

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	1
		ILLINOIS	CONTRACT NO. 78985	

FOR INDEX OF SHEETS, SEE SHEET NO. 3

FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-8

TRAFFIC DATA

ROADWAY CLASSIFICATION = MINOR ARTERIAL
DESIGN SPEED = 30 MPH (CROSSOVERS)
CURRENT ADT (2023) = 8300 EB / 8300 WB
SU = 3% EB / 3% WB
MU = 2% EB / 2% WB

TOWNSHIPS

MURPHYSBORO

COORDINATE SYSTEM : STATE PLANE ZONE - ILLINOIS WEST

POSTED SPEED : 40 MPH



Collinsville
100 Lanier Court, Suite 1
Collinsville, IL 62234
618.345.2700

St. Louis
720 Olive, Suite 700
St. Louis, MO 63101
314.588.8361

Belleville
1 South Church, Suite 200
Belleville, IL 62220
618.416.4688
www.oatesassociates.com

St. Charles
820 South Main, Suite 309
St. Charles, MO 63301
636.493.6277

ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



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

PROJECT ENGINEER: EHREN KIRBY

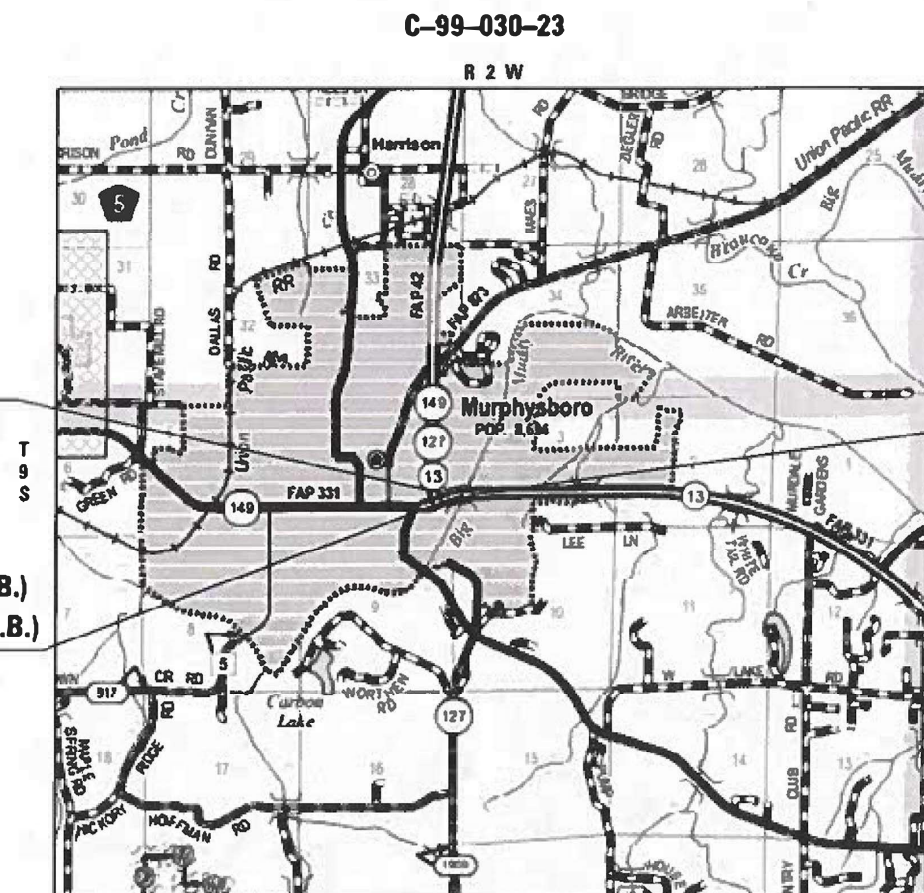
CONTRACT NO. 78985



Bill Tindall
BILL TINDALL, P.E.
License Expires 11/30/2025

BRIDGE OMISSION
STRUCTURE NO. 039-0075 (E.B.)
STRUCTURE NO. 039-0076 (W.B.)
STA. 202 + 12.6 TO
STA. 209 + 88.5

BEGIN PROJECT
STA. 200 + 64.2



LOCATION MAP
(NOT TO SCALE)

GROSS LENGTH = 1,201.6 FT. = 0.228 MILE
NET LENGTH = 425.7 FT. = 0.081 MILE

PROPOSED HIGHWAY PLANS

ROUTE FAP 331 (IL 13)
SECTION (12-1)SLP-1
PROJECT PROJ-6SW7(287)
SLIDE MITIGATION
JACKSON COUNTY

C-99-030-23

R 2 W



END PROJECT
STA. 212 + 65.8

D-99-019-23



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 19 20 25
Kensil A. Gernett
REGION FIVE ENGINEER

May 9 20 25
See E.A. Kirby
ENGINEER OF DESIGN AND ENVIRONMENT

May 9 20 25
Cherry
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

REV - MS

MODEL: Signature Sheet-2 (Sheet)
FILE NAME: H:\P222084 - IDOT FTB 203 Item 49 District 9 V-A222084.024 - IL 13 Bld Muddy - Slide Milling - PSE-CADD-Microstation-CADD Drawing-78985-sh-signature.dgn



ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME	• jack.morra	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
		DATE	-	REVISED	-
PLOT DATE	• 3/11/2025				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	2
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

Prepared By: Susan Poe
DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Lee
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Carl M.
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: D. C.
DISTRICT OPERATIONS ENGINEER

Examined By: _____
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Ben Wille
DISTRICT CONSTRUCTION ENGINEER

Examined By: Aam Wang
DISTRICT MATERIALS ENGINEER

MODEL: Gen Note [Sheet]
FILE NAME: H:\P\222064 - IDOT FTB 203 Item 48 District 9 V-V222064.dgn - IL 13 Big Muddy - Slide Mitigation PSEICADD\Microstation\CADD Drawings\78985-shf-gen notes.dgn

INDEX OF SHEETS

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2	SIGNATURE SHEET
3	GENERAL NOTES
4-8	SUMMARY OF QUANTITIES
9	TYPICAL SECTIONS
10	SCHEDULES
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17	ELEVATION & OFFSET DATA
18-25	TRAFFIC CONTROL PLAN
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28-58	STRUCTURE SHEETS
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60-67	CROSS SECTIONS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-10	PAVEMENT JOINTS
420101-07	24' JOINTED PCC PAVEMENT
602301-04	INLET - TYPE A
604036-03	GRATE TYPE 8
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
667101-02	PERMANENT SURVEY MARKERS
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701422-10	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

GENERAL NOTES

1. FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL AGGREGATE	2.05 TONS/CU. YD.
EARTH	110 LBS/CU. FT.
2. TRENCH BACKFILL REQUIRED FOR STORM SEWER, SANITARY SEWER, OR WATER MAINS SHALL ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.
3. AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.
4. EXISTING PIPE UNDERDRAIN OUTLETS IN THE FORESLOPES OR MEDIAN SLOPES SHALL BE PRESERVED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO AN UNDERDRAIN OUTLET RESULTING FROM CONSTRUCTION ACTIVITY SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
5. CONNECTING OF NEW OR EXISTING STORM SEWER TO NEW OR EXISTING INLETS OR MANHOLES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET OR MANHOLE, STORM SEWER PIPE SHALL BE PLACED OR CUT FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTAR TO PROVIDE A SMOOTH ROUNDED OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES OF THE STORM SEWERS OR STRUCTURES INVOLVED.

COMMITMENTS

6. NONE

CONSTRUCTION OPERATIONS

GENERAL

THE IL ROUTE 13 EASTBOUND BRIDGE OVER THE BIG MUDDY RIVER IN MURPHYSBORO IS EXPERIENCING MOVEMENT. SLOPE INSTABILITY IS CAUSING THE BRIDGE DECK TO MOVE AND PIER 4 TO SHIFT TO THE EAST AND TO THE SOUTH, WHICH HAS PUSHED THE SUPERSTRUCTURE AGAINST THE EAST ABUTMENT. SEVERAL OF THE BEARING ANCHOR BOLTS ON PIER 4 HAVE FAILED AND PIER 4 PILING ARE OVERSTRESSED. A BANK FAILURE EXISTS ON THE EAST SIDE OF THE RIVER, SOUTH OF THE EASTBOUND STRUCTURE.

UNDER AN EMERGENCY CONTRACT, A TEMPORARY SUPPORT PIER WAS CONSTRUCTED ADJACENT TO EXISTING PIER 4 TO SERVE AS A "CATCH" SHOULD PIER 4 FAIL, ALLOWING THE EASTBOUND BRIDGE TO BE SUPPORTED ON THE TEMPORARY SUPPORT AND REMAIN IN SERVICE. AS OF MARCH 2025, THE EXISTING PIER 4 IS IN SERVICE AND THE TEMPORARY SUPPORT PIER IS NOT TAKING LOAD FROM THE BRIDGE. THE BRIDGE IS POSTED FOR LEGAL LOADS ONLY.

THE INSTALLATION OF LARGE DIAMETER PIPE PILE WILL BE USED IN THIS CONTRACT TO STABILIZE THE SLOPES.

EXISTING PLAN INFORMATION AND GEOTECHNICAL INFORMATION HAVE BEEN MADE AVAILABLE WITH THE BID LETTING DOCUMENTS. ADDITIONAL INFORMATION, IF AVAILABLE, WILL BE PROVIDED UPON REQUEST.

SUGGESTED SEQUENCE OF CONSTRUCTION

1. SET UP TRAFFIC CONTROL AND IMPLEMENT CROSSOVER EASTBOUND TRAFFIC TO WESTBOUND STRUCTURE.

a. THE CONTRACTOR MAY INSTALL PILING OUTSIDE THE BRIDGE LIMITS PRIOR TO SETTING UP THE CROSSOVER TO REDUCE THE DURATION OF STAGING. ALTERNATE METHODS SHALL BE APPROVED BY THE ENGINEER, ASSURING PUBLIC SAFETY DURING ALL CONSTRUCTION OPERATIONS.
2. INSTALL PILING.

a. THE EMBANKMENT AND WEST BANK OF THE BIG MUDDY RIVER ARE MOVING AND EXHIBITING FAILURE. IT IS RECOMMENDED TO INSTALL THE PILING ON THE EAST SIDE OF THE BIG MUDDY RIVER FIRST, TO EVALUATE AND ESTABLISH FAMILIARITY WITH THE INSTALLATION PROCEDURES, PRIOR TO MOVING TO THE CRITICAL WEST EMBANKMENT. ALTERNATE SEQUENCING MAY BE ALLOWED WITH APPROVAL BY THE ENGINEER.

b. THE PLANS PROVIDE DETAILS TO REMOVE A PORTION OF THE DECK TO INSTALL PILE WITHIN THE BRIDGE LIMITS. DECK REMOVAL AND PILE INSTALLATION MEANS AND METHODS WILL BE AT THE DISCRETION OF THE CONTRACTOR WITH APPROVAL BY THE ENGINEER. VARIOUS METHODS (INCLUDING, FOR EXAMPLE, IMPACT, VIBRATORY, ROTATING, OR PUSHING) WILL BE CONSIDERED FOR APPROVAL BY THE ENGINEER.
3. COMPLETE DECK RECONSTRUCTION AS REQUIRED.
4. CHANGE TRAFFIC CONTROL CROSSOVER TO MOVE TO EASTBOUND STRUCTURE.
5. REPEAT AND COMPLETE PILE INSTALLATION PROCEDURE AS REQUIRED.

ADDITIONAL CONSIDERATIONS

THE FUNCTION OF THE PILE INSTALLATION IS TO STABILIZE THE SLOPE. THERE IS NO AXIAL RESISTANCE REQUIREMENT. TO PROVIDE THE MOST EFFECTIVE STABILIZATION, THE PILE INSTALLATION MUST RESULT IN PILES FULLY PENETRATING THE SOIL MASS, WITH PILE TIPS BEARING ON THE UNDERLYING WEATHERED ROCK. PILE TYPE, DRIVING EQUIPMENT, HAMMERS, PENETRATION OF PILES, MONITORING, ETC. ARE DEFINED IN THE SPECIAL PROVISIONS.

THE CONSTRUCTION MEANS AND METHODS TO INSTALL THE PILE WITHIN THE BRIDGE LIMITS WILL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR. SEE SPECIAL PROVISION "STRUCTUREAL ASSESSMENT REPORTS FOR CONTRACTORS MEANS AND METHODS" (SAR).

POSSIBLE OPTIONS TO INSTALL THE PILE WITHIN THE BRIDGE LIMITS AND BETWEEN THE BRIDGES COULD BE CONDUCTED FROM THE BRIDGE DECK, FROM THE GROUND ADJACENT TO THE BRIDGE DECK, FROM A RIVER BARGE OR RAMP SYSTEM, FROM A TEMPORARY ELEVATED SUPPORT SYSTEM CONSTRUCTED BETWEEN THE BRIDGES, BELOW THE DECK, OR ANOTHER ALTERNATE METHOD APPROVED BY THE ENGINEER.

DUE TO UNKNOWN LOADING AND METHODOLOGY THAT WOULD BE PROPOSED BY THE CONTRACTOR, THESE OPTIONS ARE ONLY SUGGESTIONS AND HAVE NOT BEEN ANALYZED FOR FEASIBILITY OR ACCEPTANCE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DEVELOP AN ACCEPTED METHOD OF CONSTRUCTION PROPOSED IN THE SAR AND LARGE DIAMETER PIPE PILE INSTALLATION PROCEDURE. CONSIDERING ALL LOADING AND IMPACTS TO THE CONDITION OF THE EXISTING BRIDGE. SPECIAL VIBRATION MONITORING MAY BE REQUIRED IF THE PILING ARE INSTALLED FROM THE BRIDGE DECK TO ENSURE THE BRIDGE IS NOT COMPROMISED DURING INSTALLATION OPERATIONS. THE REQUIRED MONITORING WOULD BE PART OF THE SAR AND INCLUDED IN THE COST OF CONSTRUCTION.

THE CONTRACTOR WILL BE ALLOWED TO SET UP LARGE EQUIPMENT ON A CRANE MAT OVER THE TOP OF AN INSTALLED PILE OR GROUP OF PILES TO LIMIT THE GROUND PRESSURE FROM HEAVY EQUIPMENT ADJACENT TO THE EMBANKMENT.

REV - MS



ILLINOIS DESIGNER LICENSE NO.: 184.001115

USER NAME = jackmorra	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISIONS -
PLOT DATE = 4/29/2025	DATE -	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	3
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

MODEL: SQ0-1 [Sheet]
FILE NAME: H:\P222064 - IDOT PTB 203 Item 49 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-sjt-SQ0.dgn

0048	
COUNTY	JACKSON
ROUTE	FAP 331 (IL 13)
FUNDING	80% FED / 20% STATE
LOCATION	URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	90
20800150	TRENCH BACKFILL	CU YD	10
25000200	SEEDING, CLASS 2	ACRE	1.05
25000350	SEEDING, CLASS 7	ACRE	1.05
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	95
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	95
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	95
25000700	AGRICULTURAL GROUND LIMESTONE	TON	2.10
25100115	MULCH, METHOD 2	ACRE	1.05
25100630	EROSION CONTROL BLANKET	SQ YD	1,994
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	105
28000400	PERIMETER EROSION BARRIER	FOOT	1,165
28000500	INLET AND PIPE PROTECTION	EACH	1
31100700	SUBBASE GRANULAR MATERIAL, TYPE A 8"	SQ YD	294



USER NAME	= bill.tindall
PLOT DATE	= 3/14/2025

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE:	SHEET 1 OF 5 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	4
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

MODEL: SQ0-2 [Sheet]
FILE NAME: H:\P222064 - IDOT PTB 203 Item 49 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-sht-SQ0.dgn

0048	
COUNTY	JACKSON
ROUTE	FAP 331 (IL 13)
FUNDING	80% FED / 20% STATE
LOCATION	URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	251
42001300	PROTECTIVE COAT	SQ YD	251
44004250	PAVED SHOULDER REMOVAL	SQ YD	40
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	55
50102400	CONCRETE REMOVAL	CU YD	154.1
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	1,098
50300255	CONCRETE SUPERSTRUCTURE	CU YD	154.1
50300260	BRIDGE DECK GROOVING	SQ YD	480
50300300	PROTECTIVE COAT	SQ YD	640
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	40,950
50800530	MECHANICAL SPLICERS	EACH	16
550B0050	STORM SEWERS, CLASS B, TYPE 1 1/2"	FOOT	36
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1



ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = jack.morra	DESIGNED -	REVISED -
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	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE:	SHEET 2 OF 5 SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	5
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

MODEL: SQO-3 [Sheet]
FILE NAME: H:\P222064 - IDOT PTB 203 Item 49 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-sjt-SQO.dgn

			0048	
			COUNTY	JACKSON
			ROUTE	FAP 331 (IL 13)
			FUNDING	80% FED / 20% STATE
			LOCATION	URBAN
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	
63200310	GUARDRAIL REMOVAL	FOOT	28	
* 63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	50	
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	5	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	300	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	3	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	
67100100	MOBILIZATION	L SUM	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	7	
70107005	PAVEMENT MARKING BLACKOUT TAPF, 5"	FOOT	5,400	

* SPECIALTY ITEM

 OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = jack.morra		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN -	REVISED -					331	(12-1)SLP-1	JACKSON	67	6
			CHECKED -	REVISED -					CONTRACT NO. 78985				
	PLOT DATE = 3/11/2025	DATE -	REVISED -			SCALE:	SHEET 3	OF 5 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MODEL: S00-4 [Sheet]
FILE NAME: H:\P222064 - DOT PTB 203 Item 49 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-sht-S00.dgn

0048	
COUNTY	JACKSON
ROUTE	FAP 331 (IL 13)
FUNDING	80% FED / 20% STATE
LOCATION	URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	84
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	7,202
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	14,510
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,125
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1,075
70600241	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2
70600341	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	5
* 81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	109
* 81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	1
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1000
* 81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	1,000
* X2090213	FURNISHING AND PLACING SAND FILL	CU YD	4,400

* SPECIALTY ITEM



USER NAME	= jack.morra
PLOT DATE	= 3/12/2025

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE:	SHEET 4 OF 5 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	7
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ILLINOIS		FED. AID PROJECT		

MODEL: SQQ-5 [Sheet]
FILE NAME: H:\p222064 - IDOT PTB 203 Item 49 District 9 V-V222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-shl-SQQ.dgn

0048	
COUNTY	JACKSON
ROUTE	FAP 331 (IL 13)
FUNDING	80% FED / 20% STATE
LOCATION	URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
X5091300	DECORATIVE STEEL RAILING	FOOT	573
X5427604	RELOCATE EXISTING FLARED END SECTION	EACH	1
* X6300130	STEEL PLATE BEAM GUARDRAIL, TYPE A (SPECIAL)	FOOT	12.5
* X6310302	REPAIR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	EACH	1
* X6330103	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL, TANGENT	EACH	1
X6640104	FENCE REMOVAL	FOOT	573
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
X0013798	CONSTRUCTION LAYOUT	L SUM	1
* X0054400	ROCK FILL	CU YD	1,098
X5121603	FURNISHING METAL LARGE DIAMETER PIPE PILES 60" X 0.50"	FOOT	8,549
X5120018	PIPE PILE MONITORING EQUIPMENT	EACH	5
X5120022	DRIVING LARGE DIAMETER PIPE PILES	FOOT	8,040

* SPECIALTY ITEM

REV - MS



USER NAME = jack.morra	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

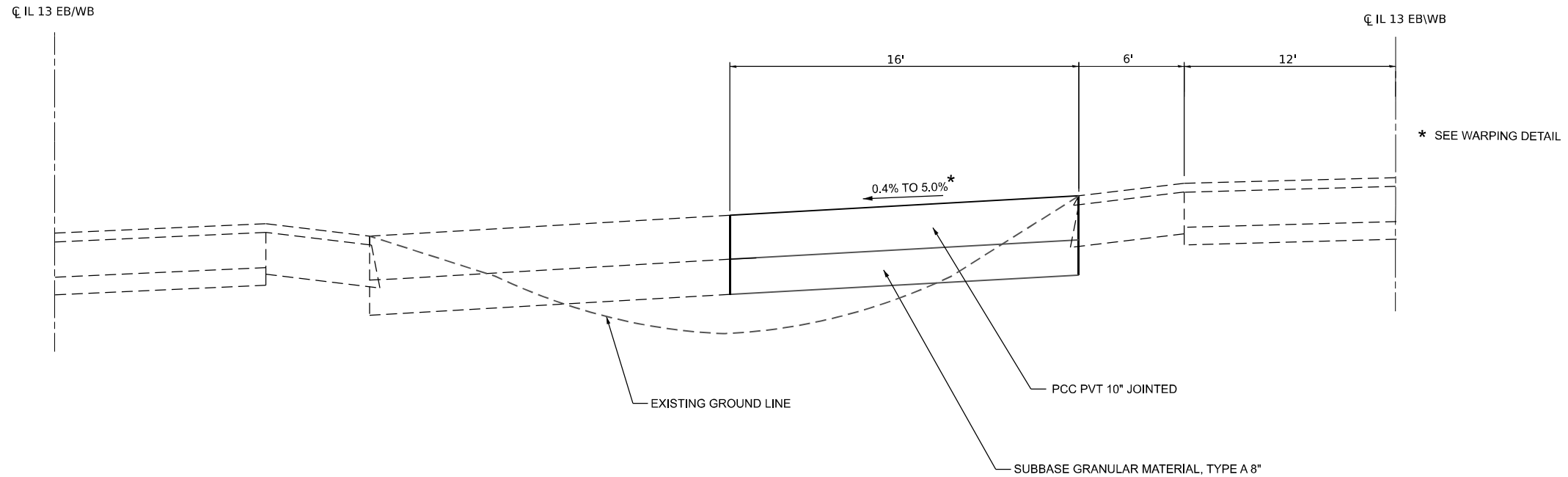
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	8
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

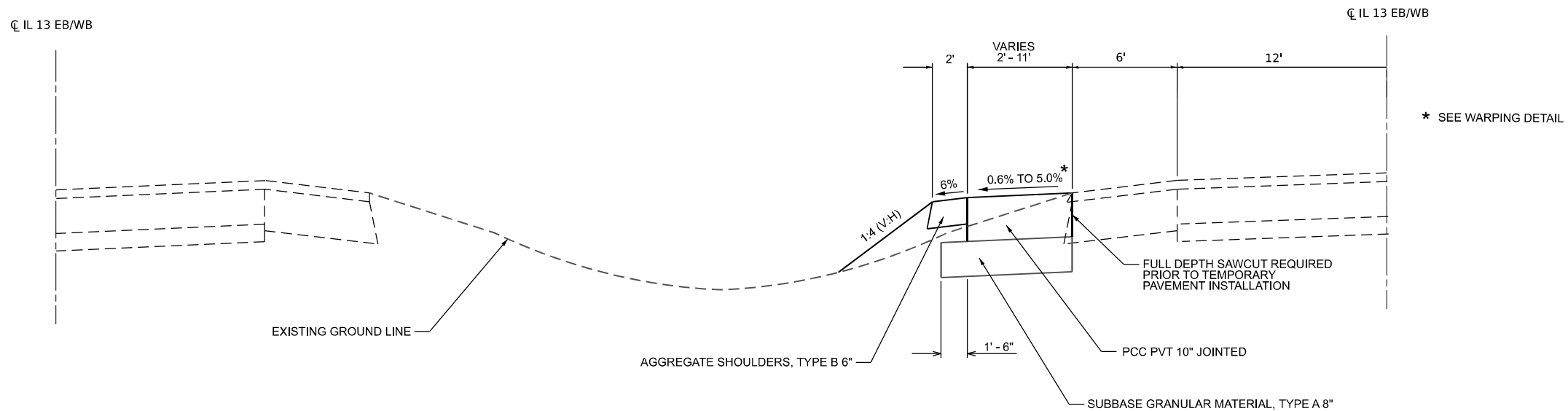
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

MODEL: Typical Sections Sheet 1 (Sheet)
FILE NAME: H:\222064 - IDOT PTB 203 Item 49 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-sht-typical.s.dgn



CROSSOVER TYPICAL SECTION

STA 201+23.5 TO STA 201+57.4 (LOOKING WEST)
STA 201+70.1 TO STA 201+88.7 (LOOKING EAST)
STA 210+99.0 TO STA 211+65.6 (LOOKING EAST)
STA 211+66.1 TO STA 212+08.7 (LOOKING WEST)



CROSSOVER TYPICAL SECTION

STA 200+64.2 TO STA 201+23.5 (LOOKING WEST)
STA 201+88.7 TO STA 202+12.6 (LOOKING EAST)
STA 209+88.5 TO STA 210+99.0 (LOOKING EAST)
STA 212+08.7 TO STA 212+65.8 (LOOKING WEST)

USER NAME = jack.morra	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	9
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE

LOCATI ON		EARTH EXCAVATI ON	AVERAGE SHRI NKAGE FACTOR	EARTH EXCAVATI ON (ADJUSTED)	EMBANKMENT	EARTHWORK BALANCE		REMARKS
						EXCAVATI ON REQUI RED TO COMPLETE	EXCESS EXCAVATI ON	
						CU YD	CU YD	
STA.	STA.	CU YD	%	CU YD	CU YD			
334+50	347+50	90	25%	70	20		50	
TOTAL		90						

NOTE: STATIONING FROM EB IL 13

EROSION CONTROL SCHEDULE

STATION	STATION	OFFSET	EROSION CONTR BLANKET	TEMP EROS CONTR SEED	PERIMETER EROS BAR	INLET & PIPE PROTECT
			(SQ YD)	(POUND)	(FOOT)	(EACH)
200+15	202+20	LT/RT	34	3		
201+01		LT				1
203+62	206+40	LT/RT	667	50	623	
207+01	209+27	LT/RT	1,293	50	542	
209+88	212+66	LT/RT		2		
TOTAL			1,994	105	1,165	1

DRAINAGE SCHEDULE

STATION	STATION	OFFSET	TRENCH RACKFILL	STORM SEW CL B 1 12	INLETS TA T8G	FR & LIDS ADJUST	RELOC EX FLAR END SEC
			(CU YD)	(FOOT)	(EACH)	(EACH)	(EACH)
200+58	201+01	LT	5	36	1		1
210+73	211+34	RT	5			1	
TOTAL			10	36	1	1	1

GUARDRAIL SCHEDULE

STATION	STATION	OFFSET	TRAF BAR TERM T6	TR BAR TRM T1 SPL TAN	GUARDRAIL REMOV	REM RE-E SPBGR TY A	TERMINAL MARKER-DA	GRDRAIL REF TYPE A	SPBGR TY A SPL	REPAIR TRBT T1 SP TAN	R&R TRB TM T1 SPL TAN
			(EACH)	(EACH)	(FOOT)	(FOOT)	(EACH)	(EACH)	(FOOT)	(EACH)	(EACH)
203+30	204+17	RT	1	1	28		1	2			
209+51	210+56	RT				50	1	3	12.5	1	1
TOTAL			1	1	28	50	2	5	12.5	1	1

PILING SCHEDULE

PILE ROW	OFFSET	FURNISH MTL LRG DIA PIPE PIL	FURN & PLCE SAND FILL	PIPE PILE MONITOR EQUIP	INSTALL LG DIA PIPE PIL
		(FOOT)	(CU YD)	(EACH)	(FOOT)
A	CL	2,802	1,155	3	2,634
B	CL	2,715	1,418	1	2,552
C	CL	3,032	1,527	1	2,854
TOTAL		8,549	4,400	5	8,040

SEEDING SCHEDULE

STATION	STATION	OFFSET	SEEDING CL 2	SEEDING CL 7	NITROGEN FERT NUTR	PHOSPHORUS FERT NUTR	POTASSIUM FERT NUTR	AGR GROUND LIMESTONE	MULCH METHOD 2
			(ACRE)	(ACRE)	(POUND)	(POUND)	(POUND)	(TON)	(ACRE)
200+15	202+20	LT/RT	0.03	0.03	3	3	3	0.06	0.03
203+72	206+40	LT/RT	0.50	0.50	45	45	45	1.00	0.50
207+01	209+14	LT/RT	0.50	0.50	45	45	45	1.00	0.50
209+88	212+66	LT/RT	0.02	0.02	2	2	2	0.04	0.02
TOTAL			1.05	1.05	95	95	95	2.10	1.05

STAGING SCHEDULE

LOCATION	DESCRIPTION	PAVT MK BLKOUT TAPE 5	SHRT TRM PAVT MK REM	TMP PVT MK L4 T4 TAPE	TEMP CONC BARRIER	REL TEMP CONC BARRIER	IMP ATTN TEMP NRN TL2	IMP ATTN REL NRN TL2
		(FOOT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)
IL 13 WB	STAGE 1	2,646	3,519	7,083	1,075		2	
2ND ST	STAGE 1	53	466	1,303				
IL 13 EB	STAGE 2	2,701	3,217	6,124	50	1,075		2
TOTAL		5,400	7,202	14,510	1,125	1,075	2	2

PAVEMENT SCHEDULE

STATION	STATION	OFFSET	SUB GRAN MAT A 8	PCC PVT 10 JOINTED	PROTECTIVE COAT	PAVED SHLD REMOVAL	AGGREGATE SHLDS B 6
			(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)
200+63	202+14	LT/RT	93	79	79		18
209+87	212+67	LT/RT	201	172	172	40	37
TOTAL			294	251	251	40	55

SURVEY SCHEDULE

STATION	STATION	PERM SURV MKRS T2
		(EACH)
200+64.20	212+65.80	5.0
TOTAL		5.0

- NOTES:
1.

Locations shall be determined by the engineer
2.

Shall be constructed as shown on the highway standard.

MODEL: Schedule [Sheet]
FILE NAME: H:\P222064 - IDOT PTB 203 Item 49 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-sht-schedules.dgn



NOTE:
HORIZONTAL CONTROL HAS NOT BEEN VERIFIED SINCE
JULY 2022. SIGNIFICANT MOVEMENT WAS FOUND BETWEEN
FEBRUARY 2022 AND JULY 2022. PLEASE USE PSM9900 AS
A CHECK FOR ALL CONSTRUCTION POINTS.

