

06-15-2018 LETTING ITEM 089

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

* 321 + 1 = 322 TOTAL SHEETS

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	15-3R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321*	1
ILLINOIS			CONTRACT NO. 78295	

FOR INDEX OF SHEETS, SEE SHEET NO. 3

FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 6-17

FOR STRUCTURAL PAVEMENT DESIGN INFORMATION, SEE SHEET NO. 19

PROPOSED HIGHWAY PLANS

FAP ROUTE 331 (IL 13)
SECTION (5-3)R-1,N-1,B-5,BR-1,B-6,BR-2
PROJECT NHPP-0331(075)
BRIDGE CONSTRUCTION AND REHABILITATION
JACKSON COUNTY

TRAFFIC DATA

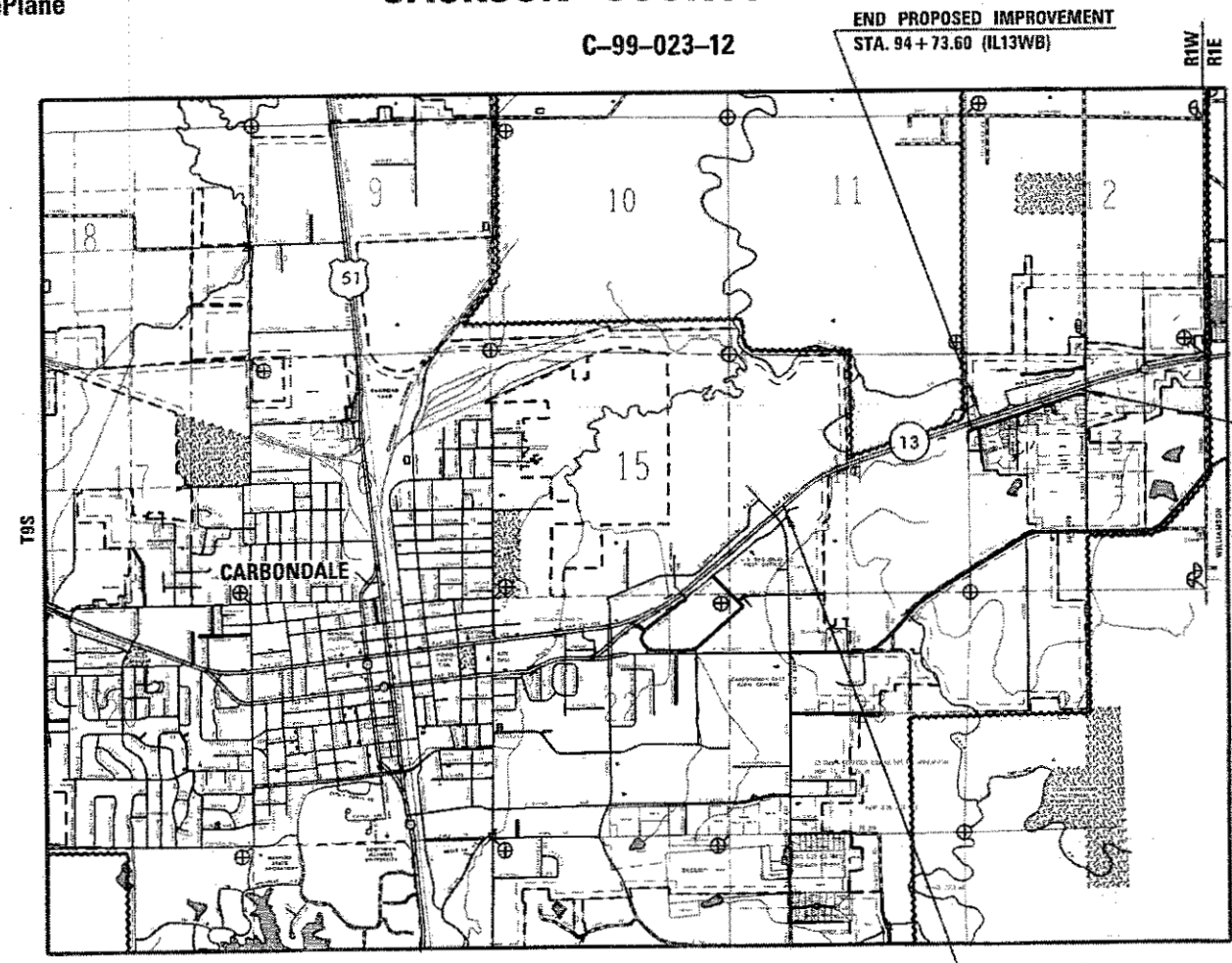
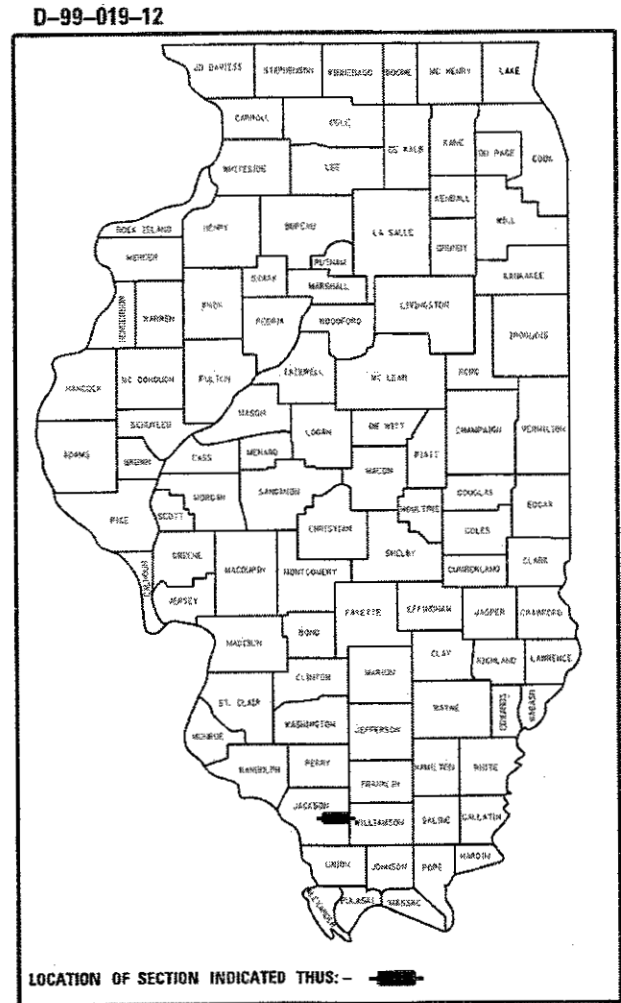
IL 13 2017 ADT = 27090 WITH 6.6% TRUCKS

DESIGN DESIGNATION : 36490(37)OTHER PRINCIPAL ARTERIAL 5.24(FD-20)

COORDINATE SYSTEM : EPSG:102672 NAD 1983 StatePlane
Illinois West FIPS 1202 Feet

POSTED SPEED : 55 MPH

TOWNSHIP: CARBONDALE



GROSS LENGTH = 4333.45 FT. = 0.821 MILE (IL13WB)
NET LENGTH = 4333.45 FT. = 0.821 MILE (IL13WB)

GROSS LENGTH = 6929.03 FT. = 1.312 MILE (IL13EB)
NET LENGTH = 6929.03 FT. = 1.312 MILE (IL13EB)

END PROPOSED IMPROVEMENT
STA. 117 + 73.28 (IL13EB)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 21 20 18
Jeffrey S. Kellum
REGION FIVE ENGINEER

May 11 20 18
Scott A. Elk
ENGINEER OF DESIGN AND ENVIRONMENT

May 10 20 18
Paul P. [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

PROJECT ENGINEER SUSAN POE
PROJECT DESIGNER PATRICK NAAS

CONTRACT NO. 78295

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

Prepared By:



DISTRICT STUDIES & PLANS ENGINEER

Examined By:



DISTRICT LAND ACQUISITION ENGINEER

Examined By:



DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By:



DISTRICT OPERATIONS ENGINEER

Examined By:



DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By:



DISTRICT CONSTRUCTION ENGINEER

Examined By:



DISTRICT MATERIALS ENGINEER

FILE NAME = P:\1\1084EBID\INTEG.ILLINOIS.gov\PM\DDT\Documents\DDT Offices\District 9\Projects\13.dgn	DESIGNED - PROGRAMMER	REVISOR - REVISOR	USER NAME = nnsdp	DESIGNED - DATE	REVISOR - DATE	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNATURES	F.A.P. RATE 331	SECTION 65-31R-1A-1B-5, BR-1, B-6, BR-2	COUNTY JACKSON	TOTAL SHEETS 321	SHEET NO. 2
PLOT SCALE = 20.0000 / / in.	CHECKED - DATE	REVISOR - DATE	PLOT DATE = 3/13/2018	SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76295	

LIST OF STANDARDS

000001-06_STANDARDSYMBOLSABBREVIATIONS&PATTERNS
 001001-02_AREASOFREINFREBARS
 001006_DECIMALOFINCH&FOOT
 280001-07_TEMPEROSIONCNTRLSYSTEMS
 420001-09_PAVEMENTJOINTS
 420401-12_PAVEMENTCONNECTOR(PCC)FORBRIDGEAPPROACHSLAB
 420406_PAVEMENTCONNECTOR(HMA)FORBRIDGEAPPROACHSLAB
 424001-10_PERPENDICULARCURBRAMPS
 424006-03_DIAGONALCURBRAMPS
 442001-04_CLASSAPATCHES
 482001-02_HMASHLDADJTOFLEXPVMT
 515001-03_NAMEPLATEFORBRIDGES
 542201-02_REINFCONCENDSECTFORPIPECULV15-36INDIASKEWED
 542301-03_PRECASTREINFCONCFLAREDENDSECT
 602306-03_INLET-TYPEB
 602601-05_PRECASTREINFCONCFLATSLABTOP
 604036-03_GRATETYPE8
 606001-07_CONCCURBTYP&COMBOCONCC&G
 606401-02_PAVEDDITCH
 630001-12_STEELPLATEBEAMGRDRAIL
 630101-10_STRONGPOSTGUARDRAILATTACHEDTOCULV
 630116_BACKSIDEPROTECTIONOFGRDRAIL
 630201-07_PCC-BITSTB@STEELPLATEBEAMGRDRAIL
 630301-08_SHLDWIDENFORTYPE1GRDRAILTERMS
 631031-15_TRAFBARTERMTYPE6
 666001-01_ROWMRKRS
 667101-02_PERMANENTSURVEYMRKRS
 701101-05_OFFRDOP-MULTILN-LESSTHAN15FTTOEOP
 701106-02_OFFRDOP-MULTILN-MORETHAN15FTAWAY
 701301-04_LNCLOSURE2L2W-SHORTTIMEOP
 701422-10_LNCLOSUREMULTILN-45-55MPH
 701426-09_LNCLOSUREMULTILN-INTERMITTANTORMOVINGOP45MPHORMORE
 701601-09_URBANLNCLOSUREMULTILN1W2WWITHNONTRVSABLEMED
 701701-10_URBANLNCLOSUREMULTILNINTERSECTION
 701801-06_SIDEWALKCORNERORCROSSWALKCLOSURE
 701901-07_TRAFCNTRLDEVICES
 704001-08_TEMPCONCBARRIER
 725001-01_OBJECTANDTERMINALMARKERS
 780001-05_TYPICALPVMTRKINGS
 781001-04_TYPICALAPPRAISEDREFLCPVMTMRKRS
 782006_GUARDRAILLANDBARRIERWALLREFLECTORMOUNTINGDETAILS

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FILE NAME =	USER NAME = poe1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIST OF STANDARDS /INDEX OF SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\11084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\13.g...DRAWN=78295-New\CADData\CADsheets\REVISEDcover.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	3	
Default	PLOT DATE = 5/10/2018	DATE -	REVISED -			CONTRACT NO. 78295		ILLINOIS FED. AID PROJECT			
						SCALE:	SHEET OF SHEETS	STA.	TO STA.		

GENERAL NOTES

QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT OF PATCHING REQUIRED WILL BE DETERMINED BY THE ENGINEER.

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

ALL HOT MIX ASPHALT 2.016 TONS/CU. YD.
 ALL AGGREGATE 2.05 TONS/CU. YD.
 RIPRAP 1.50 TONS/CU. YD.
 EARTH 110 LBS/CU. FT.

THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8%. THE SHOULDER ON THE OUTSIDE OF SUPERELEVATED CURVES SHALL BE FLATTENED ACCORDINGLY.

THE THICKNESS OF HOT MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT MIX ASPHALT MIXTURE IS PLACED.

TRIM EDGES OF EXISTING HOT MIX ASPHALT SURFACE FLUSH WITH EXISTING PAVEMENT PRIOR TO CONSTRUCTING NEW BASE COURSE WIDENING.

ON ALL SUPERELEVATED CURVES, THE PROPOSED BASE COURSE WIDENING SHALL BE CONSTRUCTED WITH A SLOPE CONFORMING TO THE RATE OF SUPERELEVATION OF THE EXISTING PAVEMENT.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE HMA SURFACE REMOVAL, SURFACE COURSE, AND BINDER COURSE.

IF THE CONTRACTOR ELECTS TO USE P.C.C. BASE COURSE WIDENING, SUCH WIDENING SHALL BE PRIMED ACCORDING TO ARTICLE 406.02, EXCEPT THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE WIDENING.

FORMS FOR CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER, IF NOT SLIPFORMED AS PER ART. 606.05, SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.

PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE OF CURB, AND SIDEWALKS AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS OF ARTICLE 420.18.

ATTAINMENT OF PROPER CROWN OR SUPERELEVATION SHALL BE FULLY ACCOMPLISHED WITH THE HOT MIX ASPHALT SURFACE REMOVAL OR HOT MIX ASPHALT BINDER COURSE OR LEVELING BINDER, WHEN SPECIFIED.

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.

THE CONTRACTOR SHALL STAMP STATIONING IN THE HOT MIX ASPHALT SURFACE AT 300 FT INTERVALS ON THE INSIDE EDGE OF THE OUTSIDE SHOULDER AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 IN TALL OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

ALL CULVERT EXTENSIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH METHOD II AS SPECIFIED IN ARTICLE 542.05 OF THE STANDARD SPECIFICATIONS. PRIOR TO EXTENDING ANY CULVERT, THE ENTIRE LENGTH OF THE EXISTING CULVERT SHALL BE CLEANED OF ALL EARTH AND DEBRIS BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. THE COST OF THIS WORK SHALL BE PAID ACCORDING TO ARTICLE 109.04.

BITUMINOUS RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF A DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN (2,000 FT.), THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE ADJACENT LANE ON THE FOLLOWING WORK DAY. PRIOR TO WINTER SHUTDOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION.

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

CONNECTING OF NEW OR EXISTING STORM SEWER TO NEW OR EXISTING INLETS, BOX CULVERTS, OR MANHOLES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET, BOX CULVERT, 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.

PLACEMENT AND LOCATION OF PERMANENT SURVEY MARKERS SHALL BE DETERMINED BY THE ENGINEER IN COORDINATION WITH THE DISTRICT 9 SURVEYS UNIT. IN ADDITION TO THE REQUIREMENTS OF STANDARD 667101, BACKFILL USED IN CONJUNCTION WITH PRECAST MARKERS SHALL BE QUICK-MIX CONCRETE OR SIMILAR MATERIAL APPROVED BY THE ENGINEER.

AFTER A LIFT OF HOT MIX ASPHALT HAS BEEN PLACED, THE LANE SHALL REMAIN CLOSED TO TRAFFIC UNTIL THE NEW MAT HAS COOLED TO 150 DEGREES FAHRENHEIT.

IF SO DIRECTED BY THE ENGINEER, DITCHES ADJACENT TO EMBANKMENTS SHALL BE CONSTRUCTED PRIOR TO STARTING THE CONSTRUCTION OF THE EMBANKMENT FILL.

TREES SHALL BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. GENERALLY, TREES OUTSIDE THE CLEAR ZONE, OR

CONSTRUCTION LIMITS, AND WHICH DO NOT INTERFERE WITH CONSTRUCTION, SHALL NOT BE DISTURBED.

RECLAIMED ASPHALT PAVEMENT (RAP) WILL NOT BE ALLOWED FOR USE AS AGGREGATE IN AGGREGATE SHOULDERS, TYPE B.

ANY TIME THE CONCRETE BARRIER IS NOT IN THE PROPER POSITION, FLAGGERS SHALL BE IN PLACE TO CONTROL TRAFFIC. THE TEMPORARY TRAFFIC SIGNALS SHALL BE SET TO FLASH ALL RED.

REMOVAL OF ABANDONED UTILITIES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION

COMMITMENTS:
 CONTRACTOR SHALL NOTIFY IDOT OPERATIONS(618-549-2171) BEFORE WORK BEGINS TO DETERMINE POSSIBLE WASTE SITES LOCATIONS WITHIN THE EXISTING RIGHT OF WAY.

DUE TO THE POSSIBILITY OF ENDANGERED /THREATENED SPECIES OR HABITAT, CLEARING OF TREES SHALL BE PROHIBITED FROM APRIL 1 THROUGH SEPTEMBER 30.

MTD CROSSING RESTRICTIONS TABLE

SN & CENTERLINE STATION ROUTE(IL13)	EXISTING FILL HEIGHT OVER BOX CULVERT (FOOT)	THICKNESS OF EXISTING PAVEMENT OVER BOX CULVERT (FOOT)	MTD CROSSING RESTRICTIONS
SN 039-0062 (STA. 65 + 50.00)IL13WB			UNLOADED MTD ALLOWED
SN 039-7105 (STA. 77 + 00.61)IL13WB	24"	13"	UNLOADED MTD ALLOWED
SN 039-0061 (STA. 88 + 00.00)IL13WB			UNLOADED MTD ALLOWED
SN 039-0019 (STA. 65 + 25.00)IL13EB			UNLOADED MTD ALLOWED
SN 039-7105 (STA. 76 + 67.84)IL13EB	15"	13"	UNLOADED MTD ALLOWED
SN 039-0021 (STA. 87 + 00.00)IL13EB			UNLOADED MTD ALLOWED

MIXTURE REQUIREMENTS

Locations	Hot-Mix Asphalt Shoulders (Top Lift) Hot-Mix Asphalt Shoulder Widening at Guardrail Slope Stabilization at Decorative Steel Railing
Mixture Use(s):	Hot-Mix Asphalt Shoulders, IL-9.5L
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 30 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5L
Friction Aggregate:	None
Mixture Weight:	112 lbs/sq yd/in
Quality Management Program:	QC/QA
Sublot Size:	TBD
Number Of Roller ^{1/} Passes:	N/A

Locations	Hot-Mix Asphalt Binder Course (Top Lift)
Mixture Use(s):	Polymer Hot-Mix Asphalt Binder Course, N90, IL-19.0
AC/PG:	SBS PG76-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0mm
Friction Aggregate:	None
Mixture Weight:	112 lbs/sq yd/in
Quality Management Program:	QCP - Full Depth
Sublot Size:	TBD
Number Of Roller ^{1/} Passes:	N/A

Locations	Hot-Mix Asphalt Shoulders (Lower Lifts)
Mixture Use(s):	Hot-Mix Asphalt Shoulders, IL-19.0L
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 30 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0L
Friction Aggregate:	None
Mixture Weight:	112 lbs/sq yd/in
Quality Management Program:	QC/QA
Sublot Size:	TBD
Number Of Roller ^{1/} Passes:	N/A

Locations	Hot-Mix Asphalt Binder Course (Lower Lifts)
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N90, IL-19.0
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0mm
Friction Aggregate:	None
Mixture Weight:	112 lbs/sq yd/in
Quality Management Program:	QCP - Full Depth
Sublot Size:	TBD
Number Of Roller ^{1/} Passes:	N/A

^{1/} When a number of roller passes is specified, the Contractor may opt to use intelligent compaction in lieu of density testing under the Quality Control for Performance (QCP) program.

Locations	Hot-Mix Asphalt Surface Course
Mixture Use(s):	Polymer Hot-Mix Asphalt Surface Course, Mix E, N90
AC/PG:	SBS PG76-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm
Friction Aggregate:	E Surface
Mixture Weight:	112 lbs/sq yd/in
Quality Management Program:	QCP - Full Depth and Tons
Sublot Size:	TBD
Number Of Roller ^{1/} Passes:	N/A

SUMMARY OF QUANTITIES

		COUNTY:	JACKSON				
		ROUTE:	FAP 331				
		FUNDING:	80% FED / 20% STATE				
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	LOCATION:	ROADWAY	MULTI-USE PATH	STRUCTURES
					0003	0028	0010
				RURAL	RURAL	RURAL	RURAL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	40			40	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	21			21	
20100500	TREE REMOVAL, ACRES	ACRE	1.25	1.25			
20200100	EARTH EXCAVATION	CU YD	19517	12721		6796	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1091			1091	
20400100	BORROW EXCAVATION	CU YD	24481	13642		10839	
20700110	POROUS GRANULAR EMBANKMENT	TON	371	150		221	
25000115	SEEDING, CLASS 1B	ACRE	13.49	13.49			
25000350	SEEDING, CLASS 7	ACRE	13.49	13.49			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2159	2159			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1619	1619			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1619	1619			
25000700	AGRICULTURAL GROUND LIMESTONE	TON	27.0	27.0			
25100115	MULCH, METHOD 2	ACRE	26.98	26.98			
25100630	EROSION CONTROL BLANKET	SQ YD	65300	65300			

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FILE NAME =	USER NAME = rnsdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\ILBB4EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT_Offices\District_9\Projects\13_30\DRAWING\78295-New\CADData\CADsheets\REVISED\over.dgn		DRAWN	REVISED			331	(5-3)R-LN-1B-5,BR-1B-6,RR-2	JACKSON	321	6
Default	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
	PLOT DATE = 3/23/2018	DATE -	REVISED -							
ILLINOIS FED. AID PROJECT										

SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY: JACKSON		
				ROUTE: FAP 331		
				FUNDING: 80% FED / 20% STATE		
				LOCATION:	ROADWAY	MULTI-USE PATH
	0003	0028	0010			
	RURAL	RURAL	RURAL			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	35147	35147		
28000305	TEMPORARY DITCH CHECKS	FOOT	1148	1148		
28000400	PERIMETER EROSION BARRIER	FOOT	5986	5986		
28000500	INLET AND PIPE PROTECTION	EACH	11	11		
28100107	STONE RIPRAP, CLASS A4	SQ YD	3460		78	3382
28100109	STONE RIPRAP, CLASS A5	SQ YD	1426			1426
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	90	90		
28200200	FILTER FABRIC	SQ YD	4363		78	4285
31100500	SUBBASE GRANULAR MATERIAL, TYPE A 6"	SQ YD	1822	1822		
31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	28920	28920		
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	29018	29018		
40600990	TEMPORARY RAMP	SQ YD	161	161		
40603570	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	2637	2637		
40701926	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12 1/4"	SQ YD	13482	13482		

SUMMARY OF QUANTITIES - CONT

COUNTY:	JACKSON
ROUTE:	FAP 331
FUNDING:	80% FED / 20% STATE

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	LOCATION:		
				ROADWAY	MULTI-USE PATH	STRUCTURES
				0003 RURAL	0028 RURAL	0010 RURAL
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	157	157		
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	553	553		
42000310	PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2"	SQ YD	1329	1329		
42001300	PROTECTIVE COAT	SQ YD	9003	1329	7674	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	67511		67511	
42400800	DETECTABLE WARNINGS	SQ FT	80		80	
44000100	PAVEMENT REMOVAL	SQ YD	2268	2268		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	30119	30119		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	109		109	
44000600	SIDEWALK REMOVAL	SQ FT	479		479	
44004000	PAVED DITCH REMOVAL	FOOT	90		90	
44004250	PAVED SHOULDER REMOVAL	SQ YD	10213	10213		
44200565	CLASS A PATCHES, TYPE II, 11 INCH	SQ YD	88	88		
44200620	CLASS A PATCHES, TYPE II, 14 INCH	SQ YD	30	30		

SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY: JACKSON		
				ROUTE: FAP 331		
				FUNDING: 80% FED / 20% STATE		
		ROADWAY	MULTI-USE PATH	STRUCTURES		
		0003	0028	0010		
		RURAL	RURAL	RURAL		
44213000	PATCHING REINFORCEMENT	SQ YD	118	118		
44213200	SAW CUTS	FOOT	897	897		
48203046	HOT-MIX ASPHALT SHOULDERS. 12 1/4"	SQ YD	12868	12868		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	304	304		
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1		1	
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1		1	
50102400	CONCRETE REMOVAL	CU YD	212		212	
50104400	CONCRETE HEADWALL REMOVAL	EACH	1	1		
50104650	SLOPE WALL REMOVAL	SQ YD	866		866	
50200100	STRUCTURE EXCAVATION	CU YD	641		641	
50200300	COFFERDAM EXCAVATION	CU YD	1630		1630	
50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	1		1	
50201122	COFFERDAM (TYPE 2) (LOCATION - 2)	EACH	1		1	
50201123	COFFERDAM (TYPE 2) (LOCATION - 3)	EACH	1		1	
50201124	COFFERDAM (TYPE 2) (LOCATION - 4)	EACH	1		1	

SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY: JACKSON		
				ROUTE: FAP 331		
				FUNDING: 80% FED / 20% STATE		
				LOCATION:	ROADWAY	MULTI-USE PATH
	0003	0028	0010			
	RURAL	RURAL	RURAL			
50300100	FLOOR DRAINS	EACH	58			58
50300225	CONCRETE STRUCTURES	CU YD	1629.3			1629.3
50300255	CONCRETE SUPERSTRUCTURE	CU YD	1261.2			1261.2
50300260	BRIDGE DECK GROOVING	SQ YD	3837			3837
50300265	SEAL COAT CONCRETE	CU YD	21.6			21.6
50300300	PROTECTIVE COAT	SQ YD	5120		103	5017
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	459.8			459.8
50400805	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 36 IN.	FOOT	433			433
50400905	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 42 IN.	FOOT	734			734
50401305	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, 1L27N	FOOT	1004			1004
50401315	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, 1L36N	FOOT	1707			1707
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	736580	8525	8745	719310
50800515	BAR SPLICERS	EACH	86			86
50800530	MECHANICAL SPLICERS	EACH	736			736
50901750	PARAPET RAILING	FOOT	509			509

SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY: JACKSON		
				ROUTE: FAP 331		
				FUNDING: 80% FED / 20% STATE		
				ROADWAY	MULTI-USE PATH	STRUCTURES
	0003	0028	0010			
	RURAL	RURAL	RURAL			
51201400	FURNISHING STEEL PILES HP10X42	FOOT	1107			1107
51201600	FURNISHING STEEL PILES HP12X53	FOOT	1290			1290
51201610	FURNISHING STEEL PILES HP12X63	FOOT	913			913
51201700	FURNISHING STEEL PILES HP12X74	FOOT	330			330
51201800	FURNISHING STEEL PILES HP14X73	FOOT	1125			1125
51202100	FURNISHING STEEL PILES HP14X117	FOOT	3375			3375
51202305	DRIVING PILES	FOOT	8140			8140
51203400	TEST PILE STEEL HP10X42	EACH	2			2
51203610	TEST PILE STEEL HP12X63	EACH	2			2
51203700	TEST PILE STEEL HP12X74	EACH	3			3
51203800	TEST PILE STEEL HP14X73	EACH	2			2
51204100	TEST PILE STEEL HP14X117	EACH	1			1
51500100	NAME PLATES	EACH	4			4
52200010	TEMPORARY SHEET PILING	SO FT	496			496
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	1		1	

SUMMARY OF QUANTITIES - CONT

COUNTY:	JACKSON		
ROUTE:	FAP 331		
FUNDING:	80% FED / 20% STATE		
LOCATION:	ROADWAY	MULTI-USE PATH	STRUCTURES
TOTAL QUANTITY	0003	0028	0010
	RURAL	RURAL	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	MULTI-USE PATH	STRUCTURES
54002020	EXPANSION BOLTS 3/4 INCH	EACH	48	24	24	
54003000	CONCRETE BOX CULVERTS	CU YD	130.0	63.2	66.8	
54010403	PRECAST CONCRETE BOX CULVERTS 4' X 3'	FOOT	10		10	
54010503	PRECAST CONCRETE BOX CULVERTS 5' X 3'	FOOT	12.5		12.5	
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	16		16	
542A0235	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	107		107	
542A0241	PIPE CULVERTS, CLASS A, TYPE 1 36"	FOOT	26	26		
5421A012	PIPE CULVERTS, CLASS A, TYPE 1 12" (TEMPORARY)	FOOT	297	297		
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2		2	
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1		
54215418	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 18"	EACH	1		1	
54248510	CONCRETE COLLAR	CU YD	1.5	1.3	0.2	
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	54	54		
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	4	4		
55100700	STORM SEWER REMOVAL 15"	FOOT	32	32		

15

SUMMARY OF QUANTITIES - CONT

		COUNTY:	JACKSON		
		ROUTE:	FAP 331		
		FUNDING:	80% FED / 20% STATE		
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	LOCATION:	STRUCTURES
				ROADWAY	MULTI-USE PATH
				0003	0028
				RURAL	RURAL
				0010	RURAL
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	273		273
60240301	INLETS, TYPE B, TYPE B GRATE	EACH	3	3	
60500060	REMOVING INLETS	EACH	1	1	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	20		20
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	62		62
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	27		27
60615400	PAVED DITCH, TYPE A-15	FOOT	127		127
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	3005.2	3005.2	
* 63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	19	19	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	9	9	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	7	7	
63200310	GUARDRAIL REMOVAL	FOOT	1953	1953	
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	10	10	
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	5	5	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	36	36	

* SPECIALTY ITEM

FILE NAME =	USER NAME = neascp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default: \\IL084EBIDINTEG\illinois.gov\PMIDOT\Documents\DOT Offices\District 9\Projects\13.00\Drawings\78295-New\CADData\CADsheets\REVISED\cover.dgn	Default: \\IL084EBIDINTEG\illinois.gov\PMIDOT\Documents\DOT Offices\District 9\Projects\13.00\Drawings\78295-New\CADData\CADsheets\REVISED\cover.dgn	Checked -	Revised -			331	(S-3R-1N-1B-5, BR-1B-6, BR-2	JACKSON	321	13
		DATE -	REVISED -		SCALE:					CONTRACT NO. 78295
										ILLINOIS FED. AID PROJECT

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SUMMARY OF QUANTITIES - CONT

			COUNTY:	JACKSON			
			ROUTE:	FAP 331			
			FUNDING:	80% FED / 20% STATE			
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	LOCATION:	ROADWAY	MULTI-USE PATH	STRUCTURES
					0003	0028	0010
				RURAL	RURAL	RURAL	RURAL
67100100	MOBILIZATION	L SUM	1	1			
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1			
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1		
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1		1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	226	226			
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	61650	61650			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	20550	20550			
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	83	83			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	29826	29826			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	276	276			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	26	26			
70500100	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	200	200			
70500665	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	3	3			

15

FILE NAME =	USER NAME = neasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default						331	(5-3R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	14
					SCALE:		SHEET OF SHEETS	STA.	TO STA.	CONTRACT NO. 78295
										ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES - CONT

			COUNTY:	JACKSON		
			ROUTE:	FAP 331		
			FUNDING:	80% FED / 20% STATE		
CODE NUMBER	ITEM DESCRIPTION	UNIT	LOCATION:	ROADWAY	MULTI-USE PATH	STRUCTURES
			TOTAL QUANTITY	0003 RURAL	0028 RURAL	0010 RURAL
* 72000100	SIGN PANEL - TYPE 1	SQ FT	11		11	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	10	10		
* 72900100	METAL POST - TYPE A	FOOT	33		33	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	75237	75237		
* 78004200	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	SQ FT	83	83		
* 78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	29826	29826		
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1859		1859	
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	276	276		
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	26	26		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	125	125		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	65	65		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	125	125		
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	20		20	
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	1	1		
X0323444	DECORATIVE STEEL RAILING	FOOT	497			497

15

* SPECIALTY ITEM

FILE NAME :	USER NAME : nassop	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Documents\DOT_Offices\District_9\Projects\13_000\Drawings\78295\Nav\CADData\CADsheets\REVISED\over.dgn	CHECKED -	REVISED -			331	6-3R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	15
	PLOT SCALE = 1/8"=1'-0"	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
	PLOT DATE = 3/23/2018									ILLINOIS FED. AID PROJECT CONTRACT NO. 78295

SUMMARY OF QUANTITIES - CONT

COUNTY:	JACKSON		
ROUTE:	FAP 331		
FUNDING:	80% FED / 20% STATE		
LOCATION:	ROADWAY	MULTI-USE PATH	STRUCTURES
	0003	0028	0010
	RURAL	RURAL	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	MULTI-USE PATH	STRUCTURES
				0003	0028	0010
				RURAL	RURAL	RURAL
X0325747	BRIDGE DECK CONCRETE CRACK SEALER	FOOT	1350			1350
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	24957	24957		
X1700025	CLASS C PATCHES, TYPE II, 11 INCH (SPECIAL)	SQ YD	144	144		
X1700026	CLASS C PATCHES, TYPE IV, 11 INCH (SPECIAL)	SQ YD	67	67		
X1700027	CLASS C PATCHES, TYPE II, 14 INCH (SPECIAL)	SQ YD	227	227		
<input type="checkbox"/> X2503100	MOWING	UNIT	374	374		
X4240440	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH, SPECIAL	SQ FT	1558		1558	
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1275	1275		
X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	467			467
X6026638	FLUSH INLET BOX FOR MEDIAN (542546) TO BE RECONSTRUCTED	EACH	1	1		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
X7015005	CHANGEABLE MESSAGE SIGN	CAL DAY	1500	1500		
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	10353	10353		
X7050167	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	3	3		
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	3	3		

100% STATE FUNDED

FILE NAME =	USER NAME = rbasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Documents\DOT Offices\District 9\Projects\13.g	DRAWN -	REVISED -			331	(5-3R-1N-1B-5BR-1B-6BR-2	JACKSON	321	16
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE:					
	PLOT DATE = 3/23/2018	DATE -	REVISED -		SHEET OF SHEETS	STA.	TO STA.			CONTRACT NO. 78295
										ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES - CONT

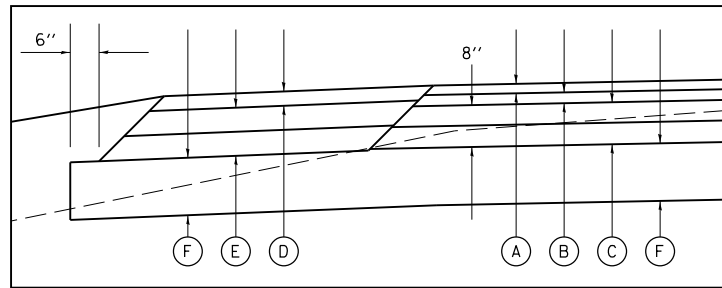
COUNTY:	JACKSON		
ROUTE:	FAP 331		
FUNDING:	80% FED / 20% STATE		
LOCATION:	ROADWAY	MULTI-USE PATH	STRUCTURES
TOTAL QUANTITY	0003	0028	0010
	RURAL	RURAL	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	MULTI-USE PATH	STRUCTURES
Z0003615	REMOVAL OF EXISTING CONCRETE I-BEAM	EACH	6			6
Z0018905	DRILL AND GROUT BARS	EACH	806			806
Z0034105	MATERIAL TRANSFER DEVICE	TON	20713	20713		
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	424			424
Ø Z0076600	TRAINEES	HOUR	1000	1000		
Z0046306	PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT	132			132
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000		
* Z0054517	ROCK FILL - FOUNDATION	TON	21	21		

* SPECIALTY ITEM

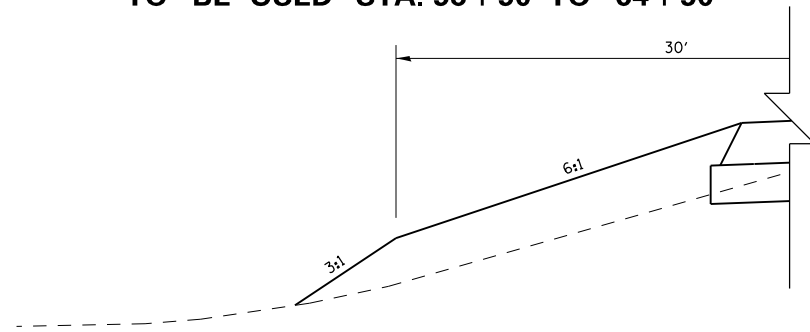
Ø 0042

PAVING DETAIL FOR LANE ADDITON

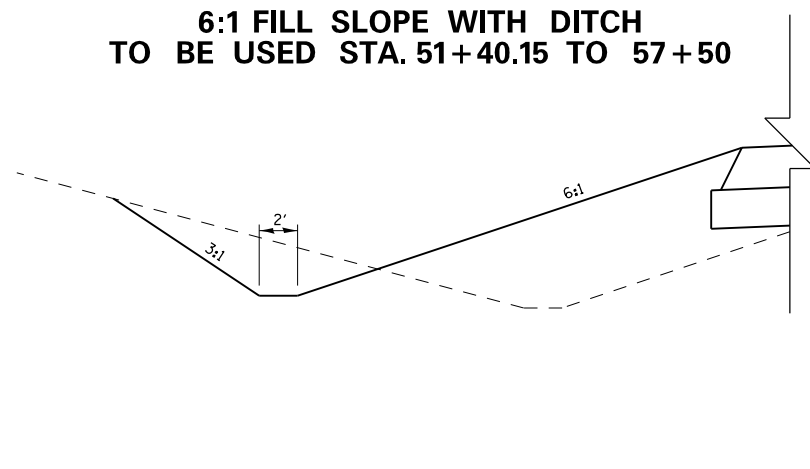


- (A) POLYMERIZED HMA SURFACE COURSE, MIX E, N90, 1 1/2"
 - (B) POLYMERIZED HMA BINDER COURSE, N90, IL-19.0, 2 3/4"
 - (C) HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0
 - (D) HOT-MIX ASPHALT SHOULDERS, IL-9.5L, 3" MAX
 - (E) HOT-MIX ASPHALT SHOULDERS, IL-19.0L
 - (F) PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 12"
- * FOR INFORMATION ONLY - NOT PAY ITEMS
SEE MIX DESIGN TABLES FOR MORE INFORMATION

DUAL SLOPE (6:1/3:1) FILL
TO BE USED STA. 58+50 TO 64+50

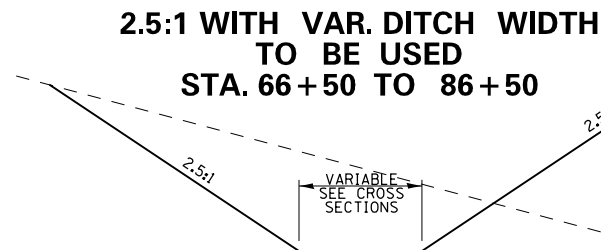


6:1 FILL SLOPE WITH DITCH
TO BE USED STA. 51+40.15 TO 57+50

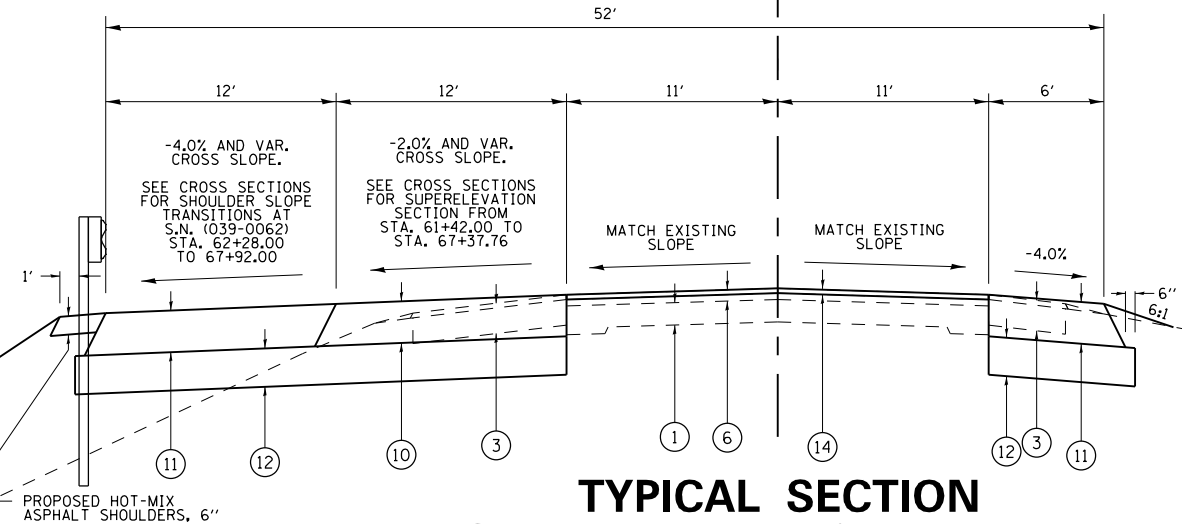


NOTE: FILL SLOPES TRANSITION BEHIND THE PROPOSED GUARDRAIL TO MATCH THE 2:1 SLOPE AT THE PROPOSED BRIDGE ABUTMENTS. SEE IL13WB CROSS SECTIONS.

2.5:1 WITH VAR. DITCH WIDTH
TO BE USED
STA. 66+50 TO 86+50



IL RTE 13
(WESTBOUND)
LOOKING EAST

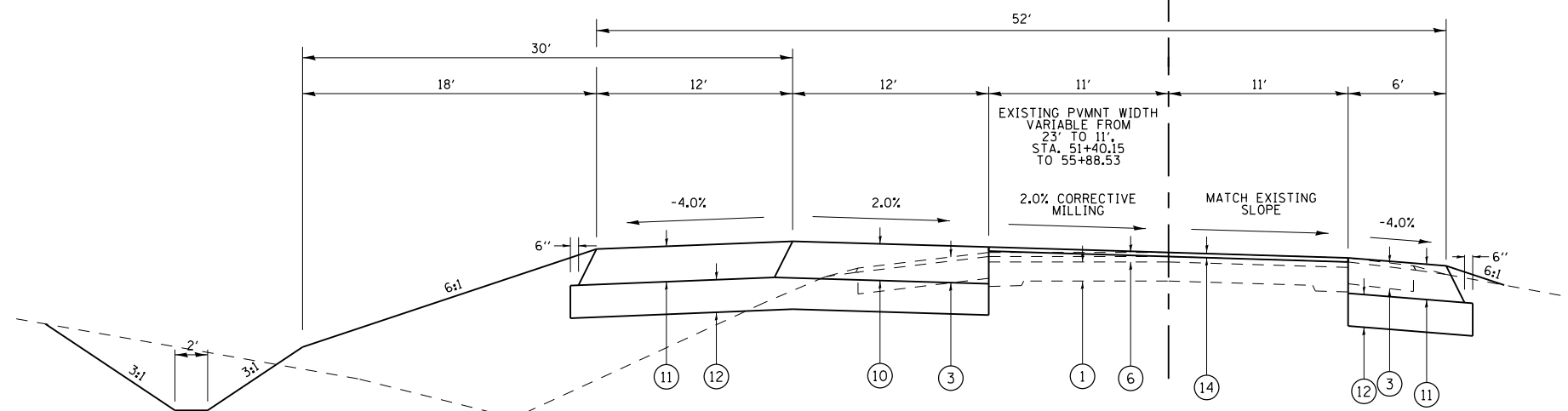


TYPICAL SECTION
STA. 61+42.00 TO 92+33.60

LEGEND

- (1) EXISTING PCC PAVEMENT 9" - 7" - 9"
- (2) EXISTING PCC PAVEMENT
- 7" CRC STA. 49+25.00 TO 64+17.12
- 10" STA. 66+22.88 TO 85+68.62
- 7" CRC STA. 88+75.05 TO 118+59.53
- (3) EXISTING STABILIZED SHOULDER WITH BITUMINOUS OVERLAY
- (4) EXISTING SUB-BASE 4"
- (5) EXISTING HMA OVERLAY 3 3/4" (APPROX)
- (6) EXISTING HMA OVERLAY 4" (APPROX)
- (10) PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12 1/4"
- (11) PROPOSED HOT-MIX ASPHALT SHOULDERS, 12 1/4"
- (12) PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 12"
- (13) PROPOSED PCC SIDEWALK 5"
- (14) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2" & HOT-MIX ASPHALT SURFACE COURSE, MIX E, N90, 1 1/2"

IL RTE 13
(WESTBOUND)
LOOKING EAST



TYPICAL SECTION
STA. 51+40.15 TO 61+42.00

FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -
pw:\IL\084EBID\INTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\13...DRAWN	pw:\IL\084EBID\INTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\13...REVISED		
Default	PLOT SCALE = 10.0000 / in.	CHECKED -	REVISED -
	PLOT DATE = 3/23/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICALS (IL13 WEST BOUND)

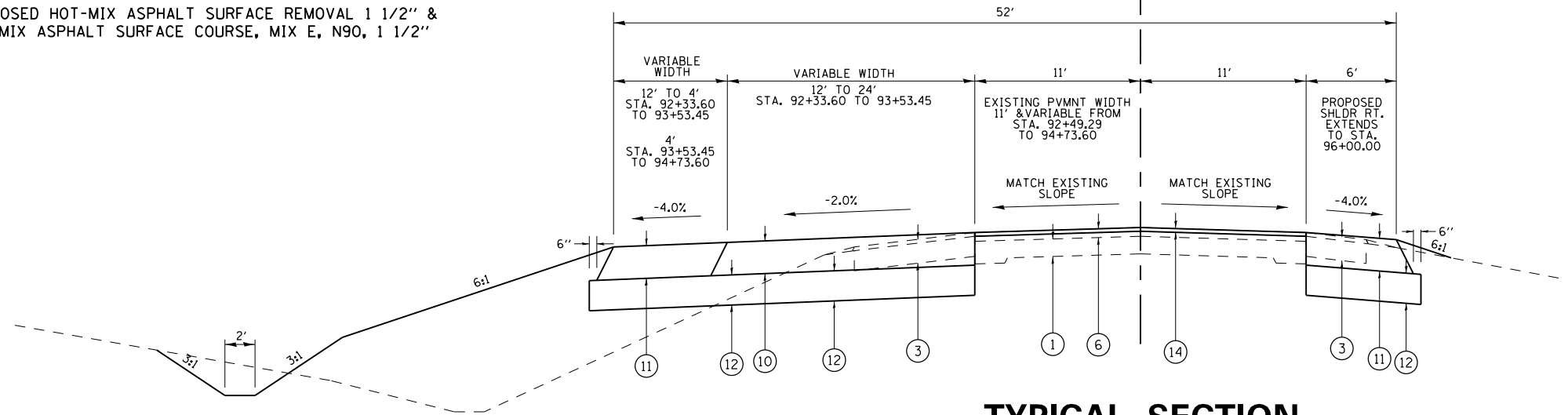
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	18
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				

LEGEND

- ① EXISTING PCC PAVEMENT 9" - 7" - 9"
- ② EXISTING PCC PAVEMENT
 - 7" CRC STA. 49+25.00 TO 64+17.12
 - 10" STA. 66+22.88 TO 85+68.62
 - 7" CRC STA. 88+75.05 TO 118+59.53
- ③ EXISTING STABILIZED SHOULDER WITH BITUMINOUS OVERLAY
- ④ EXISTING SUB-BASE 4"
- ⑤ EXISTING HMA OVERLAY 3 3/4" (APPROX)
- ⑥ EXISTING HMA OVERLAY 4" (APPROX)
- ⑩ PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12 1/4"
- ⑪ PROPOSED HOT-MIX ASPHALT SHOULDERS, 12 1/4"
- ⑫ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 12"
- ⑬ PROPOSED PCC SIDEWALK 5"
- ⑭ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2" & HOT-MIX ASPHALT SURFACE COURSE, MIX E, N90, 1 1/2"

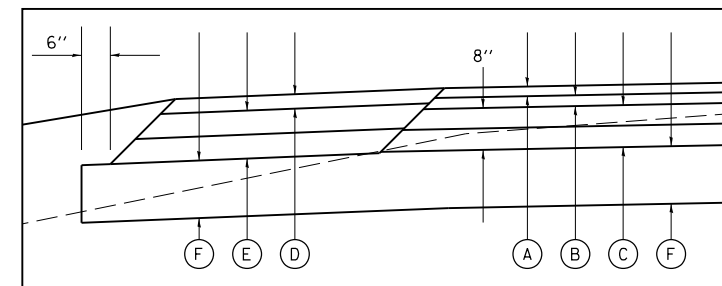

**IL RTE 13
(WESTBOUND)
LOOKING EAST**



**TYPICAL SECTION
STA. 92 + 33.60 TO 94 + 73.60**

STRUCTURAL DESIGN TRAFFIC:		Year <u>2027</u>
PV = <u>29,362</u>	SU = <u>1,017</u>	MU = <u>1,076</u>
ROAD/STREET CLASSIFICATION:		Class <u>CLASS I</u>
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:		
P = <u>20%</u>	S = <u>40%</u>	M = <u>40%</u>
TRAFFIC FACTOR: Actual TF = <u>5.25</u>		AC Type = _____
Minimum TF = <u>3.16</u>		
PG GRADE: Binder = <u>PG 64-22</u>		Surface = <u>PG 76-22</u>
SUBGRADE SUPPORT RATING:		
SSR = <u>POOR</u>	(Sta. <u>48+44.25</u> to <u>117+73.28</u>)	
SSR = _____	(Sta. _____ to _____)	

PAVING DETAIL FOR LANE ADDITON



- Ⓐ POLYMERIZED HMA SURFACE COURSE, MIX E, N90, 1 1/2"
- Ⓑ POLYMERIZED HMA BINDER COURSE, N90, IL-19.0, 2 3/4"
- Ⓒ HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0
- Ⓓ HOT-MIX ASPHALT SHOULDERS, IL-9.5L, 3" MAX
- Ⓔ HOT-MIX ASPHALT SHOULDERS, IL-19.0L
- Ⓕ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 12"

* FOR INFORMATION ONLY - NOT PAY ITEMS
SEE MIX DESIGN TABLES FOR MORE INFORMATION

FILE NAME =	USER NAME = <u>noasdp</u>	DESIGNED -	REVISED -
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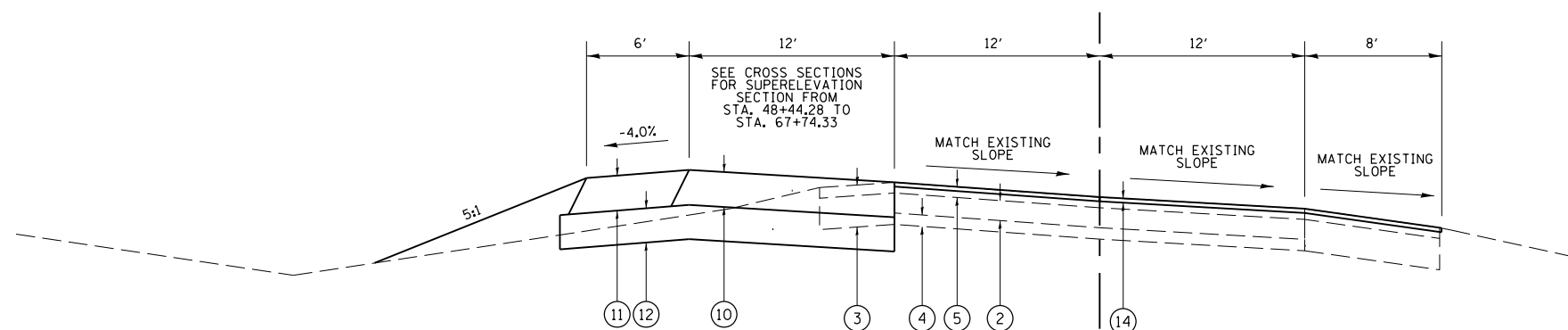
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICALS (IL13 WEST BOUND)

SCALE: SHEET OF SHEETS STA. TO STA.

