Plans.
Hatched area indicates Removal of Existing Concrete Deck.

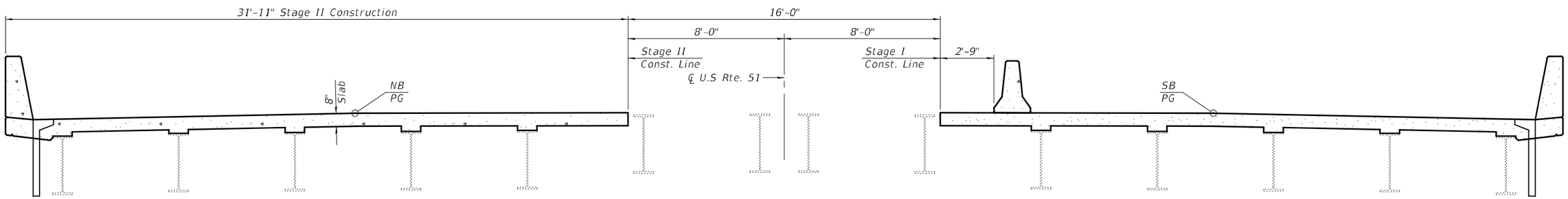
STAGE I REMOVAL



STAGE I CONSTRUCTION



STAGE II REMOVAL

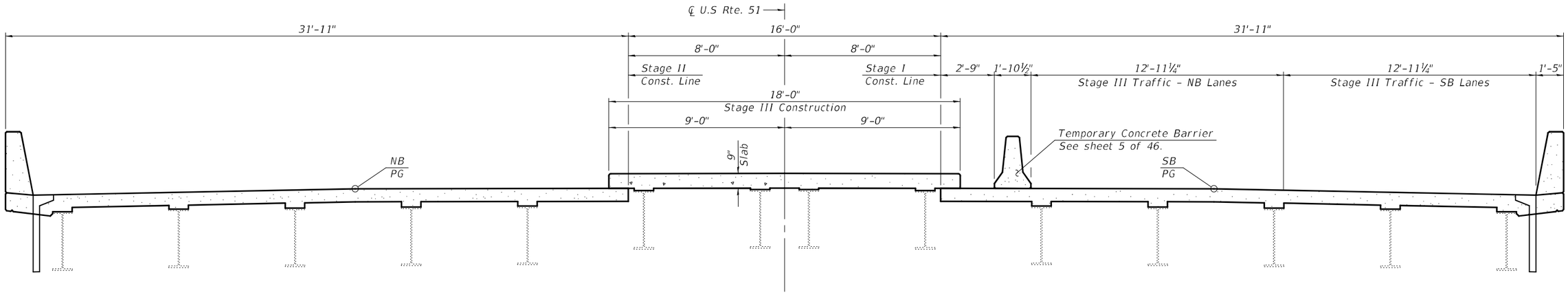


STAGE II CONSTRUCTION

DESIGNED - DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**	**STAGE CONSTRUCTION DETAILS** **STRUCTURE NO. 026-0032**	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - RYAN P. NEGANGARD					322	(26-2)B	FAYETTE	74	22
DRAWN - DENNIS A. POP	PASSED	REVISED -		SHEET 3 OF 46 SHEETS			CONTRACT NO. 74983		
CHECKED - D.H.R. / R.P.N. / G.R.A.		REVISED -					ILLINOIS	FED. AID PROJECT	

ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

MODEL: 0260032-74983-003
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:00 AM



STAGE III CONSTRUCTION

Note:
See sheet 3 of 46 for notes.

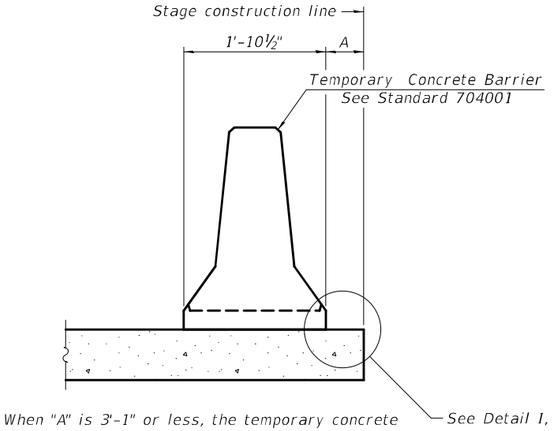
MODEL: 0260032-74983-004
FILE NAME: pw:\\fdot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn

10/13/2022 11:52:01 AM

DESIGNED - DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
CHECKED - RYAN P. NEGANGARD			
DRAWN - DENNIS A. POP	PASSED	REVISED -	
CHECKED - D.H.R. / R.P.N. / G.R.A.	ENGINEER OF BRIDGE DESIGN	REVISED -	
	ENGINEER OF BRIDGES AND STRUCTURES		

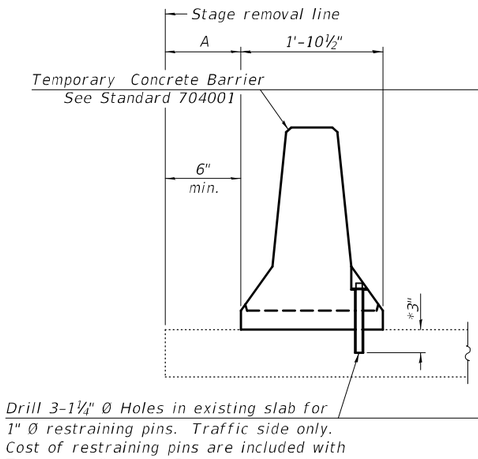
STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 026-0032
SHEET 4 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	23
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		



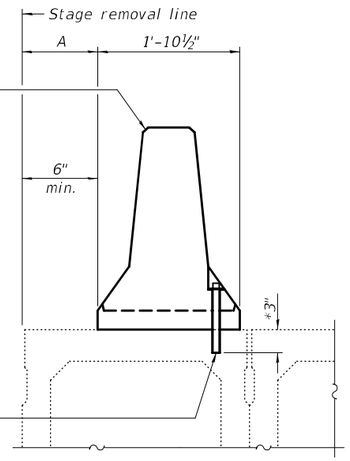
When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



Drill 3-1¼" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

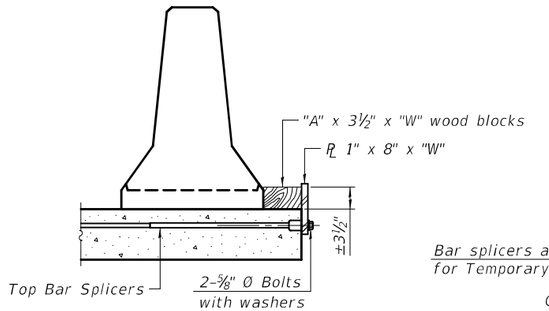
EXISTING SLAB



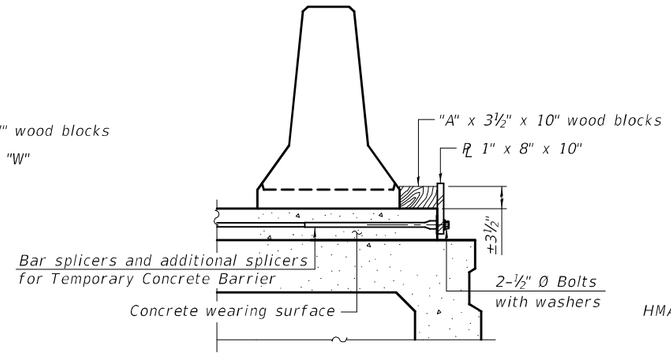
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

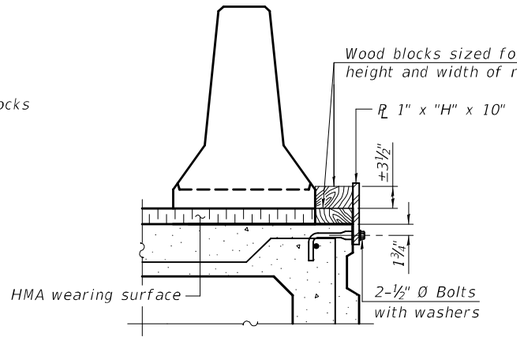
SECTIONS THRU SLAB OR DECK BEAM



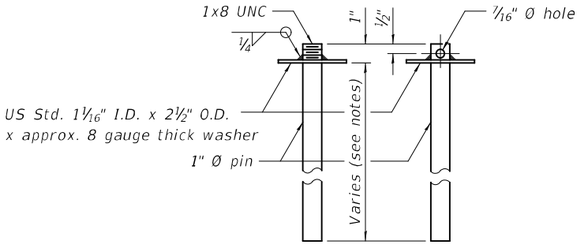
DETAIL I



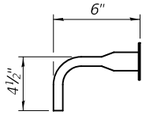
DETAIL II



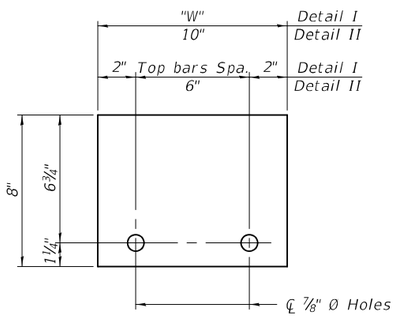
DETAIL III



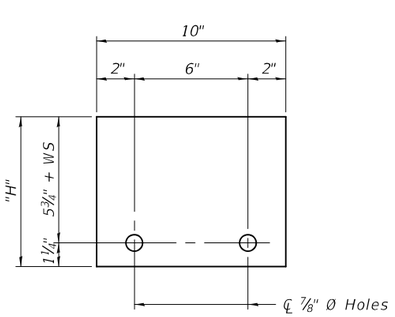
RESTRAINING PIN



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER ℄ 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER ℄ 1" x "H" x 10"
(Detail III)

Notes:

Cost of retainer assembly is included with Temporary Concrete Barrier.

A retainer assembly shall be located at the approximate ℄ of each temporary concrete barrier.

The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.

When the 'A' dimension is less than 1½", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

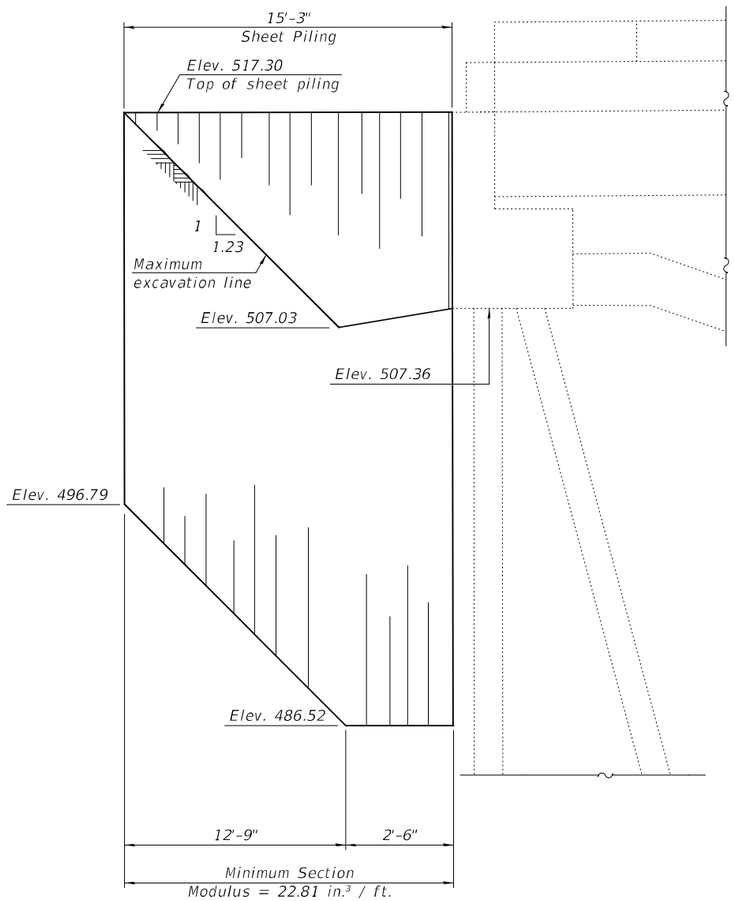
R-27

10-12-2021

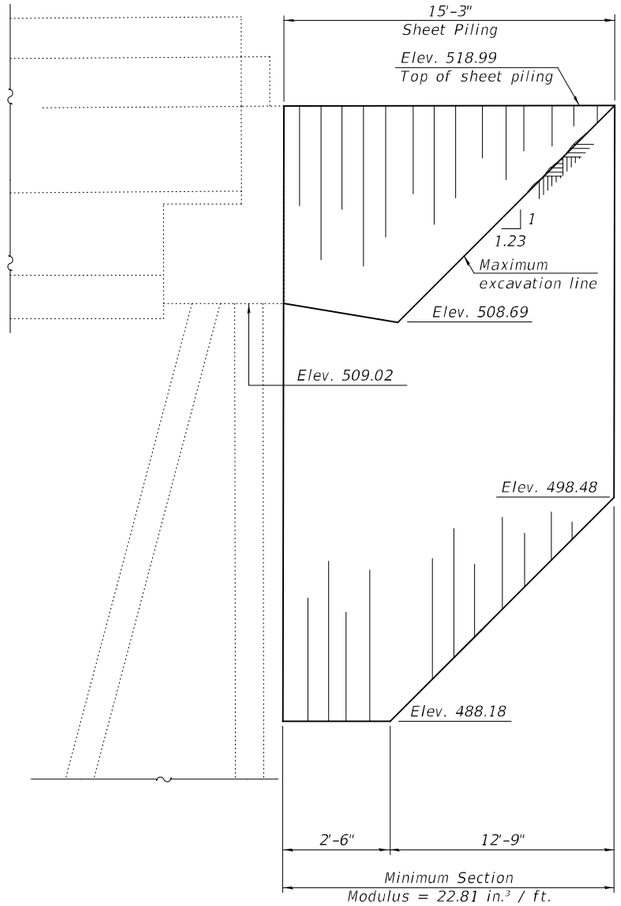
DESIGNED - DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CONCRETE BARRIER STRUCTURE NO. 026-0032	
CHECKED - RYAN P. NEGANGARD	PASSED	REVISED -			
DRAWN - DENNIS A. POP		REVISED -		SHEET 5 OF 46 SHEETS	
CHECKED - D.H.R. / R.P.N. / G.R.A.	ENGINEER OF BRIDGE DESIGN				
10/13/2022 11:52:01 AM	ENGINEER OF BRIDGES AND STRUCTURES				

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	24
		CONTRACT NO. 74983		
	ILLINOIS FED. AID PROJECT			

MODEL: 0260032-74983-005
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn



TEMPORARY SHEET PILING
(North Abutment - Looking East)

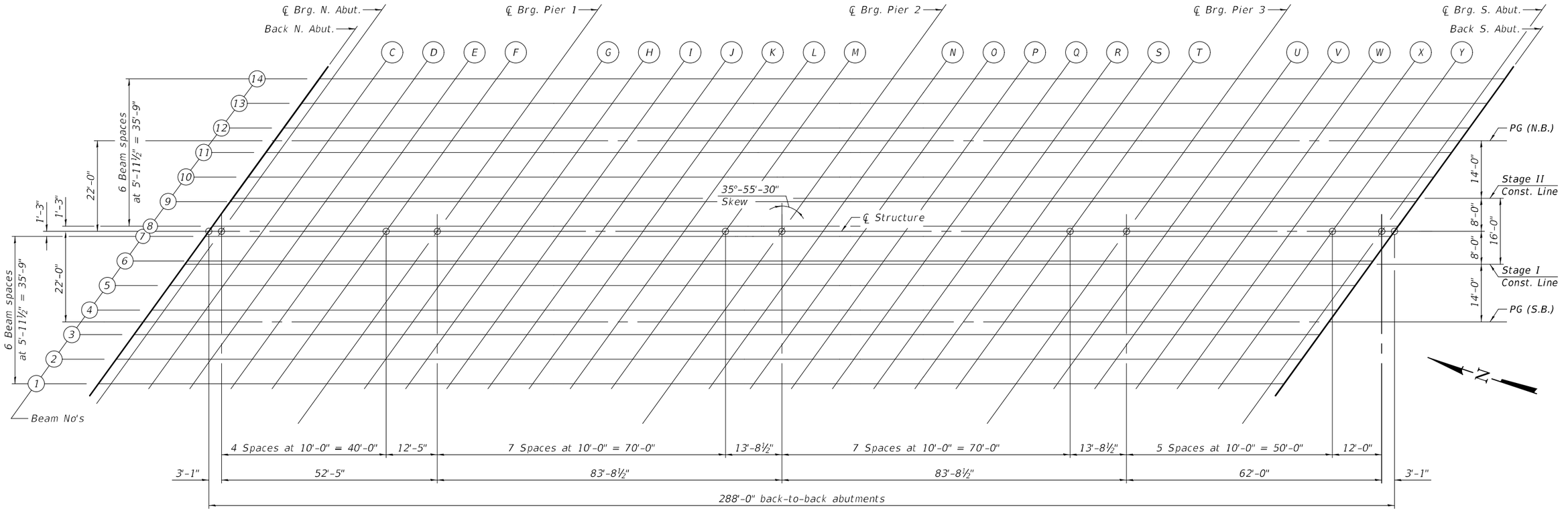


TEMPORARY SHEET PILING
(South Abutment - Looking East)

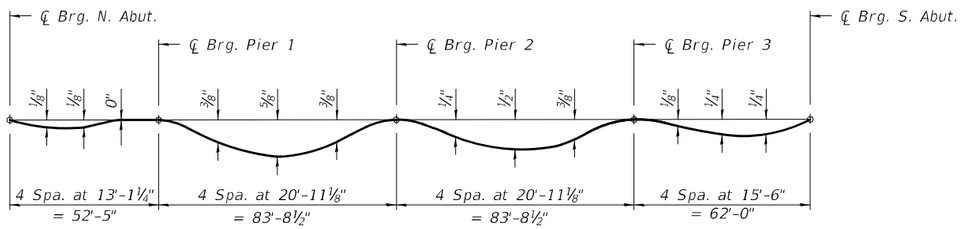
Notes:
If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
All sheet piling similar at all stages.

DESIGNED - DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**TEMPORARY SHEET PILING STRUCTURE NO. 026-0032**	F.A.P. RTE. 322 / SECTION (26-2)B / COUNTY FAYETTE / TOTAL SHEETS 74 / SHEET NO. 25
CHECKED - RYAN P. NEGANGARD	PASSED	REVISED -		SHEET 6 OF 46 SHEETS	CONTRACT NO. 74983
DRAWN - DENNIS A. POP	ENGINEER OF BRIDGE DESIGN	REVISED -			ILLINOIS / FED. AID PROJECT
CHECKED - D.H.R. / R.P.N. / G.P.A.	ENGINEER OF BRIDGES AND STRUCTURES				

MODEL: 0260032-74983-006
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:02 AM



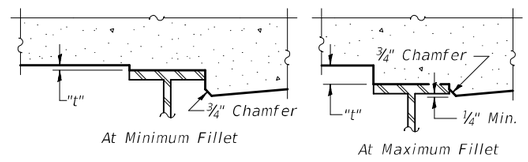
PLAN



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the Engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets 8 thru 14 of 46.



To determine "t", Elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 8 thru 14 of 46, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

DESIGNED - DAVID H. RICHTER	EXAMINED		DATE - October 13, 2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOP OF SLAB ELEVATIONS STRUCTURE NO. 026-0032	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - RYAN P. NEGANGARD						322	(26-2)B	FAYETTE	74	26
DRAWN - DENNIS A. POP	PASSED	ENGINEER OF BRIDGE DESIGN	REVISED -		SHEET 7 OF 46 SHEETS			CONTRACT NO. 74983		
CHECKED - D.H.R. / R.P.N. / G.R.A.		ENGINEER OF BRIDGES AND STRUCTURES	REVISED -					ILLINOIS	FED. AID PROJECT	

MODEL: 0260032-74983-007
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT Documents\DOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:03 AM

BEAM 14

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+87.90	-37.00	516.06	516.06
℄ Brg. N. Abut.	45+90.99	-37.00	516.08	516.08
C	46+00.99	-37.00	516.14	516.14
D	46+10.99	-37.00	516.20	516.20
E	46+20.99	-37.00	516.26	516.26
F	46+30.99	-37.00	516.32	516.32
℄ Brg. Pier 1	46+43.40	-37.00	516.39	516.39
G	46+53.40	-37.00	516.45	516.47
H	46+63.40	-37.00	516.51	516.54
I	46+73.40	-37.00	516.57	516.61
J	46+83.40	-37.00	516.63	516.68
K	46+93.40	-37.00	516.69	516.73
L	47+03.40	-37.00	516.75	516.78
M	47+13.40	-37.00	516.81	516.83
℄ Brg. Pier 2	47+27.11	-37.00	516.89	516.89
N	47+37.11	-37.00	516.95	516.96
O	47+47.11	-37.00	517.01	517.03
P	47+57.11	-37.00	517.07	517.10
Q	47+67.11	-37.00	517.13	517.18
R	47+77.11	-37.00	517.19	517.23
S	47+87.11	-37.00	517.25	517.28
T	47+97.11	-37.00	517.31	517.33
℄ Brg. Pier 3	48+10.82	-37.00	517.39	517.39
U	48+20.82	-37.00	517.45	517.46
V	48+30.82	-37.00	517.51	517.53
W	48+40.82	-37.00	517.57	517.60
X	48+50.82	-37.00	517.63	517.66
Y	48+60.82	-37.00	517.69	517.71
℄ Brg. S. Abut.	48+72.82	-37.00	517.77	517.77
Bk. S. Abut.	48+75.90	-37.00	517.79	517.79

BEAM 13

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+83.58	-31.04	516.15	516.15
℄ Brg. N. Abut.	45+86.67	-31.04	516.17	516.17
C	45+96.67	-31.04	516.23	516.23
D	46+06.67	-31.04	516.29	516.30
E	46+16.67	-31.04	516.35	516.35
F	46+26.67	-31.04	516.41	516.41
℄ Brg. Pier 1	46+39.09	-31.04	516.48	516.48
G	46+49.09	-31.04	516.54	516.56
H	46+59.09	-31.04	516.60	516.64
I	46+69.09	-31.04	516.66	516.71
J	46+79.09	-31.04	516.72	516.77
K	46+89.09	-31.04	516.78	516.83
L	46+99.09	-31.04	516.84	516.87
M	47+09.09	-31.04	516.90	516.92
℄ Brg. Pier 2	47+22.79	-31.04	516.99	516.99
N	47+32.79	-31.04	517.05	517.06
O	47+42.79	-31.04	517.11	517.13
P	47+52.79	-31.04	517.17	517.20
Q	47+62.79	-31.04	517.23	517.27
R	47+72.79	-31.04	517.29	517.32
S	47+82.79	-31.04	517.35	517.38
T	47+92.79	-31.04	517.41	517.42
℄ Brg. Pier 3	48+06.50	-31.04	517.49	517.49
U	48+16.50	-31.04	517.55	517.55
V	48+26.50	-31.04	517.61	517.62
W	48+36.50	-31.04	517.67	517.69
X	48+46.50	-31.04	517.73	517.75
Y	48+56.50	-31.04	517.79	517.80
℄ Brg. S. Abut.	48+68.50	-31.04	517.86	517.86
Bk. S. Abut.	48+71.58	-31.04	517.88	517.88

BEAM 12

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+79.26	-25.08	516.24	516.24
℄ Brg. N. Abut.	45+82.35	-25.08	516.26	516.26
C	45+92.35	-25.08	516.32	516.33
D	46+02.35	-25.08	516.38	516.39
E	46+12.35	-25.08	516.44	516.45
F	46+22.35	-25.08	516.50	516.50
℄ Brg. Pier 1	46+34.77	-25.08	516.58	516.58
G	46+44.77	-25.08	516.64	516.65
H	46+54.77	-25.08	516.70	516.73
I	46+64.77	-25.08	516.76	516.80
J	46+74.77	-25.08	516.82	516.87
K	46+84.77	-25.08	516.88	516.92
L	46+94.77	-25.08	516.94	516.97
M	47+04.77	-25.08	517.00	517.02
℄ Brg. Pier 2	47+18.48	-25.08	517.08	517.08
N	47+28.48	-25.08	517.14	517.15
O	47+38.48	-25.08	517.20	517.22
P	47+48.48	-25.08	517.26	517.29
Q	47+58.48	-25.08	517.32	517.36
R	47+68.48	-25.08	517.38	517.42
S	47+78.48	-25.08	517.44	517.47
T	47+88.48	-25.08	517.50	517.52
℄ Brg. Pier 3	48+02.18	-25.08	517.58	517.58
U	48+12.18	-25.08	517.64	517.65
V	48+22.18	-25.08	517.70	517.72
W	48+32.18	-25.08	517.76	517.78
X	48+42.18	-25.08	517.82	517.84
Y	48+52.18	-25.08	517.88	517.90
℄ Brg. S. Abut.	48+64.18	-25.08	517.95	517.95
Bk. S. Abut.	48+67.26	-25.08	517.97	517.97

Note:
Offsets are from ℄ of Structure

MODEL: 0260032-74983-008
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn

DESIGNED -	DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022
CHECKED -	RYAN P. NEGANGARD		
DRAWN -	DENNIS A. POP	PASSED	REVISED -
CHECKED -	D.H.R. / R.P.N. / G.R.A.		REVISED -

ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

10/13/2022 11:52:04 AM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 026-0032
SHEET 8 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	27
		CONTRACT NO. 74983		
		ILLINOIS	FED. AID PROJECT	

NORTHBOUND PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+77.03	-22.00	516.29	516.29
℄ Brg. N. Abut.	45+80.12	-22.00	516.31	516.31
C	45+90.12	-22.00	516.37	516.38
D	46+00.12	-22.00	516.43	516.44
E	46+10.12	-22.00	516.49	516.50
F	46+20.12	-22.00	516.55	516.55
℄ Brg. Pier 1	46+32.53	-22.00	516.63	516.63
G	46+42.53	-22.00	516.69	516.70
H	46+52.53	-22.00	516.75	516.78
I	46+62.53	-22.00	516.81	516.85
J	46+72.53	-22.00	516.87	516.92
K	46+82.53	-22.00	516.93	516.97
L	46+92.53	-22.00	516.99	517.02
M	47+02.53	-22.00	517.05	517.06
℄ Brg. Pier 2	47+16.24	-22.00	517.13	517.13
N	47+26.24	-22.00	517.19	517.20
O	47+36.24	-22.00	517.25	517.27
P	47+46.24	-22.00	517.31	517.34
Q	47+56.24	-22.00	517.37	517.41
R	47+66.24	-22.00	517.43	517.47
S	47+76.24	-22.00	517.49	517.52
T	47+86.24	-22.00	517.55	517.57
℄ Brg. Pier 3	47+99.95	-22.00	517.63	517.63
U	48+09.95	-22.00	517.69	517.70
V	48+19.95	-22.00	517.75	517.76
W	48+29.95	-22.00	517.81	517.83
X	48+39.95	-22.00	517.87	517.89
Y	48+49.95	-22.00	517.93	517.95
℄ Brg. S. Abut.	48+61.95	-22.00	518.00	518.00
Bk. S. Abut.	48+65.03	-22.00	518.02	518.02

BEAM 11

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+74.95	-19.13	516.32	516.32
℄ Brg. N. Abut.	45+78.03	-19.13	516.34	516.34
C	45+88.03	-19.13	516.40	516.41
D	45+98.03	-19.13	516.46	516.47
E	46+08.03	-19.13	516.52	516.53
F	46+18.03	-19.13	516.58	516.58
℄ Brg. Pier 1	46+30.45	-19.13	516.66	516.66
G	46+40.45	-19.13	516.72	516.73
H	46+50.45	-19.13	516.78	516.81
I	46+60.45	-19.13	516.84	516.88
J	46+70.45	-19.13	516.90	516.95
K	46+80.45	-19.13	516.96	517.00
L	46+90.45	-19.13	517.02	517.05
M	47+00.45	-19.13	517.08	517.09
℄ Brg. Pier 2	47+14.16	-19.13	517.16	517.16
N	47+24.16	-19.13	517.22	517.23
O	47+34.16	-19.13	517.28	517.30
P	47+44.16	-19.13	517.34	517.37
Q	47+54.16	-19.13	517.40	517.44
R	47+64.16	-19.13	517.46	517.50
S	47+74.16	-19.13	517.52	517.55
T	47+84.16	-19.13	517.58	517.60
℄ Brg. Pier 3	47+97.87	-19.13	517.66	517.66
U	48+07.87	-19.13	517.72	517.73
V	48+17.87	-19.13	517.78	517.79
W	48+27.87	-19.13	517.84	517.86
X	48+37.87	-19.13	517.90	517.92
Y	48+47.87	-19.13	517.96	517.98
℄ Brg. S. Abut.	48+59.87	-19.13	518.03	518.03
Bk. S. Abut.	48+62.94	-19.13	518.05	518.05

BEAM 10

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+70.63	-13.17	516.39	516.39
℄ Brg. N. Abut.	45+73.72	-13.17	516.40	516.40
C	45+83.72	-13.17	516.46	516.47
D	45+93.72	-13.17	516.52	516.53
E	46+03.72	-13.17	516.58	516.59
F	46+13.72	-13.17	516.64	516.64
℄ Brg. Pier 1	46+26.13	-13.17	516.72	516.72
G	46+36.13	-13.17	516.78	516.80
H	46+46.13	-13.17	516.84	516.87
I	46+56.13	-13.17	516.90	516.94
J	46+66.13	-13.17	516.96	517.01
K	46+76.13	-13.17	517.02	517.06
L	46+86.13	-13.17	517.08	517.11
M	46+96.13	-13.17	517.14	517.16
℄ Brg. Pier 2	47+09.84	-13.17	517.22	517.22
N	47+19.84	-13.17	517.28	517.29
O	47+29.84	-13.17	517.34	517.36
P	47+39.84	-13.17	517.40	517.43
Q	47+49.84	-13.17	517.46	517.50
R	47+59.84	-13.17	517.52	517.56
S	47+69.84	-13.17	517.58	517.61
T	47+79.84	-13.17	517.64	517.66
℄ Brg. Pier 3	47+93.55	-13.17	517.72	517.72
U	48+03.55	-13.17	517.78	517.79
V	48+13.55	-13.17	517.84	517.86
W	48+23.55	-13.17	517.90	517.93
X	48+33.55	-13.17	517.96	517.99
Y	48+43.55	-13.17	518.02	518.04
℄ Brg. S. Abut.	48+55.55	-13.17	518.10	518.10
Bk. S. Abut.	48+58.63	-13.17	518.11	518.11

Note:
Offsets are from ℄ of Structure

DESIGNED -	DAVID H. RICHTER	EXAMINED	
CHECKED -	RYAN P. NEGANGARD		ENGINEER OF BRIDGE DESIGN
DRAWN -	DENNIS A. POP	PASSED	
CHECKED -	D.H.R. / R.P.N. / G.R.A.		ENGINEER OF BRIDGES AND STRUCTURES
10/13/2022 11:52:04 AM		DATE - October 13, 2022	
		REVISED -	
		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 026-0032
SHEET 9 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	28
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		

* The elevations shown are projected along the roadway elevations and do not represent the top of the median.