CP PSM9900 IS LOCATED AT NORTHWEST QUADRANT OF
N 2ND ST & WALNUT ST INTERSECTION.
NORTHING 401127.154
EASTING 2540396.950
ELEV 353.504

PR CURVE
PI STA = 210+42.11
Δ = 05°09'58" (RT)
D = 02°17'31"
R = 2,500.00'
T = 112.78'
L = 225.41'
E = 2.54'
e = _____
TR = _____
SE RUN = _____
PC STA = 209+29.33
PT STA = 211+54.74

EX CURVE
PI STA = 112+59.01
Δ = 09°25'54" (RT)
D = 05°43'46"
R = 1,000.00'
T = 82.49'
L = 164.61'
E = 3.40'
e = _____
PC STA = 111+76.51
PT STA = 113+41.13

EX CURVE
PI STA = 100+16.91
Δ = 17°31'06" (RT)
D = 11°27'33"
R = 500.00'
T = 77.04'
L = 152.88'
E = 5.90'
e = _____
PC STA = 99+39.87
PT STA = 100+92.75

PR CURVE
PI STA = 202+36.53
Δ = 15°50'46" (RT)
D = 10°25'03"
R = 550.00'
T = 76.54'
L = 152.11'
E = 5.30'
e = _____
TR = _____
SE RUN = _____
PC STA = 201+59.99
PT STA = 203+12.10

PR CURVE
PI STA = 200+80.68
Δ = 18°20'01" (LT)
D = 11°27'33"
R = 500.00'
T = 80.68'
L = 159.99'
E = 6.47'
e = _____
TR = _____
SE RUN = _____
PC STA = 200+00.00
PT STA = 201+59.99

EX CURVE
PI STA = 101+83.39
Δ = 18°42'59" (LT)
D = 10°25'03"
R = 550.00'
T = 90.64'
L = 179.66'
E = 7.42'
e = _____
PC STA = 100+92.75
PT STA = 102+72.42

EX CURVE
PI STA = 339+89.14
Δ = 12°30'25" (LT)
D = 01°30'55"
R = 3,781.36'
T = 414.36'
L = 825.42'
E = 22.63'
e = _____
PC STA = 335+74.79
PT STA = 344+00.21

PR CURVE
PI STA = 206+21.40
Δ = 09°18'46" (LT)
D = 01°30'32"
R = 3,797.36'
T = 309.29'
L = 617.22'
E = 12.58'
e = _____
TR = _____
SE RUN = _____
PC STA = 203+12.10
PT STA = 209+29.33

EX CURVE
PI STA = 105+86.34
Δ = 12°37'34" (LT)
D = 02°01'09"
R = 2,837.59'
T = 313.93'
L = 625.31'
E = 17.31'
e = _____
PC STA = 102+72.42
PT STA = 108+97.73

EX CURVE
PI STA = 341+93.56
Δ = 20°22'01" (LT)
D = 02°00'28"
R = 2,853.59'
T = 512.59'
L = 1014.37'
E = 45.67'
e = _____
PC STA = 336+80.97
PT STA = 346+95.33

EX CURVE
PI STA = 110+38.03
Δ = 15°58'23" (LT)
D = 05°43'46"
R = 1,000.00'
T = 140.30'
L = 278.78'
E = 9.79'
e = _____
PC STA = 108+97.73
PT STA = 111+76.51

EX CURVE
PI STA = 345+50.86
Δ = 07°51'36" (LT)
D = 02°36'46"
R = 2,192.89'
T = 150.65'
L = 300.82'
E = 5.17'
e = _____
PC STA = 344+00.21
PT STA = 347+01.03

PR CURVE
PI STA = 212+51.07
Δ = 13°43'57" (LT)
D = 07°09'43"
R = 800.00'
T = 96.33'
L = 191.74'
E = 5.78'
e = _____
TR = _____
SE RUN = _____
PC STA = 211+54.74
PT STA = 213+46.48

CP PSM9900
ALIGN IL 13 WB
STA 350+80.77
80.82' RT

PR EASTBOUND CROSSOVER		
DESCRIPTION	NORTHING	EASTING
PC 99+39.87	401,151.781	2,541,168.680
PI STA 100+16.91	401,150.688	2,541,091.648
PRC STA 100+92.75	401,172.834	2,541,017.860
PI STA 101+83.39	401,198.889	2,540,931.046
PCC STA 102+72.42	401,195.709	2,540,840.462
PI STA 105+86.34	401,184.688	2,540,526.728
PCC STA 108+97.73	401,105.354	2,540,222.990
PI STA 110+38.03	401,069.898	2,540,087.242
PRC STA 111+76.51	400,998.455	2,539,966.492
PI STA 112+59.01	400,956.449	2,539,895.495
PT STA 113+41.13	400,926.645	2,539,818.574

IL ROUTE 13 EASTBOUND		
DESCRIPTION	NORTHING	EASTING
POT STA 329+00.00	401,159.054	2,541,681.422
PC STA 335+74.79	401,149.484	2,541,006.705
PI STA 339+89.14	401,143.607	2,540,592.387
PCC STA 344+00.21	401,048.145	2,540,189.175
PI STA 345+50.86	401,013.438	2,540,042.578
PT STA 347+01.03	400,959.010	2,539,902.106
POT STA 351+99.38	400,778.962	2,539,437.422

IL ROUTE 13 WESTBOUND		
DESCRIPTION	NORTHING	EASTING
POT STA 329+00.00	401,224.247	2,541,680.497
PC STA 336+80.97	401,213.171	2,540,899.610
PI STA 341+93.56	401,205.901	2,540,387.070
PT STA 346+95.33	401,020.706	2,539,909.103
POT STA 352+22.49	400,830.247	2,539,417.551

PR WESTBOUND CROSSOVER		
DESCRIPTION	NORTHING	EASTING
PC 200+00.00	401,216.685	2,541,147.358
PI STA 200+80.68	401,215.541	2,541,066.681
PRC STA 201+59.99	401,189.078	2,540,990.459
PI STA 202+36.53	401,163.973	2,540,918.149
PRC STA 203+12.10	401,159.566	2,540,841.732
PI STA 206+21.40	401,141.761	2,540,532.951
PRC STA 209+29.33	401,074.222	2,540,231.122
PI STA 210+42.11	401,049.594	2,540,121.061
PRC STA 211+54.74	401,034.977	2,540,009.230
PI STA 212+51.07	401,022.491	2,539,913.710
PCC STA 213+46.48	400,987.687	2,539,823.885

MODEL: ATB [Sheet]
FILE NAME: H:\222064 - IDOT PTB 203 Item 49 District 9 V-V222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-slp-ATB.dgn



ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = jack.morra	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT SHEET

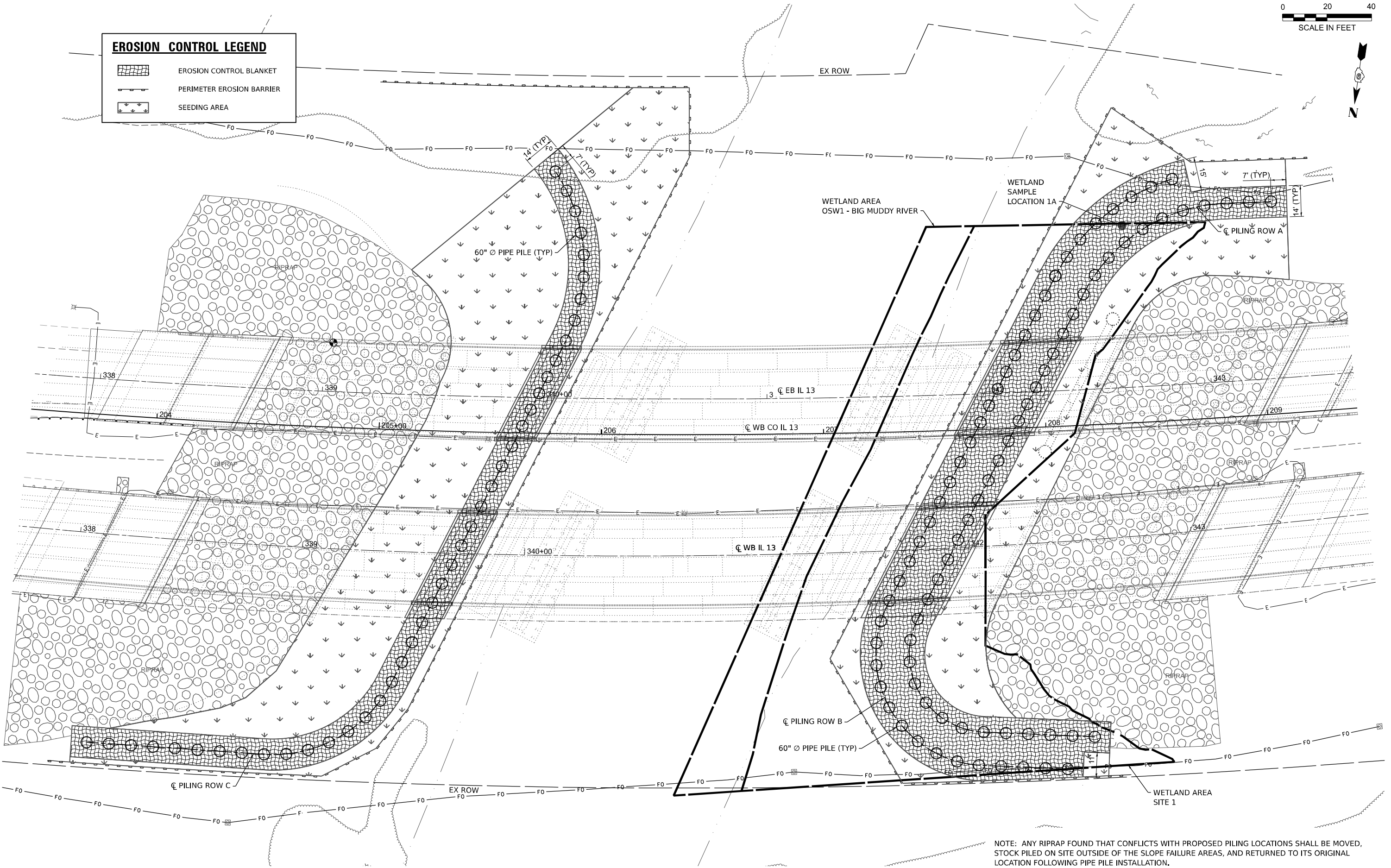
SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	11
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				



EROSION CONTROL LEGEND

EROSION CONTROL BLANKET

PERIMETER EROSION BARRIER

NOTE: ANY RIPRAP FOUND THAT CONFLICTS WITH PROPOSED PILING LOCATIONS SHALL BE MOVED, STOCK PILED ON SITE OUTSIDE OF THE SLOPE FAILURE AREAS, AND RETURNED TO ITS ORIGINAL LOCATION FOLLOWING PIPE PILE INSTALLATION.

MODEL: EROSION CONTROL PLAN [Sheet]
FILE NAME: H:\P222064 - IDOT FTB 203 Item 49 District 9 V-V222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-slf-erosion.dgn

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ASSOCIATES
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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME	= jack.morra	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 3/11/2025	DATE	-	REVISED	-

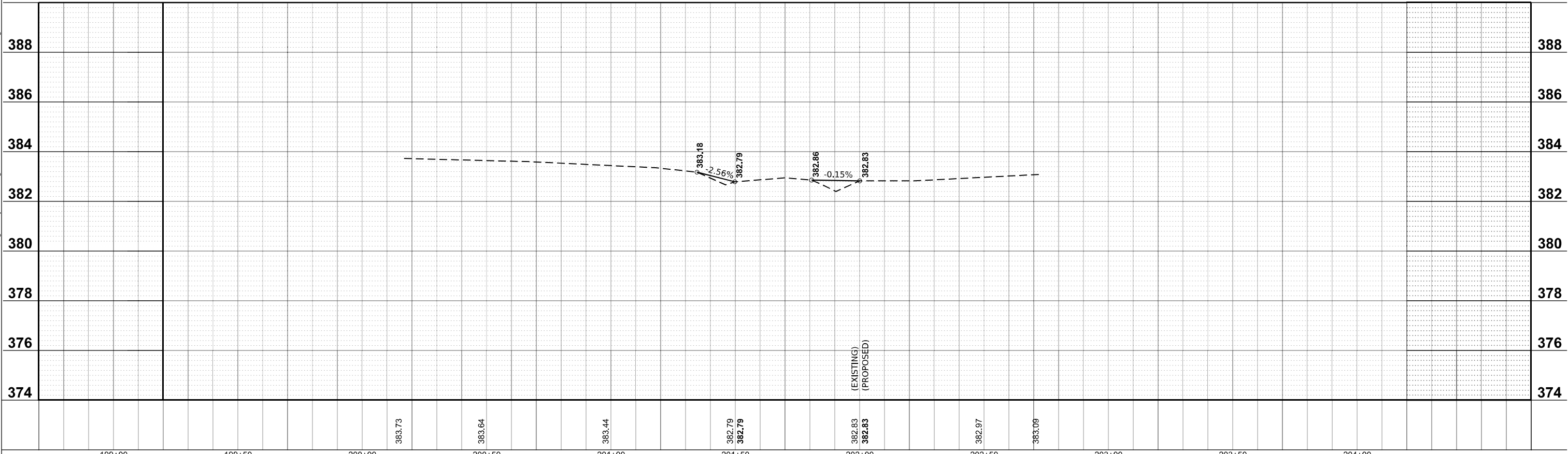
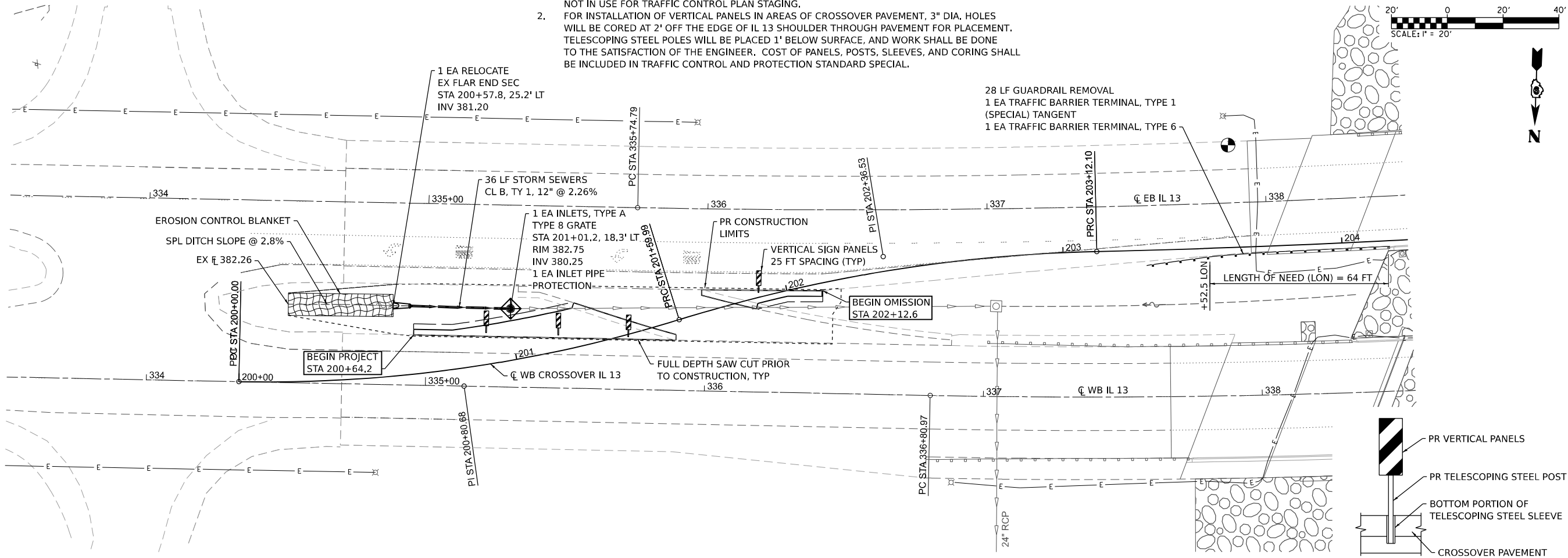
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE: 1" = 20'
SHEET 1 OF 1 SHEETS
STA. 337+50.00 TO STA. 343+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	12
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

- NOTE: 1. VERTICAL PANELS SHALL BE PLACED TO PREVENT TRAFFIC FROM USING CROSSOVERS WHEN NOT IN USE FOR TRAFFIC CONTROL PLAN STAGING.
2. FOR INSTALLATION OF VERTICAL PANELS IN AREAS OF CROSSOVER PAVEMENT, 3" DIA. HOLES WILL BE CORED AT 2' OFF THE EDGE OF IL 13 SHOULDER THROUGH PAVEMENT FOR PLACEMENT. TELESCOPING STEEL POLES WILL BE PLACED 1' BELOW SURFACE, AND WORK SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER. COST OF PANELS, POSTS, SLEEVES, AND CORING SHALL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION STANDARD SPECIAL.



MODEL: East Crossover [Sheet]
FILE NAME: H:\P\222064 - IDOT PTB 203 Item 49 District 9 V-V\222064,024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-slp-hdnp-r4-co.dgn



USER NAME = jack.morra	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/12/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

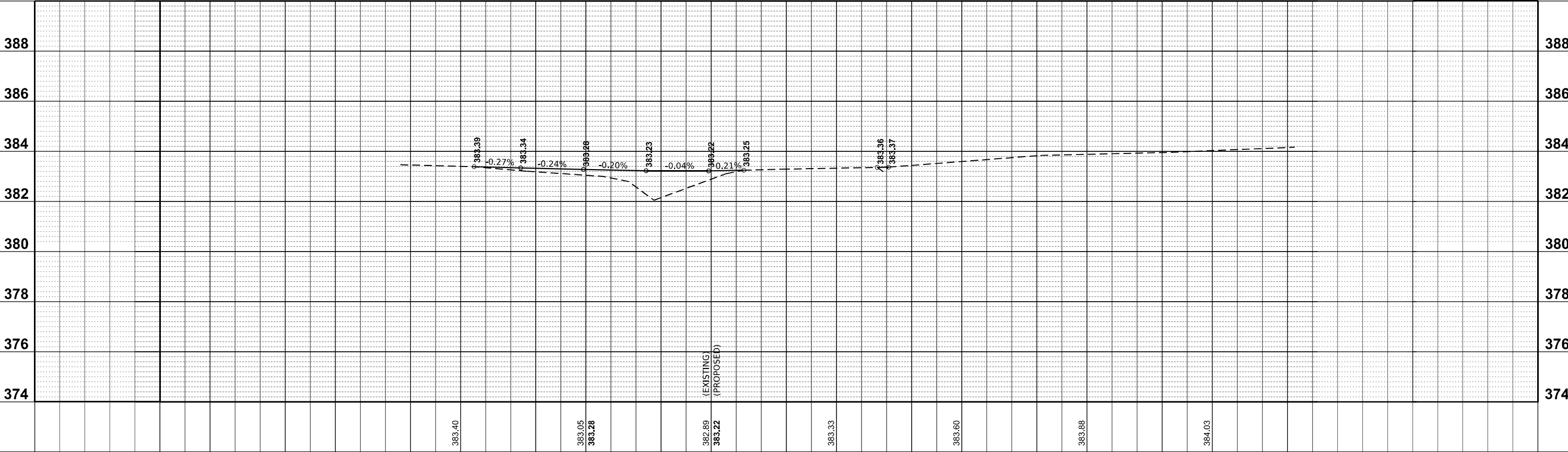
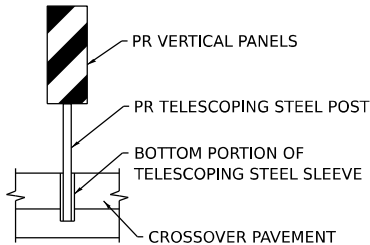
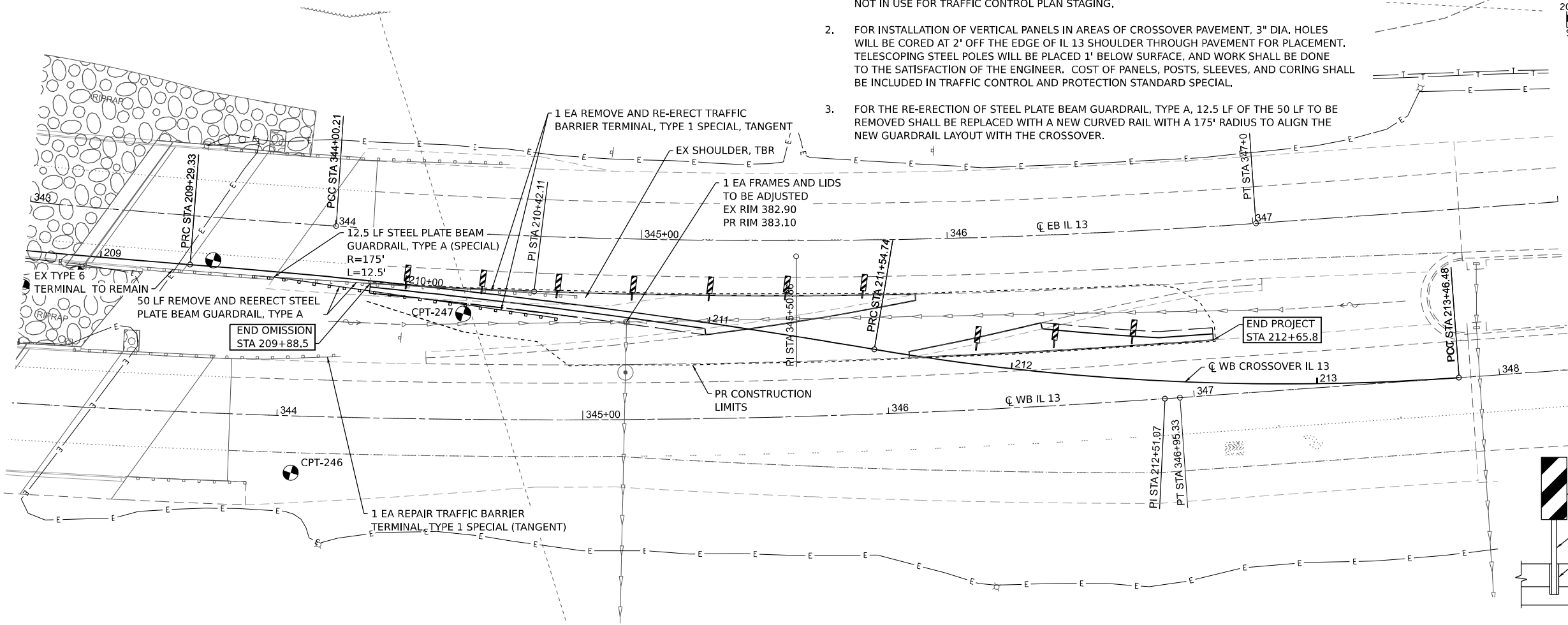
EASTERN CROSSOVER
PLAN & PROFILE SHEETS

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 200+64.2 TO STA. 202+12.6

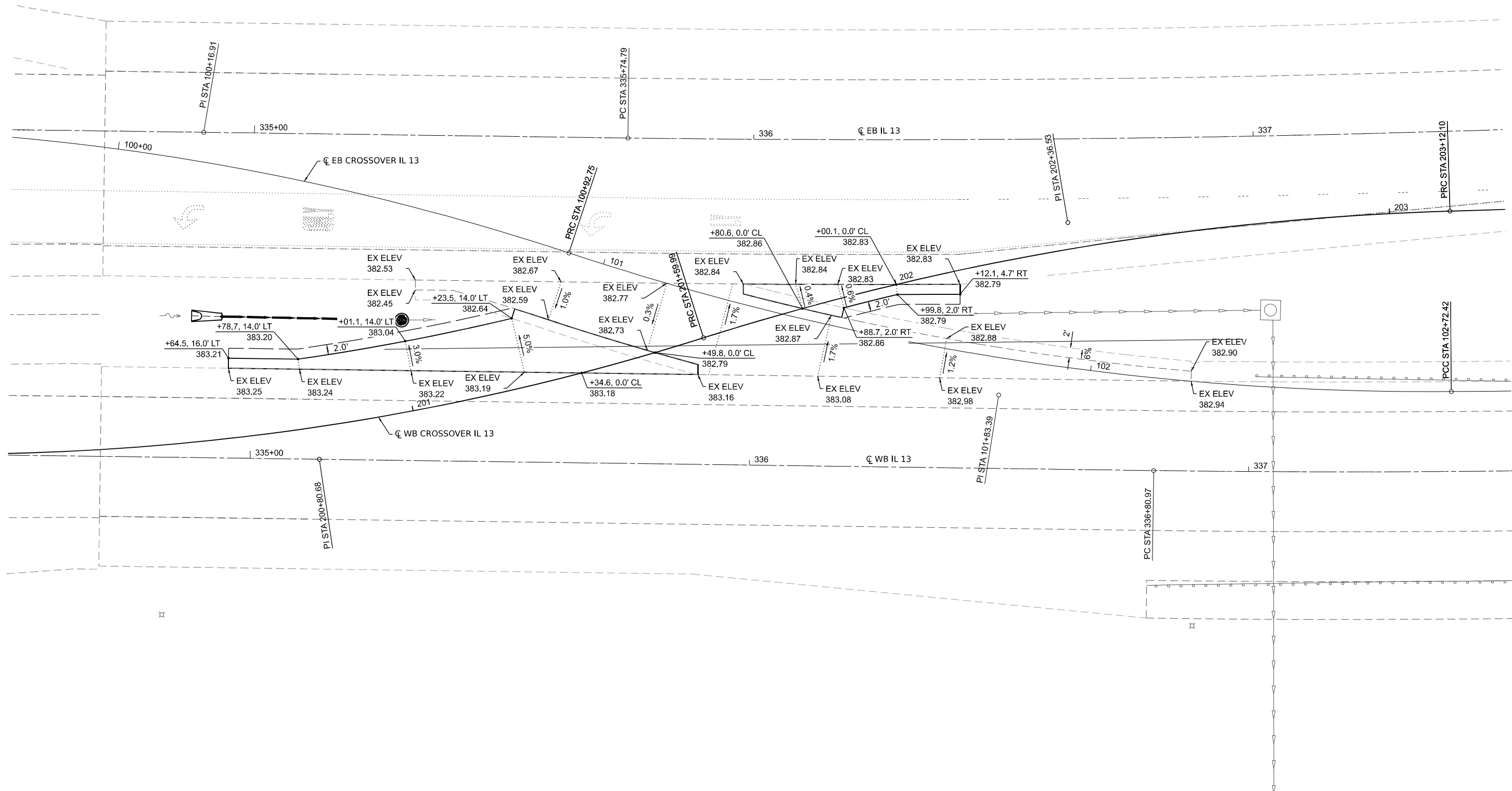
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	13
CONTRACT NO. 78985				

ILLINOIS FED. AID PROJECT

- NOTE: 1. VERTICAL PANELS SHALL BE PLACED TO PREVENT TRAFFIC FROM USING CROSSOVERS WHEN NOT IN USE FOR TRAFFIC CONTROL PLAN STAGING.
2. FOR INSTALLATION OF VERTICAL PANELS IN AREAS OF CROSSOVER PAVEMENT, 3" DIA. HOLES WILL BE CORED AT 2' OFF THE EDGE OF IL 13 SHOULDER THROUGH PAVEMENT FOR PLACEMENT. TELESCOPING STEEL POLES WILL BE PLACED 1' BELOW SURFACE, AND WORK SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER. COST OF PANELS, POSTS, SLEEVES, AND CORING SHALL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION STANDARD SPECIAL.
3. FOR THE RE-ERECTION OF STEEL PLATE BEAM GUARDRAIL, TYPE A, 12.5 LF OF THE 50 LF TO BE REMOVED SHALL BE REPLACED WITH A NEW CURVED RAIL WITH A 175' RADIUS TO ALIGN THE NEW GUARDRAIL LAYOUT WITH THE CROSSOVER.



 OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = jack.morra		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WESTERN CROSSOVER PLAN & PROFILE SHEETS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
			DRAWN -	REVISED -		331	(12-1)SLP-1	JACKSON	67	14								
			CHECKED -	REVISED -														
	PLOT DATE = 3/11/2025		DATE -	REVISED -														
						SCALE: 1" = 20'	SHEET 2	OF 2 SHEETS	STA. 209+88.5	TO STA. 212+65.8								
															CONTRACT NO. 78985			
															ILLINOIS FED. AID PROJECT			



MODEL: EXCL_EB - Eastern Crossover (Sheet)
FILE NAME: H:\P222064 - DOT P1B 203 Item 49 District 9 V-V222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-sht-warping.dgn



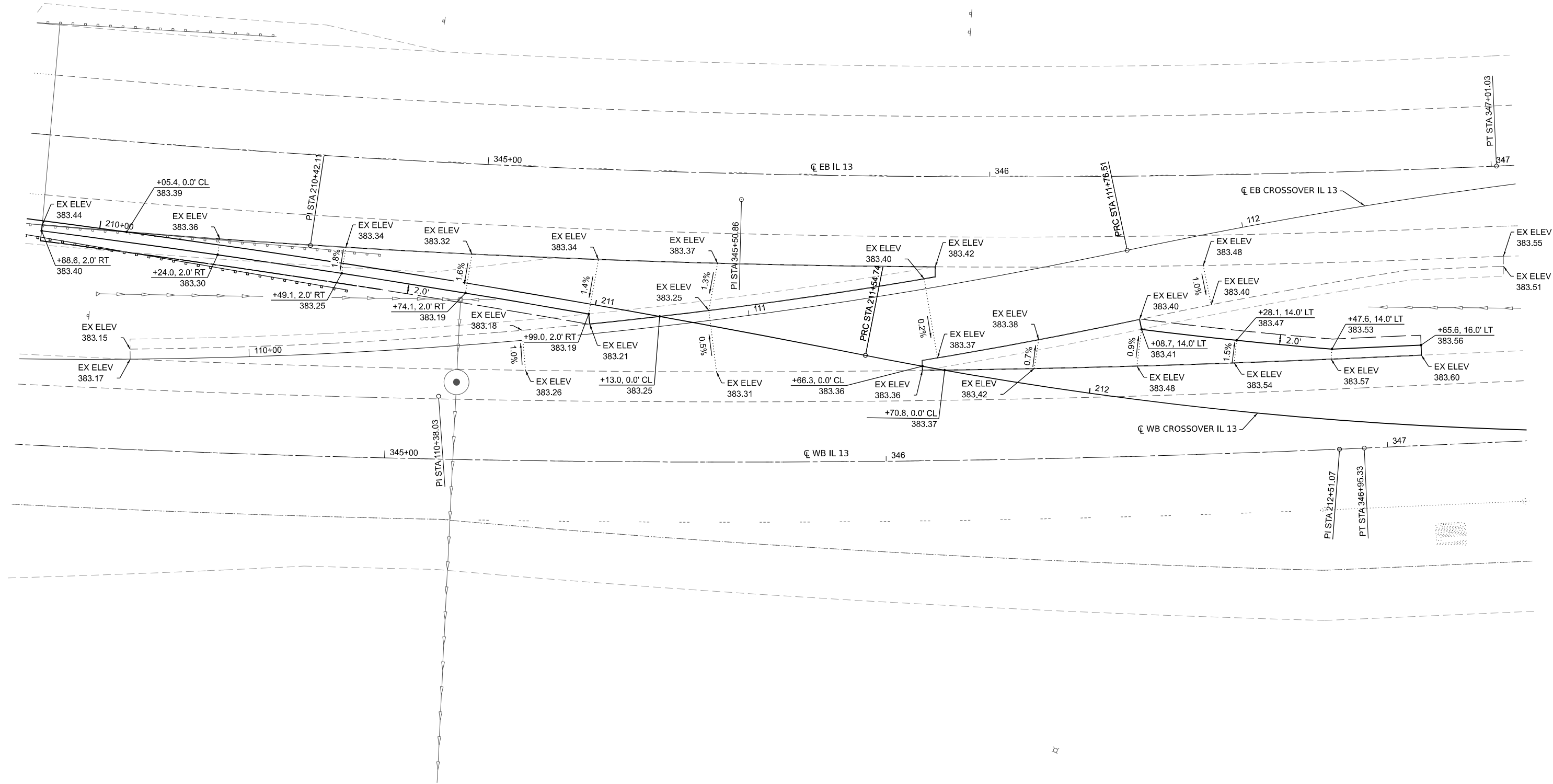
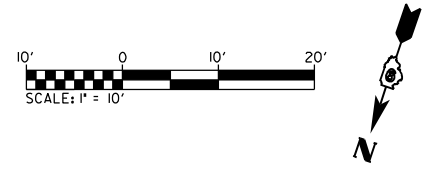
USER NAME = jack.morra	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EASTERN CROSSOVER
WARPING DETAILS

SCALE: 1"=10' SHEET 1 OF 2 SHEETS STA. 334+50.00 TO STA. 337+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	15
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				



MODEL: EXCL_WB - Western Crossover [Sheet]
FILE NAME: H:\P222064 - IDOT PTB 203 Item 49 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-sht-warping.dgn



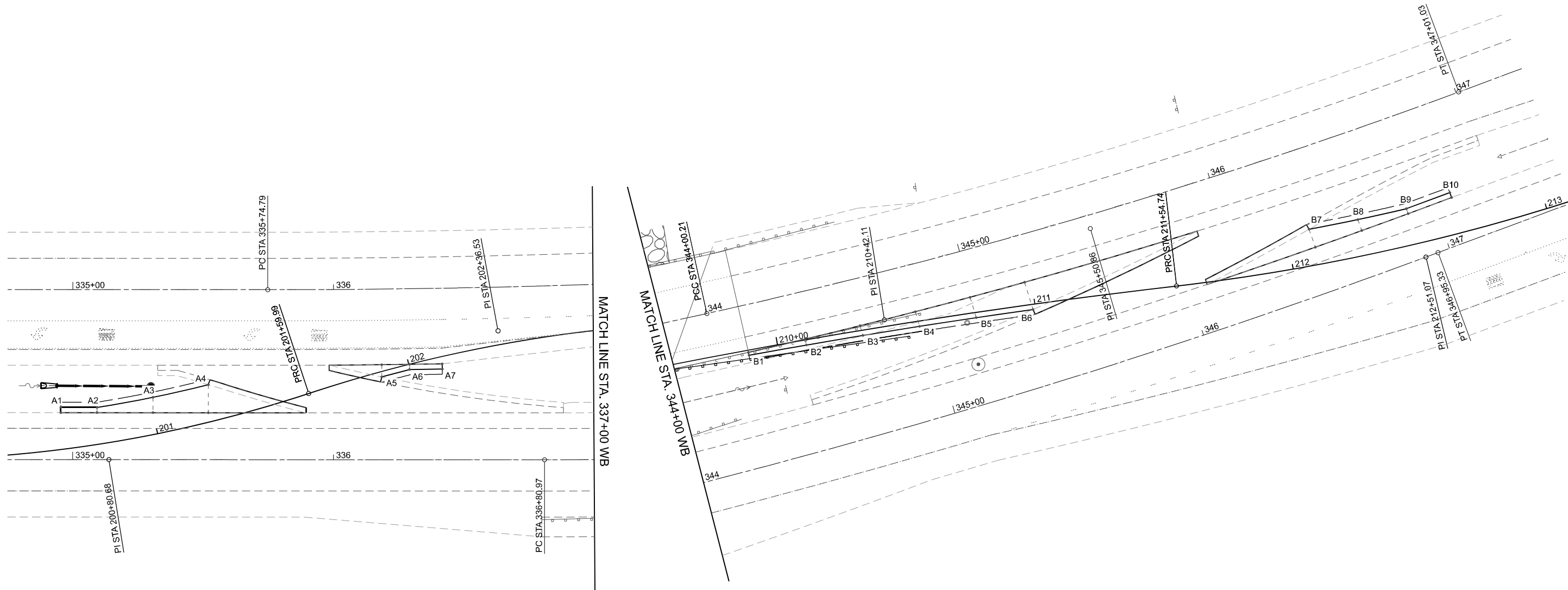
USER NAME = joel.italiano	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 2/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WESTERN CROSSOVER WARPING DETAILS			
SCALE: 1"=10'	SHEET 2	OF 2 SHEETS	STA. 344+20.00 TO STA. 347+20.00

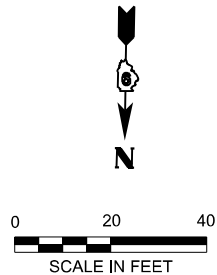
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	16
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

MODEL: Elevation and Offset Data
FILE NAME: H:\P222064- IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-slp-offseadata.dgn



IL 13 WB STATION	POINT NUMBER	E.O.P. LEFT		POINT NUMBER	E.O.P. RIGHT	
		OFFSET (FT)	ELEVATION		OFFSET (FT)	ELEVATION
334+95.42	A1	20.00' LT	383.21		18.00' LT	ME
335+09.32	A2	20.00' LT	383.20		18.00' LT	ME
335+30.76	A3	23.90' LT	383.04		18.00' LT	ME
335+52.10	A4	28.75' LT	382.64		18.00' LT	ME
336+18.49		36.45' LT	ME	A5	31.77' LT	382.86
336+29.18		36.59' LT	ME	A6	34.04' LT	382.79
336+41.73		36.79' LT	ME	A7	34.79' LT	382.79
BRIDGE OMISSION						
344+29.03		43.94' LT	ME	B1	42.76' LT	383.40
344+52.07		42.95' LT	ME	B2	40.79' LT	383.34
344+74.26		42.34' LT	ME	B3	38.48' LT	383.28
344+96.38		41.62' LT	ME	B4	35.81' LT	383.24
345+18.44		40.94' LT	ME	B5	32.78' LT	383.19
345+40.41		40.32' LT	ME	B6	29.38' LT	383.19
346+51.65	B7	25.29' LT	383.41		18.00' LT	ME
346+70.68	B8	22.48' LT	383.47		18.00' LT	ME
346+89.74	B9	20.00' LT	383.53		18.00' LT	ME
347+07.55	B10	20.00' LT	383.56		18.00' LT	ME

NOTE:
THE CONTRACTOR SHALL CONSTRUCT THIS MEDIAN CROSSOVER USING
THE ELEVATION AND OFFSET DATA TABLE FOUND ON THIS SHEET. VALUES
SHOWN ARE BASED ON THE ORIGINAL ROADWAY PLANS. CONTRACTOR MAY
MAKE MINOR ADJUSTMENTS IN THE FIELD AS APPROVED BY THE ENGINEER.