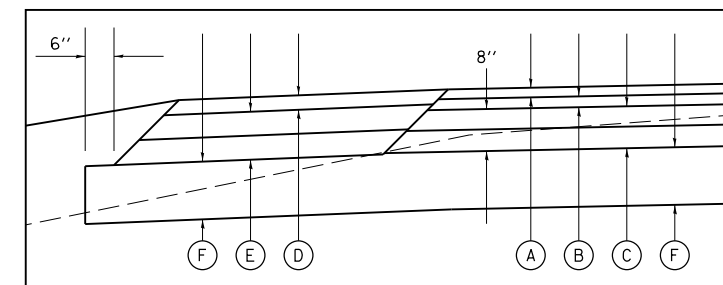
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	19
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				


**IL RTE 13
(EASTBOUND)
LOOKING EAST**



**TYPICAL SECTION
STA. 53+98.44 TO 59+20.78**

PAVING DETAIL FOR LANE ADDITON



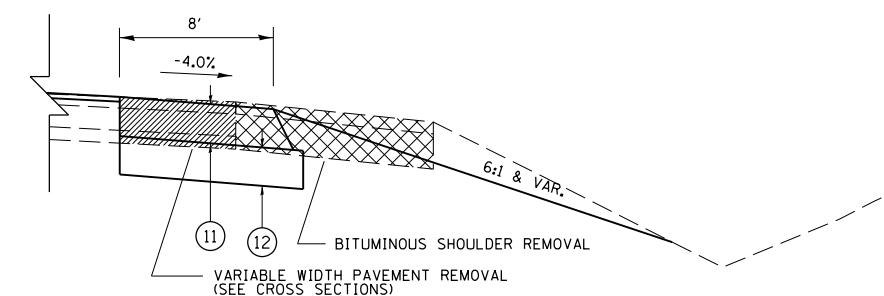
- (A) POLYMERIZED HMA SURFACE COURSE, MIX E, N90, 1 1/2"
- (B) POLYMERIZED HMA BINDER COURSE, N90, IL-19.0, 2 3/4"
- (C) HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0
- (D) HOT-MIX ASPHALT SHOULDERS, IL-9.5L, 3" MAX
- (E) HOT-MIX ASPHALT SHOULDERS, IL-19.0L
- (F) PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 12"

* FOR INFORMATION ONLY - NOT PAY ITEMS
SEE MIX DESIGN TABLES FOR MORE INFORMATION

LEGEND

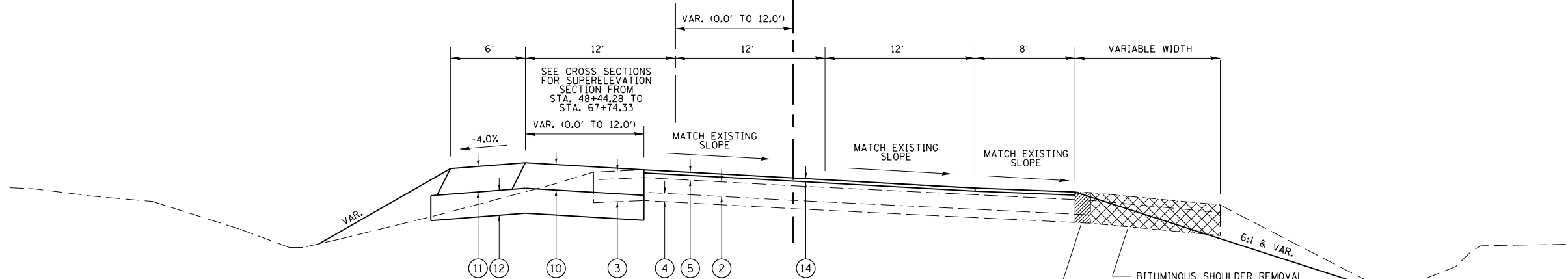
- | | |
|---|---|
| (1) EXISTING PCC PAVEMENT 9" - 7" - 9" | (6) EXISTING HMA OVERLAY 4" (APPROX) |
| (2) EXISTING PCC PAVEMENT
- 7" CRC STA. 49+25.00 TO 64+17.12
- 10" STA. 66+22.88 TO 85+68.62
- 7" CRC STA. 88+75.05 TO 118+59.53 | (10) PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12 1/4" |
| (3) EXISTING STABILIZED SHOULDER WITH BITUMINOUS OVERLAY | (11) PROPOSED HOT-MIX ASPHALT SHOULDERS, 12 1/4" |
| (4) EXISTING SUB-BASE 4" | (12) PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 12" |
| (5) EXISTING HMA OVERLAY 3 3/4" (APPROX) | (13) PROPOSED PCC SIDEWALK 5" |
| | (14) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2" & HOT-MIX ASPHALT SURFACE COURSE, MIX E, N90, 1 1/2" |

**PROPOSED SHOULDER RIGHT.
TO BE USED STATIONS
48+44.25 TO 51+52.88 & 54+04.08 TO 55+97.98**




**IL RTE 13
(EASTBOUND)
LOOKING EAST**


**IL13 EB
PROPOSED**



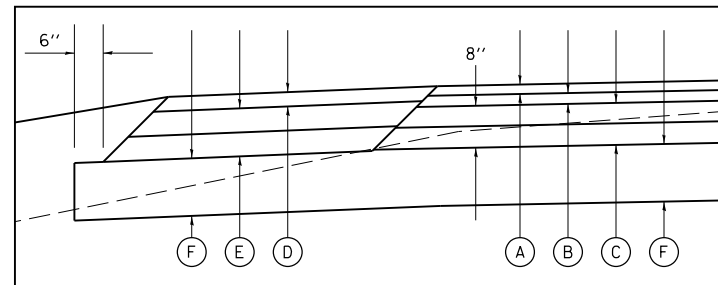
**TYPICAL SECTION
STA. 48+44.25 TO 53+98.44**

FILE NAME =	USER NAME = naasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICALS (EAST BOUND)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\13.0\Drawings\13295-New\CADData\CADsheets\REVISED\13-Typ_Sch_Ties_GeopakElements.dgn	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -			331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	20
Default	PLOT DATE = 3/23/2018	DATE -	REVISED -			CONTRACT NO. 78295		ILLINOIS FED. AID PROJECT		

LEGEND

- ① EXISTING PCC PAVEMENT 9" - 7" - 9"
- ② EXISTING PCC PAVEMENT
 - 7" CRC STA. 49+25.00 TO 64+17.12
 - 10" STA. 66+22.88 TO 85+68.62
 - 7" CRC STA. 88+75.05 TO 118+59.53
- ③ EXISTING STABILIZED SHOULDER WITH BITUMINOUS OVERLAY
- ④ EXISTING SUB-BASE 4"
- ⑤ EXISTING HMA OVERLAY 3 3/4" (APPROX)
- ⑥ EXISTING HMA OVERLAY 4" (APPROX)
- ⑩ PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12 1/4"
- ⑪ PROPOSED HOT-MIX ASPHALT SHOULDERS, 12 1/4"
- ⑫ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 12"
- ⑬ PROPOSED PCC SIDEWALK 5"
- ⑭ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2" & HOT-MIX ASPHALT SURFACE COURSE, MIX E, N90, 1 1/2"

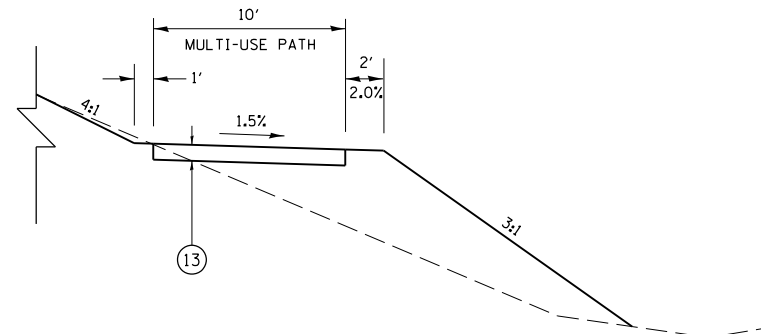
PAVING DETAIL FOR LANE ADDITON



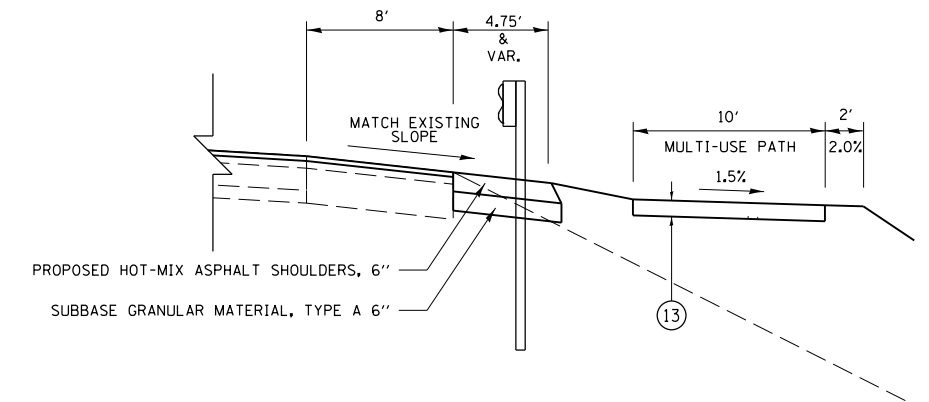
- Ⓐ POLYMERIZED HMA SURFACE COURSE, MIX E, N90, 1 1/2"
- Ⓑ POLYMERIZED HMA BINDER COURSE, N90, IL-19.0, 2 3/4"
- Ⓒ HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0
- Ⓓ HOT-MIX ASPHALT SHOULDERS, IL-9.5L, 3" MAX
- Ⓔ HOT-MIX ASPHALT SHOULDERS, IL-19.0L
- Ⓕ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 12"

* FOR INFORMATION ONLY - NOT PAY ITEMS
SEE MIX DESIGN TABLES FOR MORE INFORMATION

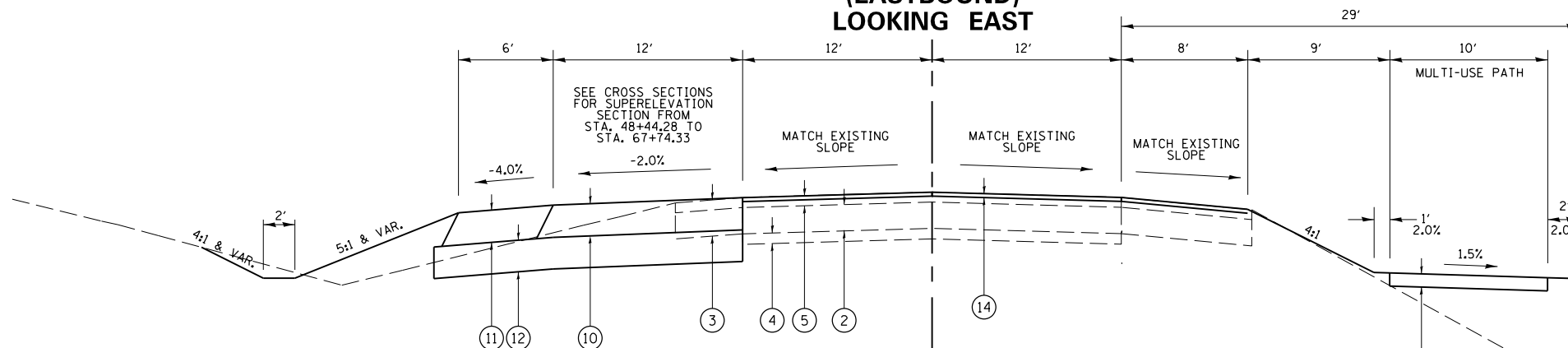
3:1 FRONT SLOPE
TO BE USED STA. 58+50 TO 64+00



SHOULDER WIDENING AT
IL13EB STRUCTURES (039-0078 & 039-0079)



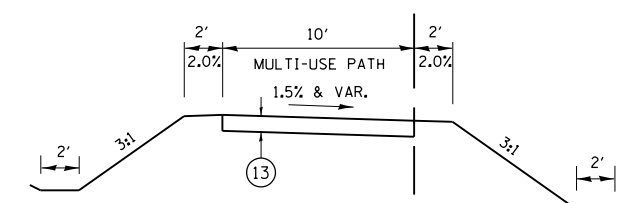
IL RTE 13
(EASTBOUND)
LOOKING EAST



TYPICAL SECTION
STA. 59+20.78 TO 92+25.49

TRAIL TRANSITIONS
TO BE USED STATIONS
53+93.99 TO 59+20.78 &
92+25.49 TO 94+51.47

TRAIL TRANSITIONS



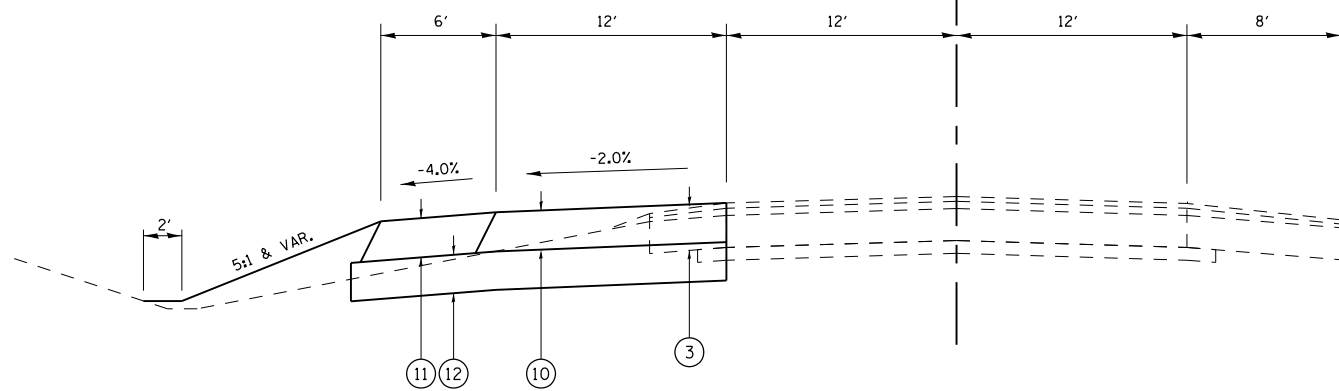
NOTE: SEE TRAIL TRANSITION PLAN/PROFILE SHEET FOR VARIABLE CROSS SLOPES.
SEE MULTI-USE TRAIL WEST RAMP DETAIL SHEET FOR TRAIL WIDTH TRANSITION.

FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICALS (EAST BOUND)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\13.0\Drawings\78295-New\CADData\CADsheets\REVISED\18-Typ_Sch_Ties_GeopakElements.dgn	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -			331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	21
Default	PLOT DATE = 3/23/2018	DATE -	REVISED -			CONTRACT NO. 78295				

SCALE: SHEET OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

IL RTE 13
(EASTBOUND)
LOOKING EAST



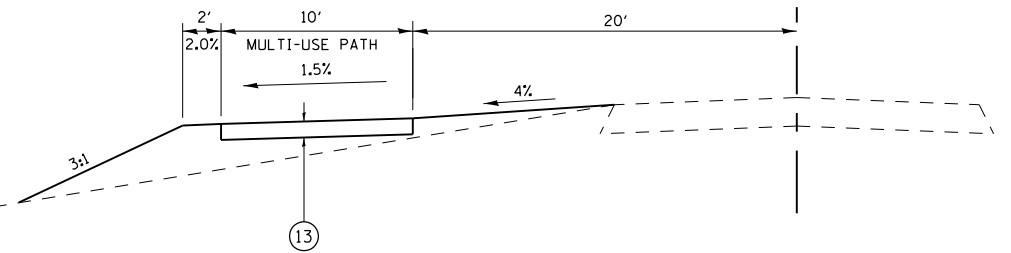
**TYPICAL SECTION
STA. 115+68.17 TO 117+73.28**

LEGEND

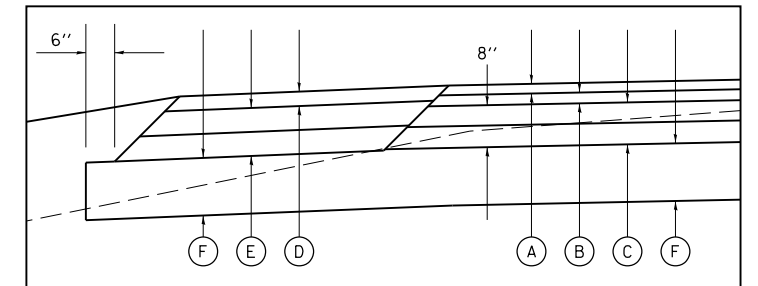
- | | |
|---|--|
| ① EXISTING PCC PAVEMENT 9" - 7" - 9" | ⑥ EXISTING HMA OVERLAY 4" (APPROX) |
| ② EXISTING PCC PAVEMENT
- 7" CRC STA. 49+25.00 TO 64+17.12
- 10" CRC STA. 66+22.88 TO 85+68.62
- 7" CRC STA. 88+75.05 TO 118+59.53 | ⑩ PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12 1/4" |
| ③ EXISTING STABILIZED SHOULDER WITH BITUMINOUS OVERLAY | ⑪ PROPOSED HOT-MIX ASPHALT SHOULDERS, 12 1/4" |
| ④ EXISTING SUB-BASE 4" | ⑫ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 12" |
| ⑤ EXISTING HMA OVERLAY 3 3/4" (APPROX) | ⑬ PROPOSED PCC SIDEWALK 5" |
| | ⑭ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2" & HOT-MIX ASPHALT SURFACE COURSE, MIX E, N90, 1 1/2" |

SWEETS DRIVE

PROPOSED MULTI-USE PATH
END STA. 118+10.45



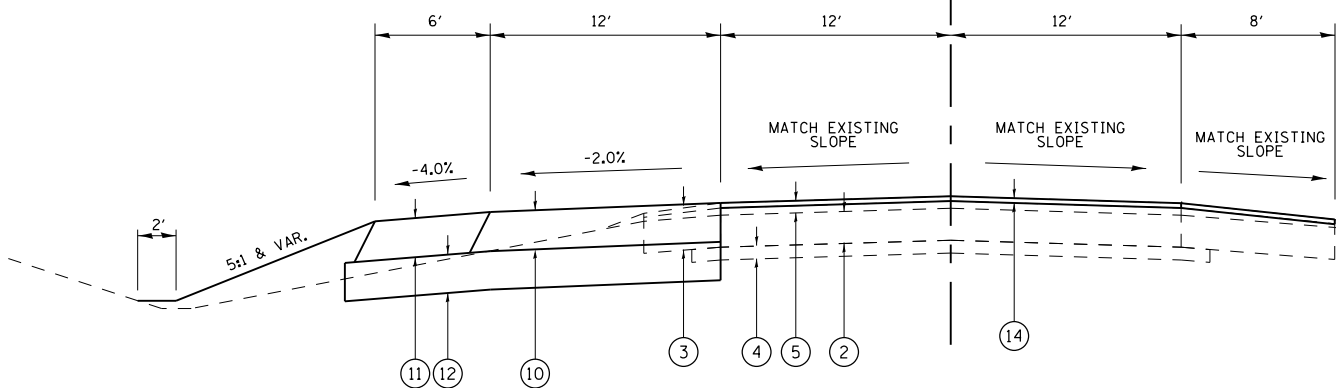
PAVING DETAIL FOR LANE ADDITION



- ① POLYMERIZED HMA SURFACE COURSE, MIX E, N90, 1 1/2"
- ② POLYMERIZED HMA BINDER COURSE, N90, IL-19.0, 2 3/4"
- ③ HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0
- ④ HOT-MIX ASPHALT SHOULDERS, IL-9.5L, 3" MAX
- ⑤ HOT-MIX ASPHALT SHOULDERS, IL-19.0L
- ⑥ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 12"

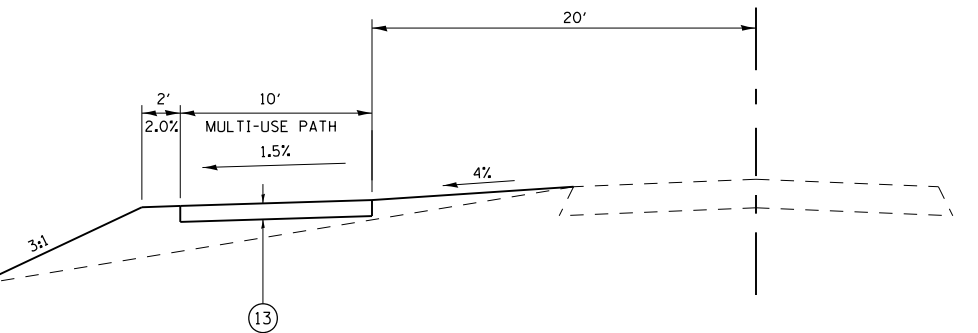
* FOR INFORMATION ONLY - NOT PAY ITEMS
SEE MIX DESIGN TABLES FOR MORE INFORMATION

IL RTE 13
(EASTBOUND)
LOOKING EAST



**TYPICAL SECTION
STA. 92+25.49 TO 115+68.17**

SWEETS DRIVE

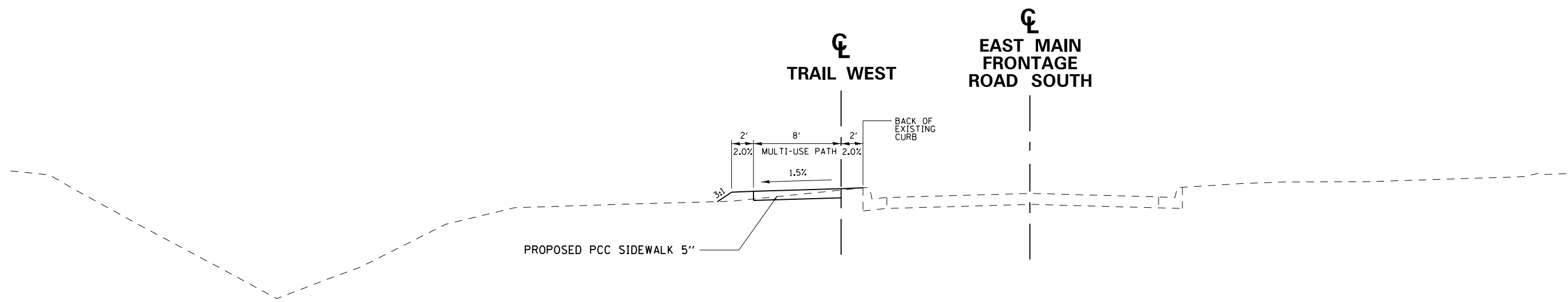


FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -
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PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/23/2018	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICALS (EAST BOUND)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	22
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				



**TYPICAL SECTION
STA. 0+00.00 TO 10+13.19**

FILE NAME =	USER NAME = naasdp	DESIGNED -	REVISED -
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Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/23/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICALS (TRAIL WEST)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	23
			CONTRACT NO. 78295	
ILLINOIS FED. AID PROJECT				

REMOVAL SCHEDULE

LOCATION STATION TO STATION	TREE REMOVAL 6-15 (UNIT)	TREE REMOVAL OVER 15 (UNIT)	TREE REMOVAL ACRES (ACRE)	HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2" (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH (SQ YD)	PAVED SHOULDER REMOVAL (SQ YD)	PAVEMENT REMOVAL (SQ YD)	SIDEWALK REMOVAL (SQ FT)	COMBINATION CURB & GUTTER REMOVAL (FOOT)	PAVED DITCH REMOVAL (FOOT)	STORM SEWER REMOVAL 15" (FOOT)	REMOVING INLETS (EACH)	CONCRETE HEADWALL REMOVAL (EACH)	REMOVE EXISTING FLARED END SECTION (EACH)	COMMENTS
IL13WB															
51 + 20 LT TO 55 + 95 LT			0.10												
51 + 40.15 LT TO 55 + 88.5 LT							340								
51 + 40.15 TO 64 + 50.99				1938		2000									PAVED SHOULDR REM. QUANTITY INCLUDES LT. AND RT. SHOULDERS
51 + 40.2 LT TO 61 + 42.00 LT					1275										VARIABLE MILLING ON EXISTING OUTSIDE IL13WB LANE
63+01.21, 60.62 LT														1	
66 + 57.6 TO 86 + 46.3				4909		3302									S.N. 039-0062
80 + 10 LT TO 87 + 15 LT			0.56												PAVED SHOULDR REM. QUANTITY INCLUDES LT. AND RT. SHOULDERS
89 + 53.70 TO 94 + 73.60				1271											S.N. 039-0061
89 + 53.70 TO 96 + 00.00						985									PAVED SHOULDR REM. LT. ENDS STA. 94+82.12
90 + 36 LT TO 93 + 46 LT			0.07												
92 + 49.3 LT TO 94 + 73.60 LT							146								
IL13EB															
48 + 44.24 TO 64 + 16.99				5460											
48 + 44.25 LT TO 64 + 17.1 LT						766									
48 + 44.25 RT TO 55 + 97.98 RT.						850									
48 + 44.25 RT TO 55 + 97.98 RT.							215								
53+78.10, 96.83 RT TO 53+98.15, 100.56 RT									20						
66 + 22 RT TO 83 + 07 RT			0.47												S.N. 039-0078
66 + 23.01 TO 85 + 68.49				6923		938									PAVED SHOULDR REM. QUANTITY IS LT. SHOULDER ONLY
76+46.69, 36.26 LT TO 76+63.20, 36.12 LT										16.5					
76+73.20, 37.40 LT TO 76+88.89, 36.89 LT										15.7					
88 + 28 RT TO 93 + 50 RT			0.05												S.N. 039-0079
88 + 75.1 TO 117 + 73.28						1372									PAVED SHOULDR REM. QUANTITY IS LT. SHOULDER ONLY
88 + 75.20 TO 115 + 68.17				9618											
90+85, 62' LT TO 91+75, 46' LT										90					
97+18.06, 37.09 LT												1			
114 + 12.40 LT TO 117 + 73.28 LT							238								
117+05.80, 69.01 RT													1		
GIANT CITY RD.															
96+46.69, 30.71 RT TO 96+98.74, 53.96 RT									62						
96+46.75, 33.06 RT TO 96+98.83, 65.79 RT								298							
96+52.96, 33.51 LT TO 96+90.56, 45.53 LT								181							
96+72.74, 30.98 LT TO 96+84.08, 34.72 LT									12						
97+47.71, 65.34 RT TO 97+56.48, 53.90 RT									15						
MULTI-USE TRAIL WEST															
5+25 LT TO 8+00 LT	40														
7+00 LT		21													
CONSTRUCTION STAGING															
EASTBOUND CROSSOVER PAVEMENT															
1 + 42.70 TO 8 + 05.77							776								EASTBOUND CROSSOVER (WEST END)
42 + 90.00 TO 47 + 60.71							553								EASTBOUND CROSSOVER (EAST END)
TOTALS	40	21	1.25	30119	1275	10213	2268	479	109	90	32	1	1	1	

PAVING SCHEDULE

LOCATION STATION TO STATION	LENGTH (FEET)	WIDTH (FEET)	PCC SIDEWALK 6" SPECIAL (SQ FT)	PCC SIDEWALK 5" (SQ FT)	PROTECTIVE COAT (SQ YD)	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE MIX "E", N90 (TON)	HOT-MIX ASPHALT SHOULDERS (TON)	HOT-MIX ASPHALT SHOULDERS 12 1/4" (SQ YD)	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH) 12 1/4" (SQ YD)	PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" (SQ YD)	SUBBASE GRANULAR MATERIAL TYPE A 6" (SQ YD)	SUBBASE GRANULAR MATERIAL TYPE A 12" (SQ YD)	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) (POUND)	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB (SQ YD)	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB (SQ YD)	COMMENTS
IL13WB																
51 + 40.15 LT TO 63 + 60.07 LT	1219.92	12						1627					732			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
51 + 40.15 RT TO 62 + 75.24 RT	1135.09	6						757					341			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
51 + 40.15 LT TO 64 + 50.99 LT	1310.84	12							1748				1180			TACK COAT QUANT. SHOWN IS 3 APPLICATIONS
51 + 40.15 LT TO 64 + 50.99 LT	1310.84	VAR										3779				
51 + 40.15 RT TO 64 + 50.99 RT	1310.84	VAR										1153				
51 + 40.15 TO 64 + 50.99	1310.84	22				270							1445			RESURFACING EXISTING LANES, 1 APPLICATION OF TACK COAT
62 + 75.24 RT TO 64 + 50.99 RT	175.75	VAR						173					78			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
63 + 60.07 LT TO 64 + 50.99 LT	90.92	VAR						153					69			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
64 + 40.99 TO 64 + 50.99	10.00													30		
S. N. 039-0062																
HMA STABILIZATION AT GUARDRAIL																
66 + 42.06 LT TO 86 + 81.52 LT	2039.46						210									
66 + 57.58 TO 66 + 67.58	10.00													30		
66 + 57.58 RT TO 69 + 08.43 RT	250.85	VAR						247					111			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
66 + 57.58 LT TO 86 + 56.12 LT	1998.54	12							2665				1799			TACK COAT QUANT. SHOWN IS 3 APPLICATIONS
66 + 57.58 LT TO 86 + 68.11 LT	2010.53	12						2681					1206			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
66 + 57.58 LT TO 86 + 68.11 LT	2010.53	VAR										5688				
66 + 57.58 RT TO 86 + 34.91 RT	1977.33	VAR										1800				
66 + 57.58 TO 86 + 46.31	1988.73	22				412							2209			RESURFACING EXISTING LANES, 1 APPLICATION OF TACK COAT
69 + 08.43 RT TO 84 + 60.69 RT	1552.26	6						1035					466			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
84 + 60.69 RT TO 86 + 34.91 RT	174.22	VAR						175					79			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
86 + 42.66 TO 86 + 66.52	23.86													45		
S. N. 039-0061																
89 + 42.30 RT TO 91 + 82.74 RT	240.44	VAR						234					105			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
89 + 42.30 RT TO 96 + 00.00 RT	657.70	VAR										623				
89 + 53.70 TO 94 + 73.60	519.90	22				107							572			RESURFACING EXISTING LANES, 1 APPLICATION OF TACK COAT
89 + 60.05 TO 89 + 85.49	25.44													53		
89 + 63.51 LT TO 92 + 33.60 LT	270.09	12							360				243			TACK COAT QUANT. SHOWN IS 3 APPLICATIONS
89 + 75.50 LT TO 94 + 73.60 LT	498.10	VAR						618					278			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
89 + 75.50 LT TO 94 + 73.60 LT	498.10	VAR										1540				
91 + 82.74 RT TO 96 + 00.00 RT	417.26	6						278					125			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
92 + 33.60 LT TO 94 + 73.60 LT	240.00	VAR(12-24)							480				324			TACK COAT QUANT. SHOWN IS 3 APPLICATIONS
IL13EB																
48 + 44.24 TO 64 + 16.99	1572.75	VAR				459							2457			RESURFACING EXISTING LANES, 1 APPLICATION OF TACK COAT
48 + 44.25 LT TO 53 + 98.44 LT	554.19	VAR(0-12)							414				279			TACK COAT QUANT. SHOWN IS 3 APPLICATIONS
48 + 44.25 LT TO 61 + 63.71 LT	1319.46	6						880					396			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
48 + 44.25 RT TO 51 + 52.88 RT	308.63	VAR						281					126			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
48 + 44.25 LT TO 64 + 16.99 LT	1572.74	VAR										3189				
48 + 44.25 RT TO 56 + 00.00 RT	VAR											538				
53 + 93.99 RT TO 64 + 09.52 RT	1015.53	VAR(8-10)		10126	1125											
53 + 98.44 LT TO 64 + 16.99 LT	1018.55	12							1358				917			TACK COAT QUANT. SHOWN IS 3 APPLICATIONS
54 + 04.08 RT TO 55 + 97.98 RT	193.90	8							172				78			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
61 + 63.71 LT TO 64 + 16.47 LT	252.76	VAR							253				114			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
61 + 69.87 RT TO 64 + 16.47 RT	246.60	VAR					46				145					
64 + 01.99 TO 64 + 16.99	15.00														96	
64 + 09.52 RT TO 64 + 46.49 RT	36.97	10	373.4		41											
S. N. 039-0078																
65 + 93.51 RT TO 66 + 30.48	36.97	10	373.4		41											
66 + 23.01 TO 66 + 38.01	15.00														87	
66 + 23.01 LT TO 83 + 37.66 LT	1714.65	6						1143					514			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
66 + 23.01 LT TO 85 + 78.88 LT	1955.87	12							2608				1760			TACK COAT QUANT. SHOWN IS 3 APPLICATIONS
66 + 23.01 LT TO 85 + 87.39 LT	1964.38	VAR										4338				
66 + 23.01 TO 85 + 68.49	1945.48	32				582							3115			RESURFACING EXISTING LANES, 1 APPLICATION OF TACK COAT
66 + 23.47 RT TO 66 + 55.47 RT	32.00										8					
66 + 30.48 RT TO 85 + 41.96 RT	1911.48	10		19105	2123											
82 + 96.76 RT TO 85 + 54.20 RT	257.44	VAR					44				147					

PAVING SCHEDULE CONTINUED

LOCATION STATION TO STATION	LENGTH (FEET)	WIDTH (FEET)	PCC SIDEWALK 6" SPECIAL (SO FT)	PCC SIDEWALK 5" (SO FT)	PROTECTIVE COAT (SO YD)	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE MIX "E", N90 (TON)	HOT-MIX ASPHALT SHOULDERS (TON)	HOT-MIX ASPHALT SHOULDERS 12 1/4" (SO YD)	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH) 12 1/4" (SO YD)	PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" (SO YD)	SUBBASE GRANULAR MATERIAL TYPE A 6" (SO YD)	SUBBASE GRANULAR MATERIAL TYPE A 12" (SO YD)	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) (POUND)	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB (SO YD)	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB (SO YD)	COMMENTS	
83 + 37.66 LT TO 85 + 87.39 LT	249.73	VAR						243					109			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS	
85 + 39.20 TO 85 + 87.39															201		
85 + 41.96 RT TO 85 + 84.87 RT	42.91	10	405.5		45											S. N. 039-0079	
88 + 25.81 RT TO 88 + 68.72 RT	42.91	10	405.2		45												
88 + 62.50 TO 89 + 07.52															169		
88 + 62.50 RT TO 88 + 94.50 RT	32.00							2				7					
88 + 68.72 RT TO 118 + 10.50 RT	2941.78	10		29560	3284												
88 + 75.20 TO 115 + 68.17	2692.97	32				808							4328			RESURFACING EXISTING LANES. 1 APPLICATION OF TACK COAT	
88 + 85.99 LT TO 117 + 73.28 LT	2887.29	VAR										6272					
88 + 85.99 LT TO 117 + 73.28 RT	2887.29	12							3850				2599			TACK COAT QUANT. SHOWN IS 3 APPLICATIONS	
88 + 92.52 LT TO 117 + 73.28 LT	2880.76	6						1921					864			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS	
MULTI-USE TRAIL WEST																	
0 + 00.00 TO 10 + 13.19		8		8141	905												
GIANT CITY RD.																	
96+46.75, 33.06 RT TO 96+98.83, 65.79 RT		4		296	33												
96+52.96, 33.51 LT TO 96+90.56, 45.53 LT		5		228	25												
97+50.38, 62.08 RT TO 97+61.96, 63.37 RT		8		55	6												
CONSTRUCTION STAGING																	
CROSSOVER PAVEMENT																	
1 + 42.70 TO 8 + 05.77		26 & VAR			776					776	887					EASTBOUND CROSSOVER (WEST END)	
42 + 90.00 TO 47 + 60.71		26 & VAR			553					553	628					EASTBOUND CROSSOVER (EAST END)	
TOTALS				1558	67511	9003	2637	304	12868	13482	1329	1822	28920	29018	157	553	

EARTHWORK SCHEDULE

LOCATION STATION TO STATION	EARTH EXCAVATION (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE(+) OR SHORTAGE(-) (CU YD)	BORROW EXCAVATION (CU YD)
IL13WB						
51+40.15 TO 64+50.99	2050		1537	6799	-5262	
66+57.58 TO 86+46.31	5532		4149	6419	-2270	
89+53.70 TO 94+73.60	856		642	2212	-1570	
IL13EB						
48+37.86 TO 64+17.12	1401		1051	3763	-2712	
66+22.88 TO 85+68.62	6937	1091	5203	5235	-32	
88+75.05 TO 118+27.40	2270		1702	7963	-6260	
MULTI-USE TRAIL WEST						
0+00 TO 10+13.19	56		42	177	-136	
EASTBOUND CROSSOVER (STAGING)						
1+35 TO 13+25	134		100	181	-81	
42+88 TO 47+65	78		59	72	-13	
EASTBOUND CROSSOVER (FINAL)						
1+35 TO 13+25	154		116	104	11	
42+88 TO 47+65	51		38	74	-35	
TOTALS	19518	1091	14638	32999	-18361	24481

25% SHRINKAGE FACTOR FOR EARTH EXCAVATION AND BORROW EXCAVATION.
 EARTHWORK REQUIRED TO COMPLETE THE FINAL CROSSOVER GRADING IS AN ESTIMATE. FINAL QUANTITY TO BE DETERMINED BY THE ENGINEER.
 SEE IL13EB CROSS SECTIONS (STA. 77+50 TO 85+00) FOR LOCATIONS OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

SEEDING & EROSION CONTROL

LOCATION STATION TO STATION	SEEDING CLASS 1B (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	AGRICULTURAL GROUND LIMESTONE (TON)	MULCH METHOD 2 (ACRE)	EROSION CONTROL BLANKET (SQ YD)	SEEDING CLASS 7 (ACRE)	TEMPORARY DITCH CHECKS (FOOT)	INLET & PIPE PROTECTION (EACH)	PERIMETER EROSION BARRIER (FOOT)	TEMPORARY EROSION CONTROL SEEDING (POUND)	COMMENTS
IL13WB													
51+15 LT TO 51+75 LT											89		
51+15 LT TO 64+65 LT	1.40	224.3	168.2	168.2	2.80	2.80	6786	1.40					
51+45 TO 54+45 LT									22				2 @ 11'
57+00 LT TO 59+50 LT											256		
58+10 TO 61+40 LT									90				9 @ 10'
63+01, 90' LT										1			
63+10 TO 64+25 LT									108				6 @ 18'
66+40 LT TO 87+14 LT	2.59	414.8	311.1	311.1	5.18	5.18	12546	2.59					
66+50 LT TO 69+00 LT											260		
70+85 TO 85+55 LT									108				6 @ 18'
89+90 LT TO 94+96 LT	0.39	62.8	47.1	47.1	0.79	0.79	1900	0.39					
89+91 LT TO 92+49 LT											268		
92+00 TO 94+70 LT									50				5 @ 10'
94+50 LT TO 94+97 LT											74		
IL13EB													
48+37 LT TO 50+82 LT											252		
48+38 LT TO 64+31 LT	0.79	125.9	94.4	94.4	1.57	1.57	3808	0.79					
48+42 RT TO 56+00 RT											761		
48+44 RT TO 56+02 RT	0.34	54.6	40.9	40.9	0.68	0.68	1650	0.34					
50+50 TO 52+50 LT									22				2 @ 11'
54+00 RT TO 56+82 RT											300		
54+00 RT TO 64+17 RT	0.73	117.1	87.8	87.8	1.46	1.46	3542	0.73					
56+70 TO 58+40 RT									90				9 @ 10'
56+89, 78' RT										1			
57+00 TO 58+15 RT									80				8 @ 10'
58+40 RT TO 64+17 RT											578		
62+76, 45' LT										1			
66+23 LT TO 85+95 LT	0.67	106.4	79.8	79.8	1.33	1.33	3220	0.67					
66+23 RT TO 85+46 RT	3.11	497.5	373.1	373.1	6.22	6.22	15049	3.11					
68+50 TO 74+75 LT									33				3 @ 11'
69+00 RT TO 73+50 RT											450		
69+45 TO 85+45 RT									90				5 @ 18'
76+34, 40' LT										1			
77+00, 41' LT										1			
78+05 TO 80+75 LT									20				2 @ 10'
88+28 RT TO 118+28 RT	2.00	320.8	240.6	240.6	4.01	4.01	9704	2.00					
88+28 RT TO 90+88 RT											260		
88+95 LT TO 117+80 LT	0.98	157.2	117.9	117.9	1.97	1.97	4756	0.98					
90+50 TO 92+75 RT									140				14 @ 10'
91+10 TO 116+45 LT									150				15 @ 10'
92+73 RT TO 99+00 RT											635		
97+18, 41' LT										1			
99+75 TO 117+35 RT									90				9 @ 10'
101+57, 50' RT										1			
104+62, 41' LT										1			
105+05, 49' RT										1			
109+70 RT TO 115+50 RT											580		
116+84, 48' RT										1			
MULTI-USE TRAIL WEST													
0+00 TO 10+13.19	0.17	27.8	20.8	20.8	0.35	0.35	840	0.17			1020		
GIANT CITY RD.													
96+43 RT TO 96+95 RT	0.01	1.5	1.1	1.1	0.02	0.02	46	0.01			65		
96+52 LT TO 96+91 LT	0.00	0.6	0.4	0.4	0.01	0.01	17	0.00			39		
EB CROSSOVER (STAGING)													
1+00 LT TO 1+98 LT											99		
1+36 LT TO 13+22 LT	0.25	40.7	30.5	30.5	0.51	0.51	1231	0.25					EB CRSVR (WEST END)
1+75 TO 2+50 LT									22				2 @ 11'
9+00 TO 13+10 RT									22				2 @ 11'
42+89 RT TO 47+65 RT	0.04	6.8	5.1	5.1	0.09	0.09	206	0.04					EB CRSVR (EAST END)
44+50, 26' RT										1			
47+60 LT									11				1 @ 11'
TOTALS	13.49	2159	1619	1619	27.0	26.98	65300	13.49	1148	11	5986	35147	

PAVEMENT MARKING

LOCATION STATION TO STATION	LENGTH (FEET)	PERFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID						MODIFIED URETHANE PAVEMENT MARKING			PAVMNT MARKING REMOVAL GRINDING (SQ FT)	COMMENTS	
		LINE 4" (FOOT)						LETTERS & SYMBOLS (SQ FT)	LINE 4" SKIP DASH YELLOW (FOOT)	LINE 12" SOLID WHITE (FOOT)			LINE 24" SOLID WHITE (FOOT)
		E. O. P.		SKIP DASH WHITE	SKIP DASH WHITE	E. O. P.							
		SOLID YELLOW	WHITE			SOLID YELLOW	WHITE						
IL13WB													
49 + 00 TO 97 + 00	4800					4800						INSIDE EOP	
49 + 00 TO 97 + 00	4800			1200								THROUGH LANE	
49 + 00 TO 97 + 00	4800				1200							CENTER LINE	
49 + 00 TO 101 + 00	5200		5200									OUTSIDE EOP	
IL13EB													
47 + 00 TO 117 + 73	7073	7073										INSIDE EOP	
47 + 00 TO 117 + 73	7073			1768								THROUGH LANE	
47 + 00 TO 115 + 68	6868				1717							CENTER LINE	
47 + 00 TO 115 + 68	6868					6868						OUTSIDE EOP	
109+50 LT.							41.5					LANE DROP ARROW	
111+50 LT.							41.5					LANE DROP ARROW	
MULTI-USE TRAIL													
0+00 (MULTI-USE TRAIL WEST) TO 46+75 (SWEETS DR.)	7436							1859					
GIANT CITY ROAD													
96+76.7, 28.9 LT TO 96+76.7, 29.6 RT									144			PEDESTRIAN CROSSING	
96+98.7, 47.1 RT TO 97+49.3, 57.5 RT									132			PEDESTRIAN CROSSING	
97+24.05, 54.14 RT TO 97+33.37, 54.14 RT TO 97+45.90, 63.70 RT										25.8		STOP BAR	
97+24, 46.8 RT TO 97+50, 57.4 RT											64.8	REMOVE EXT. STOP BAR	
SUBTOTALS		7073	5200	2968	2917	4800	6868						
TOTALS		29826						83	1859	276	26	65	

PAVEMENT MARKING (IL13 WESTBOUND CONSTRUCTION STAGING)

LOCATION STATION TO STATION	LENGTH (FEET)	PAINT PAVEMENT MARKING LINE 4"						PAVEMENT MARKING REMOVAL GRINDING (SQ FT)	COMMENTS
		LEFT	LEFT	LEFT	CENTER LINE	RIGHT	RIGHT		
		SOLID (FOOT)	SOLID (FOOT)	SOLID (FOOT)	SOLID • (FOOT)	SOLID (FOOT)	SOLID (FOOT)		
IL13WB									
STAGE 1									
51 + 00 TO 101 + 50	5050		5050	5050		5050		2104	REMOVE EXISTING C.L. & OUTSIDE E.O.P.
STAGE 2									
49 + 00 TO 97 + 00	4800			4800		4800	4800	4966	REMOVE EXISTING INSIDE EOP AND STAGE 1 PVMNT MRKING LINES.
97 + 00 TO 101 + 00	400			400					TAPER AT VETERANS PARKWAY
STAGE 3									
49 + 00 TO 97 + 00	4800	4800	4800	4800					
97 + 00 TO 101 + 00	400	400							
49 + 00 TO 101 + 00								9867	REMOVE ALL REMAINING PAVEMENT MARKING AFTER STAGE 4 AND PLACE SHORT TERM IN FINAL LANE LINES
SUBTOTALS		5200	9850	15050	0	9850	4800		
TOTALS				44750				16937	

- STAGE 2 IL13WB PAVEMENT MARKINGS WILL REMAIN IN PLACE AND BE USED FOR STAGE 4 IL13EB CROSSOVER TRAFFIC AS SHOWN ON THE CONSTRUCTION STAGING TYPICALS.
- STAGE 3 IL13WB PAVEMENT MARKINGS WILL REMAIN IN PLACE AND BE USED FOR STAGE 4 IL13WB TRAFFIC AS SHOWN ON THE CONSTRUCTION STAGING TYPICALS.
- ALL QUANTITIES SHOWN ABOVE ARE ESTIMATES AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
- CENTER LIINES SHOWN ARE SOLID UNLESS NOTED OTHERWISE

PAVEMENT MARKING (IL13 EASTBOUND CONSTRUCTION STAGING)