** The elevations shown are along the top of the median.

*STAGE II CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+66.89	-8.00	516.44	516.44
℄ Brg. N. Abut.	45+69.97	-8.00	516.46	516.46
C	45+79.97	-8.00	516.52	516.53
D	45+89.97	-8.00	516.58	516.59
E	45+99.97	-8.00	516.64	516.64
F	46+09.97	-8.00	516.70	516.70
℄ Brg. Pier 1	46+22.39	-8.00	516.77	516.77
G	46+32.39	-8.00	516.83	516.85
H	46+42.39	-8.00	516.89	516.93
I	46+52.39	-8.00	516.95	517.00
J	46+62.39	-8.00	517.01	517.07
K	46+72.39	-8.00	517.07	517.12
L	46+82.39	-8.00	517.13	517.17
M	46+92.39	-8.00	517.19	517.21
℄ Brg. Pier 2	47+06.10	-8.00	517.28	517.28
N	47+16.10	-8.00	517.34	517.35
O	47+26.10	-8.00	517.40	517.42
P	47+36.10	-8.00	517.46	517.49
Q	47+46.10	-8.00	517.52	517.56
R	47+56.10	-8.00	517.58	517.61
S	47+66.10	-8.00	517.64	517.67
T	47+76.10	-8.00	517.70	517.71
℄ Brg. Pier 3	47+89.81	-8.00	517.78	517.78
U	47+99.81	-8.00	517.84	517.85
V	48+09.81	-8.00	517.90	517.91
W	48+19.81	-8.00	517.96	517.98
X	48+29.81	-8.00	518.02	518.04
Y	48+39.81	-8.00	518.08	518.10
℄ Brg. S. Abut.	48+51.81	-8.00	518.15	518.15
Bk. S. Abut.	48+54.88	-8.00	518.17	518.17

**BEAM 9

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+66.31	-7.21	517.20	517.20
℄ Brg. N. Abut.	45+69.40	-7.21	517.22	517.22
C	45+79.40	-7.21	517.28	517.28
D	45+89.40	-7.21	517.34	517.35
E	45+99.40	-7.21	517.40	517.40
F	46+09.40	-7.21	517.46	517.46
℄ Brg. Pier 1	46+21.82	-7.21	517.53	517.53
G	46+31.82	-7.21	517.59	517.61
H	46+41.82	-7.21	517.65	517.69
I	46+51.82	-7.21	517.71	517.76
J	46+61.82	-7.21	517.77	517.82
K	46+71.82	-7.21	517.83	517.88
L	46+81.82	-7.21	517.89	517.92
M	46+91.82	-7.21	517.95	517.97
℄ Brg. Pier 2	47+05.53	-7.21	518.04	518.04
N	47+15.53	-7.21	518.10	518.11
O	47+25.53	-7.21	518.16	518.18
P	47+35.53	-7.21	518.22	518.25
Q	47+45.53	-7.21	518.28	518.32
R	47+55.53	-7.21	518.34	518.37
S	47+65.53	-7.21	518.40	518.43
T	47+75.53	-7.21	518.46	518.47
℄ Brg. Pier 3	47+89.23	-7.21	518.54	518.54
U	47+99.23	-7.21	518.60	518.60
V	48+09.23	-7.21	518.66	518.67
W	48+19.23	-7.21	518.72	518.74
X	48+29.23	-7.21	518.78	518.80
Y	48+39.23	-7.21	518.84	518.85
℄ Brg. S. Abut.	48+51.23	-7.21	518.91	518.91
Bk. S. Abut.	48+54.31	-7.21	518.93	518.93

**BEAM 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+62.00	-1.25	517.26	517.26
℄ Brg. N. Abut.	45+65.08	-1.25	517.28	517.28
C	45+75.08	-1.25	517.34	517.35
D	45+85.08	-1.25	517.40	517.41
E	45+95.08	-1.25	517.46	517.47
F	46+05.08	-1.25	517.52	517.52
℄ Brg. Pier 1	46+17.50	-1.25	517.60	517.60
G	46+27.50	-1.25	517.66	517.67
H	46+37.50	-1.25	517.72	517.75
I	46+47.50	-1.25	517.78	517.82
J	46+57.50	-1.25	517.84	517.89
K	46+67.50	-1.25	517.90	517.94
L	46+77.50	-1.25	517.96	517.99
M	46+87.50	-1.25	518.02	518.03
℄ Brg. Pier 2	47+01.21	-1.25	518.10	518.10
N	47+11.21	-1.25	518.16	518.17
O	47+21.21	-1.25	518.22	518.24
P	47+31.21	-1.25	518.28	518.31
Q	47+41.21	-1.25	518.34	518.38
R	47+51.21	-1.25	518.40	518.44
S	47+61.21	-1.25	518.46	518.49
T	47+71.21	-1.25	518.52	518.54
℄ Brg. Pier 3	47+84.92	-1.25	518.60	518.60
U	47+94.92	-1.25	518.66	518.67
V	48+04.92	-1.25	518.72	518.74
W	48+14.92	-1.25	518.78	518.80
X	48+24.92	-1.25	518.84	518.86
Y	48+34.92	-1.25	518.90	518.92
℄ Brg. S. Abut.	48+46.92	-1.25	518.97	518.97
Bk. S. Abut.	48+49.99	-1.25	518.99	518.99

Note:
Offsets are from ℄ of Structure

DESIGNED -	DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022
CHECKED -	RYAN P. NEGANGARD		
DRAWN -	DENNIS A. POP	PASSED	REVISED -
CHECKED -	D.H.R. / R.P.N. / G.R.A.		REVISED -

ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 026-0032
SHEET 10 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	29
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		

** The elevations shown are along the top of the median.

**℄ STRUCTURE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+61.09	0.00	517.28	517.28
℄ Brg. N. Abut.	45+64.18	0.00	517.30	517.30
C	45+74.18	0.00	517.36	517.36
D	45+84.18	0.00	517.42	517.42
E	45+94.18	0.00	517.48	517.48
F	46+04.18	0.00	517.54	517.54
℄ Brg. Pier 1	46+16.59	0.00	517.61	517.61
G	46+26.59	0.00	517.67	517.69
H	46+36.59	0.00	517.73	517.76
I	46+46.59	0.00	517.79	517.83
J	46+56.59	0.00	517.85	517.90
K	46+66.59	0.00	517.91	517.95
L	46+76.59	0.00	517.97	518.00
M	46+86.59	0.00	518.03	518.05
℄ Brg. Pier 2	47+00.30	0.00	518.11	518.11
N	47+10.30	0.00	518.17	518.18
O	47+20.30	0.00	518.23	518.25
P	47+30.30	0.00	518.29	518.32
Q	47+40.30	0.00	518.35	518.39
R	47+50.30	0.00	518.41	518.45
S	47+60.30	0.00	518.47	518.50
T	47+70.30	0.00	518.53	518.55
℄ Brg. Pier 3	47+84.01	0.00	518.61	518.61
U	47+94.01	0.00	518.67	518.68
V	48+04.01	0.00	518.73	518.75
W	48+14.01	0.00	518.79	518.82
X	48+24.01	0.00	518.85	518.88
Y	48+34.01	0.00	518.91	518.93
℄ Brg. S. Abut.	48+46.01	0.00	518.99	518.99
Bk. S. Abut.	48+49.09	0.00	519.00	519.00

**BEAM 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+60.19	1.25	517.25	517.25
℄ Brg. N. Abut.	45+63.27	1.25	517.27	517.27
C	45+73.27	1.25	517.33	517.34
D	45+83.27	1.25	517.39	517.40
E	45+93.27	1.25	517.45	517.46
F	46+03.27	1.25	517.51	517.51
℄ Brg. Pier 1	46+15.69	1.25	517.59	517.59
G	46+25.69	1.25	517.65	517.66
H	46+35.69	1.25	517.71	517.74
I	46+45.69	1.25	517.77	517.81
J	46+55.69	1.25	517.83	517.88
K	46+65.69	1.25	517.89	517.93
L	46+75.69	1.25	517.95	517.98
M	46+85.69	1.25	518.01	518.02
℄ Brg. Pier 2	46+99.40	1.25	518.09	518.09
N	47+09.40	1.25	518.15	518.16
O	47+19.40	1.25	518.21	518.23
P	47+29.40	1.25	518.27	518.30
Q	47+39.40	1.25	518.33	518.37
R	47+49.40	1.25	518.39	518.43
S	47+59.40	1.25	518.45	518.48
T	47+69.40	1.25	518.51	518.53
℄ Brg. Pier 3	47+83.11	1.25	518.59	518.59
U	47+93.11	1.25	518.65	518.66
V	48+03.11	1.25	518.71	518.72
W	48+13.11	1.25	518.77	518.79
X	48+23.11	1.25	518.83	518.85
Y	48+33.11	1.25	518.89	518.91
℄ Brg. S. Abut.	48+45.11	1.25	518.96	518.96
Bk. S. Abut.	48+48.18	1.25	518.98	518.98

**BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+55.87	7.21	517.14	517.14
℄ Brg. N. Abut.	45+58.96	7.21	517.16	517.16
C	45+68.96	7.21	517.22	517.22
D	45+78.96	7.21	517.28	517.28
E	45+88.96	7.21	517.34	517.34
F	45+98.96	7.21	517.40	517.40
℄ Brg. Pier 1	46+11.37	7.21	517.47	517.47
G	46+21.37	7.21	517.53	517.55
H	46+31.37	7.21	517.59	517.62
I	46+41.37	7.21	517.65	517.69
J	46+51.37	7.21	517.71	517.76
K	46+61.37	7.21	517.77	517.81
L	46+71.37	7.21	517.83	517.86
M	46+81.37	7.21	517.89	517.91
℄ Brg. Pier 2	46+95.08	7.21	517.97	517.97
N	47+05.08	7.21	518.03	518.04
O	47+15.08	7.21	518.09	518.11
P	47+25.08	7.21	518.15	518.18
Q	47+35.08	7.21	518.21	518.26
R	47+45.08	7.21	518.27	518.31
S	47+55.08	7.21	518.33	518.36
T	47+65.08	7.21	518.39	518.41
℄ Brg. Pier 3	47+78.79	7.21	518.47	518.47
U	47+88.79	7.21	518.53	518.54
V	47+98.79	7.21	518.59	518.61
W	48+08.79	7.21	518.65	518.68
X	48+18.79	7.21	518.71	518.74
Y	48+28.79	7.21	518.77	518.79
℄ Brg. S. Abut.	48+40.79	7.21	518.85	518.85
Bk. S. Abut.	48+43.87	7.21	518.87	518.87

Note:
Offsets are from ℄ of Structure

MODEL: 026032-74983-011
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\026032\CADD Plans\026032-74983.dgn

DESIGNED - DAVID H. RICHTER	EXAMINED		DATE - October 13, 2022	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**TOP OF SLAB ELEVATIONS STRUCTURE NO. 026-0032**
CHECKED - RYAN P. NEGANGARD		ENGINEER OF BRIDGE DESIGN			SHEET 11 OF 46 SHEETS
DRAWN - DENNIS A. POP	PASSED		REVISED -		
CHECKED - D.H.R. / R.P.N. / G.R.A.		ENGINEER OF BRIDGES AND STRUCTURES	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	30
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		

10/13/2022 11:52:05 AM

* The elevations shown are projected along the roadway elevations and do not represent the top of the median.

*STAGE I CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+55.29	8.00	516.37	516.37
℄ Brg. N. Abut.	45+58.38	8.00	516.39	516.39
C	45+68.38	8.00	516.45	516.46
D	45+78.38	8.00	516.51	516.52
E	45+88.38	8.00	516.57	516.58
F	45+98.38	8.00	516.63	516.63
℄ Brg. Pier 1	46+10.80	8.00	516.70	516.70
G	46+20.80	8.00	516.76	516.78
H	46+30.80	8.00	516.82	516.86
I	46+40.80	8.00	516.88	516.93
J	46+50.80	8.00	516.94	517.00
K	46+60.80	8.00	517.00	517.05
L	46+70.80	8.00	517.06	517.10
M	46+80.80	8.00	517.12	517.14
℄ Brg. Pier 2	46+94.51	8.00	517.21	517.21
N	47+04.51	8.00	517.27	517.28
O	47+14.51	8.00	517.33	517.35
P	47+24.51	8.00	517.39	517.42
Q	47+34.51	8.00	517.45	517.49
R	47+44.51	8.00	517.51	517.55
S	47+54.51	8.00	517.57	517.60
T	47+64.51	8.00	517.63	517.65
℄ Brg. Pier 3	47+78.21	8.00	517.71	517.71
U	47+88.21	8.00	517.77	517.78
V	47+98.21	8.00	517.83	517.84
W	48+08.21	8.00	517.89	517.91
X	48+18.21	8.00	517.95	517.97
Y	48+28.21	8.00	518.01	518.03
℄ Brg. S. Abut.	48+40.21	8.00	518.08	518.08
Bk. S. Abut.	48+43.29	8.00	518.10	518.10

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+51.55	13.17	516.27	516.27
℄ Brg. N. Abut.	45+54.64	13.17	516.29	516.29
C	45+64.64	13.17	516.35	516.36
D	45+74.64	13.17	516.41	516.42
E	45+84.64	13.17	516.47	516.48
F	45+94.64	13.17	516.53	516.53
℄ Brg. Pier 1	46+07.05	13.17	516.60	516.60
G	46+17.05	13.17	516.66	516.68
H	46+27.05	13.17	516.72	516.76
I	46+37.05	13.17	516.78	516.83
J	46+47.05	13.17	516.84	516.90
K	46+57.05	13.17	516.90	516.95
L	46+67.05	13.17	516.96	517.00
M	46+77.05	13.17	517.02	517.04
℄ Brg. Pier 2	46+90.76	13.17	517.11	517.11
N	47+00.76	13.17	517.17	517.18
O	47+10.76	13.17	517.23	517.25
P	47+20.76	13.17	517.29	517.32
Q	47+30.76	13.17	517.35	517.39
R	47+40.76	13.17	517.41	517.45
S	47+50.76	13.17	517.47	517.50
T	47+60.76	13.17	517.53	517.55
℄ Brg. Pier 3	47+74.47	13.17	517.61	517.61
U	47+84.47	13.17	517.67	517.68
V	47+94.47	13.17	517.73	517.74
W	48+04.47	13.17	517.79	517.81
X	48+14.47	13.17	517.85	517.87
Y	48+24.47	13.17	517.91	517.93
℄ Brg. S. Abut.	48+36.47	13.17	517.98	517.98
Bk. S. Abut.	48+39.55	13.17	518.00	518.00

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+47.23	19.12	516.16	516.16
℄ Brg. N. Abut.	45+50.32	19.12	516.18	516.18
C	45+60.32	19.12	516.24	516.24
D	45+70.32	19.12	516.30	516.30
E	45+80.32	19.12	516.36	516.36
F	45+90.32	19.12	516.42	516.42
℄ Brg. Pier 1	46+02.74	19.12	516.49	516.49
G	46+12.74	19.12	516.55	516.57
H	46+22.74	19.12	516.61	516.64
I	46+32.74	19.12	516.67	516.71
J	46+42.74	19.12	516.73	516.78
K	46+52.74	19.12	516.79	516.83
L	46+62.74	19.12	516.85	516.88
M	46+72.74	19.12	516.91	516.93
℄ Brg. Pier 2	46+86.45	19.12	516.99	516.99
N	46+96.45	19.12	517.05	517.06
O	47+06.45	19.12	517.11	517.13
P	47+16.45	19.12	517.17	517.20
Q	47+26.45	19.12	517.23	517.27
R	47+36.45	19.12	517.29	517.33
S	47+46.45	19.12	517.35	517.38
T	47+56.45	19.12	517.41	517.43
℄ Brg. Pier 3	47+70.15	19.12	517.49	517.49
U	47+80.15	19.12	517.55	517.56
V	47+90.15	19.12	517.61	517.63
W	48+00.15	19.12	517.67	517.70
X	48+10.15	19.12	517.73	517.76
Y	48+20.15	19.12	517.79	517.81
℄ Brg. S. Abut.	48+32.15	19.12	517.87	517.87
Bk. S. Abut.	48+35.23	19.12	517.88	517.88

Note:
Offsets are from ℄ of Structure

MODEL: 026003 2-74983-012
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\026003 2\CADD Plans\026003 2-74983.dgn

DESIGNED -	DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022
CHECKED -	RYAN P. NEGANGARD		
DRAWN -	DENNIS A. POP	PASSED	REVISED -
CHECKED -	D.H.R. / R.P.N. / G.R.A.		REVISED -

ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

10/13/2022 11:52:05 AM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 026-0032
SHEET 12 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	31
		CONTRACT NO. 74983		
		ILLINOIS	FED. AID PROJECT	

SOUTHBOUND PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+45.15	22.00	516.10	516.10
℄ Brg. N. Abut.	45+48.24	22.00	516.12	516.12
C	45+58.24	22.00	516.18	516.19
D	45+68.24	22.00	516.24	516.25
E	45+78.24	22.00	516.30	516.30
F	45+88.24	22.00	516.36	516.36
℄ Brg. Pier 1	46+00.65	22.00	516.43	516.43
G	46+10.65	22.00	516.49	516.51
H	46+20.65	22.00	516.55	516.59
I	46+30.65	22.00	516.61	516.66
J	46+40.65	22.00	516.67	516.73
K	46+50.65	22.00	516.73	516.78
L	46+60.65	22.00	516.79	516.82
M	46+70.65	22.00	516.85	516.87
℄ Brg. Pier 2	46+84.36	22.00	516.94	516.94
N	46+94.36	22.00	517.00	517.01
O	47+04.36	22.00	517.06	517.08
P	47+14.36	22.00	517.12	517.15
Q	47+24.36	22.00	517.18	517.22
R	47+34.36	22.00	517.24	517.27
S	47+44.36	22.00	517.30	517.33
T	47+54.36	22.00	517.36	517.37
℄ Brg. Pier 3	47+68.07	22.00	517.44	517.44
U	47+78.07	22.00	517.50	517.51
V	47+88.07	22.00	517.56	517.57
W	47+98.07	22.00	517.62	517.64
X	48+08.07	22.00	517.68	517.70
Y	48+18.07	22.00	517.74	517.75
℄ Brg. S. Abut.	48+30.07	22.00	517.81	517.81
Bk. S. Abut.	48+33.15	22.00	517.83	517.83

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+42.92	25.08	516.03	516.03
℄ Brg. N. Abut.	45+46.00	25.08	516.04	516.04
C	45+56.00	25.08	516.10	516.11
D	45+66.00	25.08	516.16	516.17
E	45+76.00	25.08	516.22	516.23
F	45+86.00	25.08	516.28	516.28
℄ Brg. Pier 1	45+98.42	25.08	516.36	516.36
G	46+08.42	25.08	516.42	516.44
H	46+18.42	25.08	516.48	516.51
I	46+28.42	25.08	516.54	516.58
J	46+38.42	25.08	516.60	516.65
K	46+48.42	25.08	516.66	516.70
L	46+58.42	25.08	516.72	516.75
M	46+68.42	25.08	516.78	516.80
℄ Brg. Pier 2	46+82.13	25.08	516.86	516.86
N	46+92.13	25.08	516.92	516.93
O	47+02.13	25.08	516.98	517.00
P	47+12.13	25.08	517.04	517.07
Q	47+22.13	25.08	517.10	517.14
R	47+32.13	25.08	517.16	517.20
S	47+42.13	25.08	517.22	517.25
T	47+52.13	25.08	517.28	517.30
℄ Brg. Pier 3	47+65.84	25.08	517.36	517.36
U	47+75.84	25.08	517.42	517.43
V	47+85.84	25.08	517.48	517.50
W	47+95.84	25.08	517.54	517.57
X	48+05.84	25.08	517.60	517.63
Y	48+15.84	25.08	517.66	517.68
℄ Brg. S. Abut.	48+27.84	25.08	517.74	517.74
Bk. S. Abut.	48+30.91	25.08	517.75	517.75

Note:
Offsets are from ℄ of Structure

MODEL: 026032-74983-013
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\026032\CADD Plans\026032-74983.dgn

DESIGNED	-	DAVID H. RICHTER	
CHECKED	-	RYAN P. NEGANGARD	
DRAWN	-	DENNIS A. POP	
CHECKED	-	D.H.R. / R.P.N. / G.R.A.	

10/13/2022 11:52:05 AM

EXAMINED
ENGINEER OF BRIDGE DESIGN

PASSED
ENGINEER OF BRIDGES AND STRUCTURES

DATE - October 13, 2022

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 026-0032
SHEET 13 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	32
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+38.60	31.04	515.88	515.88
℄ Brg. N. Abut.	45+41.69	31.04	515.90	515.90
C	45+51.69	31.04	515.96	515.96
D	45+61.69	31.04	516.02	516.03
E	45+71.69	31.04	516.08	516.08
F	45+81.69	31.04	516.14	516.14
℄ Brg. Pier 1	45+94.10	31.04	516.21	516.21
G	46+04.10	31.04	516.27	516.29
H	46+14.10	31.04	516.33	516.37
I	46+24.10	31.04	516.39	516.44
J	46+34.10	31.04	516.45	516.51
K	46+44.10	31.04	516.51	516.56
L	46+54.10	31.04	516.57	516.60
M	46+64.10	31.04	516.63	516.65
℄ Brg. Pier 2	46+77.81	31.04	516.72	516.72
N	46+87.81	31.04	516.78	516.79
O	46+97.81	31.04	516.84	516.86
P	47+07.81	31.04	516.90	516.93
Q	47+17.81	31.04	516.96	517.00
R	47+27.81	31.04	517.02	517.05
S	47+37.81	31.04	517.08	517.11
T	47+47.81	31.04	517.14	517.15
℄ Brg. Pier 3	47+61.52	31.04	517.22	517.22
U	47+71.52	31.04	517.28	517.29
V	47+81.52	31.04	517.34	517.35
W	47+91.52	31.04	517.40	517.42
X	48+01.52	31.04	517.46	517.48
Y	48+11.52	31.04	517.52	517.53
℄ Brg. S. Abut.	48+23.52	31.04	517.59	517.59
Bk. S. Abut.	48+26.60	31.04	517.61	517.61

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	45+34.28	37.00	515.74	515.74
℄ Brg. N. Abut.	45+37.37	37.00	515.75	515.75
C	45+47.37	37.00	515.81	515.82
D	45+57.37	37.00	515.87	515.88
E	45+67.37	37.00	515.93	515.94
F	45+77.37	37.00	515.99	515.99
℄ Brg. Pier 1	45+89.79	37.00	516.07	516.07
G	45+99.79	37.00	516.13	516.15
H	46+09.79	37.00	516.19	516.22
I	46+19.79	37.00	516.25	516.29
J	46+29.79	37.00	516.31	516.36
K	46+39.79	37.00	516.37	516.41
L	46+49.79	37.00	516.43	516.46
M	46+59.79	37.00	516.49	516.51
℄ Brg. Pier 2	46+73.50	37.00	516.57	516.57
N	46+83.50	37.00	516.63	516.64
O	46+93.50	37.00	516.69	516.71
P	47+03.50	37.00	516.75	516.78
Q	47+13.50	37.00	516.81	516.85
R	47+23.50	37.00	516.87	516.91
S	47+33.50	37.00	516.93	516.96
T	47+43.50	37.00	516.99	517.01
℄ Brg. Pier 3	47+57.20	37.00	517.07	517.07
U	47+67.20	37.00	517.13	517.14
V	47+77.20	37.00	517.19	517.21
W	47+87.20	37.00	517.25	517.28
X	47+97.20	37.00	517.31	517.34
Y	48+07.20	37.00	517.37	517.39
℄ Brg. S. Abut.	48+19.20	37.00	517.45	517.45
Bk. S. Abut.	48+22.28	37.00	517.46	517.46

Note:
Offsets are from ℄ of Structure

DESIGNED	-	DAVID H. RICHTER	
CHECKED	-	RYAN P. NEGANGARD	
DRAWN	-	DENNIS A. POP	
CHECKED	-	D.H.R. / R.P.N. / G.R.A.	

10/13/2022 11:52:06 AM

EXAMINED — ENGINEER OF BRIDGE DESIGN

PASSED — ENGINEER OF BRIDGES AND STRUCTURES

DATE - October 13, 2022

REVISED -

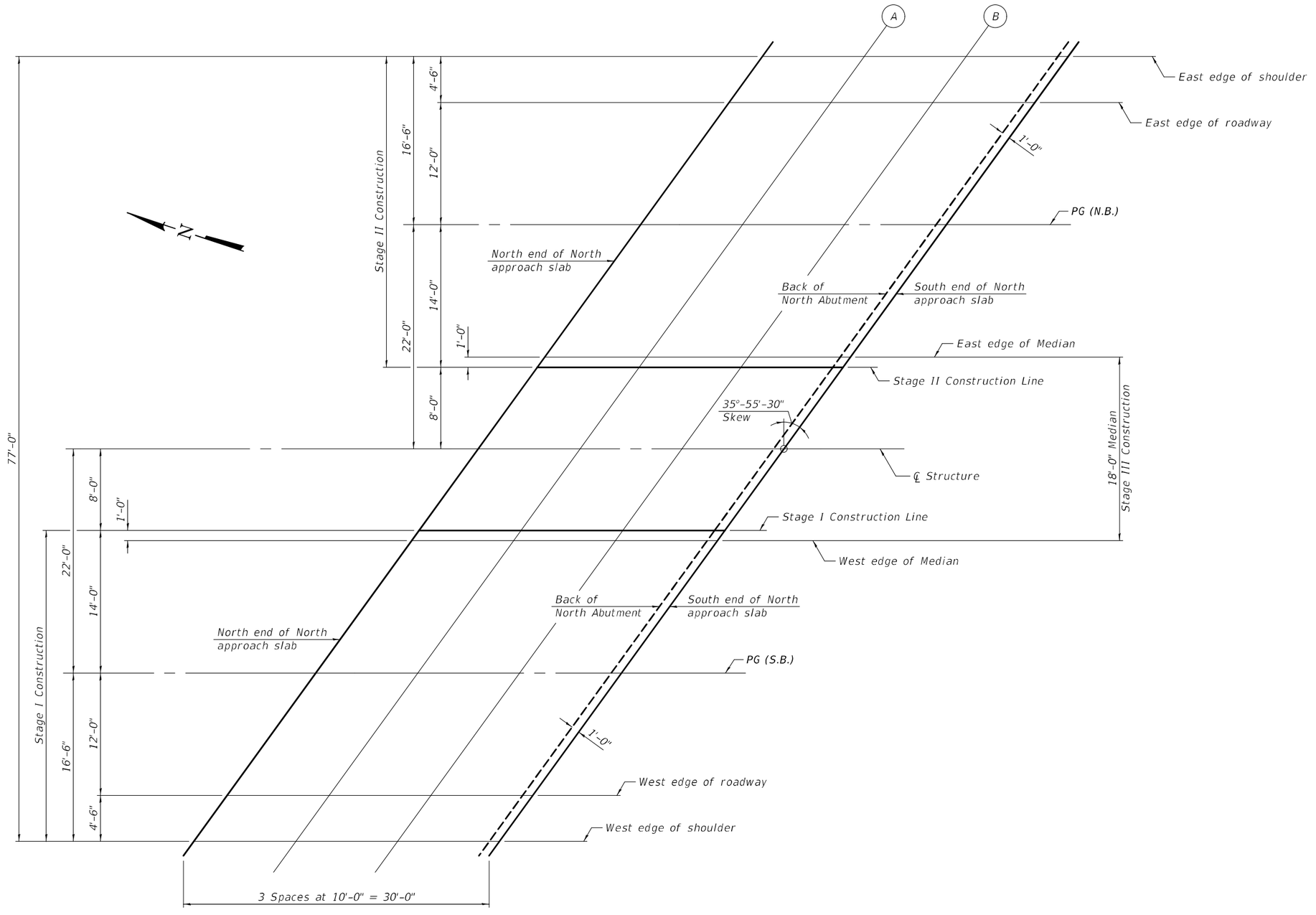
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 026-0032

SHEET 14 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	33
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		



PLAN

DESIGNED - DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**TOP OF NORTH APPROACH SLAB ELEVATIONS STRUCTURE NO. 026-0032**	F.A.P. RTE. 322 / SECTION (26-2)B / COUNTY FAYETTE / TOTAL SHEETS 74 / SHEET NO. 34
CHECKED - RYAN P. NEGANGARD		REVISED -			CONTRACT NO. 74983
DRAWN - DENNIS A. POP	PASSED	REVISED -		SHEET 15 OF 46 SHEETS	ILLINOIS / FED. AID PROJECT
CHECKED - D.H.R. / R.P.N. / G.R.A.	ENGINEER OF BRIDGE DESIGN				
10/13/2022 11:52:06 AM	ENGINEER OF BRIDGES AND STRUCTURES				

MODEL: 0260032-74983-015
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn

* The elevations shown are projected along the roadway elevations and do not represent the top of the median.

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr. Slab	45+60.22	-38.50	515.86
A	45+70.22	-38.50	515.92
B	45+80.22	-38.50	515.98
S. End of N. Appr. Slab	45+90.22	-38.50	516.04

*EAST EDGE OF MEDIAN

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr. Slab	45+38.85	-9.00	516.26
A	45+48.85	-9.00	516.32
B	45+58.85	-9.00	516.38
S. End of N. Appr. Slab	45+68.85	-9.00	516.44

EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr. Slab	45+56.96	-34.00	515.93
A	45+66.96	-34.00	515.99
B	45+76.96	-34.00	516.05
S. End of N. Appr. Slab	45+86.96	-34.00	516.11

*STAGE II CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr. Slab	45+38.12	-8.00	516.27
A	45+48.12	-8.00	516.33
B	45+58.12	-8.00	516.39
S. End of N. Appr. Slab	45+68.12	-8.00	516.45

NORTHBOUND PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr. Slab	45+48.27	-22.00	516.12
A	45+58.27	-22.00	516.18
B	45+68.27	-22.00	516.24
S. End of N. Appr. Slab	45+78.27	-22.00	516.30

*℄ STRUCTURE

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr. Slab	45+32.33	0.00	516.35
A	45+42.33	0.00	516.41
B	45+52.33	0.00	516.47
S. End of N. Appr. Slab	45+62.33	0.00	516.53

Note:
Offsets are from ℄ of Structure

MODEL: 026032-74983-016
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\026032\CADD Plans\026032-74983.dgn
10/13/2022 11:52:07 AM

DESIGNED -	DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022
CHECKED -	RYAN P. NEGANGARD		
DRAWN -	DENNIS A. POP	PASSED	REVISED -
CHECKED -	D.H.R. / R.P.N. / G.R.A.	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

ENGINEER OF BRIDGE DESIGN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 026-0032
SHEET 16 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	35
		CONTRACT NO. 74983		
		ILLINOIS	FED. AID PROJECT	

*STAGE I CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr. Slab	45+26.53	8.00	516.20
A	45+36.53	8.00	516.26
B	45+46.53	8.00	516.32
S. End of N. Appr. Slab	45+56.53	8.00	516.38

*WEST EDGE OF MEDIAN

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr. Slab	45+25.80	9.00	516.18
A	45+35.80	9.00	516.24
B	45+45.80	9.00	516.30
S. End of N. Appr. Slab	45+55.80	9.00	516.36

SOUTHBOUND PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr. Slab	45+16.39	22.00	515.93
A	45+26.39	22.00	515.99
B	45+36.39	22.00	516.05
S. End of N. Appr. Slab	45+46.39	22.00	516.11

* The elevations shown are projected along the roadway elevations and do not represent the top of the median.

WEST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr. Slab	45+07.69	34.00	515.64
A	45+17.69	34.00	515.70
B	45+27.69	34.00	515.76
S. End of N. Appr. Slab	45+37.69	34.00	515.82

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
N. End of N. Appr. Slab	45+04.43	38.50	515.53
A	45+14.43	38.50	515.59
B	45+24.43	38.50	515.65
S. End of N. Appr. Slab	45+34.43	38.50	515.71

Note:
Offsets are from ℄ of Structure

MODEL: 0260032-74983-017
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:07 AM

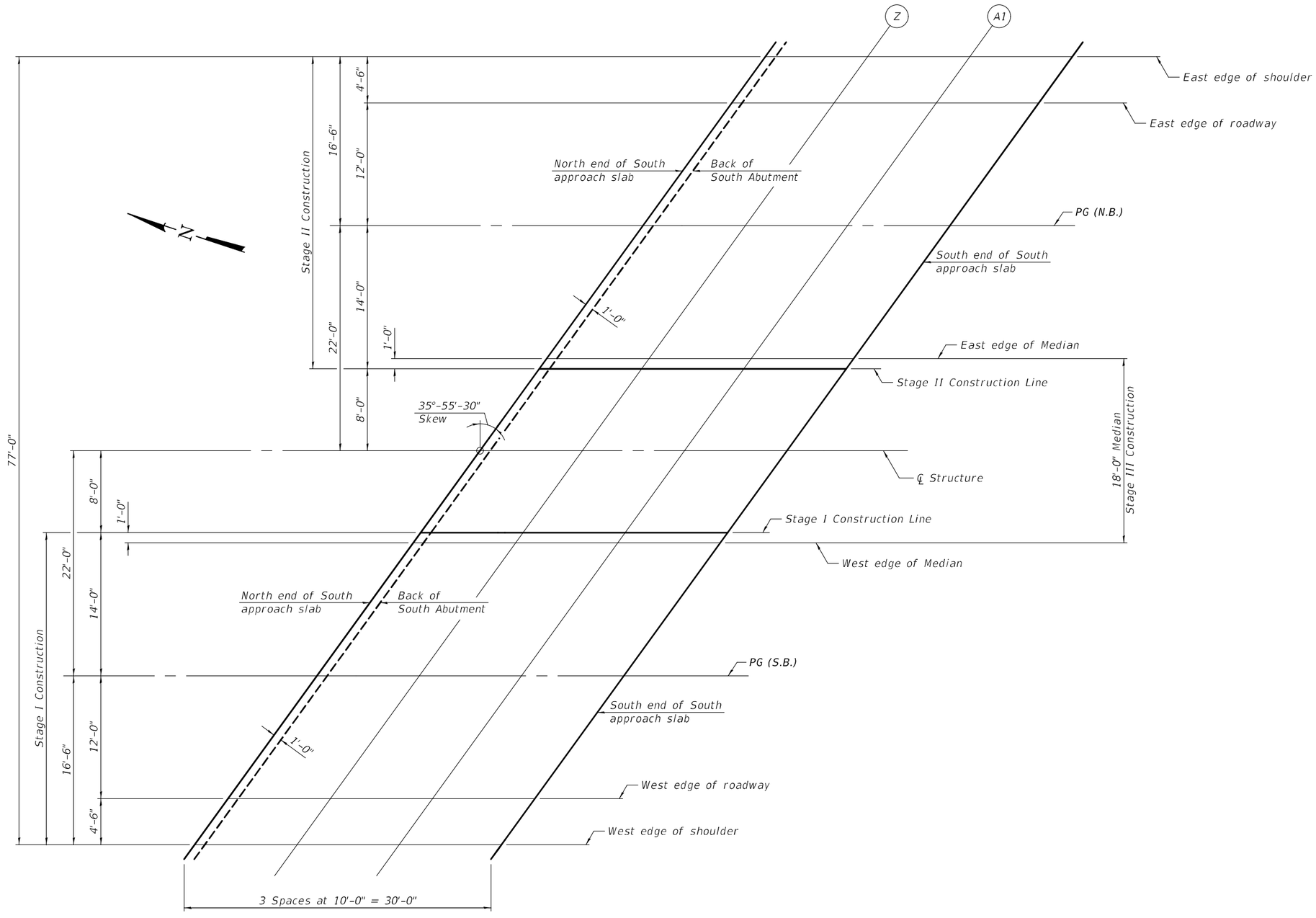
DESIGNED -	DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022
CHECKED -	RYAN P. NEGANGARD		
DRAWN -	DENNIS A. POP	PASSED	REVISED -
CHECKED -	D.H.R. / R.P.N. / G.R.A.	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

ENGINEER OF BRIDGE DESIGN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 026-0032
SHEET 17 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(26-2)B	FAYETTE	74	36
		CONTRACT NO. 74983		
		ILLINOIS	FED. AID PROJECT	



PLAN

MODEL: 0260032-74983-018
FILE NAME: pw:\\ldot-pw.bentley.com:PWIDOT Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:08 AM

DESIGNED - DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**TOP OF SOUTH APPROACH SLAB ELEVATIONS STRUCTURE NO. 026-0032**	F.A.P. RTE. 322 / SECTION (26-2)B / COUNTY FAYETTE / TOTAL SHEETS 74 / SHEET NO. 37
CHECKED - RYAN P. NEGANGARD		REVISED -		SHEET 18 OF 46 SHEETS	CONTRACT NO. 74983
DRAWN - DENNIS A. POP	PASSED	REVISED -			ILLINOIS / FED. AID PROJECT
CHECKED - D.H.R. / R.P.N. / G.R.A.	ENGINEER OF BRIDGE DESIGN ENGINEER OF BRIDGES AND STRUCTURES				

* The elevations shown are projected along the roadway elevations and do not represent the top of the median.

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr. Slab	48+75.75	-38.50	517.75
Z	48+85.75	-38.50	517.81
A1	48+95.75	-38.50	517.87
S. End of S. Appr. Slab	49+05.75	-38.50	517.93

*EAST EDGE OF MEDIAN

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr. Slab	48+54.38	-9.00	518.15
Z	48+64.38	-9.00	518.21
A1	48+74.38	-9.00	518.27
S. End of S. Appr. Slab	48+84.38	-9.00	518.33

EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr. Slab	48+72.49	-34.00	517.82
Z	48+82.49	-34.00	517.88
A1	48+92.49	-34.00	517.94
S. End of S. Appr. Slab	49+02.49	-34.00	518.00

*STAGE II CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr. Slab	48+53.65	-8.00	518.16
Z	48+63.65	-8.00	518.22
A1	48+73.65	-8.00	518.28
S. End of S. Appr. Slab	48+83.65	-8.00	518.34

NORTHBOUND PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr. Slab	48+63.80	-22.00	518.01
Z	48+73.80	-22.00	518.07
A1	48+83.80	-22.00	518.13
S. End of S. Appr. Slab	48+93.80	-22.00	518.19

*℄ STRUCTURE

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr. Slab	48+47.86	0.00	518.25
Z	48+57.86	0.00	518.31
A1	48+67.86	0.00	518.37
S. End of S. Appr. Slab	48+77.86	0.00	518.43

Note:
Offsets are from ℄ of Structure

MODEL: 0260032-74983-019
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:08 AM

DESIGNED -	DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022
CHECKED -	RYAN P. NEGANGARD		
DRAWN -	DENNIS A. POP	PASSED	REVISED -
CHECKED -	D.H.R. / R.P.N. / G.R.A.	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

ENGINEER OF BRIDGE DESIGN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 026-0032
SHEET 19 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	38
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		

* The elevations shown are projected along the roadway elevations and do not represent the top of the median.