USER NAME = joel.italiano
PLOT DATE = 2/28/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 13 CROSSOVERS
ELEVATION AND OFFSET DATA

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	17
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

MODEL: EB - Stage 1A (Sheet)
FILE NAME: H:\P222064 - IDOT PTB 203 Item 49 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-sht-op-stage1.dgn



ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME	= jack.morra	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 3/12/2025	DATE	-	REVISED	-

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 EASTBOUND TRAFFIC CONTROL PLAN			
SCALE: 1"=50'	SHEET 1	OF 4 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	18
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

LEGEND

- ROAD CONSTRUCTION AHEAD W20-03(0)-48
- END ROAD WORK G20-2(0)-36
- LEFT LANE CLOSED AHEAD W20-5L(0)-48
- RIGHT LANE CLOSED AHEAD W20-5R(0)-48
- 24" x 24"
- 24" x 24"
- 36" x 24"
- LEFT TURN LANE OPEN AHEAD

- SIGNAGE
- BARRICADE OR DRUM WITH FLASHING LIGHT
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTION LIGHT
- DIRECTION OF TRAFFIC (INFORMATION ONLY)
- VERTICAL SIGN PANEL
- TYPE 3 BARRICADE WITH FLASHING LIGHTS

- R3-2 24"x24" NO LEFT TURN SIGN
- R3-27 24"x24" NO STRAIGHT THRU SIGN
- R3-5R 30"x36" RIGHT TURN ONLY

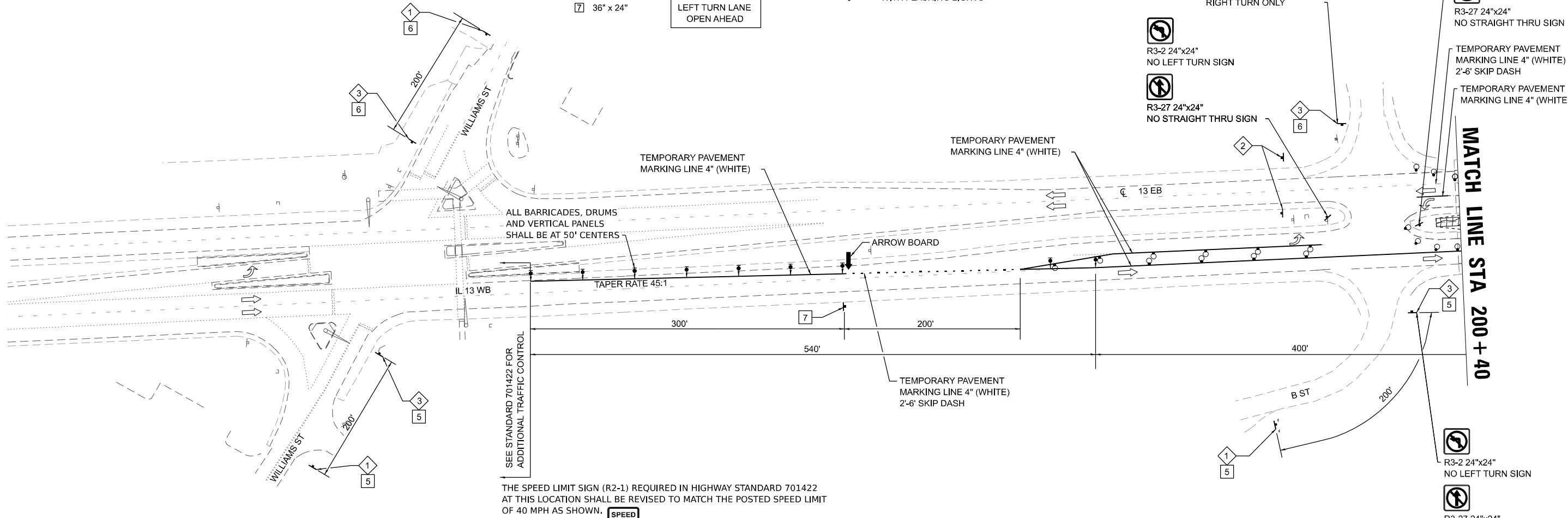
- R3-2 24"x24" NO LEFT TURN SIGN
- R3-27 24"x24" NO STRAIGHT THRU SIGN

- R3-2 24"x24" NO LEFT TURN SIGN
- R3-27 24"x24" NO STRAIGHT THRU SIGN

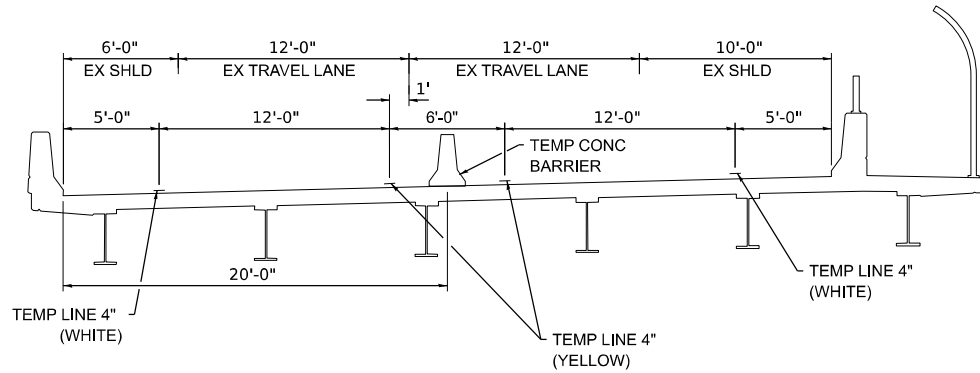
- TEMPORARY PAVEMENT MARKING LINE 4" (WHITE) 2'-6" SKIP DASH
- TEMPORARY PAVEMENT MARKING LINE 4" (WHITE)

MATCH LINE STA 200+40

- R3-2 24"x24" NO LEFT TURN SIGN
- R3-27 24"x24" NO STRAIGHT THRU SIGN
- R3-5R 30"x36" RIGHT TURN ONLY



R2-1



SECTION A-A

LEGEND

① ROAD CONSTRUCTION AHEAD W20-03(0)-48

② END ROAD WORK G20-2(0)-36

③ LEFT LANE CLOSED AHEAD W20-5L(0)-48

④ RIGHT LANE CLOSED AHEAD W20-5R(0)-48

⑤ 24" x 24"

⑥ 24" x 24"

⑦ 36" x 24"

LEFT TURN LANE
OPEN AHEAD

SIGNAGE

BARRICADE OR DRUM
WITH FLASHING LIGHT

DIRECTION INDICATOR BARRICADE WITH
STEADY BURN MONODIRECTION LIGHT

DIRECTION OF TRAFFIC
(INFORMATION ONLY)

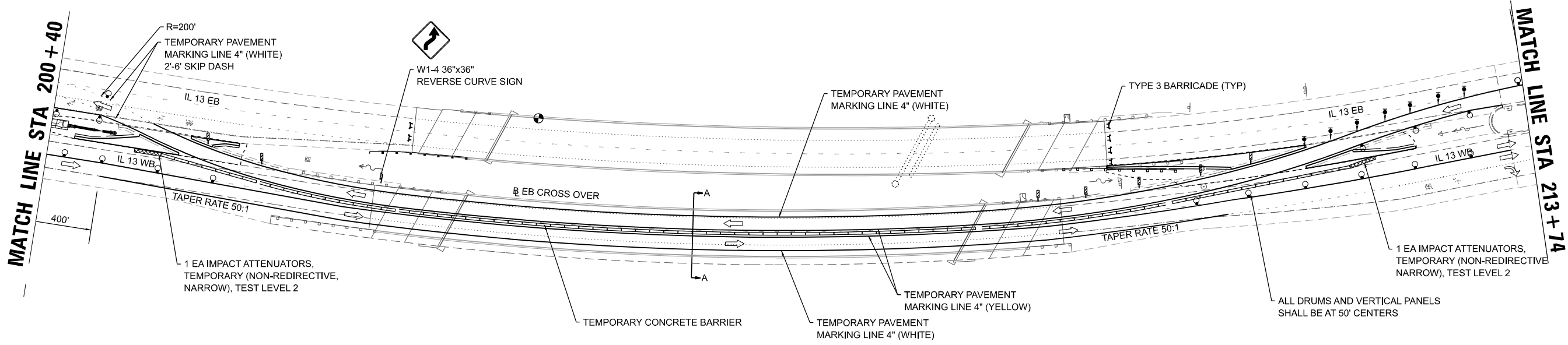
VERTICAL SIGN PANEL

TYPE 3 BARRICADE
WITH FLASHING LIGHTS

50' 0 50' 100'

SCALE: 1" = 50'

N



NOTES: BEFORE CROSSOVERS ARE OPEN TO TRAFFIC. VERTICAL PANELS SET IN THE AREAS OF CROSSOVER PAVEMENT FOR CN 78A11 SHALL BE REMOVED AND REMAINING 3" DIA. CORED HOLES SHALL BE FILLED WITH GROUT AS APPROVED BY THE ENGINEER. AT THE END OF CONTRACT, AFTER TRAFFIC IS PLACED BACK IN ITS ORIGINAL POSITION, THE VERTICAL PANELS SHALL BE RE-ERECTED AS APPROVED BY THE ENGINEER. THE NOTED WORK SHALL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION, (SPECIAL). NO OTHER COMPENSATION WILL BE ALLOWED.

MODEL: EB - Stage 1B (Sheet)
FILE NAME: H:\P222064 - IDOT PTB 203 Item 49 District 9 V-V222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-slt-top-stage1.dgn



USER NAME = jack.morra	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/12/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 EASTBOUND
TRAFFIC CONTROL PLAN

SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	19
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

MODEL: EB - Stage 1C (Sheet)
FILE NAME: H:\P\222064 - IDOT FTB 203 Item 49 District 9 V-V\222064.D24 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-sht-top-stage1.dgn

MATCH LINE STA 213+74



W1-4 36"x36"
REVERSE CURVE SIGN

ALL DRUMS AND VERTICAL PANELS
SHALL BE AT 50' CENTERS

SEE SHEET 21
TRAFFIC CONTROL PLAN

TEMPORARY PAVEMENT
MARKING LINE 4" (WHITE)

ARROW BOARD

THE SPEED LIMIT SIGN (R2-1) REQUIRED IN HIGHWAY STANDARD 701422
AT THIS LOCATION SHALL BE REVISED TO MATCH THE POSTED SPEED LIMIT
OF 40 MPH AS SHOWN.



R2-1

SEE STANDARD 701422 FOR
ADDITIONAL TRAFFIC CONTROL

TAPER RATE 45:1

LEGEND

- ① ROAD CONSTRUCTION AHEAD W20-03(0)-48
 - ② END ROAD WORK G20-2(0)-36
 - ③ LEFT LANE CLOSED AHEAD W20-5L(0)-48
 - ④ RIGHT LANE CLOSED AHEAD W20-5R(0)-48
 - ⑤ 24" x 24"
 - ⑥ 24" x 24"
 - ⑦ 36" x 24"
- LEFT TURN LANE
OPEN AHEAD

- SIGNAGE
- BARRICADE OR DRUM
WITH FLASHING LIGHT
- DIRECTION INDICATOR BARRICADE WITH
STEADY BURN MONODIRECTION LIGHT
- DIRECTION OF TRAFFIC
(INFORMATION ONLY)
- VERTICAL SIGN PANEL
- TYPE 3 BARRICADE
WITH FLASHING LIGHTS

0 50 100 150
SCALE IN FEET



USER NAME = jack,morra
PLOT DATE = 3/12/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 EASTBOUND
TRAFFIC CONTROL PLAN

SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	20
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

MODEL: EB - Stage 1D [Sheet]
FILE NAME: H:\P222064 - IDOT PTB 203 Item 49 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-sht-cp-stage1.dgn



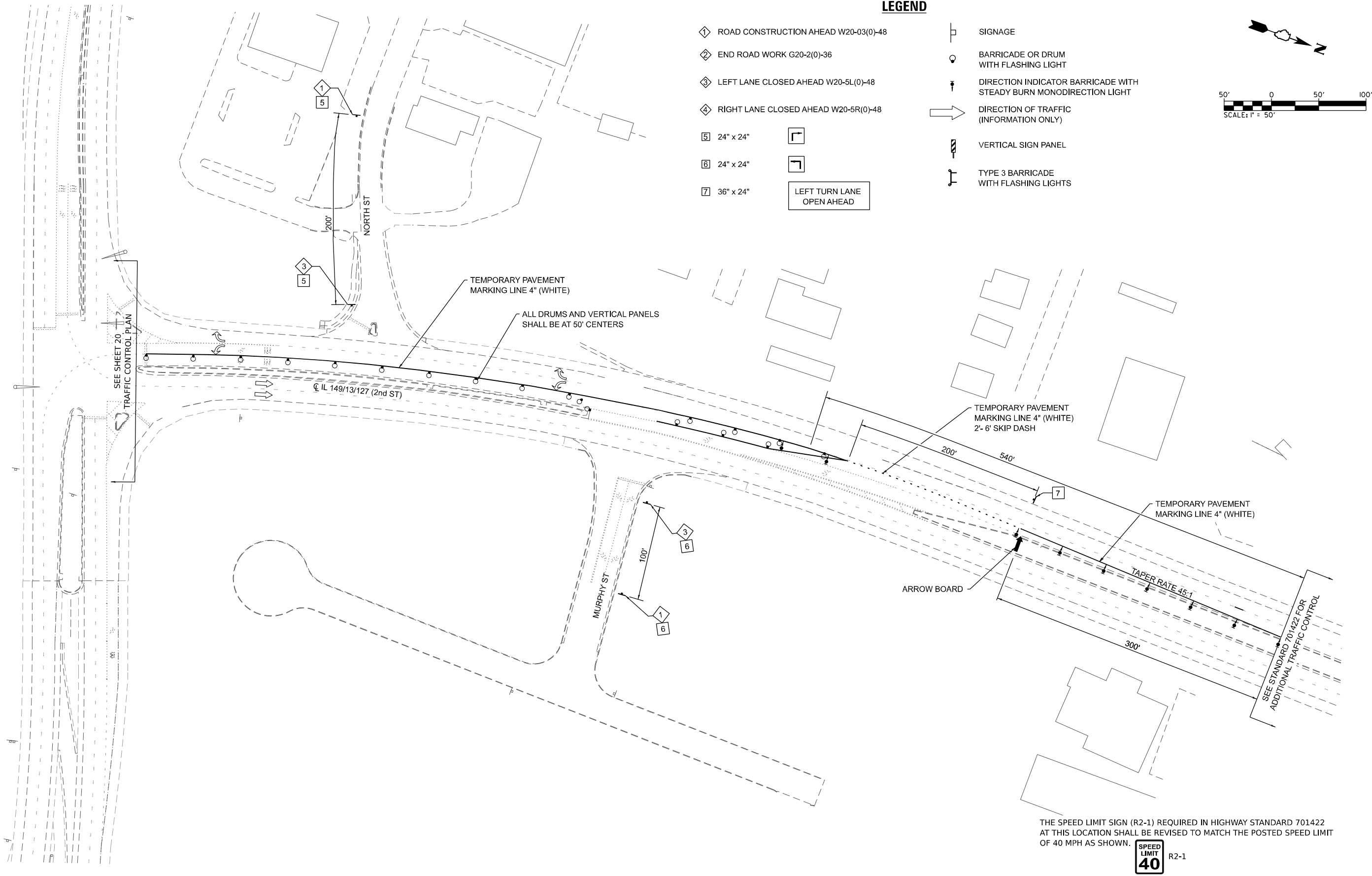
USER NAME	= jack.morra	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
PLOT DATE	= 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 EASTBOUND
TRAFFIC CONTROL PLAN

SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	21
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				



MODEL: WB - Stage 2A [Sheet]
FILE NAME: H:\P222064 - IDOT PTB 203 Item 49 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-sht-cp-stage2.dgn

USER NAME = jack.morra	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

LEGEND

- 1 ROAD CONSTRUCTION AHEAD W20-03(0)-48
2 END ROAD WORK G20-2(0)-36
3 LEFT LANE CLOSED AHEAD W20-5L(0)-48
4 RIGHT LANE CLOSED AHEAD W20-5R(0)-48
5 24" x 24"
6 24" x 24"
7 36" x 24"
LEFT TURN LANE OPEN AHEAD

- SIGNAGE
BARRICADE OR DRUM WITH FLASHING LIGHT
DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTION LIGHT
DIRECTION OF TRAFFIC (INFORMATION ONLY)
VERTICAL SIGN PANEL
TYPE 3 BARRICADE WITH FLASHING LIGHTS

- R3-2 24"x24" NO LEFT TURN SIGN
R3-27 24"x24" NO STRAIGHT THRU SIGN
R3-5R 30"x36" RIGHT TURN ONLY



- R3-2 24"x24" NO LEFT TURN SIGN
R3-27 24"x24" NO STRAIGHT THRU SIGN

TEMPORARY PAVEMENT MARKING LINE 4" (YELLOW)

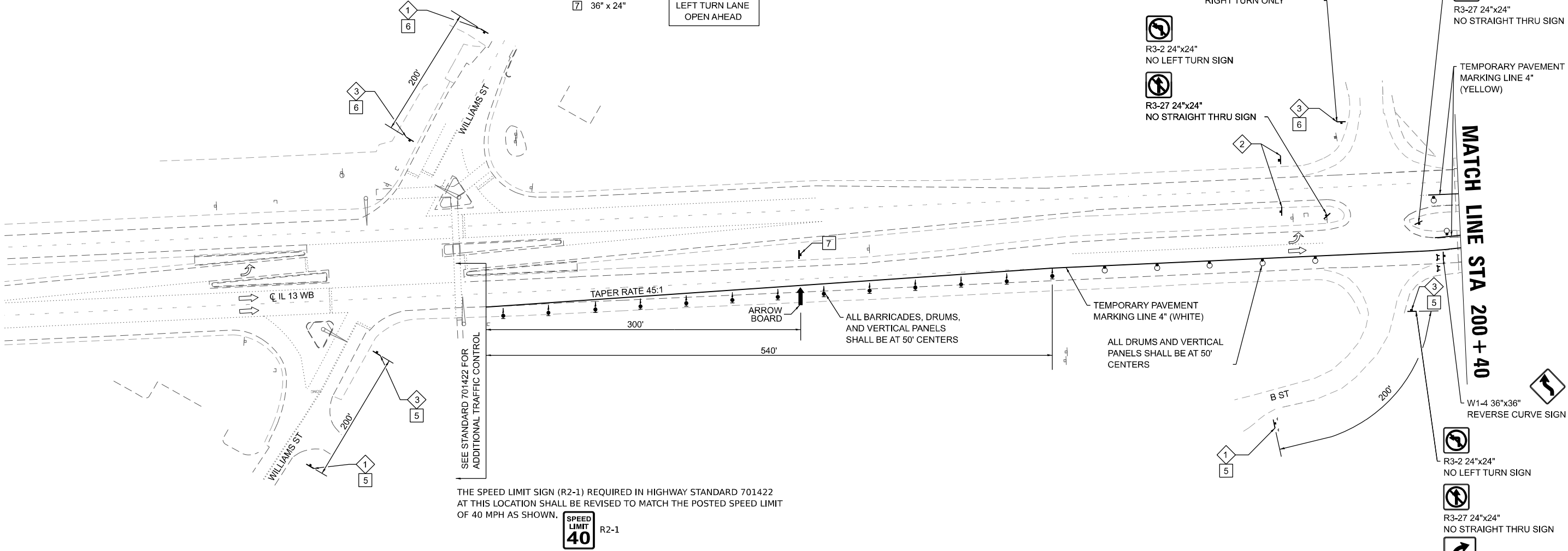
MATCH LINE STA 200+40

- W1-4 36"x36" REVERSE CURVE SIGN

- R3-2 24"x24" NO LEFT TURN SIGN

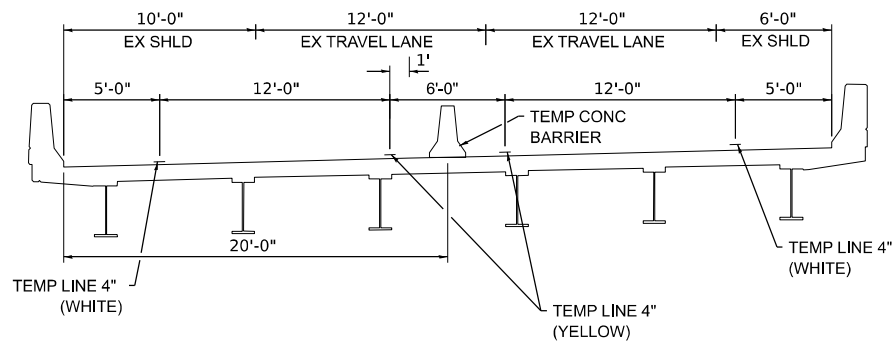
- R3-27 24"x24" NO STRAIGHT THRU SIGN

- ONLY
R3-5R 30"x36" RIGHT TURN ONLY

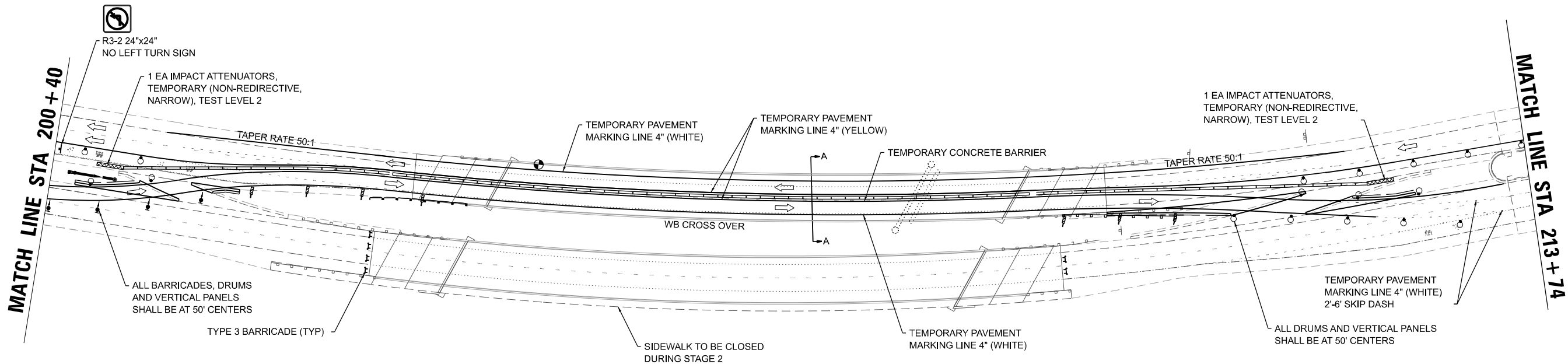


SEE STANDARD 701422 FOR ADDITIONAL TRAFFIC CONTROL
THE SPEED LIMIT SIGN (R2-1) REQUIRED IN HIGHWAY STANDARD 701422 AT THIS LOCATION SHALL BE REVISED TO MATCH THE POSTED SPEED LIMIT OF 40 MPH AS SHOWN.



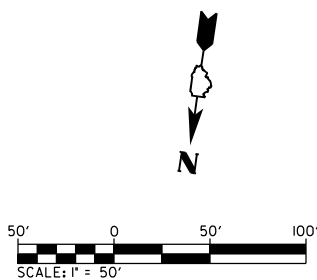


SECTION A-A



- LEGEND**
- 1 ROAD CONSTRUCTION AHEAD W20-03(0)-48
 - 2 END ROAD WORK G20-2(0)-36
 - 3 LEFT LANE CLOSED AHEAD W20-5L(0)-48
 - 4 RIGHT LANE CLOSED AHEAD W20-5R(0)-48
 - 5 24" x 24"
 - 6 24" x 24"
 - 7 36" x 24"
- LEFT TURN LANE OPEN AHEAD

- SIGNAGE
- BARRICADE OR DRUM WITH FLASHING LIGHT
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTION LIGHT
- DIRECTION OF TRAFFIC (INFORMATION ONLY)
- VERTICAL SIGN PANEL
- TYPE 3 BARRICADE WITH FLASHING LIGHTS



NOTES: BEFORE CROSSOVERS ARE OPEN TO TRAFFIC. VERTICAL PANELS SET IN THE AREAS OF CROSSOVER PAVEMENT FOR CN 78A11 SHALL BE REMOVED AND REMAINING 3" DIA. CORED HOLES SHALL BE FILLED WITH GROUT AS APPROVED BY THE ENGINEER. AT THE END OF CONTRACT, AFTER TRAFFIC IS PLACED BACK IN ITS ORIGINAL POSITION, THE VERTICAL PANELS SHALL BE RE-ERECTED AS APPROVED BY THE ENGINEER. THE NOTED WORK SHALL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION, (SPECIAL). NO OTHER COMPENSATION WILL BE ALLOWED.

MODEL: WB - Stage 2B [Sheet]
FILE NAME: H:\222064 - DOT P1B 203 Item 49 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-sht-cp-stage2.dgn



USER NAME = jack.morra	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

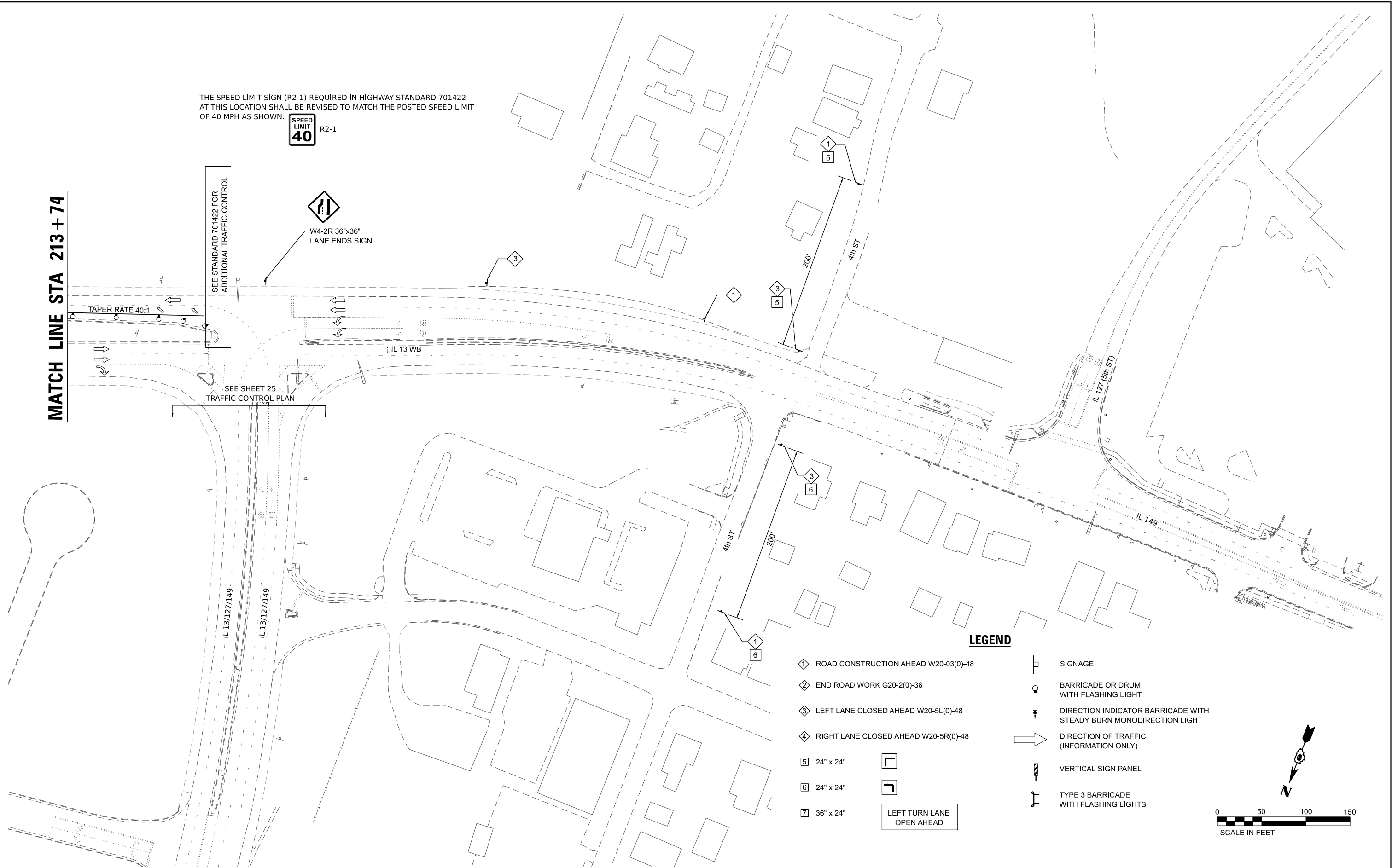
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 WESTBOUND
TRAFFIC CONTROL PLAN

SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	23
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

MODEL: WB - Stage 2C (Sheet)
FILE NAME: H:\2222064 - IDOT PTB 203 Item 49 District 9 V-V\2222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-sht-cp-stage2.dgn



USER NAME = jack.morra

DESIGNED -

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DATE -

3/11/2025

DESIGNED -

DRAWN -

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DATE -

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 WESTBOUND
TRAFFIC CONTROL PLAN

SCALE: 1"=50'

SHEET 3

OF 4

SHEETS

STA.

TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	24
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

MODEL: WB - Stage 2D [Sheet]
FILE NAME: H:\222064 - DOT PTB 203 Item 49 District 9 V-V222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-sht-cp-stage2.dgn



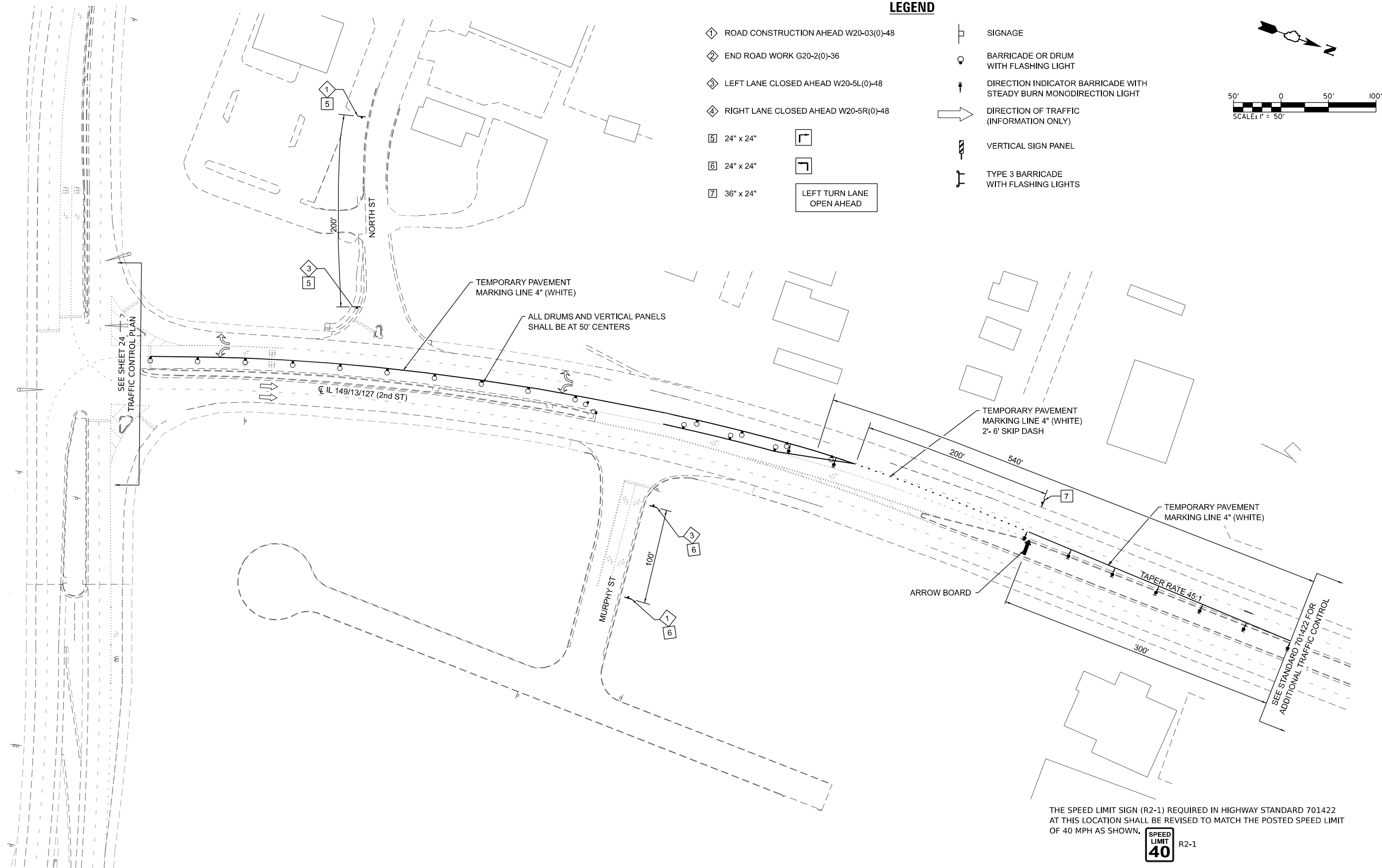
USER NAME	= jack.morra	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
PLOT DATE	= 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 WESTBOUND
TRAFFIC CONTROL PLAN

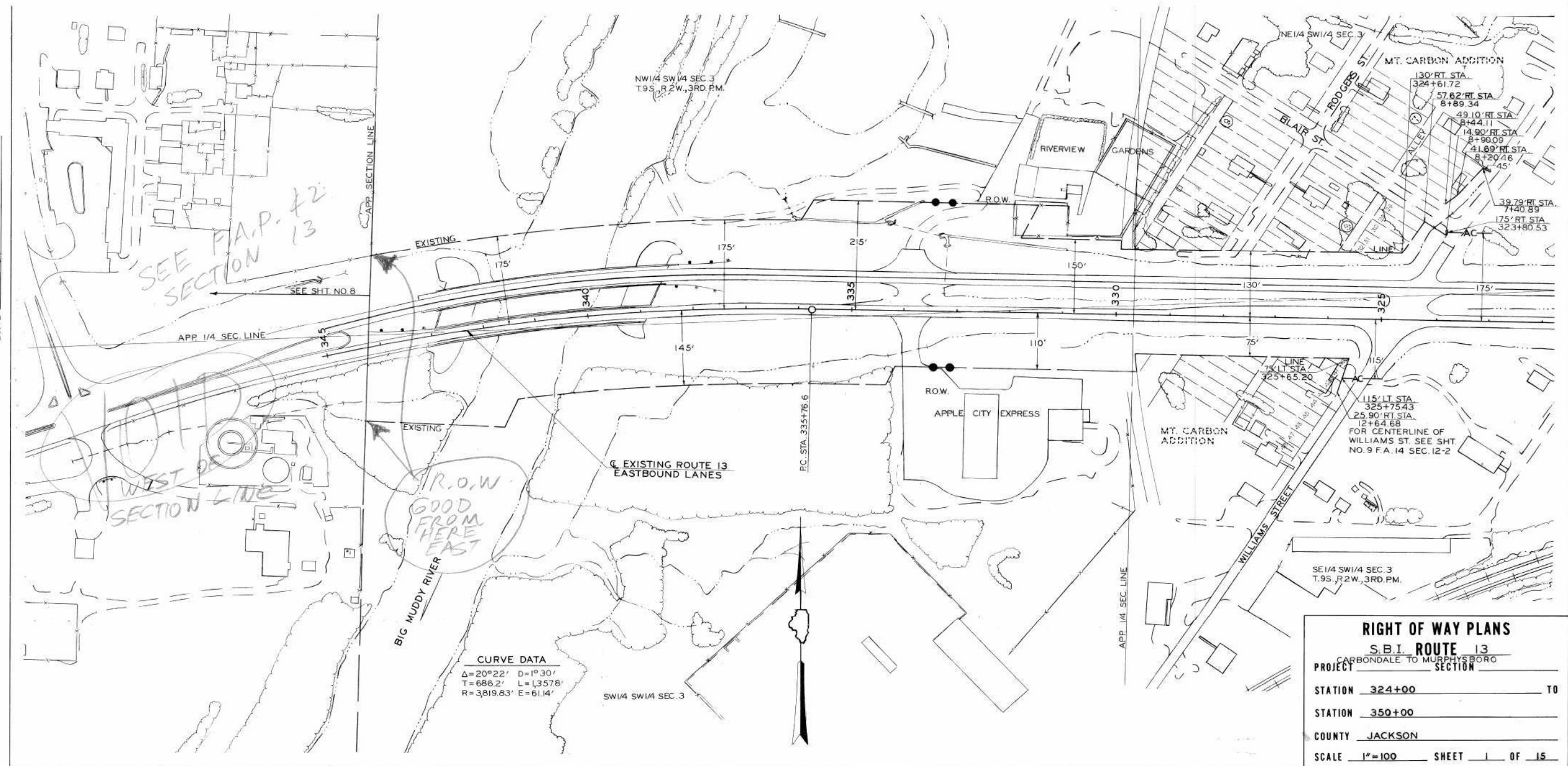
SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	25
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				



MODEL: ROW12 (Sheet)
FILE NAME: H:\P222064 - IDOT PTB 203 Item 49 District 9 V-V222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-slr-row.dgn

DRAWN BY JS DATE 6-15-83
REVISED BY JS DATE 5-20-87



RIGHT OF WAY PLANS				
S.B.I. ROUTE 13				
CARBONDALE TO MURPHYSBORO				
PROJECT	SECTION			
STATION	324+00			TO
STATION	350+00			
COUNTY	JACKSON			
SCALE	1"=100	SHEET	1	OF 15

FOR INFORMATION ONLY

NOTES: REFERENCED FROM PDF FILE OF ROW SHEET
S03-T9S-R2W-JACKSON-324+00-350+00-1987



USER NAME	= jack.morra	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
		DATE	-	REVISED	-
PLOT DATE	= 3/11/2025				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLAN
RIGHT-OF-WAY SHEETS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	27
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

Notes:

- ① Pipe piles to be installed and cutoff 1' below existing ground.
- ② Concrete deck, parapets and railings to be removed, to accommodate pile installation between girders, and replaced. Typical.
- ③ See sheet 24 of 31 for layout of piles beyond.



Existing ground

60" Ø pipe pile, typ. ①

D.H.W.E
372.34 (50 Yr.)

E.W.S.E
349.1

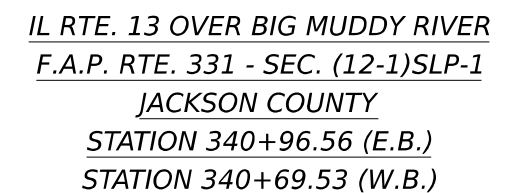
Top of Rock

STATE OF ILLINOIS
DANIEL GEORGE LUTZ
08-006772
LICENSED STRUCTURAL ENGINEER



DATE: 3/13/2025

EXPIRATION: 11/30/2026



USER NAME = jack_morra	DESIGNED - KP	REVISED - _____
	CHECKED - DGL	REVISED - _____
PLOT SCALE = 0:2,000' = 1" / in.	DRAWN - KP	REVISED - _____
PLOT DATE = 4/28/2025	CHECKED - DGL	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 039-0075 (E.B.) & 039-0076 (W.B.)

SHEET 1 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	28
		CONTRACT NO. 78985		
		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES - DECK

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

Slipforming of the parapets is not allowed.

Before removing the existing deck, the Contractor shall measure and document the existing fillets at quarter points along each girder in the removal area. These existing fillet heights shall be used to reestablish the fillet heights of the replacement deck. Cost included with Concrete Superstructure.

Before starting deck removal, the Contractor shall disconnect the portion of the electrical circuit affected by the deck removal and modify the circuit as necessary so that lights west of the bridge will work during construction. New Conduit Embedded in Structure, 2" Dia. PVC shall be spliced to existing conduit. Splicing of electric cables is not allowed. New electric cables shall be installed from hand hole to hand hole. This work including the removal and re-installation of light poles if necessary shall be included in the cost of the various electrical pay items.

See Junction Box Replacement special provision for requirements to replace damaged junction box on southwest parapet of SN 039-0075.

The Special Provisions for Structural Assessment Reports for Contractor's Means and Methods is applicable to the Contractors deck removal & replacement operations and any pipe pile installation operations that involve the bridges. The consultant preparing the report shall be pre-qualified with the Department in the category of "Highway Bridges - Advanced Typical".

GENERAL NOTES - PILES

Pipe piles to be installed according to the Large Diameter Pipe Pile special provision and Construction Operations general note on sheet 3 of 67. Pipe piles shall have a minimum yield stress of 50 ksi. After installation, pipe piles to be dewatered, backfilled with sand, and cut off no more than 1 ft below the adjacent ground surface, also in accordance with the Large Diameter Pipe Pile special provision.

Five pipe piles shall be instrumented for monitoring in accordance with the Pipe Pile Monitoring Equipment special provision and the ShapeArray Housing Detail on sheet 28 of 31. One ShapeArray conduit must be successfully installed within one pile from each of the following pairs:

Pair	Sensorized Length
A10 and A11	62ft
A25 and A26	60ft
A28 and A29	60ft
B30and B31	60ft
C26 and C27	60ft

If a ShapeArray conduit is successfully installed in the first pile installation of each pile pair, conduit is not required in the second pile of the pair.

The contractor is advised that concrete debris is buried throughout the project site. This debris shall be removed in accordance with the Special Provision for Concrete Debris Removal.

TOTAL BILL OF MATERIAL

	ITEM	UNIT	SUPER	SUB	TOTAL
	Concrete Removal	Cu. Yd.	154.1	-	154.1
	Concrete Superstructure	Cu. Yd.	154.1	-	154.1
	Bridge Deck Grooving	Sq. Yd.	480.0	-	480.0
①	Protective Coat	Sq. Yd.	640.0	-	640.0
	Reinforcement Bars, Epoxy Coated	Pound	40,950	-	40,950
	Mechanical Splicers	Each	16	-	16
	Conduit embedded in structure, 2" dia., PVC	Foot	109.0	-	109.0
	Junction Box, Stainless Steel, Attached to Structure, 12"x10"x6"	Each	-	-	1
	Electric cable in conduit, 600V (XLP-Type use) 1/C No. 6	Foot	1000.0	-	1000.0
	Electric cable in conduit, 600V (XLP-Type use) 1/C No. 4	Foot	1000.0	-	1000.0
	Furnishing Metal Large Diameter Pipe Piles	Foot	-	-	8,549.0
	Furnishing and Placing Sand fill	Cu. Yd.	-	-	4,400.0
	Pipe Pile Monitoring Equipment	Each	-	-	5
	Installing Large Diameter Pipe Piles	Foot	-	-	8,040.0
	Fence Removal	Foot	-	-	573.0
	Decorative Steel Railing	Foot	-	-	573.0
	Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	-	-	1,098.0
	Rock Fill	Cu. Yd.	-	-	1,098.0

INDEX OF SHEETS

Sheet No.	Description
1	General Plan & Elevation
2	General Data
3-5	Deck Removal Details - Eastbound
6-10	Deck Replacement Details - Eastbound
11-13	Deck Removal Details - Westbound
14-18	Deck Replacement Details - Westbound
19-21	Decorative Steel Railing Details
22	Existing Plans - Fence & Railing Details
23	Bar Splicer Assembly and Mechanical Splicer Details
24-26	Piling Layout
27-29	Pile Details
30-31	Blank Sheets

Notes:
① Apply to new concrete only.

FILE NAME: H:\P222064- DOT PTB 203 Rev.49 Details 9-14-22\22064_024 - IL 13 Big Muddy - Slide Millgotten PSE Bridge\Millgotten\0320075_0076-78985-02-General Notes.dgn 5/6/2025 9:15:57 AM



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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

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	CHECKED - DGL	REVISED - ____
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PLOT DATE = 5/6/2025	CHECKED - DGL	REVISED - ____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

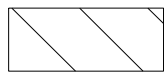
GENERAL DATA
STRUCTURE NO. 039-0075 (E.B.) & 039-0076 (W.B.)

SHEET 2 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	29
CONTRACT NO. 78985				
		ILLINOIS	FED. AID PROJECT	

FILE NAME: H:\P\222064- DOT PTB 303 Rev. 49 Details 9-14-22\22064-024 - IL 13 Big Muddy - Slide Millgallen PSE Bridge\Millgallen\0320075_0076-1885-00-5-Superstructure Removal Plan SE.dgn
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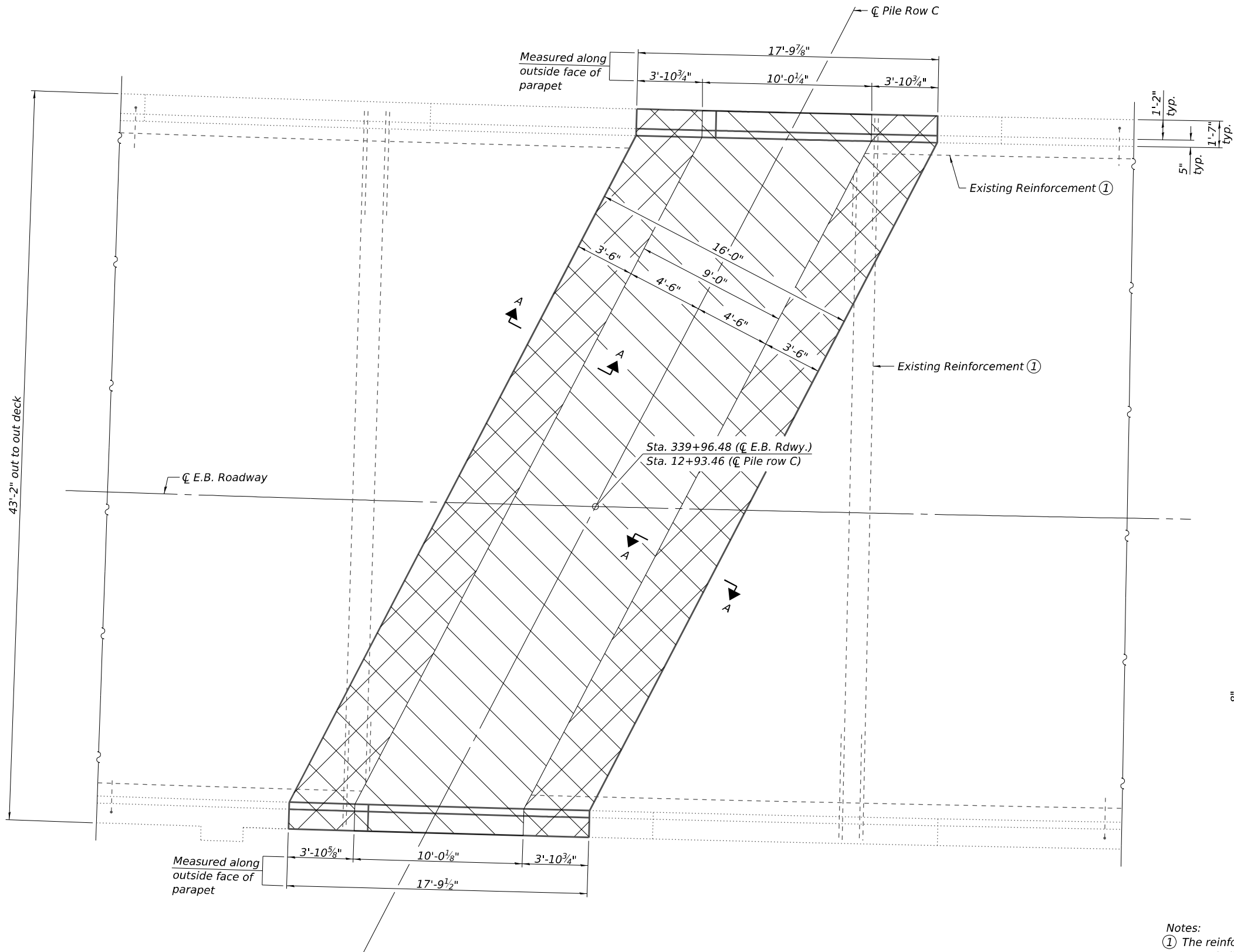
LEGEND



Denotes removal of
concrete and reinforcement



Denotes removal of
concrete only



SPAN 2 DECK REMOVAL PLAN

Notes:

- ① The reinforcement bars in the removal of concrete only area shall be cleaned and incorporated into new construction. Any reinforcement bars that are damaged during concrete removal shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.
- ② Existing deck is composite with steel girders.



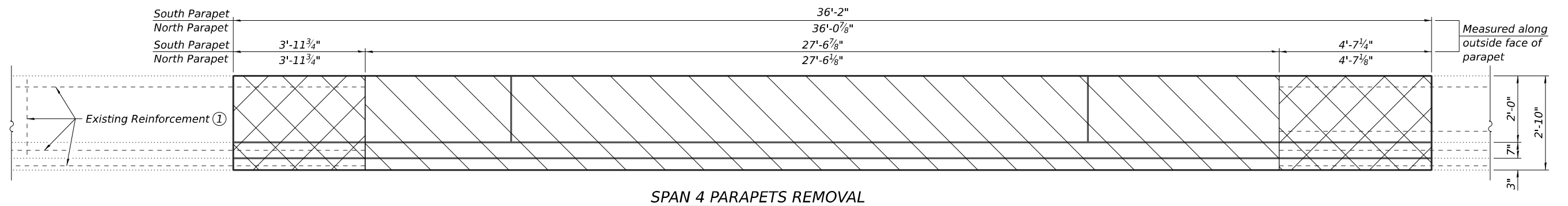
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK REMOVAL DETAILS
STRUCTURE NO. 039-0075 (E.B.)**

SHEET 3 OF 31 SHEETS

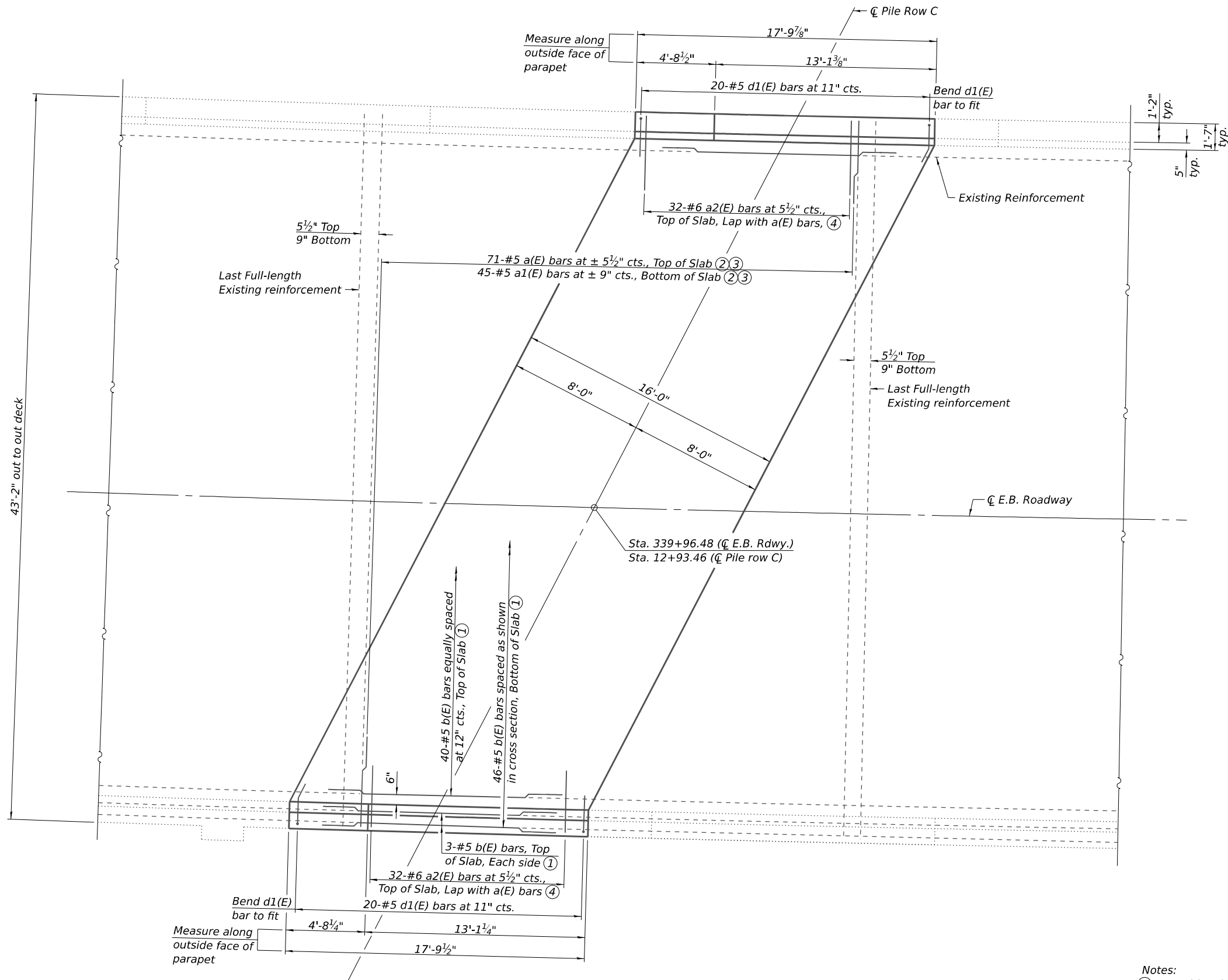
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	30
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				



 Denotes removal of concrete and reinforcement

 Denotes removal of concrete only

FILE NAME: H:\P\222064 - IDOT PTB 203 Item 49 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\Bridge\Microstation\0390075_0076-78985-005-Parapel Removal Eastbound.dgn

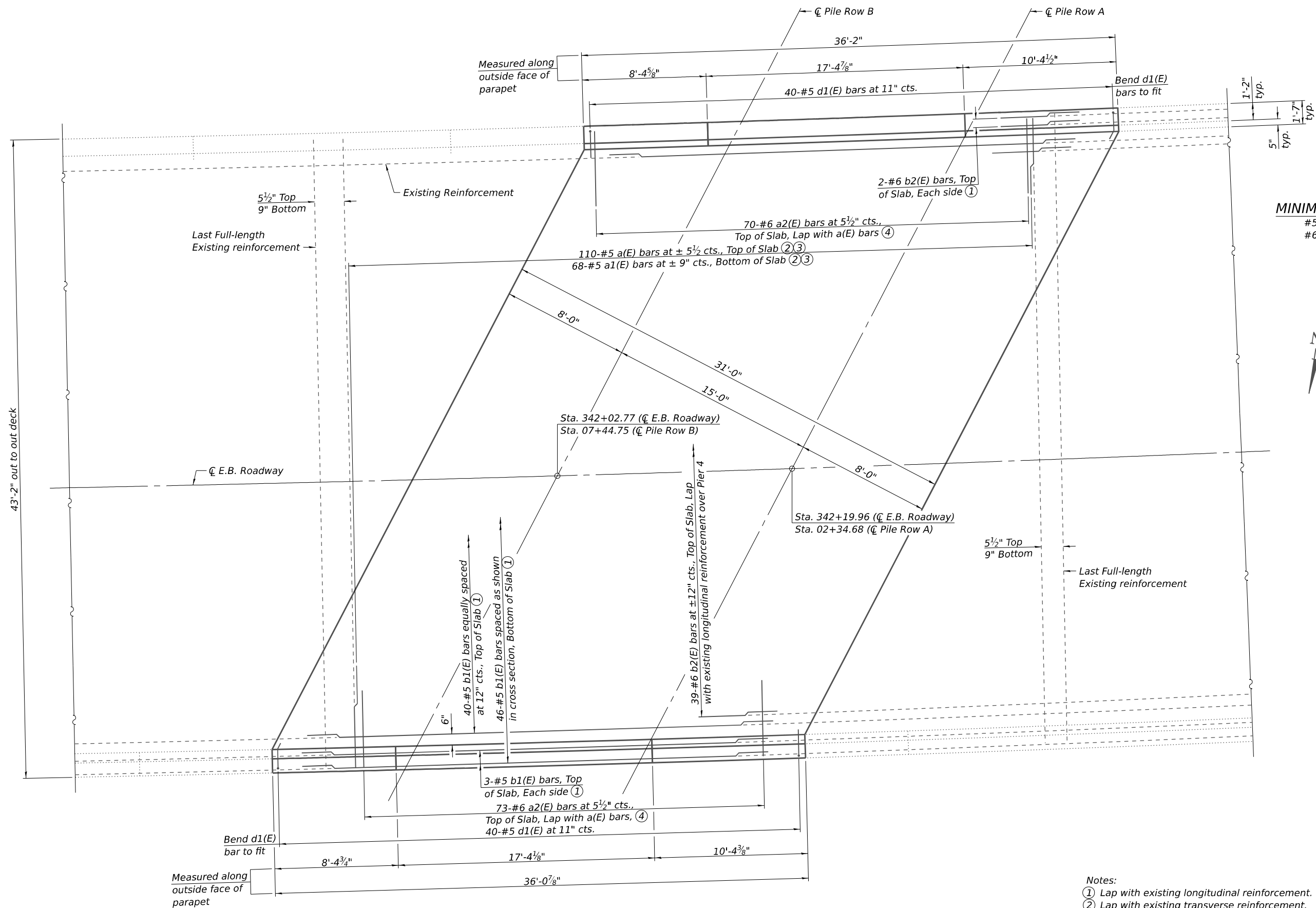


SPAN 2 DECK REPLACEMENT PLAN

- Notes:
- ① Lap with existing longitudinal reinforcement.
 - ② Lap with existing transverse reinforcement.
 - ③ Order a(E) and a1(E) bars full length. Cut as required in the field and use the remaining bars on the other end. Number of bars called out in plan view are total full length and cut bars.
 - ④ Omit where overhang reinforcement exist.

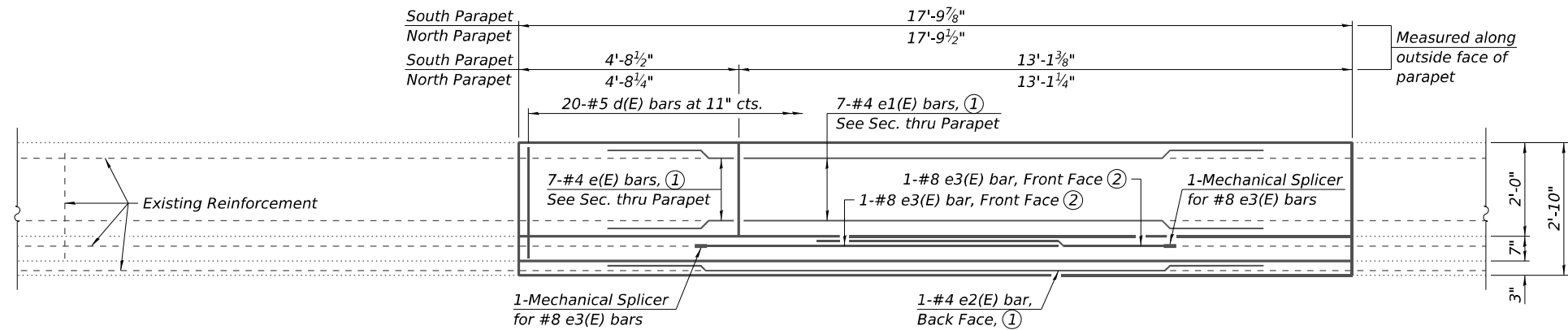
MINIMUM BAR LAP
#5 bar = 2'-7"

FILE NAME: H:\P\222064-DOT\PTB\203 Rev.49 Details 9-14-22\22064-024 - IL 13 Big Muddy - Slide Milligan - PSE Bridge\Milligan\0320075_0076-7885-005-Supersubstructure Replacement Plan SE.dgn 3/13/2025 4:36:38 PM



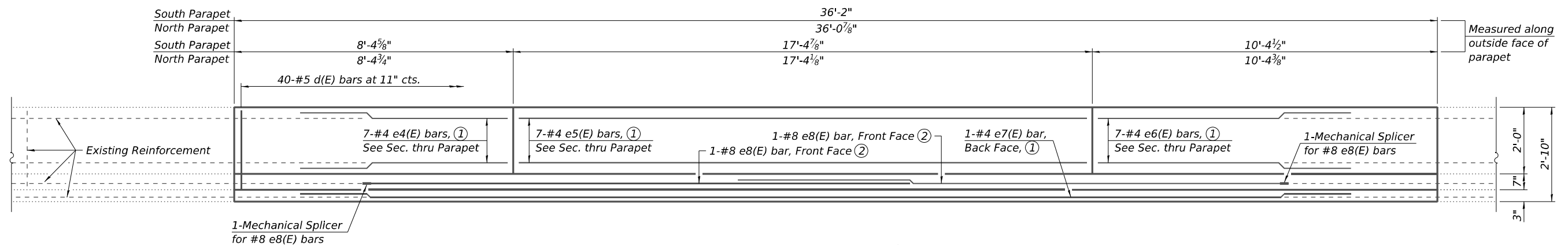
SPAN 4 DECK REPLACEMENT PLAN

- Notes:
- ① Lap with existing longitudinal reinforcement.
 - ② Lap with existing transverse reinforcement.
 - ③ Order a(E) and a1(E) bars full length. Cut as required in the field and use the remaining bars on the other end. Number of bars called out in plan view are total full length and cut bars.
 - ④ Omit where overhang reinforcement exist.



SPAN 2 PARAPETS REPLACEMENT ③

MINIMUM BAR LAP
 #4 bar = 2'-0"
 #8 bar = 5'-2"



SPAN 4 PARAPETS REPLACEMENT ③

- Notes:
 ① Lap with existing reinforcement.
 ② Splice with existing reinforcement.
 ③ 2" PVC Conduit embedded in north parapet not shown for clarity.

FILE NAME: H:\P\222064- IDOT PTB 203 Item 49 Details 9 1A\222064_024 - IL 13 Big Muddy - Slide Milligan - SE Bridge\Microstation\0320075_0076-7885-09-Substructure Details SE SW.dgn
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DECK REPLACEMENT DETAILS
 STRUCTURE NO. 039-0075 (E.B.)**

SHEET 9 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	36
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

FILE NAME: H:\P\222064- DOT PTB 203 Rev. 40 Details 9 1A\222064_024 - IL 13 Big Muddy - Slide Millipollen PSE Bridge\Millipollen\0320075_2076-78985-01\Superstructure Details SE SW.dgn
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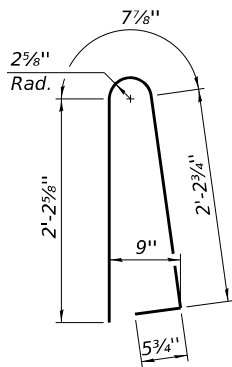
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

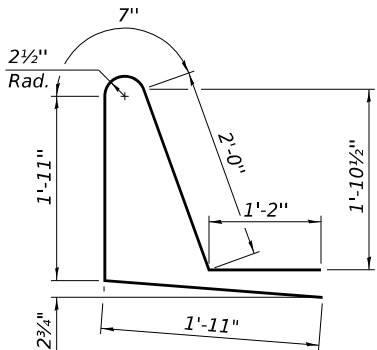
DECK REPLACEMENT DETAILS
STRUCTURE NO. 039-0075 (E.B.)