LOCATION STATION TO STATION	LENGTH (FEET)	PAINT PAVEMENT MARKING LINE 4"						PAVEMENT MARKING REMOVAL GRINDING (SQ FT)	COMMENTS
		LEFT	LEFT	LEFT	CENTER LINE	RIGHT	RIGHT		
		SOLID (FOOT)	SOLID (FOOT)	SOLID (FOOT)	SOLID • (FOOT)	SOLID (FOOT)	SOLID (FOOT)		
IL13EB									
STAGE 1									
23 + 00 TO 36 + 50	1350			1350				112	REMOVE EXISTING C.L.
36 + 75 TO 38 + 25	150			150	150			12	REMOVE EXISTING C.L.
38 + 25 TO 42 + 50	425				425			35	REMOVE EXISTING C.L.
44 + 25 TO 50 + 00	575				575			48	REMOVE EXISTING C.L.
50 + 00 TO 52 + 00	200				200			17	REMOVE EXISTING C.L. & OUTSIDE E.O.P.
52 + 00 TO 58 + 00	600				600	600	600	250	REMOVE EXISTING C.L. & OUTSIDE E.O.P.
87 + 50 TO 117 + 75	3025			3025		3025	3025	1260	REMOVE EXISTING C.L. & OUTSIDE E.O.P.
117 + 75 TO 119 + 50	175				175			131	REMOVE EXISTING C.L. , INSIDE E.O.P. & OUTSIDE E.O.P.
STAGE 2									
23 + 00 TO 58 + 00	3500							1350	REMOVE ALL STAGE 1 PAVEMENT MARKING
23 + 00 TO 42 + 50	1950				488				SKIPPED DASH CENTER LINE
44 + 25 TO 50 + 00	575				144				SKIPPED DASH CENTER LINE
50 + 00 TO 52 + 00	200				50		200		SKIPPED DASH CENTER LINE
52 + 00 TO 58 + 00	600				150		600		SKIPPED DASH CENTER LINE
87 + 50 TO 119 + 50	3200							3083	REMOVE ALL STAGE 1 PAVEMENT MARKING
87 + 50 TO 119 + 50	3200			3200	800		3200		SKIPPED DASH CENTER LINE
STAGE 4									
23 + 00 TO 39 + 75	1675						1675		
37 + 79 TO 40 + 07	228						228		
37 + 79 TO 43 + 75	596						596		
44 + 00 TO 48 + 00	400						400		
48 + 00 TO 52 + 00	400							300	REMOVE CONFLICTING C.L. AND E.O.P LINES THROUGHOUT TRANSITION
48 + 00 TO 48 + 90	90			90	90	90			
94 + 50 TO 98 + 50	400							300	REMOVE CONFLICTING C.L. AND E.O.P LINES THROUGHOUT TRANSITION
23 + 00 TO 98 + 50								1056	REMOVE ALL REMAINING PAVEMENT MARKING AFTER STAGE 4 AND PLACE SHORT TERM IN FINAL LANE LINES
IL13EB CROSSOVER									
0 + 00 TO 8 + 06	806			806	806	806			ALONG EB CROSSOVER C.L. (WEST END)
42 + 82 TO 50 + 05	723			723	723	723			ALONG EB CROSSOVER C.L. (EAST END)
SUBTOTALS		0	0	9344	5375	6468	9300		
TOTALS				30487				7956	

- STAGE 2 IL13WB PAVEMENT MARKINGS WILL REMAIN IN PLACE AND BE USED FOR STAGE 4 IL13EB CROSSOVER TRAFFIC AS SHOWN ON THE CONSTRUCTION STAGING TYPICALS.
- STAGE 3 IL13WB PAVEMENT MARKINGS WILL REMAIN IN PLACE AND BE USED FOR STAGES 4 IL13WB TRAFFIC AS SHOWN ON THE CONSTRUCTION STAGING TYPICALS.
- ALL QUANTITIES SHOWN ABOVE ARE ESTIMATES AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
- CENTER LIINES SHOWN ARE SOLID UNLESS NOTED OTHERWISE

GUARDRAIL SCHEDULE

LOCATION STATION TO STATION	GUARDRAIL REMOVAL (FOOT)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	STEEL PLATE BEAM GUARDRAIL TYPE A 6' POSTS (FOOT)	GUARDRAIL REFLECTORS TYPE A (EACH)	TERMINAL MARKERS DIRECT APPLIED (EACH)	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	TEMPORARY STEEL PLATE BEAM GUARDRAIL TYPE A (FOOT)	STRONG POST GUARDRAIL ATTACHED TO CULVERT (FOOT)	COMMENTS
IL13WB SN 039-0062											
62 + 87.89 RT TO 63 + 37.89 RT						1	1				
62 + 87.89 RT TO 68 + 95.68 RT					9						
63 + 37.89 RT TO 64 + 37.89 RT								100.0			
63 + 72.89 LT TO 64 + 22.89 LT						1	1				
63 + 72.89 LT TO 91 + 64.51 LT					17						REFLECTORS EXTEND TO 039-0061
64 + 22.89 LT TO 64 + 65.99 LT								1			
64 + 37.89 RT TO 64 + 80.99 RT								1			
64 + 53.98 RT TO 64 + 80.48 RT	26.5										
64 + 54.95 LT TO 64 + 81.02 LT	26.1										
66 + 27.03 LT TO 68 + 72.68 LT	245.7										
66 + 27.58 RT TO 66 + 70.68 RT			1								
66 + 27.93 RT TO 69 + 11.06 RT	283.1										
66 + 40.08 LT TO 66 + 83.18 LT			1								
66 + 70.68 RT TO 68 + 45.68 RT				175.0							
66 + 83.18 LT TO 86 + 38.42 LT				1955.2							GUARDRAIL EXTENDS TO 039-0061
68 + 45.68 RT TO 68 + 95.68 RT		1				1					
IL13WB SN 039-7105											
76 + 80.81 LT TO 77 + 82.22 LT	101.4										(10X10 BOX CULVERT)
77+01 . 35.0 LT										19	
IL13WB SN 039-0061											
84 + 73.39 RT TO 85 + 23.39 RT						1	1				
84 + 73.39 RT TO 91 + 69.49 RT					10						
85 + 23.39 RT TO 86 + 23.39 RT								100.0			
86 + 23.39 RT TO 86 + 66.49 RT								1			
86 + 38.05 RT TO 86 + 64.77 RT	26.7										
86 + 38.42 LT TO 86 + 81.52 LT			1								
86 + 63.05 LT TO 86 + 88.75 LT	25.7										
89 + 13.53 RT TO 91 + 96.91 RT	283.4										
89 + 13.89 RT TO 89 + 56.99 RT			1								
89 + 36.18 LT TO 91 + 82.84 LT	246.7										
89 + 56.99 RT TO 91 + 19.49 RT				162.5							
89 + 58.91 LT TO 90 + 02.01 LT			1								
90 + 02.01 LT TO 91 + 14.51 LT				112.5							
91 + 14.51 LT TO 91 + 64.51 LT		1				1					
91 + 19.49 RT TO 91 + 69.49 RT		1				1					
IL13EB SN 039-0078											
61 + 03.09 RT TO 64 + 43.05 RT	340.0										
61 + 76.52 LT TO 62 + 26.52 LT		1				1					
61 + 76.52 LT TO 66 + 22.88 LT					6						
61 + 86.52 RT TO 62 + 36.52 RT		1				1					
62 + 11.52 RT TO 66 + 22.88 RT					7						
62 + 26.52 LT TO 63 + 89.02 LT				162.5							
62 + 36.52 RT TO 63 + 74.02 RT				137.5							
63 + 64.02 LT TO 64 + 42.09 LT	78.1										
63 + 74.02 RT TO 64 + 17.12 RT			1								
63 + 89.02 LT TO 64 + 32.12 LT			1								
IL13EB SN 039-7105											
75 + 86.98 LT TO 77 + 00.13 LT	113.2										(10X10 BOX CULVERT)

- TEMPORARY GUARDRAIL ITEMS SHALL BE REMOVED AT THE END OF STAGED CONSTRUCTION.

GUARDRAIL SCHEDULE CONTINUED

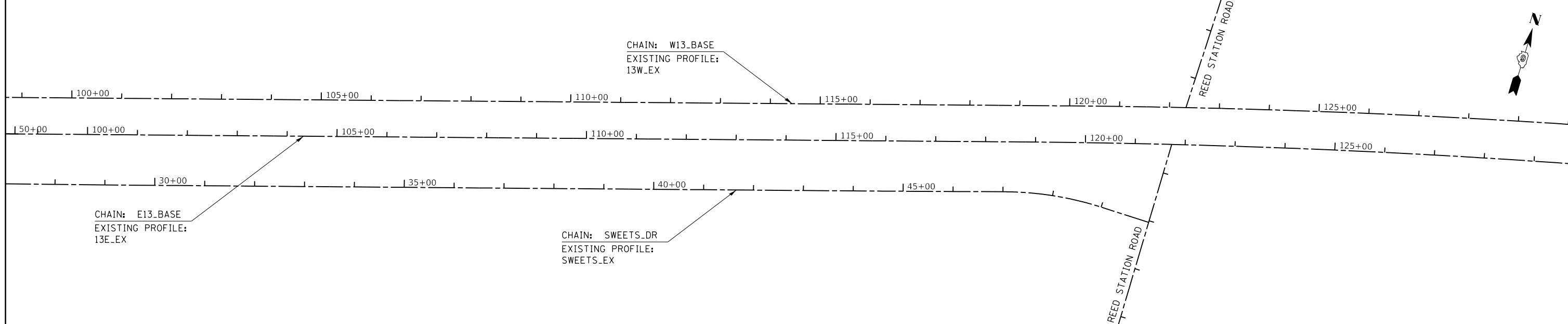
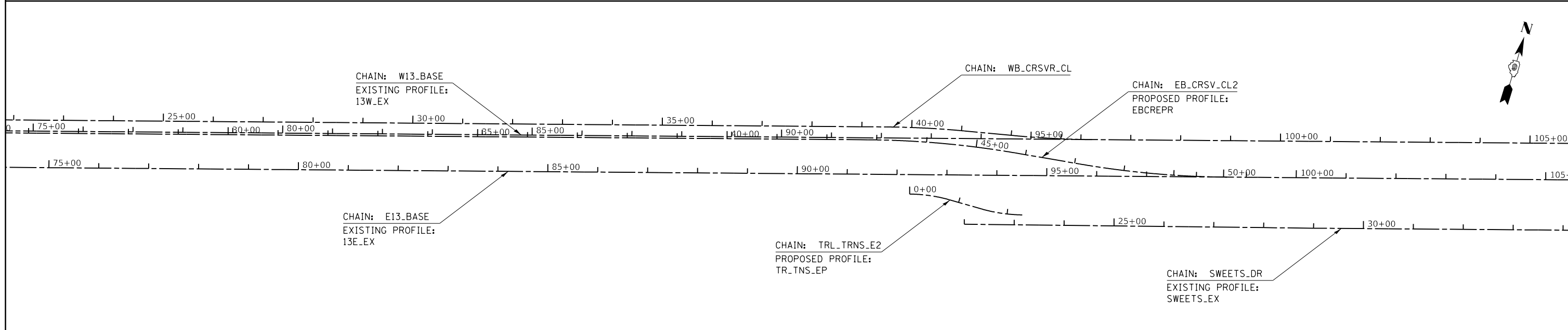
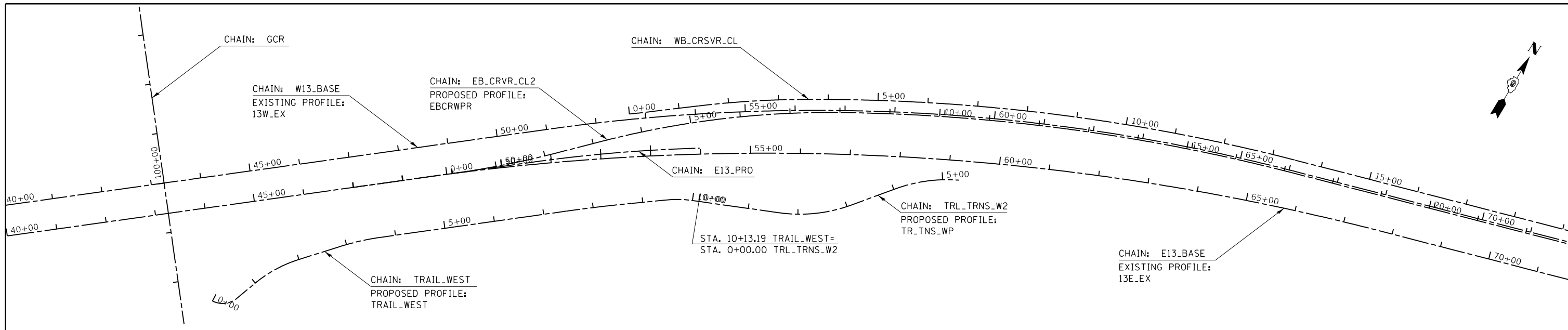
LOCATION STATION TO STATION	GUARDRAIL REMOVAL (FOOT)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	STEEL PLATE BEAM GUARDRAIL TYPE A 6' POSTS (FOOT)	GUARDRAIL REFLECTORS TYPE A (EACH)	TERMINAL MARKERS DIRECT APPLIED (EACH)	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	TEMPORARY STEEL PLATE BEAM GUARDRAIL TYPE A (FOOT)	STRONG POST GUARDRAIL ATTACHED TO CULVERT (FOOT)	COMMENTS
IL13EB SN 039-0079											
83 + 13.97 RT TO 83 + 63.97 RT		1				1					
83 + 43.39 RT TO 88 + 55.42 RT					8						
83 + 50.91 LT TO 84 + 00.91 LT		1				1					
83 + 50.91 LT TO 88 + 85.42 LT					8						
83 + 63.97 RT TO 85 + 13.97 RT				150.0							
84 + 00.91 LT TO 85 + 50.91 LT				150.0							
85 + 06.48 RT TO 85 + 84.08 RT	77.6										
85 + 13.97 RT TO 85 + 57.07 RT			1								
85 + 25.89 LT TO 86 + 04.95 LT	79.1										
85 + 50.91 LT TO 85 + 94.01 LT			1								
TOTALS	1953	7	9	3005.2	65	10	3	3	200	19	

- TEMPORARY GUARDRAIL ITEMS SHALL BE REMOVED AT THE END OF STAGED CONSTRUCTION.

BRIDGE DECK CONCRETE CRACK SEALER & APPROACH SLAB REPAIR

LOCATION STATION TO STATION	BRIDGE DECK CONCRETE CRACK SEALER (FOOT)	APPROACH SLAB REPAIR (PARTIAL DEPTH) (SQ YD)	COMMENTS
IL13WB			
SN 039-0062	600	3.0	
SN 039-0061	750		
TOTALS	1350	3.0	

-FINAL LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER

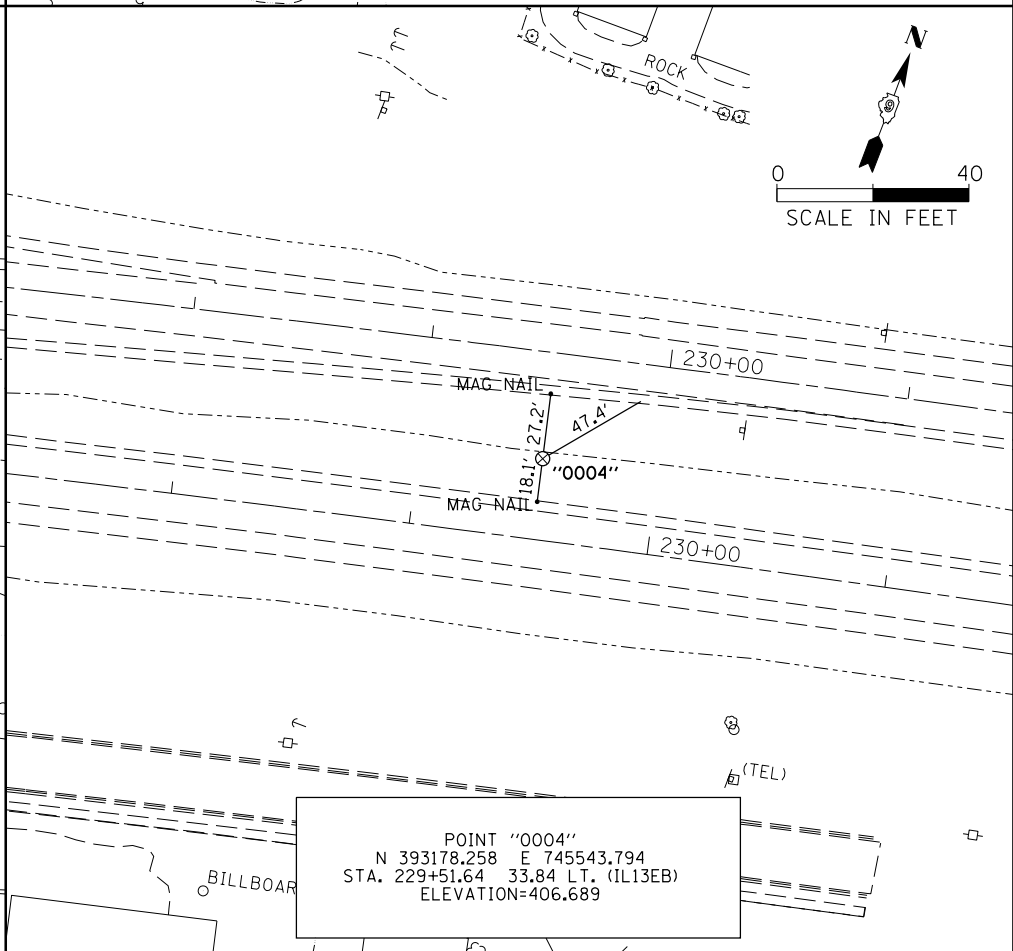
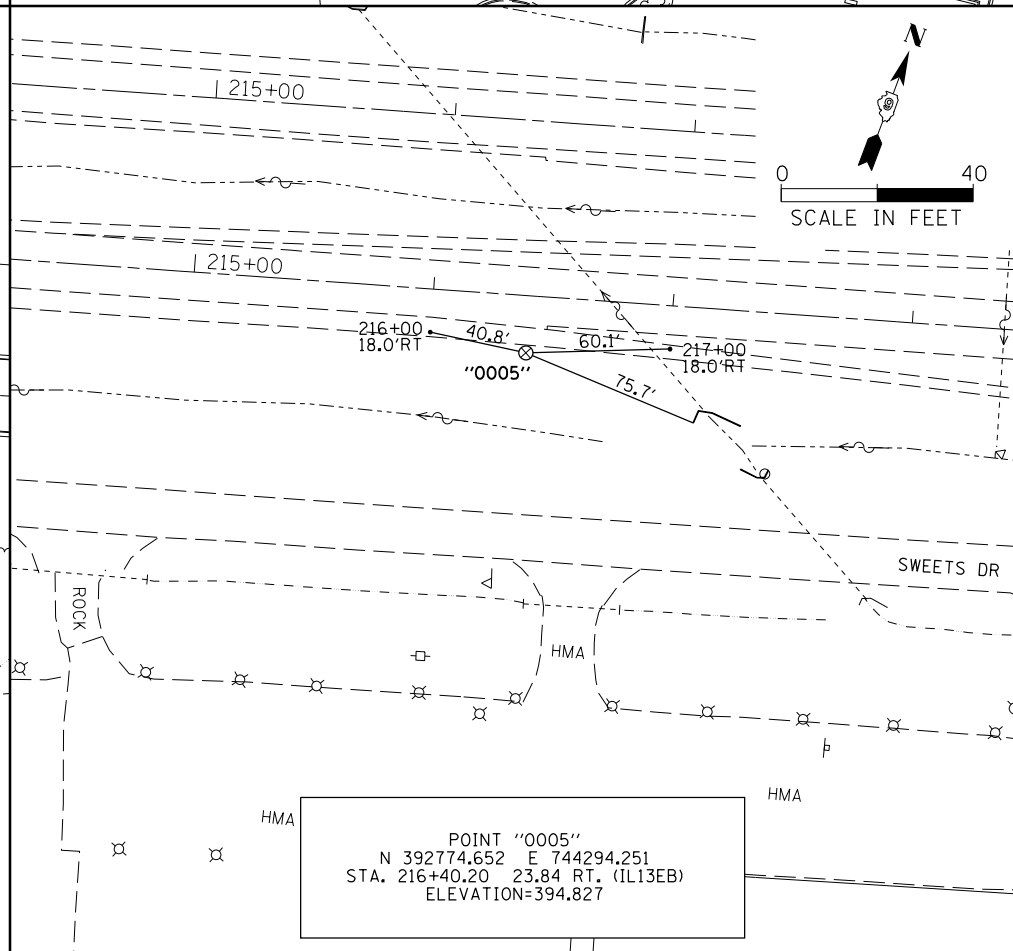
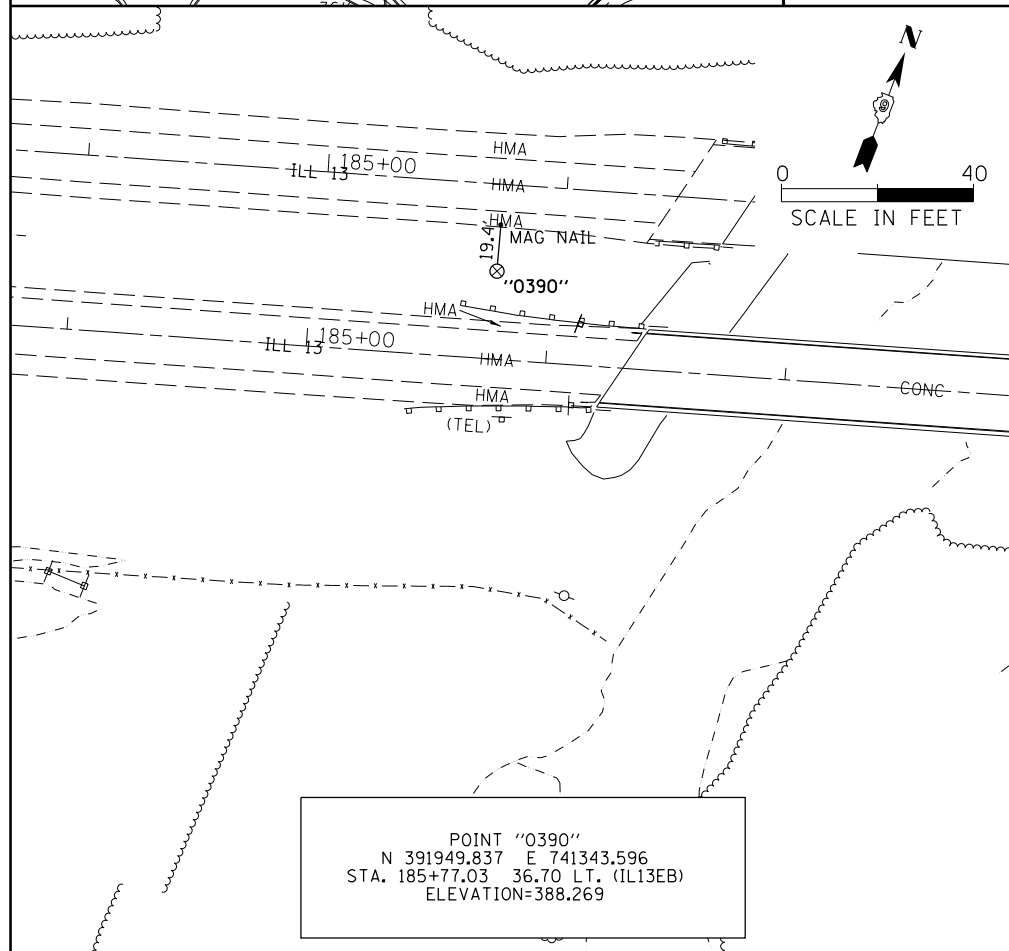
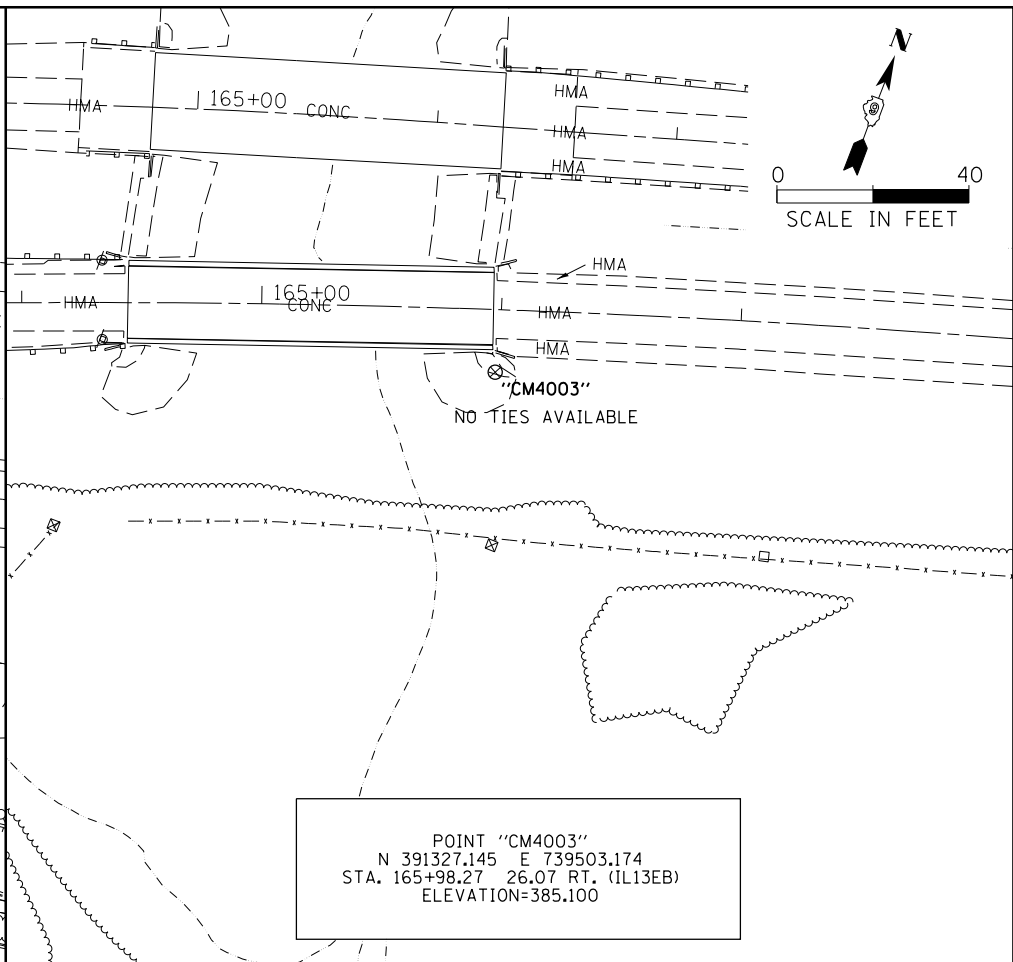
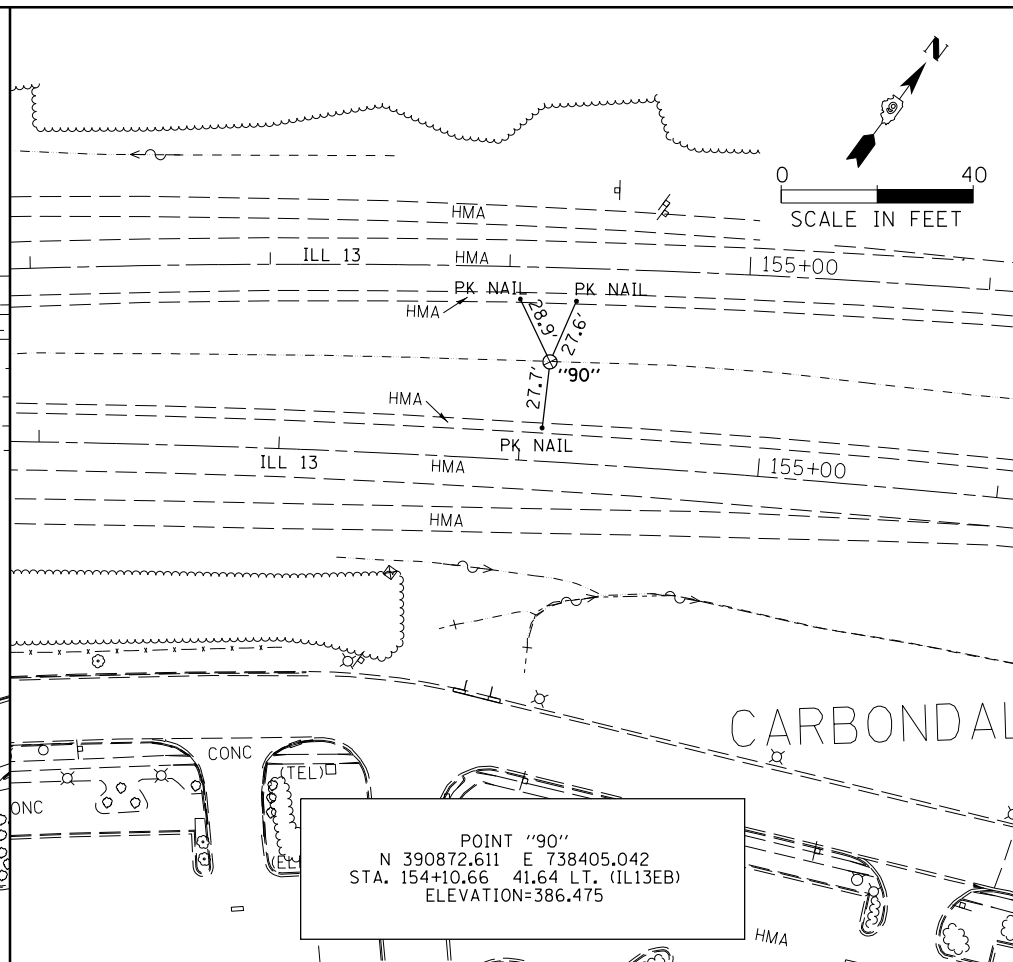
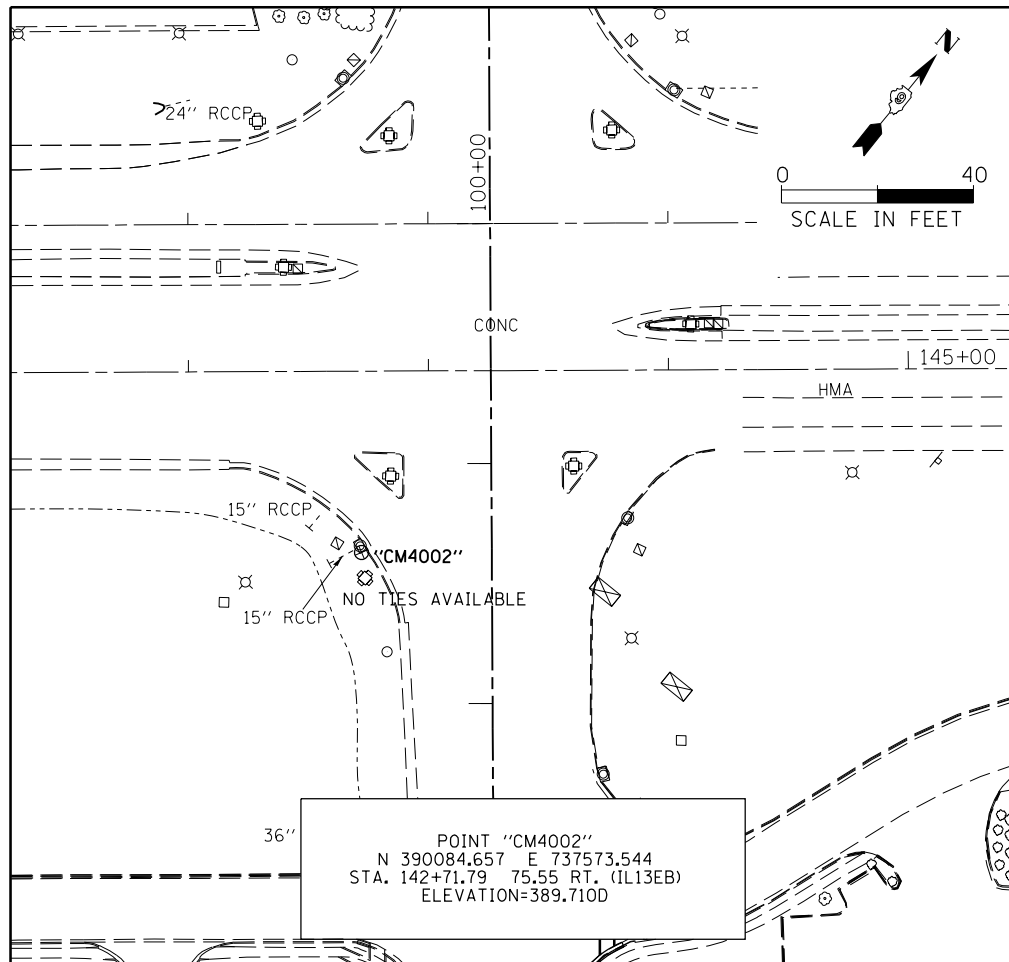


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Default	PLOT DATE = 3/23/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GEOPAK ELEMENTS				
SCALE:	SHEET	OF	SHEETS	STA.
				TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	34
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78295	



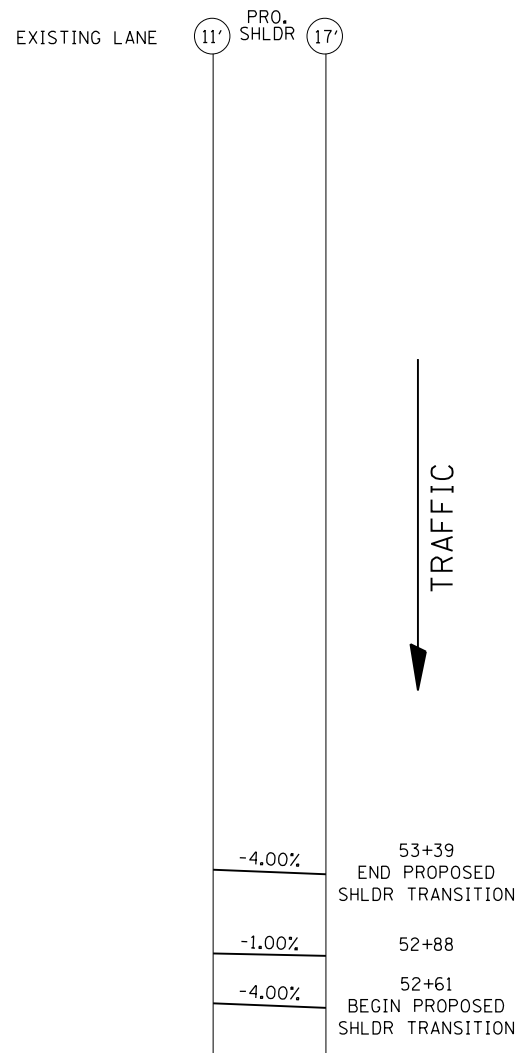
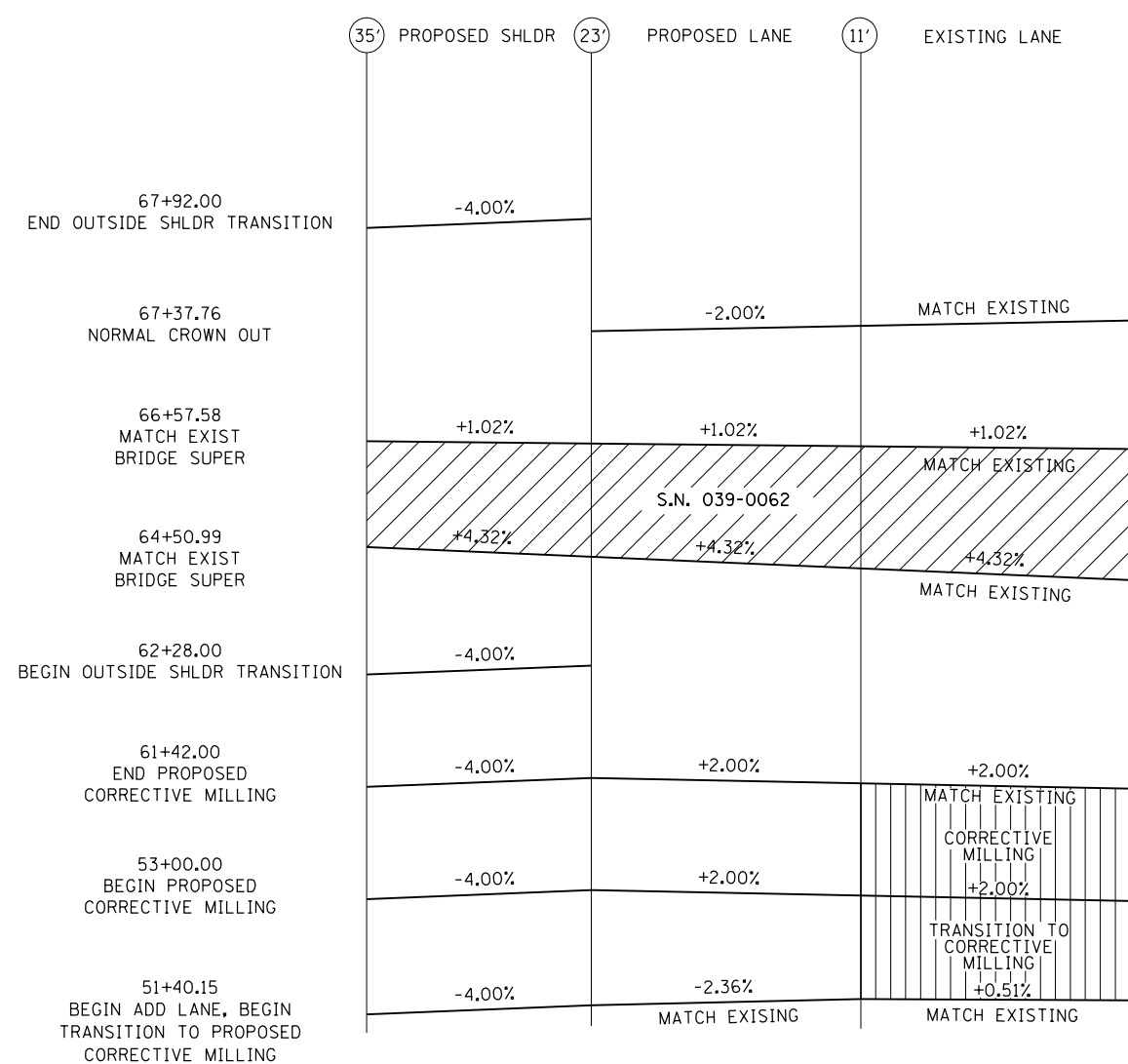
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PLOT SCALE = 80.0000' / in.	CHECKED -	REVISED -	
Default	DATE -	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TIE POINTS	
SCALE:	SHEET OF SHEETS STA. TO STA.

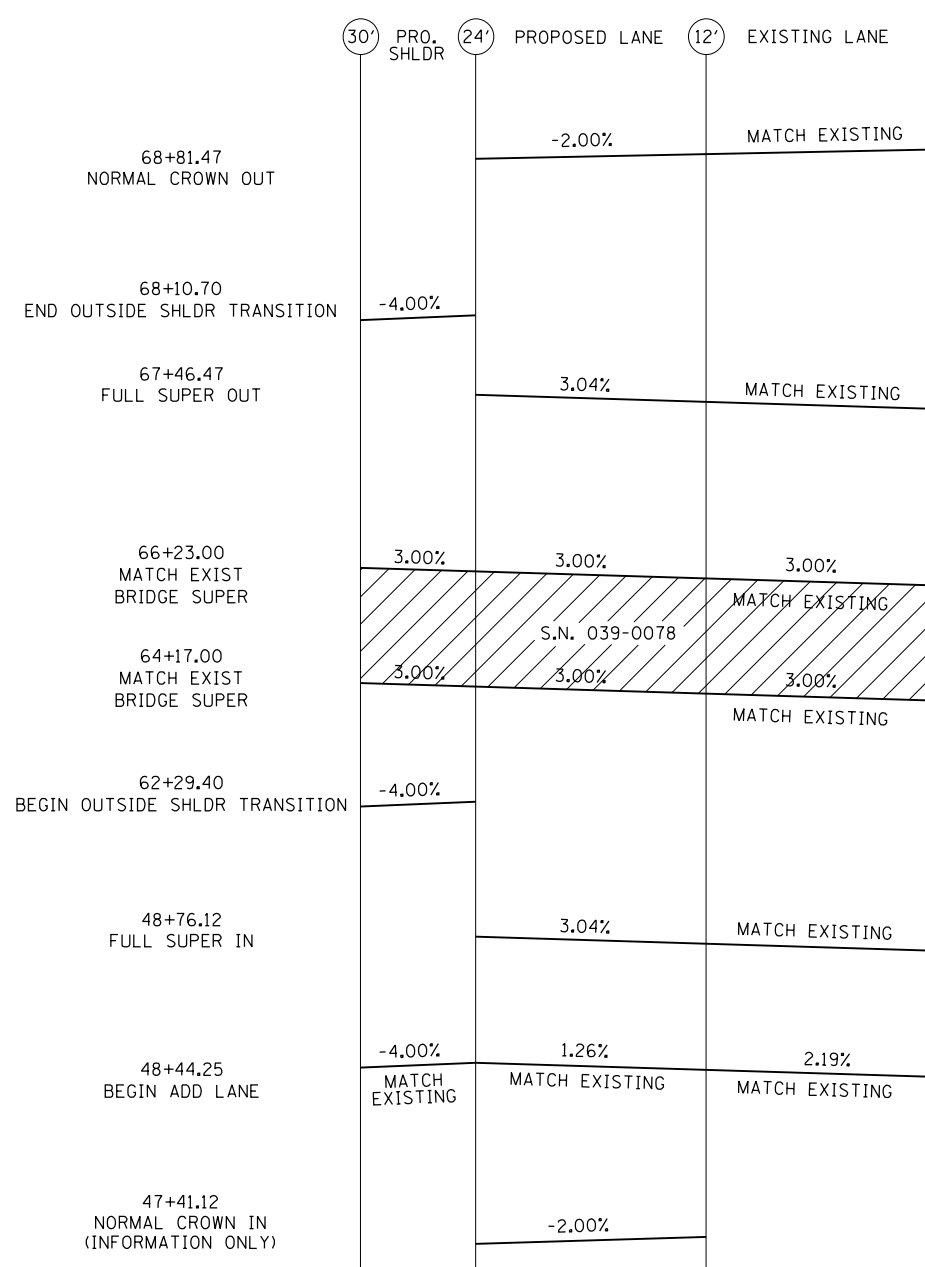
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	35
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				

⌘
**IL RTE 13
(WESTBOUND)**



INSIDE SHOULDER SLOPE TRANSITION
CONSTRUCTED TO ALLOW DRAINAGE
FOR STAGE 3 (EASTBOUND CROSSOVER).
SEE IL13WB CROSS SECTIONS

⌘
**IL RTE 13
(EASTBOUND)**



MODEL: Default
FILE: \\blb84e81dntec\illinois\pov\p\w\dot\Documents\dot\Office\Director\9\Projects\13\blb84e81dntec\blb84e81dntec\New\Cadd\data\Cadd\sheet\978295-SHB-2\p_Sch_Tile_GeopakElements.dgn

USER NAME = naasdp	DESIGNED -	REVISED -
PLOT SCALE = 10.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 3/23/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUPERELEVATION CHART

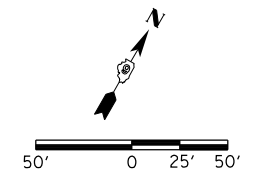
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	36
CONTRACT NO. 78295				
ILLINOIS			FED. AID PROJECT	

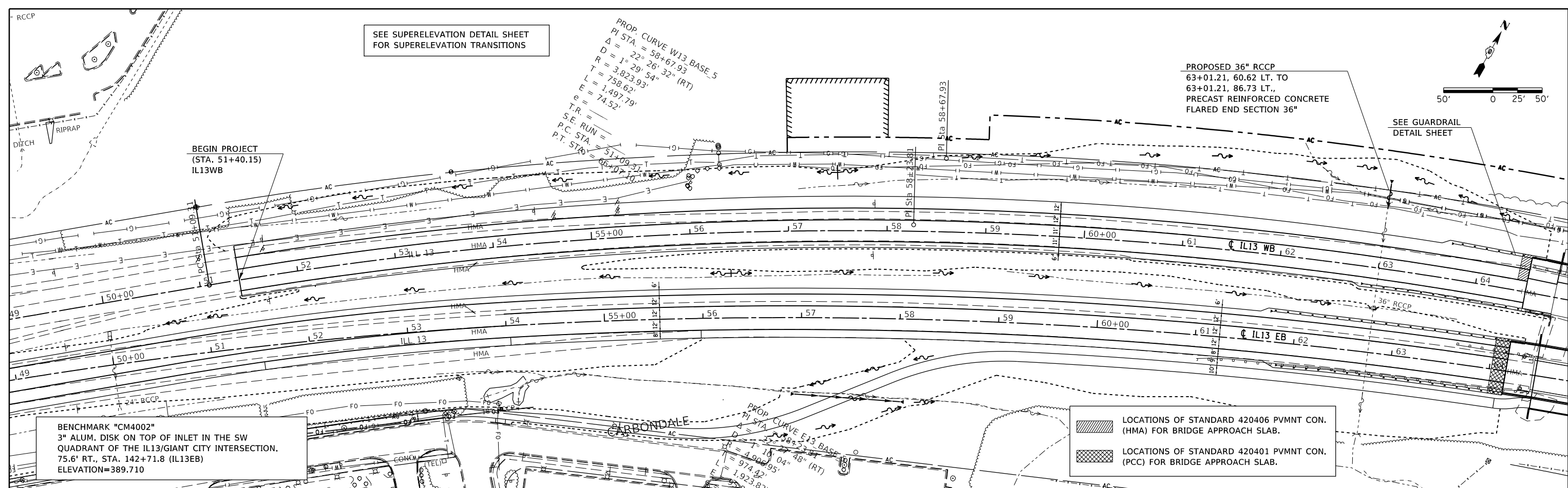
SEE SUPERELEVATION DETAIL SHEET FOR SUPERELEVATION TRANSITIONS

PROP. CURVE W13 BASE 5
 PI STA. = 58+67.93
 $\Delta = 22^\circ 26' 32''$ (RT)
 $D = 1^\circ 29' 54''$
 $R = 3,823.93'$
 $T = 758.62'$
 $L = 1,497.79'$
 $e = 74.52'$
 T.R. =
 S.E. RUN =
 P.C. STA. = 51+00.00
 P.T. STA. = 66+00.00

PROPOSED 36" RCCP
 63+01.21, 60.62 LT. TO
 63+01.21, 86.73 LT.,
 PRECAST REINFORCED CONCRETE
 FLARED END SECTION 36"

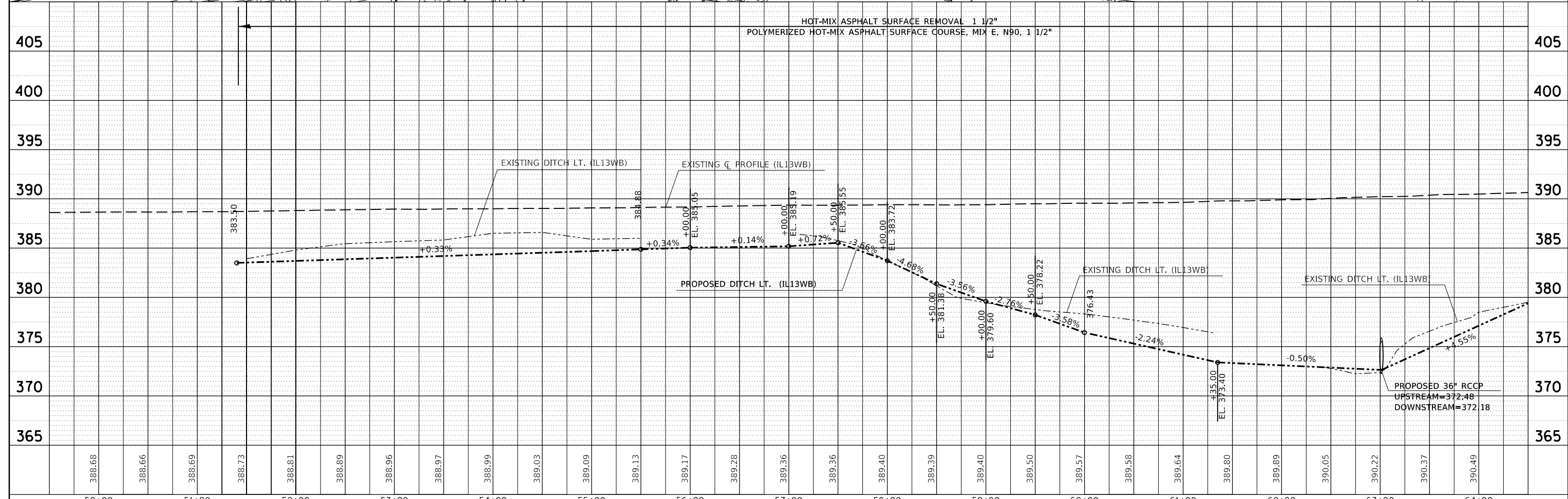


PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	FILED	NO.
	NOTE BOOK	NO.
	CARD FILE NAME	



BENCHMARK "CM4002"
 3" ALUM. DISK ON TOP OF INLET IN THE SW
 QUADRANT OF THE IL13/GIANT CITY INTERSECTION.
 75.6' RT., STA. 142+71.8 (IL13EB)
 ELEVATION=389.710

LOCATIONS OF STANDARD 420406 PVMNT CON.
 (HMA) FOR BRIDGE APPROACH SLAB.
 LOCATIONS OF STANDARD 420401 PVMNT CON.
 (PCC) FOR BRIDGE APPROACH SLAB.