*STAGE I CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr. Slab	48+42.06	8.00	518.09
Z	48+52.06	8.00	518.15
A1	48+62.06	8.00	518.21
S. End of S. Appr. Slab	48+72.06	8.00	518.27

*WEST EDGE OF MEDIAN

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr. Slab	48+41.33	9.00	518.07
Z	48+51.33	9.00	518.13
A1	48+61.33	9.00	518.19
S. End of S. Appr. Slab	48+71.33	9.00	518.25

SOUTHBOUND PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr. Slab	48+31.92	22.00	517.82
Z	48+41.92	22.00	517.88
A1	48+51.92	22.00	517.94
S. End of S. Appr. Slab	48+61.92	22.00	518.00

Note:
Offsets are from ℄ of Structure

WEST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr. Slab	48+23.22	34.00	517.53
Z	48+33.22	34.00	517.59
A1	48+43.22	34.00	517.65
S. End of S. Appr. Slab	48+53.22	34.00	517.71

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
N. End of S. Appr. Slab	48+19.96	38.50	517.42
Z	48+29.96	38.50	517.48
A1	48+39.96	38.50	517.54
S. End of S. Appr. Slab	48+49.96	38.50	517.60

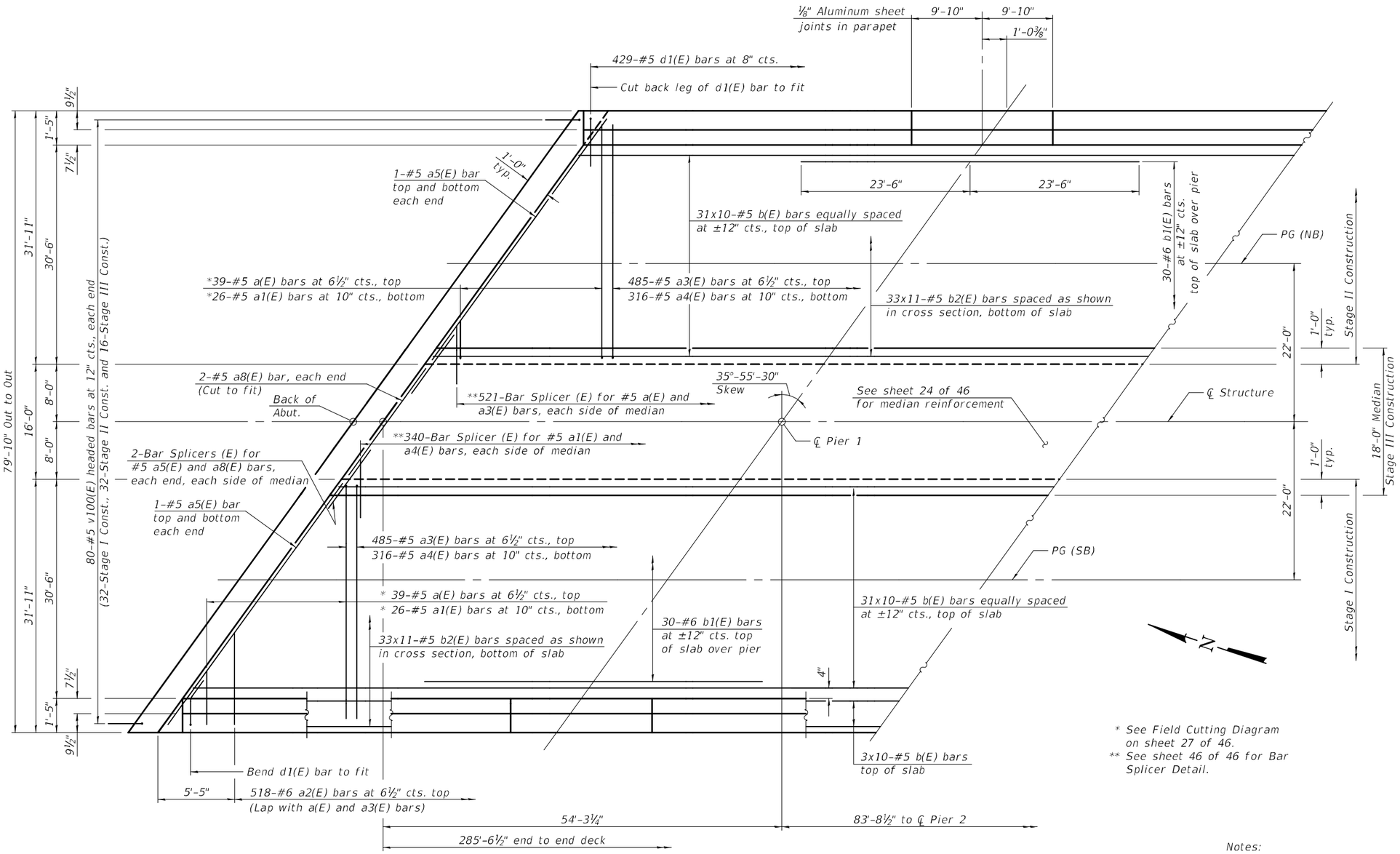
MODEL: 0260032-74983-020
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:08 AM

DESIGNED -	DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022
CHECKED -	RYAN P. NEGANGARD		
DRAWN -	DENNIS A. POP	PASSED	REVISED -
CHECKED -	D.H.R. / R.P.N. / G.R.A.	ENGINEER OF BRIDGE DESIGN	REVISED -
		ENGINEER OF BRIDGES AND STRUCTURES	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 026-0032
SHEET 20 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	39
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		



* See Field Cutting Diagram on sheet 27 of 46.
** See sheet 46 of 46 for Bar Splicer Detail.

Notes:
See sheets 26 and 27 of 46 for superstructure details and Bill of Material.
Bars indicated thus 38x11-#5 etc. indicates 38 lines of bars with 11 lengths per line.

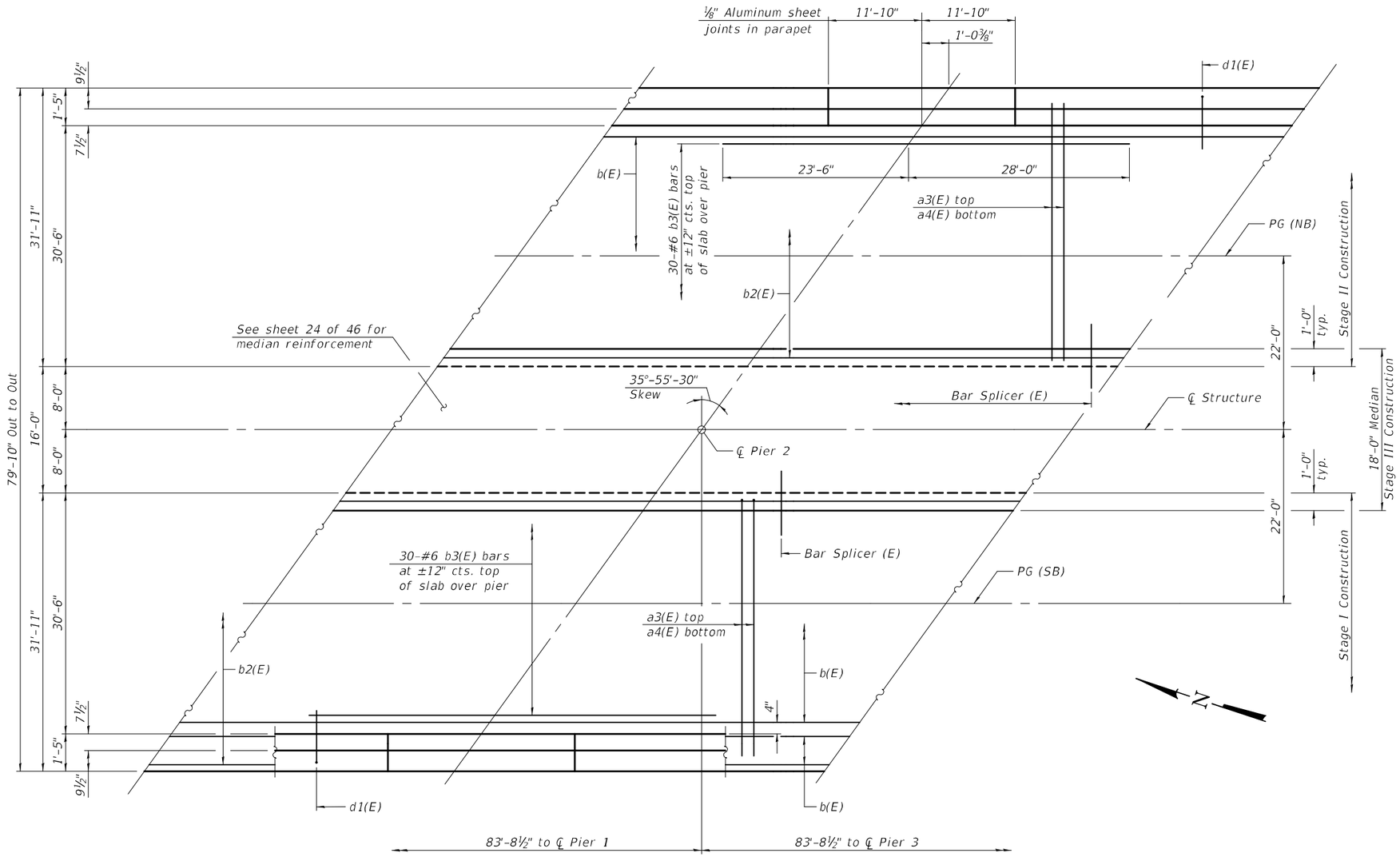
PARTIAL PLAN

MINIMUM BAR LAP

#5 bar = 3'-6"

DESIGNED - DAVID H. RICHTER	EXAMINED		DATE - October 13, 2022	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SUPERSTRUCTURE STRUCTURE NO. 026-0032**	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - RYAN P. NEGANGARD	PASSED		REVISED -		SHEET 21 OF 46 SHEETS	322	(26-2)B	FAYETTE	74	40
DRAWN - DENNIS A. POP		ENGINEER OF BRIDGE DESIGN	REVISED -					CONTRACT NO. 74983		
CHECKED - D.H.R. / R.P.N. / G.R.A.		ENGINEER OF BRIDGES AND STRUCTURES					ILLINOIS	FED. AID PROJECT		

MODEL: 0260032-74983-021
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:09 AM



PARTIAL PLAN

MINIMUM BAR LAP

#5 bar = 3'-6"

Notes:
See sheets 26 and 27 of 46 for superstructure details and Bill of Material.

DESIGNED -	DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022
CHECKED -	RYAN P. NEGANGARD	PASSED	REVISED -
DRAWN -	DENNIS A. POP		REVISED -
CHECKED -	D.H.R. / R.P.N. / G.R.A.		

ENGINEER OF BRIDGE DESIGN

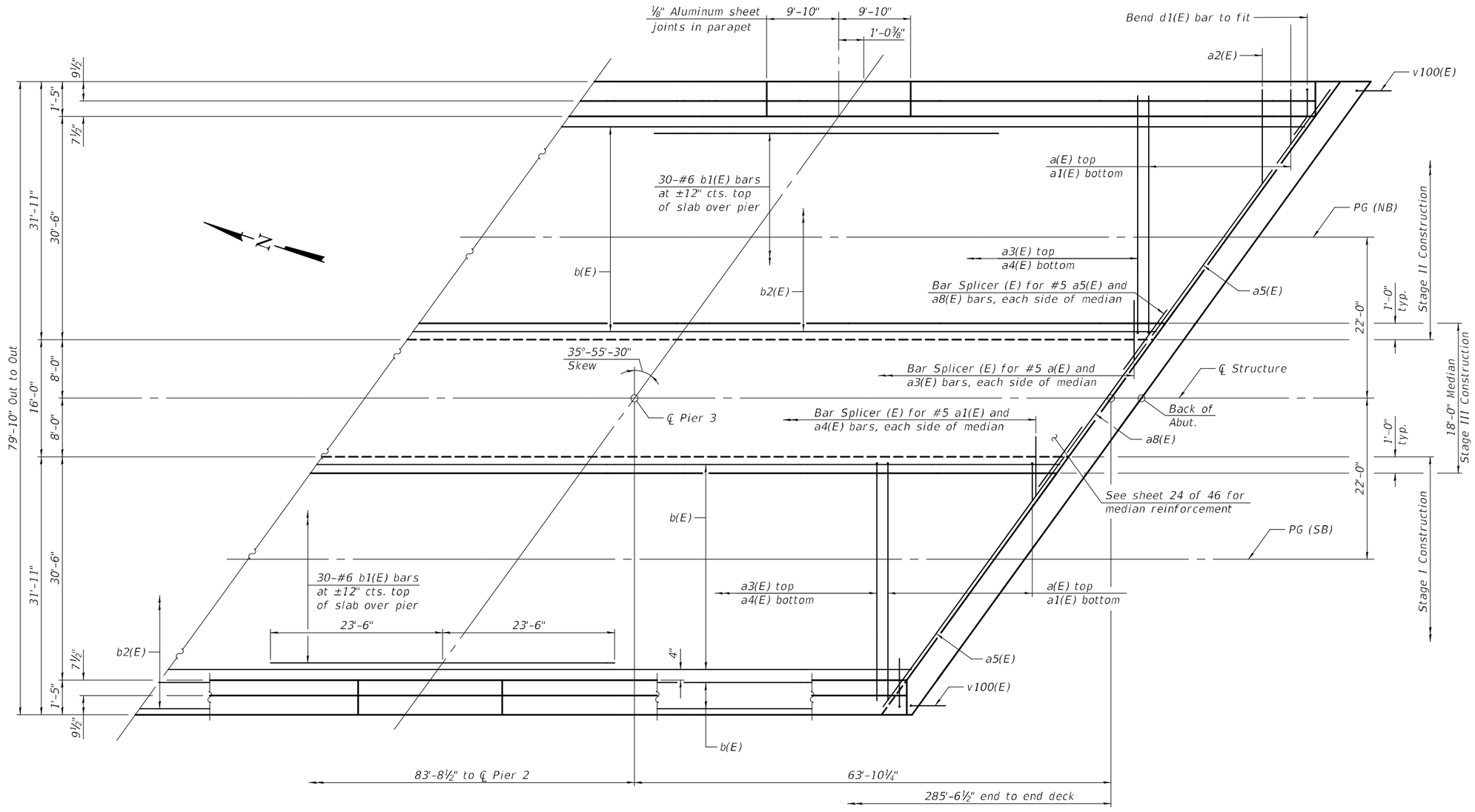
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 026-0032
SHEET 22 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	41
		CONTRACT NO. 74983		
	ILLINOIS FED. AID PROJECT			

MODEL: 026032-74983-022
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOTDocuments\IDOT Offices\Bureau of Bridges and Structures\Projects\026032\CADD Plans\026032-74983.dgn
10/13/2022 11:52:10 AM



MINIMUM BAR LAP

#5 bar = 3'-6"

PARTIAL PLAN

Notes:
See sheets 26 and 27 of 46 for superstructure details and Bill of Material.

DESIGNED -	DAVID H. RICHTER	
CHECKED -	RYAN P. NEGANGARD	
DRAWN -	DENNIS A. POP	
CHECKED -	D.H.R. / R.P.N. / G.R.A.	

EXAMINED
PASSED
ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

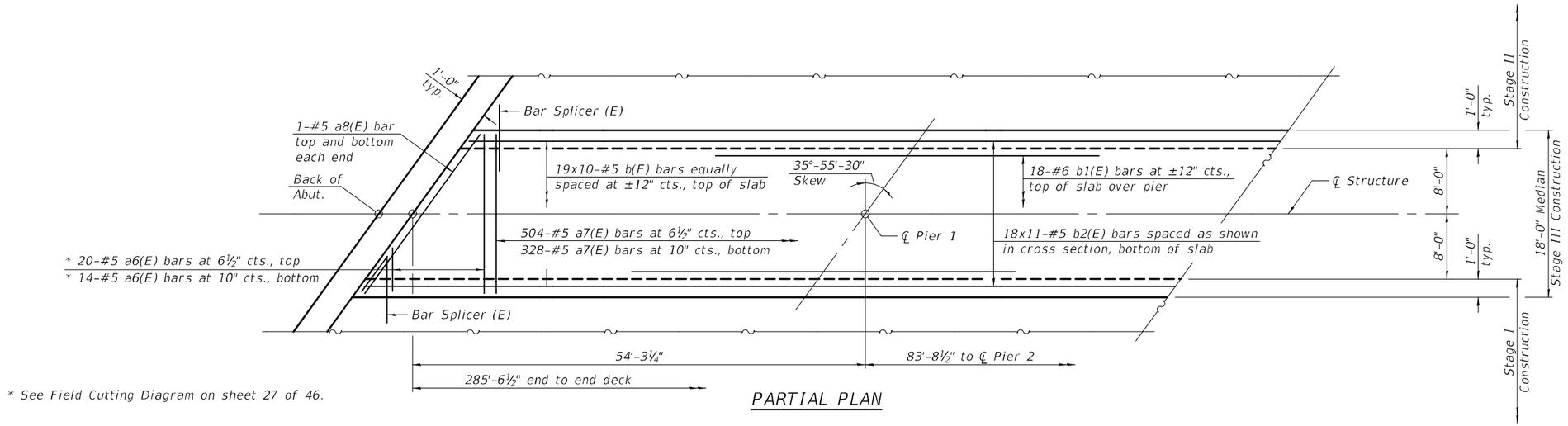
DATE - October 13, 2022
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 026-0032
SHEET 23 OF 46 SHEETS

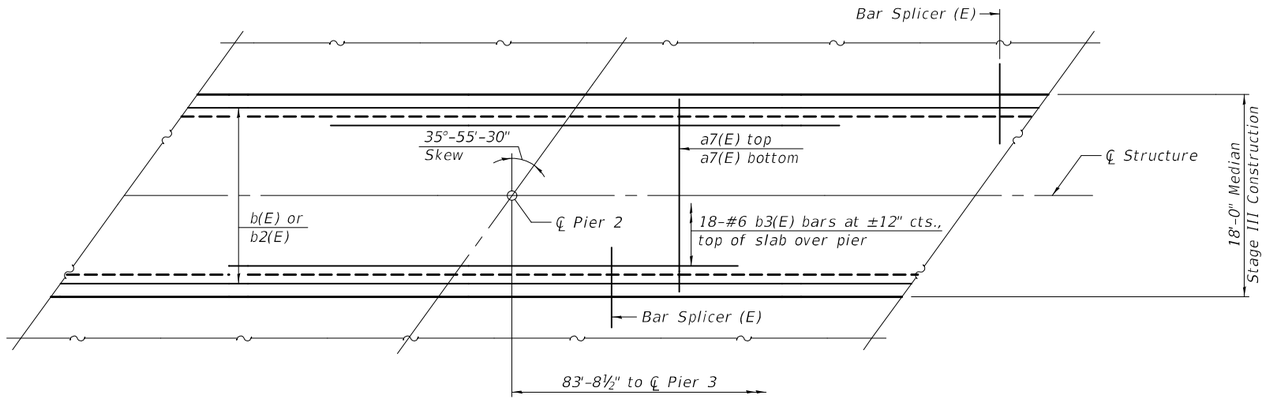
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	42
		CONTRACT NO. 74983		
	ILLINOIS FED. AID PROJECT			

MODEL: 026003Z-74983-023
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\026003Z\CADD Plans\026003Z-74983.dgn
10/13/2022 11:52:11 AM

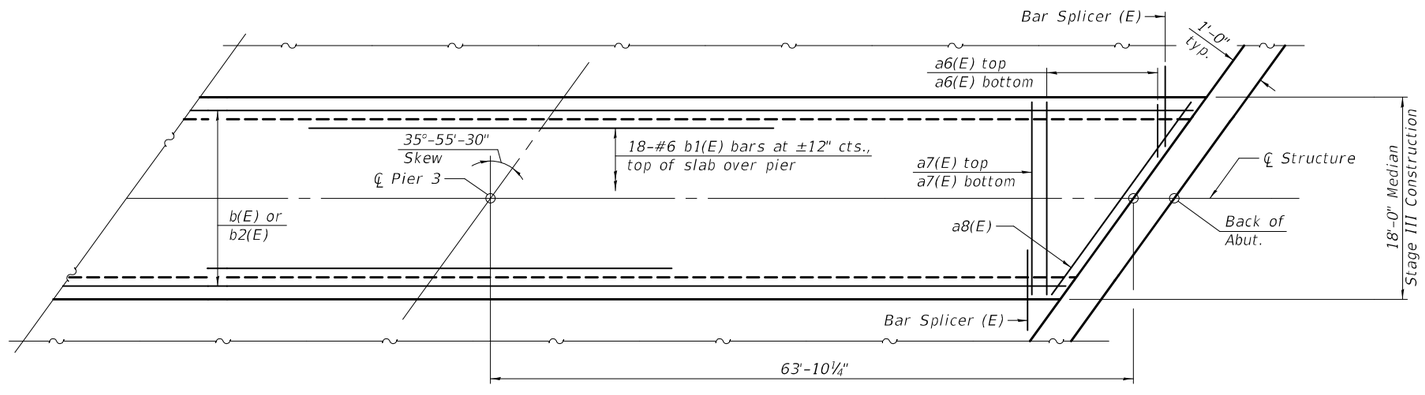


* See Field Cutting Diagram on sheet 27 of 46.

PARTIAL PLAN



PARTIAL PLAN



PARTIAL PLAN

N

MINIMUM BAR LAP

#5 bar = 3'-6"

Notes:
See sheets 26 and 27 of 46 for superstructure details and Bill of Material.
Bars indicated thus 16x 11-#5 etc. indicates 16 lines of bars with 11 lengths per line.

MODEL: 0260032-74983-024
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:13 AM

DESIGNED -	DAVID H. RICHTER	
CHECKED -	RYAN P. NEGANGARD	
DRAWN -	DENNIS A. POP	
CHECKED -	D.H.R. / R.P.N. / G.R.A.	

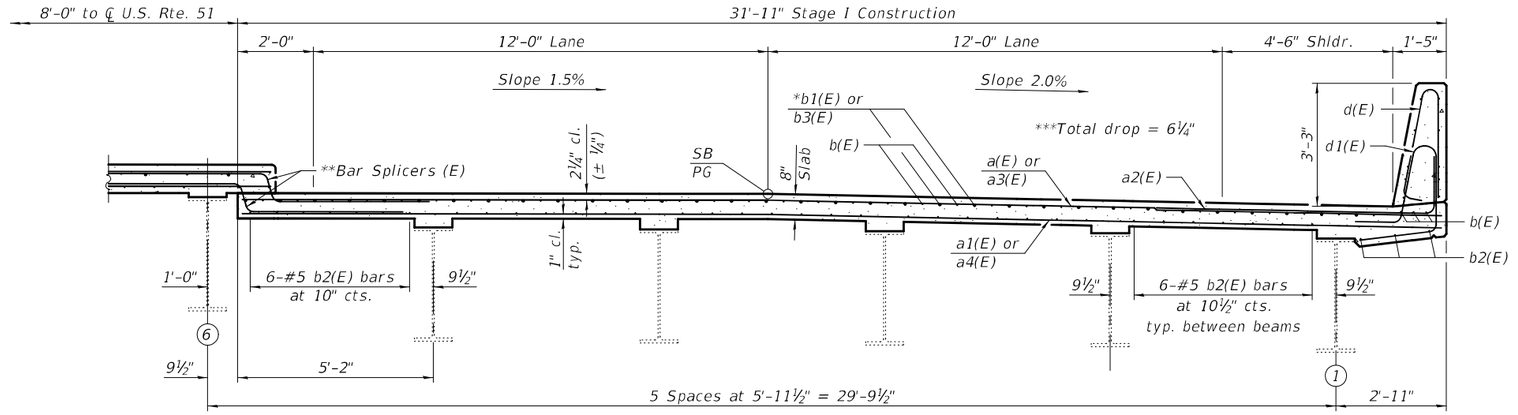
EXAMINED
ENGINEER OF BRIDGE DESIGN
PASSED
ENGINEER OF BRIDGES AND STRUCTURES

DATE - October 13, 2022
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

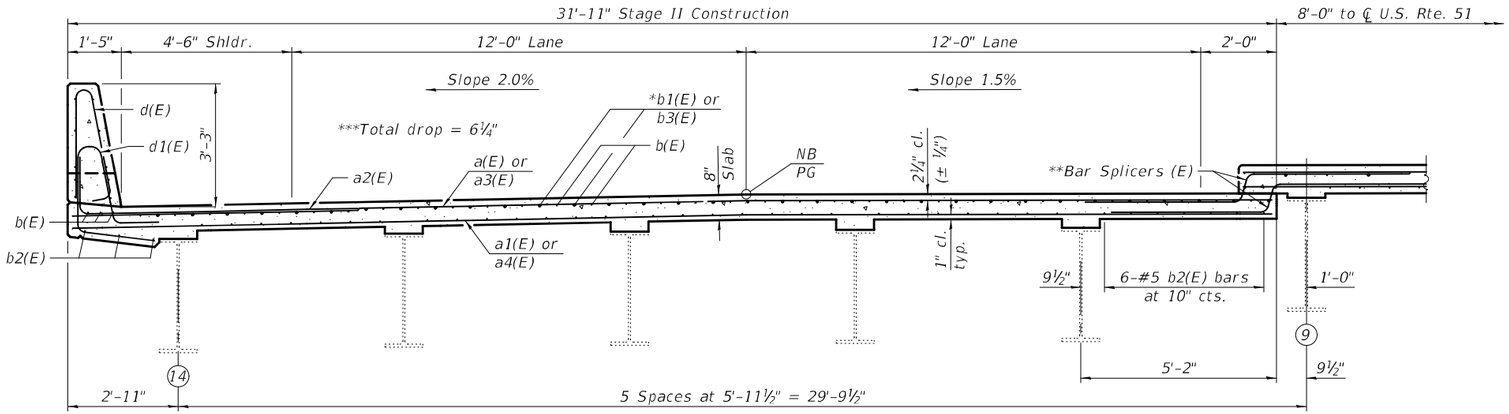
SUPERSTRUCTURE - MEDIAN
STRUCTURE NO. 026-0032
SHEET 24 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	43
		CONTRACT NO. 74983		
		ILLINOIS	FED. AID PROJECT	



CROSS SECTION - STAGE I CONSTRUCTION

(Looking South)

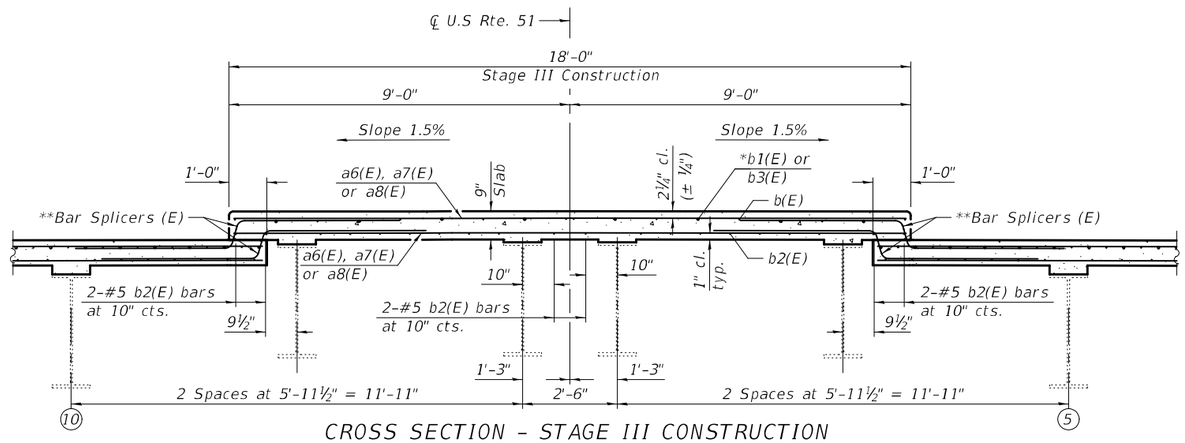


CROSS SECTION - STAGE II CONSTRUCTION

(Looking South)

* Bars are present near piers only.
** See sheet 46 of 46 for bar splicer detail.
*** Total drops are measured from the edge of median.

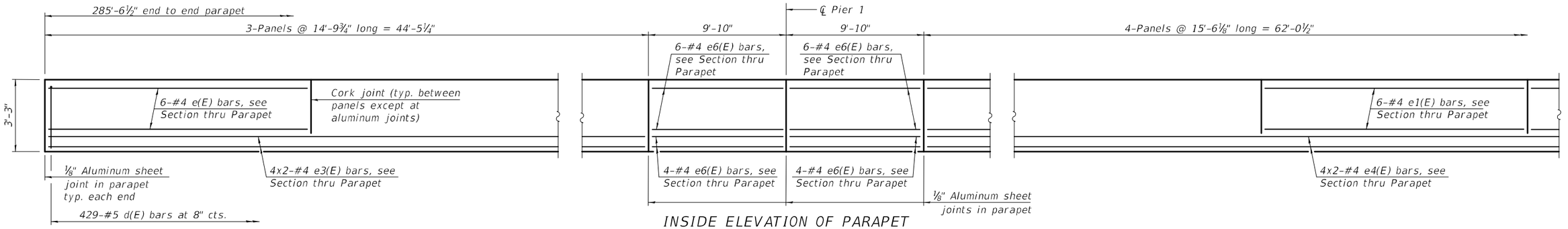
Notes:
See sheets 26 and 27 of 46 for superstructure details and Bill of Material.



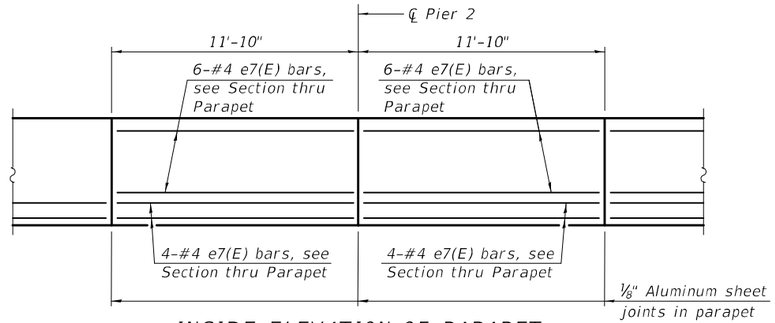
CROSS SECTION - STAGE III CONSTRUCTION

(Looking South)

DESIGNED - DAVID H. RICHTER	EXAMINED		DATE - October 13, 2022	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SUPERSTRUCTURE STRUCTURE NO. 026-0032**	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - RYAN P. NEGANGARD	PASSED		REVISED -		SHEET 25 OF 46 SHEETS	322	(26-2)B	FAYETTE	74	44
DRAWN - DENNIS A. POP		ENGINEER OF BRIDGE DESIGN	REVISED -						CONTRACT NO. 74983	
CHECKED - D.H.R. / R.P.N. / G.R.A.		ENGINEER OF BRIDGES AND STRUCTURES						ILLINOIS	FED. AID PROJECT	



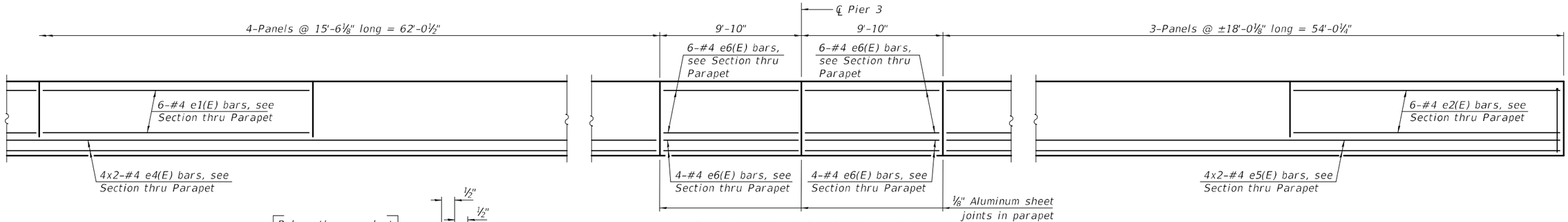
INSIDE ELEVATION OF PARAPET



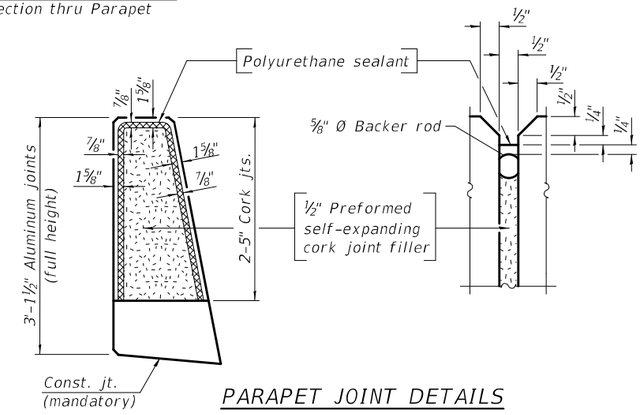
INSIDE ELEVATION OF PARAPET

MINIMUM BAR LAP

#4 bar = 2'-5"



INSIDE ELEVATION OF PARAPET



PARAPET JOINT DETAILS

Notes:

The ⅛" aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.

The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.

Bars indicated thus 4x2-#4 etc. indicates 4 lines of bars with 2 lengths per line.

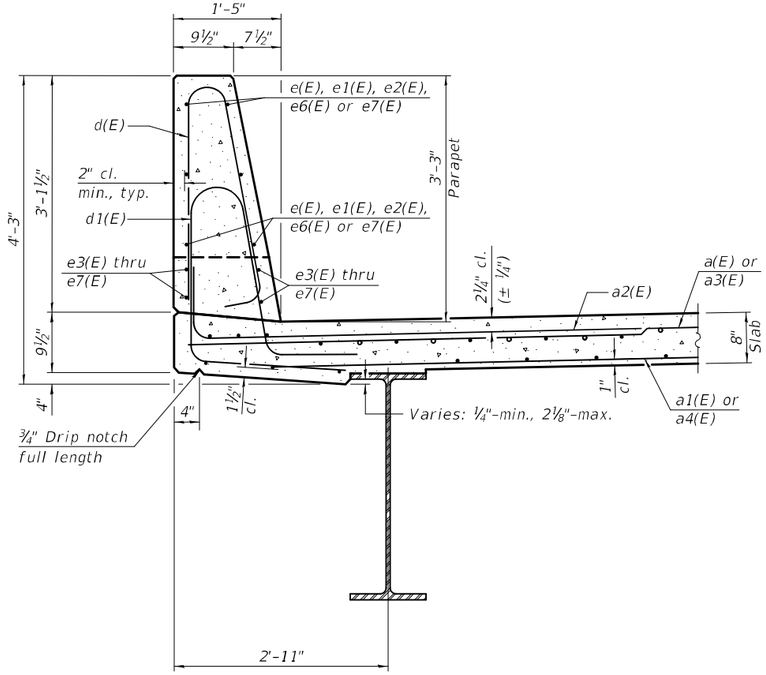
DESIGNED -	DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022
CHECKED -	RYAN P. NEGANGARD	PASSED	REVISED -
DRAWN -	DENNIS A. POP		REVISED -
CHECKED -	D.H.R. / R.P.N. / G.R.A.	ENGINEER OF BRIDGE DESIGN	
10/13/2022 11:52:15 AM		ENGINEER OF BRIDGES AND STRUCTURES	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

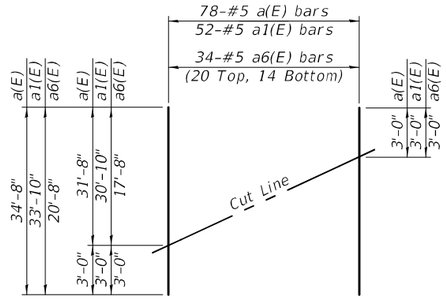
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 026-0032
SHEET 26 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	45
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		

MODEL: 0260032-74983-026
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn

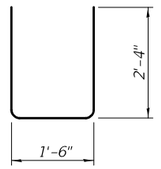


SECTION THRU PARAPET

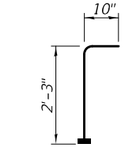


FIELD CUTTING DIAGRAM

Order a(E), a1(E) and a6(E) bars full length. Cut as shown and use remainder of bars in opposite end of deck.