SHEET 10 OF 31 SHEETS

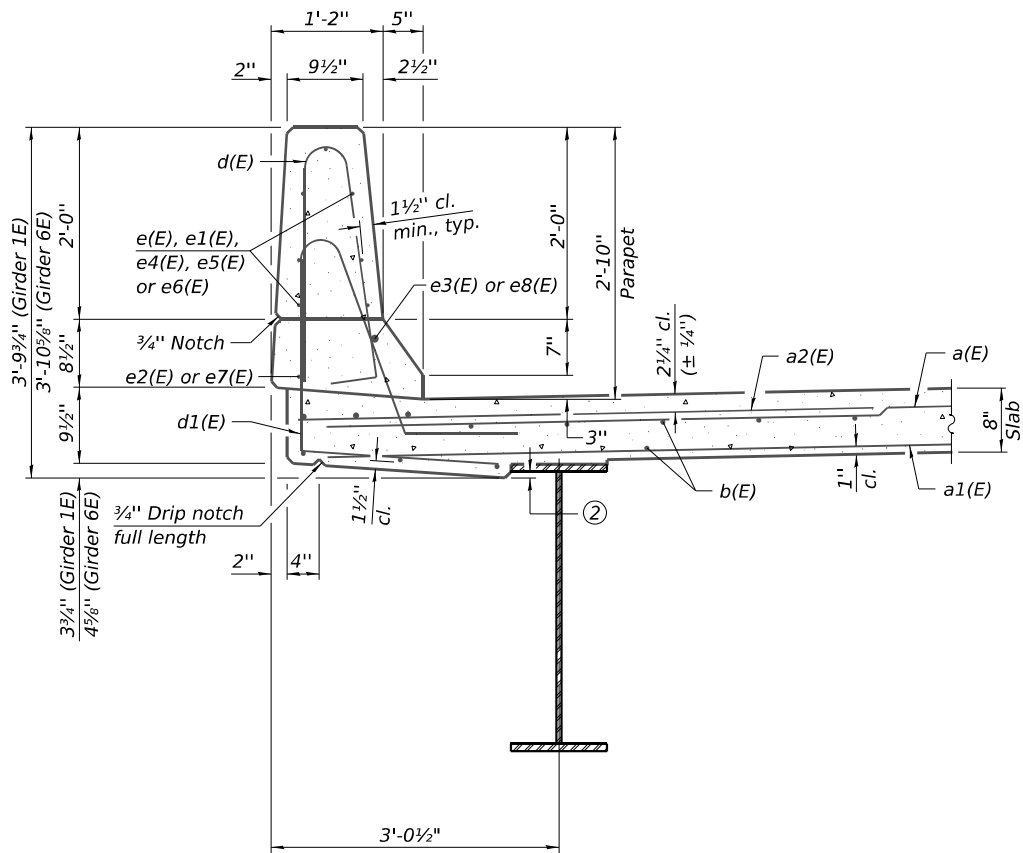
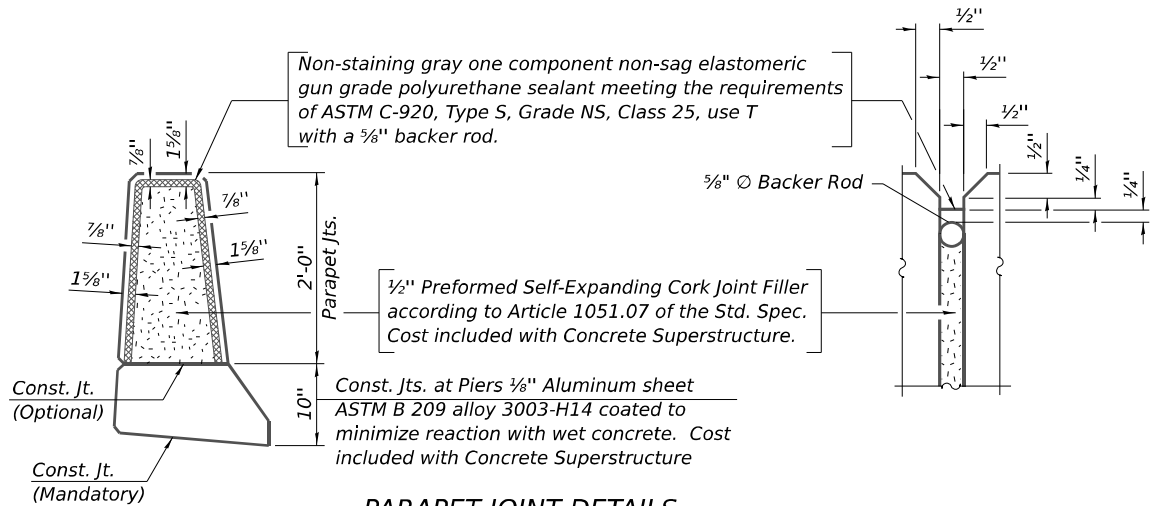
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	37
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				



BAR d(E)



BAR d1(E)



SECTION THRU PARAPET

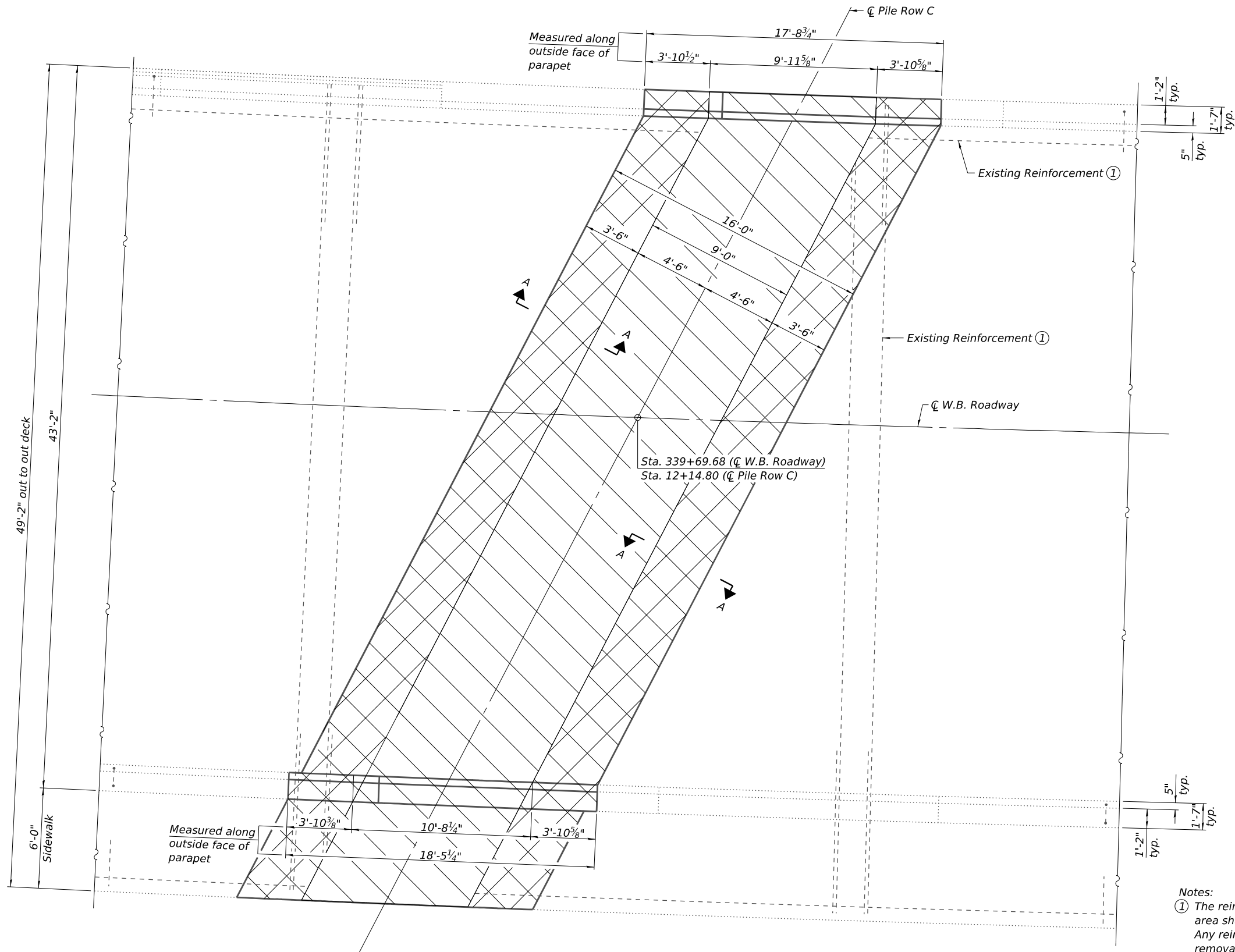
SUPERSTRUCTURE
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	111	#5	42'-6"	—
a1(E)	73	#5	41'-10"	—
a2(E)	207	#6	6'-6"	—
b(E)	92	#5	16'-3"	—
b1(E)	92	#5	33'-9"	—
b2(E)	43	#6	16'-4"	—
d(E)	120	#5	5'-7"	⏏
d1(E)	120	#5	7'-7"	⏏
e(E)	14	#4	3'-8"	—
e1(E)	14	#4	12'-3"	—
e2(E)	2	#4	15'-1"	—
e3(E)	4	#8	8'-8"	—
e4(E)	14	#4	7'-3"	—
e5(E)	14	#4	18'-1"	—
e6(E)	14	#4	8'-8"	—
e7(E)	2	#4	32'-7"	—
e8(E)	4	#8	17'-5"	—
Reinforcement Bars, Epoxy Coated			Lbs.	18,440
Concrete Superstructure			Cu. Yds.	72.4
Concrete Removal			Cu. Yds.	72.4

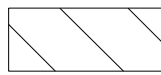
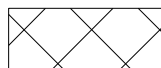
Notes:

- Order a(E) and a1(E) bars full length. Cut as required in the field and use the remaining bars on the other end. Number of bars called out in plan view are total full length and cut bars.
- For overhang reveal dimension, see General Notes - Deck on sheet 2 of 31.

FILE NAME: H:\P\222064- DOT PTB 303 Rev. 49 Details 9 1A\222064.024 - IL 13 Big Muddy - Slide Milligan - PSE Bridge\Microstation\0320075_0076-18985-01-1-Superstructure Removal Plan NE.dgn
3/13/2025 4:36:42 PM

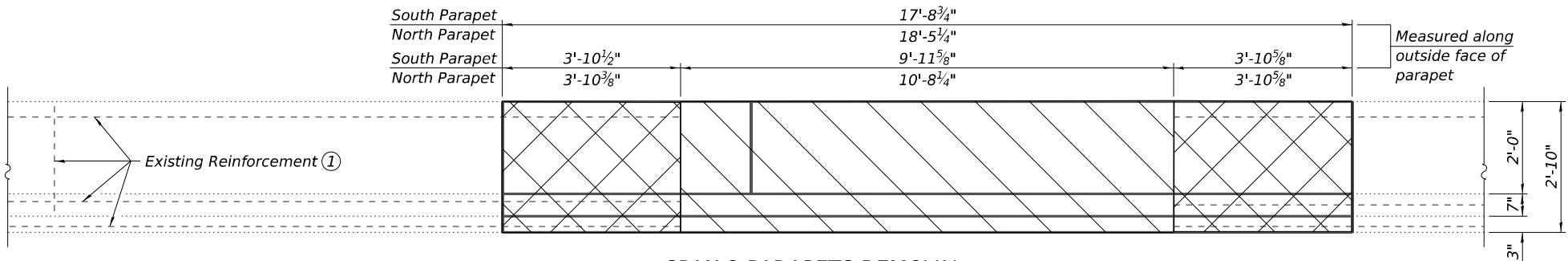


LEGEND

-  Denotes removal of concrete and reinforcement
-  Denotes removal of concrete only

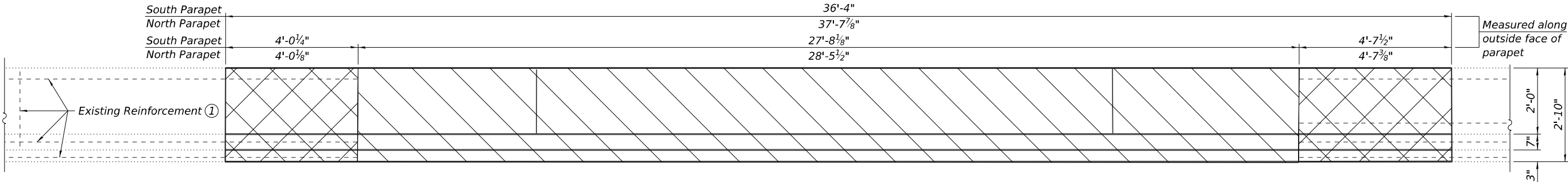
SPAN 2 DECK REMOVAL PLAN

- Notes:
- ① The reinforcement bars in the removal of concrete only area shall be cleaned and incorporated into new construction. Any reinforcement bars that are damaged during concrete removal shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.
 - ② For Sectin A-A, see sheet 3 of 31.
 - ③ Existing Sidewalk Parapet Railing shall be carefully removed and reinstalled. Cost included with Concrete Removal.
 - ④ Existing deck is composite with steel girders



SPAN 2 PARAPETS REMOVAL

Existing sidewalk parapet railing not shown for clarity.



SPAN 4 PARAPETS REMOVAL

Existing sidewalk parapet railing not shown for clarity.

LEGEND



Denotes removal of
concrete and reinforcement



Denotes removal of
concrete only

- Notes:
- ① The reinforcement bars in the removal of concrete only area shall be cleaned and incorporated into new construction. Any reinforcement bars that are damaged during concrete removal shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.
 - ② Existing Sidewalk Parapet Railing shall be carefully removed and reinstalled. Cost included with Concrete Removal.

FILE NAME: H:\P\222064- DOT PTB 203 Rev. 40 Details 9-14-22\22064-024 - IL 13 Big Muddy - Slide Millipollen PSE Bridge Millipollen\0320075_0076-78985-4-1-Parapet Removal Westboard.dgn 3/13/2025 4:36:44 PM



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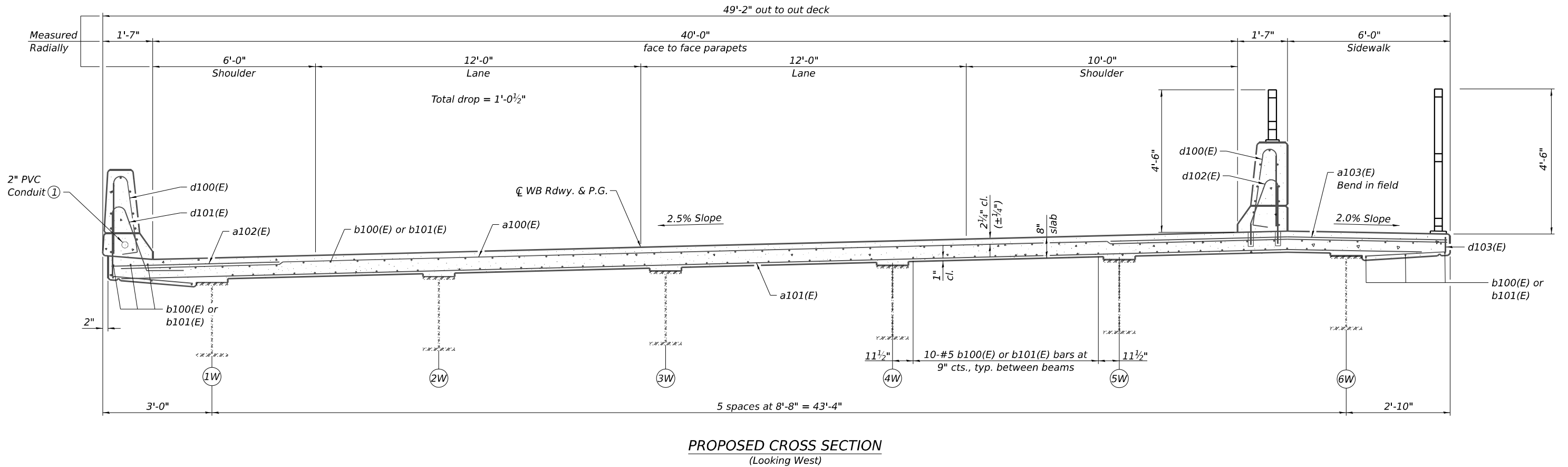
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK REMOVAL DETAILS
STRUCTURE NO. 039-0076 (W.B.)**

SHEET 13 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	40
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

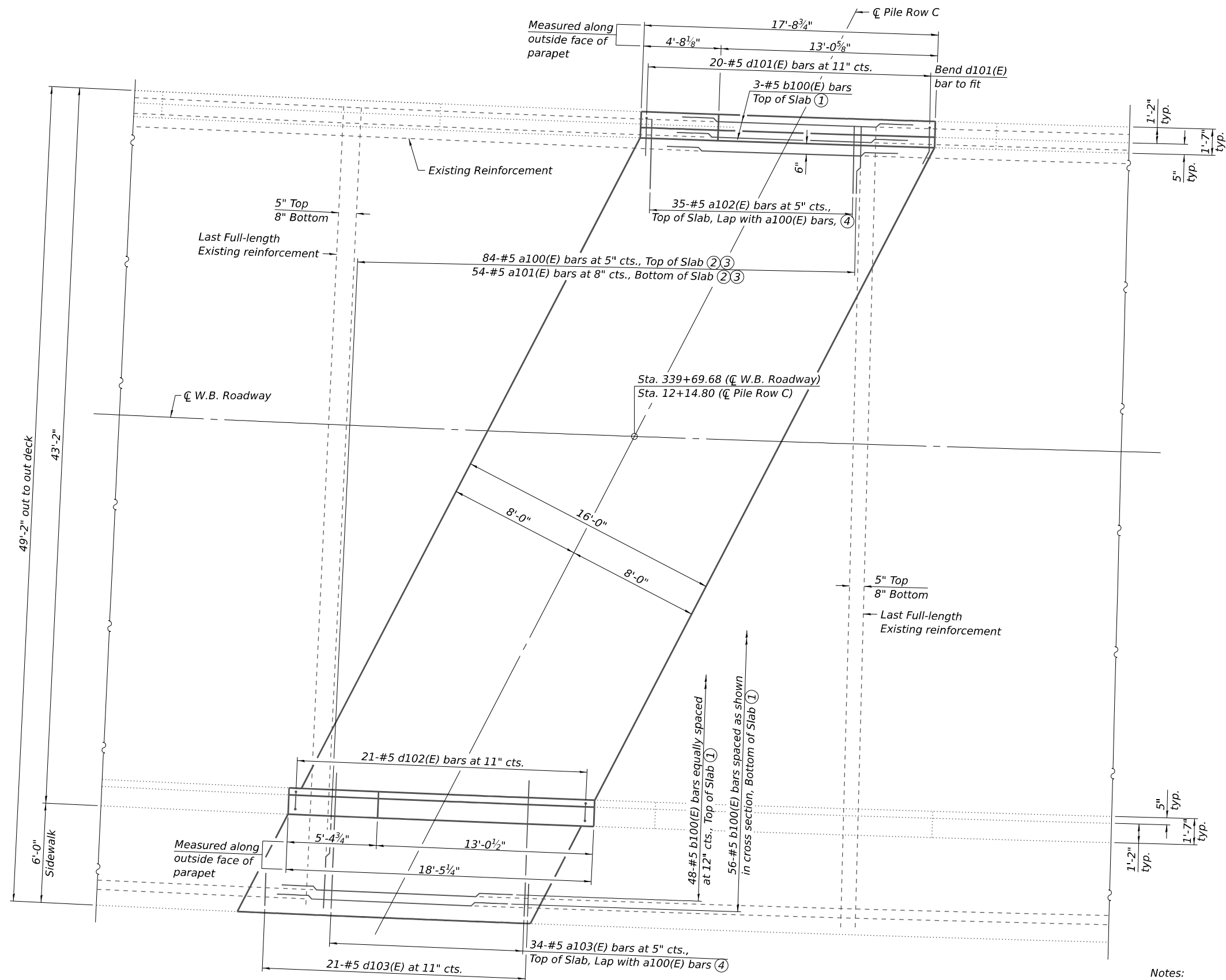
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3/13/2025 4:36:45 PM



Notes:
① Conduit shall have a minimum clearance of 1 1/2" from all reinforcement.

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PLOT DATE = 3/13/2025	DRAWN - KP	REVISED -
	CHECKED - DGL	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	41
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

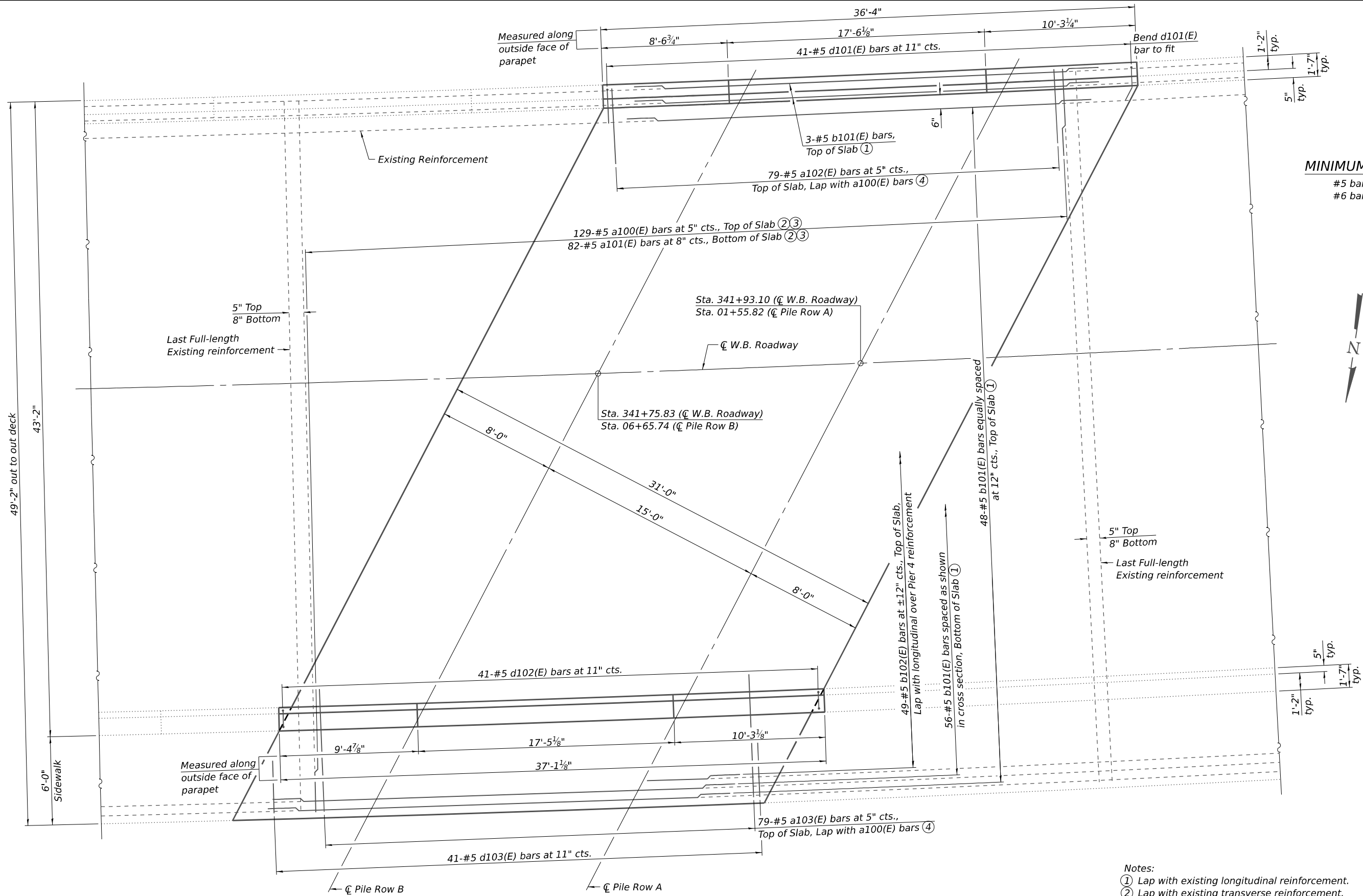


MINIMUM BAR LAP
#5 bar = 2'-7"

SPAN 2 DECK REPLACEMENT PLAN

- Notes:
- ① Lap with existing longitudinal reinforcement.
 - ② Lap with existing transverse reinforcement.
 - ③ Order a100(E) and a101(E) bars full length. Cut as required in the field and use the remaining bars on the other end. Number of bars called out in plan view are total full length and cut bars.
 - ④ Omit where overhang reinforcement exist.

FILE NAME: H:\P\222064- DOT PTB 203 Rev. 49 Details 9 1A\222064-024 - IL 13 Big Muddy - Slide Milligan PSE Bridge\Microstation\0320075_0076-7885-A\15-Superstructure Replacement Plan NW.dgn
3/13/2025 4:36:47 PM



MINIMUM BAR LAP
#5 bar = 2'-7"
#6 bar = 3'-1"

- Notes:
- ① Lap with existing longitudinal reinforcement.
 - ② Lap with existing transverse reinforcement.
 - ③ Order a100(E) and a101(E) bars full length. Cut as required in the field and use the remaining bars on the other end. Number of bars called out in plan view are total full length and cut bars.
 - ④ Omit where overhang reinforcement exist.

SPAN 4 DECK REPLACEMENT PLAN



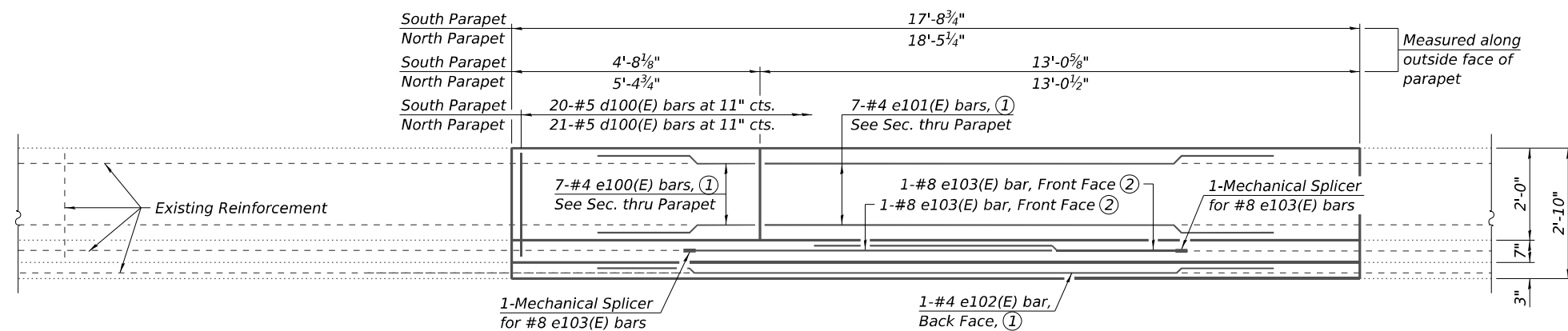
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK REPLACEMENT DETAILS
STRUCTURE NO. 039-0076 (W.B.)**

SHEET 16 OF 31 SHEETS

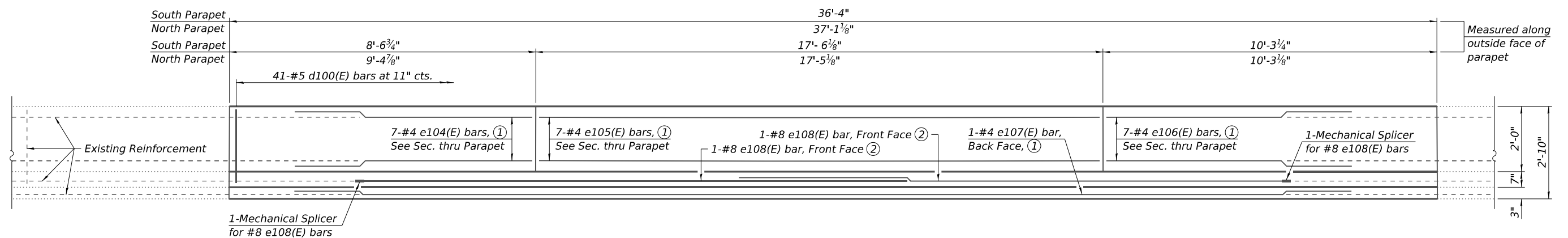
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	43
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				



SPAN 2 PARAPETS REPLACEMENT ③

MINIMUM BAR LAP

#4 bar = 2'-0"
#8 bar = 5'-2"



SPAN 4 PARAPETS REPLACEMENT ③

- Notes:
① Lap with existing reinforcement.
② Splice with existing reinforcement.
③ 2" PVC Conduit embedded in south parapet not shown for clarity.

FILE NAME: H:\P\222064- DOT PTB 203 Rev. 49 Details 9-14-22\22064-024- IL 13 Big Muddy - Slide Millipollen PSE Bridge\Microstation\0320075_0076-78985-01-4-Supersubstructure Details NE NW.dgn
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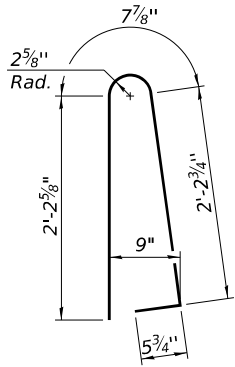
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK REPLACEMENT DETAILS
STRUCTURE NO. 039-0076 (W.B.)**

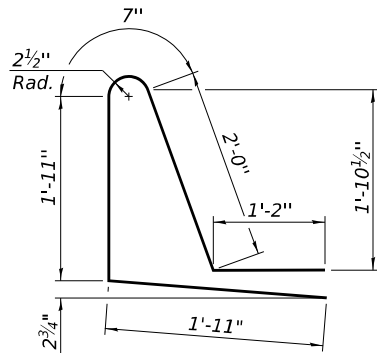
SHEET 17 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	44
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

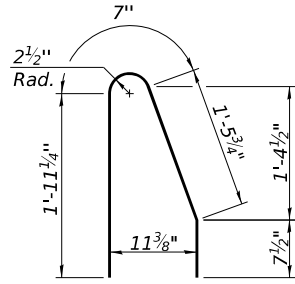
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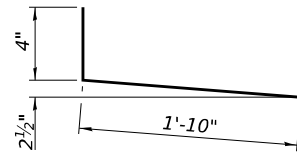
BAR d100(E)



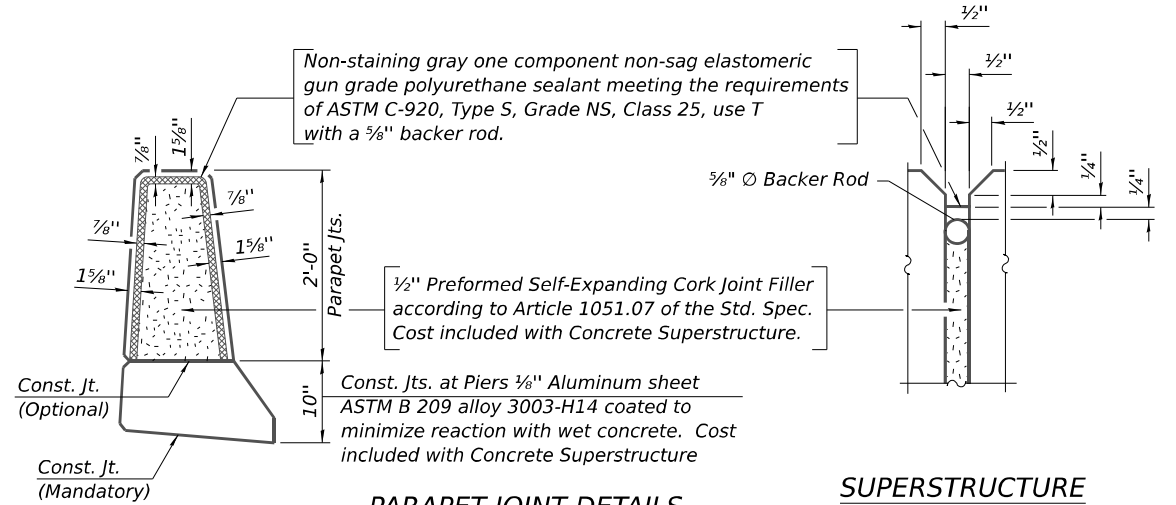
BAR d101(E)



BAR d102(E)



BAR d103(E)



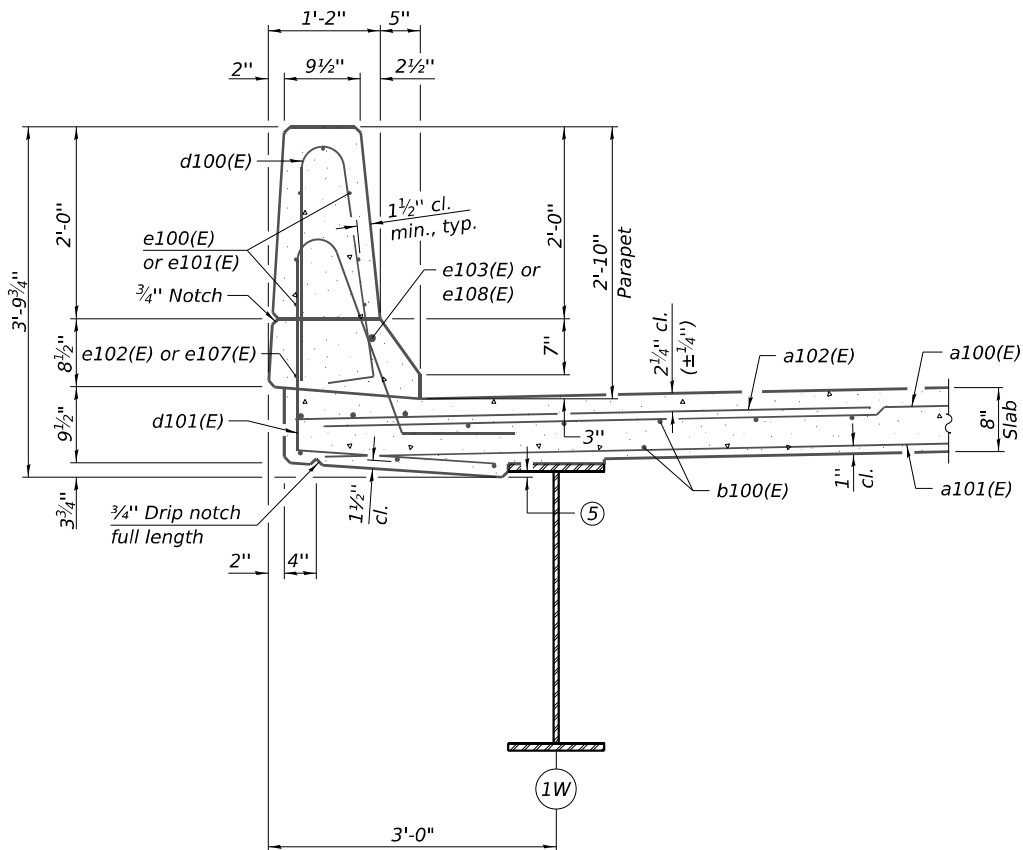
PARAPET JOINT DETAILS

SUPERSTRUCTURE
BILL OF MATERIAL

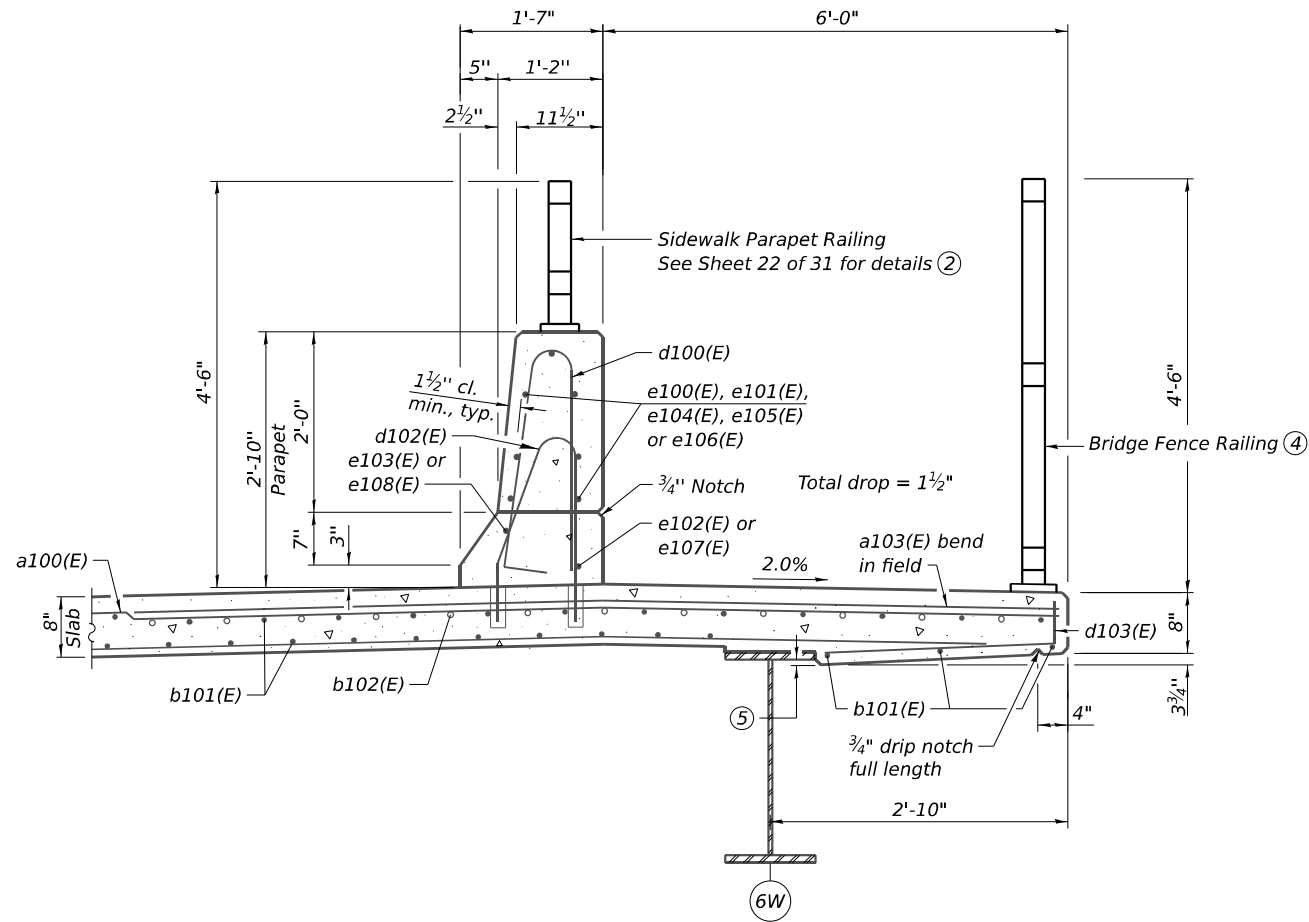
Bar	No.	Size	Length	Shape
a100(E)	122	#5	48'-8"	—
a101(E)	75	#5	47'-10"	—
a102(E)	114	#6	6'-6"	—
a103(E)	113	#6	12'-8"	—
b100(E)	107	#5	16'-2"	—
b101(E)	107	#5	33'-11"	—
b102(E)	49	#6	17'-1"	—
d100(E)	123	#5	5'-7"	⏏
d101(E)	61	#5	7'-6"	⏏
d102(E)	62	#5	4'-8"	⏏
d103(E)	62	#5	2'-2"	⏏
e100(E)	14	#4	4'-5"	—
e101(E)	14	#4	12'-0"	—
e102(E)	2	#4	15'-9"	—
e103(E)	4	#8	9'-0"	—
e104(E)	14	#4	8'-3"	—
e105(E)	14	#4	18'-1"	—
e106(E)	14	#4	8'-6"	—
e107(E)	2	#4	33'-6"	—
e108(E)	4	#8	17'-10"	—
Reinforcement Bars, Epoxy Coated			Lbs.	22,510
Concrete Superstructure			Cu. Yds.	81.7
Concrete Removal			Cu. Yds.	81.7