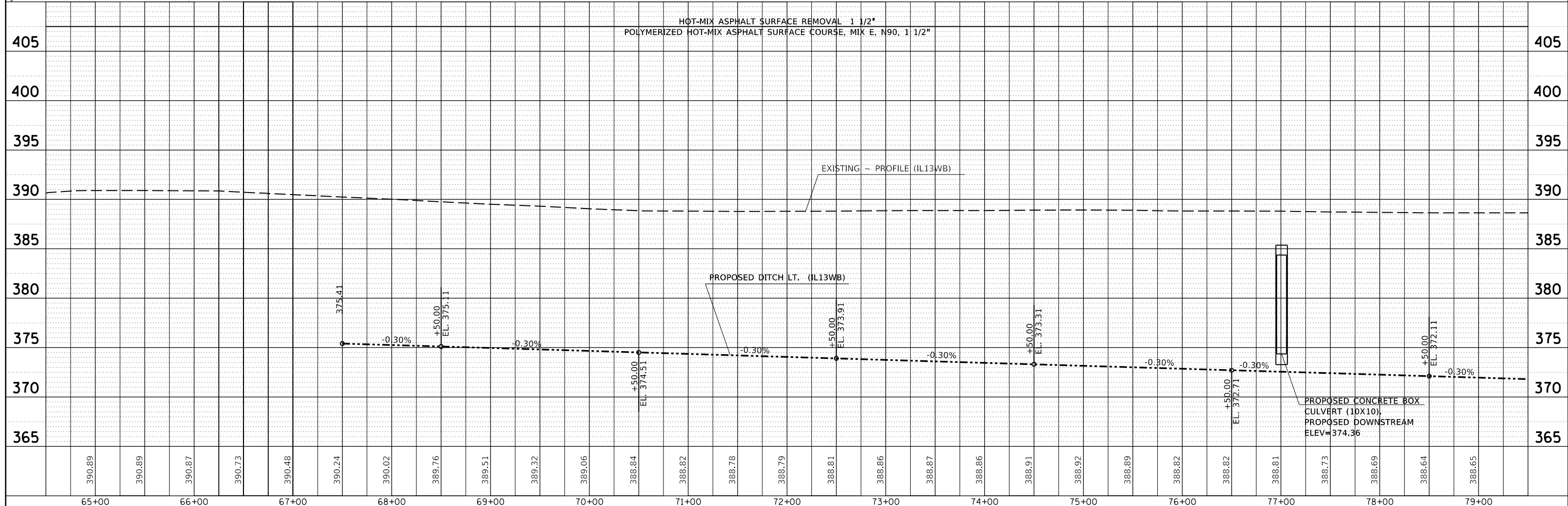
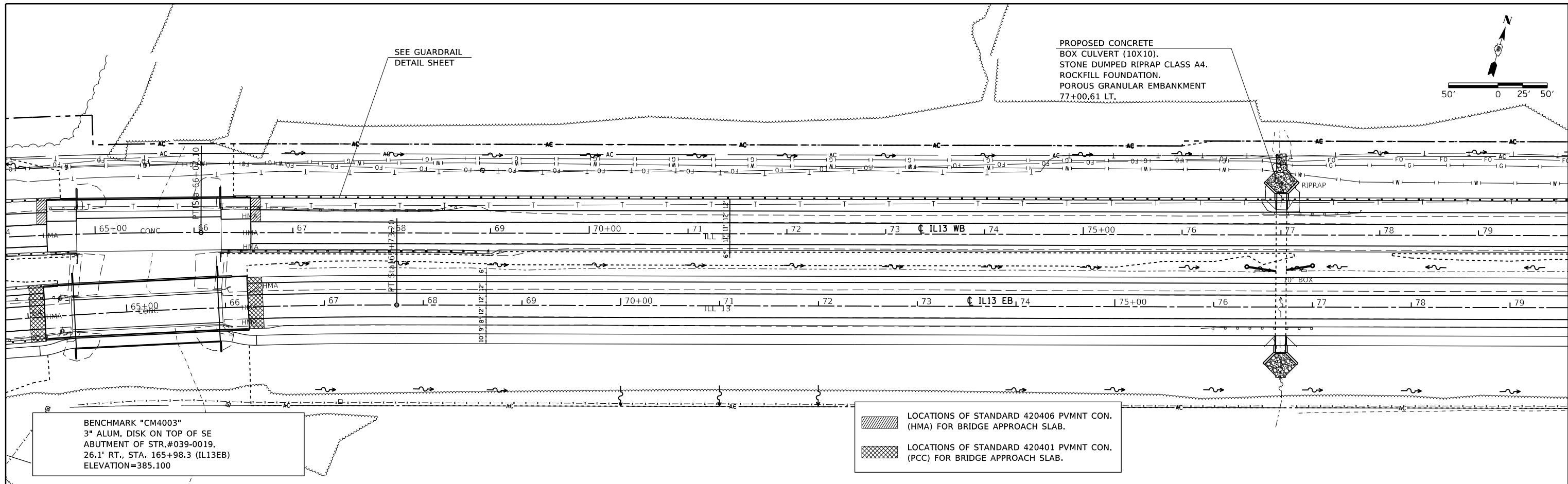


PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	CHECKED
	STRUCTURE	NOT AT THIS OFFICE
	NO.	

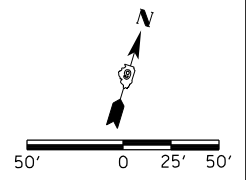
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Default		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	37
		DATE -	REVISED -						CONTRACT NO. 78295	
									ILLINOIS FED. AID PROJECT	

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
CADD FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
CADD FILE NAME	

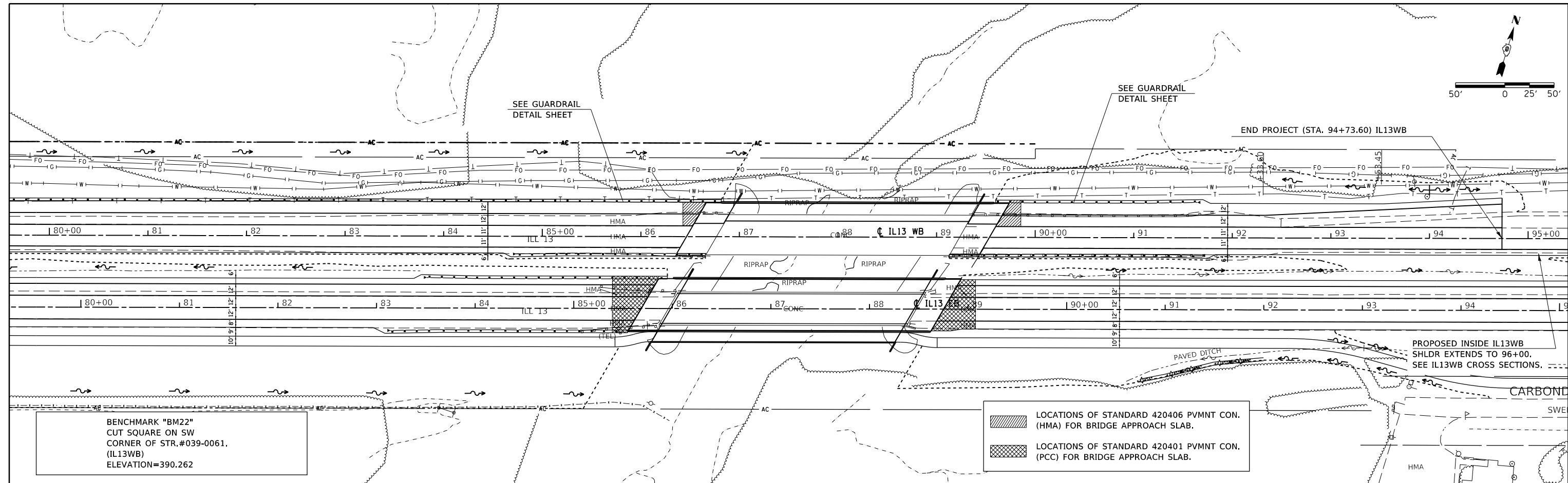


FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				PLAN PROFILE /IL 13 WEST BOUND				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		CHECKED -	REVISED -									331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	38
		DATE -	REVISED -									SCALE:		CONTRACT NO. 78295		
												SHEET OF SHEETS		ILLINOIS FED. AID PROJECT		



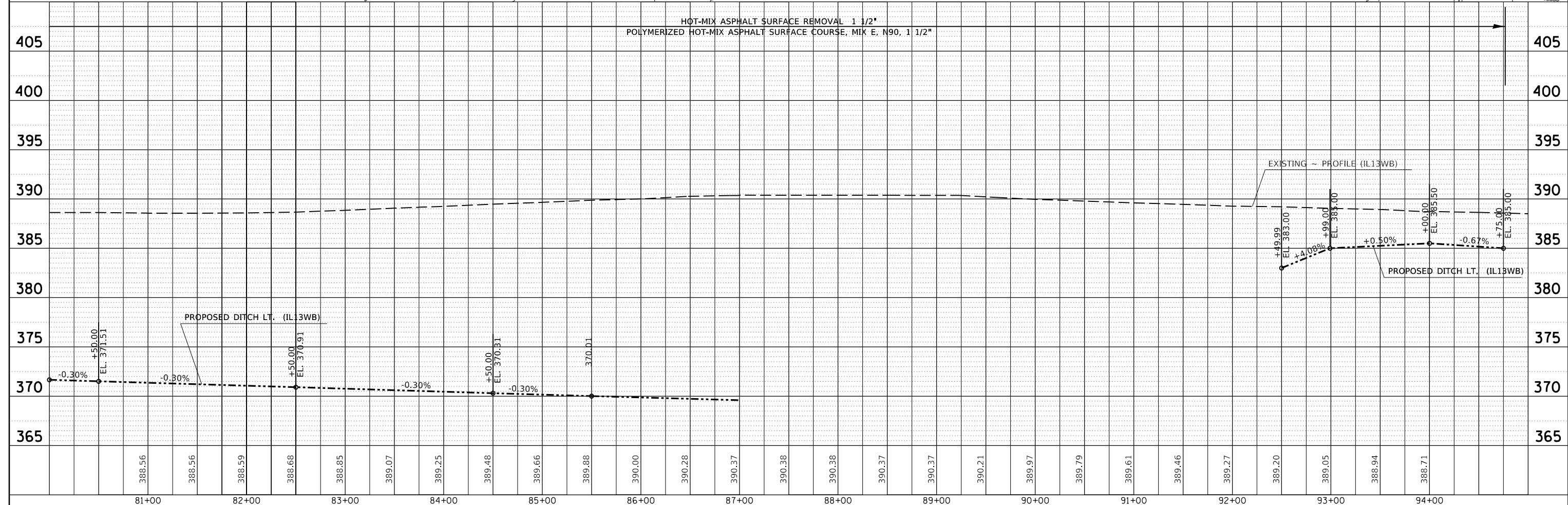
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	CADD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		
	NO.		



BENCHMARK "BM22"
CUT SQUARE ON SW
CORNER OF STR.#039-0061.
(IL13WB)
ELEVATION=390.262

- LOCATIONS OF STANDARD 420406 PVMNT CON. (HMA) FOR BRIDGE APPROACH SLAB.
- LOCATIONS OF STANDARD 420401 PVMNT CON. (PCC) FOR BRIDGE APPROACH SLAB.



FILE NAME =	USER NAME =	DESIGNED -	REVISED -	SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default		CHECKED -	REVISED -												
		DATE -	REVISED -												

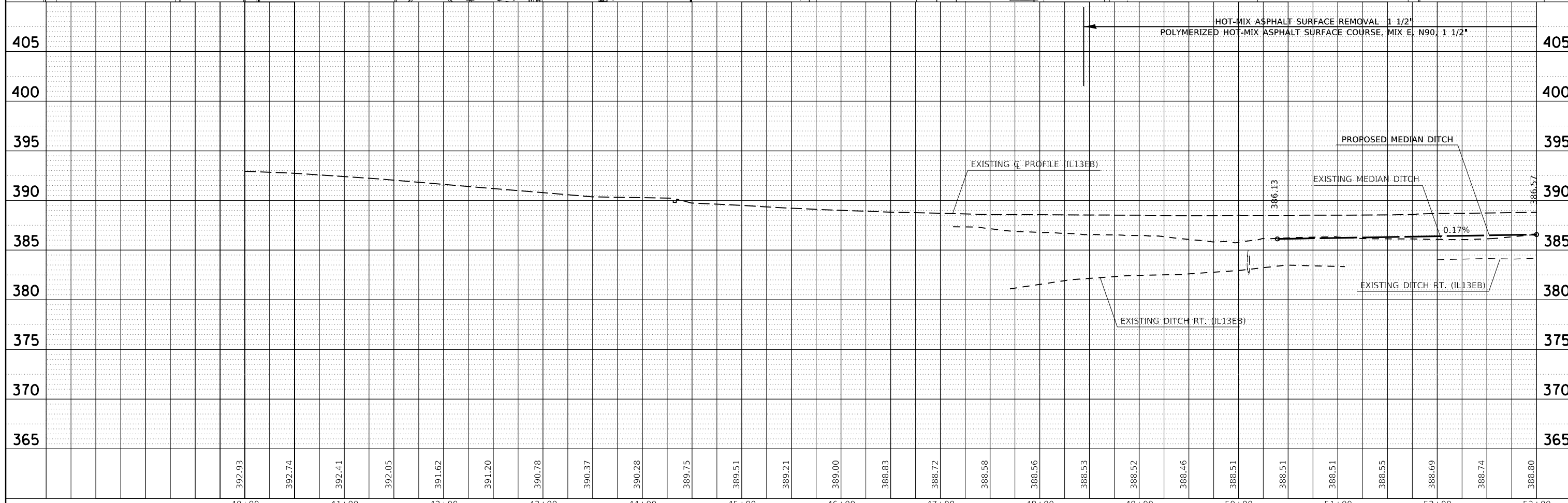
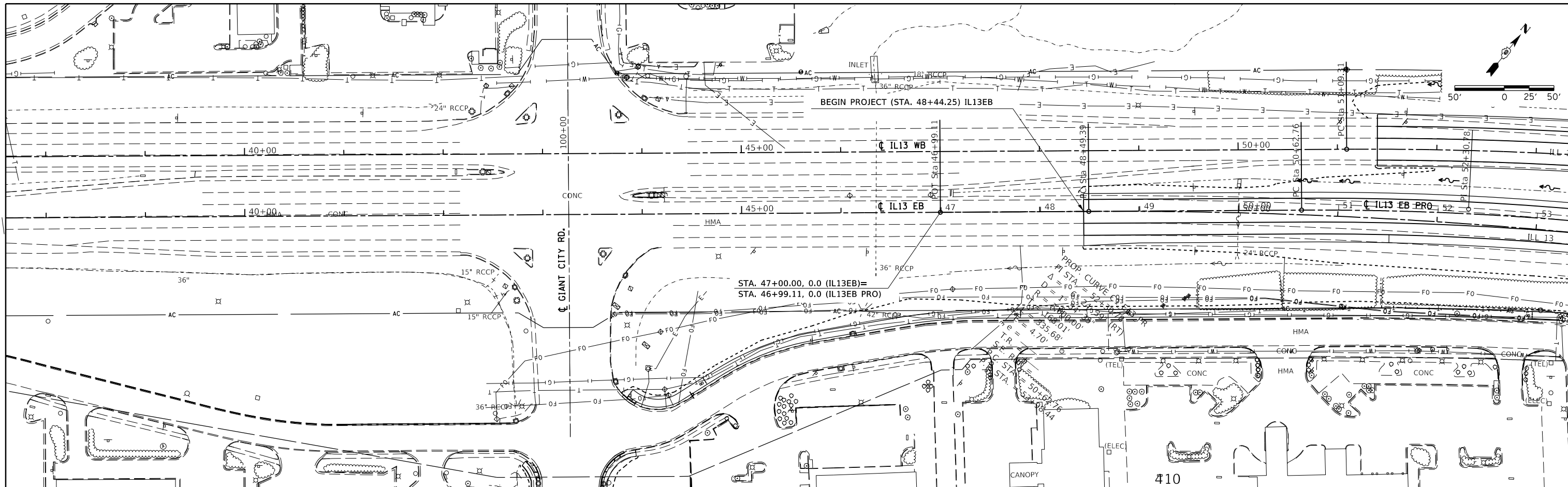
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN PROFILE /IL 13 WEST BOUND

ILLINOIS FED. AID PROJECT

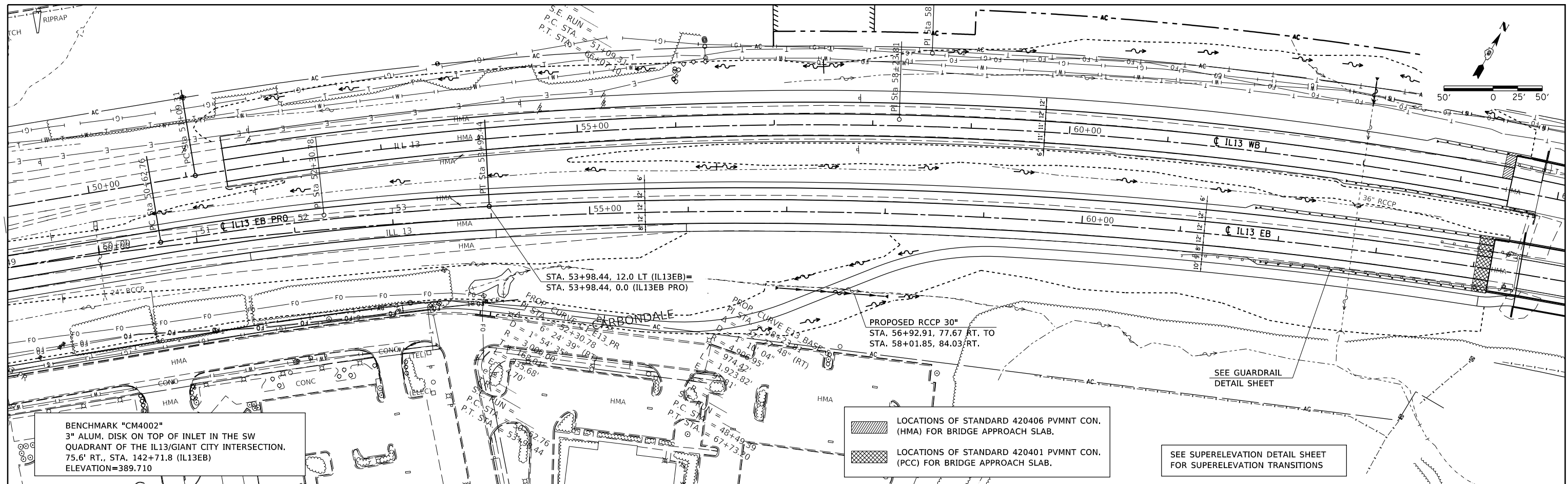
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	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
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	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
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	NO.		

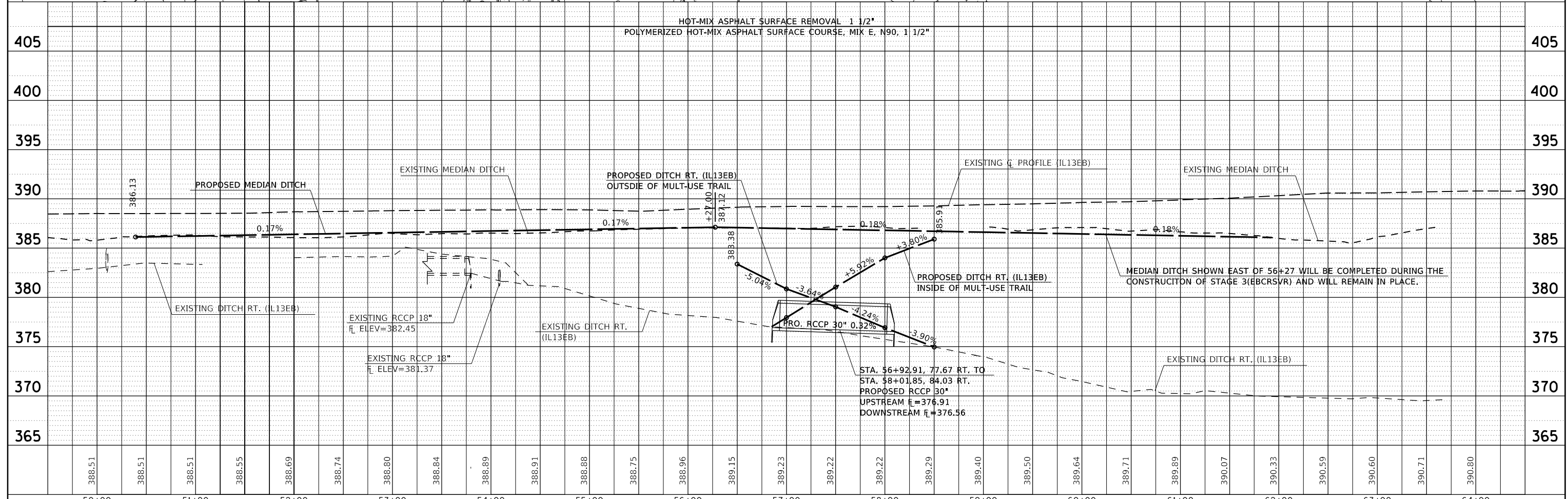


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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			SCALE:		SHEET OF SHEETS		STA. TO STA.	CONTRACT NO. 78295	
	PLOT DATE = 3/23/2018	DATE -	REVISED -								ILLINOIS FED. AID PROJECT	

DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	FILE NAME
	NO.



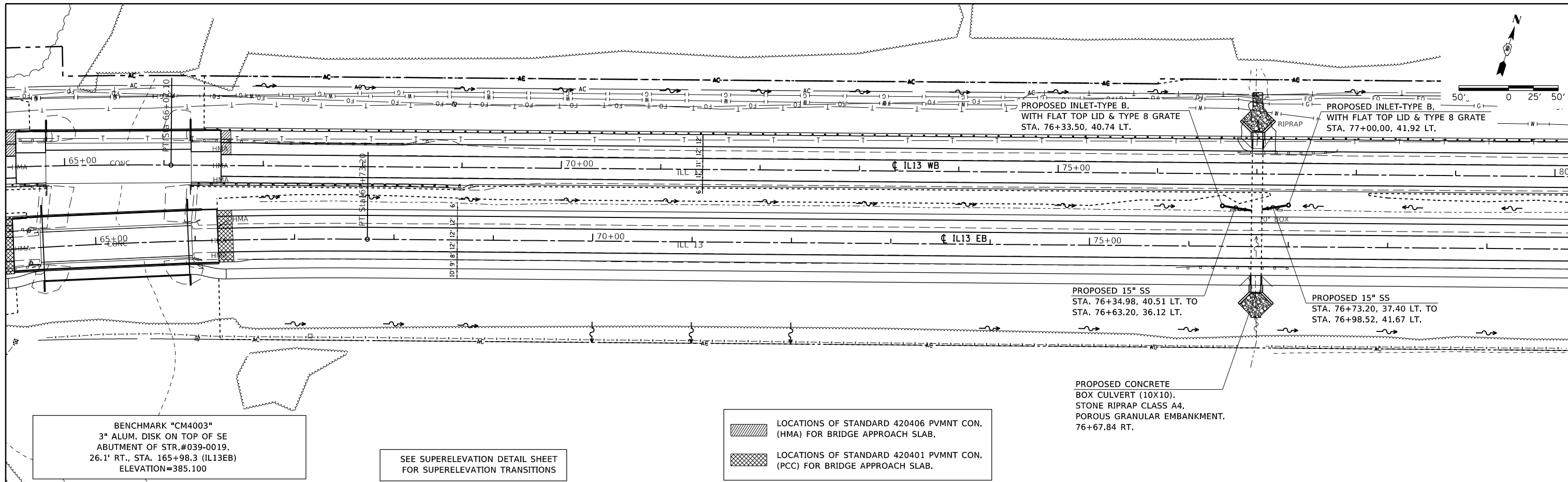
DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES
	CHECKED
	STRUCTURE
	NOTATIS
	CPWD
	NO.



FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PLAN /PROFILE IL13 EAST BOUND		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default		CHECKED	REVISED			SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 78295				
	PLOT SCALE = 100.0000' / in.	DATE	REVISED					ILLINOIS FED. AID PROJECT				
	PLOT DATE = 3/23/2018											

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
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	FILE NAME _____		

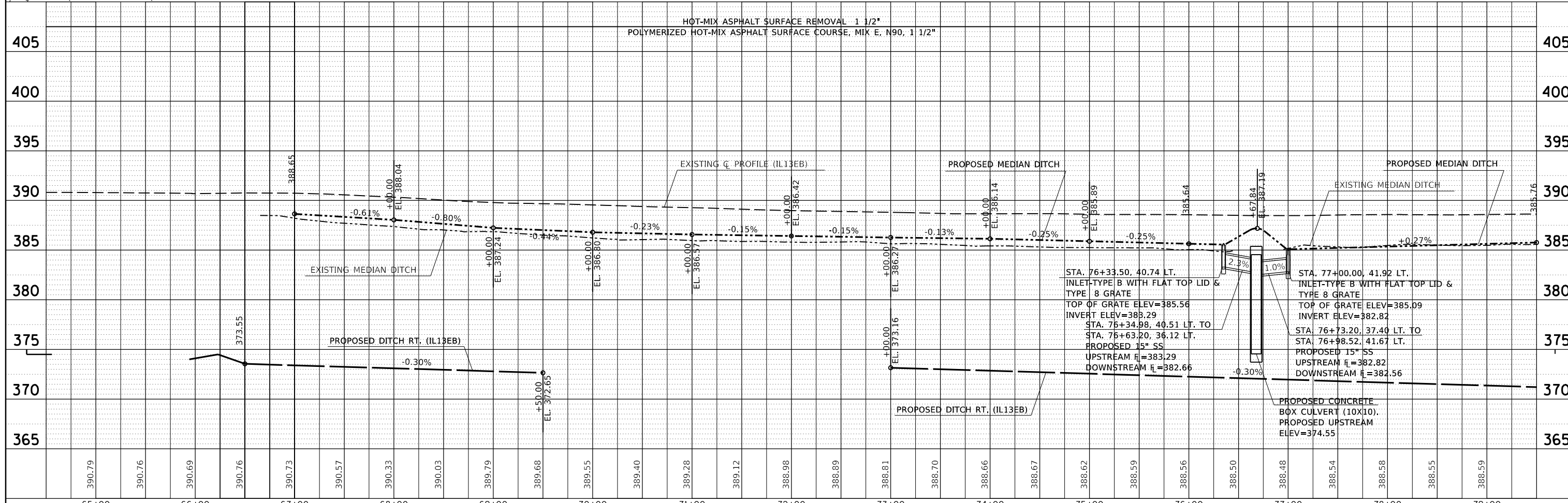
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		
	NO. _____		



BENCHMARK "CM4003"
3" ALUM. DISK ON TOP OF SE
ABUTMENT OF STR.#039-0019,
26.1' RT., STA. 165+98.3 (IL13EB)
ELEVATION=385.100

SEE SUPERELEVATION DETAIL SHEET
FOR SUPERELEVATION TRANSITIONS

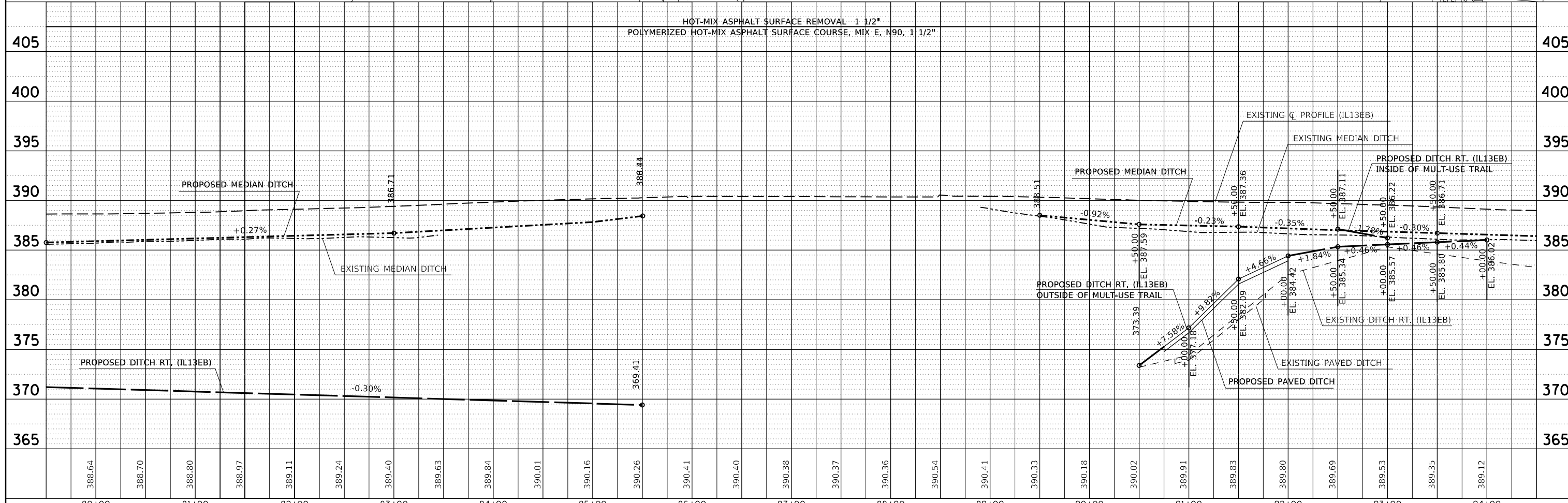
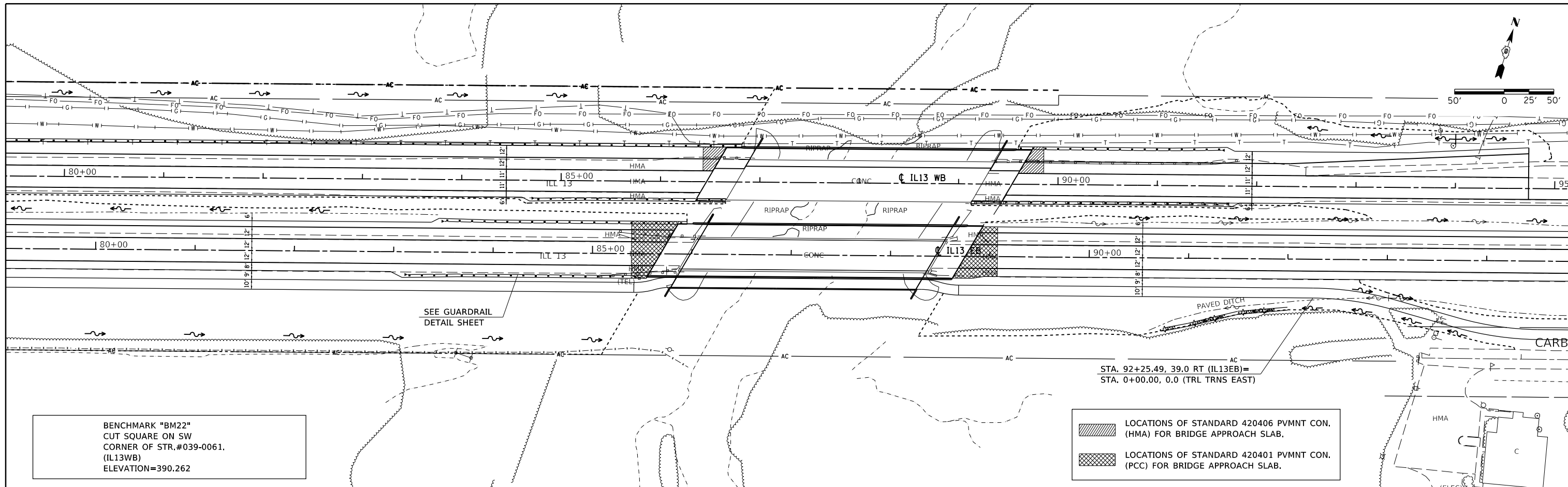
- LOCATIONS OF STANDARD 420406 PVMNT CON. (HMA) FOR BRIDGE APPROACH SLAB.
- LOCATIONS OF STANDARD 420401 PVMNT CON. (PCC) FOR BRIDGE APPROACH SLAB.



FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PLAN /PROFILE IL13 EAST BOUND		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default								331	(5-3)R-1N-1B-5BR-1B-6BR-2	JACKSON	321	42
											CONTRACT NO. 78295	
										ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	DATE
	PLOTTED	
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	NOTE BOOK NO.	
	FILE NAME	

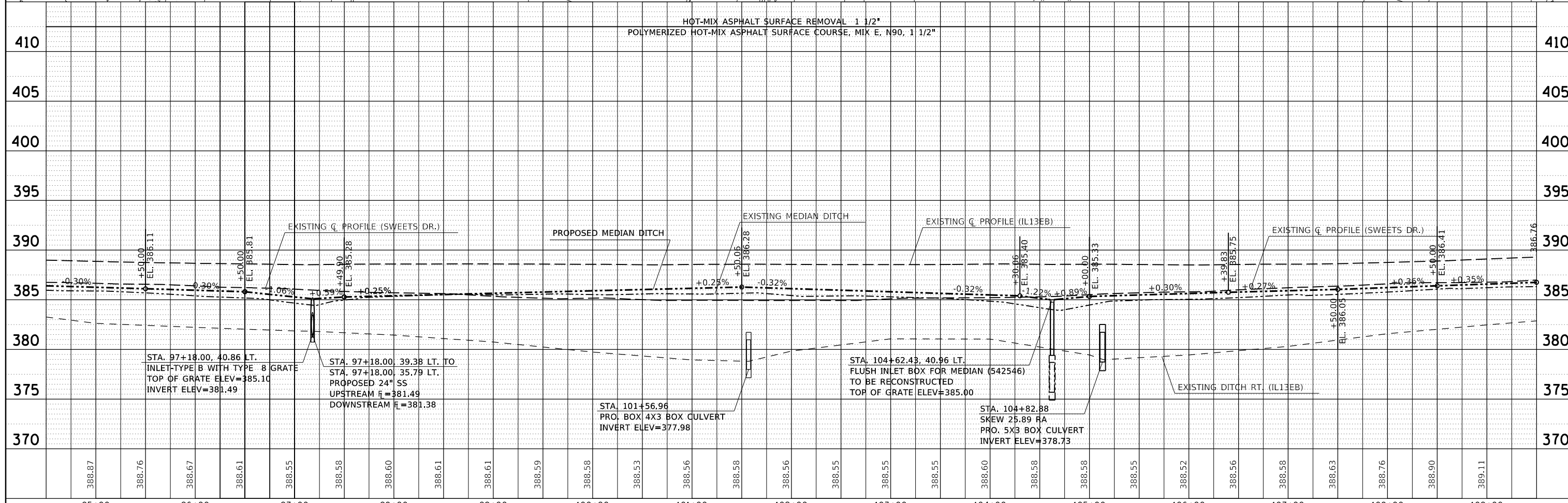
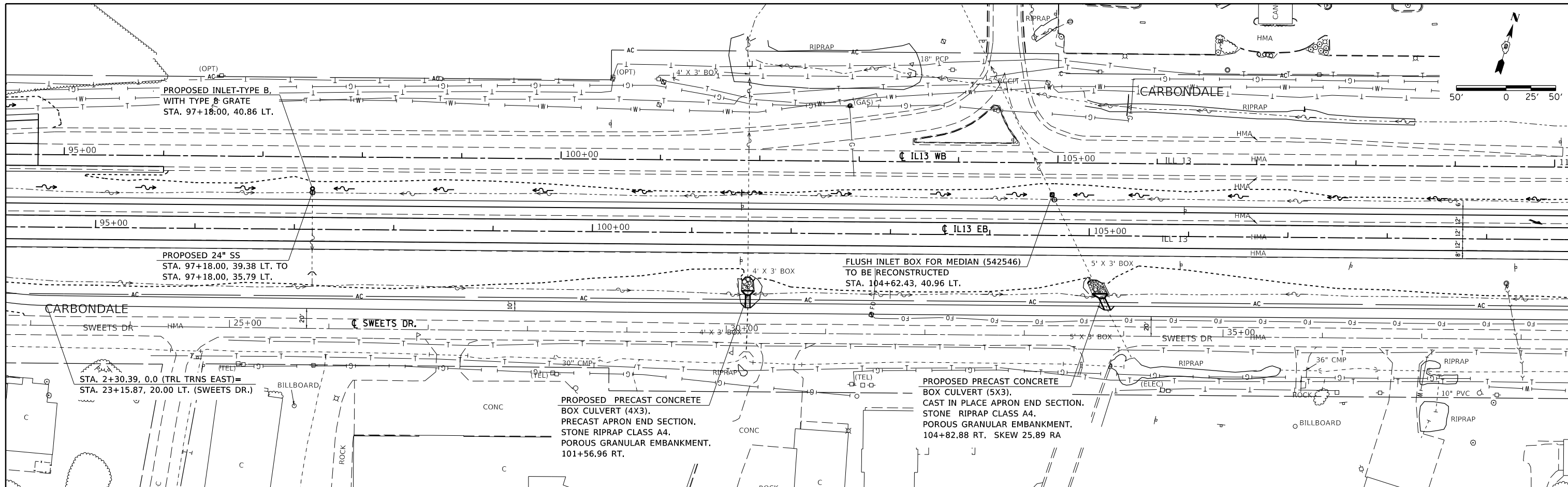
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	NOTE BOOK NO.	
	STRUCTURE NOTATIONS CHECKED	



FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PLAN /PROFILE IL13 EAST BOUND		F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default		CHECKED -	REVISED -								CONTRACT NO. 78295	
	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -							ILLINOIS FED. AID PROJECT		
	PLOT DATE = 3/23/2018					SCALE:						

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
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	NO.	

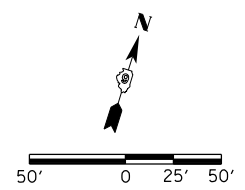
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CPAD	
	NO.	



FILE NAME =	USER NAME =	DESIGNED -	REVISED -	SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	F.A.P. R.T.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT DATE = 3/23/2018	CHECKED -	REVISED -												

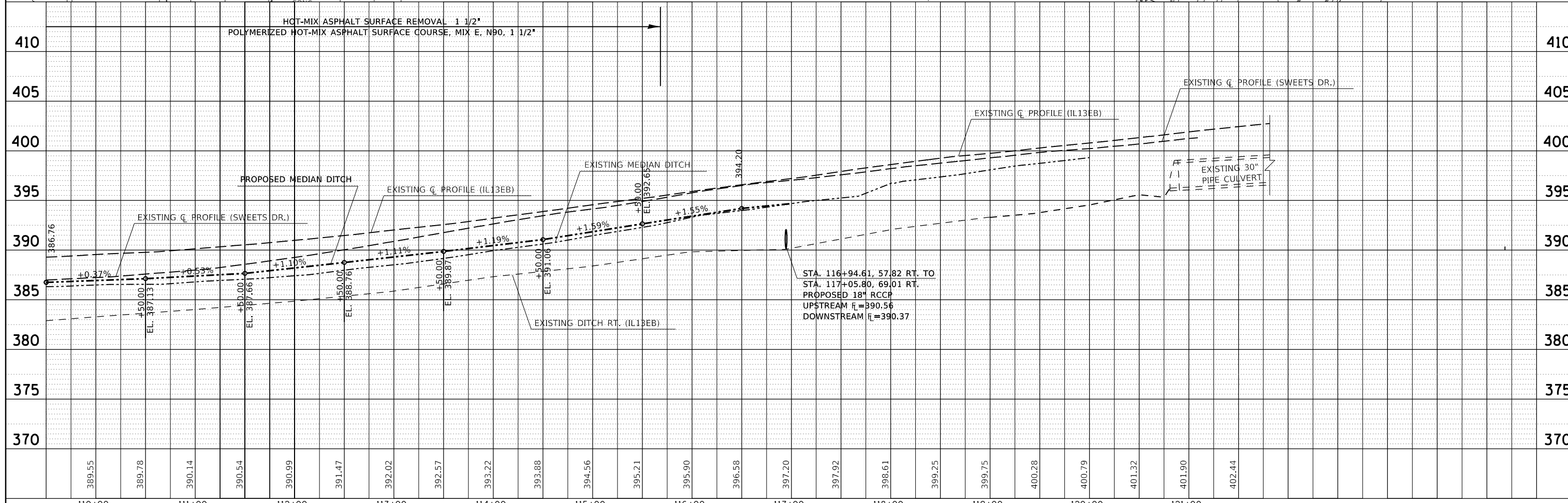
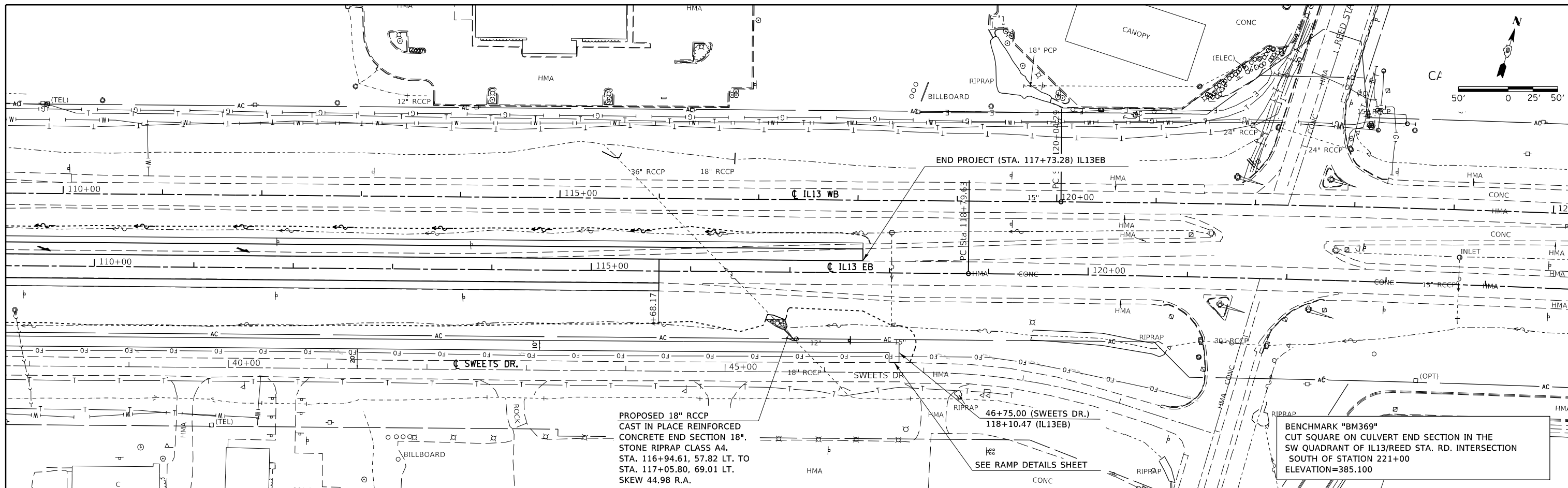
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN /PROFILE IL13 EAST BOUND



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		



FILE NAME =	USER NAME =	DESIGNED -	REVISED -	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 78295				
	PLOT DATE = 3/23/2018	DATE -	REVISED -	ILLINOIS FED. AID PROJECT				

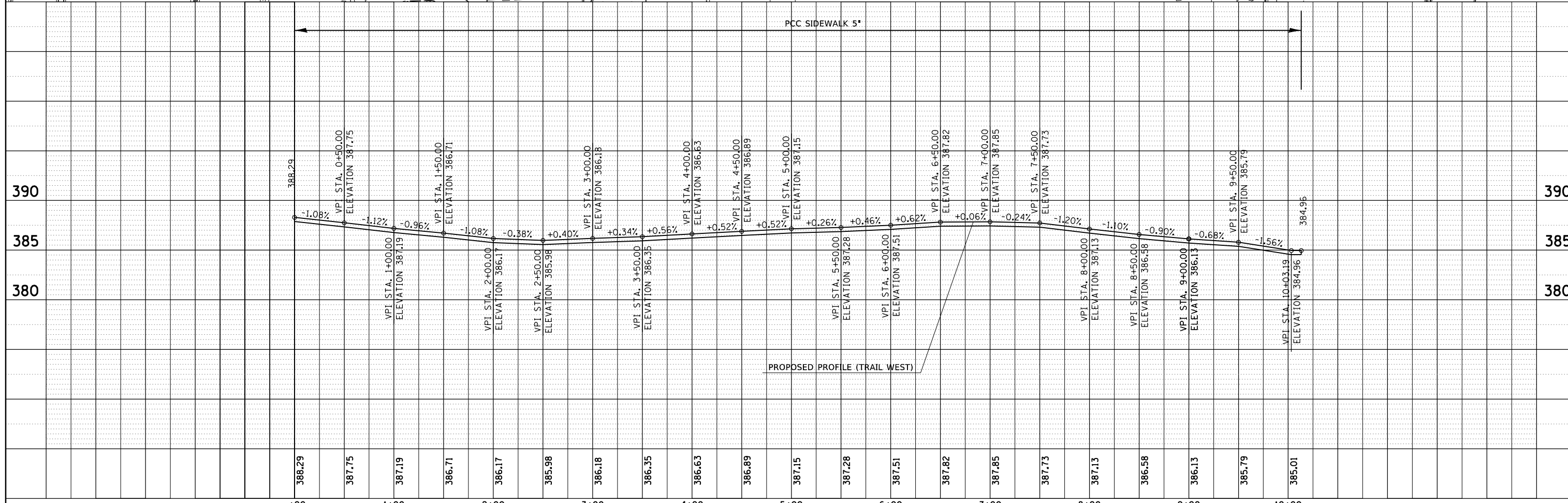
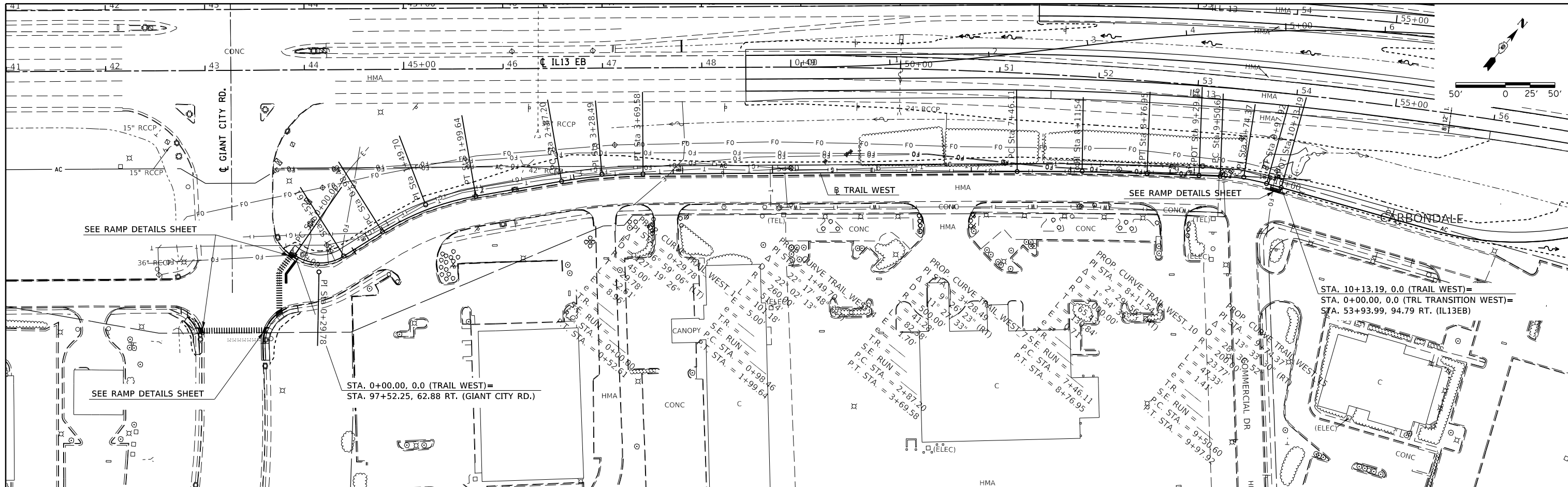
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN /PROFILE IL13 EAST BOUND

SCALE: SHEET OF SHEETS STA. TO STA.