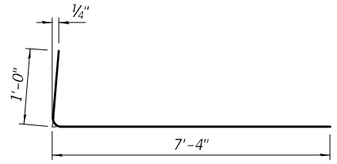


BAR u10(E)

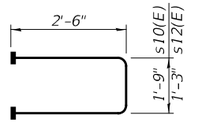


BAR v100(E)

(Headed)

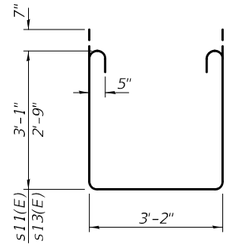


BAR a2(E)



BAR s10(E) and s12(E)

(Headed)



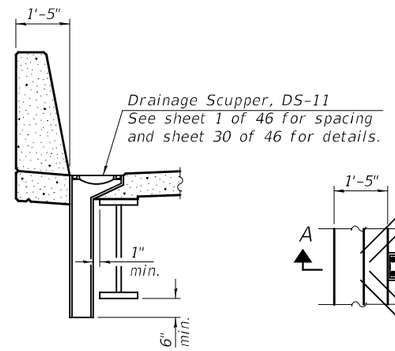
BAR s11(E) and s13(E)

Notes:

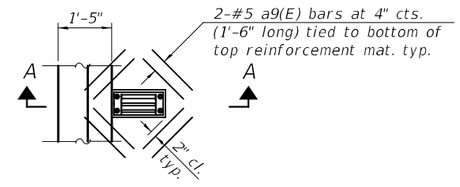
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	78	#5	34'-8"	
a1(E)	52	#5	33'-10"	
a2(E)	1036	#6	8'-4"	
a3(E)	970	#5	31'-8"	
a4(E)	632	#5	30'-10"	
a5(E)	8	#5	39'-1"	
a6(E)	34	#5	20'-8"	
a7(E)	832	#5	17'-8"	
a8(E)	8	#5	21'-10"	
a9(E)	96	#5	1'-6"	
b(E)	870	#5	31'-8"	
b1(E)	156	#6	47'-0"	
b2(E)	924	#5	29'-2"	
b3(E)	78	#6	51'-6"	
d(E)	858	#5	6'-5"	
d1(E)	858	#5	8'-3"	
e(E)	36	#4	14'-6"	
e1(E)	96	#4	15'-3"	
e2(E)	36	#4	17'-9"	
e3(E)	16	#4	23'-4"	
e4(E)	32	#4	32'-2"	
e5(E)	16	#4	28'-2"	
e6(E)	80	#4	9'-7"	
e7(E)	40	#4	11'-7"	
m10(E)	20	#6	39'-1"	
m11(E)	80	#6	7'-0"	
m12(E)	16	#6	6'-1"	
m13(E)	10	#6	19'-6"	
m14(E)	16	#6	3'-3"	
m15(E)	8	#6	2'-9"	
m16(E)	8	#4	39'-1"	
m17(E)	4	#4	19'-6"	
s10(E)	120	#5	6'-9"	
s11(E)	152	#5	10'-6"	
s12(E)	44	#5	6'-3"	
s13(E)	12	#5	9'-10"	
u10(E)	164	#4	6'-2"	
v100(E)	160	#5	3'-1"	
Reinforcement Bars, Epoxy Coated		Pound	184,470	
Concrete Superstructure		Cu. Yd.	802.6	

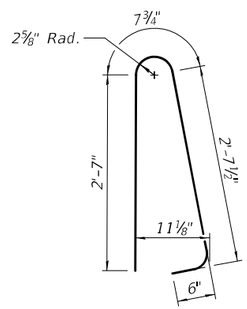


SECTION A-A

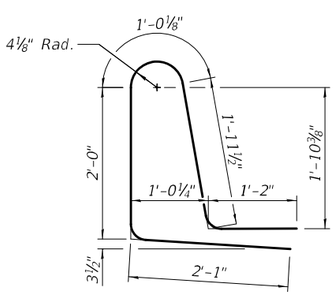


PLAN

Cut longitudinal reinforcement to clear drainage scuppers.



BAR d(E)

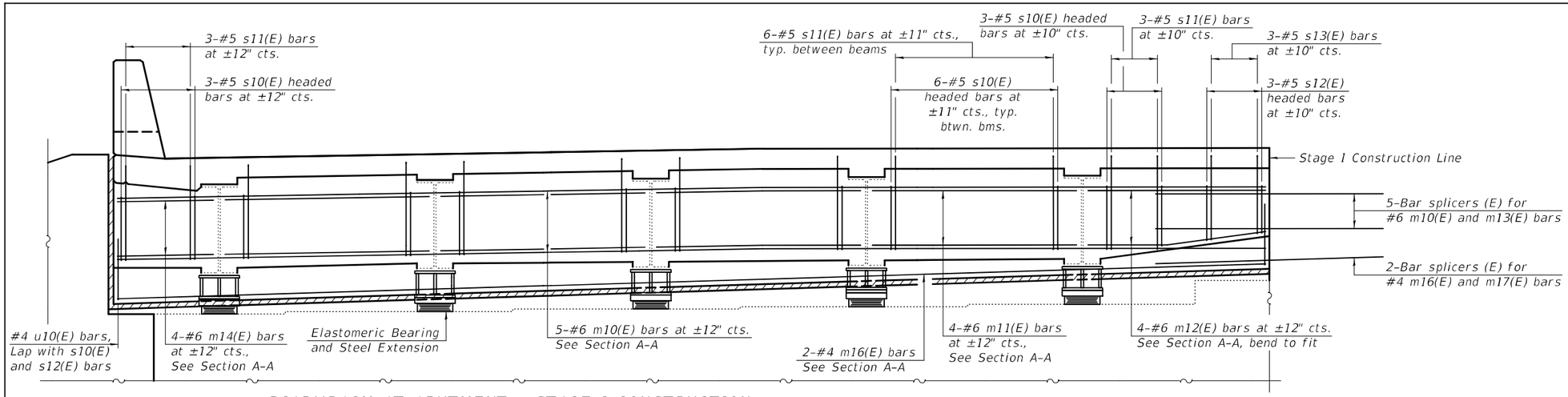


BAR d1(E)

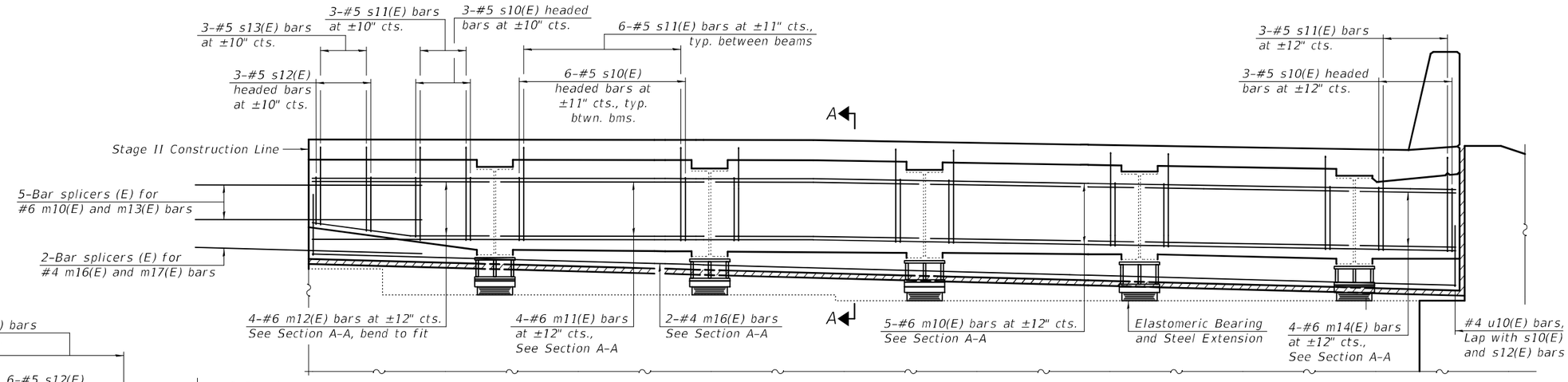
DESIGNED -	DAVID H. RICHTER	EXAMINED		DATE -	October 13, 2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE DETAILS STRUCTURE NO. 026-0032
CHECKED -	RYAN P. NEGANGARD	PASSED		REVISED -			SHEET 27 OF 46 SHEETS
DRAWN -	DENNIS A. POP		ENGINEER OF BRIDGE DESIGN	REVISED -			
CHECKED -	D.H.R. / R.P.N. / G.R.A.		ENGINEER OF BRIDGES AND STRUCTURES				

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	46
		CONTRACT NO. 74983		
		ILLINOIS	FED. AID PROJECT	

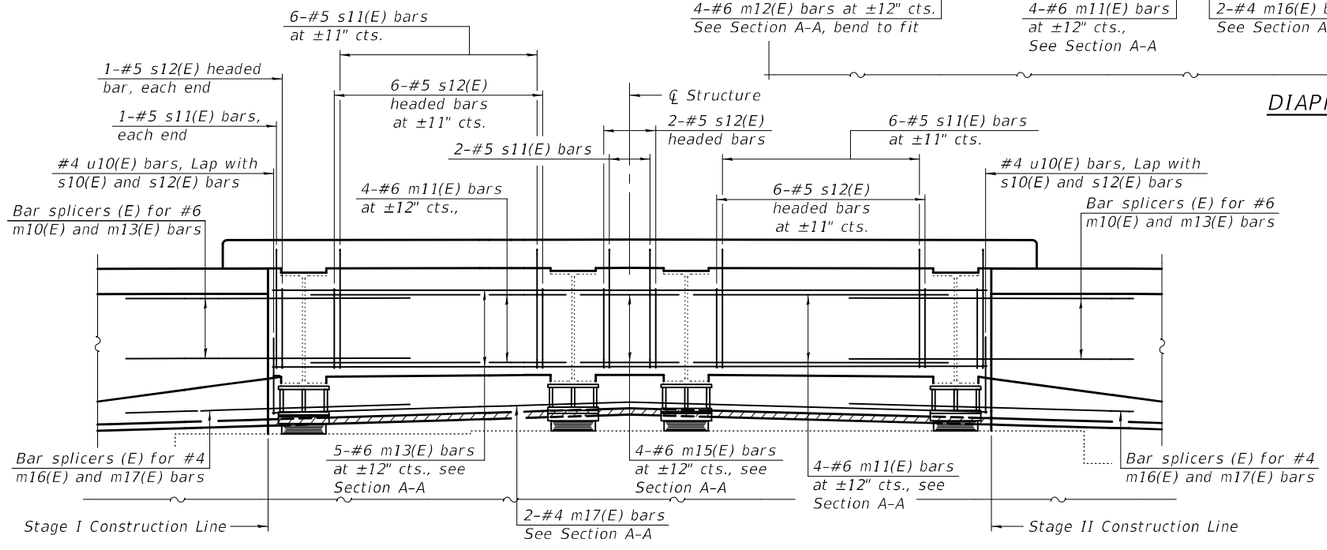
MODEL: 0260032-74983-027
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:16 AM



DIAPHRAGM AT ABUTMENT - STAGE I CONSTRUCTION



DIAPHRAGM AT ABUTMENT - STAGE II CONSTRUCTION



DIAPHRAGM AT ABUTMENT - STAGE III CONSTRUCTION

Notes:

See sheet 27 of 46 for superstructure details and Bill of Material.

See sheet 29 of 46 for PJF details.

The s10(E), s11(E), s12(E), s13(E) and u10(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

Diaphragm at abutment views are of the North abutment facing North. The South abutment is similar by 180° rotation.

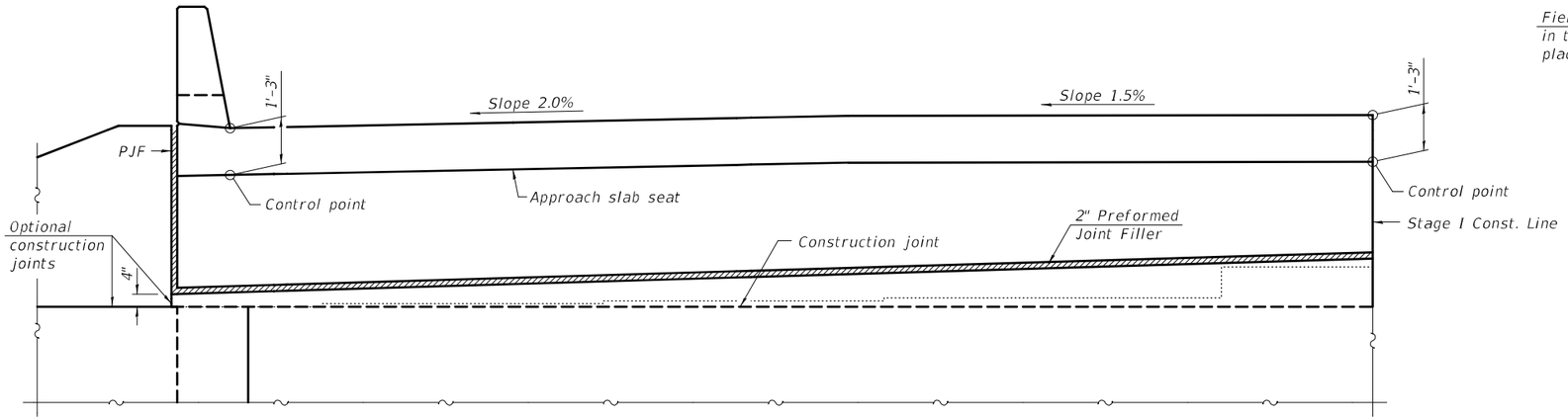
DESIGNED - DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DIAPHRAGM STRUCTURE NO. 026-0032	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - RYAN P. NEGANGARD					322	(26-2)B	FAYETTE	74	47
DRAWN - DENNIS A. POP	PASSED	REVISED -						CONTRACT NO. 74983	
CHECKED - D.H.R. / R.P.N. / G.R.A.		REVISED -		SHEET 28 OF 46 SHEETS			ILLINOIS	FED. AID PROJECT	

ENGINEER OF BRIDGE DESIGN

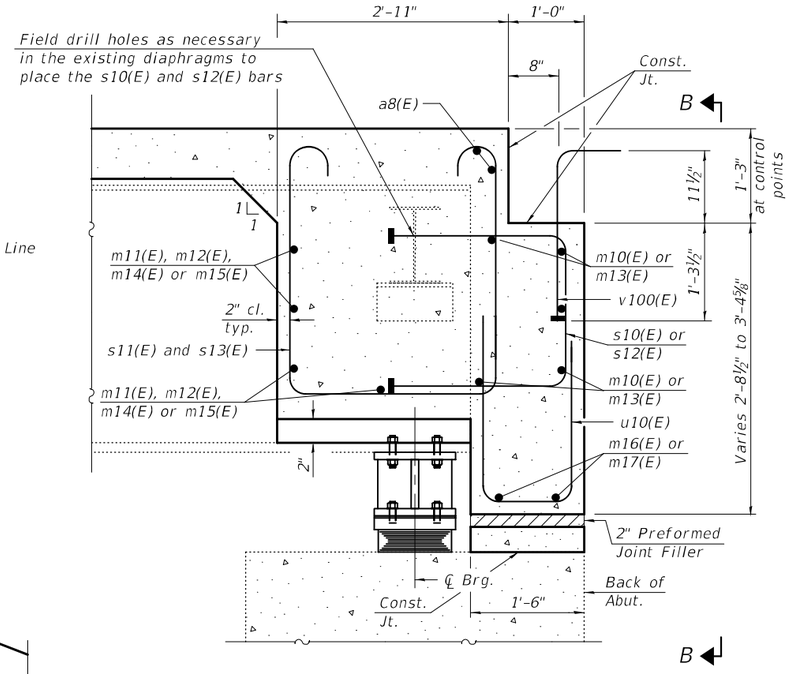
ENGINEER OF BRIDGES AND STRUCTURES

MODEL: 0260032-74983-028
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn

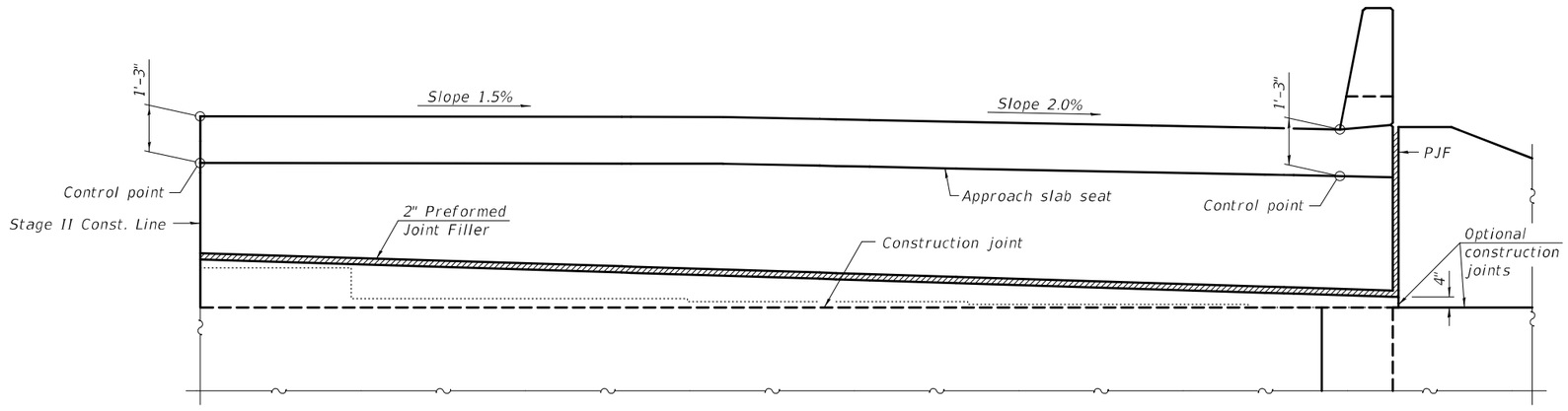
10/13/2022 11:52:18 AM



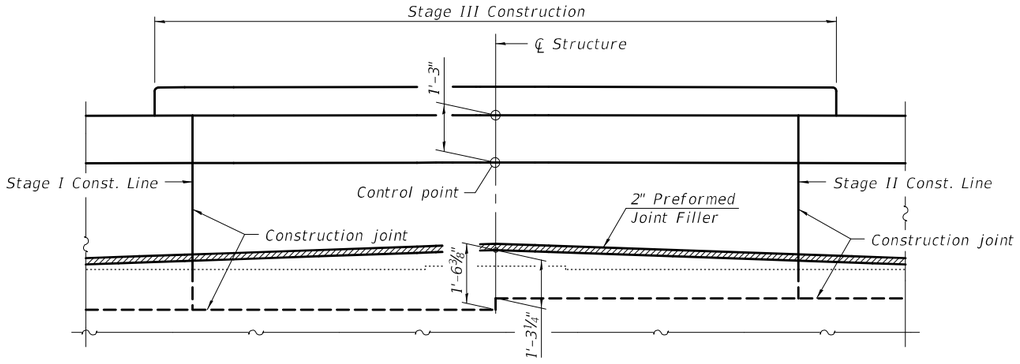
VIEW B-B



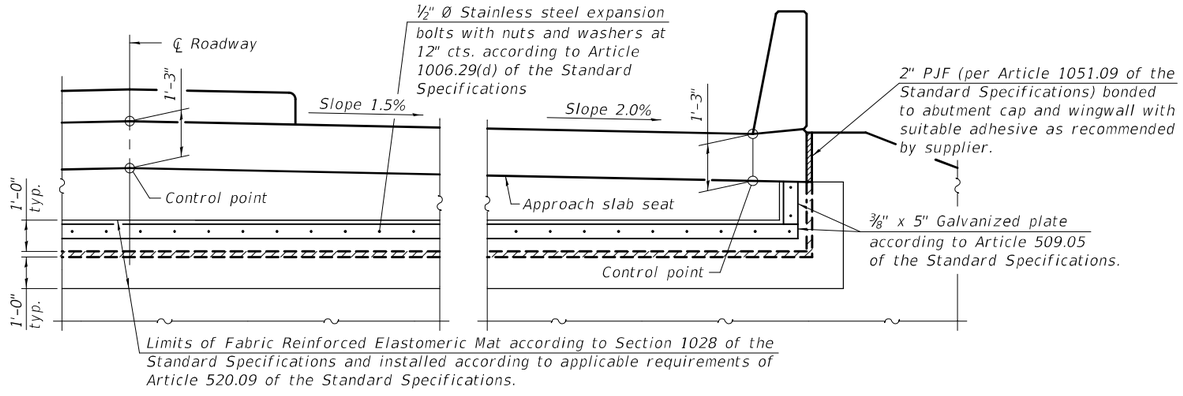
SECTION A-A
(at Rt. ℄'s)



VIEW B-B



VIEW B-B



VIEW B-B
(Showing 2" PJF and limits of Fabric Reinforced Elastomeric Mat).

Notes:

See sheet 27 of 46 for superstructure details and Bill of Material.

The approach slab seat shall have a constant slope determined from the control points shown.

Cost of fabric reinforced elastomeric mat, galvanized plate, stainless steel expansion bolts with nuts and washers and installation are included in the cost of Concrete Superstructure.

DESIGNED	-	DAVID H. RICHTER
CHECKED	-	RYAN P. NEGANGARD
DRAWN	-	DENNIS A. POP
CHECKED	-	D.H.R. / R.P.N. / G.R.A.

10/13/2022 11:52:20 AM

EXAMINED

Jayne F. Schaff
ENGINEER OF BRIDGE DESIGN

PASSED

Jayne F. Schaff
ENGINEER OF BRIDGES AND STRUCTURES

DATE - October 13, 2022

REVISED -

REVISED -

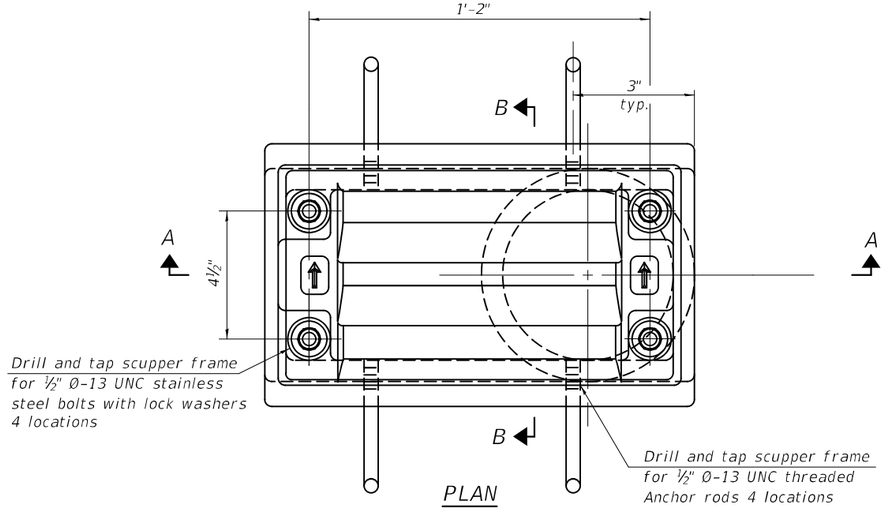
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIAPHRAGM DETAILS
STRUCTURE NO. 026-0032

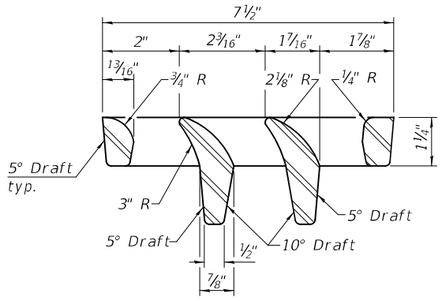
SHEET 29 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	48
		CONTRACT NO. 74983		
		ILLINOIS	FED. AID PROJECT	

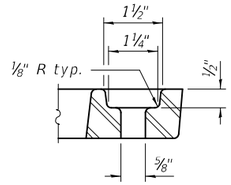
MODEL: 0260032-74983-029
FILE NAME: pw:\\idot-pw.bentley.com:PWIDOT Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\026032\CADD Plans\026032-74983.dgn



PLAN



VANE GRATE DETAIL



GRATE BOLT HOLE DETAIL

Notes:

All cast iron parts shall be gray iron conforming to the requirements of AASHTO M105, Class 35B and AASHTO M306.

Bolts, anchor rods, nuts and washers shall be according to ASTM A307 and shall be galvanized according to AASHTO M232. As an alternate stainless steel may be used.

Stainless steel hardware shall be according to Article 1006.29(d) of the Standard Specifications.

Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frames and downspouts; however, the scupper grates shall remain cast iron. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval.

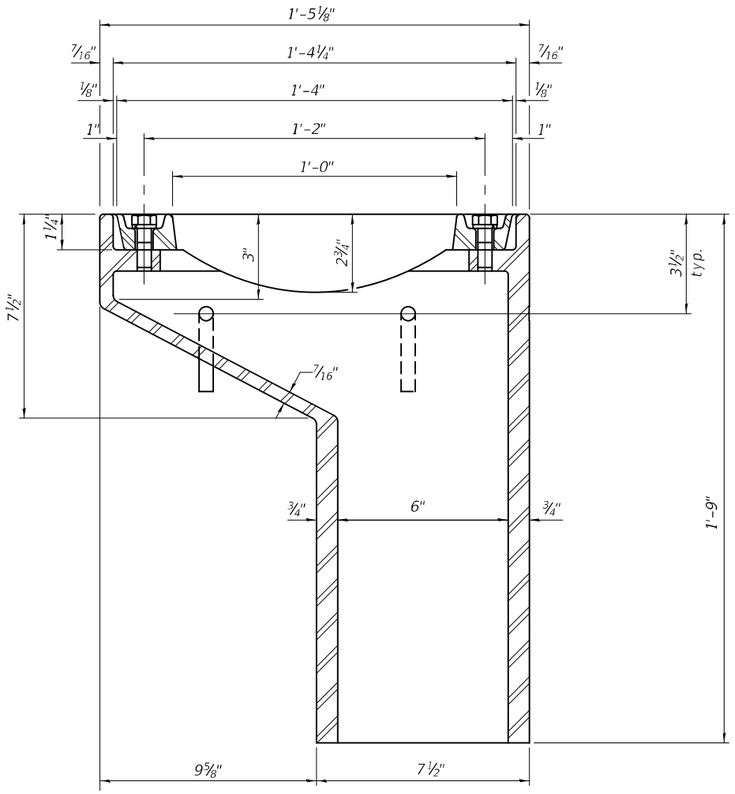
Structural steel scupper frames and downspouts, when utilized, shall be galvanized according to AASHTO M111.

As an alternate, fiberglass may be used for downspouts according to ASTM D2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. in lieu of the cast iron or structural steel.

The exterior surfaces of the drainage scuppers shall be painted according to Article 506 with the finish coat as specified. The exterior surfaces of the scuppers shall be cleaned according to the Society of Protective Coating's Spec. SSPC-SP1 prior to painting.

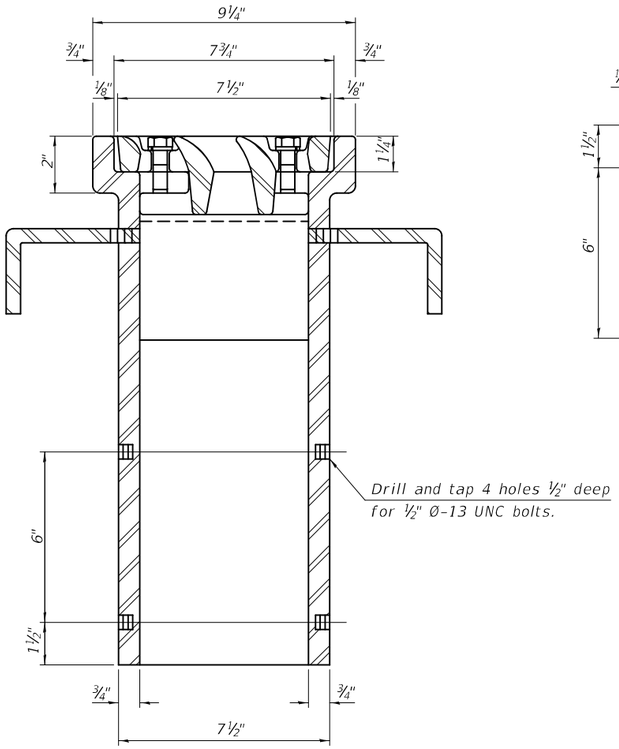
The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

Cost of the grate, frame, downspout, anchor rods, nuts and washers including complete installation of the scupper shall be paid for at the contract unit price for Drainage Scupper, DS-11.

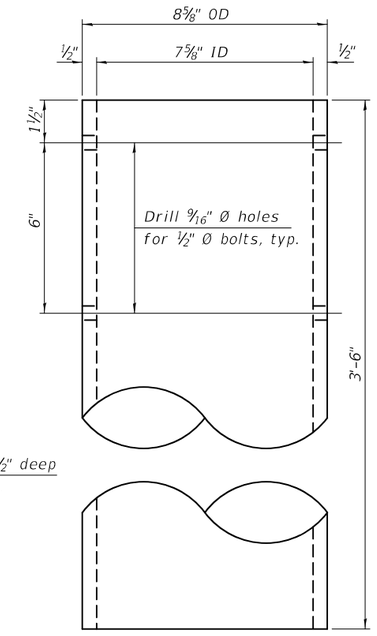


SECTION A-A

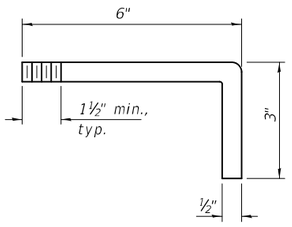
See sheet 27 of 46 for scupper location relative to parapet.



SECTION B-B



DOWNSPOUT



ANCHOR ROD DETAIL

BILL OF MATERIAL

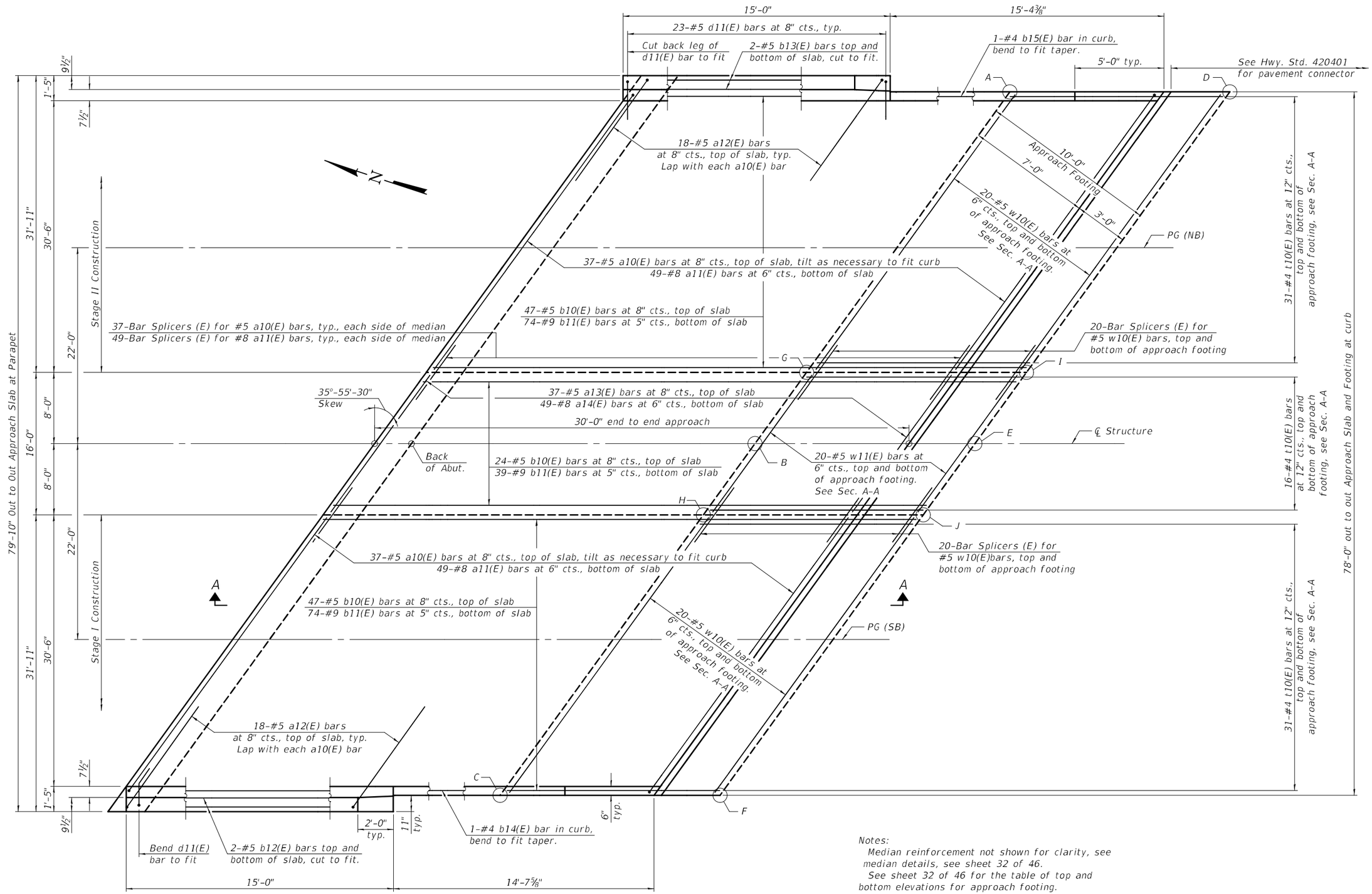
ITEM	UNIT	QUANTITY
Drainage Scupper, DS-11	Each	12

DS-11 1-1-2020

DESIGNED - DAVID H. RICHTER	EXAMINED		DATE - October 13, 2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE SCUPPERS, DS-11 STRUCTURE NO. 026-0032
CHECKED - RYAN P. NEGANGARD		ENGINEER OF BRIDGE DESIGN			SHEET 30 OF 46 SHEETS
DRAWN - DENNIS A. POP	PASSED		REVISED -		
CHECKED - D.H.R. / R.P.N. / G.R.A.		ENGINEER OF BRIDGES AND STRUCTURES	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	49
		CONTRACT NO. 74983		
		ILLINOIS	FED. AID PROJECT	

MODEL: 026032-74983-030
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\026032\CADD Plans\026032-74983.dgn
10/13/2022 11:52:20 AM



PLAN

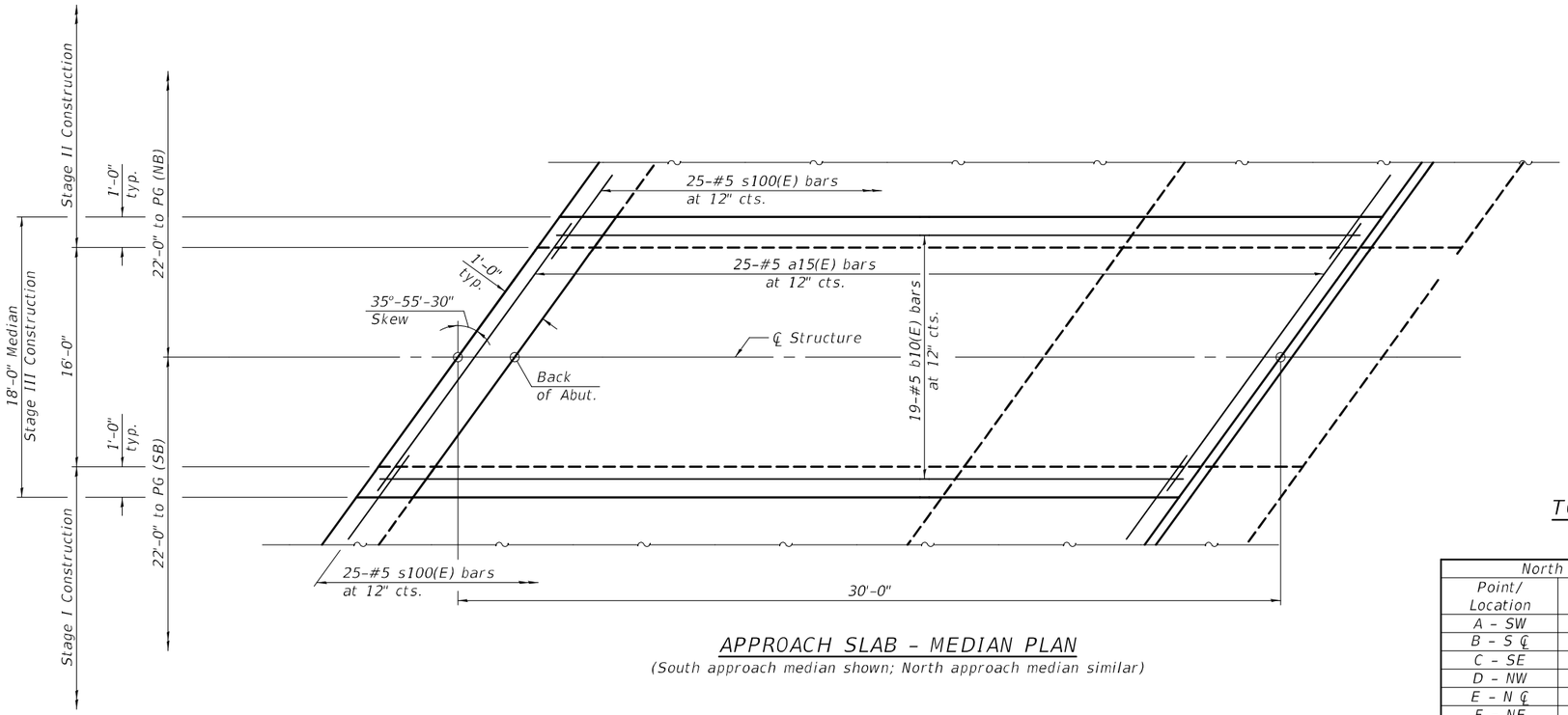
(South approach shown, North approach similar)

Notes:
Median reinforcement not shown for clarity, see median details, see sheet 32 of 46.
See sheet 32 of 46 for the table of top and bottom elevations for approach footing.