Notes:

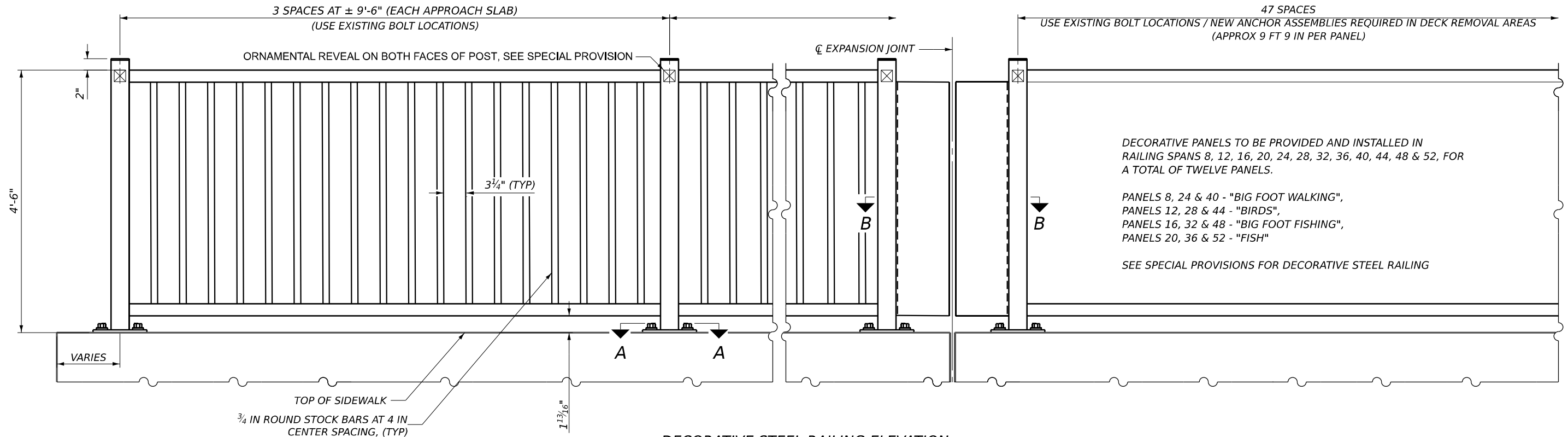
- Core and set #5 d102(E) bars according to Article 509.06 of the Standard Specifications. Cored holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of hole shall be 6". Cost included with Reinforcement Bars, Epoxy Coated.
- Anchorage to reinstall Sidewalk Parapet Railing shall follow the anchorage requirements shown on sheet 19 of 31. Cost included with Concrete Superstructure.
- Order a100(E) and a101(E) bars full length. Cut as required in the field and use the remaining bars on the other end. Number of bars called out in plan view are total full length and cut bars.
- Existing bridge fence railing to be removed for entire length of structure and replaced with decorative steel railing. See special provisions.
- For overhang reveal dimension, see General Notes - Deck on sheet 2 of 31.



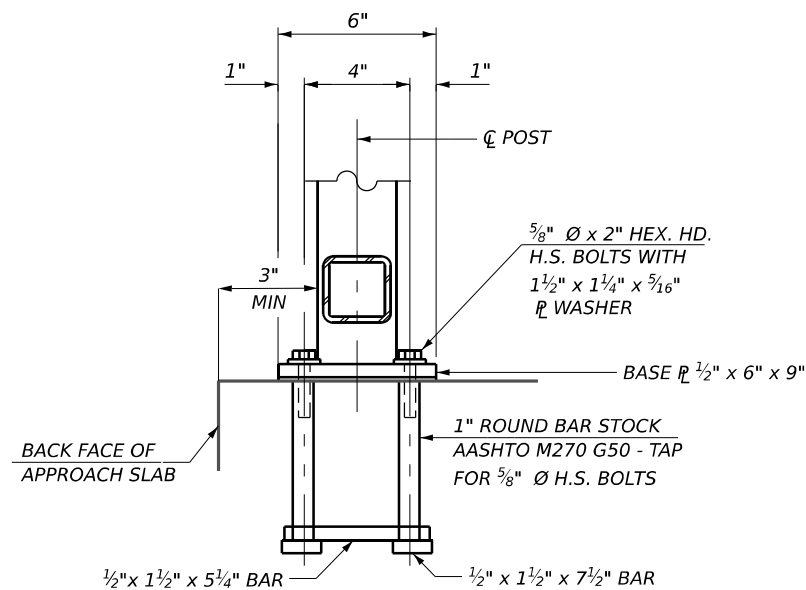
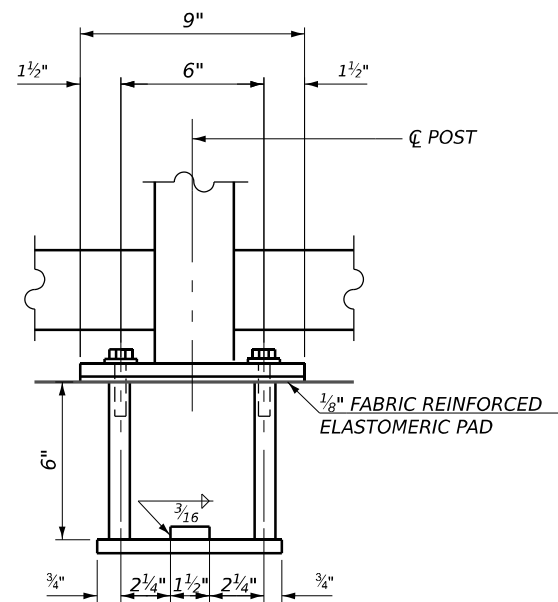
SECTION THRU SOUTH PARAPET



SECTION THRU NORTH PARAPET

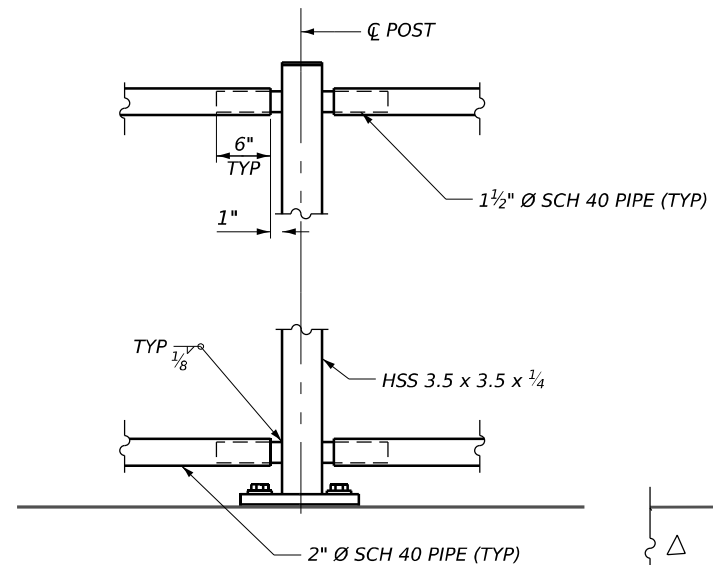


DECORATIVE STEEL RAILING ELEVATION
(INSIDE FACE)
AESTHETIC DETAILS TO BE COORDINATED WITH THE DISTRICT

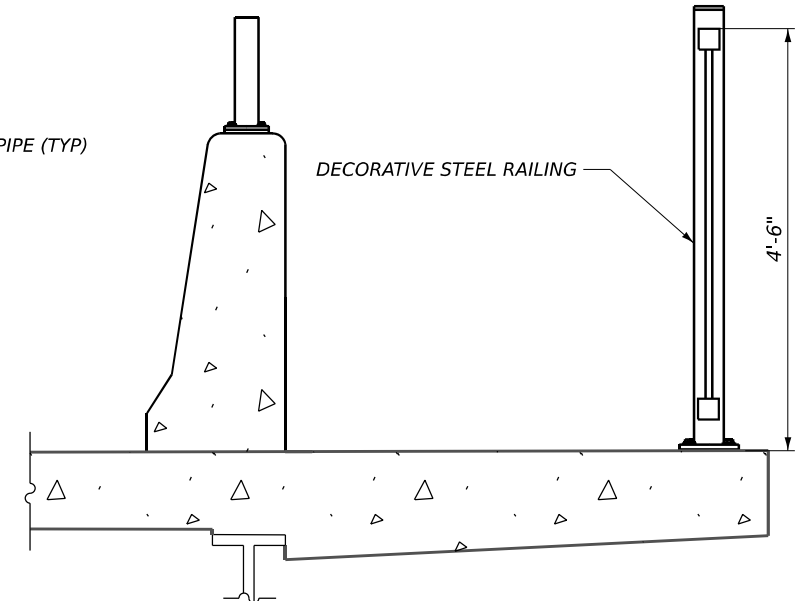


ANCHORAGE ASSEMBLY REQUIRED IN DECK REMOVAL AREAS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



DECORATIVE STEEL RAILING POST



SECTION THROUGH DECK

MODEL: BRIDGE FENCE (Sheet)
FILE NAME: H:\P\222064 - IDOT PTB 203 Item 48 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\Bridge\Microstation\B0978985-SHS-DistrictSide-19-21.dgn



USER NAME = Octavio.Ramirez
DESIGNED -
DRAWN -
CHECKED -
DATE -
PLOT DATE = 2/28/2025

DESIGNED -
REVISÉ -
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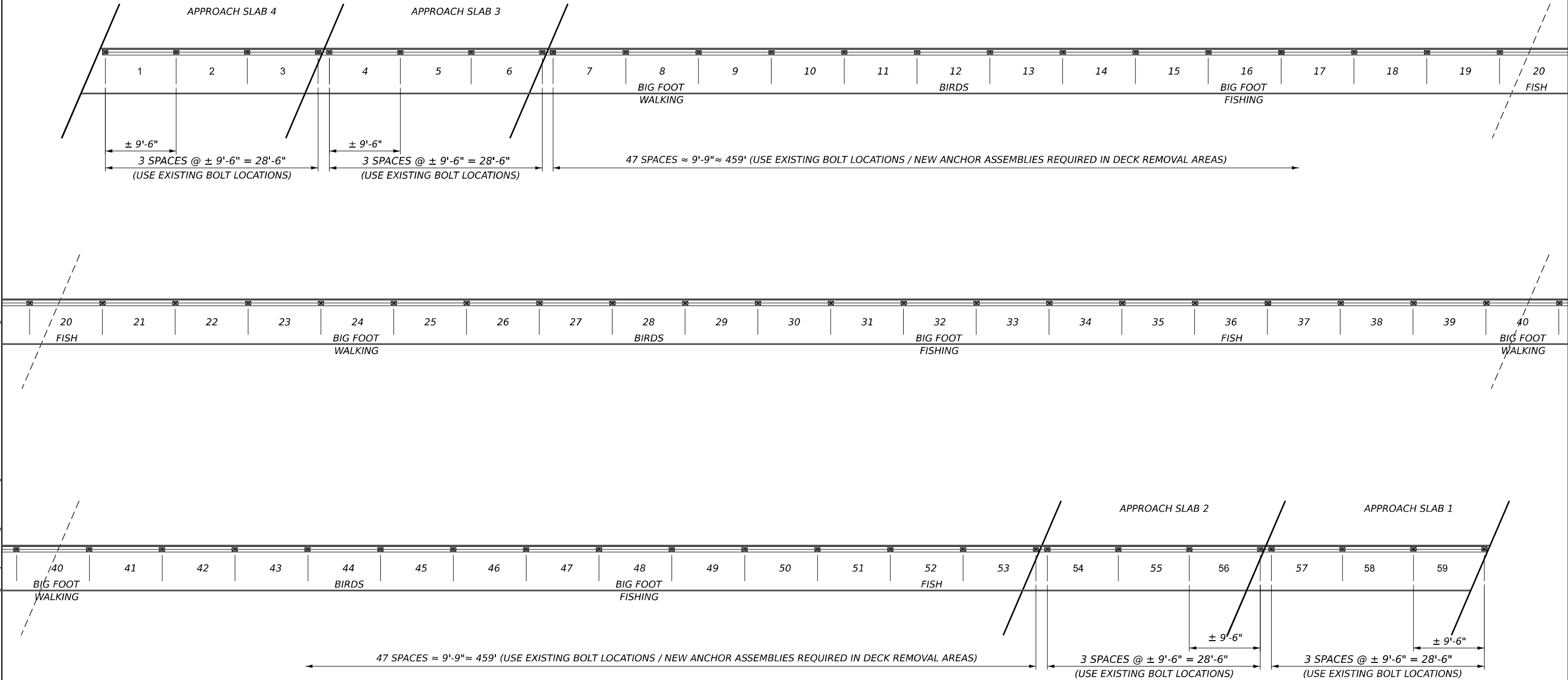
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECORATIVE STEEL RAILING
STRUCTURE NO. 039-0076 (W.B.)

SHEET 19 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	46
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

Note:
Plan dimensions and details relative to the existing structure have been taken from existing plans and 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.



DECORATIVE STEEL RAILING PLAN

MODEL: PANEL LAYOUT [Sheet]
FILE NAME: H:\P222064 - IDOT P2B 203 Item 49 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\Bridge\Microstation\B078985-SHS-District\Side-19-21.dgn



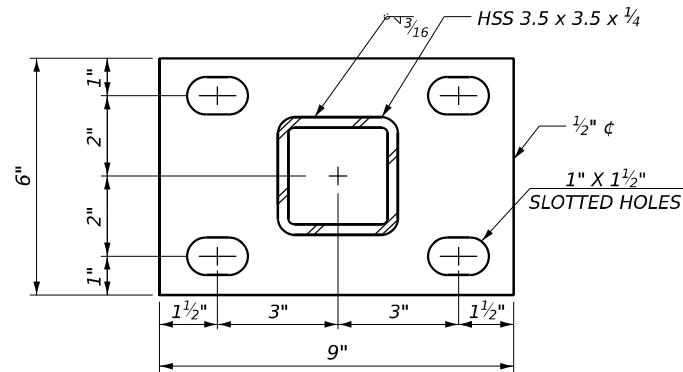
USER NAME = Octavio.Ramirez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 2/28/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

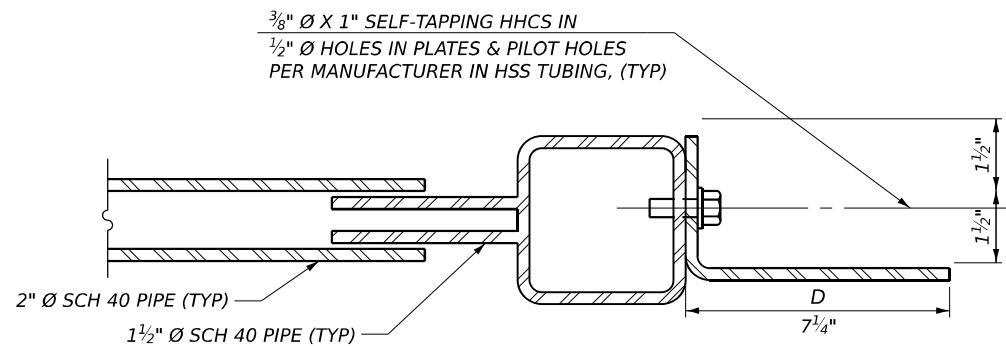
DECORATIVE STEEL RAILING
STRUCTURE NO. 039-0076 (W.B.)

SHEET 20 OF 31 SHEETS

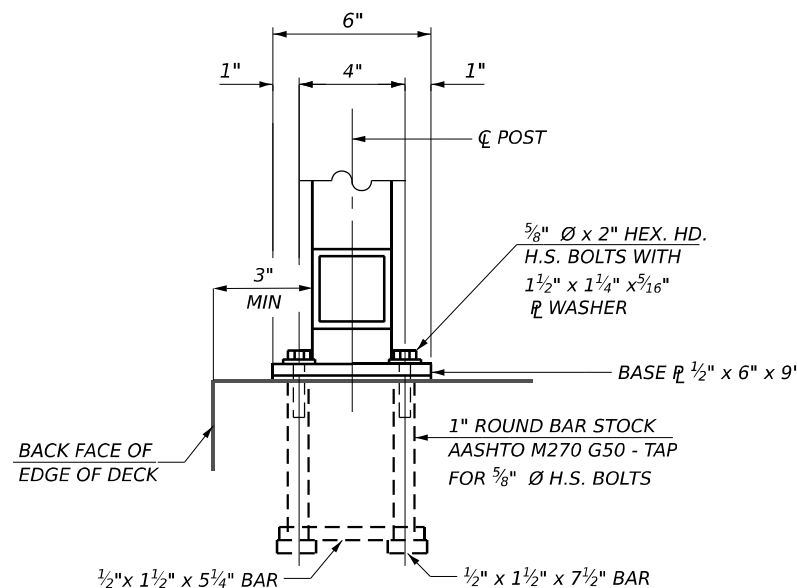
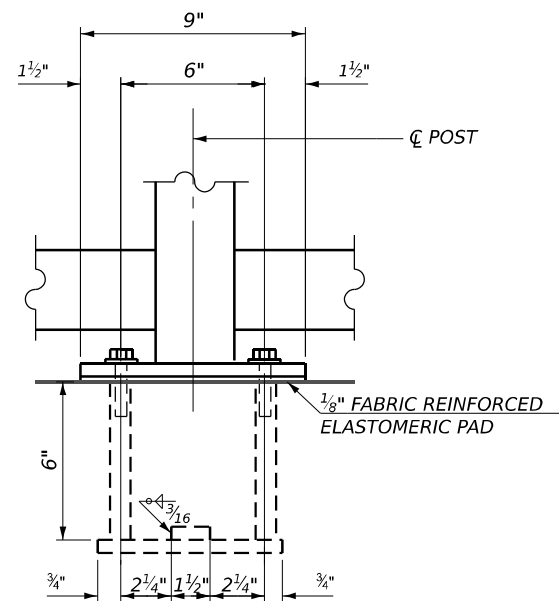
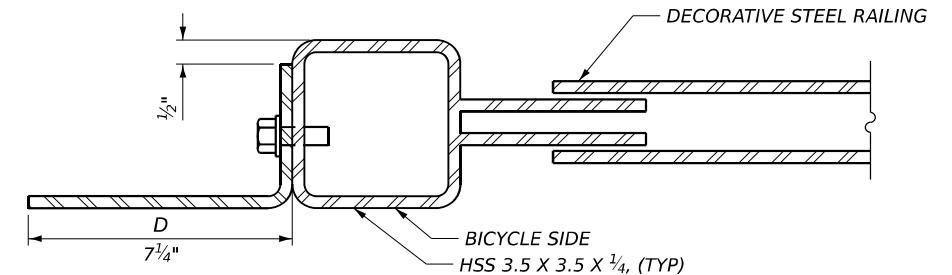
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	47
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				



SECTION A-A



SECTION B-B



ANCHOR BOLT DETAILS IN EXISTING BRIDGE DECK AND APPROACH SLABS

Notes:
Place reinforcement bars to miss anchor rod locations.
CVN testing is not required for the HSS tubing used in the Decorative Steel Railing.
All HSS tubing used for the Decorative Steel Railing shall be ASTM A500 grade C.
All base plates used for the Decorative Steel Railing shall be AASHTO M270 grade 50.
All heavy hex nuts shall be according to ASTM A 563 grade DH.
All fully threaded anchor rods shall be ASTM F1554 grade 105.
The post base plate shall be fastened to the curb snug tight and given an additional 1/8" turn.
A new elastomeric pad and hex nuts shall be placed at locations where existing anchor bolt holes are to be used.
All posts, rail splices, anchor devices, and plates of the railing shall be painted according to the special provisions.
If existing anchorage is damaged during removal of existing railing, the Contractor shall drill and set 5/8" dia. fully threaded anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications. Railing base plate shall be modified as needed with approval of the Engineer. Cost included with Decorative Steel Railing.

BILL OF MATERIAL

Item	Unit	Quantity
Decorative Steel Railing	Foot	573

MODEL: SECTIONS AND NOTES (Sheet)
FILE NAME: H:\P\222064 - IDOT FTB 203 Item 49 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\Bridges\Microstation\B978985-SHS-DistrictSide-19-21.dgn



USER NAME = jack.morra
DESIGNED -
DRAWN -
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DATE -
PLOT DATE = 5/5/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

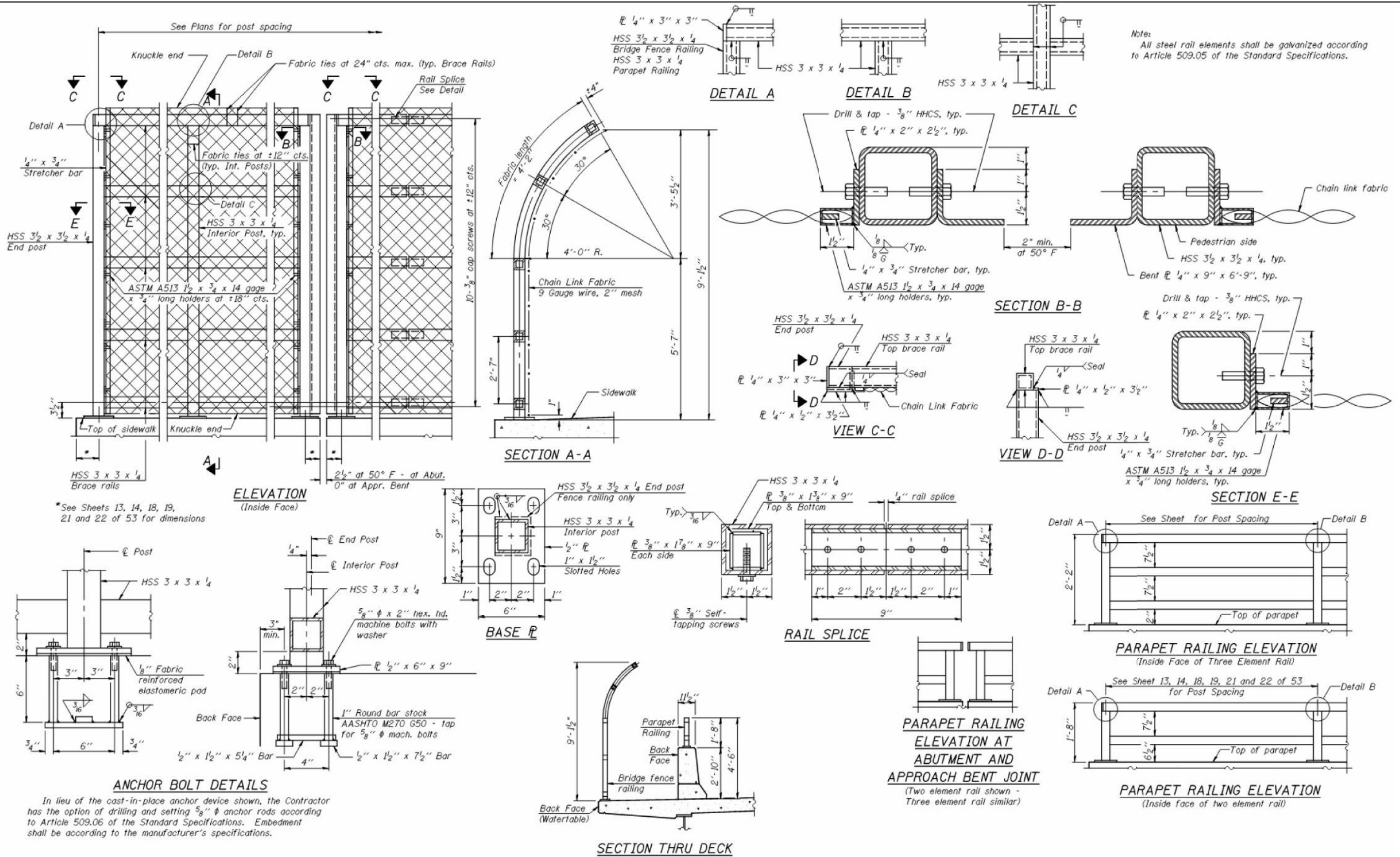
REVISED -
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECORATIVE STEEL RAILING
STRUCTURE NO. 039-0076 (W.B.)

SHEET 21 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	48
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

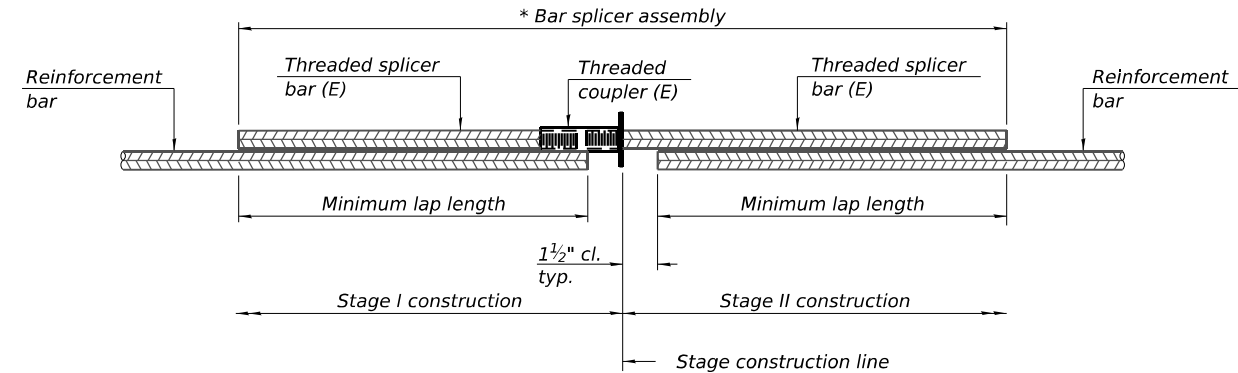


Note:
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

FOR INFORMATION ONLY

FILE NAME: H:\P222064- IDOT PBT 303 Rev. 49 Details 9-14-22\22064-024 - IL 13 Bay Muddy - Slide Milligan PSE Bridge\Microstation\0320075_0076-1885-02-29 Bridge Fence Railing - Stewak.dgn

FILE NAME: H:\P222064- DOT PTB 203 Rev 49 Details 9-14-22\22064_024 - IL 13 Big Muddy - Slide Millgallon PSE Bridge\Millgallon\0328075_0076-1885-42-4-Bar Splicer Details.dgn 3/13/2025 4:37:04 PM



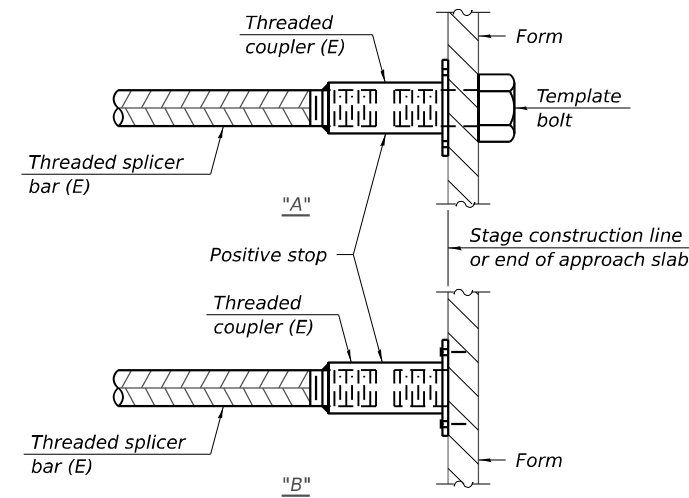
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

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

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

Location	Bar size	No. assemblies required	Minimum lap length

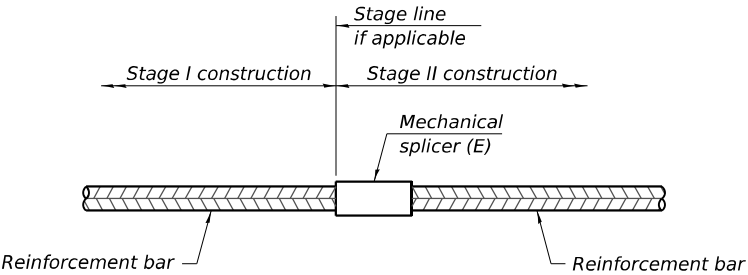


INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.

"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
Deck	#8	16

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

BSD-1 5-15-2023



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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = khol.pham	DESIGNED - KP	REVISED -
	CHECKED - DGL	REVISED -
PLOT SCALE = 0:2,0000 " = 1" / in.	DRAWN - KP	REVISED -
PLOT DATE = 3/13/2025	CHECKED - DGL	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 039-0075 (E.B.) & 039-0076 (W.B.)

SHEET 23 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	50
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				



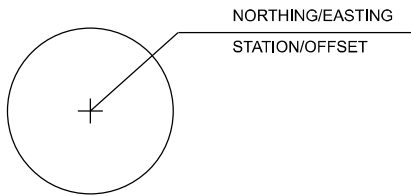
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 24 OF 31 SHEETS

ILLINOIS	FED. AID PROJECT
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1. LOCATION DATA FOR PILING IS REFERENCED TO CENTER OF PILE.
2. ESTIMATED FURNISH AND INSTALLED PILE LENGTHS ARE BASED OFF OF OPTION A AS DETAILED IN THE LARGE DIAMETER PIPE PILE SPECIAL PROVISION. THE CONTRACTOR MAY ACHIEVE ALTERNATE TIP ELEVATIONS OR REFUSAL CRITERIA DETAILED IN OPTIONS B OR C. THE CONTRACTOR SHALL BE PAID FOR THE ACTUAL INSTALLED PILE LENGTH.