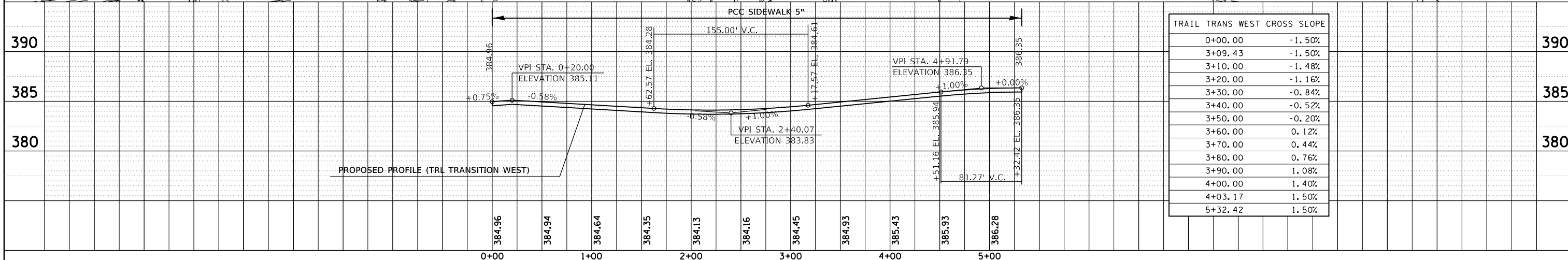
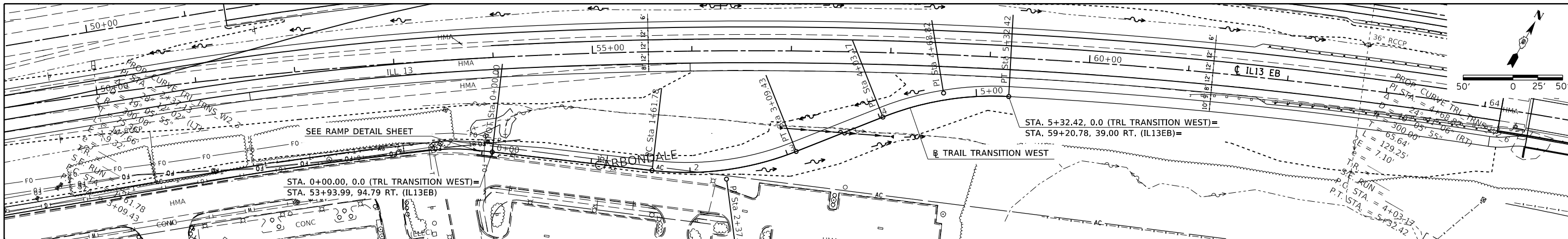
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	PLOTTED	BY
	ALIGNED	CHECKED
	FILED	NO.
	NO.	NO.

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	CHECKED
	STRUCTURE	NOTATIONS
	NO.	NO.



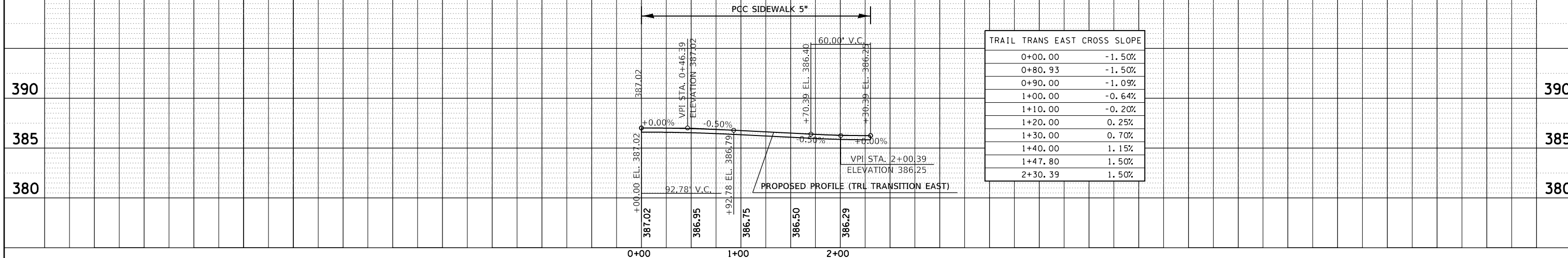
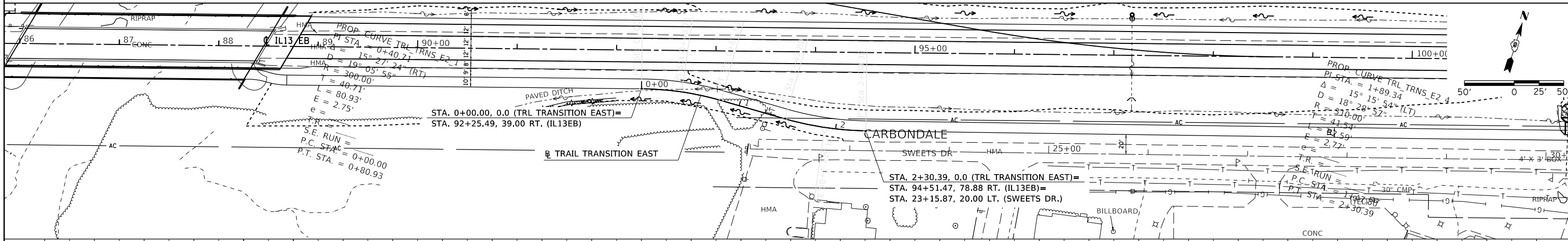
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Default		CHECKED -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	46
		DATE -	REVISED -					CONTRACT NO. 78295				
								ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



Station	Cross Slope
0+00.00	-1.50%
3+09.43	-1.50%
3+10.00	-1.48%
3+20.00	-1.16%
3+30.00	-0.84%
3+40.00	-0.52%
3+50.00	-0.20%
3+60.00	0.12%
3+70.00	0.44%
3+80.00	0.76%
3+90.00	1.08%
4+00.00	1.40%
4+03.17	1.50%
5+32.42	1.50%

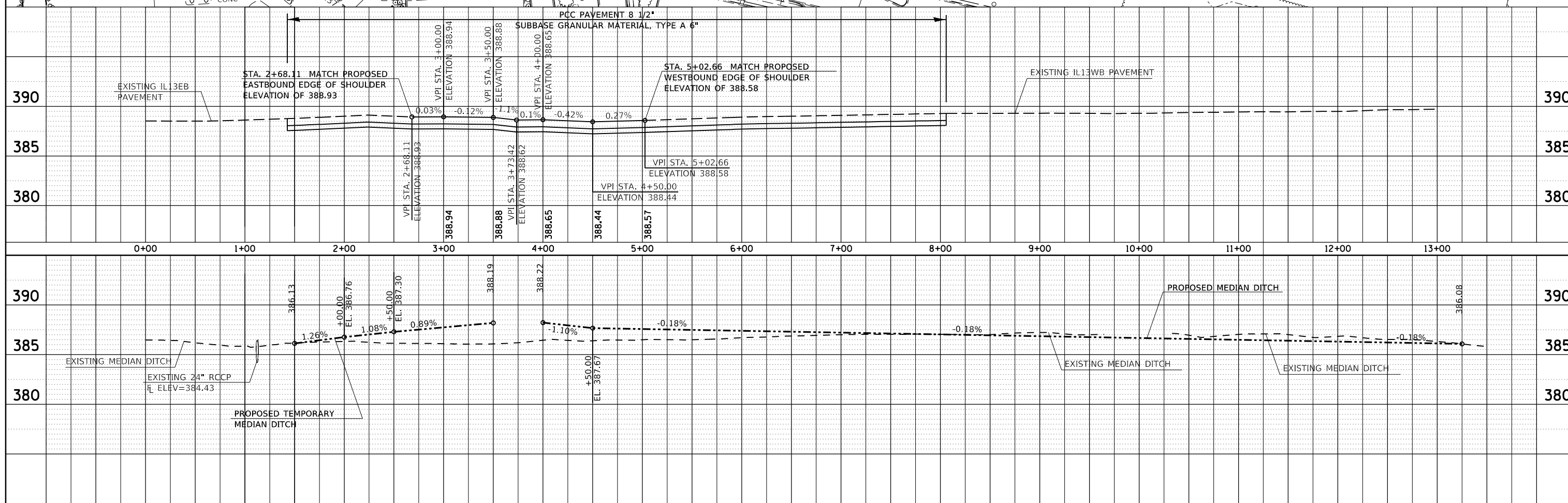
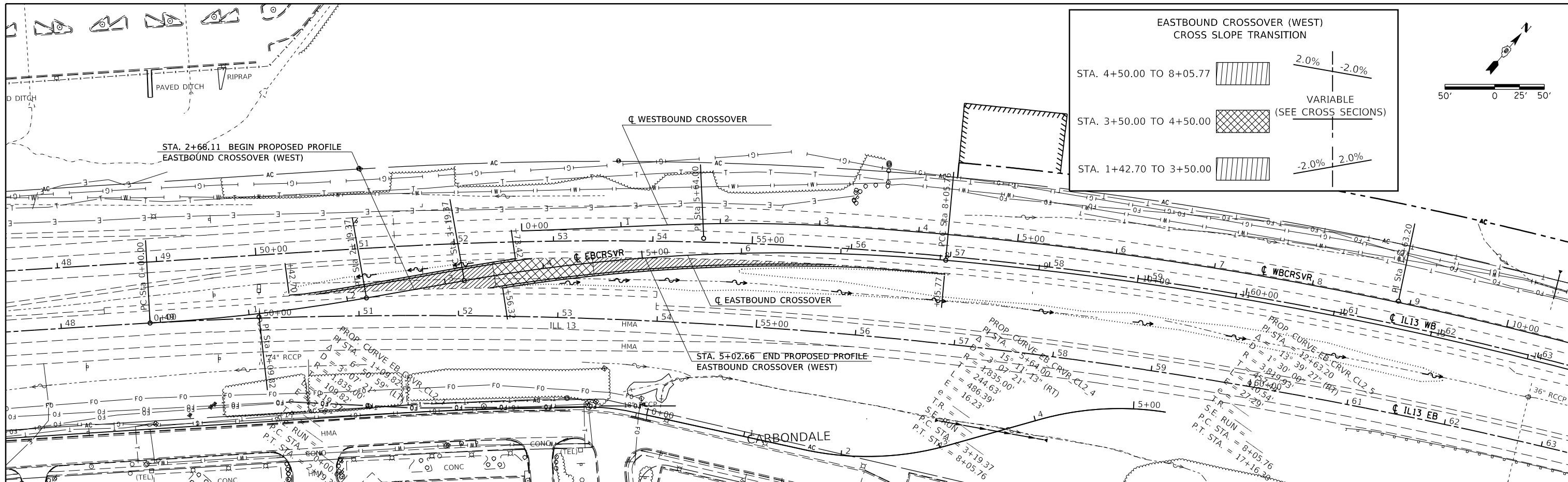
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



Station	Cross Slope
0+00.00	-1.50%
0+80.93	-1.50%
0+90.00	-1.09%
1+00.00	-0.64%
1+10.00	-0.20%
1+20.00	0.25%
1+30.00	0.70%
1+40.00	1.15%
1+47.80	1.50%
2+30.39	1.50%

DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	DESIGNED
	NO. _____
	FILE NAME _____

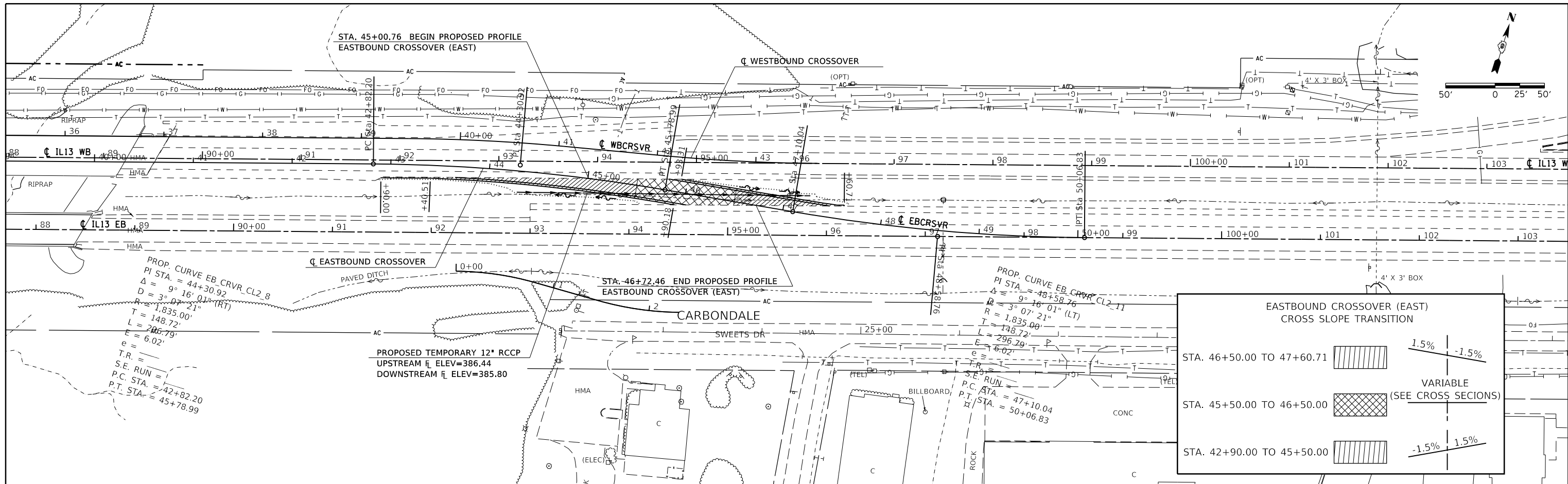
DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS OK'D
	NO. _____
	FILE NAME _____



FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PLAN /PROFILE EASTBOUND CROSSOVER (WEST)		F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		CHECKED -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	48	48	
		DATE -	REVISED -					CONTRACT NO. 78295					
												ILLINOIS FED. AID PROJECT	

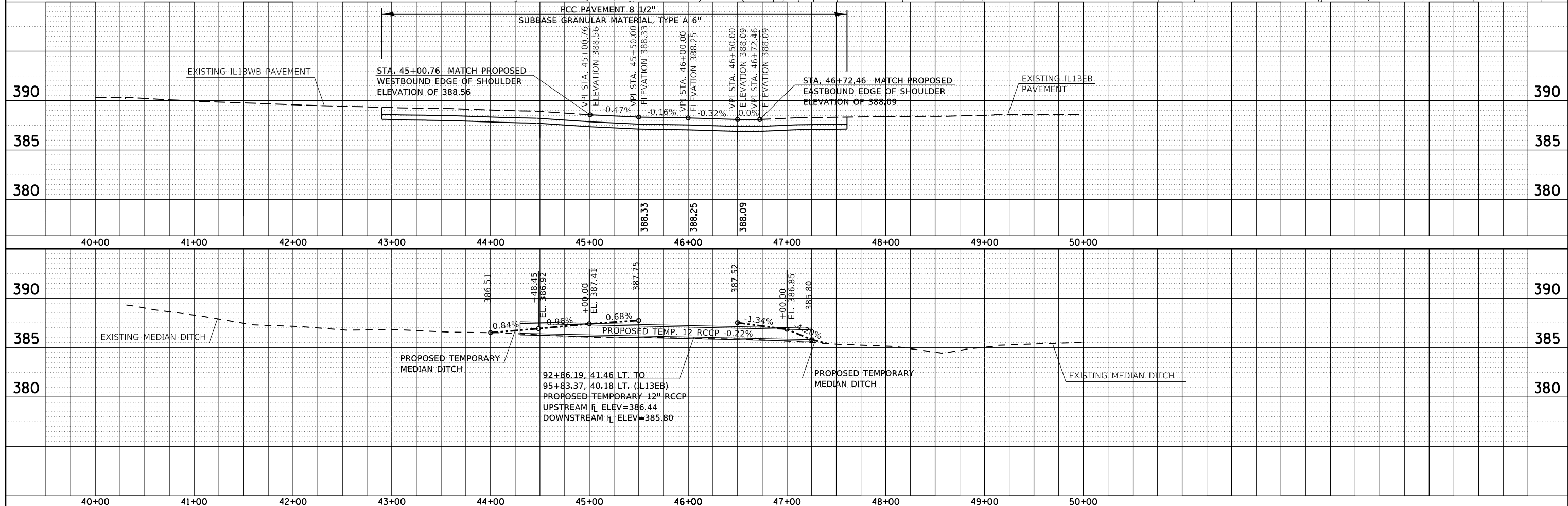
PLAN SURVEYED BY DATE
 PLOTTED BY DATE
 GRADES CHECKED BY DATE
 STRUCTURE NOTATIONS CHECKED BY DATE
 NOTE BOOK NO.
 CHECKED FILE NAME

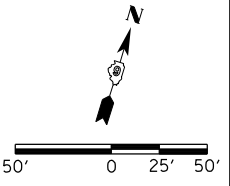
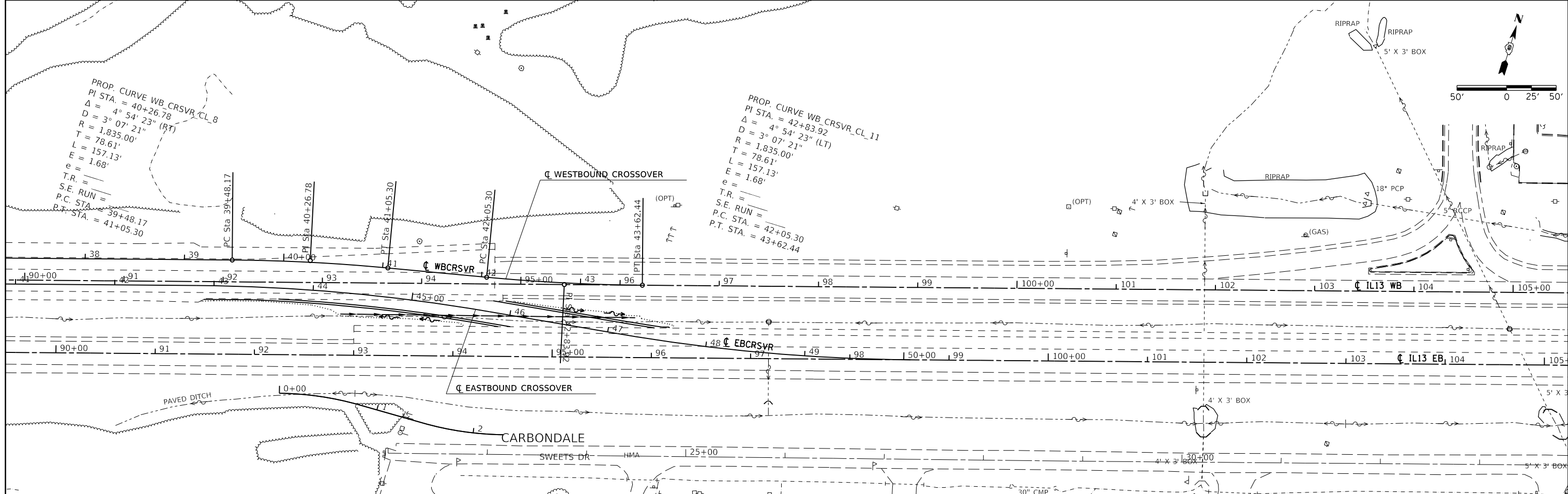
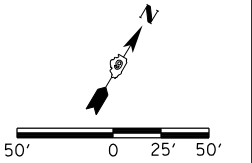
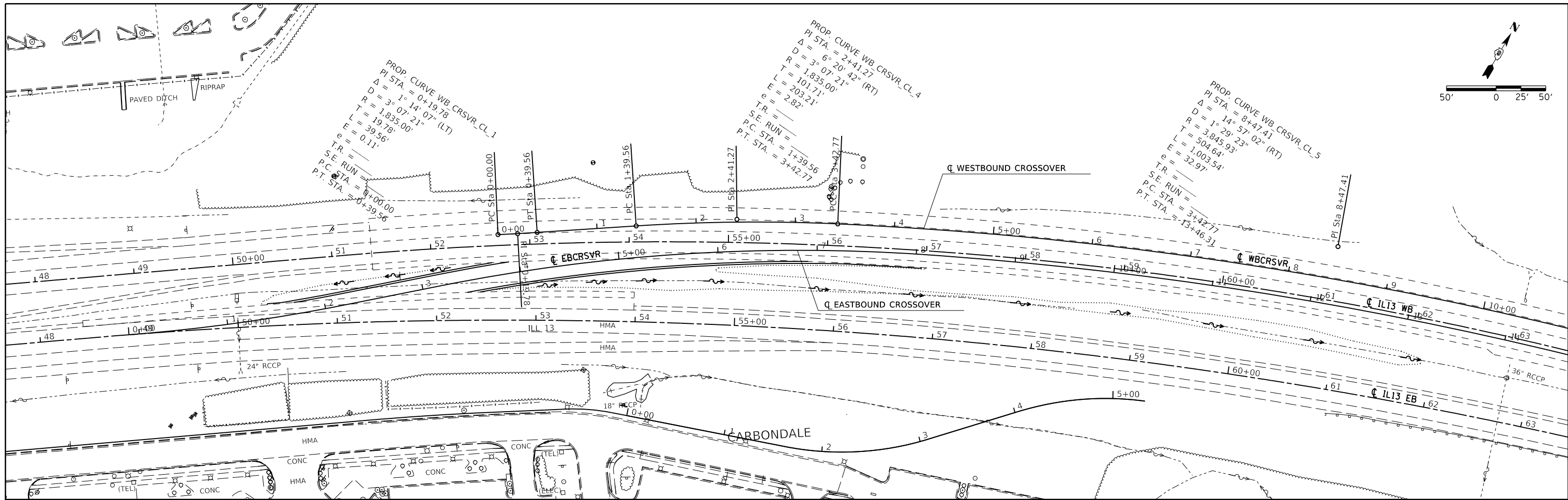
PROFILE SURVEYED BY DATE
 PLOTTED BY DATE
 GRADES CHECKED BY DATE
 STRUCTURE NOTATIONS CHECKED BY DATE
 NOTE BOOK NO.
 CHECKED FILE NAME



EASTBOUND CROSSOVER (EAST)
CROSS SLOPE TRANSITION

STA. 46+50.00 TO 47+60.71		1.5% / -1.5%
STA. 45+50.00 TO 46+50.00		VARIABLE (SEE CROSS SECTIONS)
STA. 42+90.00 TO 45+50.00		-1.5% / 1.5%

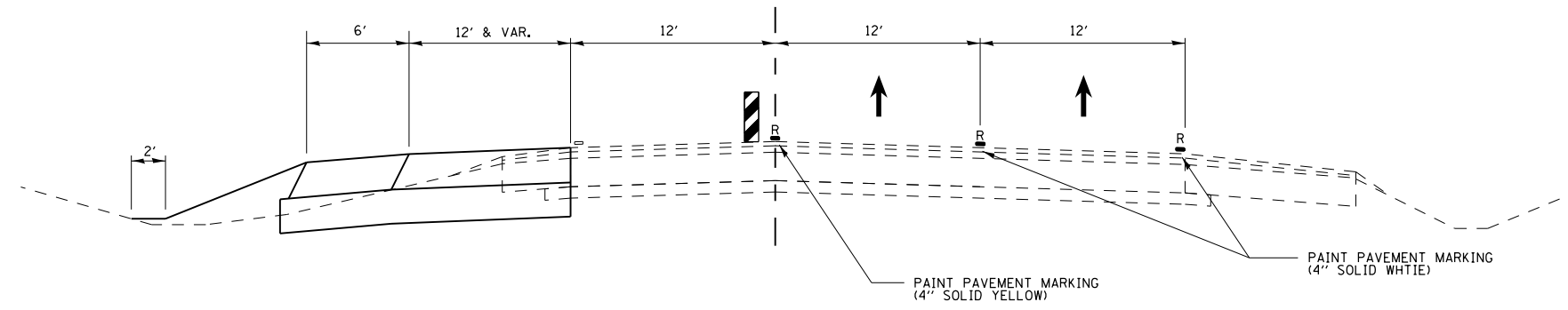






FILE NAME =	USER NAME = noasp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WESTBOUND CROSSOVER ALIGNMENT				F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	JACKSON	321	50
		DATE -	REVISED -										

331	(5-3)R-1N-1B-5, BR-1B-6, BR-2	JACKSON	321	50
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				

IL RTE 13
(EASTBOUND)
LOOKING EAST



**TYPICAL SECTION
STAGE 1
(48 + 44.25 TO 53 + 98.44)**

	TUBULAR MARKER
	VERTICAL BARRICADE
R	PAVEMENT MARKING REMOVAL LOCATIONS

STAGE 1:

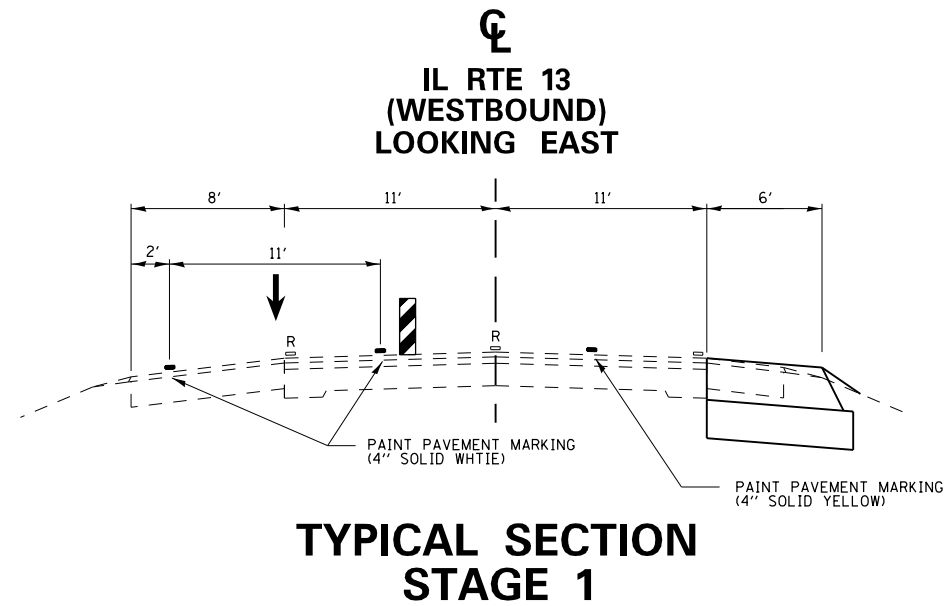
CONSTRUCT THE ENTIRE INSIDE WESTBOUND SHOULDER.
CONSTRUCT THE TWO SEGMENTS OF THE INSIDE EASTBOUND SHOULDER AS SHOWN ON THE CONSTRUCTION STAGING LAYOUT SHEETS.

NOTES:

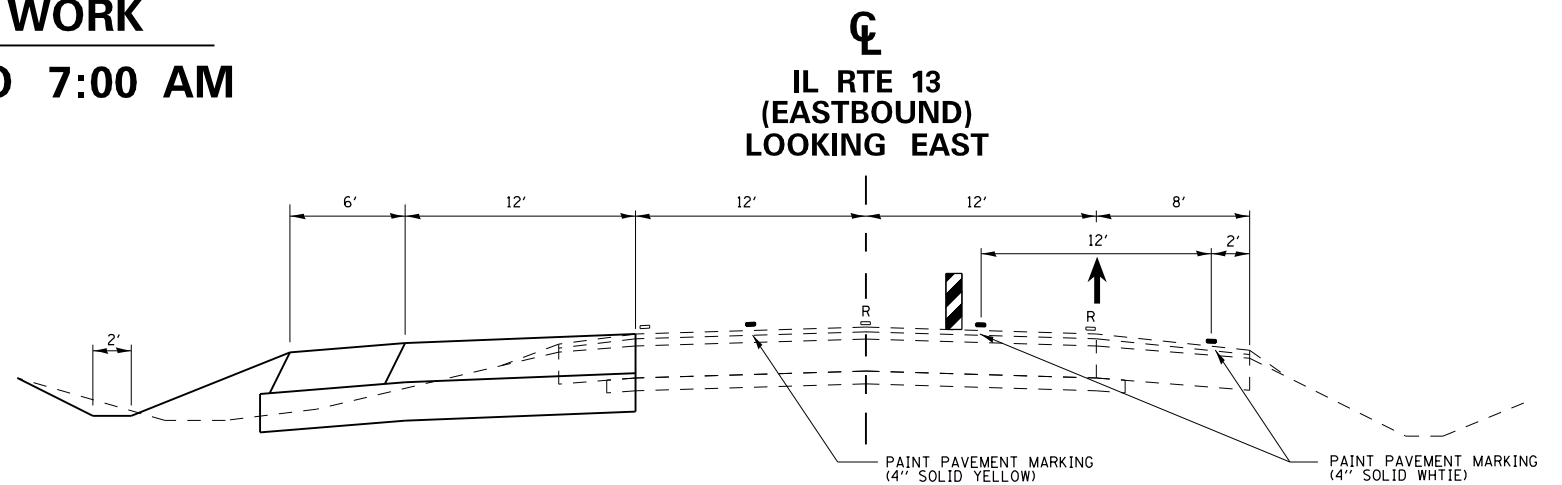
REFER TO DROP-OFF ALLOWANCE DAYS SPECIAL PROVISION.
SEE STAGE 1 TRAFFIC CONTROL AND APPROACH SIGNING PLAN SHEETS FOR ADDITIONAL INFORMATION.
TRAFFIC CONTROL SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION (SPECIAL).
AT THE COMPLETION OF STAGE 1, REMOVE ALL STAGE 1 PAVEMENT MARKING FROM THE EASTBOUND LANES AND REPLACE WITH PAVEMENT MARKING ON ORIGINAL LANE LINES.

FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICALS /CONSTRUCTION STAGING			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\13... DRAWN = nee\78295-New\CADDData\CADsheets\REVISED -	PLT SCALE = 10.0000' / in.	CHECKED -	REVISED -					331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	51
Default	PLOT DATE = 3/23/2018	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 78295				
								ILLINOIS FED. AID PROJECT				

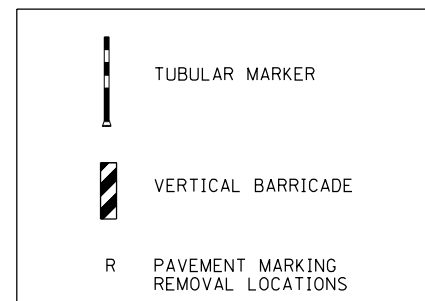
NIGHT WORK
7:00PM TO 7:00 AM



**TYPICAL SECTION
STAGE 1**



**TYPICAL SECTION
STAGE 1
(93 + 00.00 TO 117 + 73.28)**



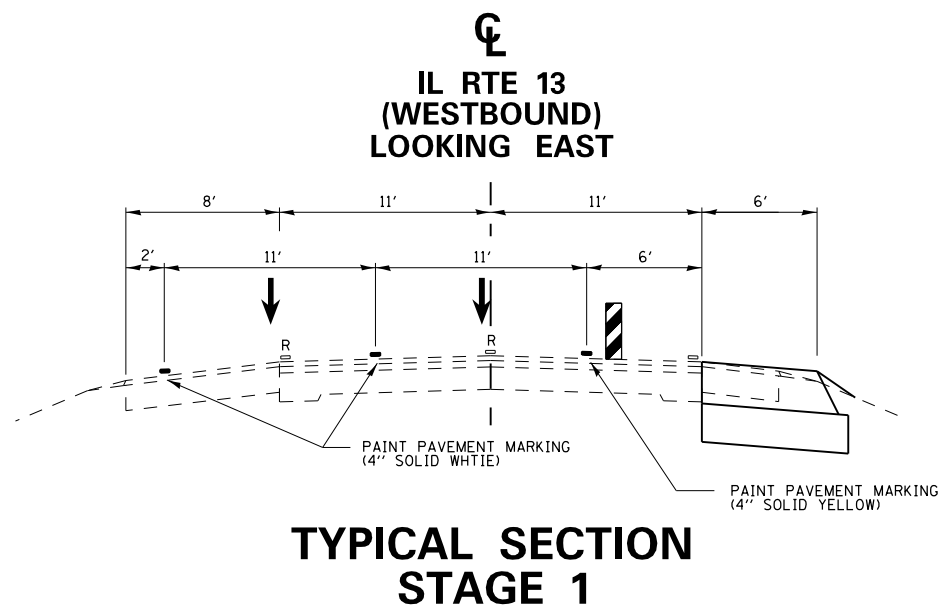
STAGE 1:

CONSTRUCT THE ENTIRE INSIDE WESTBOUND SHOULDER.
CONSTRUCT THE TWO SEGMENTS OF THE INSIDE EASTBOUND SHOULDER AS SHOWN ON THE CONSTRUCTION STAGING LAYOUT SHEETS.

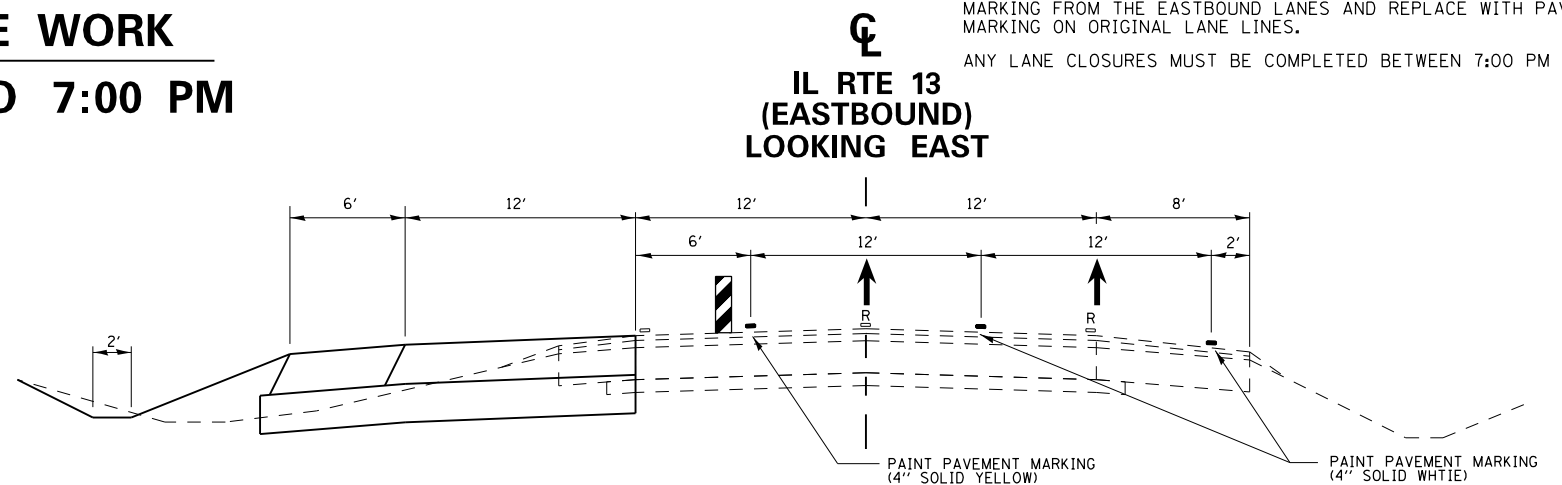
NOTES:

REFER TO DROP-OFF ALLOWANCE DAYS SPECIAL PROVISION.
SEE STAGE 1 TRAFFIC CONTROL AND APPROACH SIGNING PLAN SHEETS FOR ADDITIONAL INFORMATION.
TRAFFIC CONTROL SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION (SPECIAL).
AT THE COMPLETION OF STAGE 1, REMOVE ALL STAGE 1 PAVEMENT MARKING FROM THE EASTBOUND LANES AND REPLACE WITH PAVEMENT MARKING ON ORIGINAL LANE LINES.
ANY LANE CLOSURES MUST BE COMPLETED BETWEEN 7:00 PM AND 7:00 AM

DAYTIME WORK
7:00AM TO 7:00 PM



**TYPICAL SECTION
STAGE 1**



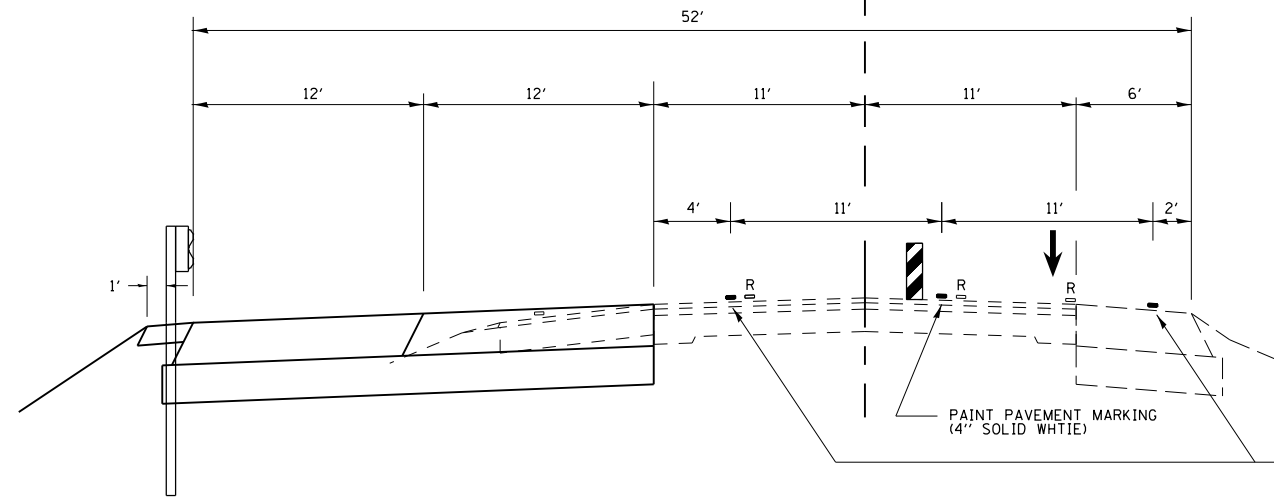
**TYPICAL SECTION
STAGE 1
(93 + 00.00 TO 117 + 73.28)**

FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICALS /CONSTRUCTION STAGING	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\13.dgn	DRAWN = nee\78295-New\CADData\CADsheets\REVISED\5h-g-pave.mark.dgn	CHECKED -	REVISED -			331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	52
Default	PLOT DATE = 3/23/2018	DATE -	REVISED -			CONTRACT NO. 78295				

SCALE: SHEET OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

IL RTE 13
(WESTBOUND)
LOOKING EAST



NIGHT WORK
7:00PM TO 7:00 AM

**TYPICAL SECTION
STAGE 2**

PAINT PAVEMENT MARKING
(4" SOLID YELLOW)
WILL REMAIN IN PLACE AND
USED DURING STAGE 4

STAGE 2:

COMPLETE THE WESTBOUND LANE ADDITION AND OUTSIDE SHOULDER AS SHOWN ON THE CONSTRUCTION STAGING LAYOUT SHEETS. ALSO CONSTRUCT BOTH WESTBOUND BRIDGE ADDITIONS.

NOTES:

SEE STAGE 2 TRAFFIC CONTROL AND APPROACH SIGNING PLAN SHEETS FOR ADDITIONAL INFORMATION.

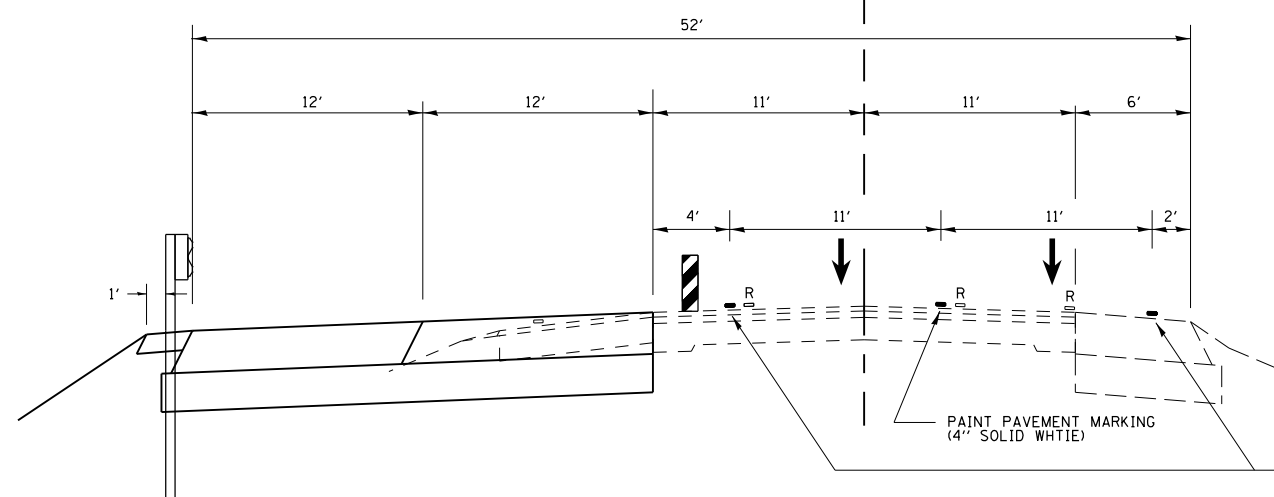
REFER TO DROP-OFF ALLOWANCE DAYS SPECIAL PROVISION.

TRAFFIC CONTROL SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION (SPECIAL).

SEE WB TYPICALS & GUARDRAIL SCHEDULE FOR GUARDRAIL LOCATIONS

ANY LANE CLOSURES MUST BE COMPLETED BETWEEN 7:00 PM AND 7:00 AM

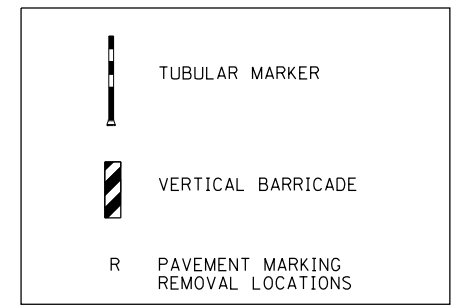
IL RTE 13
(WESTBOUND)
LOOKING EAST



DAYTIME WORK
7:00AM TO 7:00 PM

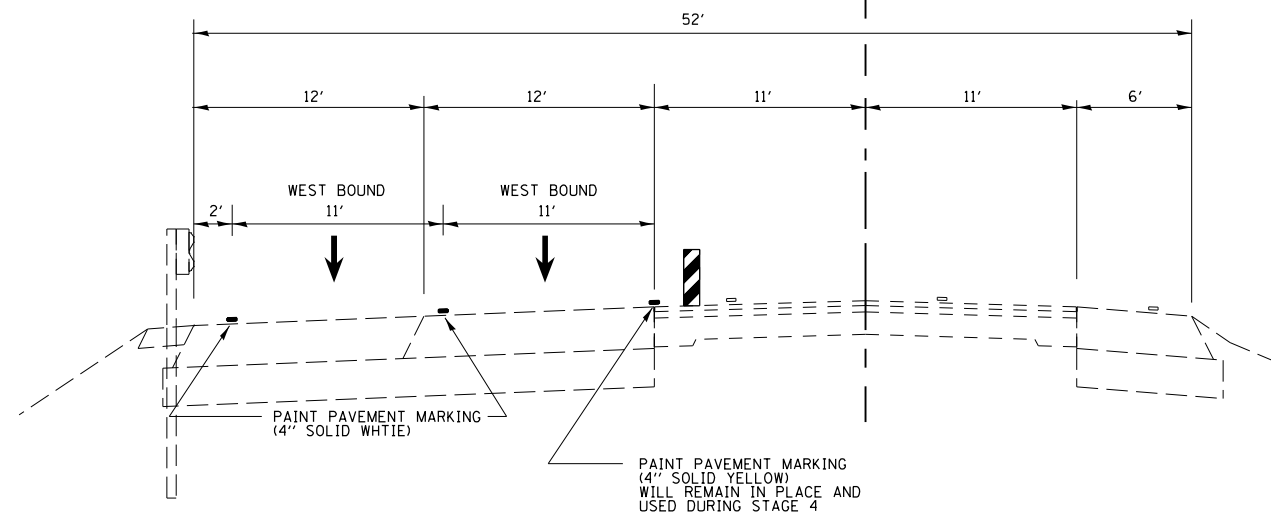
**TYPICAL SECTION
STAGE 2**

PAINT PAVEMENT MARKING
(4" SOLID YELLOW)
WILL REMAIN IN PLACE AND
USED DURING STAGE 4



FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICALS /CONSTRUCTION STAGING		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\13...DRAWN	DESIGNED -	REVISED -	331				(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	53	
Default	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -		CONTRACT NO. 78295						
	PLOT DATE = 3/23/2018	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			

IL RTE 13
(WESTBOUND)
LOOKING EAST



**TYPICAL SECTION
STAGE 3 TRAFFIC CONTROL**

STAGE 3:

CONSTRUCT THE MEDIAN CROSSOVERS.

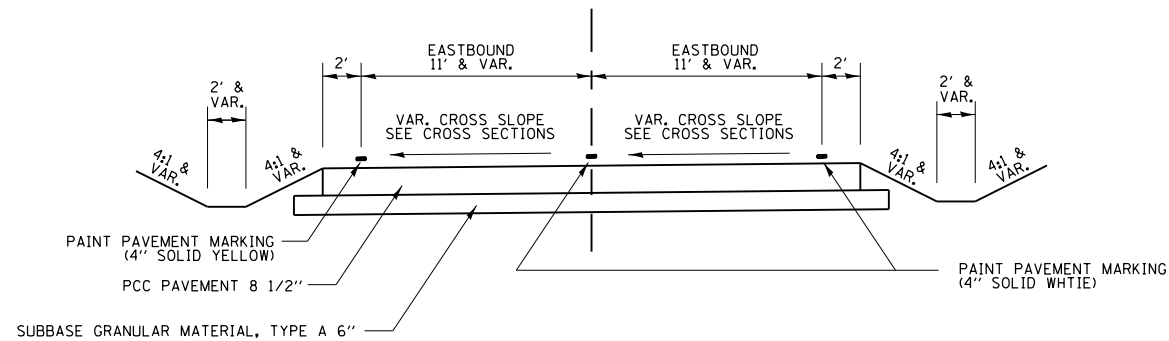
NOTES:

SEE STAGE 3 TRAFFIC CONTROL AND APPROACH SIGNING PLAN SHEETS FOR ADDITIONAL INFORMATION.

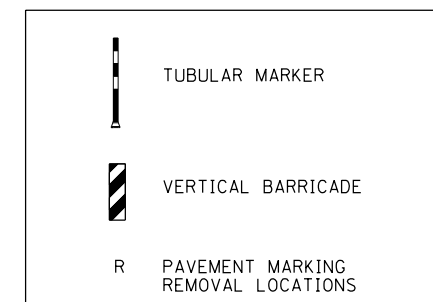
REFER TO DROP-OFF ALLOWANCE DAYS SPECIAL PROVISION.

TRAFFIC CONTROL SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION (SPECIAL).

MEDIAN
CROSSOVERS
LOOKING EAST



**TYPICAL SECTION
STAGE 3**



FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 9\Projects\13... DRAWN = 78295-New\CADData\CADsheets\REVISED\13-gr-pave-mark.dgn			
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	PLOT DATE = 3/23/2018	DATE -	REVISED -

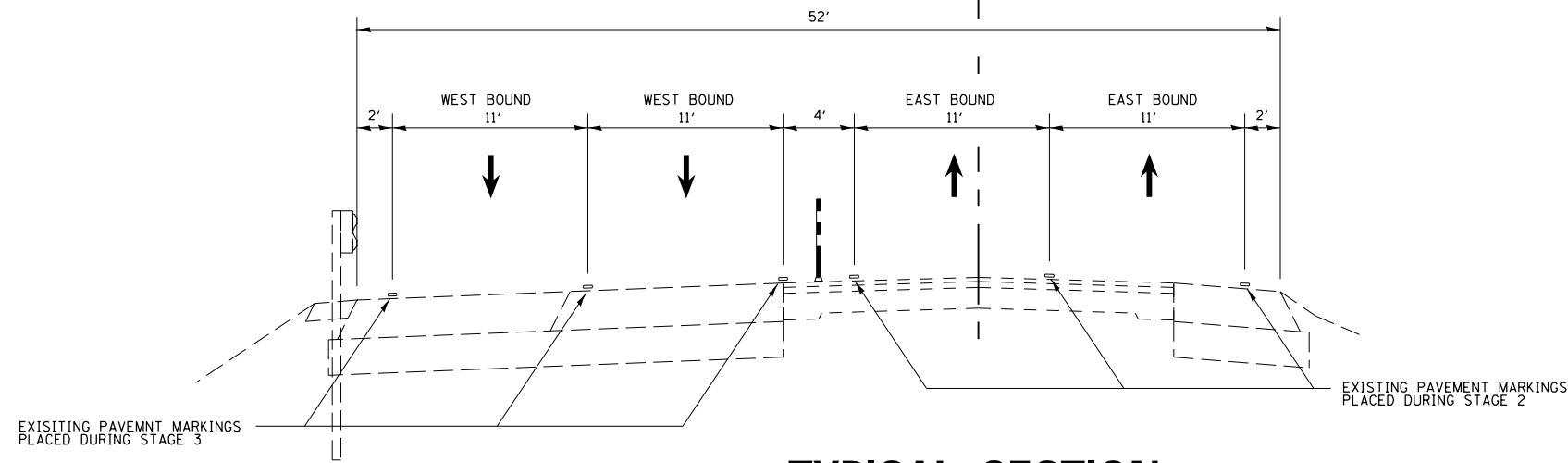
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICALS /CONSTRUCTION STAGING

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	54
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	

IL RTE 13
(WESTBOUND)
LOOKING EAST



TYPICAL SECTION
STAGE 4 TRAFFIC CONTROL LAYOUT

STAGE 4:

COMPLETE ALL EASTBOUND WORK BETWEEN THE MEDIAN CROSSOVERS INCLUDING BOTH EASTBOUND BRIDGES. AS SHOWN ON THE CONSTRUCTION STAGING LAYOUT SHEETS.