(Sheet 1 of 4)

DESIGNED - DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**BRIDGE APPROACH SLAB DETAILS STRUCTURE NO. 026-0032**	F.A.P. RTE. 322 | SECTION (26-2)B | COUNTY FAYETTE | TOTAL SHEETS 74 | SHEET NO. 50
CHECKED - RYAN P. NEGANGARD	PASSED	REVISED -		SHEET 31 OF 46 SHEETS	CONTRACT NO. 74983
DRAWN - DENNIS A. POP	ENGINEER OF BRIDGE DESIGN	REVISED -			ILLINOIS | FED. AID PROJECT
CHECKED - D.H.R. / R.P.N. / G.P.A.	ENGINEER OF BRIDGES AND STRUCTURES				

MODEL: 0260032-74983-031
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:21 AM

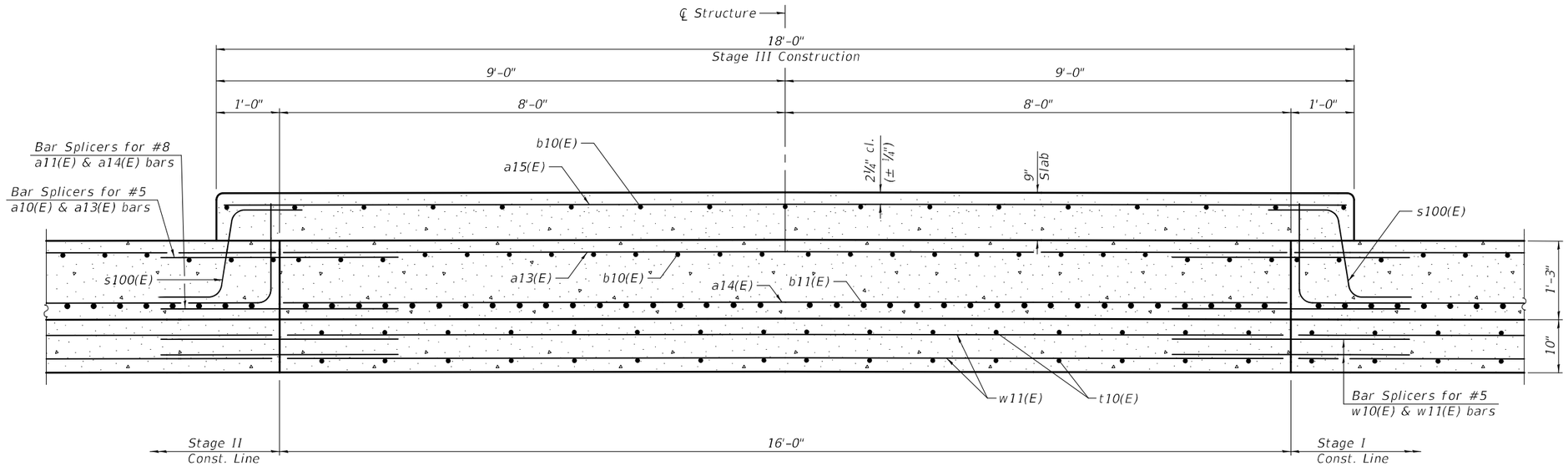


APPROACH SLAB - MEDIAN PLAN

(South approach median shown; North approach median similar)

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

North Approach			South Approach		
Point/ Location	Top	Bottom	Point/ Location	Top	Bottom
A - SW	514.32	513.48	A - NE	516.62	515.79
B - S ℄	515.16	514.32	B - N ℄	517.13	516.29
C - SE	514.66	513.82	C - NW	516.29	515.45
D - NW	514.24	513.41	D - SE	516.70	515.87
E - N ℄	515.08	514.25	E - S ℄	517.20	516.37
F - NE	514.58	513.75	F - SW	516.36	515.53
G - S Stg. I	515.00	514.17	G - N Stg. II	517.04	516.21
H - S Stg. II	515.07	514.24	H - N Stg. I	516.97	516.14
I - N Stg. I	514.93	514.09	I - S Stg. II	517.11	516.28
J - N Stg. II	515.00	514.16	J - S Stg. I	517.04	516.21



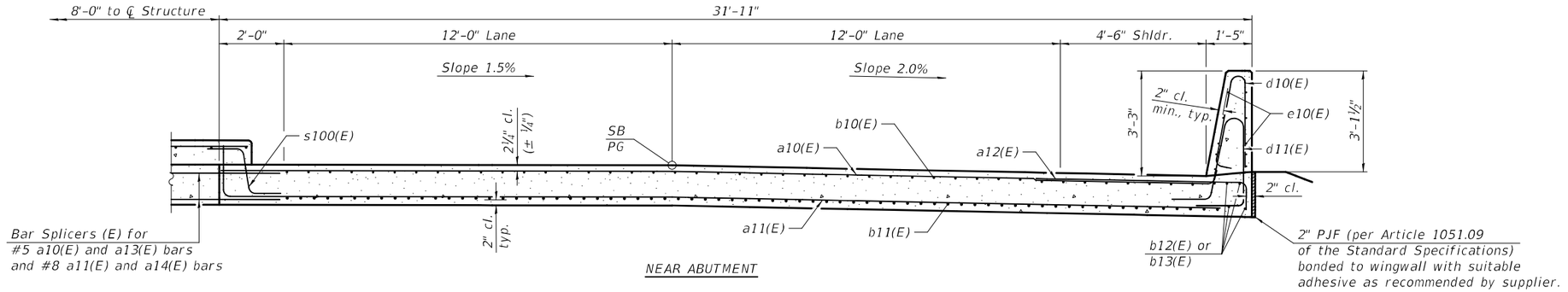
STAGE III APPROACH SLAB

(Looking South)

DESIGNED - DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
CHECKED - RYAN P. NEGANGARD	PASSED	REVISED -	
DRAWN - DENNIS A. POP	ENGINEER OF BRIDGE DESIGN	REVISED -	
CHECKED - D.H.R. / R.P.N. / G.R.A.	ENGINEER OF BRIDGES AND STRUCTURES		
10/13/2022 11:52:23 AM			

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 026-0032
SHEET 32 OF 46 SHEETS

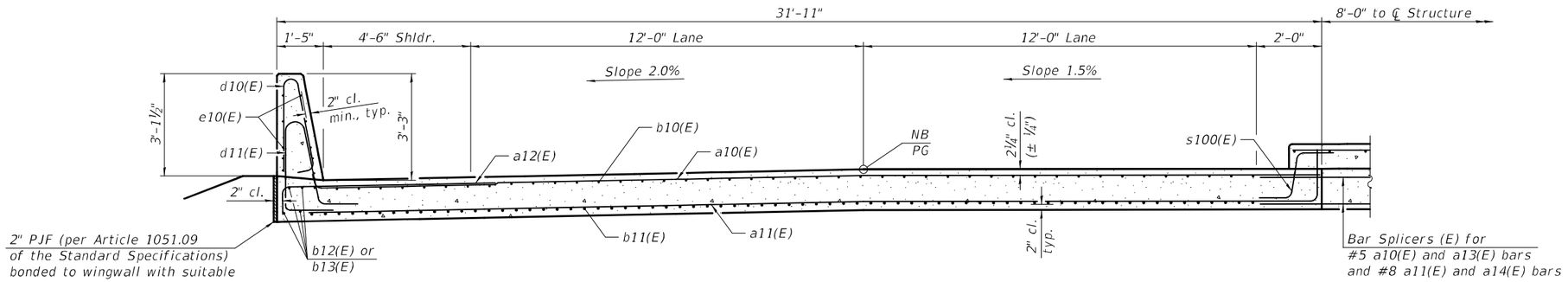
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	51
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		



NEAR ABUTMENT

STAGE I CONSTRUCTION

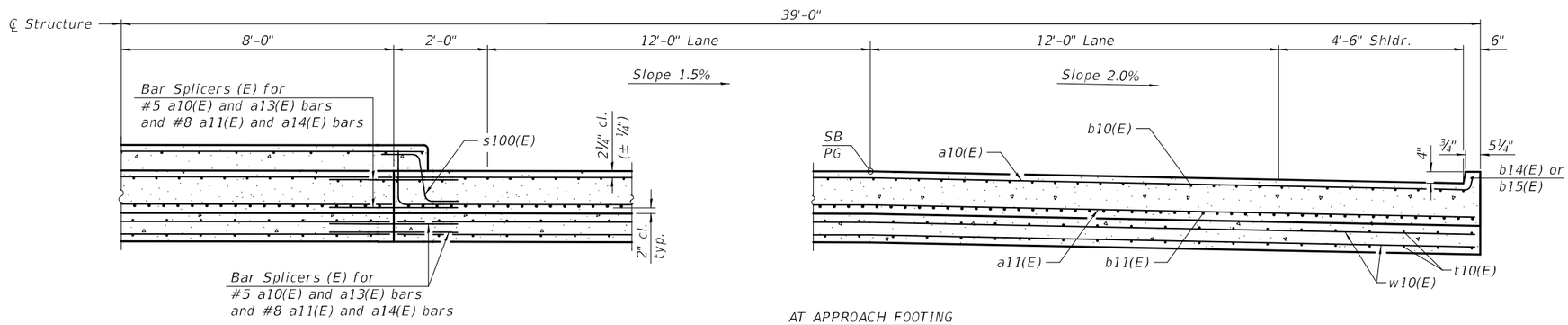
(Looking South)



NEAR ABUTMENT

STAGE II CONSTRUCTION

(Looking South)

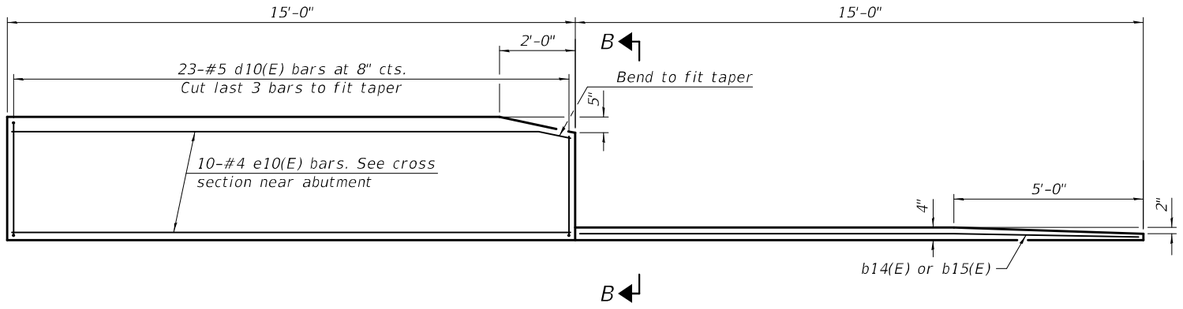


AT APPROACH FOOTING

CROSS SECTION

(Looking South, SB shown, NB similar)

DESIGNED - DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO. 026-0032	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - RYAN P. NEGANGARD	PASSED	REVISED -		SHEET 33 OF 46 SHEETS	322	(26-2)B	FAYETTE	74	52
DRAWN - DENNIS A. POP	ENGINEER OF BRIDGE DESIGN	REVISED -						CONTRACT NO. 74983	
CHECKED - D.H.R. / R.P.N. / G.R.A.	ENGINEER OF BRIDGES AND STRUCTURES						ILLINOIS	FED. AID PROJECT	



INSIDE ELEVATION OF PARAPET AND CURB

Notes:

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.

Parapet concrete shall be paid for as Concrete Superstructure.

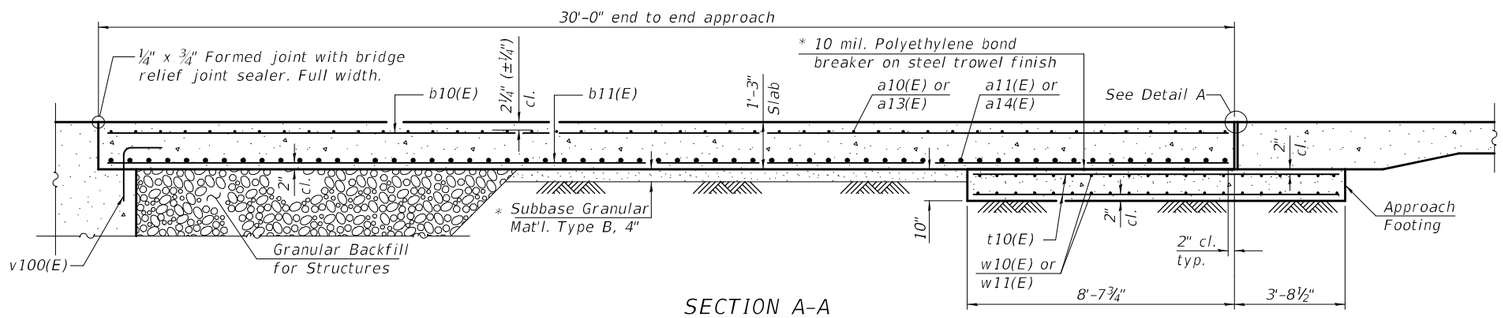
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).

Approach footing concrete shall be paid for as Concrete Structures.

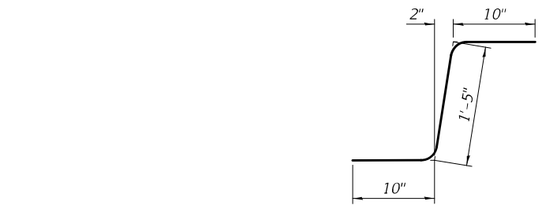
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.

Cost of excavation for approach footing included with Concrete Structures.

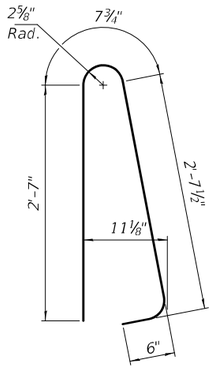
For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 46.



SECTION A-A



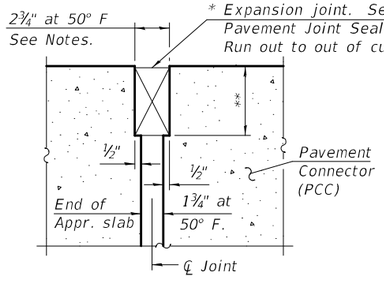
BAR s100(E)



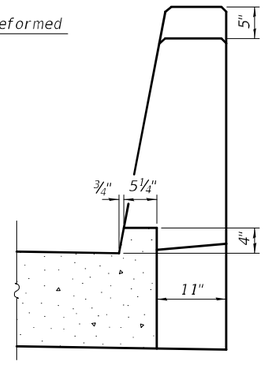
BAR d10(E)

TWO APPROACHES BILL OF MATERIAL

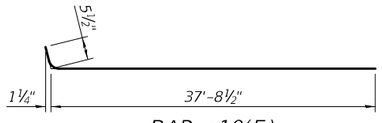
Bar	No.	Size	Length	Shape
a10(E)	148	#5	38'-2"	
a11(E)	196	#8	39'-5"	
a12(E)	72	#5	7'-4"	
a13(E)	74	#5	19'-5"	
a14(E)	98	#8	19'-5"	
a15(E)	50	#5	21'-10"	
b10(E)	274	#5	29'-8"	
b11(E)	374	#9	29'-8"	
b12(E)	4	#5	15'-7"	
b13(E)	4	#5	14'-3"	
b14(E)	2	#4	14'-6"	
b15(E)	2	#4	14'-10"	
d10(E)	92	#5	6'-5"	
d11(E)	92	#5	8'-6"	
e10(E)	40	#4	14'-8"	
s100(E)	100	#5	3'-1"	
t10(E)	312	#4	12'-0"	
w10(E)	160	#5	37'-11"	
w11(E)	80	#5	19'-5"	
Concrete Superstructure		Cu. Yd.	7.8	
Concrete Superstructure (Approach Slab)		Cu. Yd.	252.4	
Concrete Structures		Cu. Yd.	59.5	
Reinforcement Bars, Epoxy Coated		Pound	93,750	



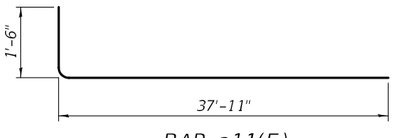
DETAIL A
(at Rt. ℄'s)



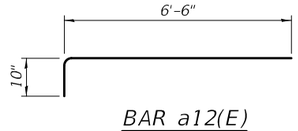
VIEW B-B



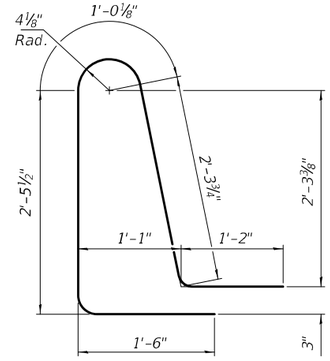
BAR a10(E)



BAR a11(E)



BAR a12(E)



BAR d11(E)

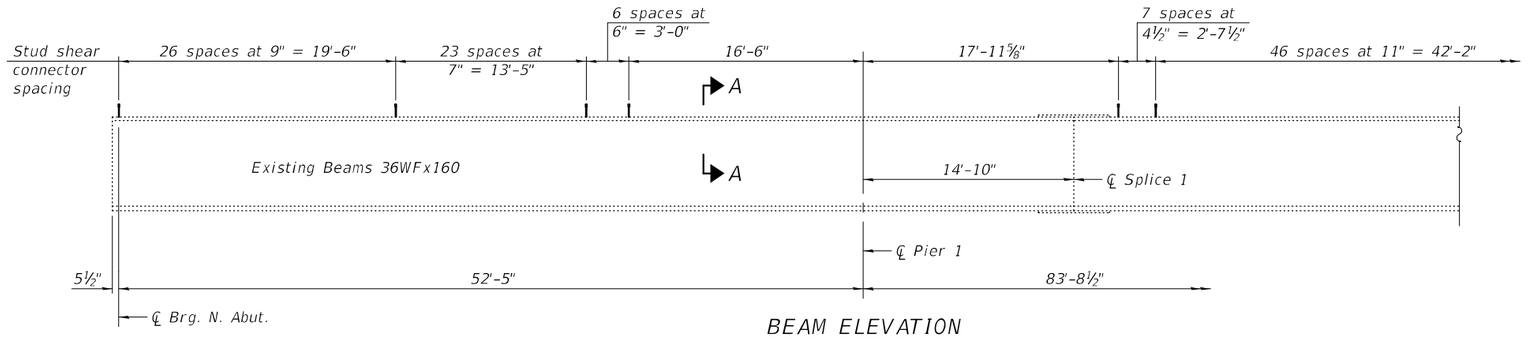
* Cost included with Concrete Superstructure (Approach Slab).

** Per manufacturer recommendations

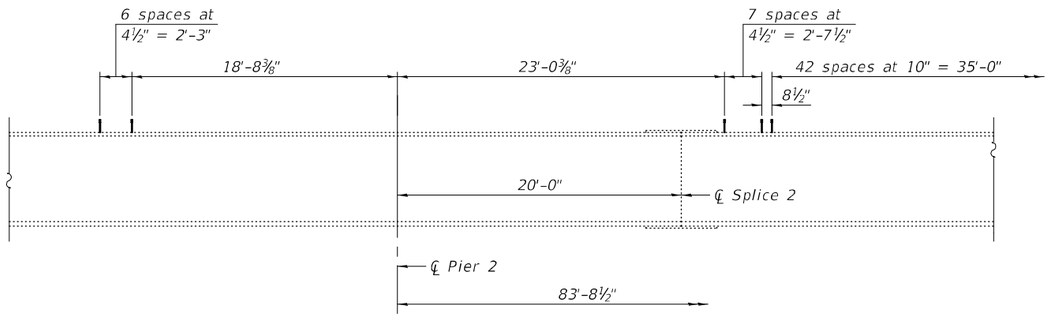
(Sheet 4 of 4)

DESIGNED - DAVID H. RICHTER	EXAMINED		DATE - October 13, 2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO. 026-0032	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - RYAN P. NEGANGARD	PASSED	ENGINEER OF BRIDGE DESIGN	REVISED -			322	(26-2)B	FAYETTE	74	53
DRAWN - DENNIS A. POP		ENGINEER OF BRIDGES AND STRUCTURES	REVISED -		SHEET 34 OF 46 SHEETS			CONTRACT NO. 74983		
CHECKED - D.H.R. / R.P.N. / G.R.A.								ILLINOIS FED. AID PROJECT		

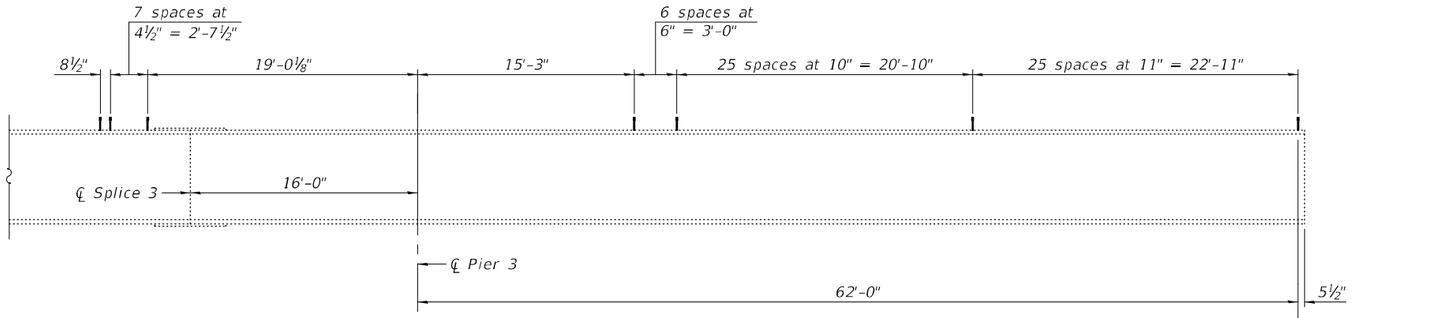
MODEL: 026003 2-74983-034
FILE NAME: pw:\\fdot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\026003 2\CADD Plans\026003 2-74983.dgn
10/13/2022 11:52:26 AM



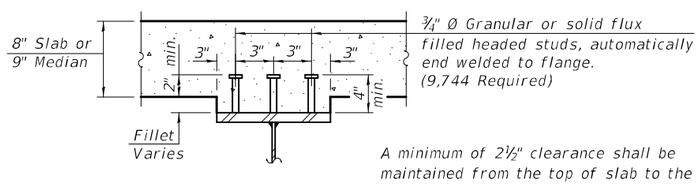
BEAM ELEVATION



BEAM ELEVATION



BEAM ELEVATION



A minimum of 2½" clearance shall be maintained from the top of slab to the top of the shear studs.

SECTION A-A

Is, Ss: Non-composite moment of inertia and section modulus of the steel section used for computing fs(Total and Overload) due to non-composite dead loads (in.⁴ and in.³).

Ic(n), Sc(n): Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing fs(Total and Overload) due to short-term composite live loads (in.⁴ and in.³).

Ic(3n), Sc(3n): Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing fs(Total and Overload) due to long-term composite (superimposed) dead loads (in.⁴ and in.³).

Z: Plastic Section Modulus of the steel section in non-composite areas (in.³).

w_D: Un-factored non-composite dead load (kips/ft.).

M_D: Un-factored moment due to non-composite dead load (kip-ft.).

s_D: Un-factored long-term composite (superimposed) dead load (kips/ft.)

M_{sD}: Un-factored moment due to long-term composite (superimposed) dead load (kip-ft.).

M_L: Un-factored live load moment (kip-ft.).

MI: Un-factored moment due to impact (kip-ft.).

Ma: Factored design moment (kip-ft.).
$1.3\ [M_D + M_{sD} + \frac{5}{3}(M_L + MI)]$

Mu: Compact composite moment capacity according to AASHTO LFD 10.50.1.1 or compact non-composite moment capacity according to AASHTO LFD 10.48.1 (kip-ft.).

fs (Overload): Sum of stresses as computed from the moments below (ksi).
$M_D + M_{sD} + \frac{5}{3}(M_L + MI)$

fs (Total): Sum of stresses as computed from the moments below on non-compact section (ksi).
$1.3\ [M_D + M_{sD} + \frac{5}{3}(M_L + MI)]$

VR: Maximum $_L$ + impact shear range within the composite portion of the span for stud shear connector design (kips).

INTERIOR GIRDER REACTION TABLE					
		N. Abut.	Piers 1 & 3	Pier 2	S. Abut.
R_D	(k)	55.0	98.7	111.2	61.7
R_L	(k)	35.9	42.9	46.3	35.9
R_I	(k)	10.1	11.5	11.1	9.6
R_{Total}	(k)	101.0	153.1	168.6	107.2

* Compact section
** Braced non-compact and partially braced section

Dead load reaction at abutments include 32.7 kips for concrete diaphragm and approach pavement.

INTERIOR BEAM MOMENT TABLE						
		0.4 Span 1	Piers 1 & 3	0.5 Span 2 & 3	Pier 2	0.6 Span 4
Is	(in^4)	9612	9612	9612	13276	9612
Ic(n)	(in^4)	24299	-	24299	-	24299
Ic(3n)	(in^4)	17748	-	17748	-	17748
Ss	(in^3)	534	534	534	718	534
Sc(n)	(in^3)	768	-	768	-	768
Sc(3n)	(in^3)	692	-	692	-	692
Z	(in^3)	-	616	-	816	-
w_D	(k/')	0.784	0.784	0.784	0.827	0.784
M_D	('k)	112.6	404.3	240.5	529.9	199.9
s_D	(k/')	0.47	0.47	0.47	0.47	0.47
M_{sD}	('k)	85.5	192.0	193.2	263.6	140.0
M_L	('k)	311.2	257.9	471.8	329.8	392.7
MI	('k)	87.8	65.3	113.2	79.2	104.8
$\frac{5}{3}[M_L + I]$	('k)	665.0	538.7	975.0	681.7	829.2
Ma	('k)	1122.0	1475.5	1831.3	1917.7	1519.8
* Mu	('k)	2302.8	-	2302.8	-	2302.8
f_s M_D non-comp	(ksi)	2.53	9.09	5.40	8.85	4.49
f_s M_D (comp)	(ksi)	1.48	4.31	3.35	4.41	2.43
f_s $\frac{5}{3}[M_L + M_I]$	(ksi)	10.39	12.10	15.23	11.39	12.96
fs (Overload)	(ksi)	14.40	25.50	23.99	24.65	19.88
** fs (Total)	(ksi)	-	33.16	-	32.05	-
VR	(k)	49.0	-	44.7	-	51.1

MODEL: 0260032-74983-035
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT Documents\DOT Offices\Bureau of Bridges and Structures\Projects\026003 2\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:28 AM

DESIGNED -	DAVID H. RICHTER	EXAMINED	
CHECKED -	RYAN P. NEGANGARD	PASSED	
DRAWN -	DENNIS A. POP		
CHECKED -	D.H.R. / R.P.N. / G.R.A.		

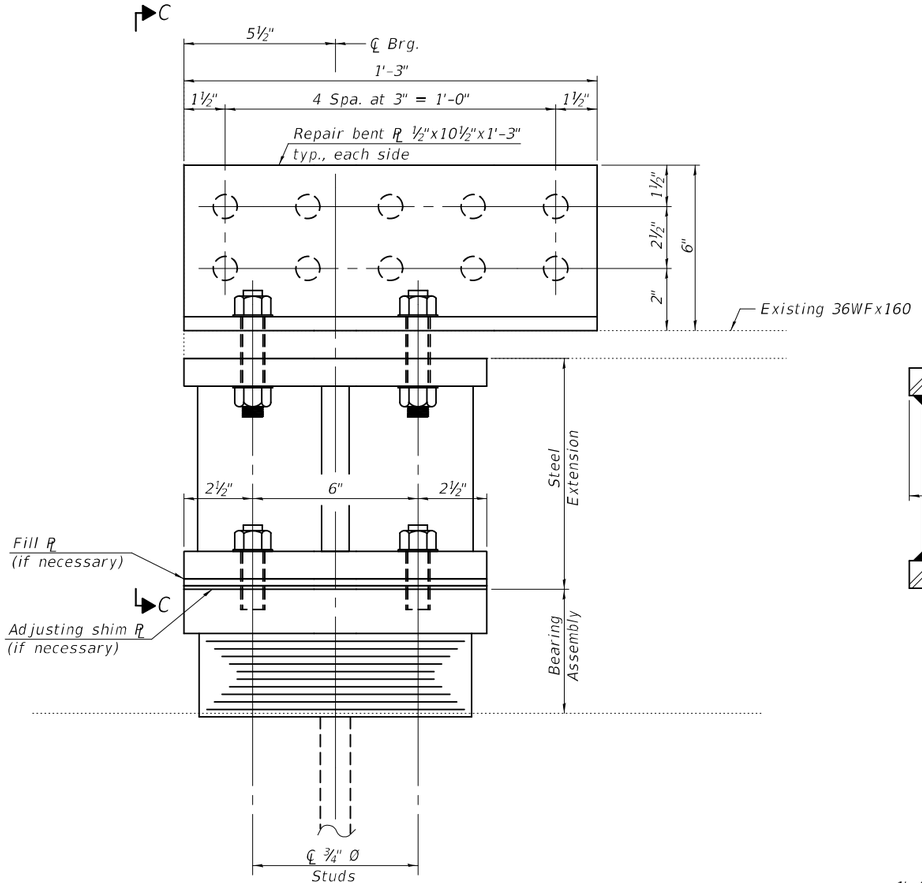
ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

DATE - October 13, 2022
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

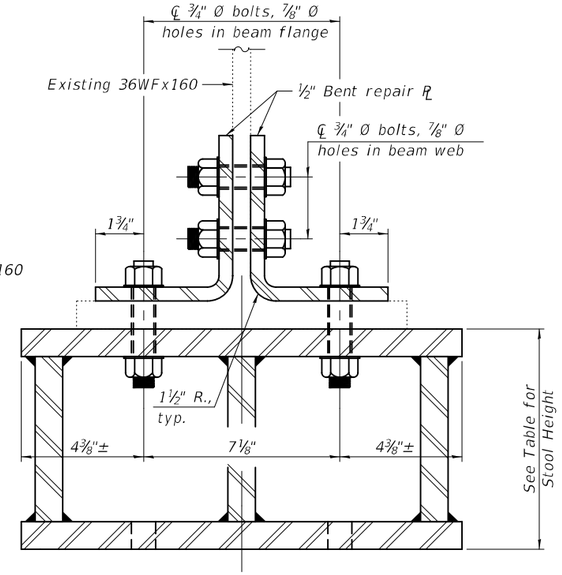
STRUCTURAL STEEL
STRUCTURE NO. 026-0032
SHEET 35 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	54
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		



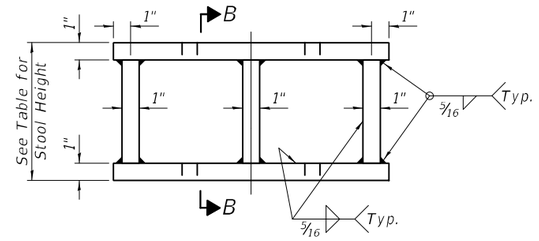
ELEVATION – STEEL EXTENSION

(End beam repair is only required at beam #14 at the South abutment)

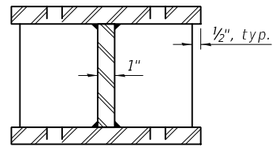


SECTION C–C

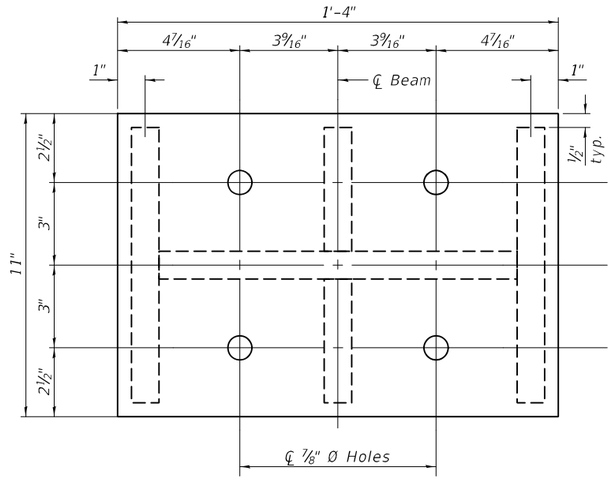
(Bearing assembly not shown)



STEEL EXTENSION



SECTION B–B



TOP & BOTTOM PLAN – STEEL EXTENSION

Notes:

See sheet 37 of 46 for additional notes, bearing details and Bill of Material.

Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.

Field drill holes in the existing web using the holes in the bent PL as a template. Cost of field drilling, bent plate, bolts, and nuts included with Furnishing and Erecting Structural Steel.

Cost of field drilling in the existing flange included in Jack and Remove Existing Bearings.

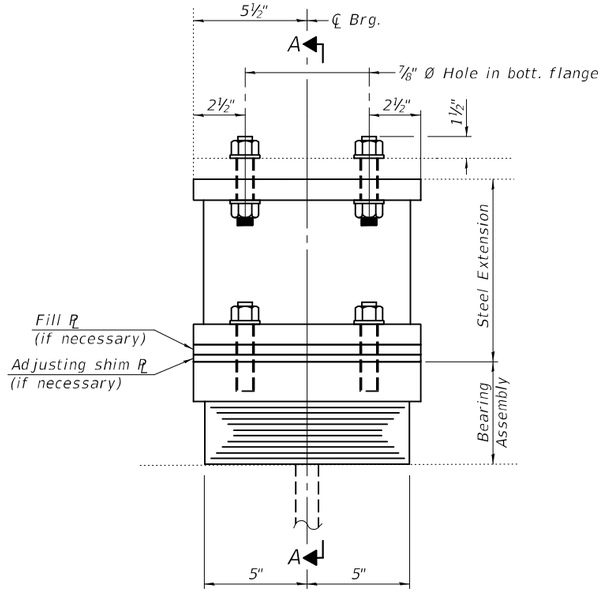
All steel extension and bent plates shall be galvanized according to AASHTO M111 or M232 as applicable.

STEEL EXTENSION DIMENSIONS

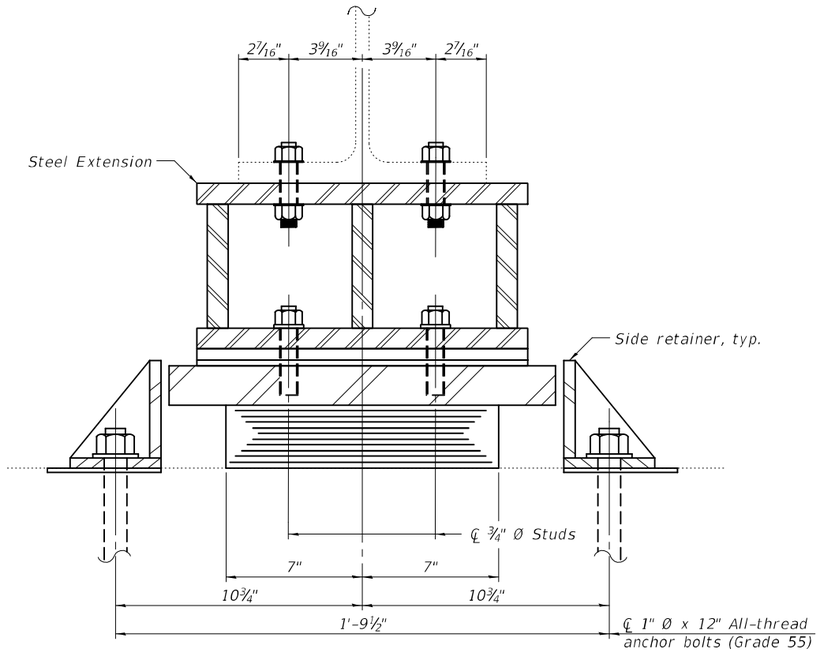
North Abutment			South Abutment		
Beam	Stool Height	Fill Plate Thickness	Beam	Stool Height	Fill Plate Thickness
1	7⅜"	½"	1	7⅜"	⅞"
2	8⅝"	0	2	8⅝"	0
3	8⅝"	0	3	8⅝"	0
4	8⅝"	⅛"	4	8⅝"	0
5	8⅝"	0	5	7⅜"	⅝"
6	7⅜"	½"	6	7⅜"	1⅛"
7	7⅜"	1	7	8⅝"	¾"
8	8⅝"	⅞"	8	8⅝"	⅛"
9	8⅝"	0	9	7⅜"	¼"
10	8⅝"	⅜"	10	7⅜"	1"
11	8⅝"	⅛"	11	7⅜"	⅞"
12	8⅝"	⅞"	12	8⅝"	½"
13	8⅝"	0	13	8⅝"	0
14	7⅜"	¾"	14	7⅜"	⅝"

DESIGNED - DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURAL STEEL DETAILS STRUCTURE NO. 026-0032	F.A.P. RTE. 322 | SECTION (26-2)B | COUNTY FAYETTE | TOTAL SHEETS 74 | SHEET NO. 55
CHECKED - RYAN P. NEGANGARD				SHEET 36 OF 46 SHEETS	CONTRACT NO. 74983
DRAWN - DENNIS A. POP	PASSED	REVISED -			ILLINOIS | FED. AID PROJECT
CHECKED - D.H.R. / R.P.N. / G.R.A.	ENGINEER OF BRIDGE DESIGN ENGINEER OF BRIDGES AND STRUCTURES	REVISED -			

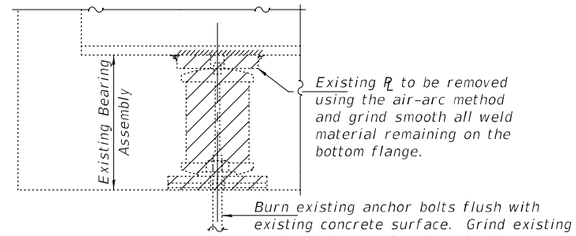
MODEL: 0260032-74983-036
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:30 AM



ELEVATION AT ABUT.



SECTION A-A



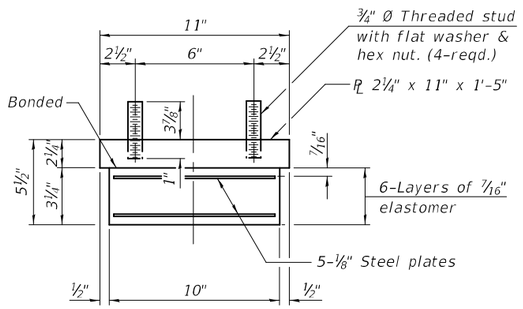
EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.

JACK & REMOVE EXISTING BEARING PROCEDURE

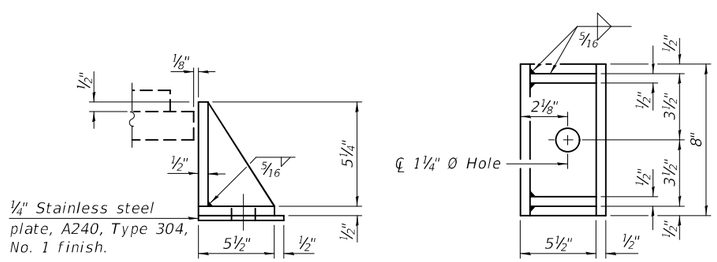
1. The Contractor shall submit for approval by the Engineer, plans for jacking existing beams and installing new bearings prior to commencing any related work. The deal load reaction per beam (weight of steel only) is 2.5 Tons at each abutment. Minimum jack capacity is 5 Tons at each abutment.
2. Prior to ordering any material, the Contractor shall verify steel extension and fill plate thickness required at each bearing.
3. Jacking and removing existing bearings shall be done after the existing deck is removed and prior to placing the new deck.
4. Jacking lifts shall be limited in accordance with the Special Provision "Jack and Remove Existing Bearings".
5. The new bearings, plates, and steel extensions shall be in place and the jack shall be lowered before the new concrete deck is poured.

TYPE I ELASTOMERIC EXP. BRG.



BEARING ASSEMBLY

Note:
Shim plates shall not be placed under bearing assembly.



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

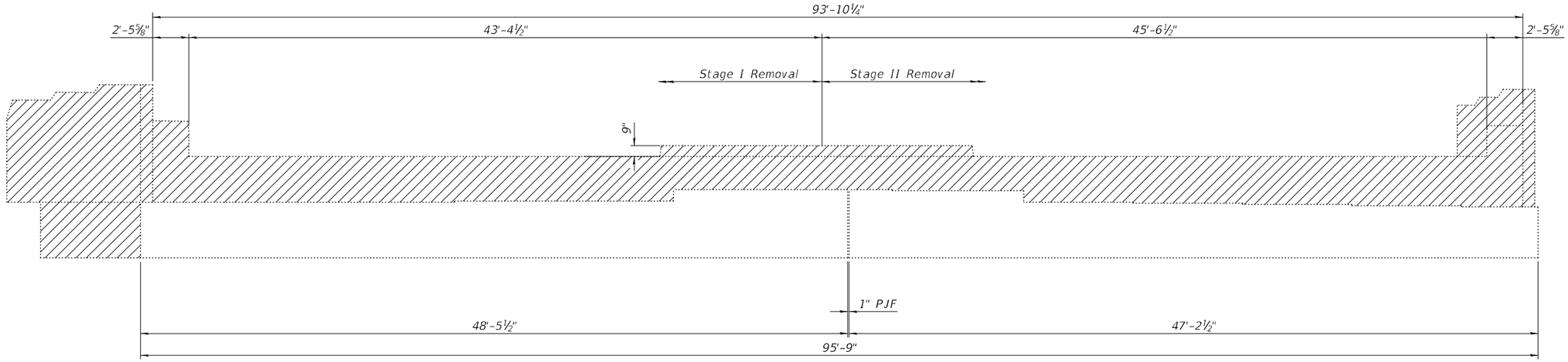
Notes:
Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.
See sheet 36 of 46 for steel extension details.
Two ⅛ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
All bearing plates, steel extensions, side retainers, anchor bolts, nuts, and washers shall be galvanized according to AASHTO M111 or M232 as applicable.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	28
Anchor Bolts, 1"	Each	56
Furnishing and Erecting Structural Steel	Pound	6030
Jack and Remove Existing Bearings	Each	28

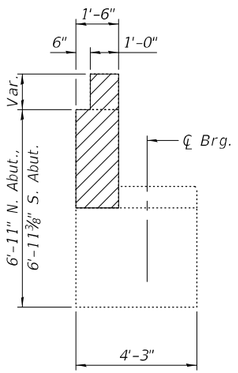
MODEL: 026032-74983-037
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\026032\CADD Plans\026032-74983.dgn
10/13/2022 11:52:30 AM

DESIGNED - DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BEARING DETAILS STRUCTURE NO. 026-0032	F.A.P. RTE. 322 | SECTION (26-2)B | COUNTY FAYETTE | TOTAL SHEETS 74 | SHEET NO. 56
CHECKED - RYAN P. NEGANGARD					CONTRACT NO. 74983
DRAWN - DENNIS A. POP	PASSED	REVISED -		SHEET 37 OF 46 SHEETS	ILLINOIS | FED. AID PROJECT
CHECKED - D.H.R. / R.P.N. / G.R.A.	ENGINEER OF BRIDGE DESIGN	REVISED -			
	ENGINEER OF BRIDGES AND STRUCTURES				



ELEVATION

(North abutment shown, looking North – South abutment similar)



ABUTMENT REMOVAL

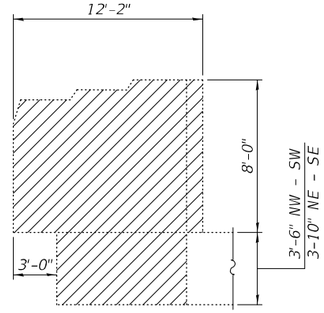
(North Abut. shown, South Abut. similar)

Notes:

Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

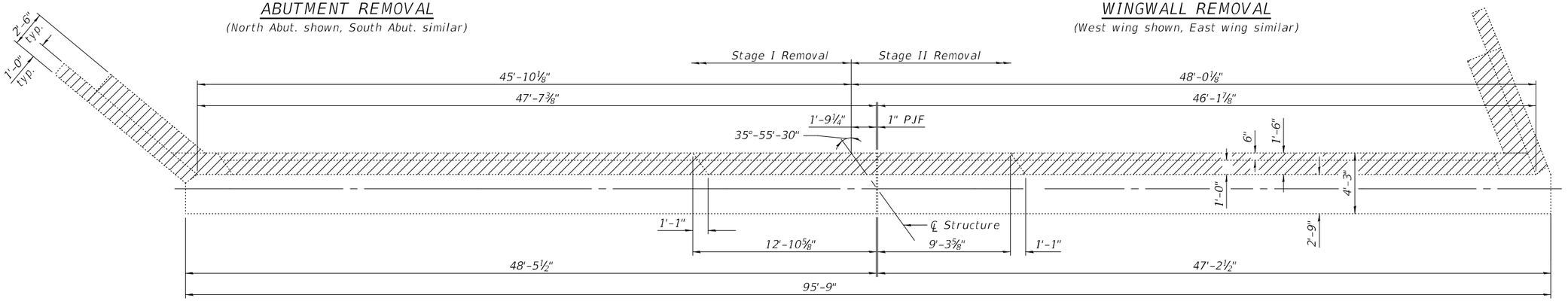
Hatched areas indicate Concrete Removal.

Any reinforcement bars that are damaged during concrete removal operation shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with "Concrete Removal".



WINGWALL REMOVAL

(West wing shown, East wing similar)



PLAN

(North abutment shown, South abutment similar)

BILL OF MATERIAL - 2 ABUTMENTS

Item	Unit	Total
Concrete Removal	Cu. Yd.	71.4

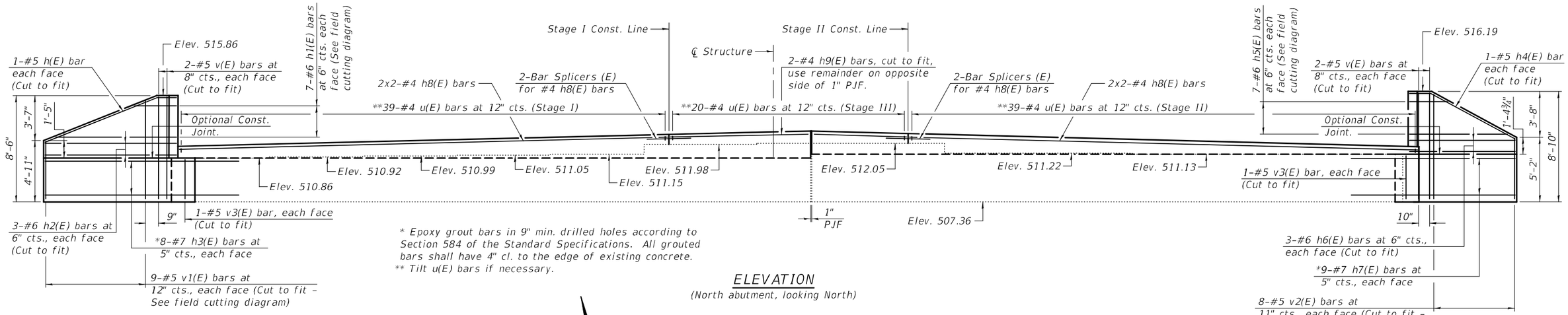
DESIGNED - DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**ABUTMENT CONCRETE REMOVAL STRUCTURE NO. 026-0032**	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - RYAN P. NEGANGARD					322	(26-2)B	FAYETTE	74	57
DRAWN - DENNIS A. POP	PASSED	REVISED -		SHEET 38 OF 46 SHEETS			CONTRACT NO. 74983		
CHECKED - D.H.R. / R.P.N. / G.R.A.		REVISED -					ILLINOIS	FED. AID PROJECT	

ENGINEER OF BRIDGE DESIGN

ENGINEER OF BRIDGES AND STRUCTURES

FILE NAME:

10/13/2022 11:52:32 AM

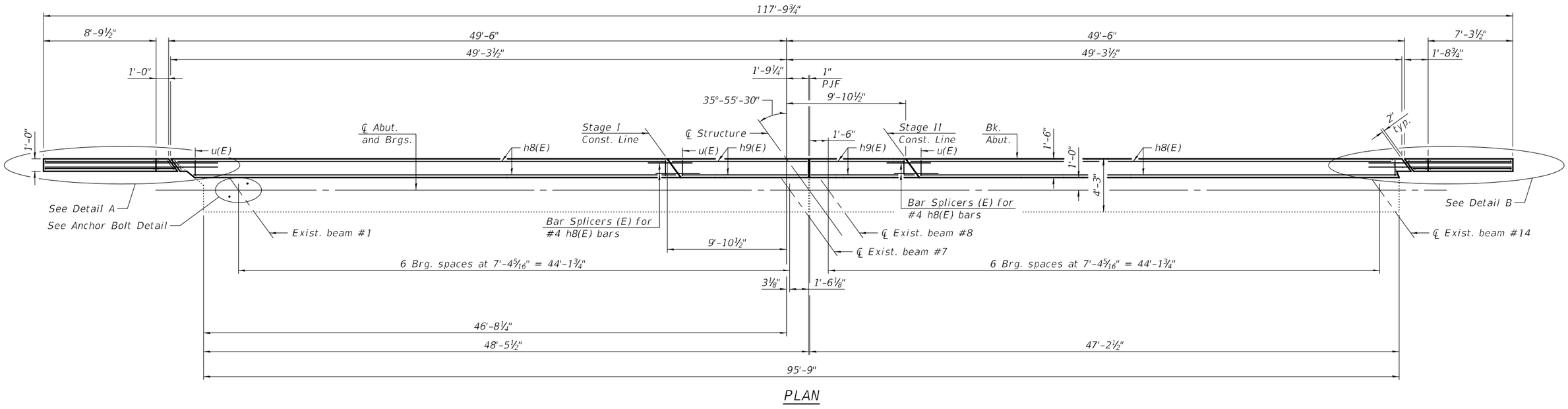


* Epoxy grout bars in 9" min. drilled holes according to Section 584 of the Standard Specifications. All grouted bars shall have 4" cl. to the edge of existing concrete.
** Tilt u(E) bars if necessary.

ELEVATION
(North abutment, looking North)

Notes:
Bars indicated thus 2x2-#4 etc. indicates 2 lines of bars with 2 lengths per line.
See sheet 41 of 46 for additional details, Anchor Bolts, notes and Bill of Material.

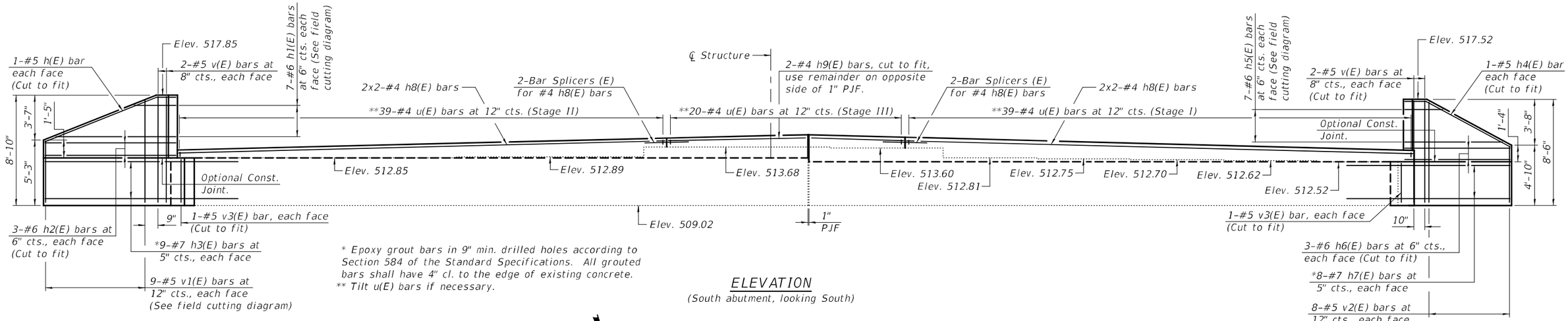
MINIMUM BAR LAP
#4 bar = 2'-7"



PLAN

DESIGNED - DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**NORTH ABUTMENT STRUCTURE NO. 026-0032**	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - RYAN P. NEGANGARD	PASSED	REVISED -			322	(26-2)B	FAYETTE	74	58
DRAWN - DENNIS A. POP	ENGINEER OF BRIDGE DESIGN	REVISED -		SHEET 39 OF 46 SHEETS			CONTRACT NO. 74983		
CHECKED - D.H.R. / R.P.N. / G.R.A.	ENGINEER OF BRIDGES AND STRUCTURES						ILLINOIS	FED. AID PROJECT	

MODEL: 0260032-74983-039
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:33 AM

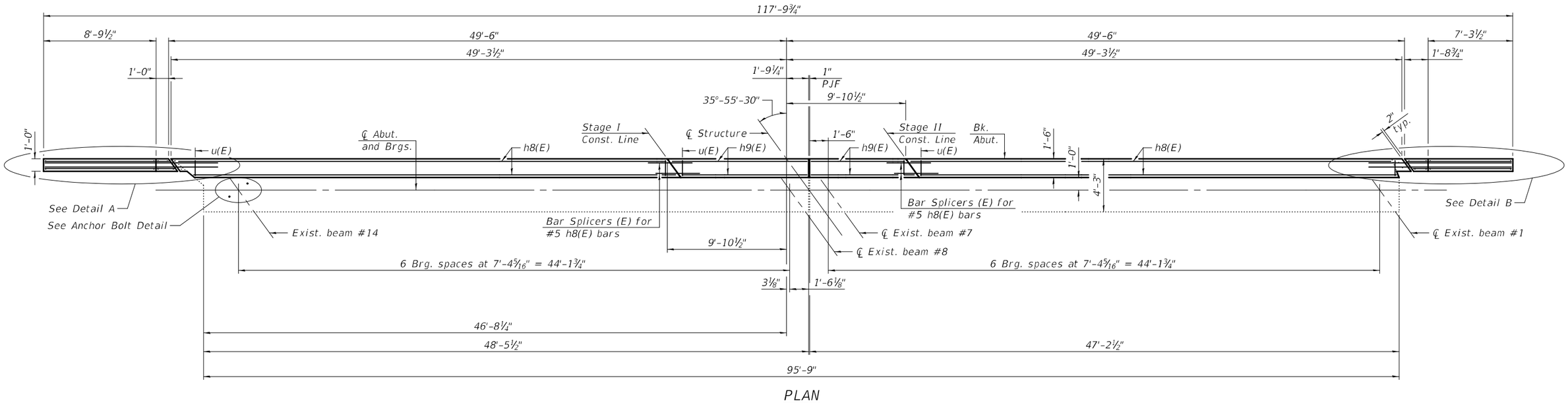


* Epoxy grout bars in 9" min. drilled holes according to Section 584 of the Standard Specifications. All grouted bars shall have 4" cl. to the edge of existing concrete.
** Tilt u(E) bars if necessary.

ELEVATION
(South abutment, looking South)

Notes:
Bars indicated thus 2x2-#4 etc. indicates 2 lines of bars with 2 lengths per line.
See sheet 41 of 46 for additional details, Anchor Bolts, notes and Bill of Material.

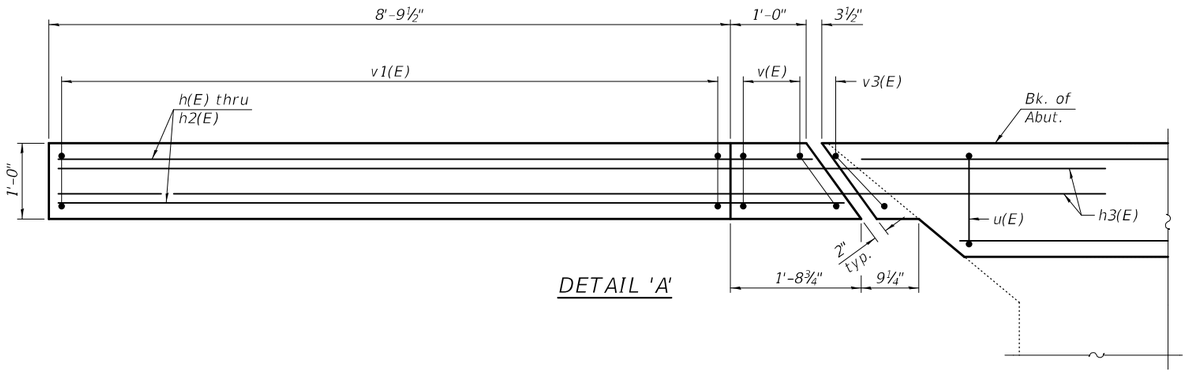
MINIMUM BAR LAP
#4 bar = 2'-7"



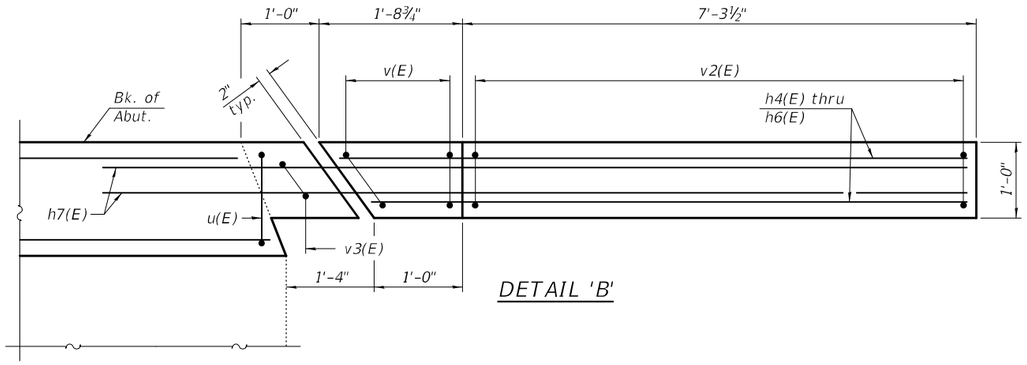
PLAN

DESIGNED - DAVID H. RICHTER	EXAMINED		DATE - October 13, 2022	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SOUTH ABUTMENT STRUCTURE NO. 026-0032**	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - RYAN P. NEGANGARD	PASSED	ENGINEER OF BRIDGE DESIGN	REVISED -			322	(26-2)B	FAYETTE	74	59
DRAWN - DENNIS A. POP			REVISED -		SHEET 40 OF 46 SHEETS			CONTRACT NO. 74983		
CHECKED - D.H.R. / R.P.N. / G.R.A.		ENGINEER OF BRIDGES AND STRUCTURES						ILLINOIS FED. AID PROJECT		

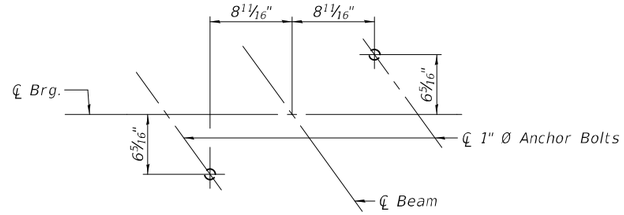
MODEL: 0260032-74983-040
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:34 AM



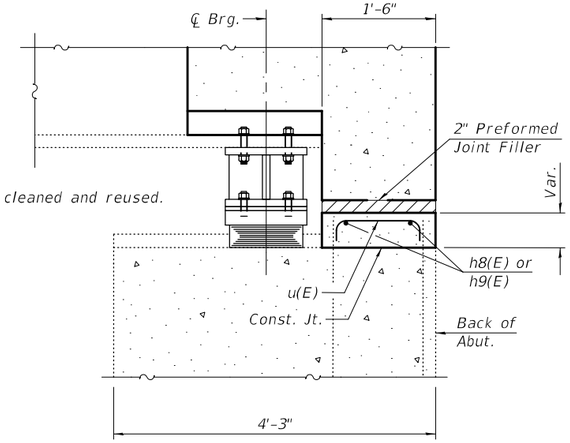
DETAIL 'A'



DETAIL 'B'



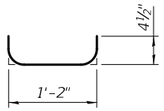
ANCHOR BOLT DETAIL



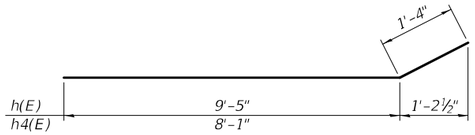
Note:
Existing reinforcement to be cleaned and reused.

SEC. THRU ABUT.

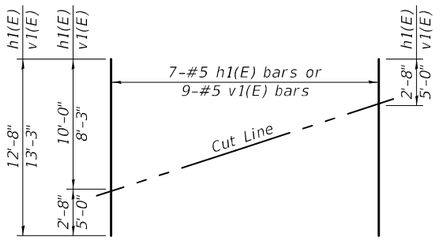
Dimensions at right angles to abutment.



BAR u(E)

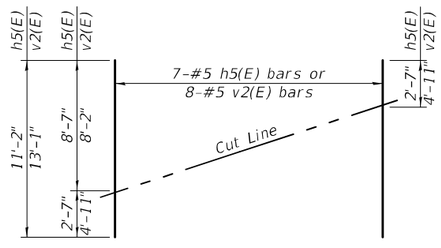


BARS h(E) and h4(E)



FIELD CUTTING DIAGRAM

Order h1(E) and v1(E) full length. Cut as shown and use remainder of bars in opposite face.



FIELD CUTTING DIAGRAM

Order h5(E) and v2(E) full length. Cut as shown and use remainder of bars in opposite face.

NORTH ABUTMENT
BILL OF MATERIAL

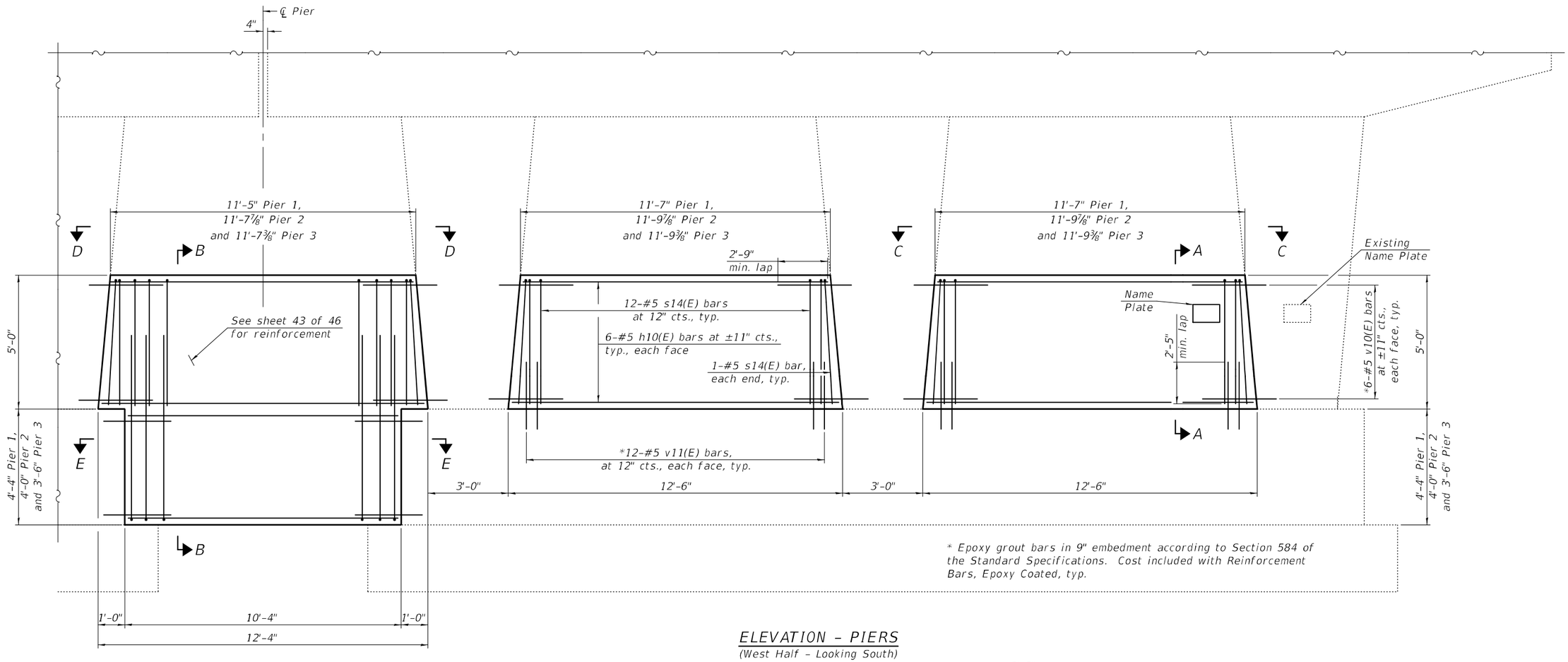
Bar	No.	Size	Length	Shape
h(E)	2	#5	10'-9"	
h1(E)	7	#6	12'-8"	
h2(E)	6	#6	10'-0"	
h3(E)	16	#7	11'-6"	
h4(E)	2	#5	9'-5"	
h5(E)	7	#6	11'-2"	
h6(E)	6	#6	8'-7"	
h7(E)	18	#7	10'-7"	
h8(E)	8	#4	20'-10"	
h9(E)	2	#4	18'-11"	
u(E)	98	#4	1'-11"	ↄ
v(E)	8	#5	8'-6"	
v1(E)	9	#5	13'-3"	
v2(E)	8	#5	13'-1"	
v3(E)	4	#5	3'-10"	
Structure Excavation		Cu. Yd.	214	
Concrete Structures		Cu. Yd.	10.0	
Reinforcement Bars, Epoxy Coated		Pound	1810	

SOUTH ABUTMENT
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	2	#5	10'-9"	
h1(E)	7	#6	12'-8"	
h2(E)	6	#6	10'-0"	
h3(E)	18	#7	11'-6"	
h4(E)	2	#5	9'-5"	
h5(E)	7	#6	11'-2"	
h6(E)	6	#6	8'-7"	
h7(E)	16	#7	10'-7"	
h8(E)	8	#4	20'-10"	
h9(E)	2	#4	18'-11"	
u(E)	98	#4	1'-11"	ↄ
v(E)	8	#5	8'-6"	
v1(E)	9	#5	13'-3"	
v2(E)	8	#5	13'-1"	
v3(E)	4	#5	3'-10"	
Structure Excavation		Cu. Yd.	215	
Concrete Structures		Cu. Yd.	10.0	
Reinforcement Bars, Epoxy Coated		Pound	1810	

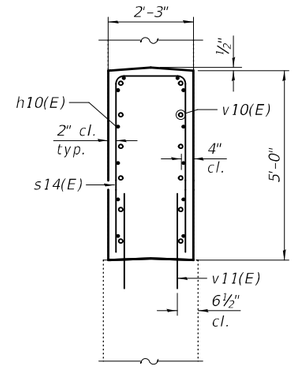
MODEL: 0260032-74983-041
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:35 AM

DESIGNED - DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ABUTMENT DETAILS STRUCTURE NO. 026-0032	F.A.P. RTE. 322 / SECTION (26-2)B / COUNTY FAYETTE / TOTAL SHEETS 74 / SHEET NO. 60
CHECKED - RYAN P. NEGANGARD					CONTRACT NO. 74983
DRAWN - DENNIS A. POP	PASSED	REVISED -		SHEET 41 OF 46 SHEETS	ILLINOIS / FED. AID PROJECT
CHECKED - D.H.R. / R.P.N. / G.R.A.	ENGINEER OF BRIDGE DESIGN	REVISED -			
	ENGINEER OF BRIDGES AND STRUCTURES				

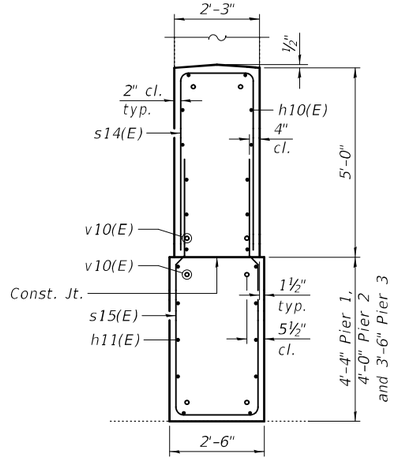


* Epoxy grout bars in 9" embedment according to Section 584 of the Standard Specifications. Cost included with Reinforcement Bars, Epoxy Coated, typ.