PILING ROW A

PILE	CENTER OF PILE		APPX. GROUND ELEVATION	APPX. TOP OF ROCK ELEVATION	EST. FURNISH PILE LENGTH (FT)	EST. INSTALL PILE LENGTH (FT)	PILING	IL 13 WB ALIGNMENT	
	NORTHING	EASTING						STATION	STATION
A1	401235.096	2540316.066	354.9	288	72	67	+0.0	342+50.35	88.58' RT
A2	401236.104	2540326.0' 5	354.9	288	72	67	+10.00	342+40.71	87.47' RT
A3	401237.112	2540335.964	354.6	288	72	67	+20.00	342+31.07	86.39' RT
A4	401238.120	2540345.9' 3	354.5	288	72	67	+30.00	342+21.41	85.35' RT
A5	401239.127	2540355.862	354.4	288	72	67	+40.00	342+11.75	84.34' RT
A6	401240.135	2540365.8' 1	354.2	288	72	67	+50.00	342+02.08	83.37' RT
A7	401239.717	2540375.768	354.1	288	72	67	+60.00	341+92.66	81.03' RT
A8	401236.510	2540385.204	353.9	288	71	66	+70.00	341+84.25	76.08' RT
A9	401230.774	2540393.354	353.8	288	71	66	+80.00	341+77.49	68.91' RT
A10	401222.973	2540399.556	354.1	288	72	67	+90.00	341+72.96	60.09' RT
A11	401213.740	2540403.308	354.0	288	71	66	1+00.00	341+71.02	50.32' RT
A12	401203.825	2540404.306	355.3	288	73	68	1+10.00	341+71.86	40.39' RT
A13	401194.029	2540402.469	354.3	288	70	67	1+20.00	341+75.44	31.11' RT
A14	401184.563	2540399.245	353.6	288	69	66	1+30.00	341+80.33	22.42' RT
A15	401175.119	2540396.029	353.0	288	68	65	1+39.98	341+85.24	13.75' RT
A16	401165.665	2540392.809	352.9	288	68	65	1+49.96	341+90.19	5.08' RT
A17	401156.202	2540389.586	353.1	288	69	66	1+59.96	341+95.17	3.58' LT
A18	401146.730	2540386.360	353.3	288	69	66	1+69.97	342+00.18	12.25' LT
A19	401137.264	2540383.136	353.3	288	69	66	1+79.97	342+05.23	20.90' LT
A20	401127.802	2540379.9' 3	353.4	288	69	66	1+89.96	342+10.30	29.54' LT
A21	401118.340	2540376.691	353.4	288	69	66	1+99.96	342+15.40	38.17' LT
A22	401108.878	2540373.468	353.2	288	69	66	2+09.95	342+20.54	46.79' LT
A23	401099.412	2540370.244	352.9	288	68	65	2+19.95	342+25.71	55.41' LT
A24	401091.360	2540367.502	352.7	288	68	65	2+28.46	342+30.13	62.73' LT
A25	401083.302	2540364.758	352.1	288	68	65	2+36.97	342+34.58	70.05' LT
A26	401075.240	2540362.0' 2	351.8	288	67	64	2+45.49	342+39.05	77.37' LT
A27	401067.173	2540359.264	351.5	288	67	64	2+54.01	342+43.55	84.68' LT
A28	401057.707	2540356.040	351.5	288	67	64	2+64.01	342+48.86	93.26' LT
A29	401048.241	2540352.8' 6	351.7	288	69	64	2+74.01	342+54.21	101.82' LT
A30	401038.775	2540349.592	351.7	288	69	64	2+84.01	342+59.59	110.38' LT
A31	401029.552	2540345.748	351.8	288	69	64	2+94.01	342+65.58	118.55' LT
A32	401020.921	2540340.7' 1	352.2	288	70	65	3+04.01	342+72.68	125.87' LT
A33	401013.037	2540334.572	352.4	288	70	65	3+14.01	342+80.78	132.20' LT
A34	401006.039	2540327.439	352.5	288	70	65	3+24.01	342+89.72	137.43' LT
A35	401000.051	2540319.439	352.9	288	70	65	3+34.01	342+99.91	143.89' LT
A36	400995.180	2540310.7' 4	353.3	288	71	66	3+44.01	343+09.46	144.17' LT
A37	400991.512	2540301.4' 9	353.3	288	71	66	3+54.01	343+19.88	145.56' LT
A38	400989.112	2540291.7' 9	354.5	288	72	67	3+64.01	343+30.41	145.58' LT
A39	400986.966	2540281.931	354.8	288	72	67	3+74.02	343+40.97	145.31' LT
A40	400985.455	2540272.046	355.5	288	73	68	3+84.02	343+51.45	144.35' LT
				SUBTOTAL	2802	2634			

PILING ROW A		
DESCRIPTION	NORTHING	EASTING
POT STA 0+00.00	401,235.096	2,540,316.066
PC STA 0+50.00	401,240.135	2,540,365.811
PISTA 1+04.51	401,245.628	2,540,420.043
PT STA 1+20.00	401,194.029	2,540,402.469
PC STA 2+84.01	401,038.775	2,540,349.592
PISTA 3+28.29	400,996.859	2,540,335.317
PT STA 3+64.01	400,989.112	2,540,291.719
POT STA 3+84.02	400,985.611	2,540,272.018

PILING ROW B		
DESCRIPTION	NORTHING	EASTING
POT STA 5+00.00	401,251.181	2,540,326.017
PC STA 5+38.48	401,255.059	2,540,364.299
PISTA 6+16.35	401,262.906	2,540,441.773
PT STA 6+38.48	401,189.193	2,540,416.668
PC STA 8+02.49	401,033.939	2,540,363.791
PISTA 8+40.27	400,998.173	2,540,351.610
POT STA 8+74.03	400,981.821	2,540,317.549

PILING ROW C		
DESCRIPTION	NORTHING	EASTING
POT STA 10+00.00	401,302.375	2,540,764.530
PC STA 10+80.00	401,296.312	2,540,684.760
PI STA 11+19.60	401,293.310	2,540,645.277
PT STA 11+50.00	401,255.828	2,540,632.511
PC STA 13+22.20	401,092.822	2,540,576.995
PI STA 13+66.48	401,050.906	2,540,562.719
POT STA 14+02.20	401,018.159	2,540,592.524

BORING/CPT			
DESCRIPTION	ELEVATION	NORTHING	EASTING
1-S	383.2	401176.483	2540715.045
2-S	354.4	401231.137	2540615.207
3-S *	353.7	401090.573	2540592.461
4-S	351.7	401196.604	2540416.833
5-S *	351.6	401112.877	2540393.078
6-S	383.0	401087.938	2540265.754
B-101	363.0	401053.432	2540662.327
B-103	383.0	401149.128	2540274.423
B-104	383.0	401070.638	2540224.291
B-241	352.6	401015.078	2540326.479
B-242	355.0	401203.517	2540360.808
B-243	383.0	401088.545	2540232.557
B-244	353.0	401075.951	2540615.670
B-245	355.6	401252.594	2540643.947
CPT-241	352.5	401039.010	2540352.363
CPT-242	353.6	401114.996	2540366.054
CPT-243AA	354.4	401216.019	2540369.754
CPT-244	356.2	400986.563	2540270.828
CPT-245	383.0	401086.680	2540228.029
CPT-246	383.9	401129.576	2540179.703
CPT-247	382.7	401063.349	2540141.057
CPT-248	354.1	401059.164	2540600.938
CPT-249	355.9	401265.101	2540648.405
CPT-2410	382.4	401119.853	2540796.056
H-1	351.7	401050.989	2540376.944
H-2	373.1	401097.346	2540281.257
H-3	353.9	401203.219	2540416.670
H-4	354.0	401163.570	2540612.822
H-5	352.0	401124.788	2540358.109



ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME	= jack.morra
PLOT SCALE	= 0:2.0000'
PLOT DATE	= 4/28/2025

DESIGNED	-	KP
CHECKED	-	DGL
DRAWN	-	KP
CHECKED	-	DGL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PILING LAYOUT
STRUCTURE NO. 039-0075 (E.B.) & 039-0076 (W.B.)

SHEET 25 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	52
		CONTRACT NO. 78985		
ILLINOIS		FED. AID PROJECT		

ILLINOIS	FED. AID PROJECT
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FILE NAME: H:\P\222064 - DOT PTB 203 Item 40 Details 9 1A\222064.024 - IL 13 Big Muddy - Siles Millipollen PSE Bridge\Microstation\030075_0076\030075-0076.dgn
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PILING ROW B

PILE	CENTER OF PILE		APPX. GROUND ELEVATION	APPX. TOP OF ROCK ELEVATION	EST. FURNISH PILE LENGTH (FT)	EST. INSTALL PILE LENGTH (FT)	PILING	IL 13 WB ALIGNMENT	
	NORTHING	EASTING					STATION	STATION	OFFSET
B1	401251.181	2540326.0'7	354.3	288	72	67	5+00.00	342+37.67	102.21' RT
B2	401252.189	2540335.966	354.1	288	72	67	5+10.00	342+28.07	101.15' RT
B3	401253.197	2540345.9'6	353.8	288	71	66	5+20.00	342+18.46	100.12' RT
B4	401254.204	2540355.865	353.4	288	71	66	5+30.00	342+08.85	99.12' RT
B5	401255.189	2540365.8'6	353.0	288	70	65	5+40.00	341+99.23	98.13' RT
B6	401254.895	2540375.795	353.5	288	71	66	5+50.00	341+89.82	95.92' RT
B7	401252.623	2540385.5'6	353.2	288	71	66	5+60.00	341+80.99	91.84' RT
B8	401248.466	2540394.593	353.4	288	71	66	5+70.00	341+73.10	86.06' RT
B9	401242.589	2540402.663	353.4	288	71	66	5+80.00	341+66.44	78.80' RT
B10	401235.225	2540409.404	353.2	288	71	66	5+90.00	341+61.29	70.33' RT
B11	401226.669	2540414.548	353.0	288	70	65	6+00.00	341+57.86	60.98' RT
B12	401217.261	2540417.889	353.6	288	71	66	6+10.00	341+56.30	51.13' RT
B13	401207.378	2540419.295	354.0	288	71	66	6+20.00	341+56.69	41.15' RT
B14	401197.411	2540418.7'0	353.7	288	69	66	6+30.00	341+59.03	31.46' RT
B15	401187.753	2540416.178	353.6	288	69	66	6+40.00	341+63.23	22.42' RT
B16	401178.341	2540412.972	353.5	288	69	66	6+49.94	341+68.08	13.75' RT
B17	401168.919	2540409.763	353.1	288	69	66	6+59.90	341+72.95	5.08' RT
B18	401159.489	2540406.551	352.9	288	68	65	6+69.86	341+77.86	3.58' LT
B19	401150.049	2540403.336	353.0	288	68	65	6+79.83	341+82.81	12.25' LT
B20	401140.583	2540400.1'2	353.4	288	69	66	6+89.83	341+87.80	20.93' LT
B21	401131.043	2540396.863	353.7	288	69	66	6+99.91	341+92.86	29.67' LT
B22	401121.503	2540393.6'4	353.7	288	69	66	7+09.99	341+97.95	38.71' LT
B23	401111.963	2540390.365	353.2	288	69	66	7+20.06	342+03.08	47.13' LT
B24	401102.497	2540387.141	353.3	288	69	66	7+30.06	342+08.19	55.78' LT
B25	401094.466	2540384.406	353.0	288	68	65	7+38.55	342+12.56	63.11' LT
B26	401086.429	2540381.669	352.6	288	68	65	7+47.04	342+16.95	70.43' LT
B27	401078.388	2540378.930	352.0	288	67	64	7+55.53	342+21.37	77.76' LT
B28	401070.341	2540376.189	351.7	288	67	64	7+64.03	342+25.81	85.08' LT
B29	401060.875	2540372.965	352.3	288	68	65	7+74.03	342+31.07	93.69' LT
B30	401051.409	2540369.741	351.8	288	69	64	7+84.03	342+36.36	102.28' LT
B31	401041.943	2540366.5'7	351.6	288	69	64	7+94.03	342+41.68	110.87' LT
B32	401032.482	2540363.281	351.6	288	69	64	8+04.03	342+47.04	119.45' LT
B33	401023.279	2540359.380	352.1	288	70	65	8+14.03	342+53.07	127.61' LT
B34	401014.567	2540354.482	352.2	288	70	65	8+24.03	342+60.04	135.07' LT
B35	401006.451	2540348.649	352.2	288	70	65	8+34.03	342+67.88	141.73' LT
B36	400999.032	2540341.952	352.0	288	69	64	8+44.03	342+76.48	147.50' LT
B37	400992.401	2540334.473	352.1	288	70	65	8+54.03	342+85.73	152.30' LT
B38	400986.640	2540326.305	353.3	288	71	66	8+64.03	342+95.52	156.06' LT
B39	400981.821	2540317.549	352.9	288	70	65	8+74.03	343+05.71	158.75' LT
					SUBTOTAL	2715	2552		

PILING ROW C

PILE	CENTER OF PILE		APPX. GROUND ELEVATION	APPX. TOP OF ROCK ELEVATION	EST. FURNISH PILE LENGTH (FT)	EST. INSTALL PILE LENGTH (FT)	PILING	IL 13 WB ALIGNMENT	
	NORTHING	EASTING					STATION	STATION	OFFSET
C1	401302.375	2540764.530	363.5	289	80	75	10+00.00	338+10.54	94.15' RT
C2	401301.617	2540754.559	363.2	289	80	75	10+10.00	338+20.22	94.00' RT
C3	401300.859	2540744.587	363.2	289	80	75	10+20.00	338+29.90	93.89' RT
C4	401300.101	2540734.6'6	362.8	289	79	74	10+30.00	338+39.58	93.81' RT
C5	401299.359	2540724.856	362.1	289	79	74	10+40.00	338+49.06	93.77' RT
C6	401298.585	2540714.674	361.1	289	78	73	10+50.00	338+58.94	93.76' RT
C7	401297.827	2540704.702	360.1	289	77	72	10+60.00	338+68.63	93.78' RT
C8	401297.069	2540694.731	359.2	289	76	71	10+70.00	338+78.31	93.84' RT
C9	401296.312	2540684.760	358.0	289	74	69	10+80.00	338+87.99	93.93' RT
C10	401294.728	2540674.898	357.0	289	73	68	10+90.00	338+97.64	93.23' RT
C11	401291.530	2540665.435	356.5	289	73	68	11+00.00	339+07.05	90.91' RT
C12	401286.807	2540656.634	356.2	289	73	68	11+10.00	339+15.98	87.04' RT
C13	401280.689	2540648.738	356.4	289	73	68	11+20.00	339+24.19	81.73' RT
C14	401273.347	2540641.967	356.2	289	73	68	11+30.00	339+31.47	75.10' RT
C15	401264.982	2540636.508	356.4	289	73	68	11+40.00	339+37.60	67.34' RT
C16	401255.828	2540632.511	355.6	289	72	67	11+50.00	339+42.43	58.66' RT
C17	401246.362	2540629.288	356.1	289	73	68	11+60.00	339+46.57	49.59' RT
C18	401236.896	2540626.064	355.0	289	71	66	11+70.00	339+50.72	40.52' RT
C19	401227.430	2540622.840	356.0	289	70	67	11+80.00	339+54.91	31.47' RT
C20	401217.964	2540619.616	354.4	289	69	66	11+90.00	339+59.12	22.42' RT
C21	401208.893	2540616.526	353.9	289	68	65	11+98.80	339+63.18	13.75' RT
C22	401199.817	2540613.435	354.6	289	69	66	12+09.17	339+67.27	5.08' RT
C23	401190.734	2540610.342	354.3	289	69	66	12+18.77	339+71.39	3.58' LT
C24	401181.646	2540607.246	354.1	289	69	66	12+28.37	339+75.53	12.25' LT
C25	401172.024	2540603.969	353.9	289	68	65	12+38.53	339+79.95	21.42' LT
C26	401162.403	2540600.693	353.4	289	68	65	12+48.69	339+84.39	30.58' LT
C27	401152.782	2540597.416	353.1	289	68	65	12+58.86	339+88.86	39.73' LT
C28	401143.161	2540594.139	352.6	289	67	64	12+69.02	339+93.36	48.88' LT
C29	401133.540	2540590.862	352.6	289	67	64	12+79.19	339+97.89	58.02' LT
C30	401125.732	2540588.203	352.3	289	67	64	12+87.43	340+01.59	65.43' LT
C31	401117.921	2540585.543	352.6	289	67	64	12+95.69	340+05.31	72.84' LT
C32	401110.107	2540582.881	352.6	289	67	64	13+03.94	340+09.05	80.25' LT
C33	401102.288	2540580.219	351.7	289	66	63	13+12.20	340+12.82	87.66' LT
C34	401092.822	2540576.995	352.5	289	67	64	13+22.20	340+17.40	96.62' LT
C35	401083.170	2540574.410	352.9	289	69	64	13+32.20	340+21.38	105.85' LT
C36	401073.259	2540573.132	353.1	286	73	68	13+42.20	340+24.08	115.50' LT
C37	401063.267	2540573.183	353.5	286	73	68	13+52.20	340+25.42	125.41' LT
C38	401053.370	2540574.561	354.0	286	73	68	13+62.20	340+25.39	135.40' LT
C39	401043.744	2540577.244	354.9	286	74	69	13+72.20	340+23.95	145.30' LT
C40	401034.560	2540581.182	355.7	286	75	70	13+82.20	340+21.12	154.93' LT
C41	401025.981	2540586.305	356.6	286	76	71	13+92.20	340+16.95	164.11' LT
C42	401018.159	2540592.524	356.4	286	76	71	14+02.20	340+11.48	172.67' LT
					SUBTOTAL	3032	2854		



USER NAME = jack.morra	DESIGNED - KP	REVISED - _____
	CHECKED - DGL	REVISED - _____
PLOT SCALE = 0:2,000' = 1" / 16'	DRAWN - KP	REVISED - _____
PLOT DATE = 4/28/2025	CHECKED - DGL	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PILING LAYOUT
STRUCTURE NO. 039-0075 (E.B.) & 039-0076 (W.B.)

SHEET 26 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	53
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

FILE NAME: H:\P\222064- DOT PTB 303 Rev. 49 Details 9 1A\222064_024 - IL 13 Big Muddy - Slide Millipollen PSE Bridge\Microstation\0320075_0076-1885-07-24Rls Details.dgn
3/13/2025 4:37:25 PM



USER NAME	= khol.pham
PLOT SCALE	= 0:2,0000 " = 1' / in.
PLOT DATE	= 3/13/2025

DESIGNED	- KP
CHECKED	- DGL
DRAWN	- KP
CHECKED	- DGL

REVISED	-
REVISED	-
REVISED	-
REVISED	-

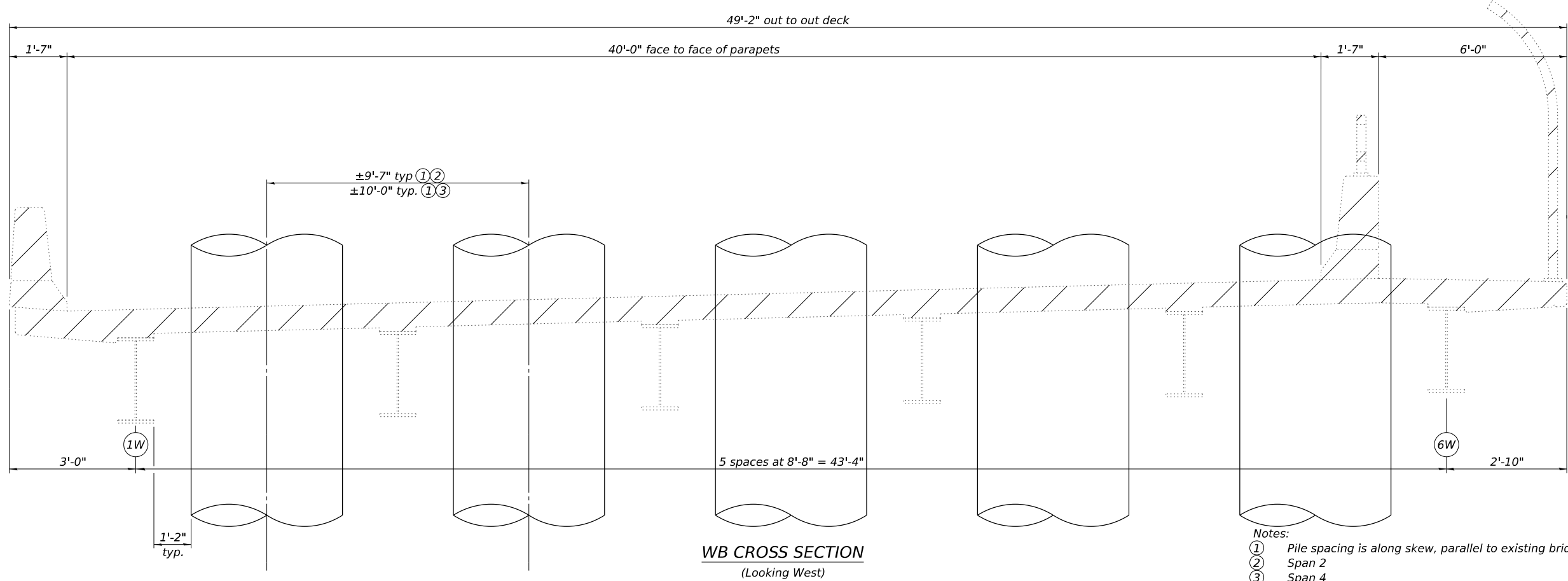
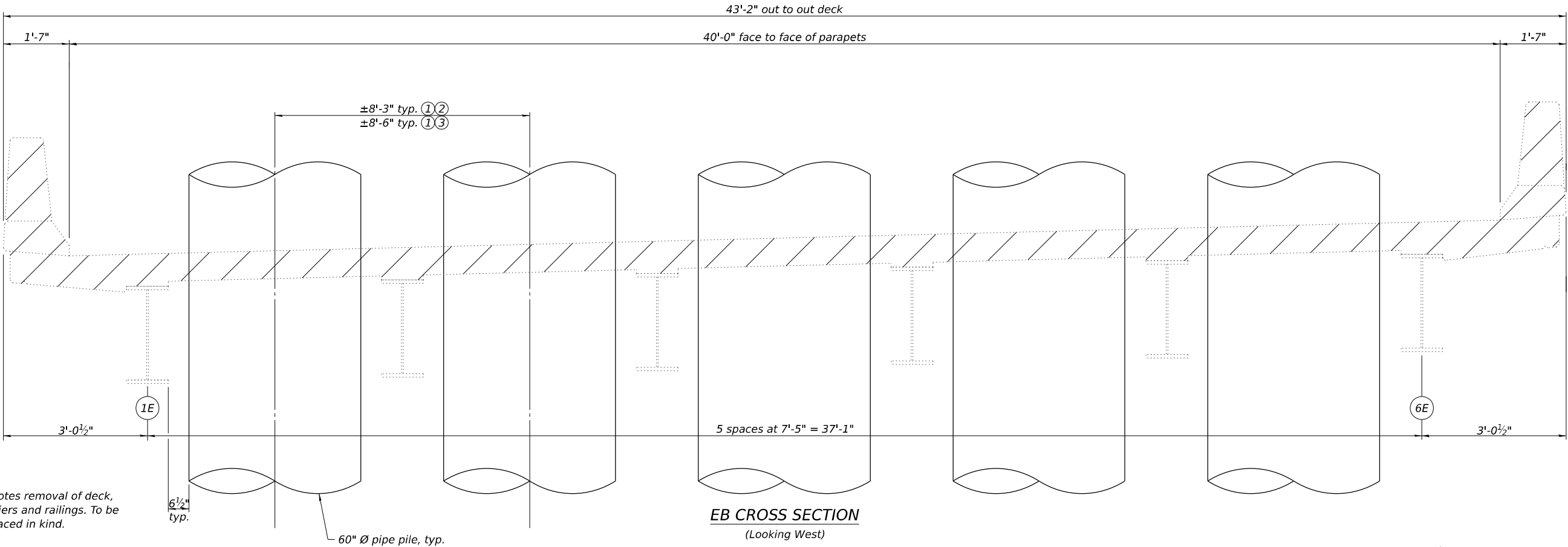
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PILE DETAILS
STRUCTURE NO. 039-0075 (E.B.) & 039-0076 (W.B.)

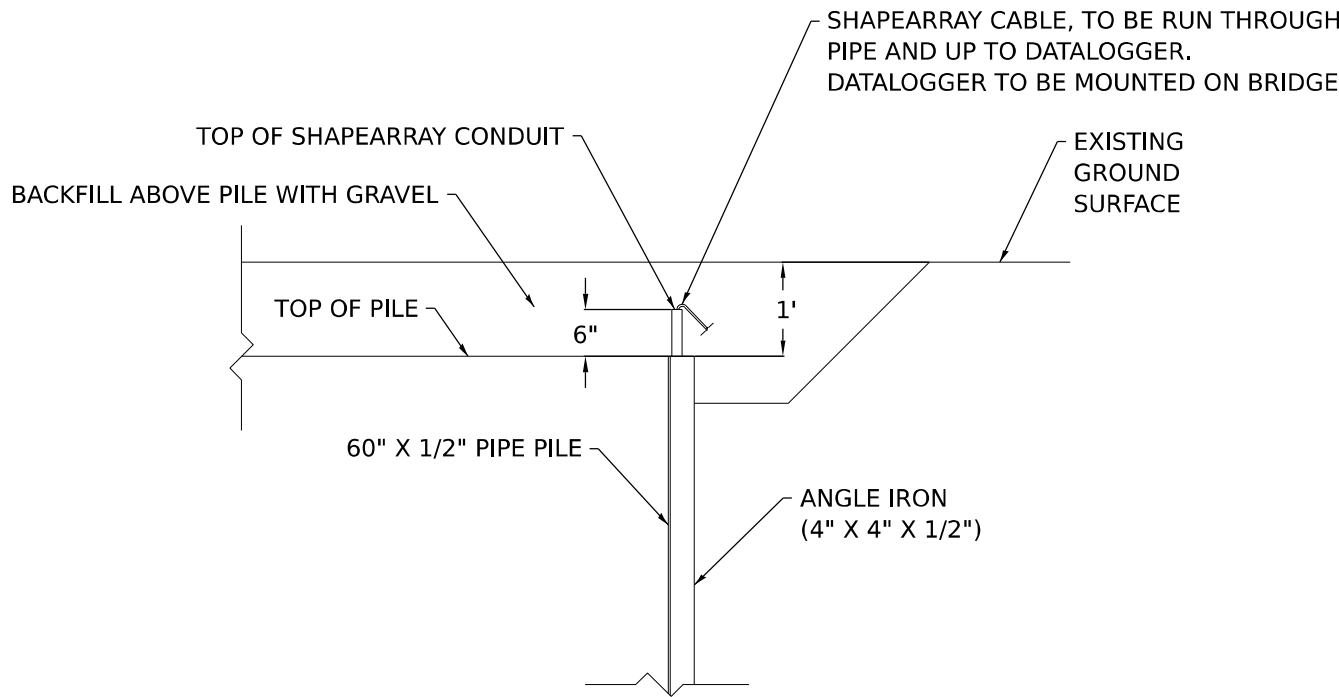
SHEET 27 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	54
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

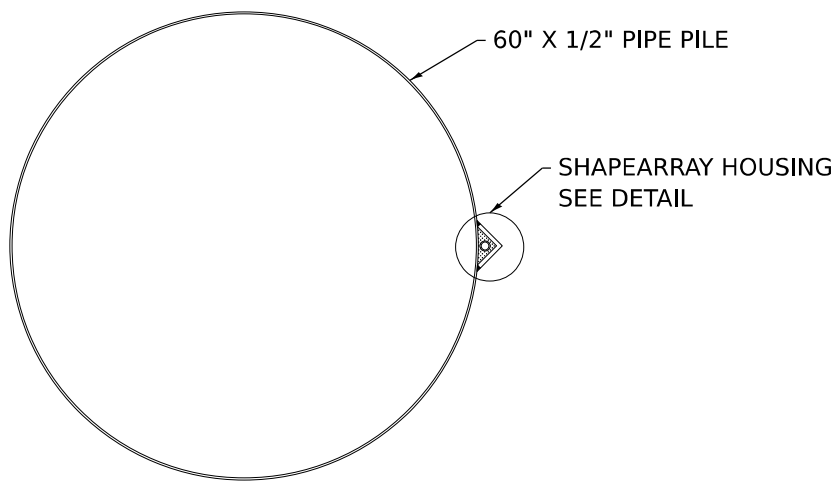
Denotes removal of deck, barriers and railings. To be replaced in kind.



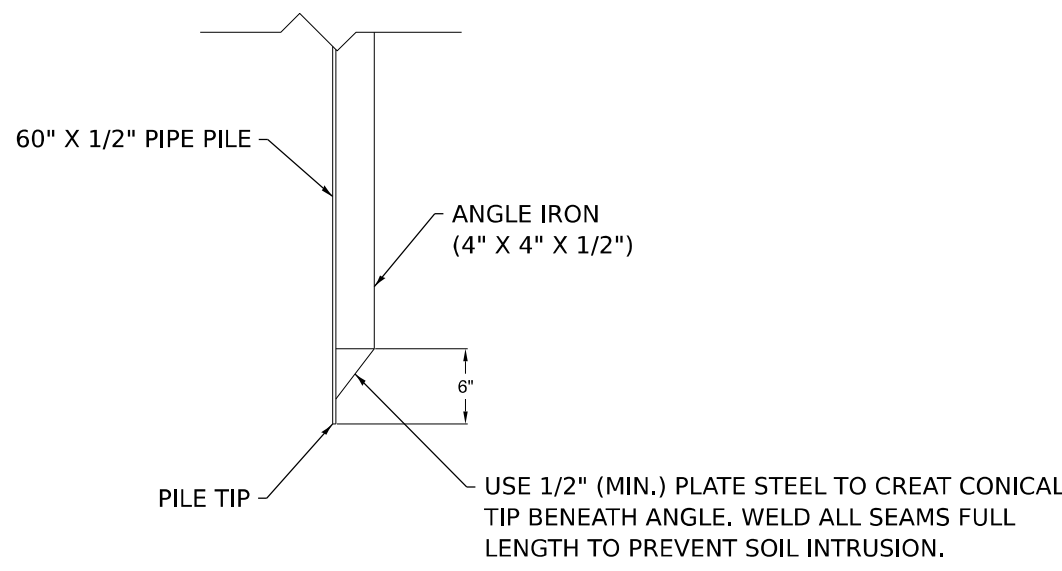
Notes:
① Pile spacing is along skew, parallel to existing bridge substructure skew.
② Span 2
③ Span 4



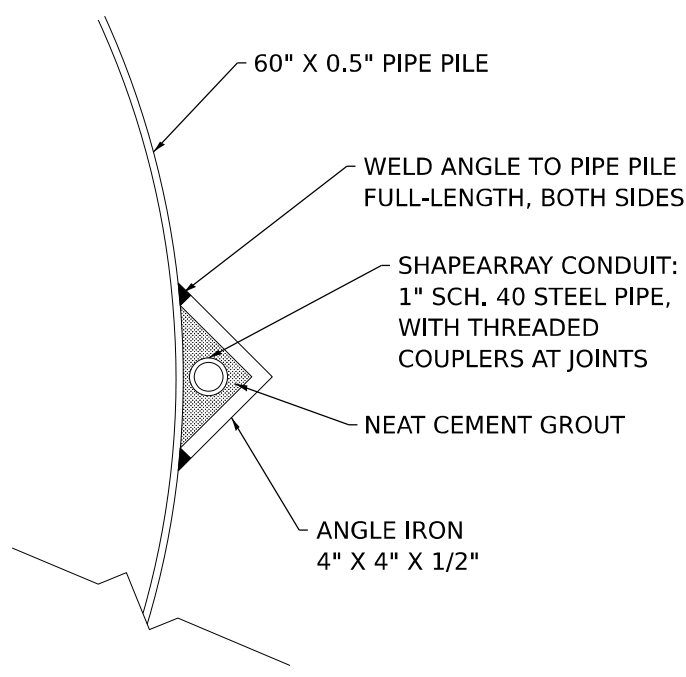
TOP OF PILE DETAIL



CROSS-SECTION OF MONITORING PILE



BOTTOM OF PILE DETAIL



- NOTE:
1. SHAPEARRAY HOUSING TO BE INSTALLED ON SELECT MONITORING PILES IN ACCORDANCE WITH PIPE PILE MONITORING EQUIPMENT SPECIAL PROVISION.
 2. SHAPEARRAY HOUSING SHALL BE COVERED OR CAPPED PRIOR TO FILLING TO PREVENT SAND AND AGGREGATE FROM ENTERING ASSEMBLY.
 3. IF A PILE INSTALLATION SYSTEM OTHER THAN IMPACT OR VIBRATORY DRIVING IS USED, THE CONTRACTOR SHALL PROPOSE ALTERNATIVE MONITORING PILE DETAILS TO BE APPROVED BY THE ENGINEER.

SHAPEARRAY HOUSING DETAIL

FILE NAME: H:\P222064- DOT PTB 203 Rev. 49 Details 9 1A\222064_024 - IL 13 Big Muddy - Slide Millipollen PSE Bridge\Monitoring\0320075_0076-78985-40-24-11a Details.dgn 4/28/2025 4:28:53 PM



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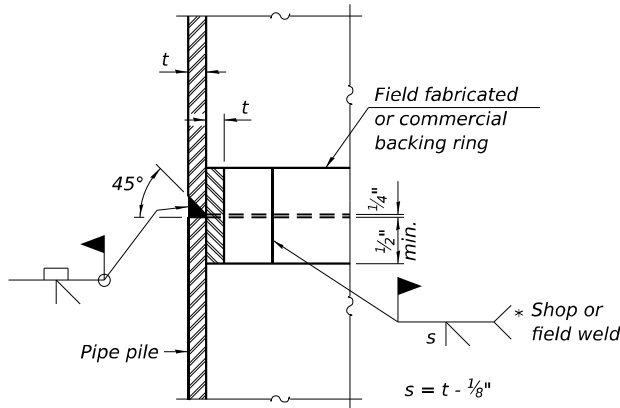
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PLOT DATE = 4/28/2025	CHECKED - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PILE DETAILS
STRUCTURE NO. 039-0075 (E.B.) & 039-0076 (W.B.)

SHEET 28 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	55
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				



COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.

FILE NAME: H:\P222064-DOT PTB 203 Item 40 Details 9 1A\222064_024 - IL 13 Big Muddy - Slide Millipollen PSE Bridge\Microstation\0320075_0076-78985-024-Pile Details.dgn
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USER NAME = khol.pham	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE = 0:2,0000 " = 1" / in.	DRAWN -	REVISED -
PLOT DATE = 3/13/2025	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PILE DETAILS
STRUCTURE NO. 039-0075 (E.B.) & 039-0076 (W.B.)

SHEET 29 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	56
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

FILE NAME: H:\P222064-DOT PTB 203 Item 40 Details 9\A\222064_024 - IL 13 Big Muddy - Slide Mitigation PSE Bridge\Microstation\032075_0076-7885-CD-Blank Page.dgn 3/13/2025 4:37:26 PM



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PLOT SCALE = 0:2,0000 " = 1" / in.	DRAWN -	REVISED -
PLOT DATE = 3/13/2025	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BLANK SHEET
STRUCTURE NO. 039-0075 (E.B.) & 039-0076 (W.B.)