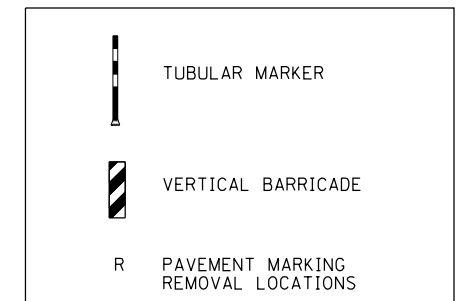
NOTES:

TUBULAR MARKERS SHALL BE SPACED AT 25' CENTERS THE ENTIRE LENGTH BETWEEN THE EAST AND WEST MEDIAN CROSSOVERS AS SHOWN ON THE STAGE 4 TRAFFIC CONTROL LAYOUT SHEET.

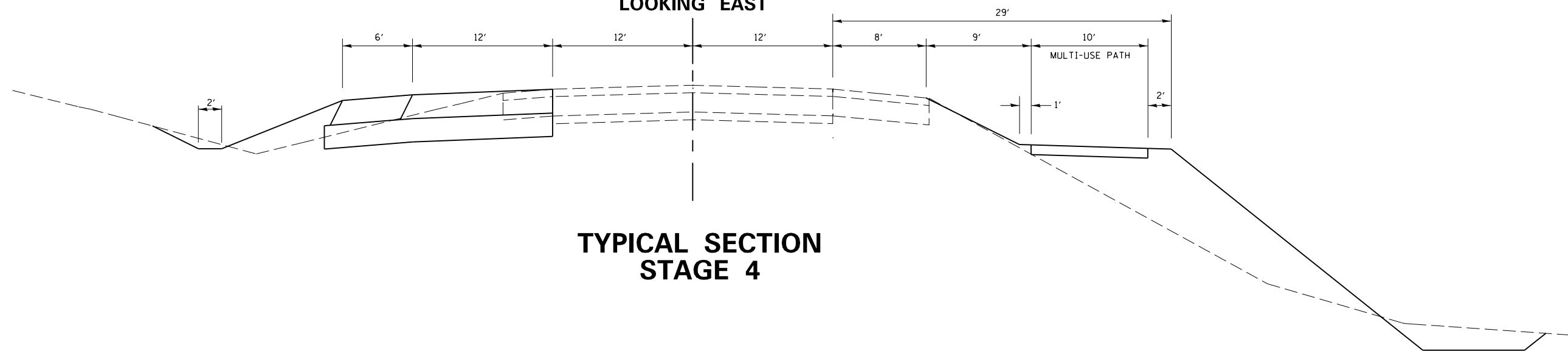
SEE STAGE 4 TRAFFIC CONTROL AND APPROACH SIGNING PLAN SHEETS FOR ADDITIONAL INFORMATION.

REFER TO DROP-OFF ALLOWANCE DAYS SPECIAL PROVISION.

TRAFFIC CONTROL SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION (SPECIAL).

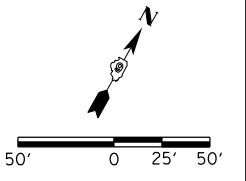
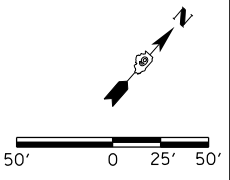
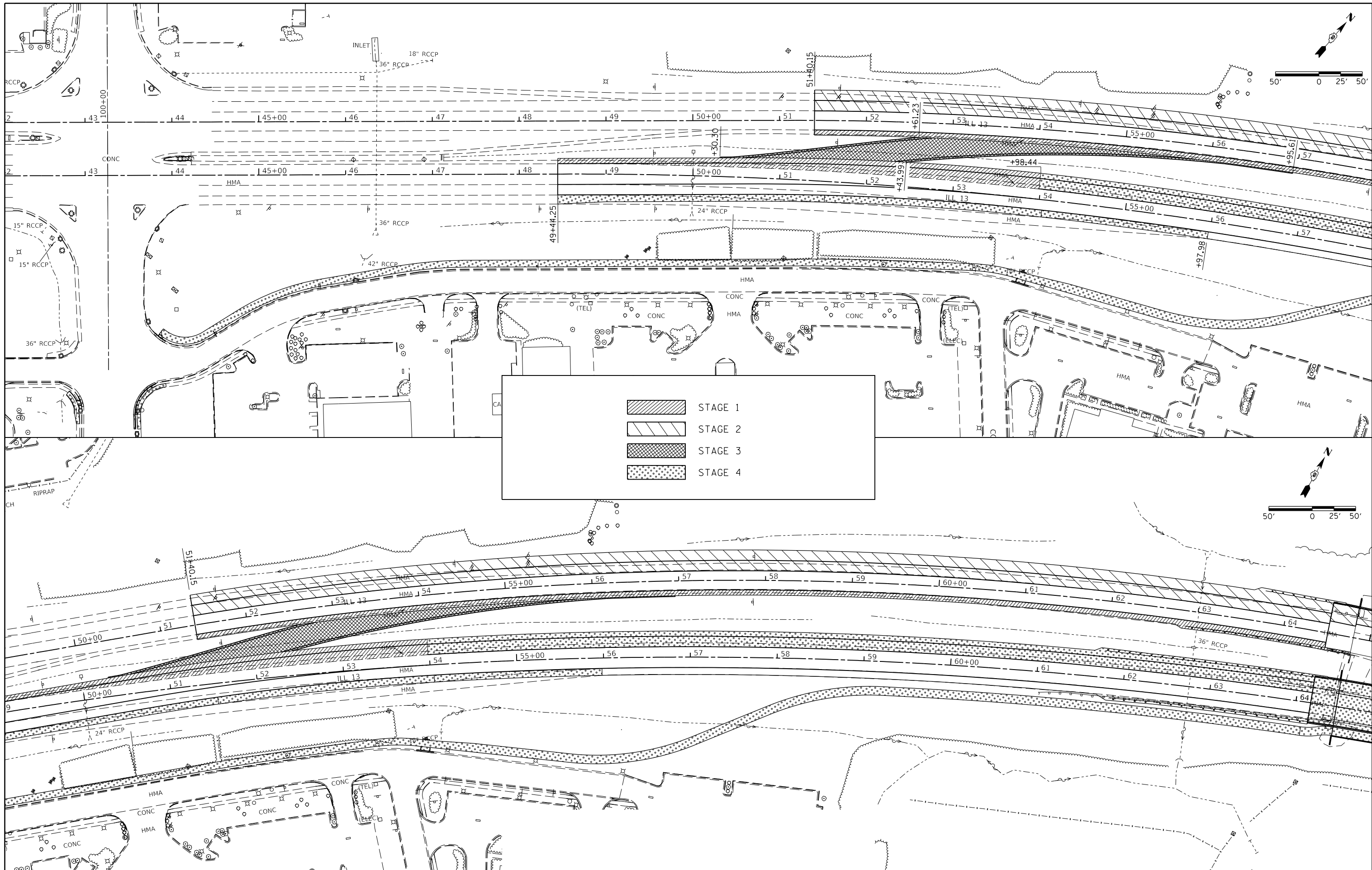


IL RTE 13
(EASTBOUND)
LOOKING EAST



TYPICAL SECTION
STAGE 4

FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICALS /CONSTRUCTION STAGING			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\Illinois.gov\PIWID\Documents\IDOT Offices\District 9\Projects\13.g... DRAWN = nee\78295-New\CADData\CADsheets\REVISED\shg-pave.mark.dgn	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -					331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	55
Default	PLOT DATE = 3/23/2018	DATE -	REVISED -		CONTRACT NO. 78295							
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT



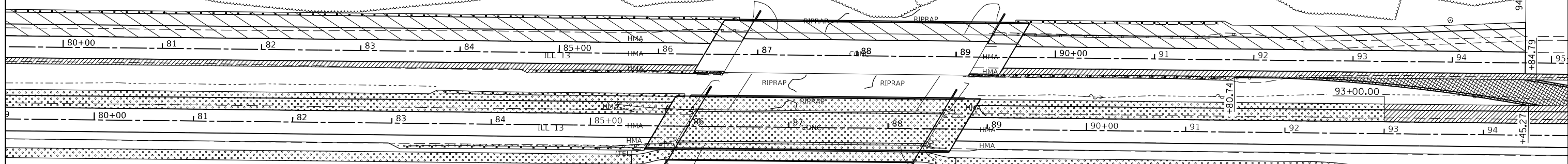
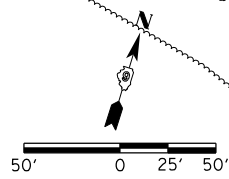
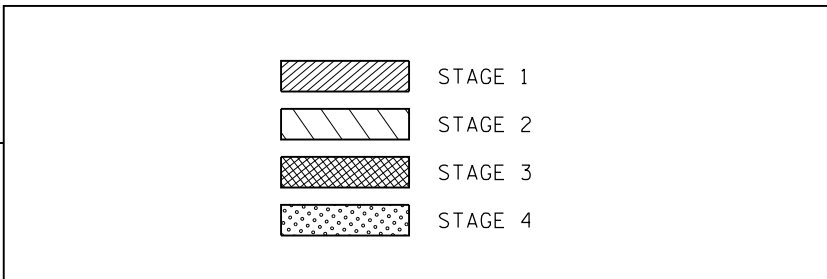
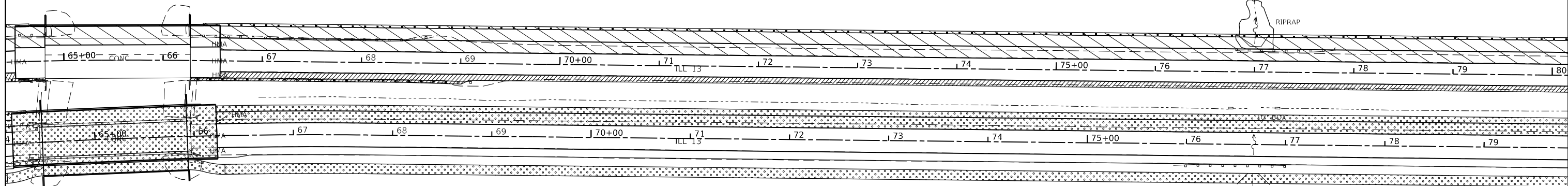
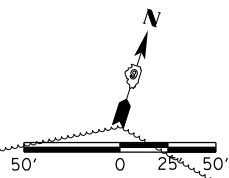
	STAGE 1
	STAGE 2
	STAGE 3
	STAGE 4

FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	
DATE -	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION STAGING LAYOUT				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	56
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				

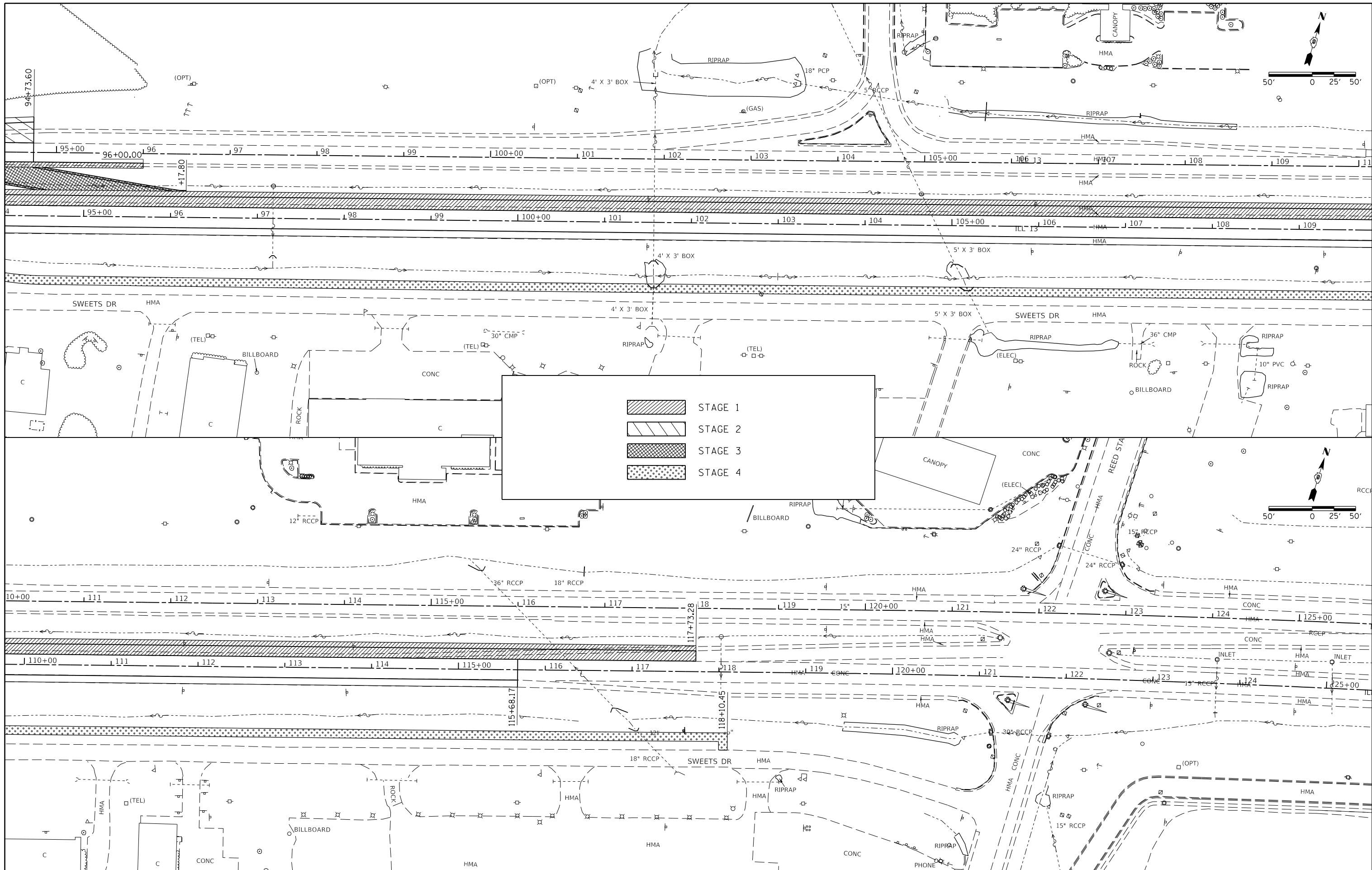


FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/23/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION STAGING LAYOUT			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	57
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	



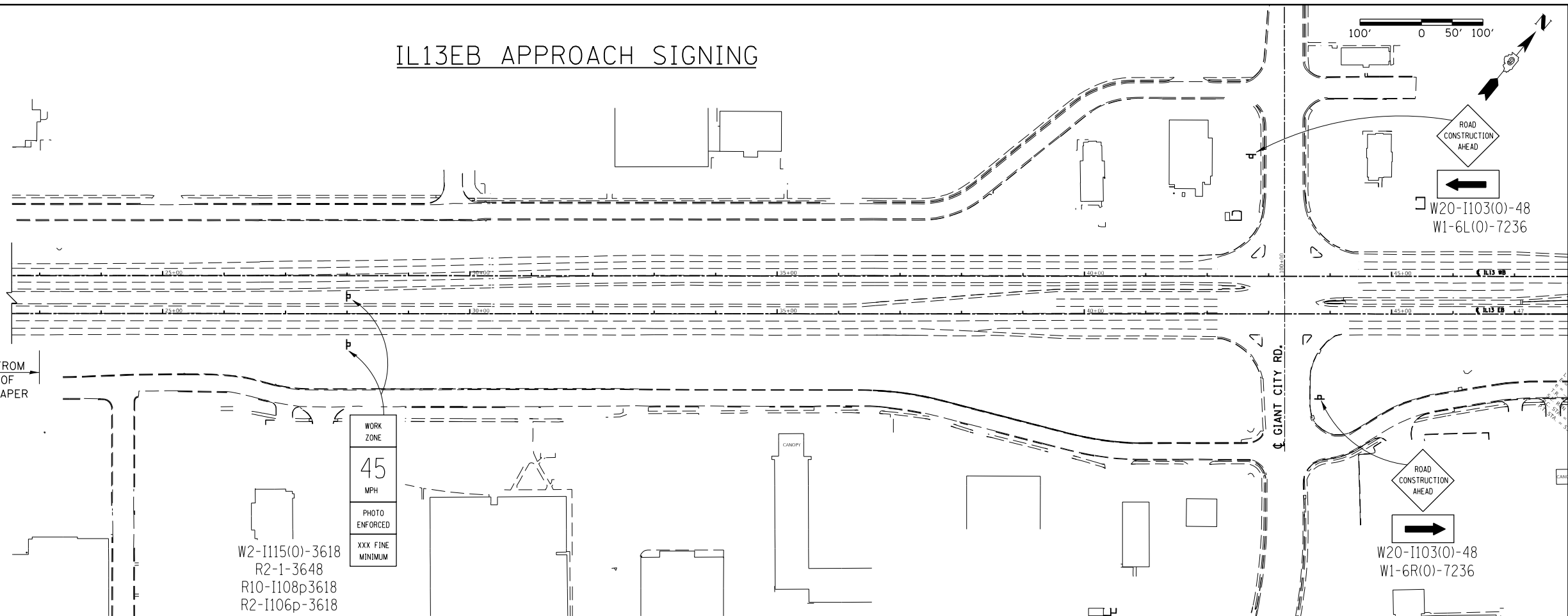
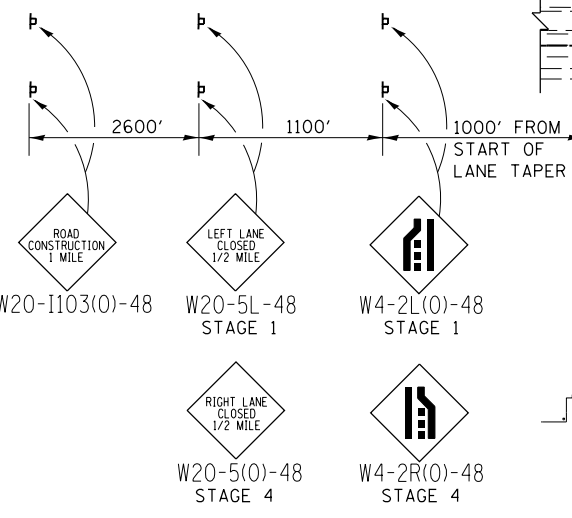
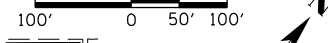
FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/23/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

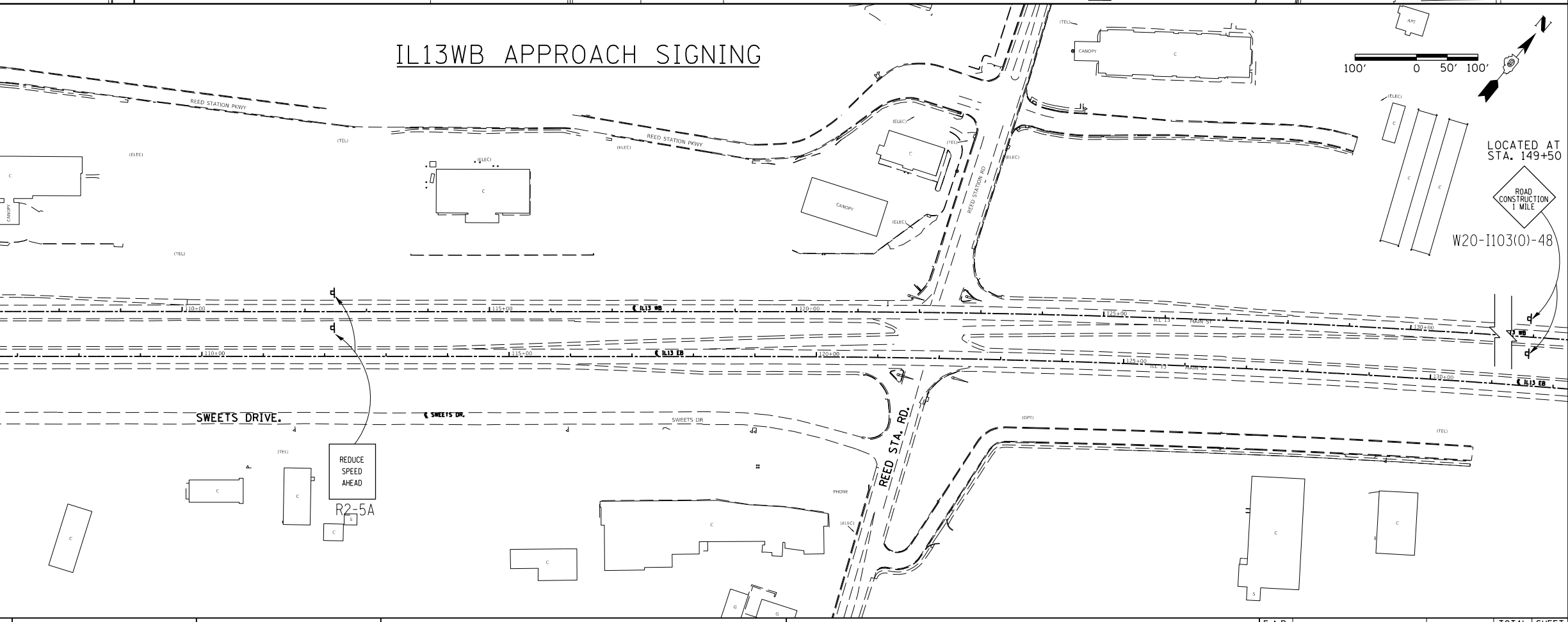
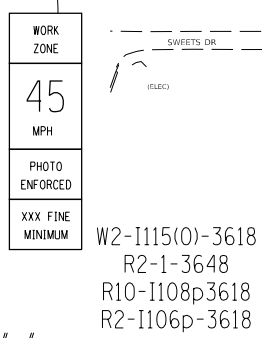
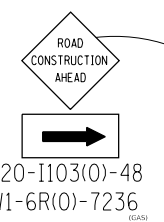
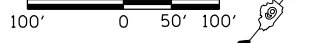
CONSTRUCTION STAGING LAYOUT			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	58
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				

IL13EB APPROACH SIGNING



IL13WB APPROACH SIGNING



FILE NAME =	USER NAME = naasdp	DESIGNED -	REVISED -
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Default	DATE -	REVISED -	REVISED -

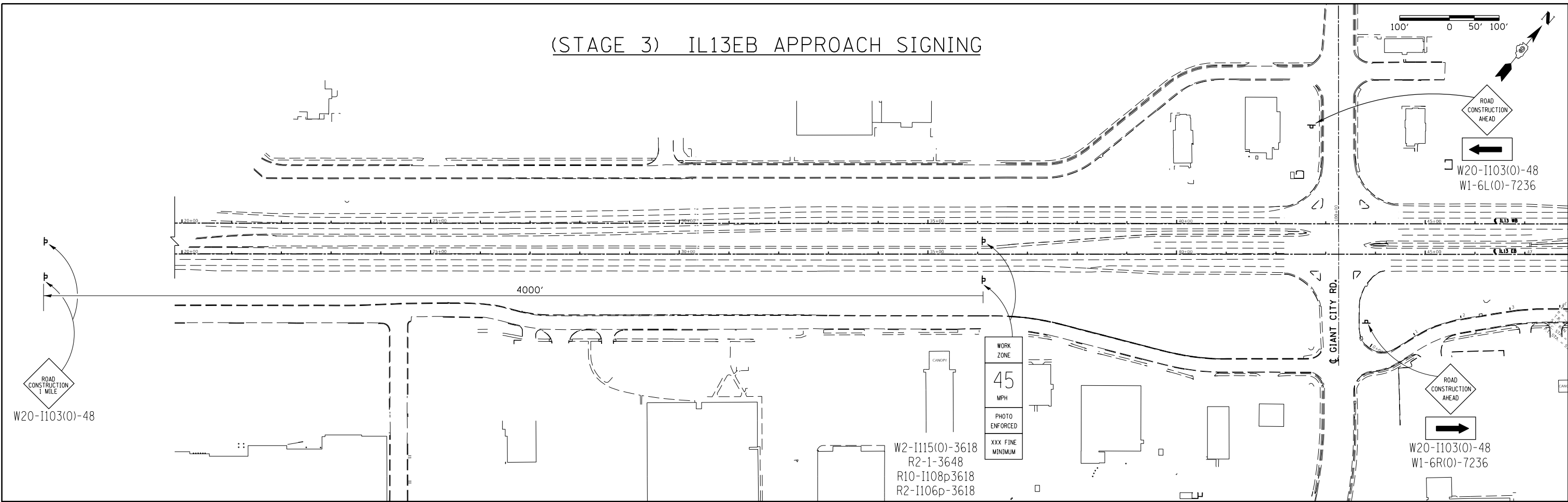
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGES 1 & 4 APPROACH SIGNING

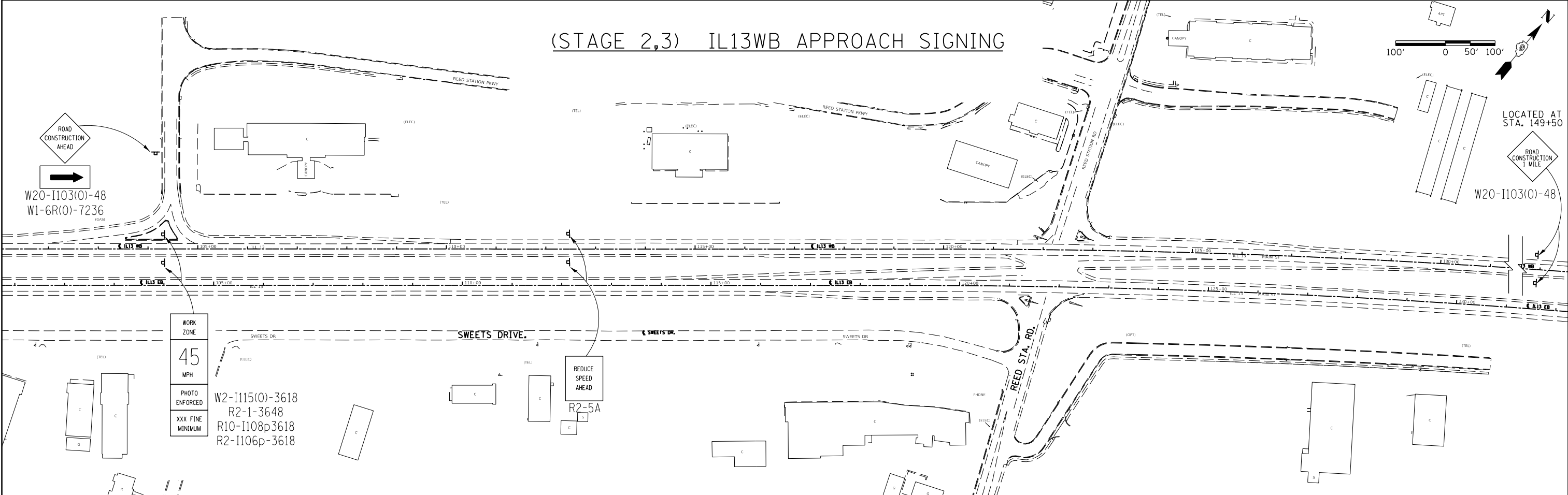
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	59
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				

(STAGE 3) IL13EB APPROACH SIGNING

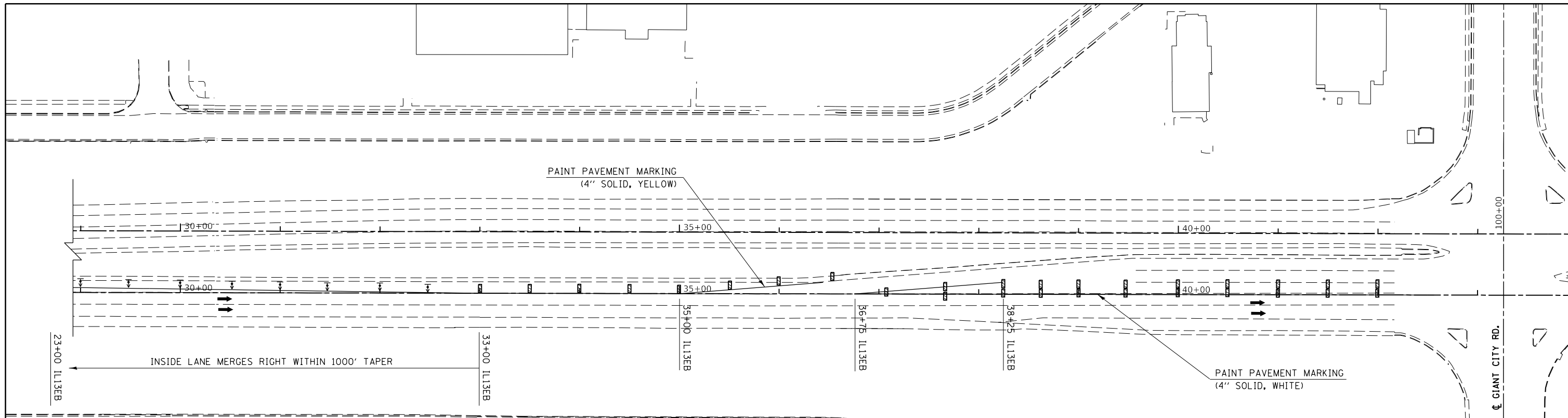


(STAGE 2,3) IL13WB APPROACH SIGNING



FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">STAGES 2 & 3 APPROACH SIGNING</p>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBID\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\13.4\Drawings\78295-New\CADDData\CADsheets\REVISED\Sh-G-pave.mark.dgn		CHECKED -	REVISED -		331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	60
Default		DATE -	REVISED -		CONTRACT NO. 78295				

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



NOTES

CONFLICTING PAVEMENT MARKINGS ON IL 13 EAST BOUND SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER FROM STATIONS 23+00 TO 58+00, AND ON IL 13 WEST BOUND FROM 51+00 TO 101+50.

ALL BARRICADES AND DRUMS SHALL BE AT 50 FT CENTERS.

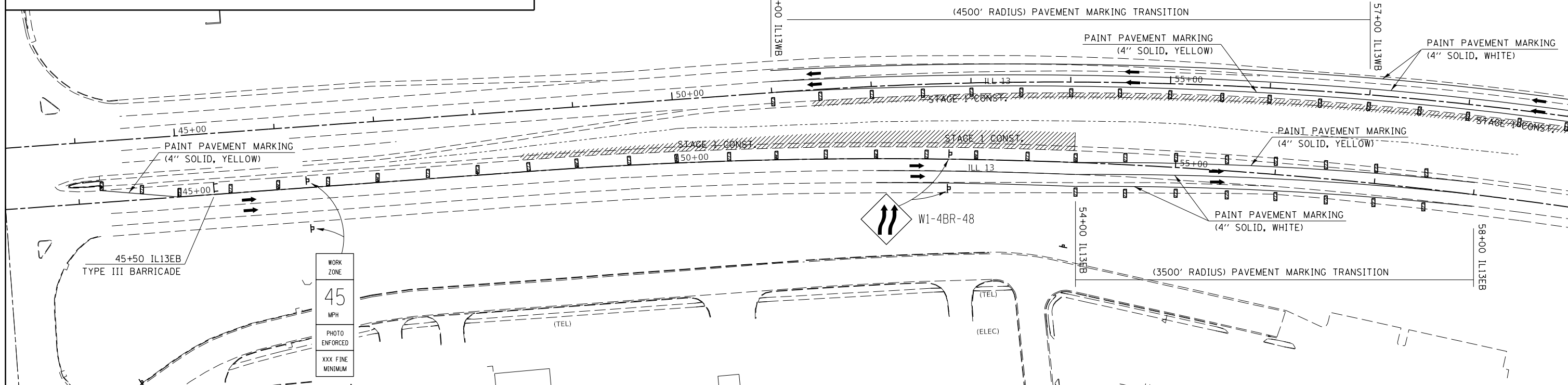
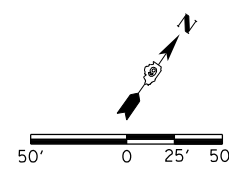
ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.

THE INSTALLING AND MAINTAINING OF ALL TRAFFIC CONTROL FOR THIS STAGE WILL NOT BE PAID FOR SEPERATELY AND SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, SPECIAL. EXCEPT THAT PAVEMENT MARKINGS WILL BE PAID FOR BY THE SIZE AND TYPE SPECIFIED.

SEE STAGE 1 APPROACH SIGNING SHEET FOR ADDITIONAL SIGNING.

SYMBOLS

- ↑ ARROW BOARD
- ⊕ DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- VERTICAL BARRICADE
- ⊞ TYPE III BARRICADE WITH FLASHING LIGHTS
- ▬ TEMPORARY CONCRETE BARRIER
- TUBULAR MARKER
- ▬ IMPACT ATTENUATOR



WORK ZONE
45
MPH
PHOTO ENFORCED
XXX FINE MINIMUM

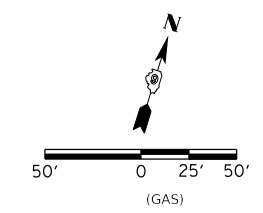
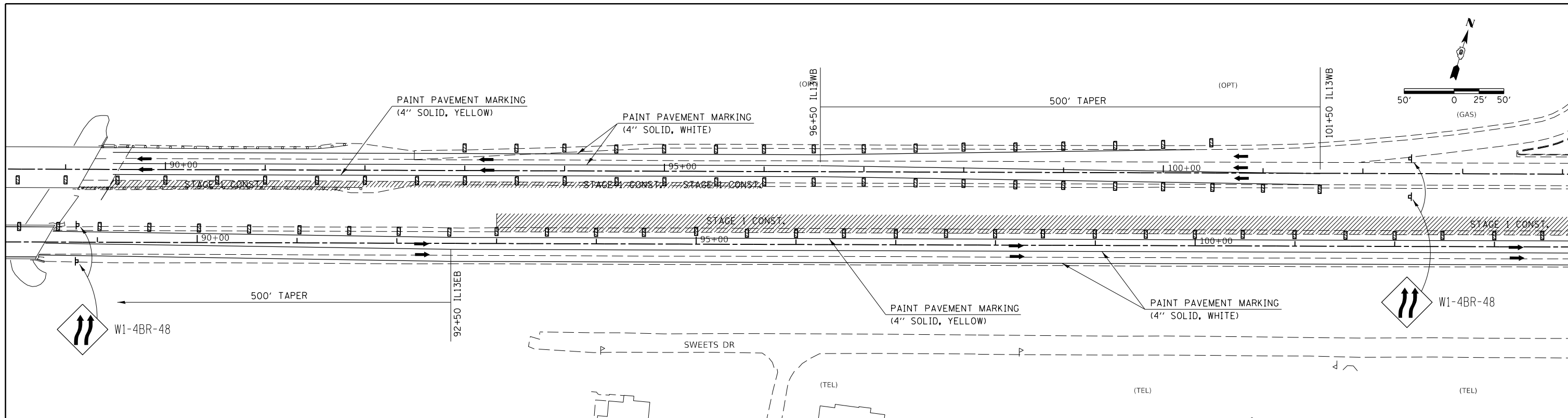
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 3/23/2018	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1 PAVEMENT MARKING & TRAFFIC CONTROL LAYOUT

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	61
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	



NOTES

CONFLICTING PAVEMENT MARKINGS ON IL 13 EAST BOUND SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER FROM STATIONS 87+50 TO 119+50. AND ON IL 13 WEST BOUND FROM 51+00 TO 101+50.

ALL BARRICADES AND DRUMS SHALL BE AT 50 FT CENTERS.

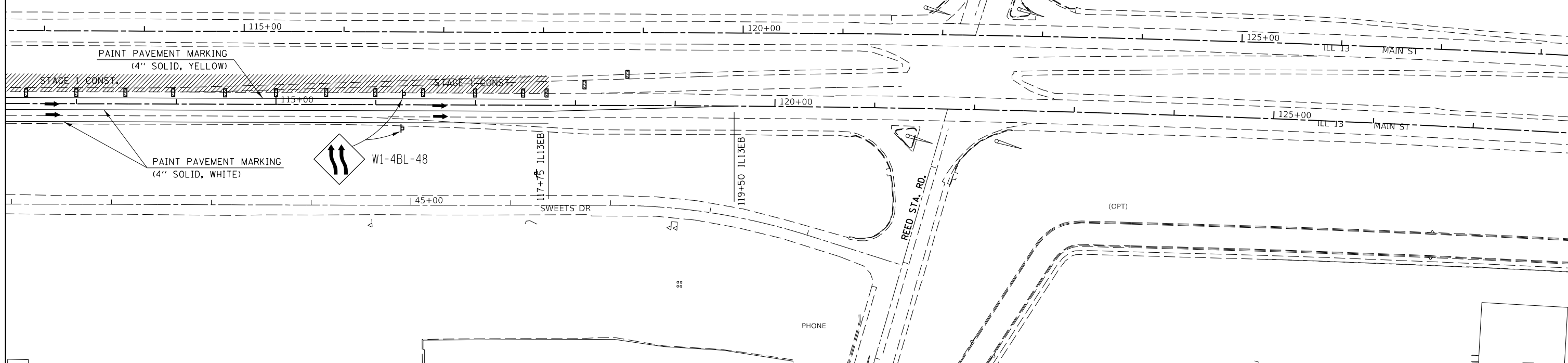
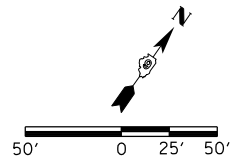
ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.

THE INSTALLING AND MAINTAINING OF ALL TRAFFIC CONTROL FOR THIS STAGE WILL NOT BE PAID FOR SEPERATELY AND SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, SPECIAL. EXCEPT THAT PAVEMENT MARKINGS WILL BE PAID FOR BY THE SIZE AND TYPE SPECIFIED.

SEE STAGE 1 APPROACH SIGNING SHEET FOR ADDITONAL SIGNING.

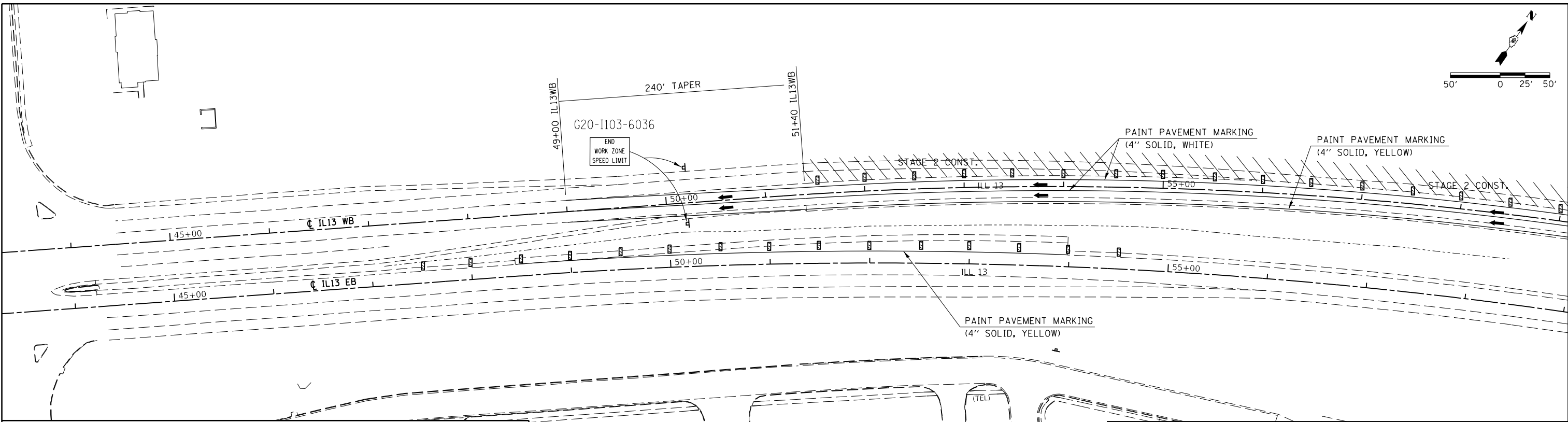
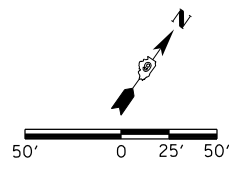
SYMBOLS

- ↑ ARROW BOARD
- ⊕ DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ VERTICAL BARRICADE
- ⌈ TYPE III BARRICADE WITH FLASHING LIGHTS
- ▬ TEMPORARY CONCRETE BARRIER
- TUBULAR MARKER
- ▬ IMPACT ATTENUATOR



FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">STAGE 1 PAVEMENT MARKING & TRAFFIC CONTROL LAYOUT</p>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBID\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\13.d\Drawings\13-295-New\CADData\CADsheets\REVISED\13-295-pave.mark.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	62
Default	PLOT DATE = 3/23/2018	DATE -	REVISED -		CONTRACT NO. 78295				

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



NOTES

CONFLICTING PAVEMENT MARKINGS ON IL 13 WEST BOUND SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER FROM STATIONS 49+00 TO 101+00.

ALL BARRICADES AND DRUMS SHALL BE AT 50 FT CENTERS.

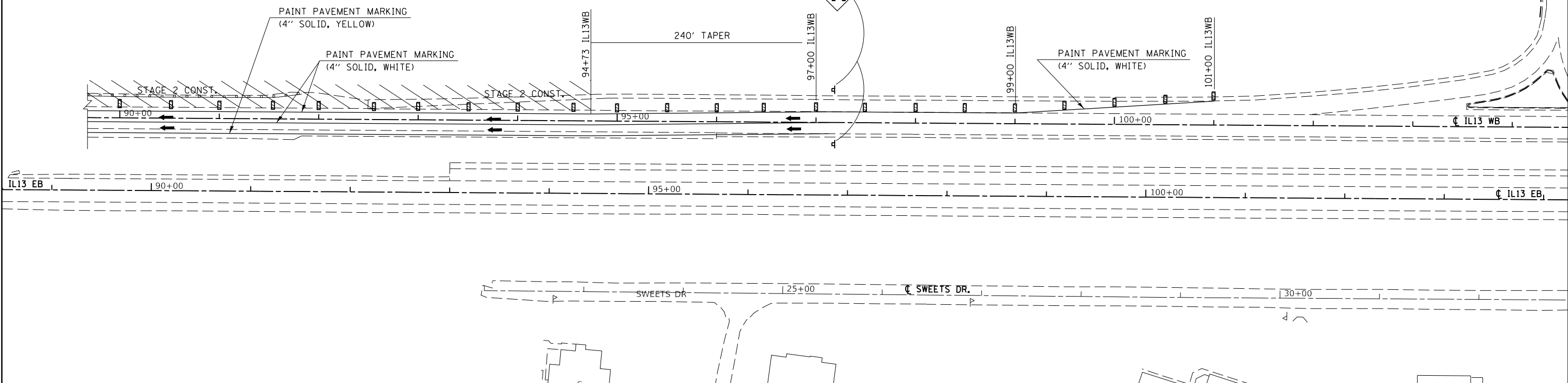
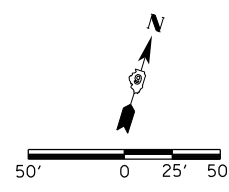
ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.

THE INSTALLING AND MAINTAINING OF ALL TRAFFIC CONTROL FOR THIS STAGE WILL NOT BE PAID FOR SEPERATELY AND SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, SPECIAL. EXCEPT THAT PAVEMENT MARKINGS WILL BE PAID FOR BY THE SIZE AND TYPE SPECIFIED.

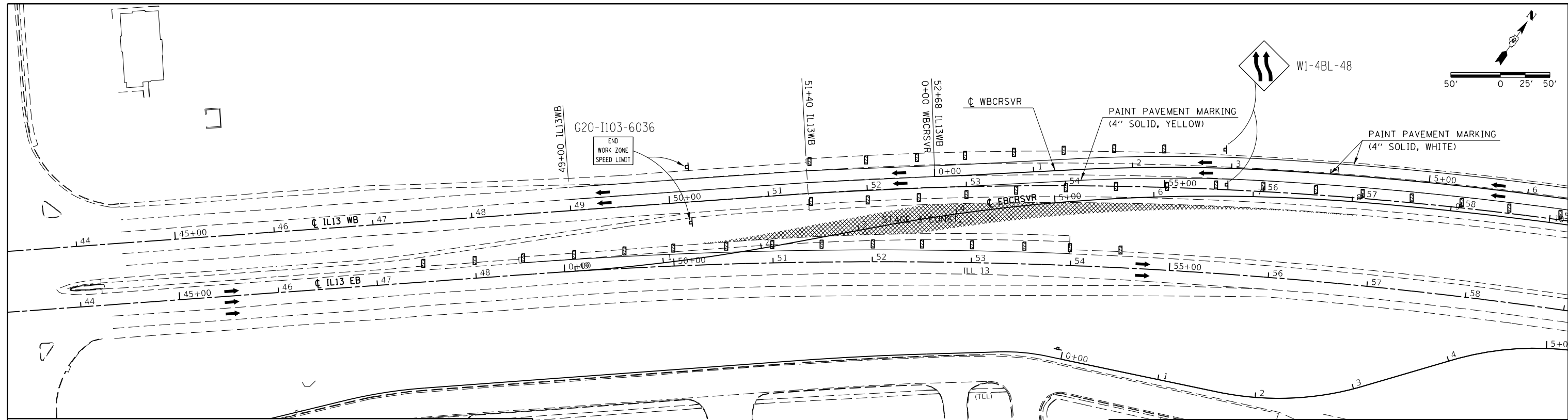
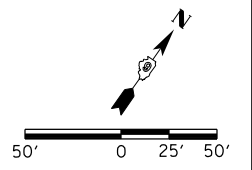
SEE STAGE 2 APPROACH SIGNING SHEET FOR ADDITONAL SIGNING.

SYMBOLS

- ↑ ARROW BOARD
- ⊕ DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- VERTICAL BARRICADE
- ⌈ TYPE III BARRICADE WITH FLASHING LIGHTS
- ▬ TEMPORARY CONCRETE BARRIER
- TUBULAR MARKER
- ▬ IMPACT ATTENUATOR



FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 2 PAVEMENT MARKING & TRAFFIC CONTROL LAYOUT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT DATE = 3/23/2018	DATE -	REVISED -			CONTRACT NO. 78295		ILLINOIS FED. AID PROJECT		



NOTES

CONFLICTING PAVEMENT MARKINGS ON IL 13 WEST BOUND SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER FROM STATIONS 49+00 TO 51+40, AND 94+73 TO 97+00. AND ON IL 13 EAST BOUND FROM STATIONS 47+00 TO 55+00, AND 92+00 TO 101+00.

ALL BARRICADES AND DRUMS SHALL BE AT 50 FT CENTERS.

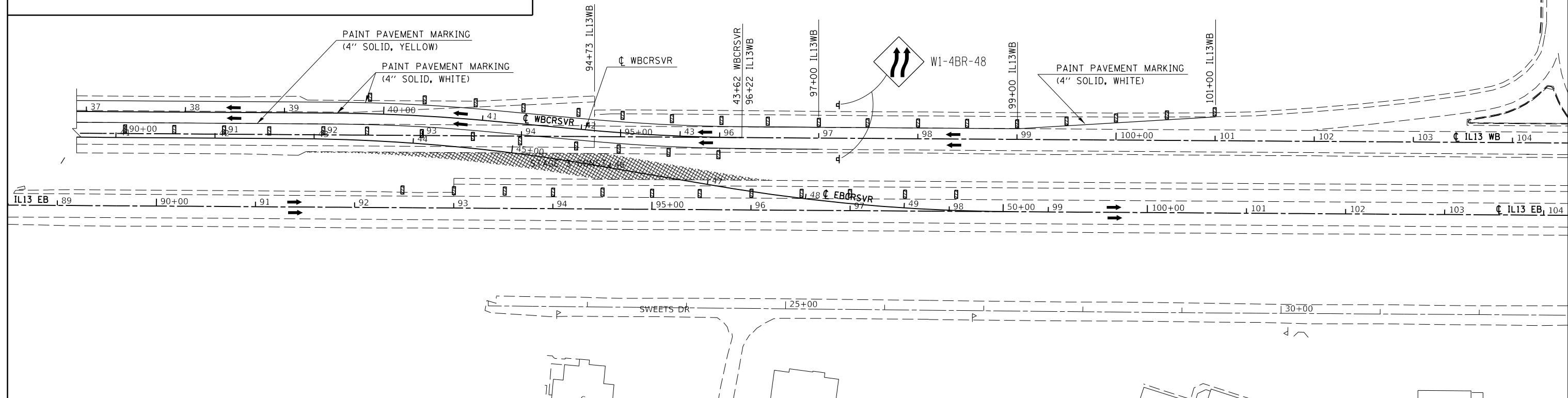
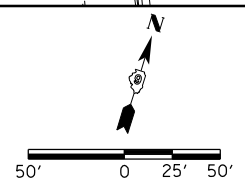
ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.