ELEVATION - PIERS
(West Half - Looking South)



SECTION A-A



SECTION B-B

Notes:
See sheet 43 of 46 for Section C-C, Section D-D, and Section E-E.
Locate the new Name Plate in the crashwall at Piers 1 and 3 only.

DESIGNED -	DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022
CHECKED -	RYAN P. NEGANGARD	PASSED	REVISED -
DRAWN -	DENNIS A. POP		REVISED -
CHECKED -	D.H.R. / R.P.N. / G.R.A.		

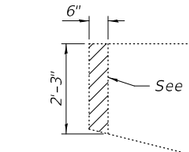
ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

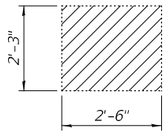
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIERS
STRUCTURE NO. 026-0032
SHEET 42 OF 46 SHEETS

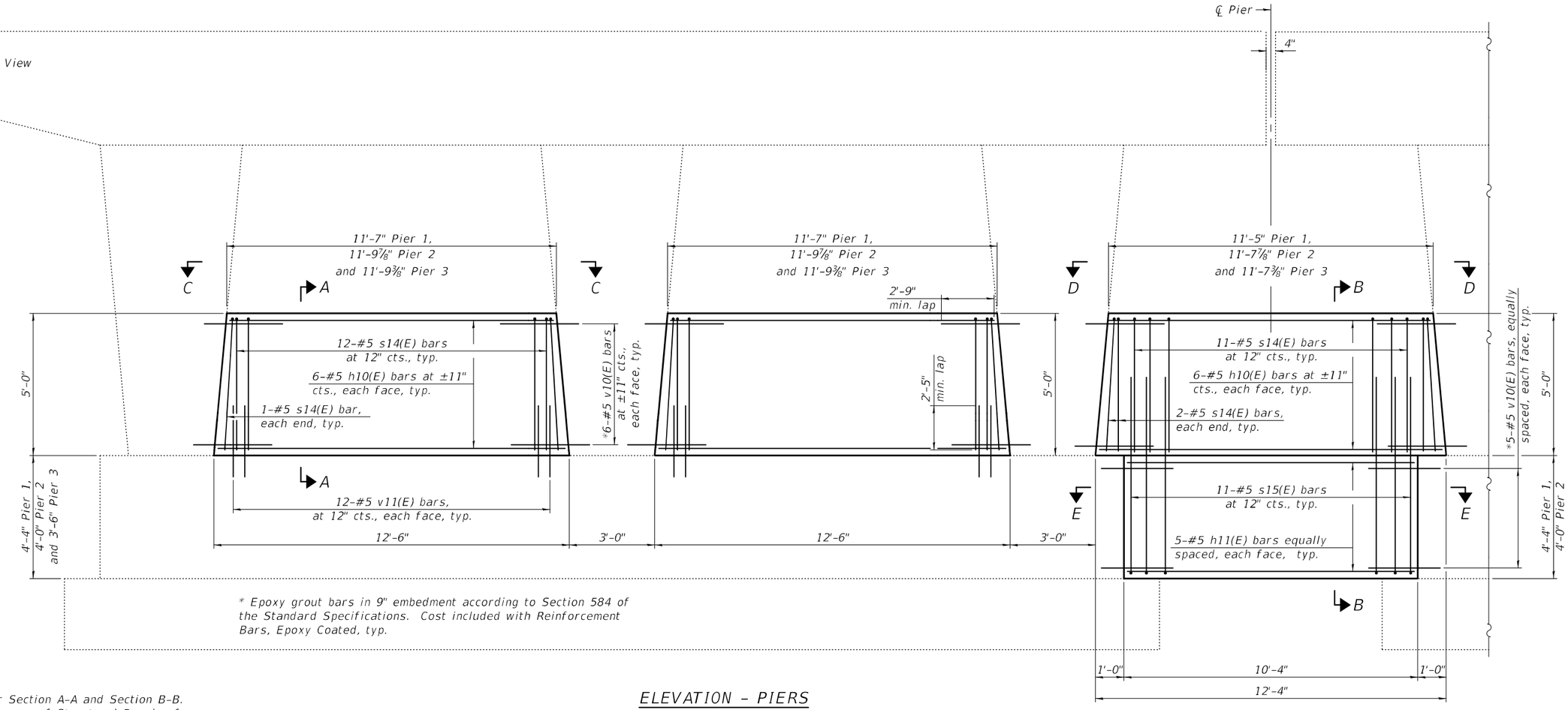
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	61
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		

MODEL: 0260032-74983-042
FILE NAME: pw:\\fdot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:38 AM





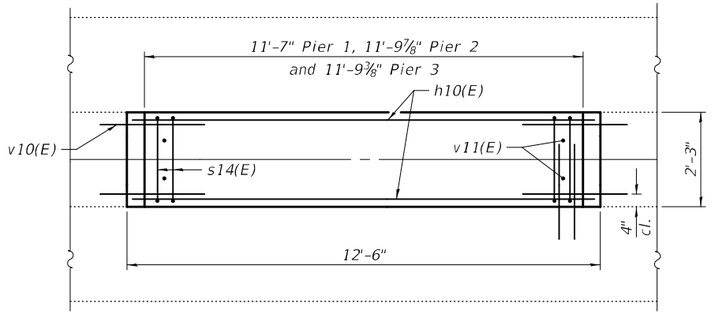
END VIEW



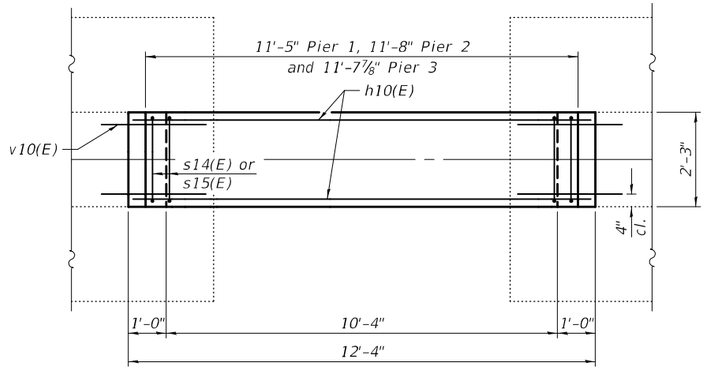
* Epoxy grout bars in 9" embedment according to Section 584 of the Standard Specifications. Cost included with Reinforcement Bars, Epoxy Coated, typ.

ELEVATION – PIERS
(East Half – Looking South)

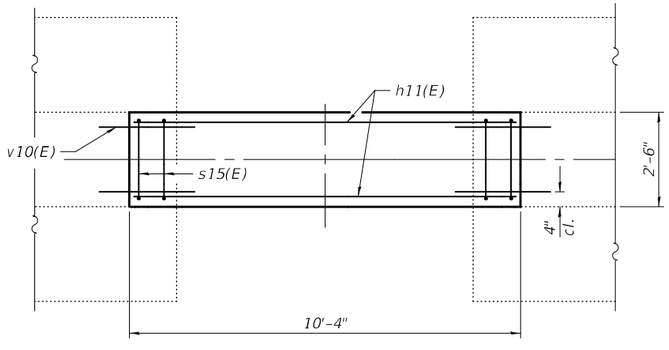
Notes:
See sheet 42 of 46 for Section A-A and Section B-B.
Hatched area indicates area of Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches).
Structural repair of concrete at pier 2 only.



SECTION C-C



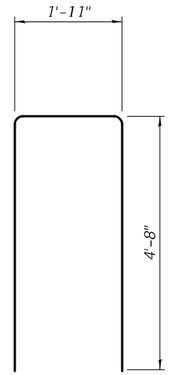
SECTION D-D



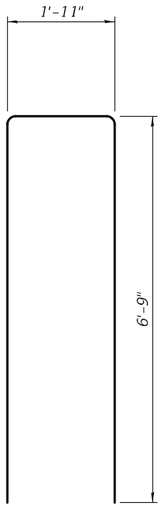
SECTION E-E

DESIGNED - DAVID H. RICHTER	EXAMINED		DATE - October 13, 2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIERS STRUCTURE NO. 026-0032	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - RYAN P. NEGANGARD	PASSED	ENGINEER OF BRIDGE DESIGN	REVISED -		SHEET 43 OF 46 SHEETS	322	(26-2)B	FAYETTE	74	62
DRAWN - DENNIS A. POP		ENGINEER OF BRIDGES AND STRUCTURES	REVISED -						CONTRACT NO. 74983	
CHECKED - D.H.R. / R.P.N. / G.R.A.								ILLINOIS	FED. AID PROJECT	

MODEL: 026O032-74983-043
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\026O032\CADD Plans\026O032-74983.dgn
10/13/2022 11:52:42 AM



BAR s14(E)



BAR s15(E)

PIER 1
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h10(E)	60	#5	11'-2"	
h11(E)	10	#5	10'-0"	
s14(E)	71	#5	11'-3"	
s15(E)	11	#5	15'-5"	
v10(E)	140	#5	4'-2"	
v11(E)	96	#5	3'-4"	
Concrete Structures			Cu. Yd.	29.2
Structure Excavation			Cu. Yd.	11
Reinforcement Bars, Epoxy Coated			Pound	2760
Name Plates			Each	1

PIER 2
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h10(E)	60	#5	11'-2"	
h11(E)	10	#5	10'-0"	
s14(E)	71	#5	11'-3"	
s15(E)	11	#5	15'-5"	
v10(E)	140	#5	4'-2"	
v11(E)	96	#5	3'-4"	
Concrete Structures			Cu. Yd.	29.1
Structure Excavation			Cu. Yd.	10
Reinforcement Bars, Epoxy Coated			Pound	2760
Structural Repair of Concrete (Depth Equal to or Less Than 5 inches)			Sq. Ft.	8

PIER 3
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h10(E)	60	#5	11'-2"	
h11(E)	10	#5	10'-0"	
s14(E)	71	#5	11'-3"	
s16(E)	11	#5	15'-5"	
v10(E)	140	#5	4'-2"	
v11(E)	96	#5	3'-4"	
Concrete Structures			Cu. Yd.	28.6
Structure Excavation			Cu. Yd.	9
Reinforcement Bars, Epoxy Coated			Pound	2760
Name Plates			Each	1

MODEL: 0260032-74983-044
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn

DESIGNED -	DAVID H. RICHTER	
CHECKED -	RYAN P. NEGANGARD	
DRAWN -	DENNIS A. POP	
CHECKED -	D.H.R. / R.P.N. / G.R.A.	

10/13/2022 11:52:43 AM

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

DATE - October 13, 2022

REVISED -

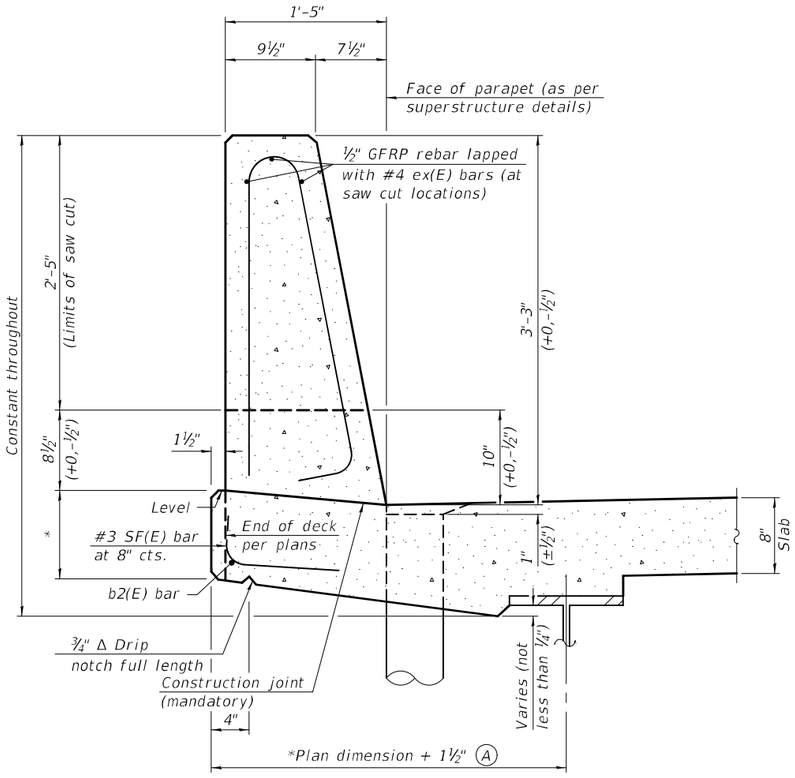
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER DETAILS
STRUCTURE NO. 026-0032

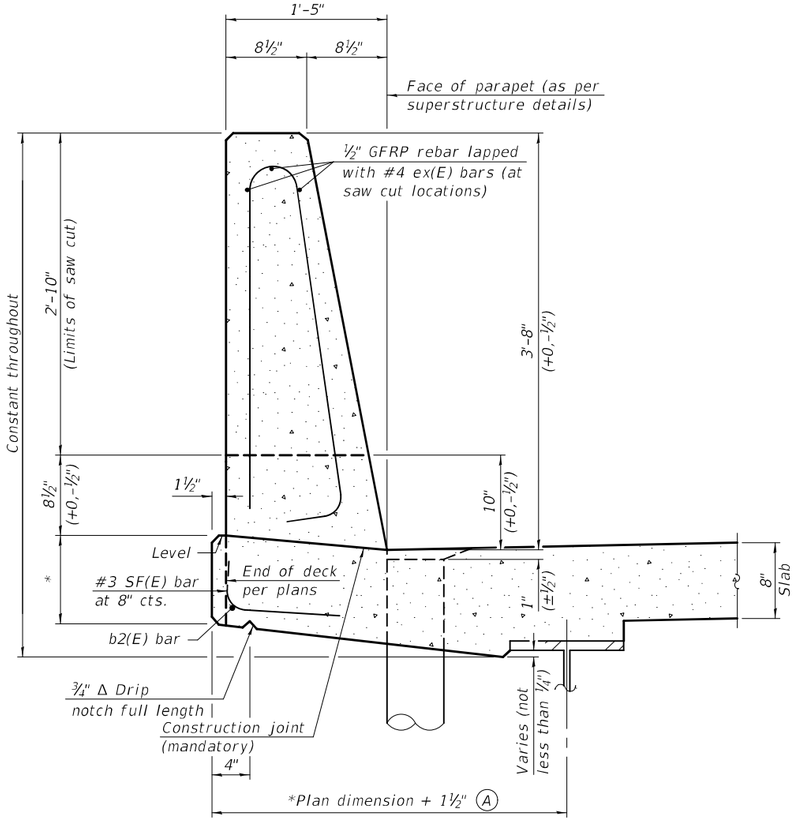
SHEET 44 OF 46 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	63
		CONTRACT NO. 74983		
	ILLINOIS FED. AID PROJECT			



39" CONSTANT-SLOPE PARAPET SECTION

(Showing dimensions, d(E), and ½" Ø GFRP rebar)



44" CONSTANT-SLOPE PARAPET SECTION

(Showing dimensions, d(E), and ½" Ø GFRP rebar)

*See Superstructure Details.

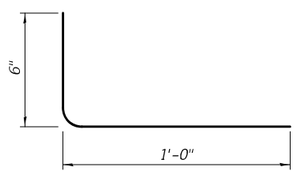
Notes:

All dimensions shall remain the same as shown on superstructure details, except dimension A which is to be revised as shown. Additional concrete needed to revise dimension A = 0.00348 cu. yds./ft. for 39" and 44" parapets.

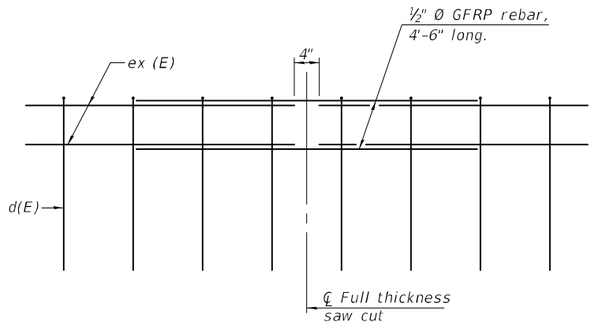
Place full depth aluminum sheets as shown on superstructure details.

Replace all cork joint filler locations with a full thickness saw cut.

Steel superstructure shown. Other superstructure types similar.



#3 SF(E) BAR



GFRP REBAR STIFFENING DETAIL

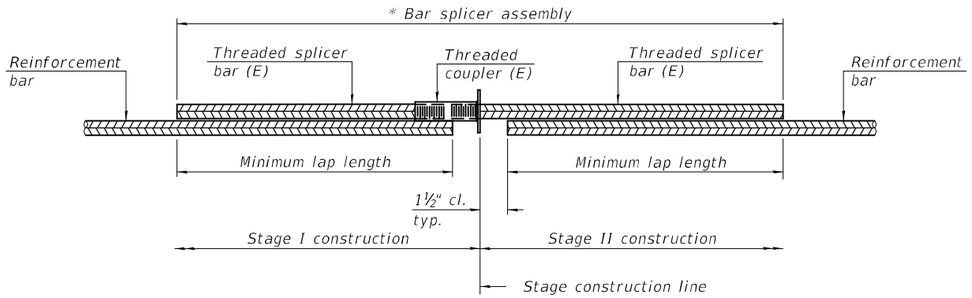
(Place as shown in parapet section at each parapet joint location.)

SFP 39-44 1-1-2020

DESIGNED - DAVID H. RICHTER	EXAMINED		DATE - October 13, 2022	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CONCRETE PARAPET SLIPFORMING OPTION STRUCTURE NO. 026-0032**
CHECKED - RYAN P. NEGANGARD	PASSED	ENGINEER OF BRIDGE DESIGN	REVISED -		SHEET 45 OF 46 SHEETS
DRAWN - DENNIS A. POP		ENGINEER OF BRIDGES AND STRUCTURES	REVISED -		
CHECKED - D.H.R. / R.P.N. / G.R.A.					

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(26-2)B	FAYETTE	74	64
		CONTRACT NO. 74983		
		ILLINOIS	FED. AID PROJECT	

MODEL: 0260032-74983-045
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\0260032\CADD Plans\0260032-74983.dgn
10/13/2022 11:52:43 AM



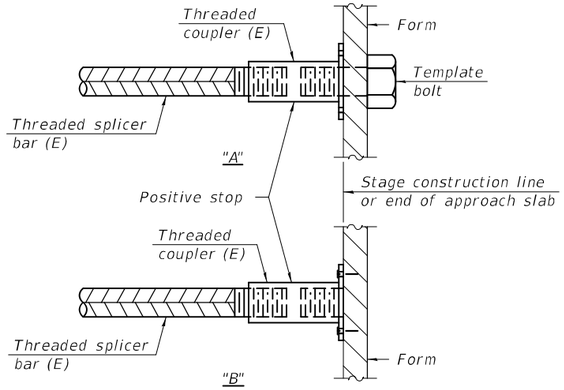
STANDARD BAR SPLICER ASSEMBLY PLAN

(All components shall be provided from one supplier)

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

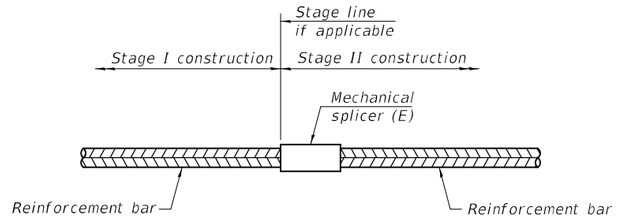
** Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.*

Location	Bar size	No. assemblies required	Minimum lap length
Median Top	#5	1042	See Bar Splicer Detail
Median Bottom	#5	680	See Bar Splicer Detail
Slab Along Ends	#5	8	3'-4"
Abutment Diaphragm, Back Face	#6	20	4'-0"
Abutment Diaphragm, Above PJF	#4	8	2'-5"
Abutment Backwall, Below PJF	#4	8	2'-5"
Approach Slab Top	#5	148	3'-4"
Approach Slab Bottom	#8	196	4'-9"
Approach Slab Footing	#5	160	3'-2"



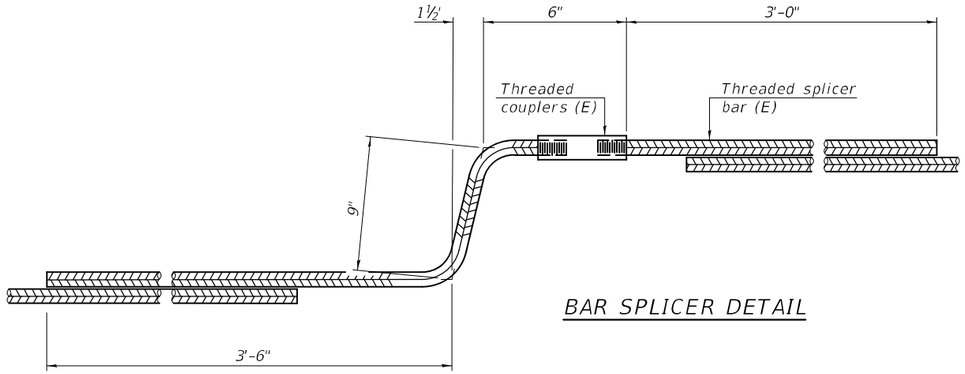
INSTALLATION AND SETTING METHODS

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



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER DETAIL

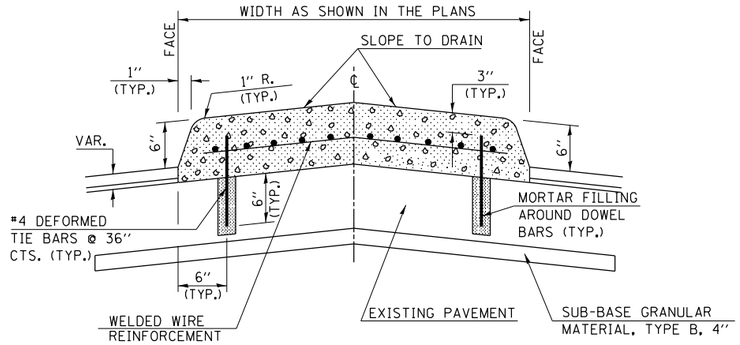
Notes:
Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

MODEL: 026032-74983-046
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Bureau of Bridges and Structures\Projects\026032\CADD Plans\026032-74983.dgn

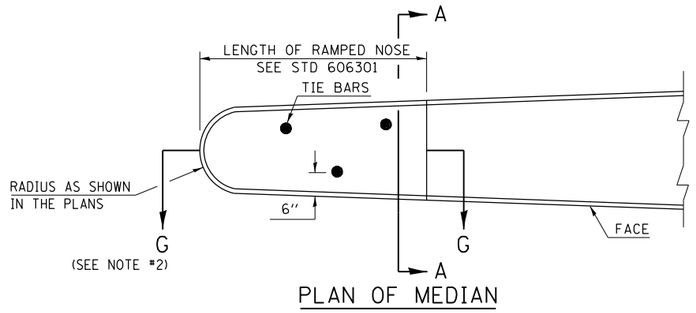
DESIGNED - DAVID H. RICHTER	EXAMINED	DATE - October 13, 2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS STRUCTURE NO. 026-0032	F.A.P. RTE. 322 | SECTION (26-2)B | COUNTY FAYETTE | TOTAL SHEETS 74 | SHEET NO. 65
CHECKED - RYAN P. NEGANGARD		REVISED -			CONTRACT NO. 74983
DRAWN - DENNIS A. POP	PASSED	REVISED -		SHEET 46 OF 46 SHEETS	ILLINOIS | FED. AID PROJECT
CHECKED - D.H.R. / R.P.N. / G.R.A.	ENGINEER OF BRIDGE DESIGN ENGINEER OF BRIDGES AND STRUCTURES				

10/13/2022 11:52:43 AM

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



SECTION A-A



PLAN OF MEDIAN

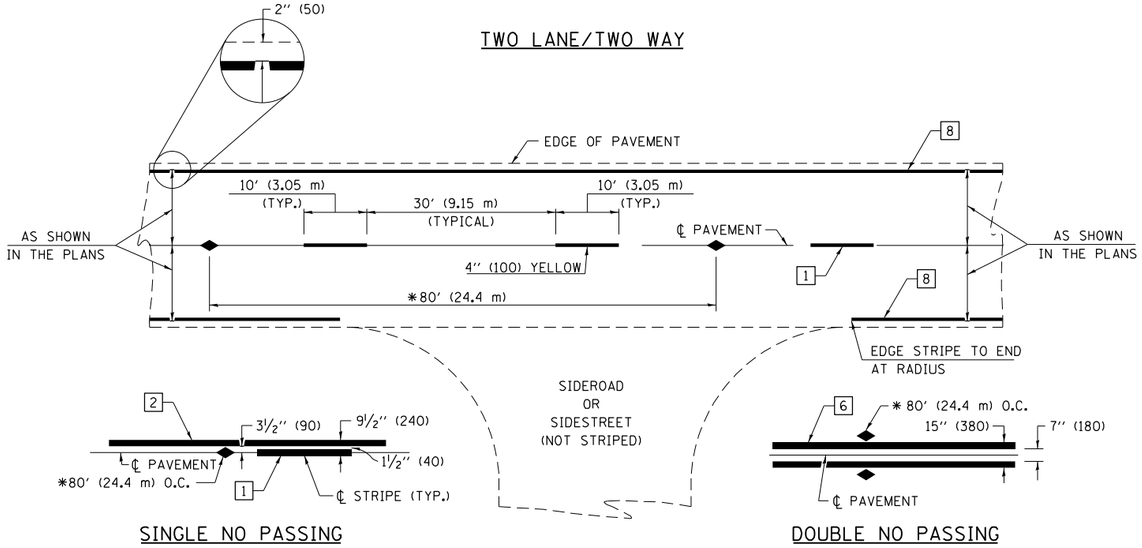
ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE SHOWN.

GENERAL NOTES

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

FILE NAME = pw:\\\\idot-pw.bentley.com:PWIDOT\\Documents\\IDOT Offices\\District 7\\Projects\\74983\\CADD\\Drawing sheets\\D774983-sht-details.dgn	USER NAME = Mona.Steffen	DESIGNED -	REVISED - MKS 4-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF CONCRETE MEDIAN, TYPE SB–6.06 (DOWELLED)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 24000.0000 ' / in.	CHECKED -	REVISED -			70	(26-2)B	FAYETTE	74	66
	PLOT DATE = 9/2/2022	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TWO LANE/TWO WAY



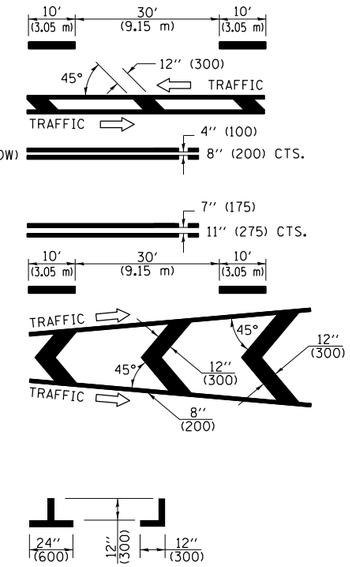
SINGLE NO PASSING

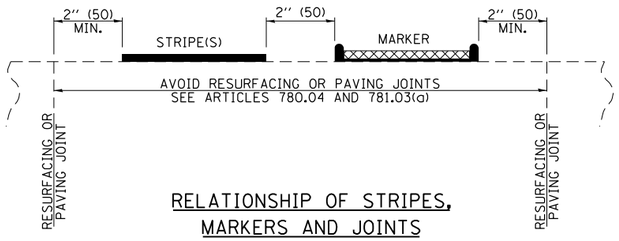
DOUBLE NO PASSING

∗ 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. 4" (100) DOUBLE YELLOW (WIDE)
7. 6" (150) SKIP-DASH (WHITE)
8. 4" (100) SOLID (WHITE)
9. 12" (300) DIAGONAL (WHITE)
10. 6" (150) SOLID (WHITE)
11. 24" (600) STOP BAR (WHITE)
12. 8" (200) SOLID (WHITE)
13. 4" (100) PARKING WHITE



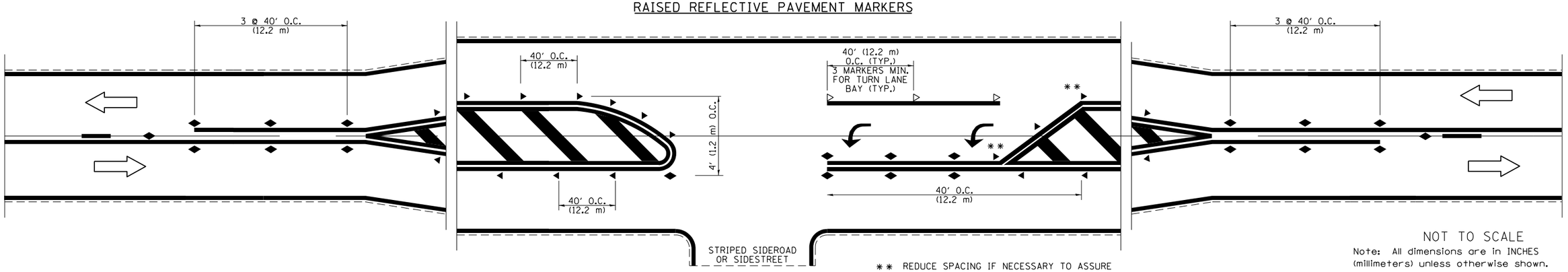


RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

TYPICAL PAVEMENT MARKERS LEGEND

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

RAISED REFLECTIVE PAVEMENT MARKERS



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

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 78000001

FILE NAME =	USER NAME = Mona.Steffen	DESIGNED -	REVISED - NAS 06/22
pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 7\Projects\74983\CADD\Drawing sheets\D774983-sht-details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 24000.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 9/2/2022	DATE -	REVISED -

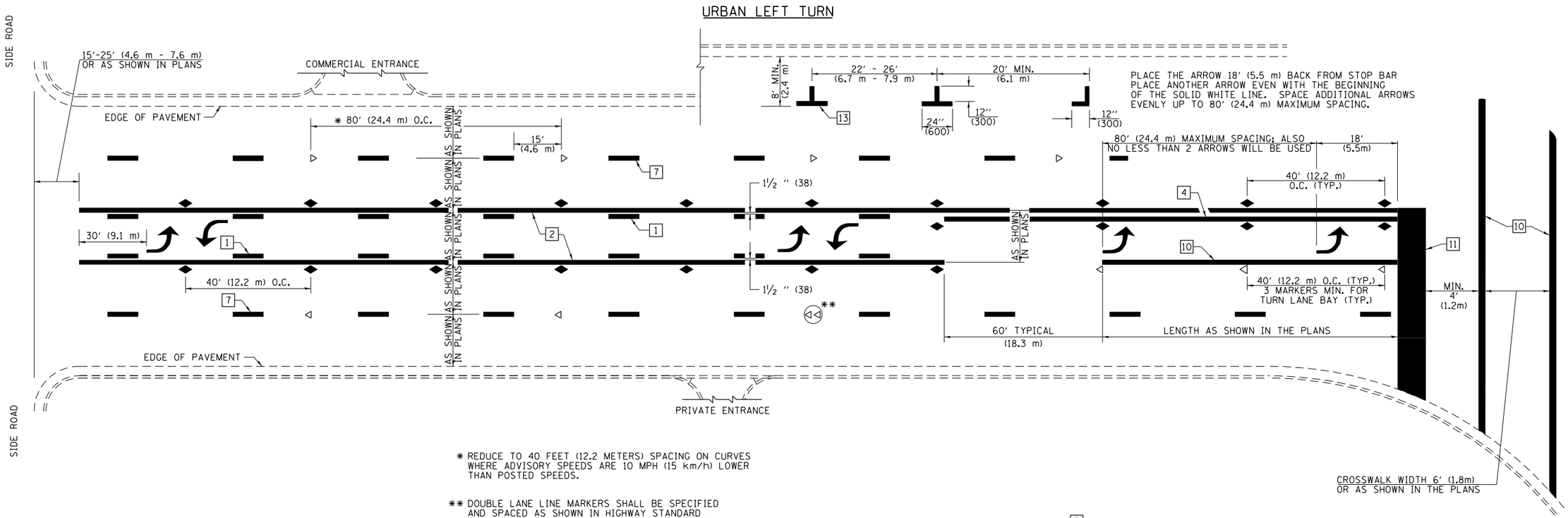
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	67
		CONTRACT NO. 74983		
		ILLINOIS	FED. AID PROJECT	

URBAN LEFT TURN

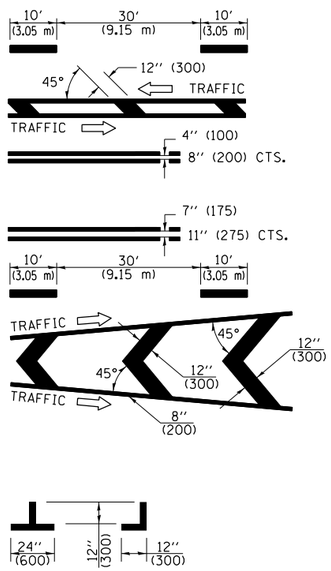


* REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

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

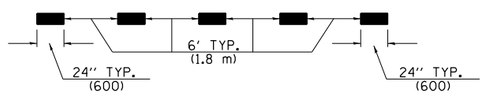
PAVEMENT MARKING LEGEND

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

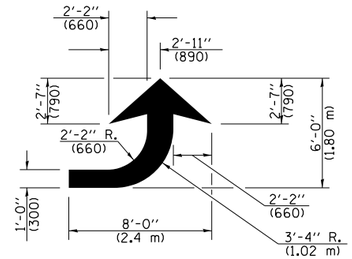


GENERAL NOTES

1. TURN ARROW PAIRS SHALL BE PLACED AT 250'(75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
2. THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
3. THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER.
4. USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE SECTION 780 FOR SYMBOLS TABLE)
5. LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.
6. ALL WHITE SKIP-DASH LINES SHALL BE 6" IN WIDTH.