SHEET 30 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	57
CONTRACT NO. 78985				
		ILLINOIS	FED. AID PROJECT	

FILE NAME: H:\P\222064-DOT PTB 203 Item 40 Details 9\A\222064_024 - IL 13 Big Muddy - Slide Mitigation PSE Bridge\Microstation\039075_0076-7895-00-Blank Page.dgn

SHEET INTENTIONALLY LEFT BLANK



ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME	= khol.pham	DESIGNED	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT SCALE	= 0:2,0000 " = 1" / in.	DRAWN	-	REVISED	-
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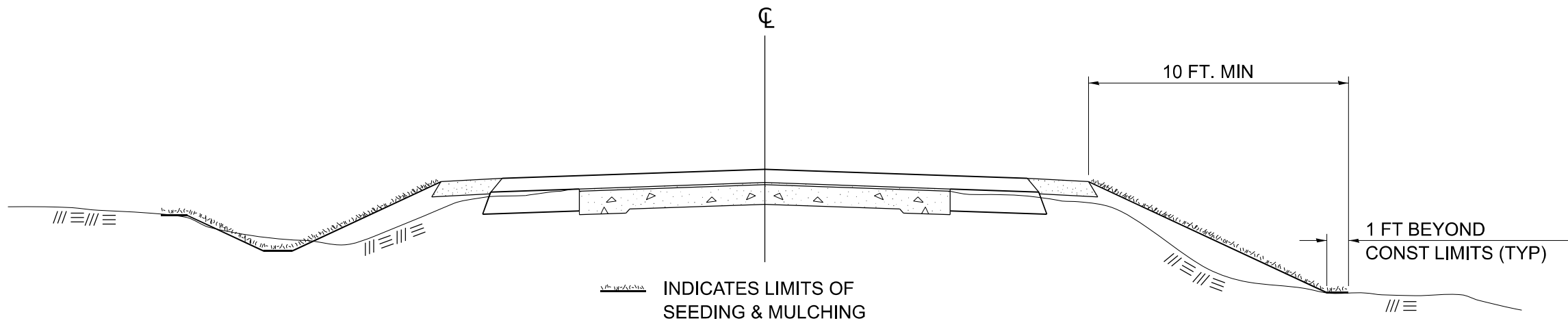
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BLANK SHEET
STRUCTURE NO. 039-0075 (E.B.) & 039-0076 (W.B.)

SHEET 31 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	58
CONTRACT NO. 78985				
		ILLINOIS	FED. AID PROJECT	

SEEDING & MULCHING



GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

ON DETOUR ROADS, SLOPES SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF ANY GIVEN STAGE GRADING. TEMPORARY SEEDING SHALL BE CLASS 7.

FERTILIZER NUTRIENTS SHALL BE APPLIED TO ALL SEEDED AREAS.
LIMESTONE SHALL BE APPLIED TO ALL AREAS OF FINAL SEEDING.

THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR ROAD AND BRIDGE CONSTRUCTION.

SECTIONS 250 AND 251 SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

STD. 9-19

DRAWN	02-15-89
REVISED	03-27-08
REVISED	10-21-21
REVISED	05-27-22

MODEL: DETAIL-1 [Sheet]
FILE NAME: H:\P222064 - DOT PTB 203 Item 49 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-sht-details.dgn



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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SEEDING & MULCHING
CONSTRUCTION DETAILS

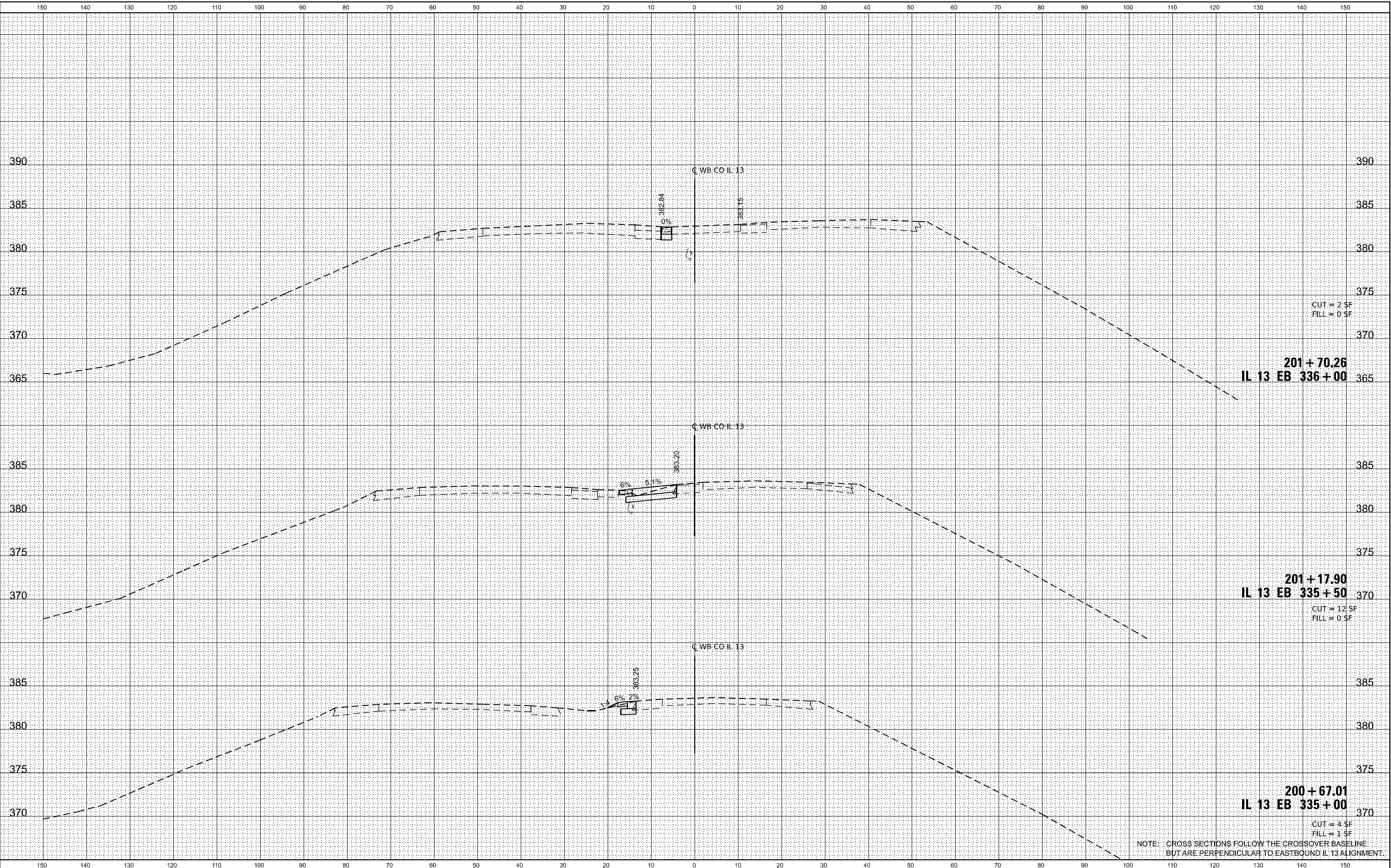
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	59
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: xsec-1 (Sheet)
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NOTE: CROSS SECTIONS FOLLOW THE CROSSOVER BASELINE
BUT ARE PERPENDICULAR TO EASTBOUND IL 13 ALIGNMENT.



USER NAME = jack.morra	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 13 WESTBOUND CROSSOVER
CROSS SECTIONS

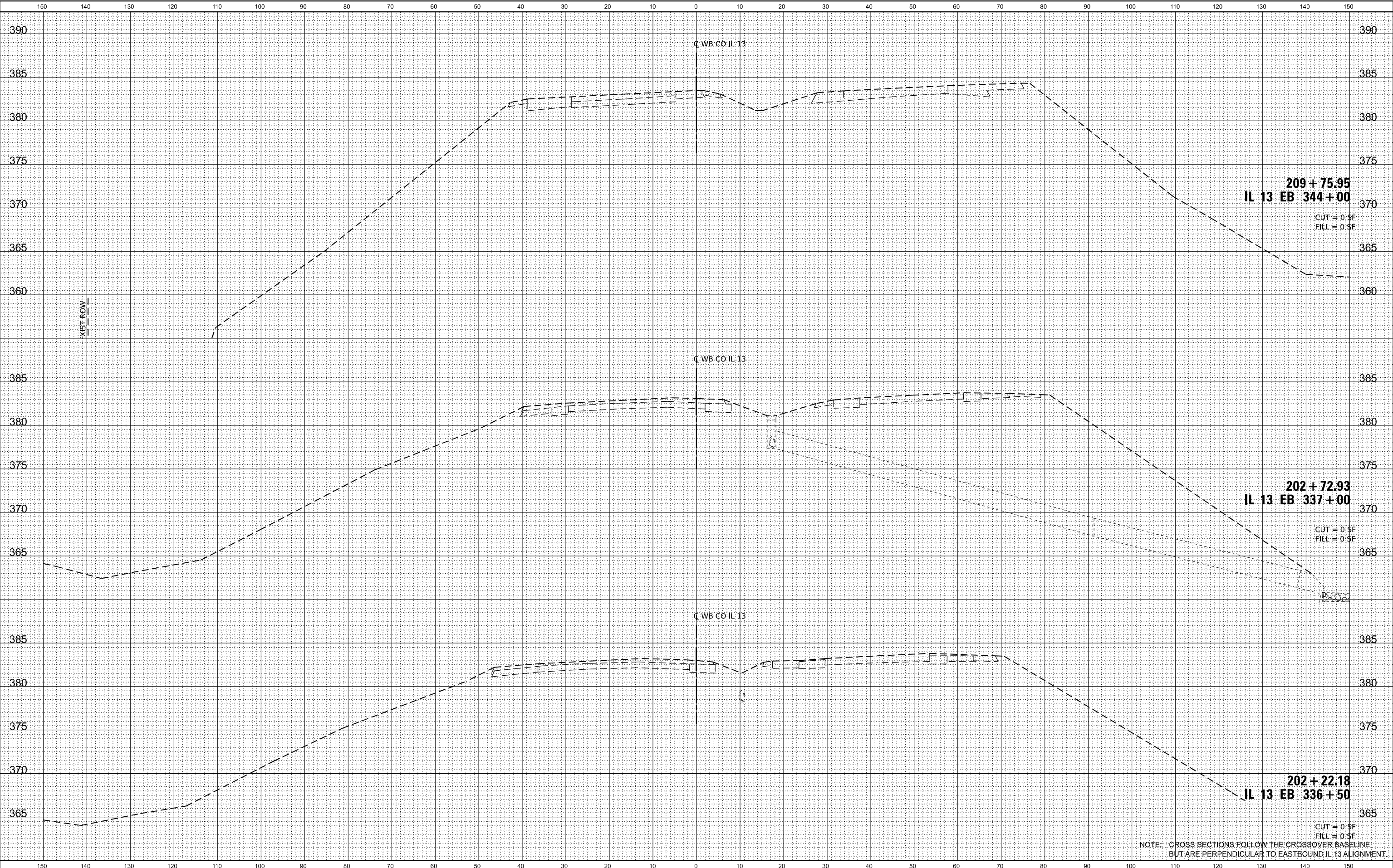
SCALE: SHEET 1 OF 8 SHEETS STA. 200+67.01 TO STA. 201+70.26

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	60
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: xsec-2 (Sheet)
FILE NAME: R1P222064 - IDOT PTB 203 Item 49 Driller 9 V-V2222064.024 - IL 13 Big Muddy - Slide Mitigation PSE/CADD/Microstation/CADD Drawings/78985-slp-west.dgn





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	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 13 WESTBOUND CROSSOVER
CROSS SECTIONS

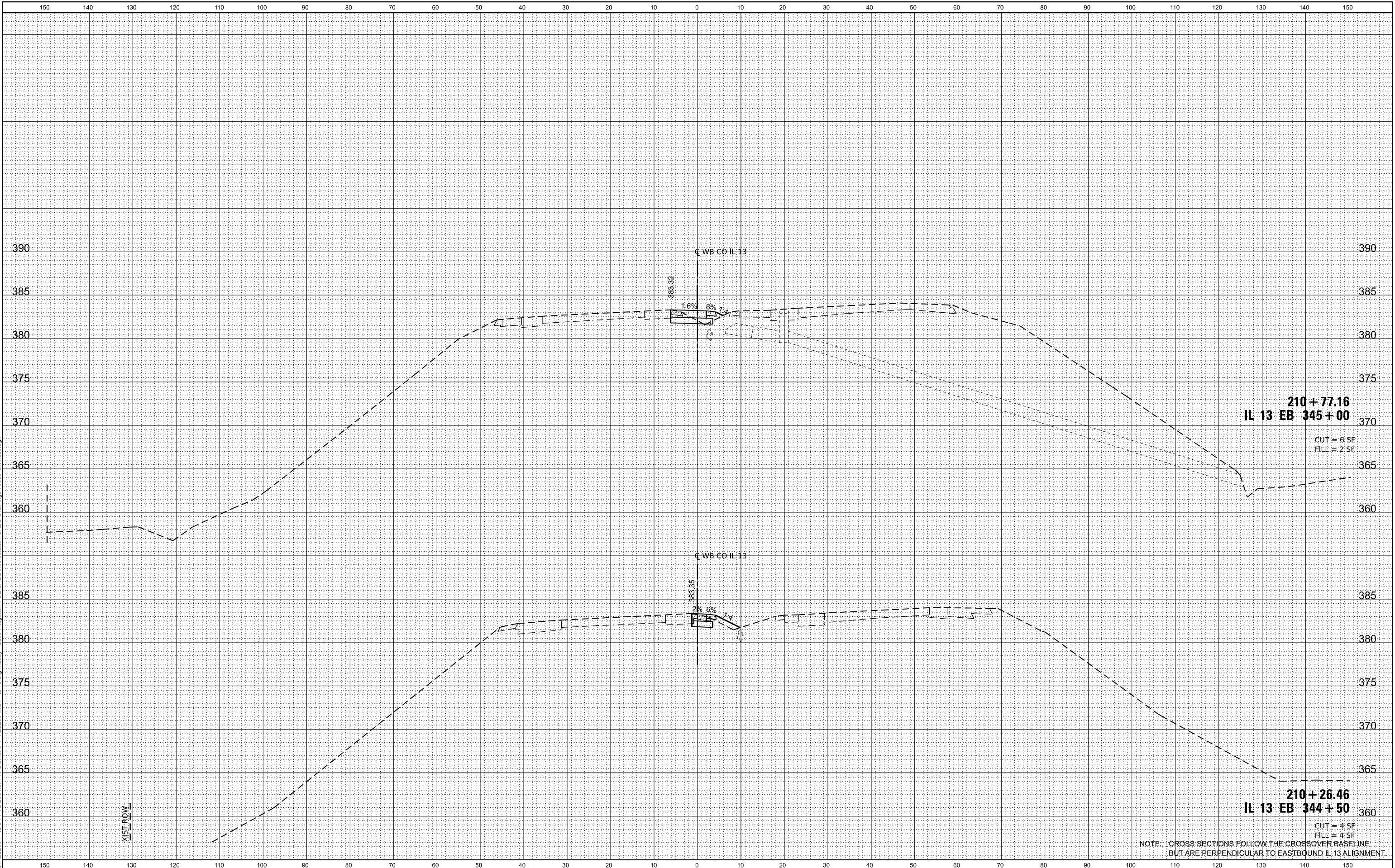
SCALE: SHEET 2 OF 8 SHEETS STA. 202+22.18 TO STA. 209+75.95

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	61
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: xsec-3 (Sheet)
FILE NAME: R:\P222064 - IDOT PTB 203 Item 49 Ditch 9 V-V\222064-024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-slp-wsec.dgn





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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 13 WESTBOUND CROSSOVER
CROSS SECTIONS

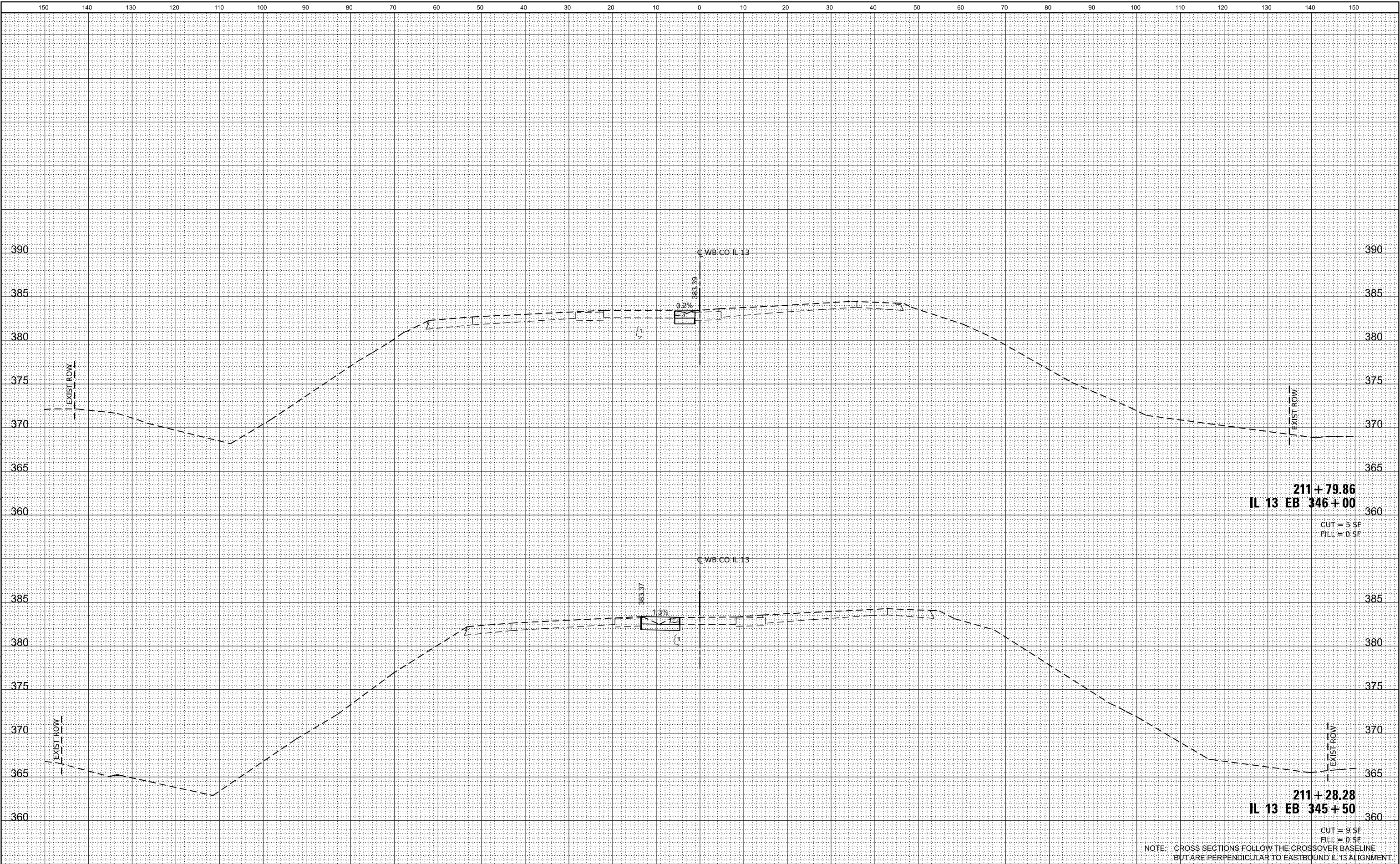
SCALE: SHEET 3 OF 8 SHEETS STA. 210+26.46 TO STA. 210+77.16

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	62
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

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

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

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FILE NAME: 11-222064 - IDOT PTB 203 Item 49 Driller 9 V-V222064-024 - IL 13 Big Muddy - Slide Mitigation PSE/CADD/Microstation/CADD Drawings/78985-slp-wsec.dgn



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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 13 WESTBOUND CROSSOVER
CROSS SECTIONS

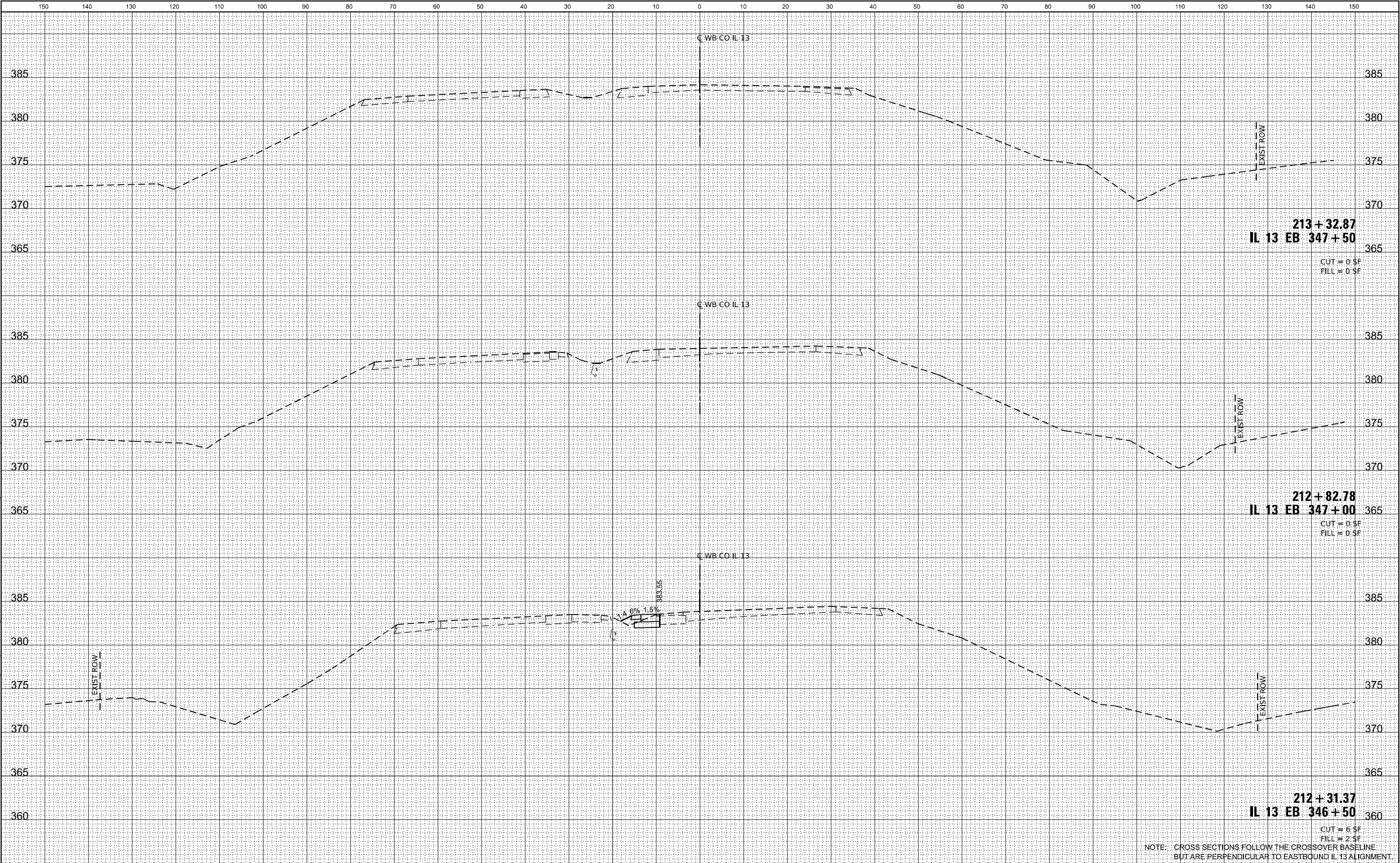
SCALE: SHEET 4 OF 8 SHEETS STA. 211+28.28 TO STA. 211+79.86

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	63
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS	DATE

MODEL: xsac-5 (Sheet)
FILE NAME: 11-222064 - IDOT PTB 203 Item 49 Delta 9 V-V222064-024 - IL 13 Big Muddy - Slide Mitigation PSE/CADD/Microstation(CADD Drawings)78985-slt-wsec.dgn



USER NAME = jack,morra	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

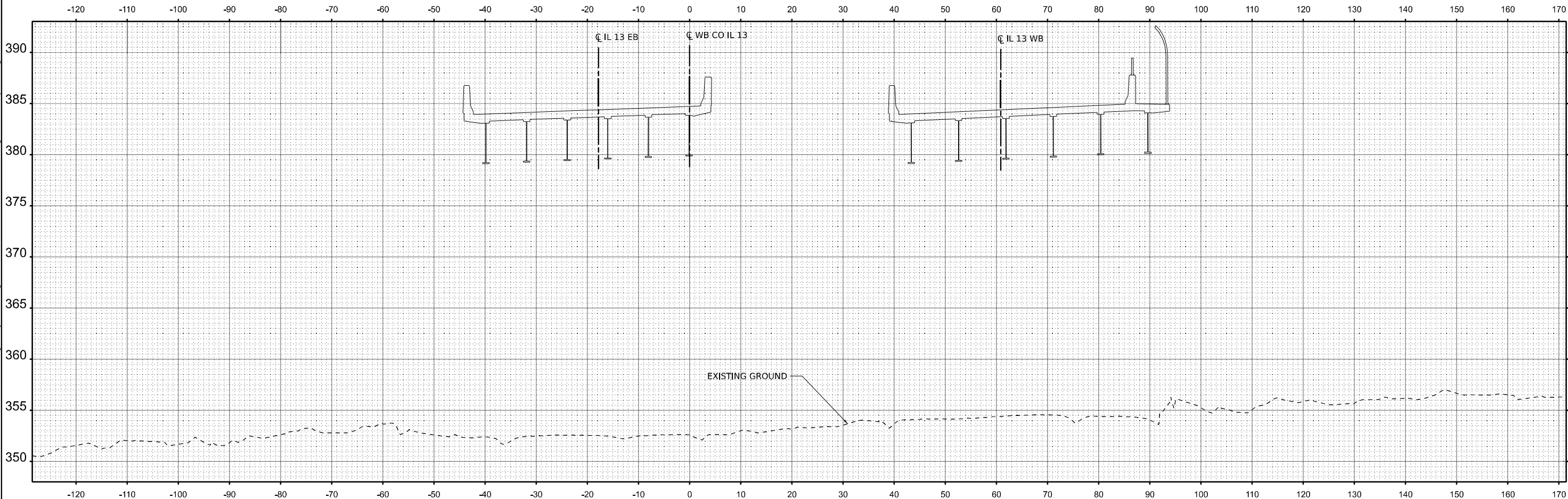
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 13 WESTBOUND CROSSOVER
CROSS SECTIONS

SCALE: SHEET 5 OF 8 SHEETS STA. 212+31.37 TO STA. 213+32.87

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	64
CONTRACT NO. 78985				
ILLINOIS FED.AID PROJECT				

NOTES:
FOR INFORMATION ONLY. ELEVATIONS ARE APPROXIMATE AND
TO BE VERIFIED BY CONTRACTOR IF USED IN THE FIELD.
CROSS SECTIONS LOOKING WEST.



ROW C - STA 205+62.91
IL 13 EB 339+96.48
SKEW 25°53'33"

MODEL: ROW C XSEC (Sheet)
FILE NAME: H:\P\222064 - IDOT PTB 203 Item 49 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-xsec-pile row.dgn



USER NAME = jack.morra	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

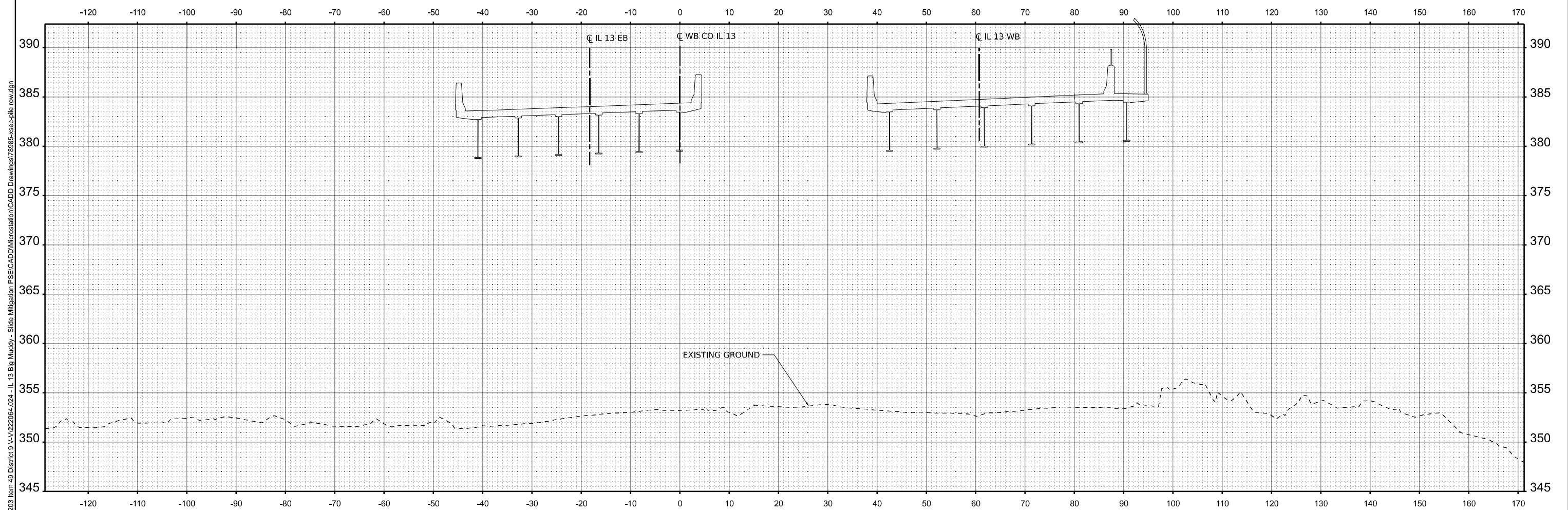
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PILE ROW
CROSS SECTIONS

SCALE: 1"=10' SHEET 6 OF 8 SHEETS STA. 205+62.91 TO STA. 205+62.91

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	65
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

NOTES:
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CROSS SECTIONS LOOKING WEST.



ROW B - STA 207+68.96
IL 13 EB 342+02.77
SKEW 29°00'05"

MODEL: ROW B XSEC (Sheet)
FILE NAME: H:\P\222064 - IDOT PTB 203 Item 49 District 9 VAV222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-xsec-pile row.dgn



USER NAME = jack.morra	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

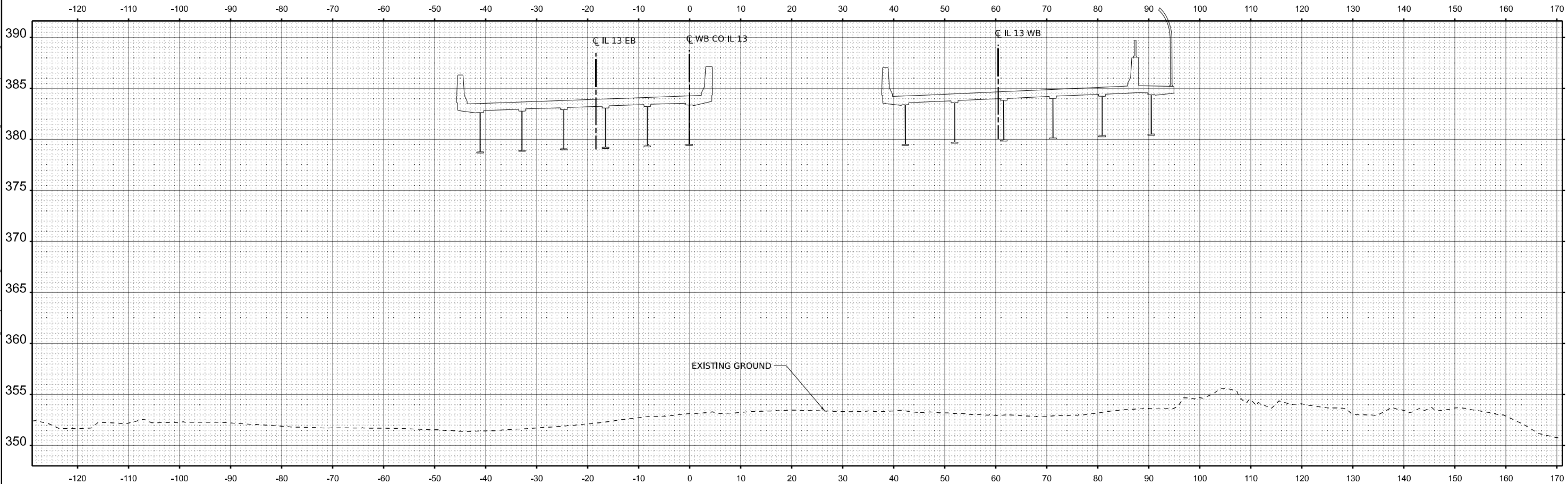
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PILE ROW
CROSS SECTIONS

SCALE: 1"=10' SHEET 7 OF 8 SHEETS STA. 207+68.96 TO STA. 207+68.96

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	66
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				

NOTES:
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TO BE VERIFIED BY CONTRACTOR IF USED IN THE FIELD.
CROSS SECTIONS LOOKING WEST.



ROW A - STA 207+86.13
IL 13 EB 342+19.96
SKEW 29°15'38"

MODEL: ROW A XSEC (Sheet)
FILE NAME: H:\P\222064 - IDOT PTB 203 Item 49 District 9 V-V\222064.024 - IL 13 Big Muddy - Slide Mitigation PSE\CADD\Microstation\CADD Drawings\78985-xsec-pile row.dgn



ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = jack.morra	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PILE ROW
CROSS SECTIONS

SCALE: 1"=10' SHEET 8 OF 8 SHEETS STA. 207+86.13 TO STA. 207+86.13

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)SLP-1	JACKSON	67	67
CONTRACT NO. 78985				
ILLINOIS FED. AID PROJECT				