THE INSTALLING AND MAINTAINING OF ALL TRAFFIC CONTROL FOR THIS STAGE WILL NOT BE PAID FOR SEPERATELY AND SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, SPECIAL. EXCEPT THAT PAVEMENT MARKINGS WILL BE PAID FOR BY THE SIZE AND TYPE SPECIFIED.

SEE STAGE 3 APPROACH SIGNING SHEET FOR ADDITIONAL SIGNING.

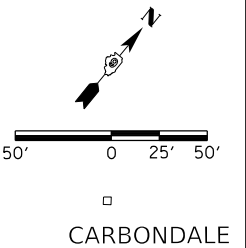
SYMBOLS

- ↑ ARROW BOARD
- ⊕ DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ VERTICAL BARRICADE
- ⌈ TYPE III BARRICADE WITH FLASHING LIGHTS
- ▬ TEMPORARY CONCRETE BARRIER
- TUBULAR MARKER
- ▬ IMPACT ATTENUATOR

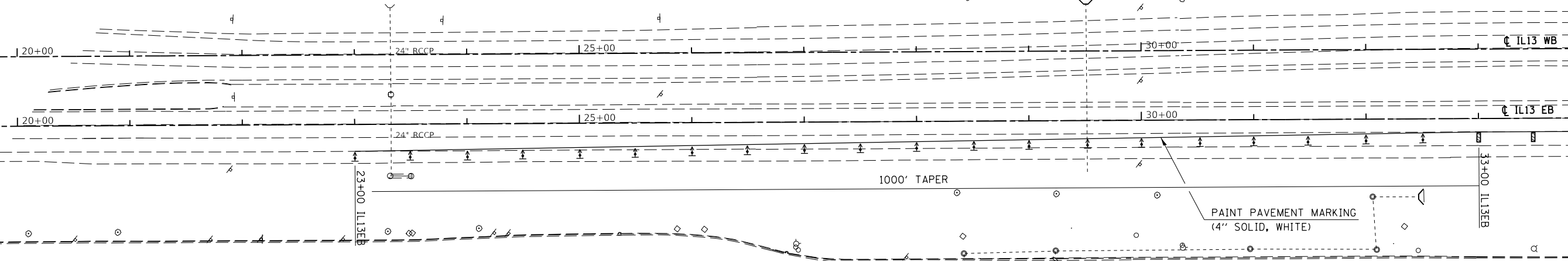


FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 3 PAVEMENT MARKING & TRAFFIC CONTROL LAYOUT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT DATE = 3/23/2018	DATE -	REVISED -			CONTRACT NO. 78295		ILLINOIS FED. AID PROJECT		

IL13 EB



CARBONDALE



NOTES

CONFLICTING PAVEMENT MARKINGS ON IL 13 EAST BOUND SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER FROM STATIONS 23+00 TO 43+00.

ALL BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE AT 50 FT CENTERS.

ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.

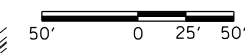
THE INSTALLING AND MAINTAINING OF ALL TRAFFIC CONTROL FOR THIS STAGE WILL NOT BE PAID FOR SEPERATELY AND SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, SPECIAL. EXCEPT THAT PAVEMENT MARKINGS WILL BE PAID FOR BY THE SIZE AND TYPE SPECIFIED.

SEE STAGE 4 APPROACH SIGNING SHEET FOR ADDITIONAL SIGNING.

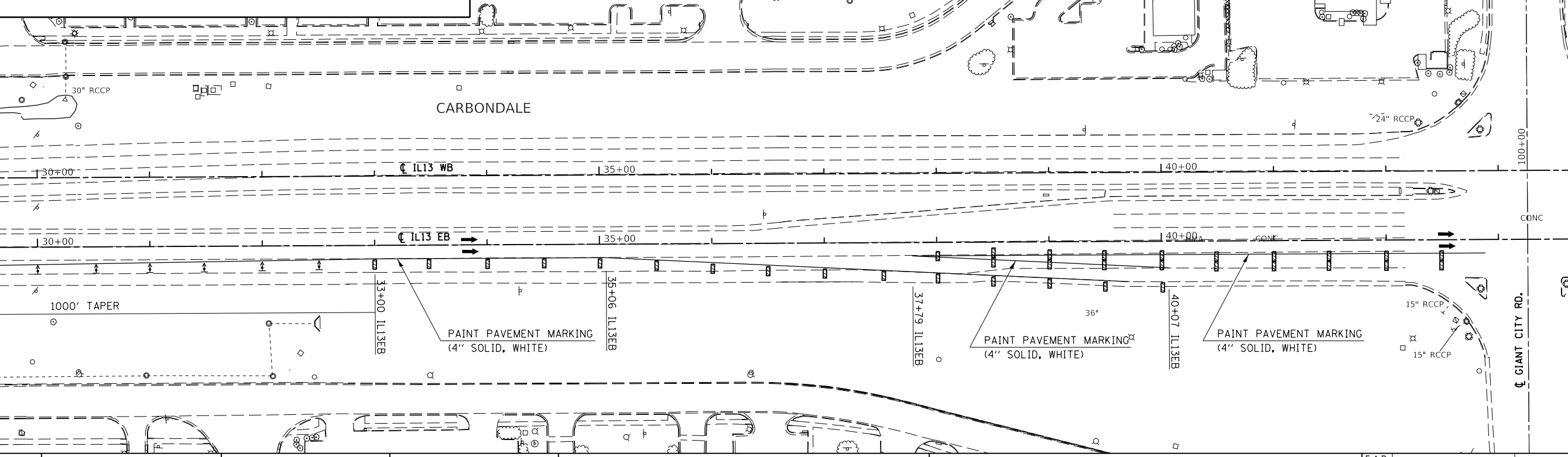
SYMBOLS

- ↑ ARROW BOARD
- ⚡ DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▤ VERTICAL BARRICADE
- ⌈ TYPE III BARRICADE WITH FLASHING LIGHTS
- ▬ TEMPORARY CONCRETE BARRIER
- TUBULAR MARKER
- ▬ IMPACT ATTENUATOR

IL13 EB



CARBONDALE



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DATE = 3/23/2018	DATE -	REVISED -	REVISED -

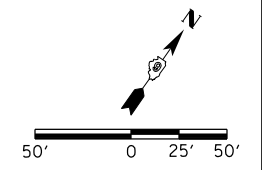
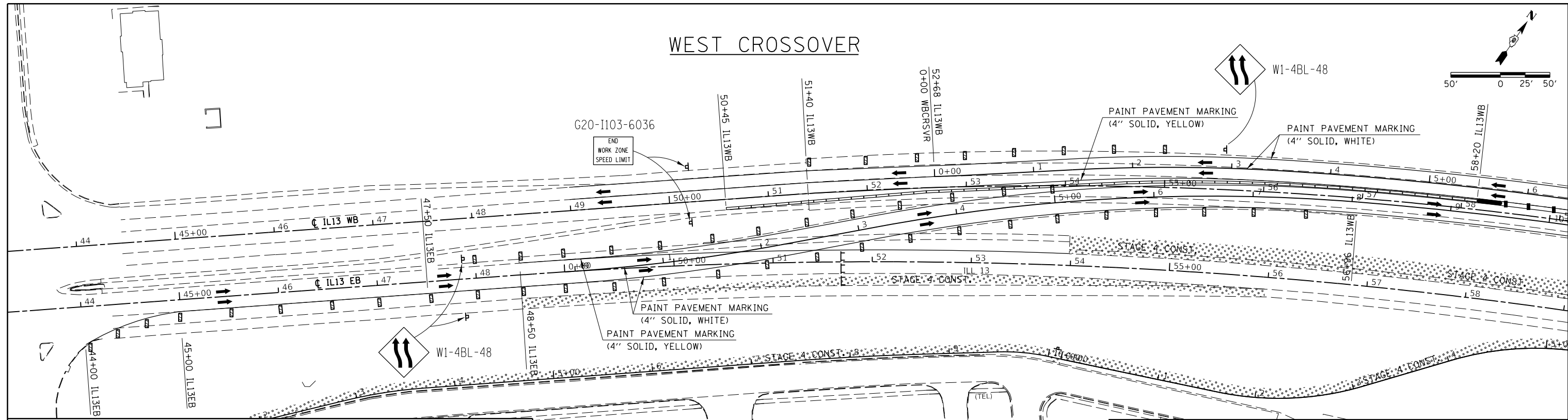
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 4 PAVEMENT MARKING & TRAFFIC CONTROL LAYOUT

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	65
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	

WEST CROSSOVER



NOTES

CONFLICTING PAVEMENT MARKINGS ON IL 13 WEST BOUND SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER FROM STATIONS 52+00 TO 59+96, AND FROM 91+73 TO 95+00. AND ON IL 13 EAST BOUND FROM STA. 45+00 TO 52+00, AND FROM 95+00 TO 121+38.

ALL BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE AT 50 FT CENTERS.

TUBULAR MARKERS SHALL BE PLACED AT 25 FT CENTERS.

ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.

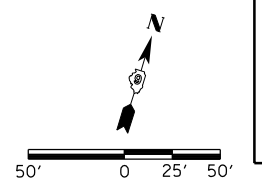
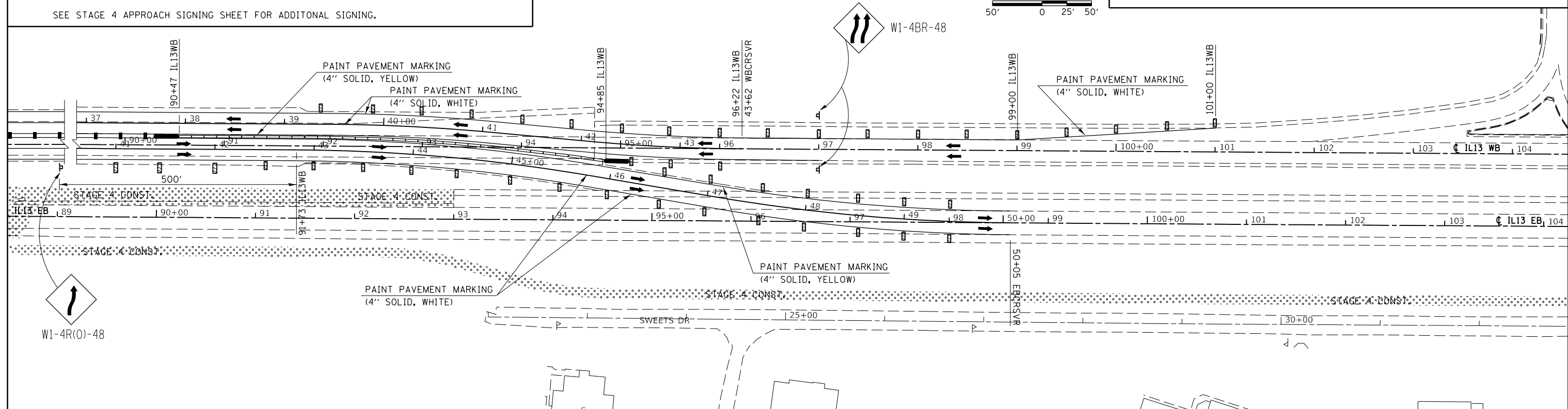
THE INSTALLING AND MAINTAINING OF ALL TRAFFIC CONTROL FOR THIS STAGE WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, SPECIAL. EXCEPT THAT PAVEMENT MARKINGS WILL BE PAID FOR BY THE SIZE AND TYPE SPECIFIED.

SEE STAGE 4 APPROACH SIGNING SHEET FOR ADDITIONAL SIGNING.

SYMBOLS

- ↑ ARROW BOARD
- ⊕ DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊞ VERTICAL BARRICADE
- ⊞ TYPE III BARRICADE WITH FLASHING LIGHTS
- ▬ TEMPORARY CONCRETE BARRIER
- TUBULAR MARKER
- ▬ IMPACT ATTENUATOR

EAST CROSSOVER



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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 3/23/2018		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 4 PAVEMENT MARKING & TRAFFIC CONTROL LAYOUT

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	66
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	



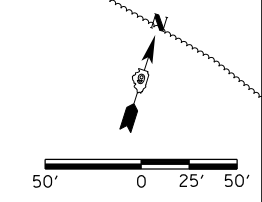
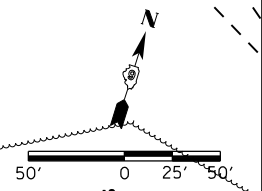
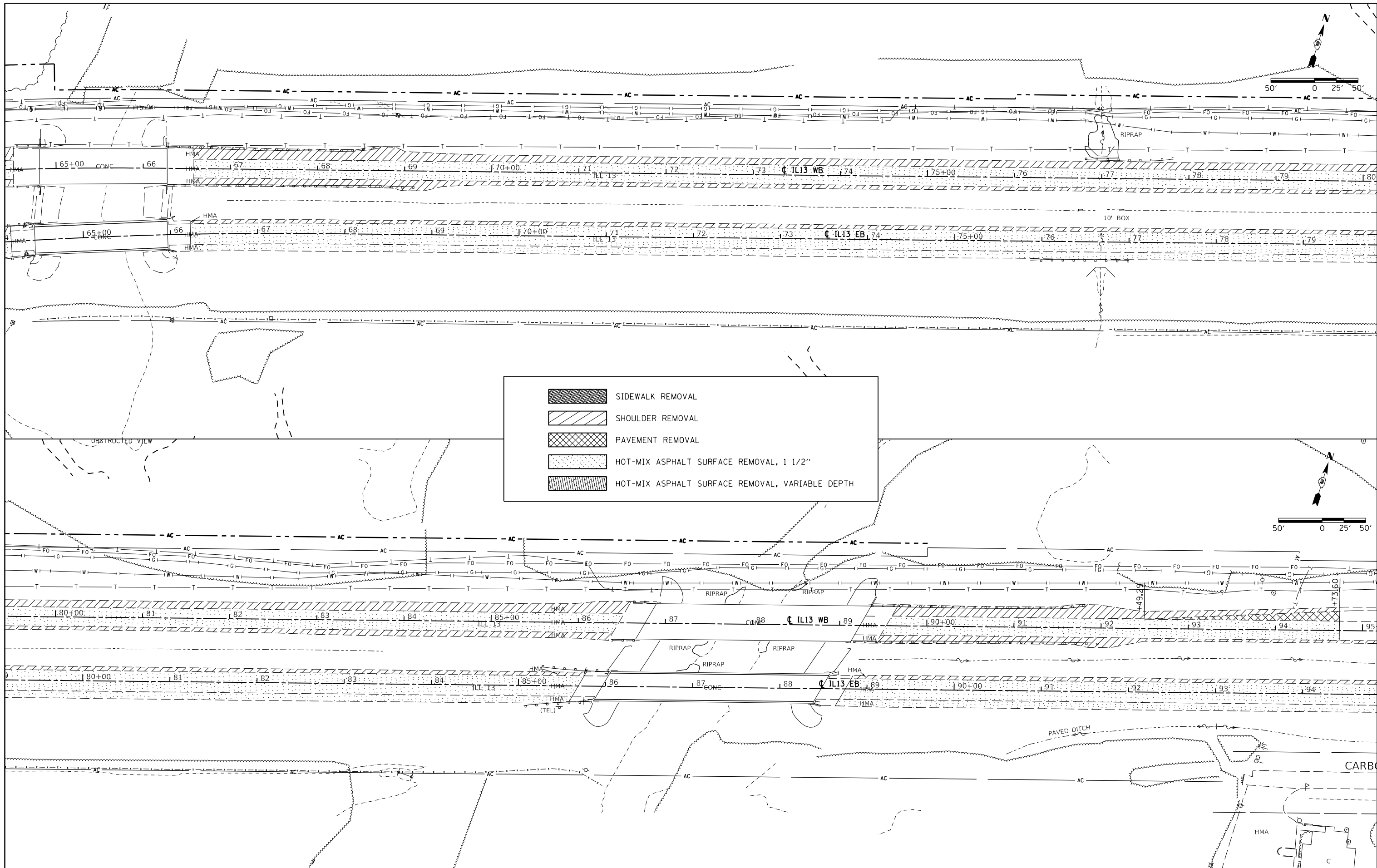
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Default	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	67
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				



	SIDEWALK REMOVAL
	SHOULDER REMOVAL
	PAVEMENT REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

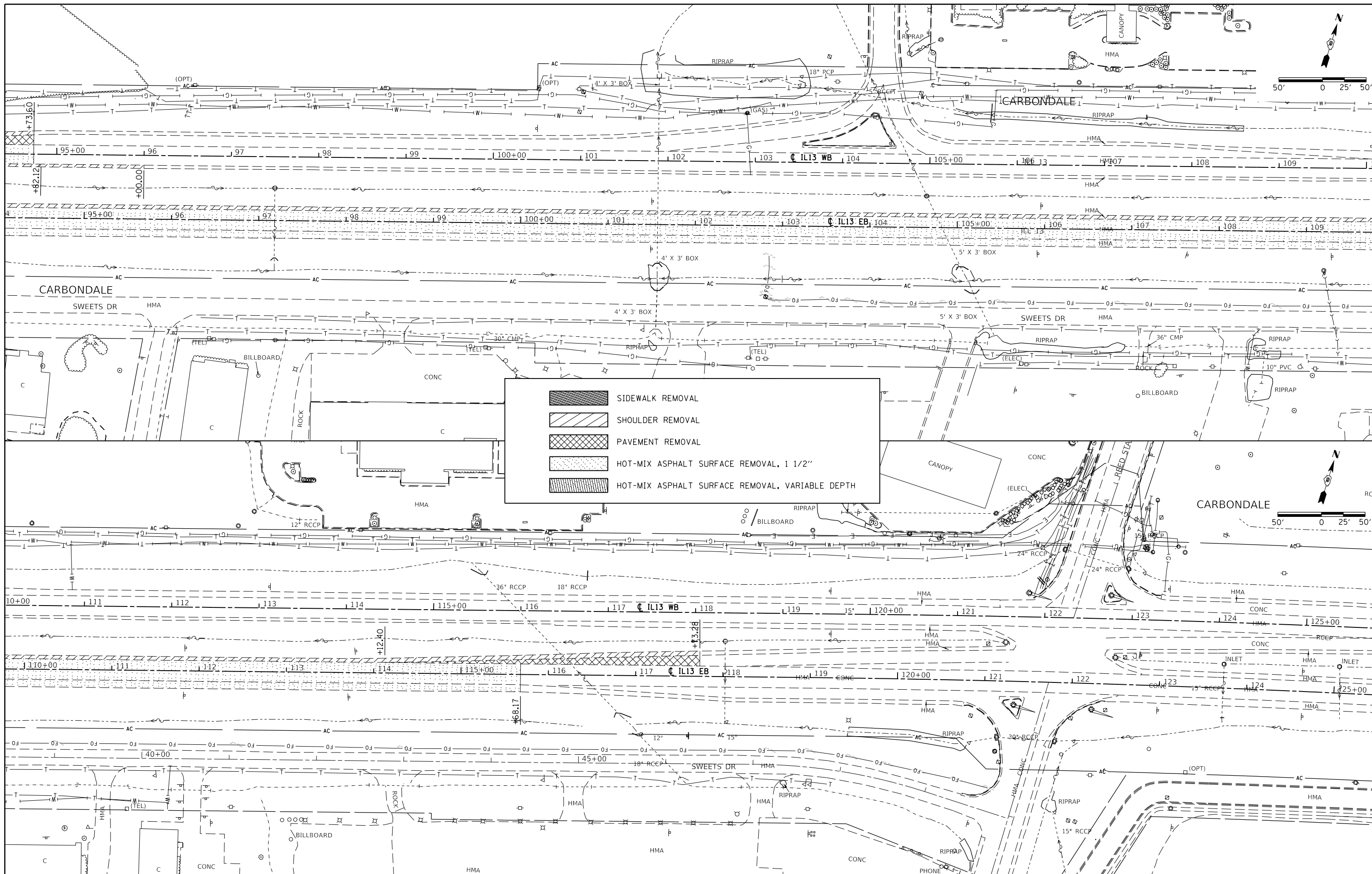
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 3/23/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	68
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	



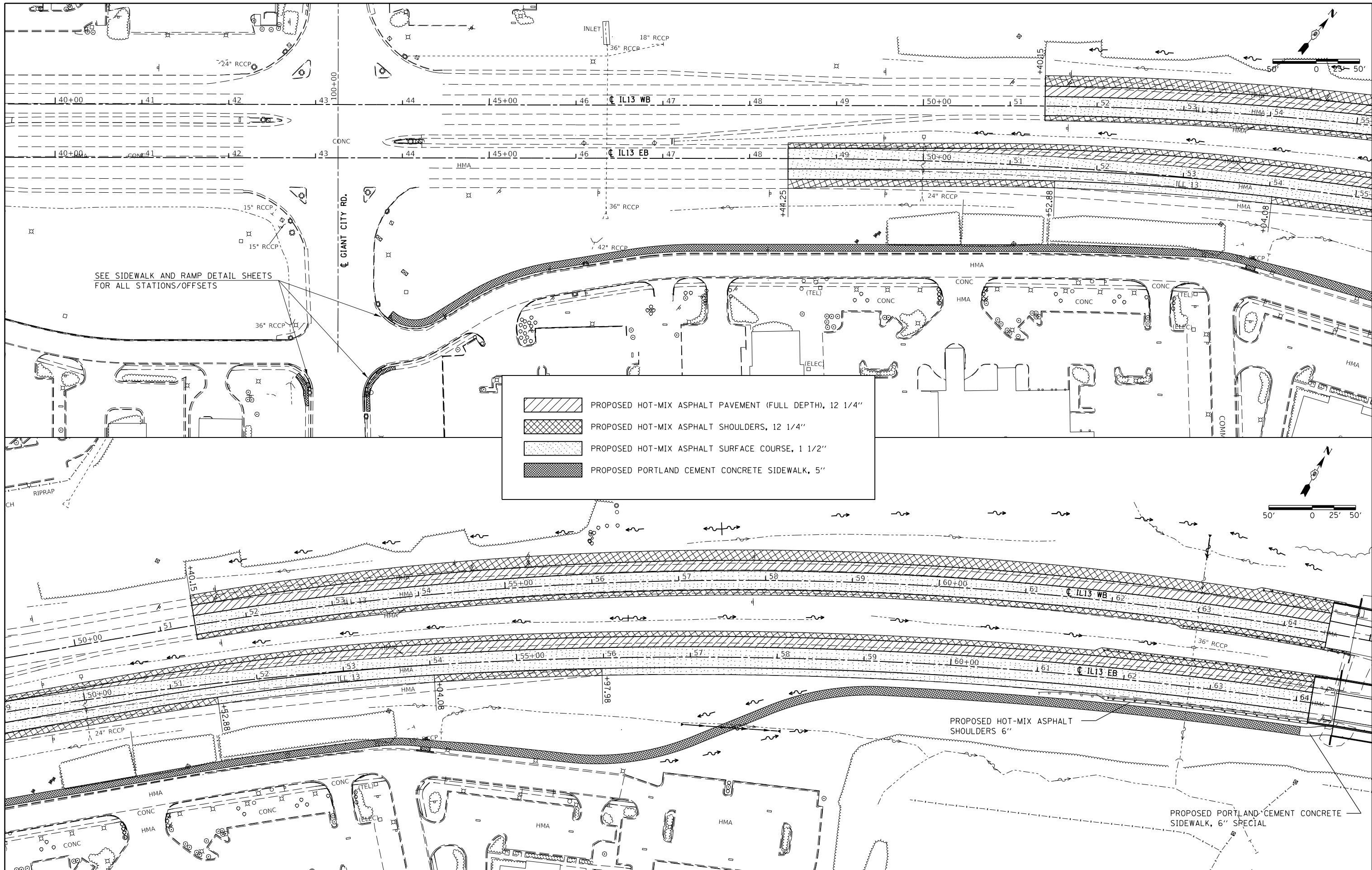
	SIDEWALK REMOVAL
	SHOULDER REMOVAL
	PAVEMENT REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	
Default	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	69
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				

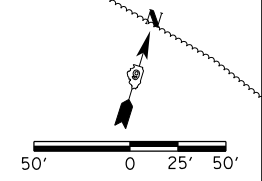
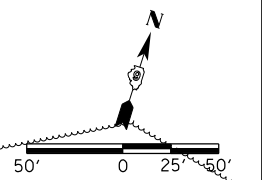
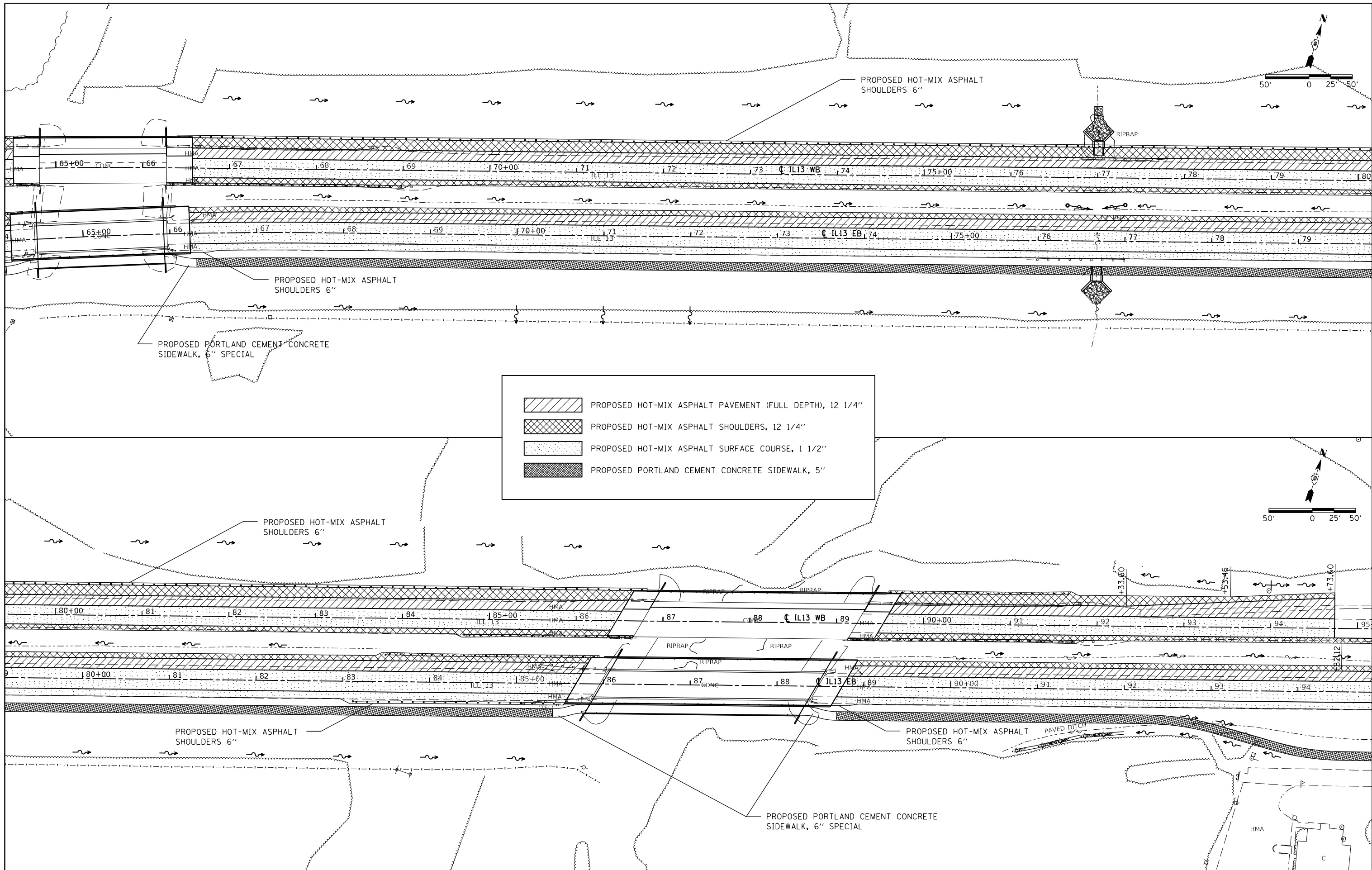


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PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -
Default		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	70
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				



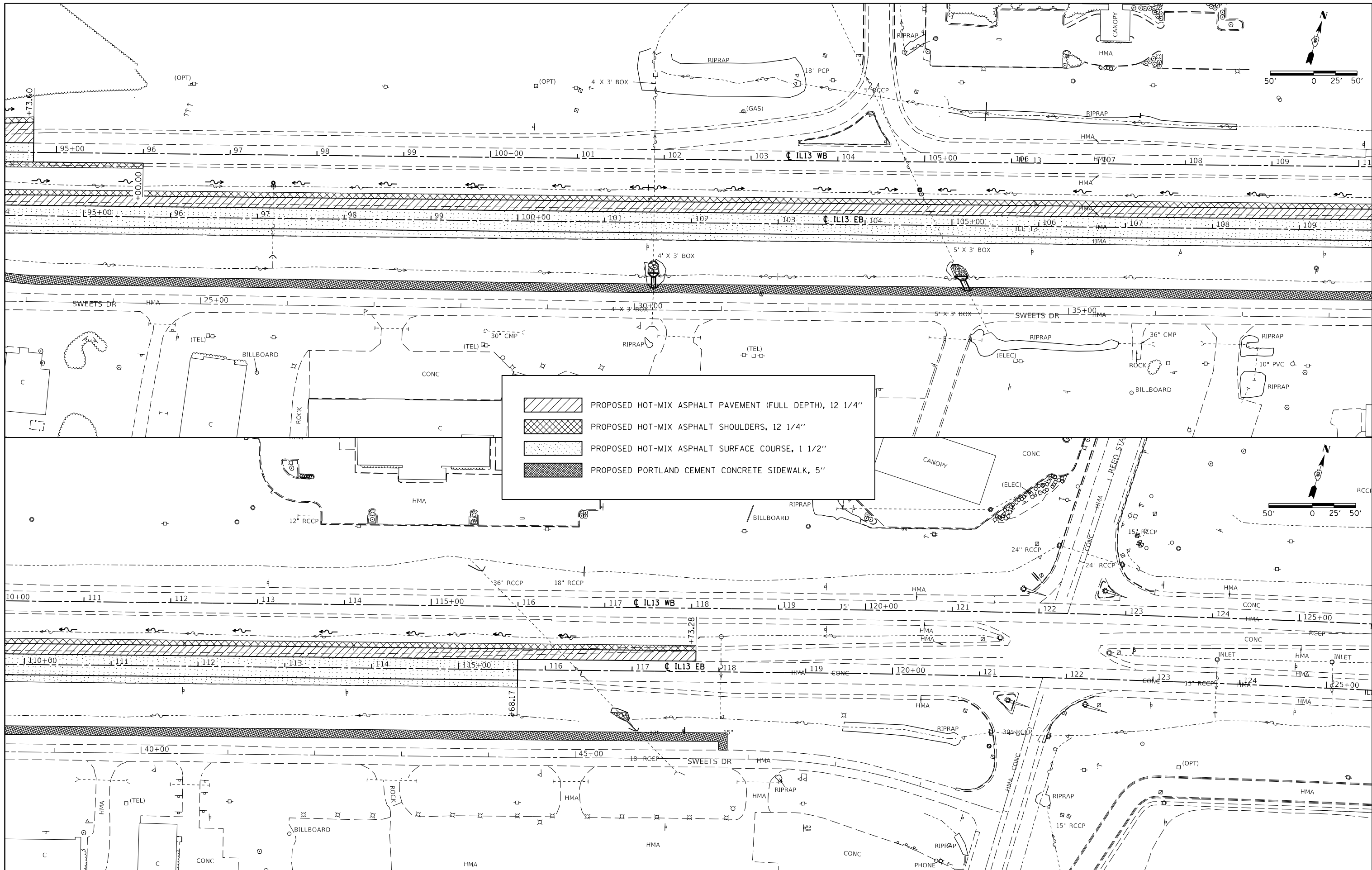
	PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12 1/4"
	PROPOSED HOT-MIX ASPHALT SHOULDERS, 12 1/4"
	PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
	PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5"

FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/23/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	71
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	



	PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12 1/4"
	PROPOSED HOT-MIX ASPHALT SHOULDERS, 12 1/4"
	PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
	PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5"

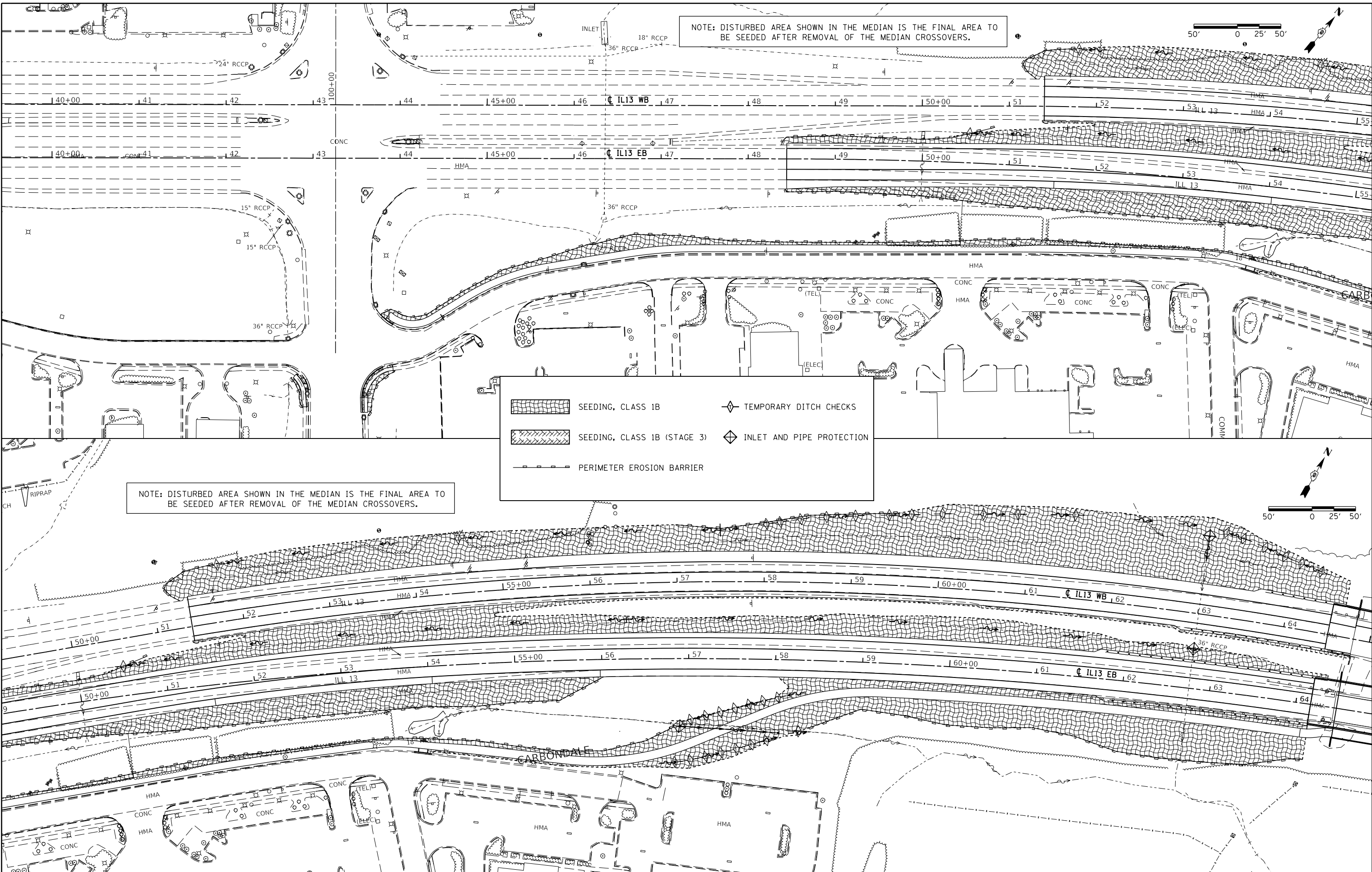
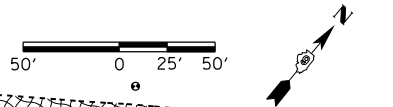
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 3/23/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

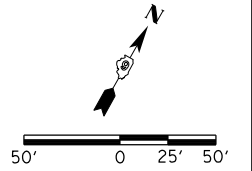
CONSTRUCTION SHEET				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	72
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				

NOTE: DISTURBED AREA SHOWN IN THE MEDIAN IS THE FINAL AREA TO BE SEEDDED AFTER REMOVAL OF THE MEDIAN CROSSOVERS.



NOTE: DISTURBED AREA SHOWN IN THE MEDIAN IS THE FINAL AREA TO BE SEEDDED AFTER REMOVAL OF THE MEDIAN CROSSOVERS.



	SEEDING, CLASS 1B		TEMPORARY DITCH CHECKS
	SEEDING, CLASS 1B (STAGE 3)		INLET AND PIPE PROTECTION
	PERIMETER EROSION BARRIER		

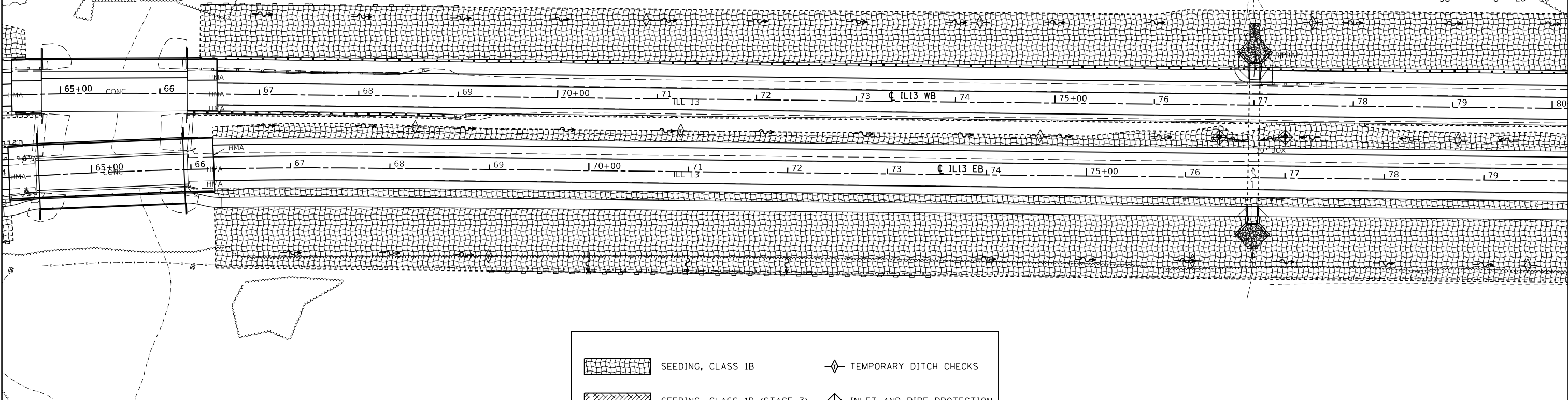
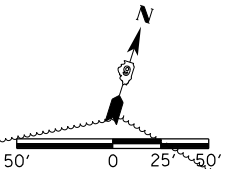
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Default	PLOT DATE = 3/23/2018	DATE -	REVISED -



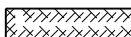


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

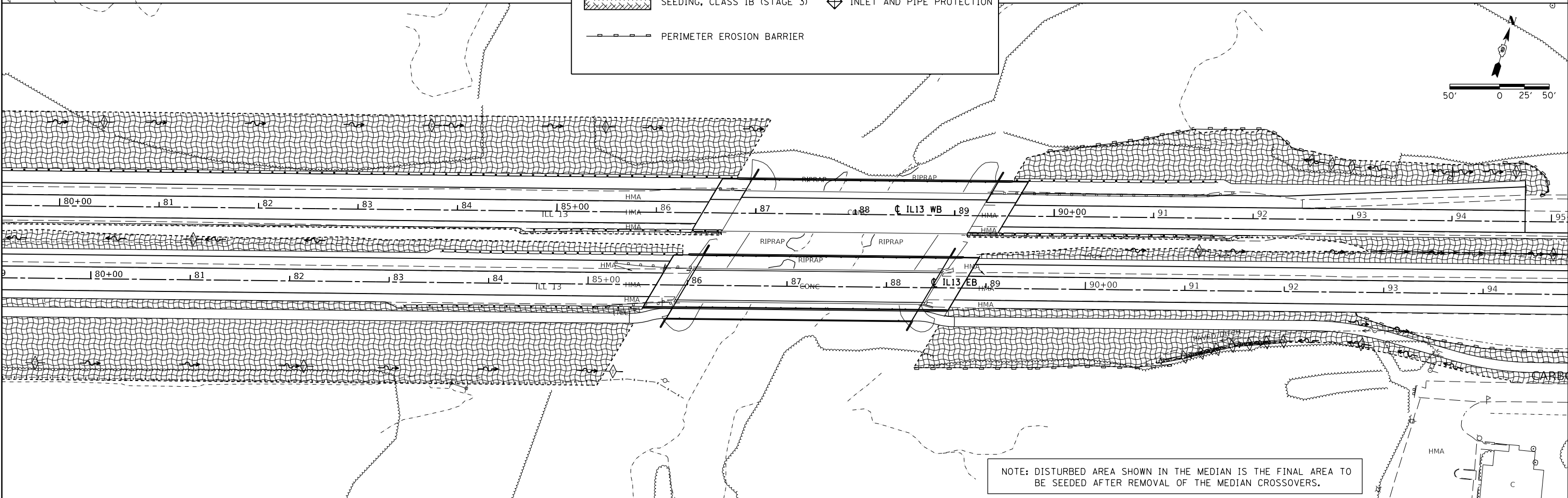
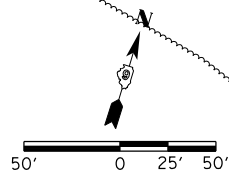
EROSION CONTROL SHEET				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	73
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				

NOTE: DISTURBED AREA SHOWN IN THE MEDIAN IS THE FINAL AREA TO BE SEEDED AFTER REMOVAL OF THE MEDIAN CROSSOVERS.



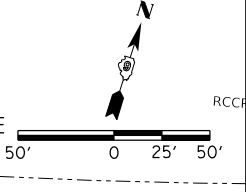
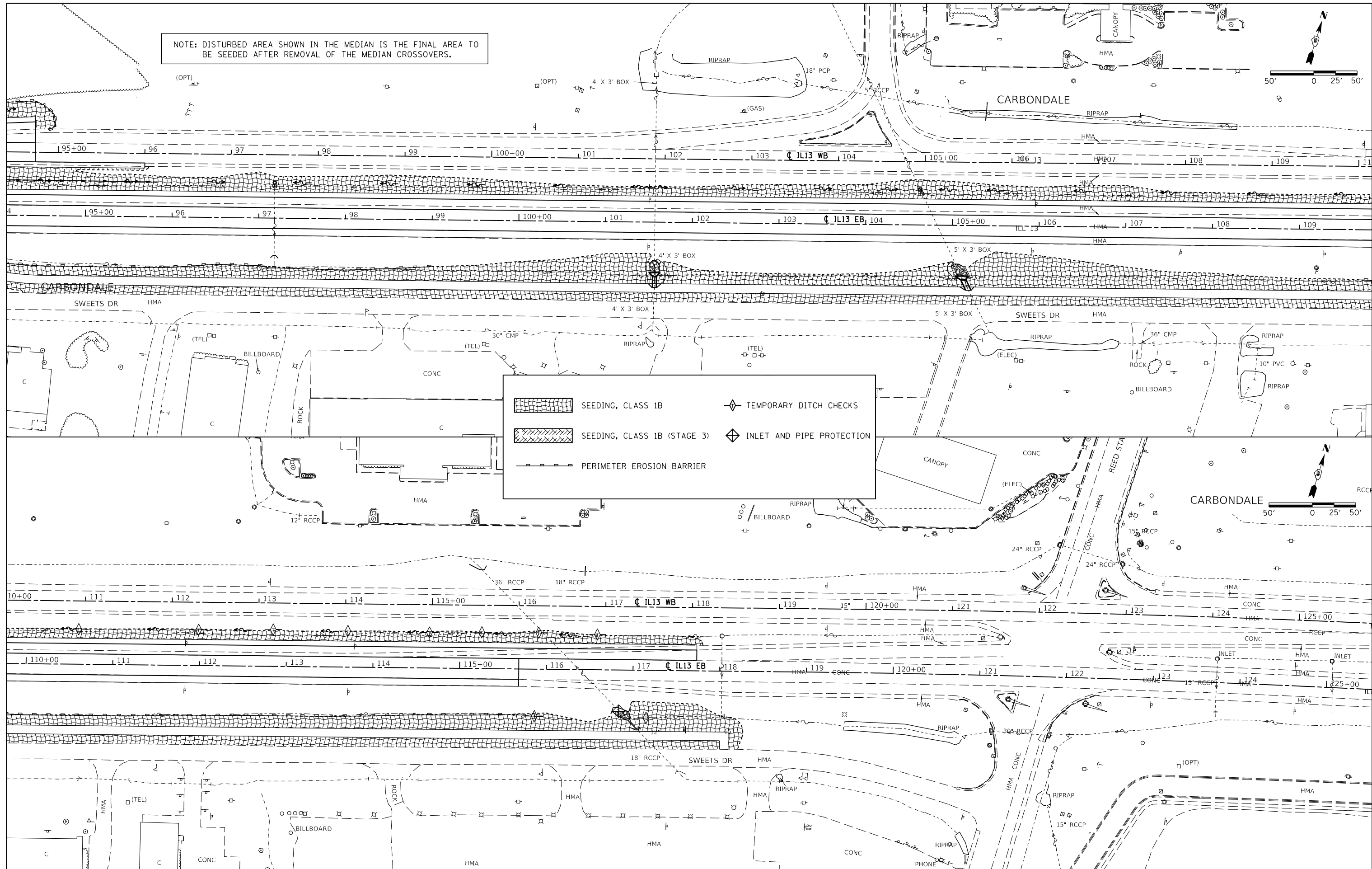
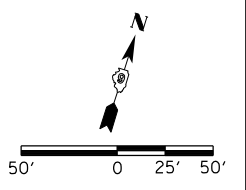
	SEEDING, CLASS 1B		TEMPORARY DITCH CHECKS
	SEEDING, CLASS 1B (STAGE 3)		INLET AND PIPE PROTECTION
	PERIMETER EROSION BARRIER		



NOTE: DISTURBED AREA SHOWN IN THE MEDIAN IS THE FINAL AREA TO BE SEEDED AFTER REMOVAL OF THE MEDIAN CROSSOVERS.

FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL SHEET				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\IL084EBIDINTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\13.dgn	DRAWN =	CHECKED -	REVISED -						331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	74
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -						CONTRACT NO. 78295				
	PLOT DATE = 3/23/2018			SCALE: SHEET OF SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT					

NOTE: DISTURBED AREA SHOWN IN THE MEDIAN IS THE FINAL AREA TO BE SEEDED AFTER REMOVAL OF THE MEDIAN CROSSOVERS.