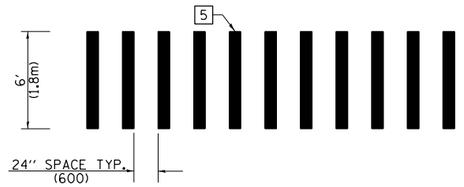


LANE LINE EXTENSIONS

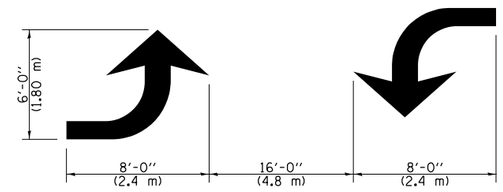


LEFT ARROW

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



CROSSWALK DETAIL
(DECATUR CITY LIMITS ONLY)



TYPICAL DOUBLE
TURN ARROWS (WHITE)

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 78000001

FILE NAME = pw:\\\\idot-pw.bentley.comPWIDOT\Documents\IDOT Offices\District 7\Projects\74983\CAD\Drawing sheets\D774983-sht-details.dgn	USER NAME = Mona.Steffen	DESIGNED -	REVISED - NAS 06/22
	PLOT SCALE = 24000.0000 ' / in.	DRAWN -	REVISED -
	PLOT DATE = 9/2/2022	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

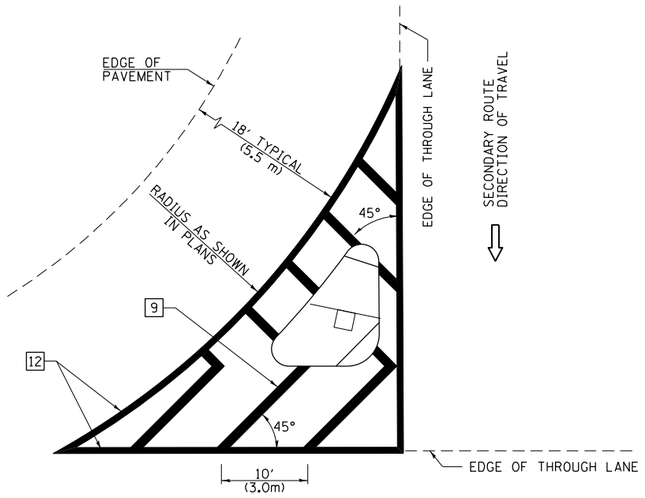
PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)

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

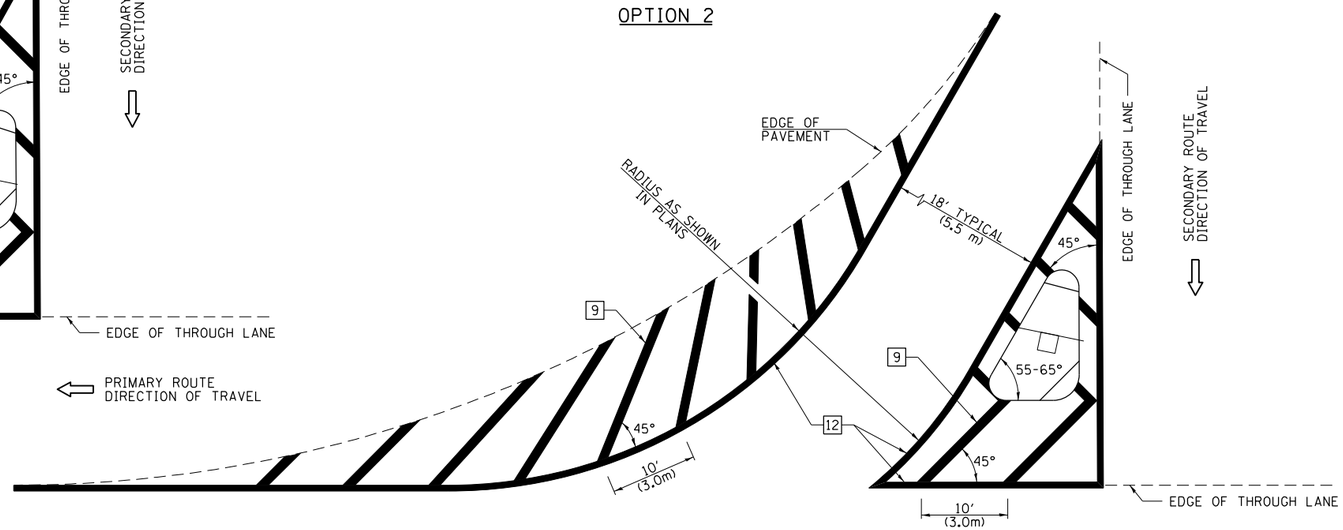
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	68
		CONTRACT NO. 74983		
	ILLINOIS FED. AID PROJECT			

ISLANDS

OPTION 1



OPTION 2



GENERAL NOTES

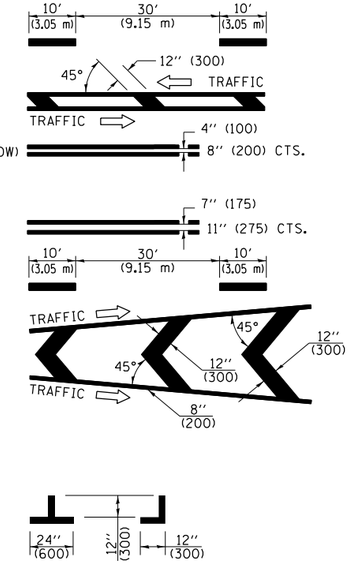
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2].
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED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

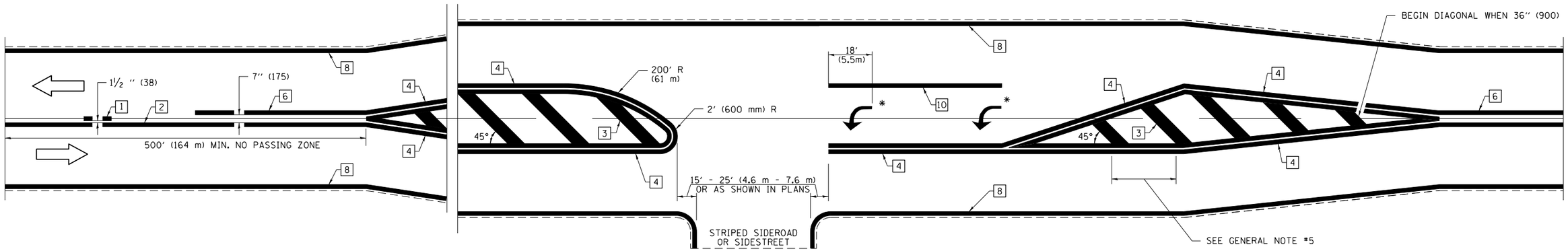
6. THE USE OF ISLAND STRIPING OPTION 1 OR OPTION 2 SHALL BE AS SHOWN ON THE PLANS.

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]	4″ (100) DOUBLE YELLOW (WIDE)
[7]	6″ (150) SKIP-DASH (WHITE)
[8]	4″ (100) SOLID (WHITE)
[9]	12″ (300) DIAGONAL (WHITE)
[10]	6″ (150) SOLID (WHITE)
[11]	24″ (600) STOP BAR (WHITE)
[12]	8″ (200) SOLID (WHITE)
[13]	4″ (100) PARKING WHITE



RURAL LEFT TURN STRIPING



* PLACE AN ARROW 18′ (5.5 m) BACK FROM END OF THE SOLID WHITE LINE. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80′ (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 78000001

FILE NAME = pw:\\idot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 7\Projects\74983\CADD\Drawing sheets\D774983-sht-details.dgn	USER NAME = Mona.Steffen	DESIGNED -	REVISED - NAS 06/22
			REVISED -
	PLOT SCALE = 24000.0000 ′ / in.	CHECKED -	REVISED -
	PLOT DATE = 9/2/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

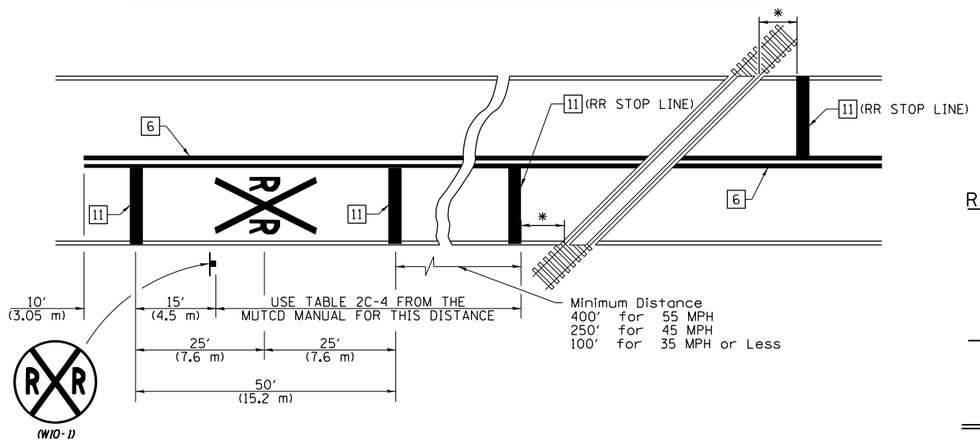
PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)

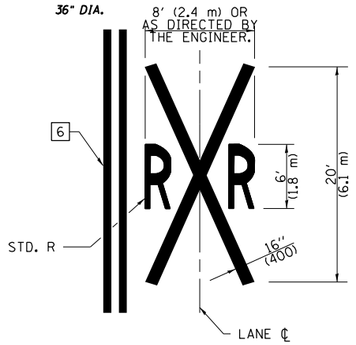
SCALE: | SHEET NO. 3 OF 4 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	69
		CONTRACT NO. 74983		
		ILLINOIS FED. AID PROJECT		

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING





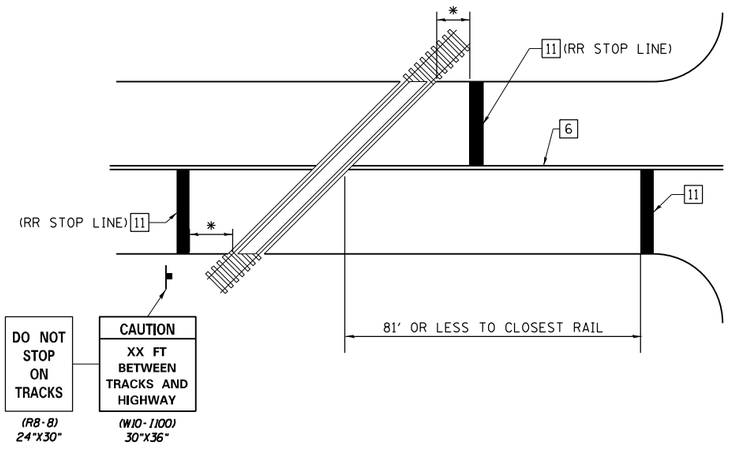
NOTES

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.

RAILROAD CROSSING WITH NON-SIGNALIZED INTERSECTION



PAVEMENT MARKING LEGEND

1	4" (100) SKIP-DASH (YELLOW)	10' (3.05 m), 30' (9.15 m), 10' (3.05 m)
2	4" (100) SOLID (YELLOW)	45°, 12" (300), TRAFFIC
3	12" (300) DIAGONAL (YELLOW)	TRAFFIC
4	4" (100) DOUBLE YELLOW (NARROW)	4" (100), 8" (200) CTS.
5	12" (300) SOLID WHITE	
6	4" (100) DOUBLE YELLOW (WIDE)	7" (175), 11" (275) CTS.
7	6" (150) SKIP-DASH (WHITE)	10' (3.05 m), 30' (9.15 m), 10' (3.05 m)
8	4" (100) SOLID (WHITE)	
9	12" (300) DIAGONAL (WHITE)	TRAFFIC, 45°, 12" (300)
10	6" (150) SOLID (WHITE)	45°, 12" (300), TRAFFIC, 8" (200)
11	24" (600) STOP BAR (WHITE)	
12	8" (200) SOLID (WHITE)	
13	4" (100) PARKING WHITE	24" (600), 12" (300), 12" (300)

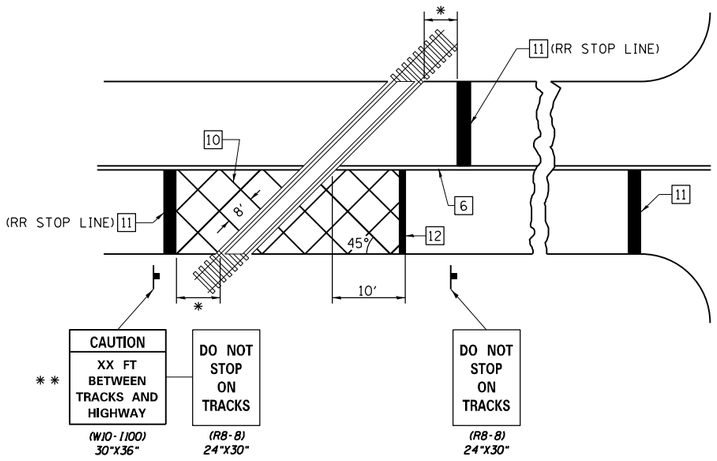
GENERAL NOTES

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE PRE-SIGNALS ARE USED.
3. WHEN PEDESTRIAN SIGNALS ARE PRESENT WITH INTERCONNECTED SIGNALS, WARNING SIGN W10-1101 (18"X24") SHALL BE PLACED NEAR EACH PEDESTRIAN SIGNAL HEAD. COUNTDOWN PEDESTRIAN SIGNAL HEADS SHALL NOT BE UTILIZED ALONG WITH INTERCONNECTED SIGNALS.

CAUTION
WALK TIME SHORTENED WHEN TRAIN APPROACHES
(W10-1101) 18"X24"

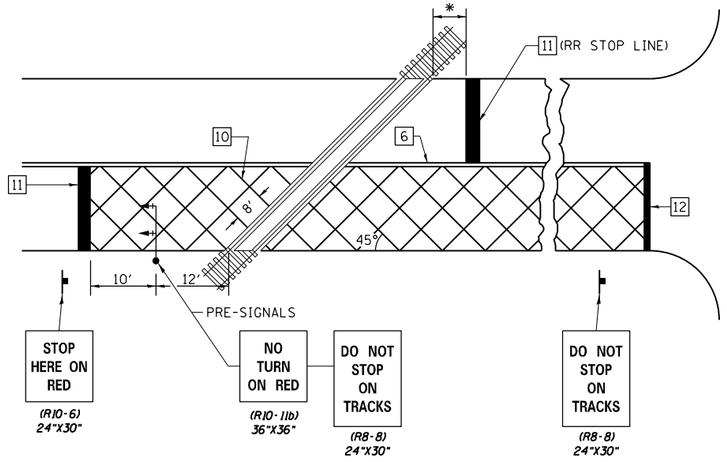
4. PLEASE REFER TO THE IDOT BUREAU OF OPERATION MEMO OPS T-06 DATED DECEMBER 1, 2020 FOR ADDITIONAL INFORMATION

RAILROAD CROSSING WITH INTERCONNECT ONLY



** WARNING SIGN W10-1100 SHALL BE USED AS AN INTERIM MEASURE AT INTERCONNECTED SIGNAL LOCATIONS WHERE PRE-SIGNALS ARE TO BE INSTALLED IN THE FUTURE. THIS SIGN SHALL BE REMOVED WHEN THE PRE-SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS ARE EXTENDED TO THE INTERSECTION.

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



* 15' FROM NEAR RAIL OR 8' FROM AND PARALLEL TO GATE IF PRESENT

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 78000001

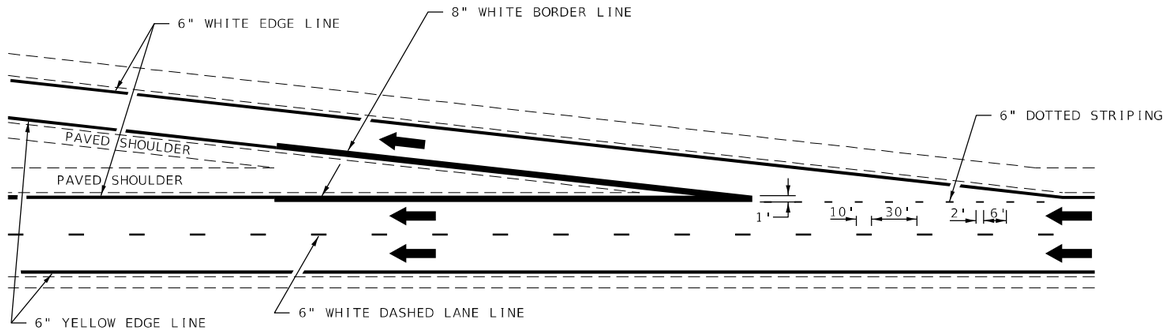
FILE NAME = pw:\\\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 7\Projects\74983\CADD\Drawing sheets\D774983-sht-details.dgn	USER NAME = Mona.Steffen	DESIGNED -	REVISED - NAS 06/22	
	PLOT SCALE = 24000.0000 ' / in.	CHECKED -	REVISED -	
	PLOT DATE = 9/2/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

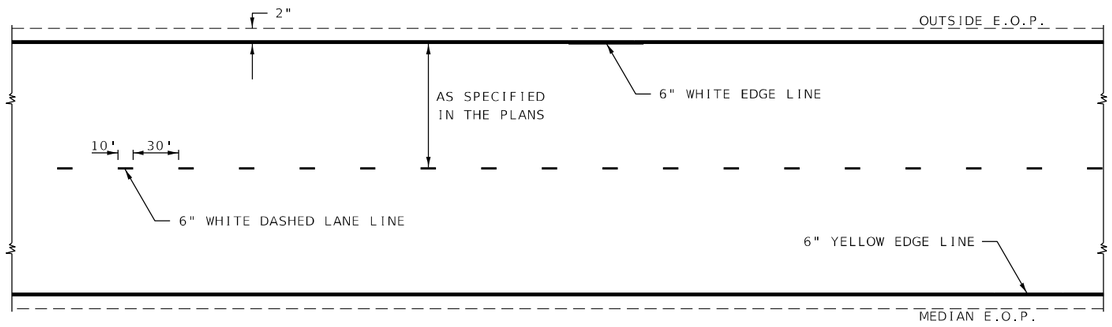
PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)

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

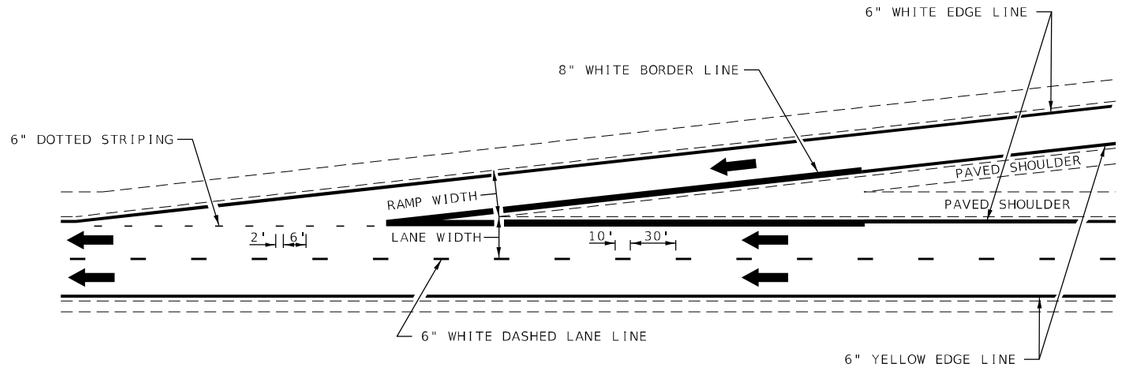
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	70
		CONTRACT NO. 74983		
	ILLINOIS FED. AID PROJECT			



TYPICAL EXIT RAMP MARKING



TYPICAL CENTERLINE & EDGELINE MARKINGS



TYPICAL ENTRANCE RAMP MARKING

NOT TO SCALE

DISTRICT 7 DETAIL NO. 78000002

USER NAME = Mona.Steffen	DESIGNED -	REVISED -	MKS 04-08
	DRAWN -	REVISED -	DRM 01-09
PLOT SCALE = 24000.0001 ' / in.	CHECKED -	REVISED -	DRM 12-10
PLOT DATE = 9/2/2022	DATE -	REVISED -	MAD 01-20

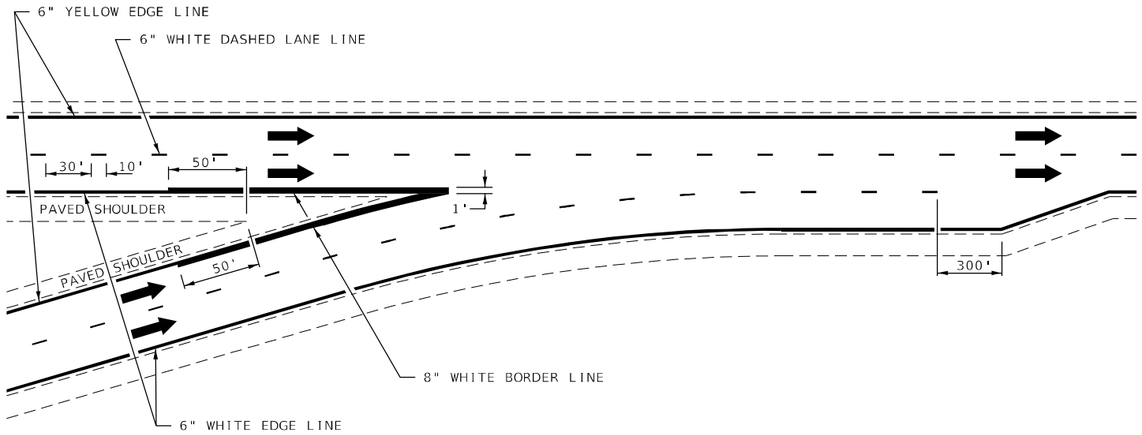
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS OF FREEWAY/EXPRESSWAY PAVEMENT MARKING

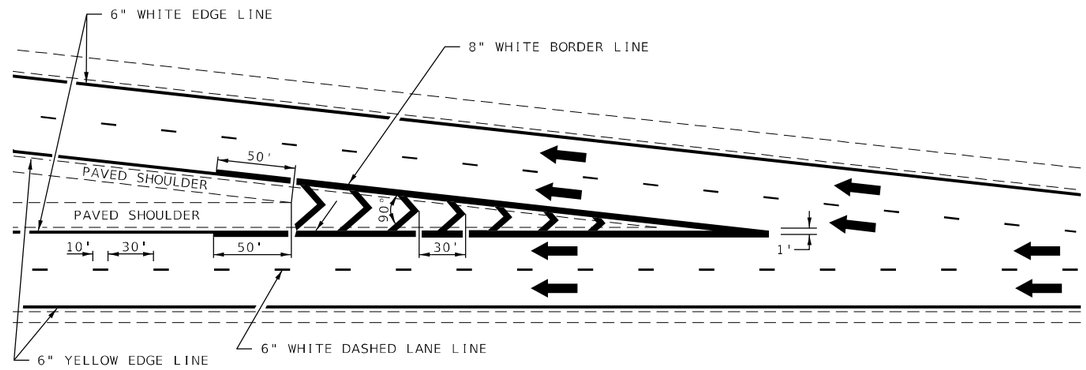
SCALE: | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)8	FAYETTE	74	71
		CONTRACT NO. 74983		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 7\Projects\74983\CADData\CADSheets\D7749831-sht-detail.dgn

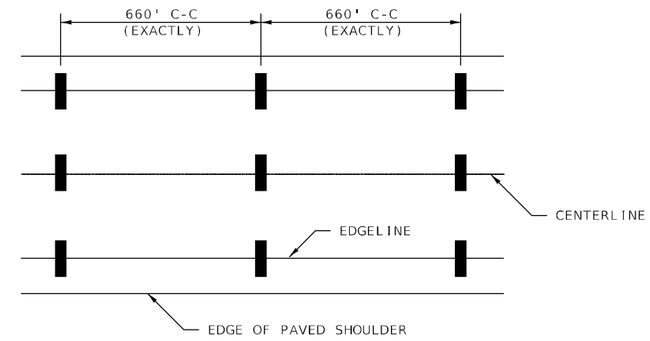


TYPICAL CONVERGENCE MARKING

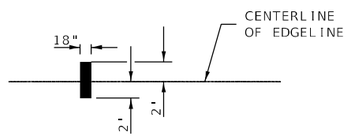


TYPICAL DIVERGENCE MARKING

AERIAL SPEED CHECK ZONES



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



NOT TO SCALE

DISTRICT 7 DETAIL NO. 78000002

USER NAME = Mona.Steffen	DESIGNED -	REVISED -	MMO 12-99
	DRAWN -	REVISED -	DRM 08-04
PLOT SCALE = 24000.0001 ' / in.	CHECKED -	REVISED -	MKS 04-08
PLOT DATE = 9/2/2022	DATE -	REVISED -	DRM 01-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

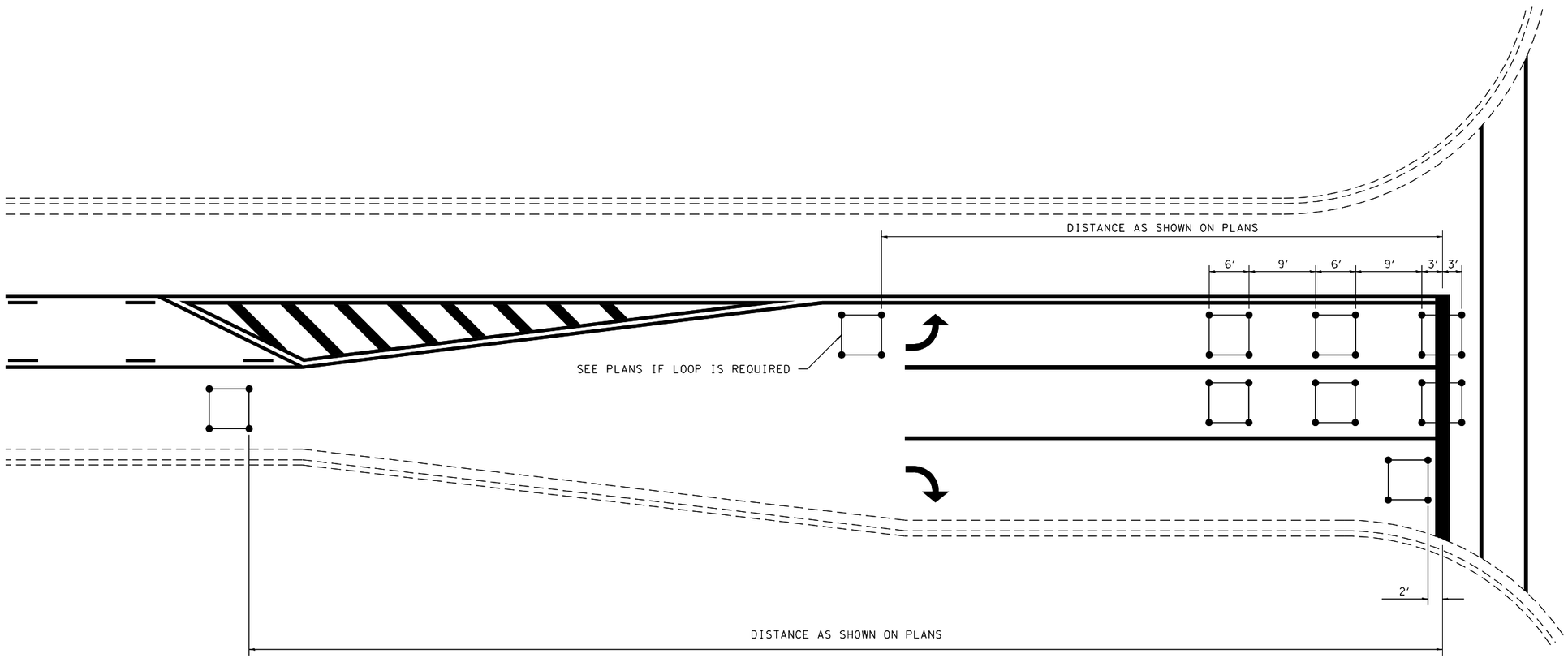
TYPICAL APPLICATIONS OF FREEWAY/EXPRESSWAY PAVEMENT MARKING

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)8	FAYETTE	74	72
		CONTRACT NO. 74983		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT Documents\IDOT Offices\District 7 Projects\74983\CADData\CADSheets\D774983-sht-details.dgn

TYPICAL APPLICATION OF DETECTOR LOOPS



NOTE:

1. EACH LOOP SHALL HAVE ITS OWN HOMERUN TO THE GULFBOX/HANDHOLE.
2. LOOPS SHOULD BE CENTERED IN EACH LANE.
3. USE 6′ BY 6′ LOOPS FOR LANE WIDTHS OF 11′ OR GREATER.
4. USE 5′ BY 5′ LOOPS IF LANE WIDTH IS LESS THAN 11′.

NOT TO SCALE

DISTRICT 7 DETAIL NO. 88600100

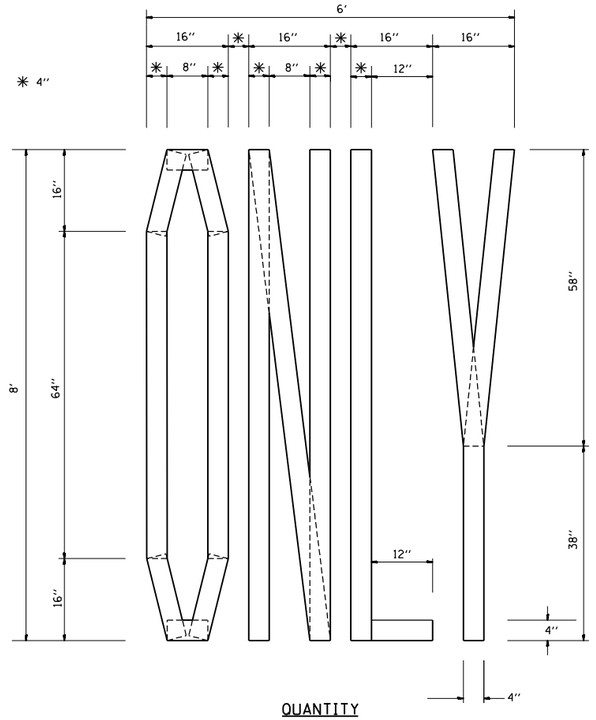
FILE NAME = pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 7\Projects\74983\CAD\Drawing sheets\D774983-sht-details.dgn	USER NAME = Mona.Staffen	DESIGNED -	REVISED - MKS 4-08
		DRAWN -	REVISED -
	PLOT SCALE = 24000.0000 ′ / in.	CHECKED -	REVISED -
	PLOT DATE = 9/2/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

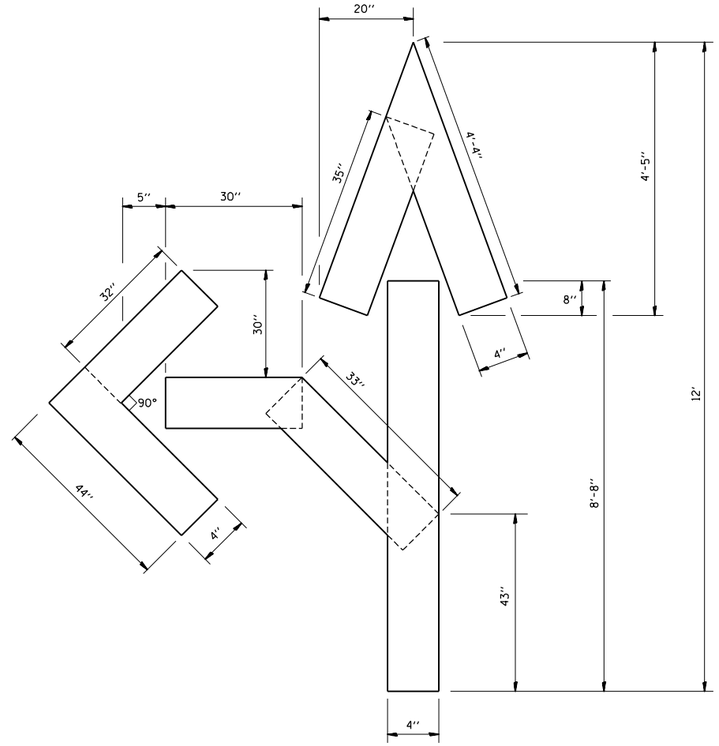
TYPICAL APPLICATIONS OF DETECTOR LOOPS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	73
		CONTRACT NO. 74983		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

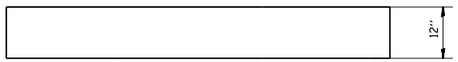


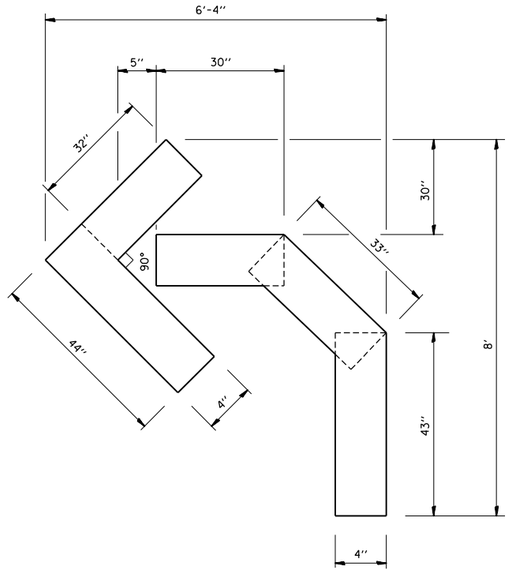
QUANTITY
4'' LINE = 63.2 ft.
21.0 sq. ft.



QUANTITY
4'' LINE = 27.5 ft.
9.2 sq. ft.

SHORT TERM STOP BAR





QUANTITY
4'' LINE = 15.2 ft.
5.0 sq. ft.

FILE NAME = pw:\\\\dot-pw.bentley.com:PWIDOT\\Documents\\IDOT Offices\\District 7\\Projects\\74983\\CADD\\Working\\sheets\\D774983-sht-details.dgn	USER NAME = Mona.Steffen	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 23988.2804 '/ in.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 9/2/2022	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF SHORT-TERM PAVEMENT MARKING

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-2)B	FAYETTE	74	74
	TC-16	CONTRACT NO. 74983		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		