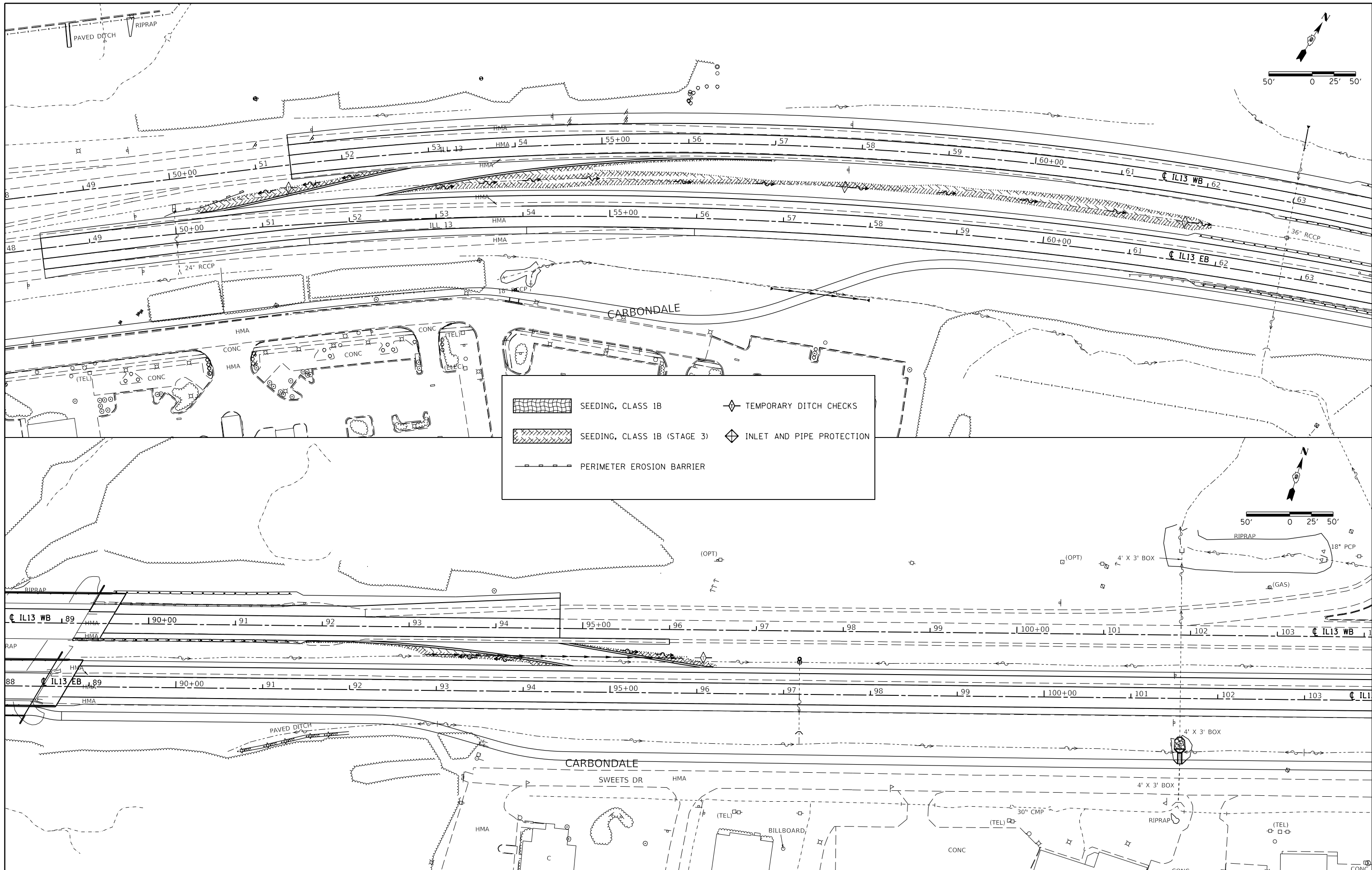


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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/23/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL SHEET			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	75
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				



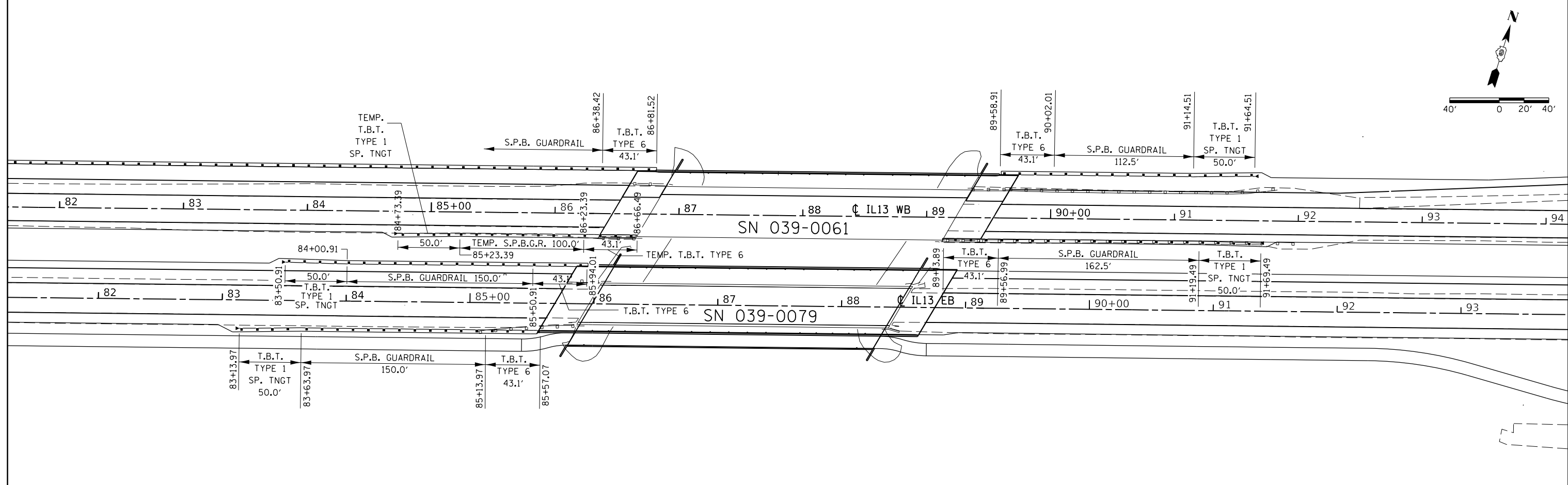
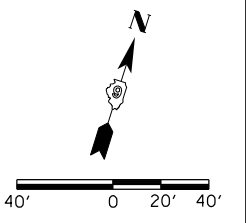
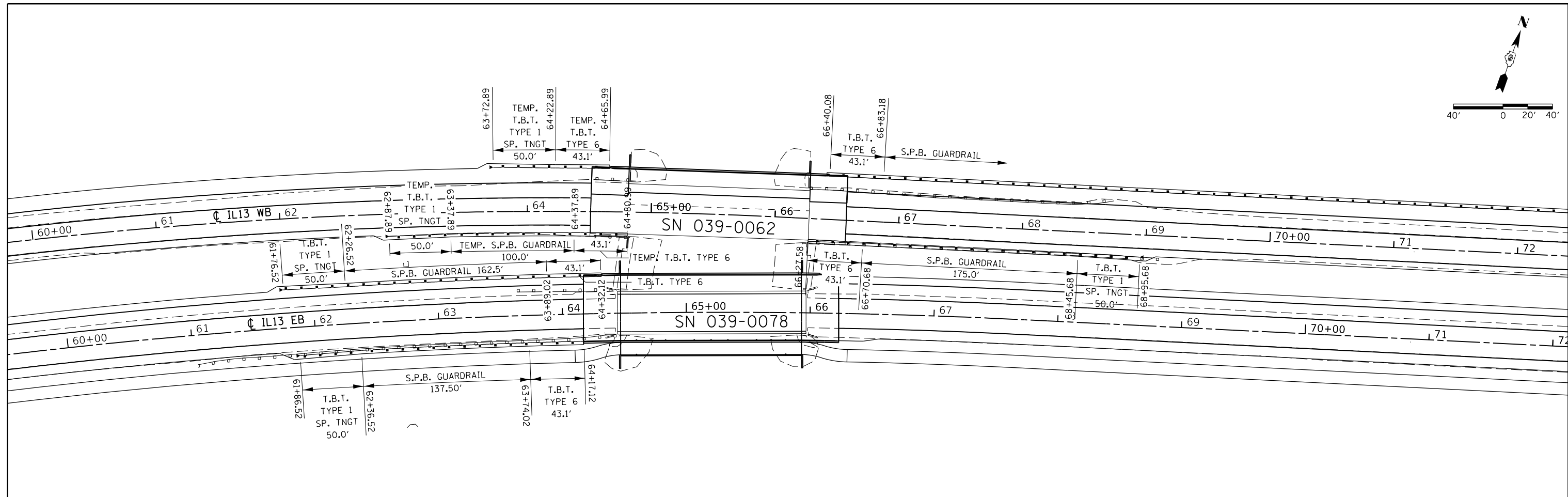
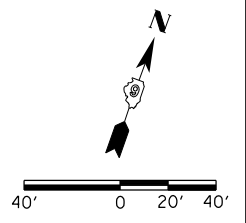
	SEEDING, CLASS 1B		TEMPORARY DITCH CHECKS
	SEEDING, CLASS 1B (STAGE 3)		INLET AND PIPE PROTECTION
	PERIMETER EROSION BARRIER		

FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/23/2018	DATE -	REVISED -

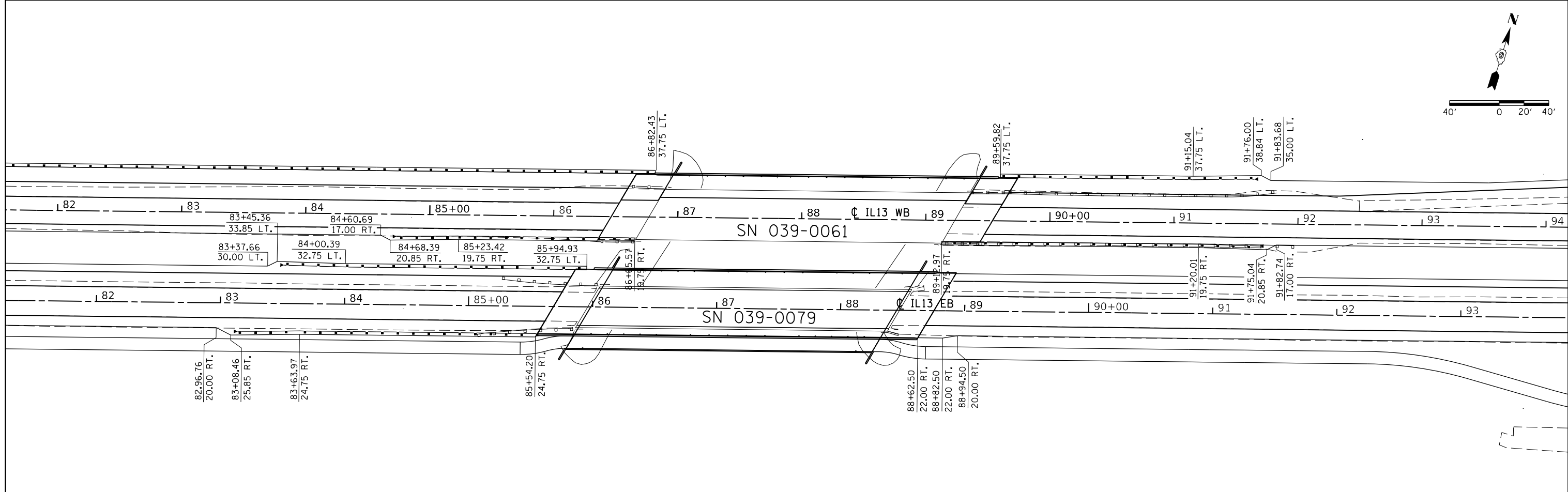
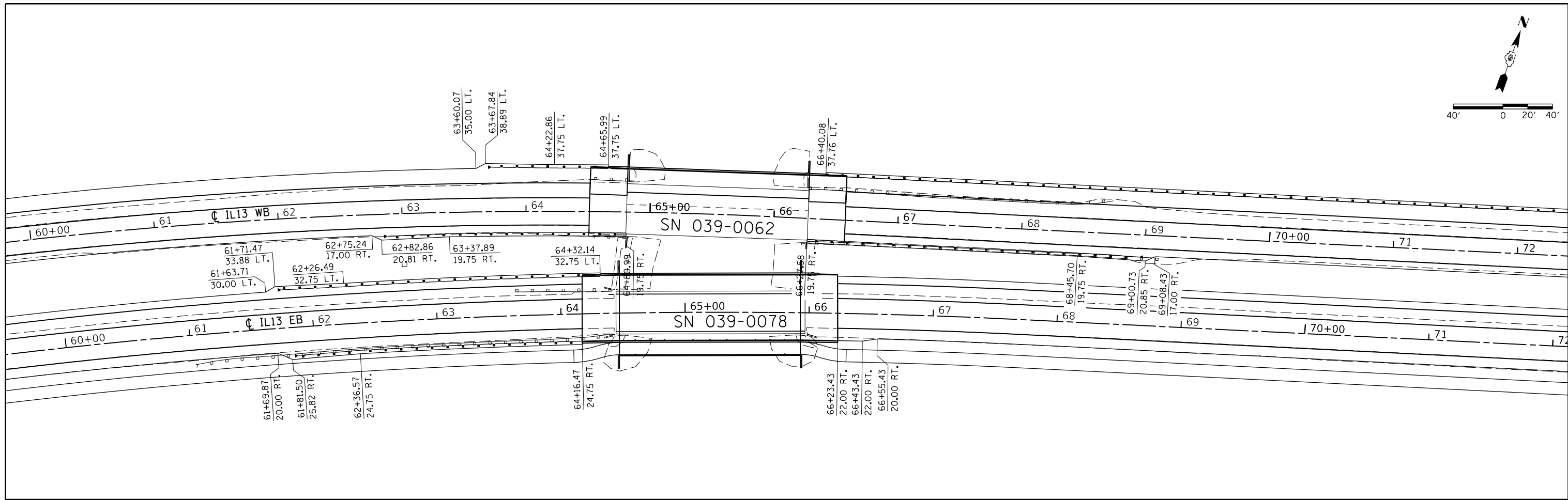
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL SHEET (STAGE 3)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	76
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				



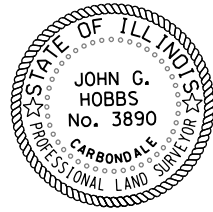
FILE NAME : p:\IL\084EBID\INTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 9\Projects\13.4\Drawings\13.4-1-13-Guardrail.dgn PLOT SCALE = 80.0000' / in. Default	USER NAME = noasp DESIGNED - DRAWN - PLOT DATE = 3/23/2018	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL LAYOUT			F.A.P. R.T.E. 331 SECTION (5-3)R-1,N-1,B-5,BR-1,B-6,BR-2 COUNTY JACKSON CONTRACT NO. 78295
	CHECKED - DATE -	REVISIO - REVISIO - REVISIO -		SCALE:	SHEET OF SHEETS STA. TO STA.	TOTAL SHEETS 321 SHEET NO. 77	ILLINOIS FED. AID PROJECT



FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOT-MIX ASPHALT SHOULDER AT GUARDRAIL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 9\Projects\13.01\Drawings\New\78295-New\CADData\CADsheets\REVISED\Hot-Guardrail.dgn	PLOT SCALE = 80.0000' / in.	CHECKED -	REVISED -			331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	78
Default	PLOT DATE = 3/23/2018	DATE -	REVISED -			CONTRACT NO. 78295		ILLINOIS FED. AID PROJECT		

SCALE: SHEET OF SHEETS STA. TO STA.

PT#	NORTHING	EASTING
JH22	391125.52	738580.47
JH25	391259.54	738740.93
JH26	391499.59	739310.62
JH27	391471.12	739320.06
JH28	391504.18	739424.58
JH53	391237.33	738752.42
JH54	391138.46	738572.90



JOHN G. HOBBS
ILLINOIS PROFESSIONAL LAND SURVEYOR

Current license expires 11/2018.

This professional service conforms to the current Illinois minimum standards for a boundary survey.

SE QUARTER NW QUARTER

SECTION 14

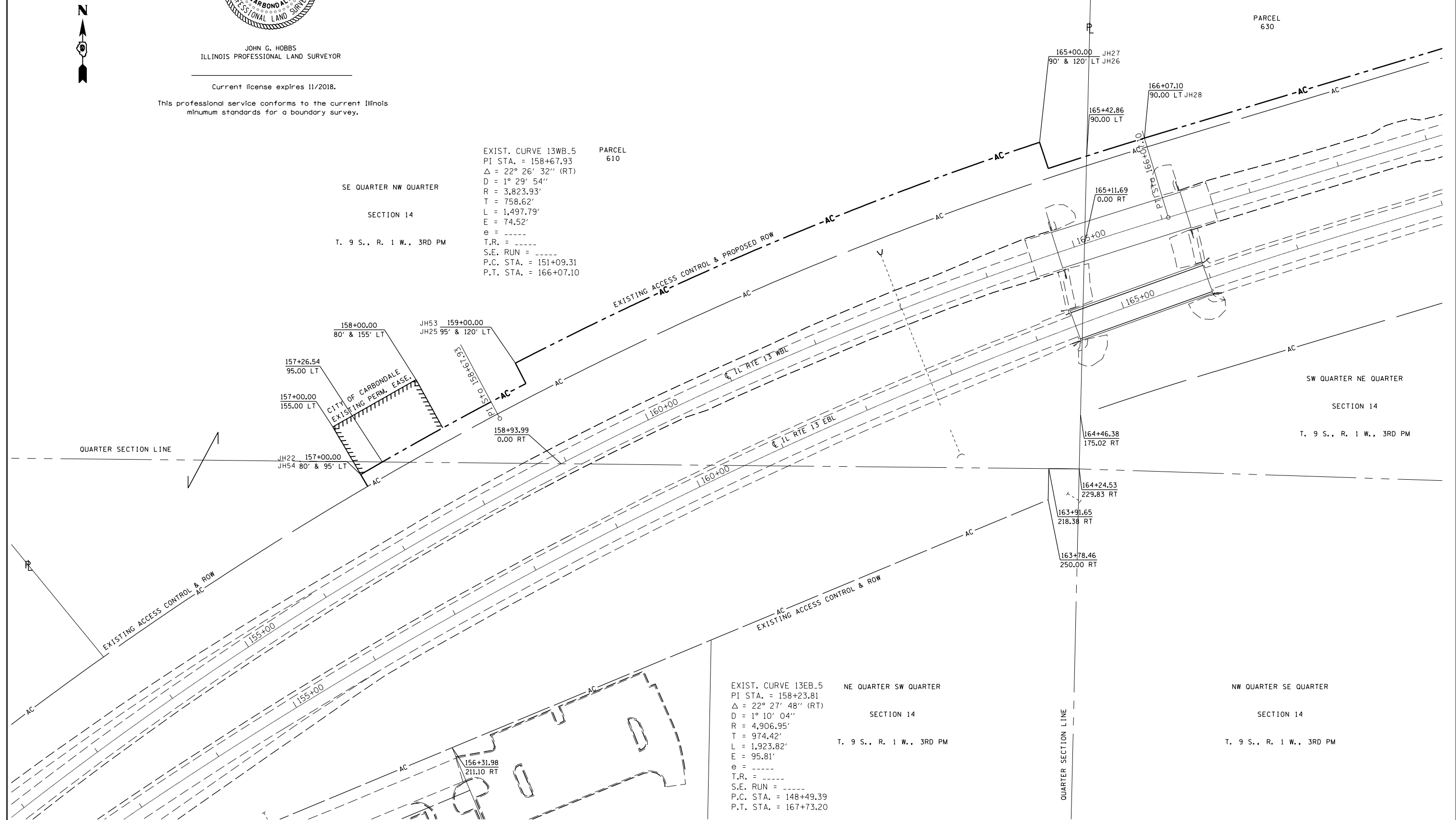
T. 9 S., R. 1 W., 3RD PM

EXIST. CURVE 13WB.5
PI STA. = 158+67.93
 $\Delta = 22^\circ 26' 32''$ (RT)
D = 1° 29' 54"
R = 3,823.93'
T = 758.62'
L = 1,497.79'
E = 74.52'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 151+09.31
P.T. STA. = 166+07.10

PARCEL 610

PARCEL#	PROPERTY OWNER	R. O. W. (ACRES)	T. E. (ACRES)	P. E. (ACRES)
610	JOHN W. RENDLEMAN	0.646±		

PARCEL 630



EXIST. CURVE 13EB.5
PI STA. = 158+23.81
 $\Delta = 22^\circ 27' 48''$ (RT)
D = 1° 10' 04"
R = 4,906.95'
T = 974.42'
L = 1,923.82'
E = 95.81'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 148+49.39
P.T. STA. = 167+73.20

NE QUARTER SW QUARTER
SECTION 14
T. 9 S., R. 1 W., 3RD PM

NW QUARTER SE QUARTER
SECTION 14
T. 9 S., R. 1 W., 3RD PM

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Default	PLOT DATE = 3/23/2018	DATE -	REVISED -

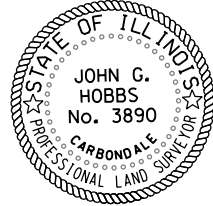
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY SHEET
GIANT CITY TO REED STATION

SCALE: 1" = 100' SHEET 1 OF 3 SHEETS STA. 155+00.00 TO STA. 170+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-31R-1, N-1, B-5, BR-1, B-6, BR-2)	JACKSON	321	79
CONTRACT NO.			78295	
R-99-005-13 ILLINOIS FED. AID PROJECT				

PT#	NORTHING	EASTING
JH36	391790.32	740375.35
JH57	391795.11	740373.91



JOHN G. HOBBS
ILLINOIS PROFESSIONAL LAND SURVEYOR

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This professional service conforms to the current Illinois minimum standards for a boundary survey.



SW QUARTER NE QUARTER

SECTION 14

T. 9 S., R. 1 W., 3RD PM

PARCEL
630

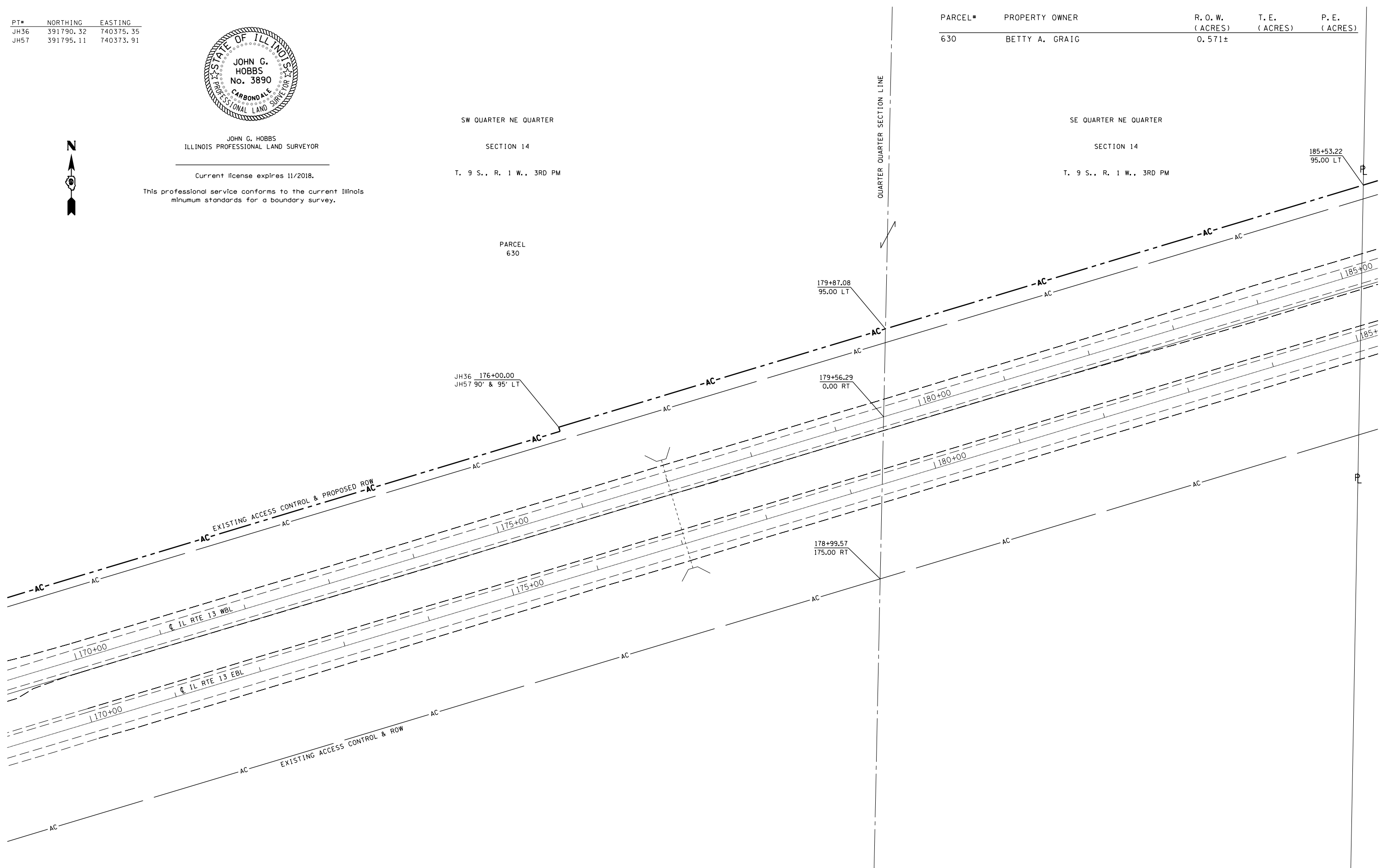
PARCEL#	PROPERTY OWNER	R. O. W. (ACRES)	T. E. (ACRES)	P. E. (ACRES)
630	BETTY A. GRAIG	0.571±		

SE QUARTER NE QUARTER

SECTION 14

T. 9 S., R. 1 W., 3RD PM

185+53.22
95.00 LT



FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -
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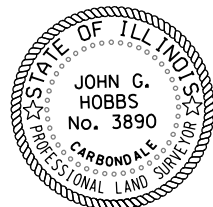
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY SHEET
GIANT CITY TO REED STATION

SCALE: 1" = 100' SHEET 2 OF 3 SHEETS STA. 170+00.00 TO STA. 185+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1, N-1, B-5, BR-1, B-6, BR-2	JACKSON	321	80
CONTRACT NO. 78295				
R-99-005-13 ILLINOIS FED. AID PROJECT				

PT#	NORTHING	EASTING
JH11	392193.80	741715.95
JH41	392198.58	741714.51
JH45	392069.83	741286.69



JOHN G. HOBBS
ILLINOIS PROFESSIONAL LAND SURVEYOR

Current license expires 11/2018.

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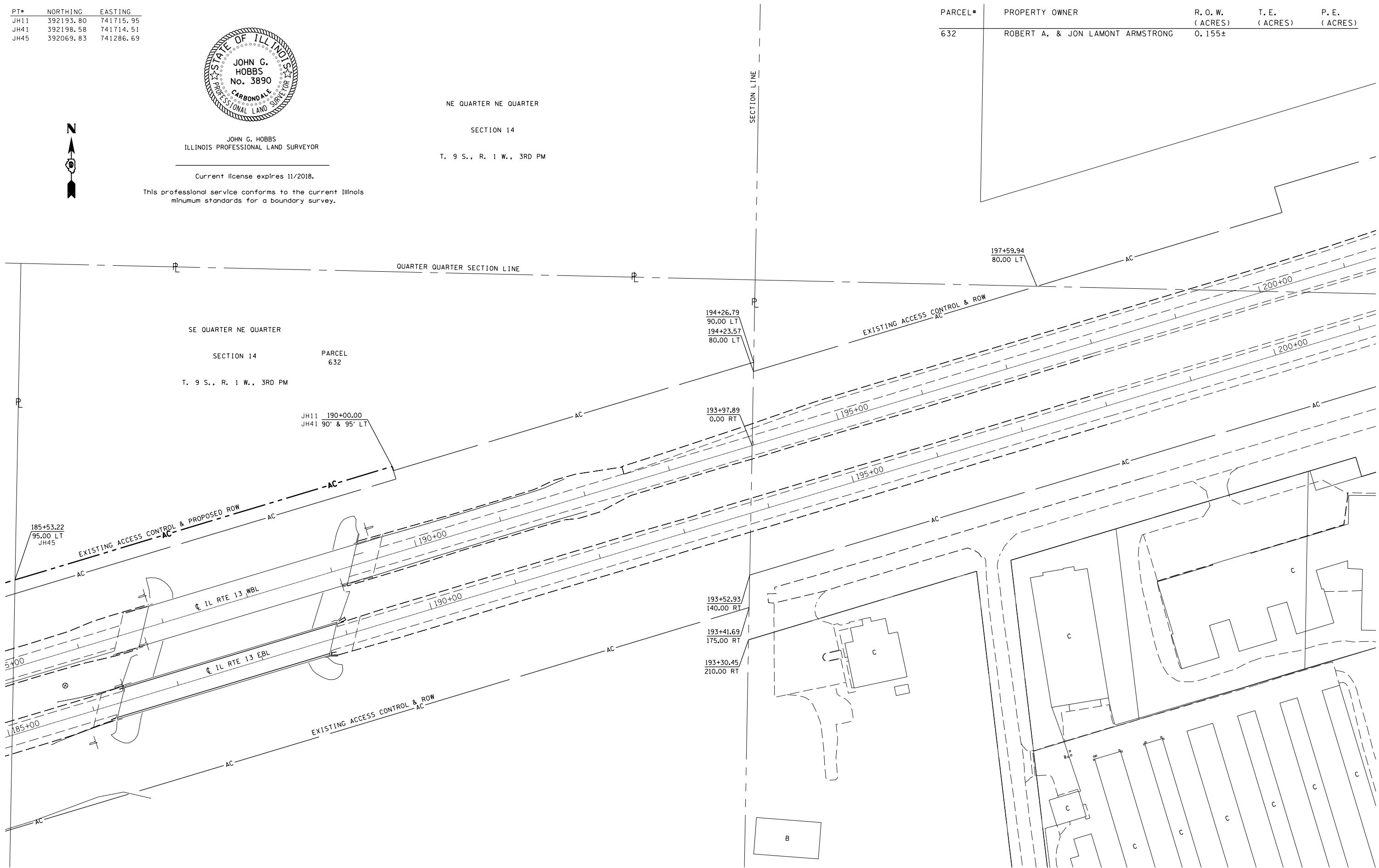


NE QUARTER NE QUARTER

SECTION 14

T. 9 S., R. 1 W., 3RD PM

PARCEL#	PROPERTY OWNER	R. O. W. (ACRES)	T. E. (ACRES)	P. E. (ACRES)
632	ROBERT A. & JON LAMONT ARMSTRONG	0.155±		



FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/23/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY SHEET
GIANT CITY TO REED STATION

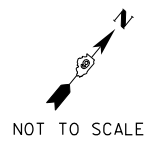
SCALE: 1" = 100' SHEET 3 OF 3 SHEETS STA. 185+00.00 TO STA. 195+00.00

F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1, N-1, B-5, BR-1, B-6, BR-2	JACKSON	321	81
R-99-005-13 ILLINOIS FED. AID PROJECT			CONTRACT NO. 78295	

98

GIANT CITY ROAD

NOTE: SEE PAVEMENT MARKING SCHEDULE FOR STATION AND OFFSETS FOR ALL STOP BARS / CROSSWALKS.
SEE RAMP DETAIL SHEETS FOR STATIONS, OFFSETS, AND ELEVATIONS OF RAMPS.



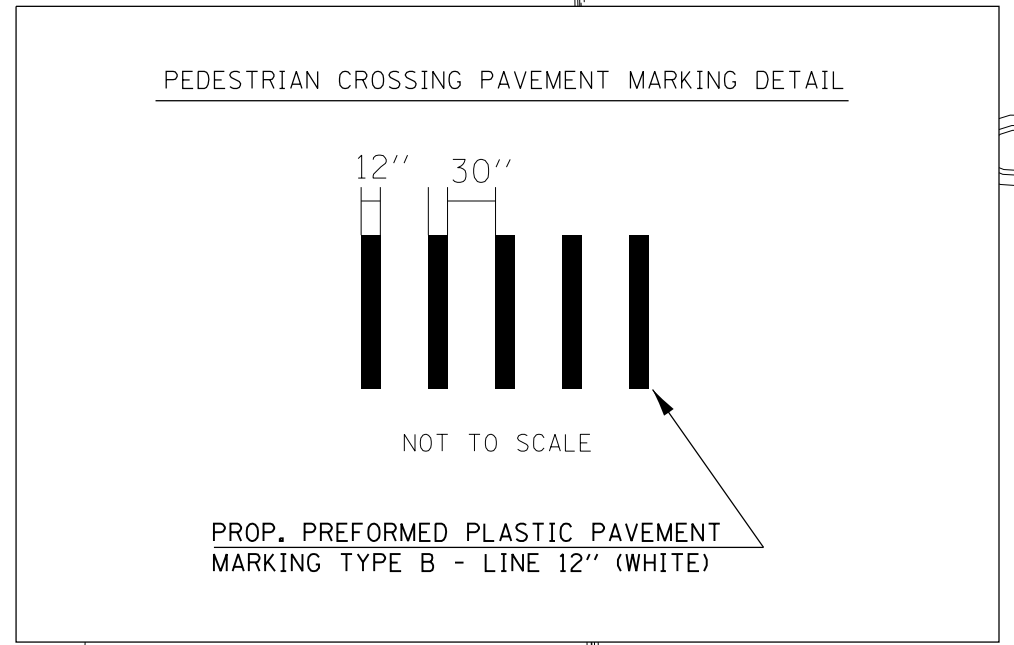
REMOVE EXISTING STOP BAR

MODIFIED URETHANE PAVEMENT MARKING LINE 24" (SOLID WHITE)

MODIFIED URETHANE PAVEMENT MARKING LINE 12" (SOLID WHITE)

MODIFIED URETHANE PAVEMENT MARKING LINE 12" (SOLID WHITE)

E. MAIN FRONTAGE RD. SOUTH



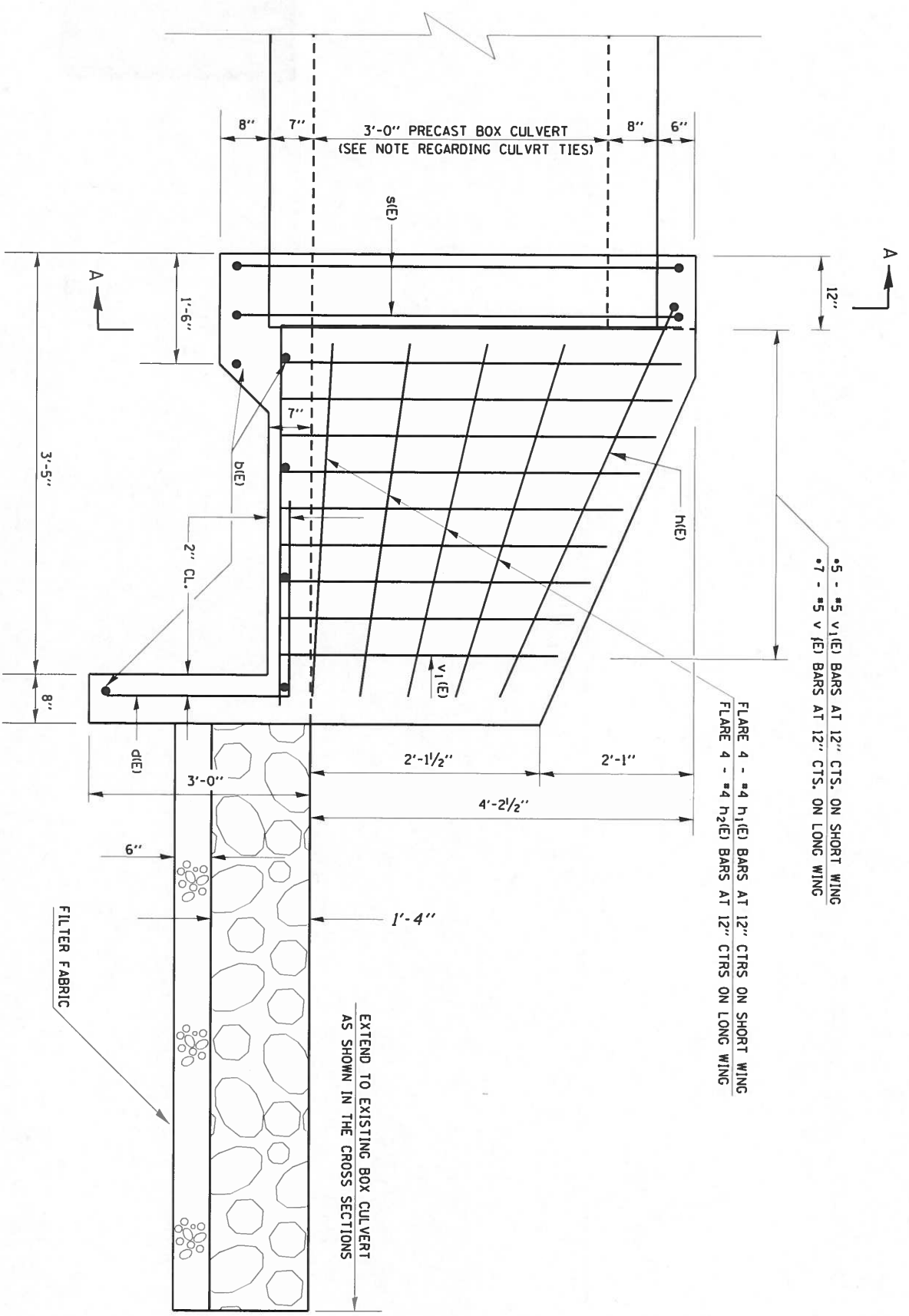
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		DATE -	REVISED -
Default	PLOT DATE = 3/23/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

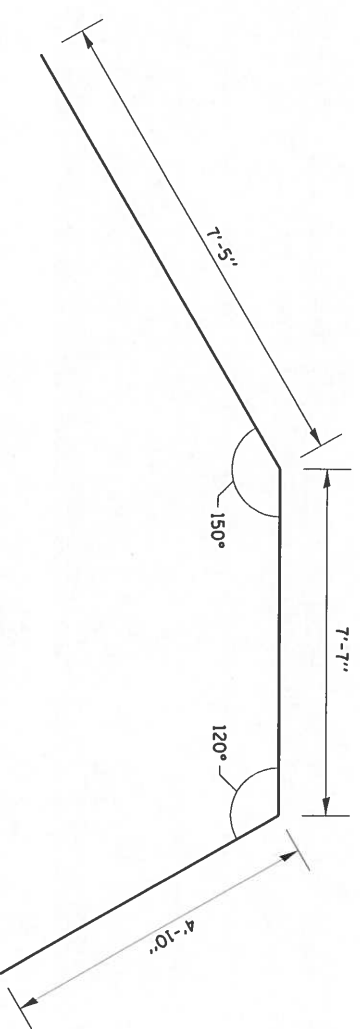
PAVEMENT MARKING DETAIL
GIANT CITY RD / E. MAIN FRONTAGE RD. SOUTH

SCALE: SHEET OF SHEETS STA. TO STA.

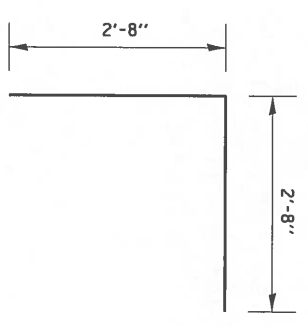
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	82
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				



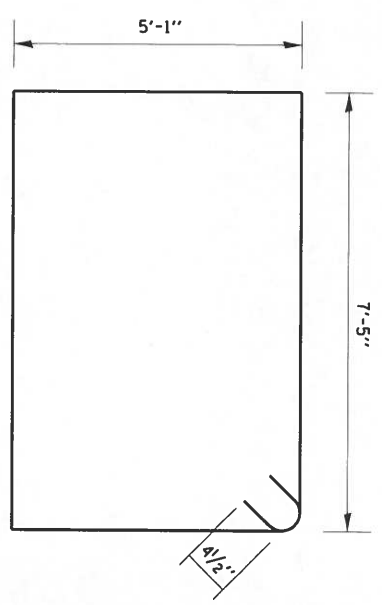
HALF SIDE ELEVATION



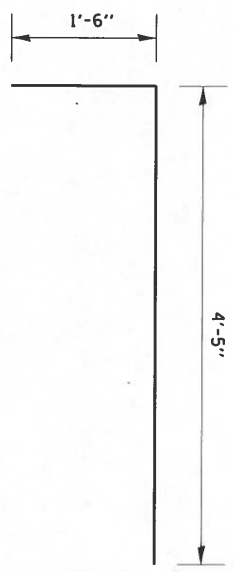
BAR h(E)



BAR d(E)



BAR s(E)



BAR v1(E)

BILL OF MATERIAL

BAR NO.	SIZE	LENGTH	SHAPE
b1(E)	#4	15'-0"	—
d1(E)	#4	5'-4"	—
h1(E)	#4	19'-10"	—
h1(E)	#4	4'-6"	—
h2(E)	#4	7'-3"	—
s1(E)	#4	25'-9"	□
v1(E)	#5	5'-11"	—
CONCRETE BOX CULVERTS			CU. YD. 3.6
REINFORCEMENT BARS, EPOXY COATED			POUND 260

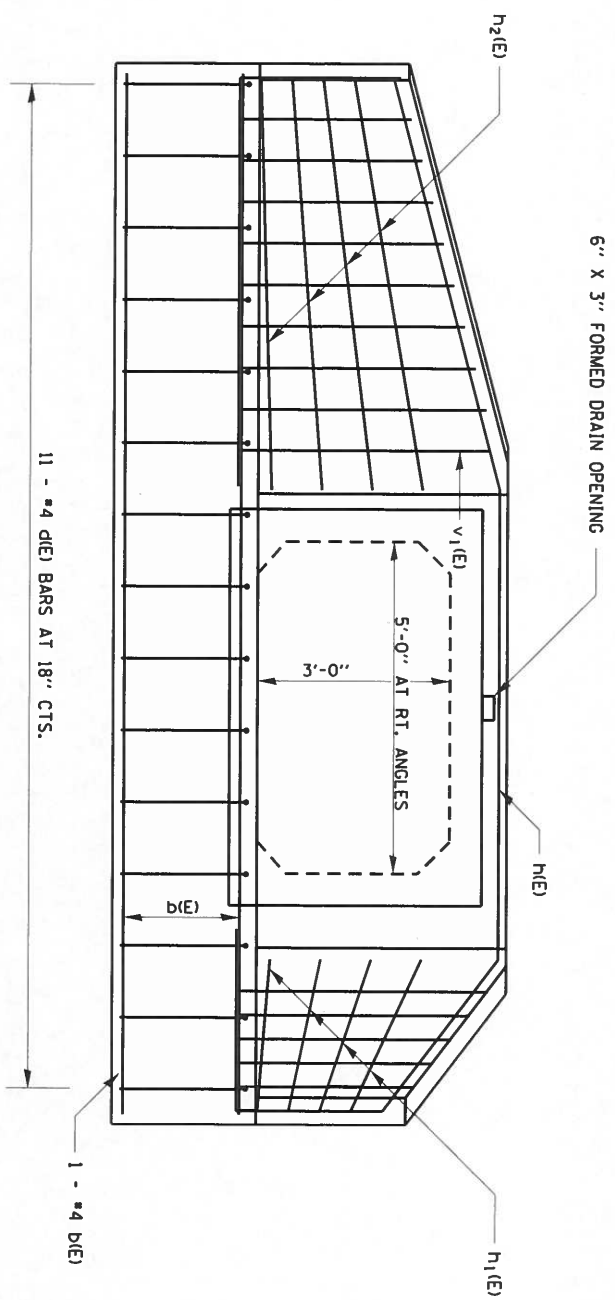
REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
 * CUT OR BEND TO FIT
 REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 706.
 EXPOSED EDGES SHALL BE BEVELED 3/4"

NOTE: FURNISHING AND INSTALLING CULVERT TIES WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF PRECAST CONCRETE BOX CULVERTS 5X3.
 SEE SHEET 87-88 OF 321 FOR CULVERT TIE DETAILS.
 SEE SHEET 84 OF 321 FOR SECTION A-A.

DESIGN STRESSES
 $f_y = 60,000$ PSI
 $f'_c = 3,500$ PSI

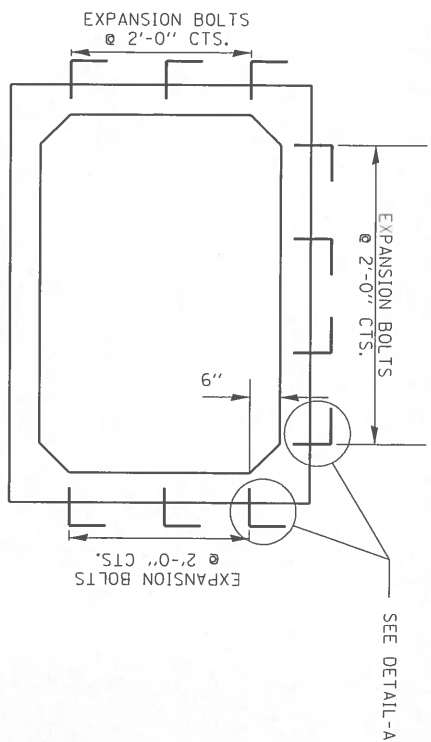
CAST-IN-PLACE APRON END SECTION DETAILS

FILE NAME =	USER NAME =	DESIGNED	REVISED
PROJECT NO. =	PROJECT NAME =	CHECKED	REVISED
DATE	DATE	DATE	DATE
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
SCALE:	SHEET	OF	SHEETS
CAST-IN-PLACE APRON END SECTION DETAILS	(5 X 3)		
TO STA.			
F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEET NO.
331	(5-3R-1A-1B-5-RR-1B-6-RR-2	JACKSON	321
		CONTRACT NO.	83
		ILLINOIS T.E.D. AND PROJECT	
			78295

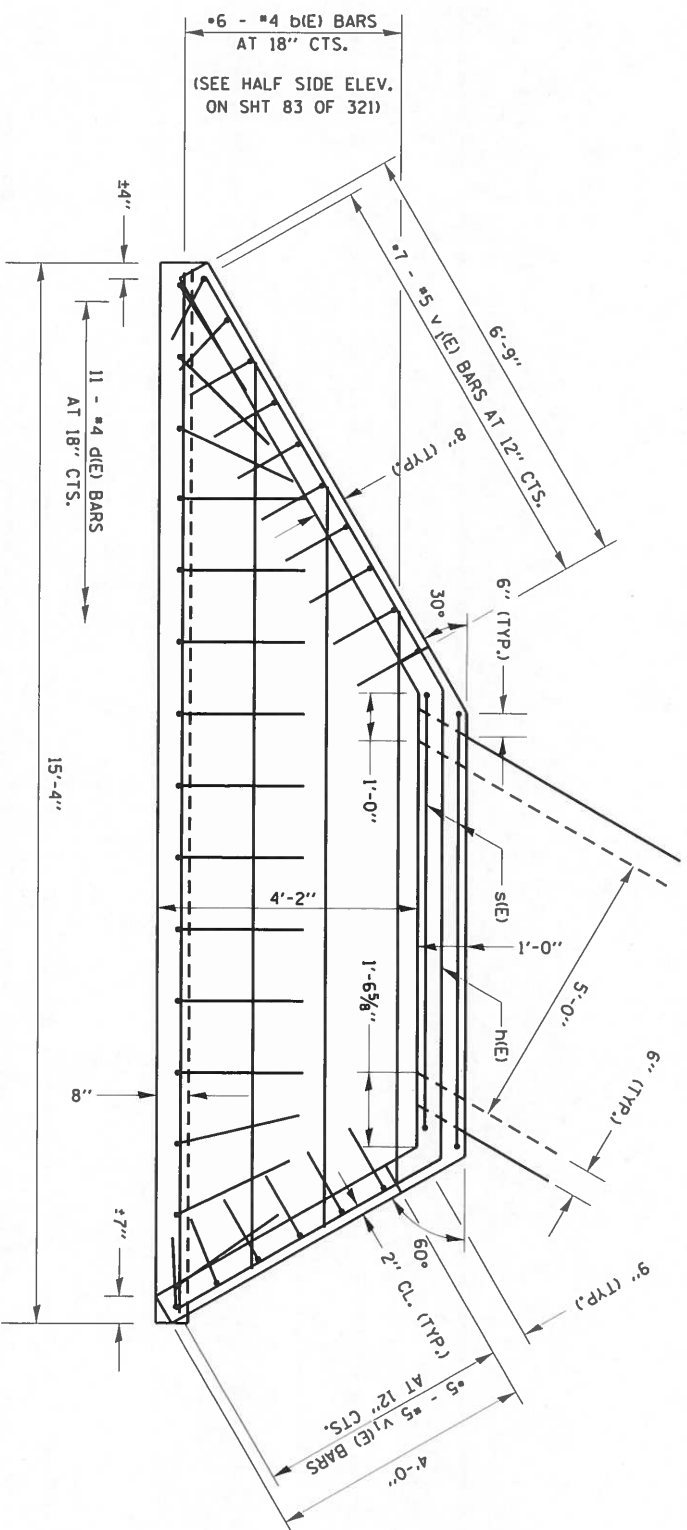


END ELEVATION

CUT OR BEND TO FIT

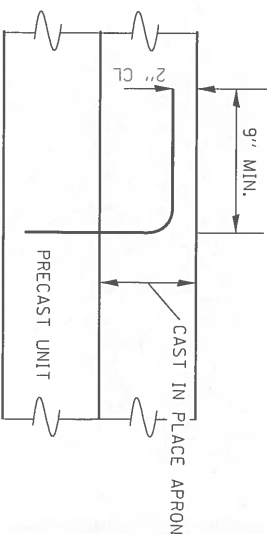


SECTION A-A



PLAN

DETAIL-A



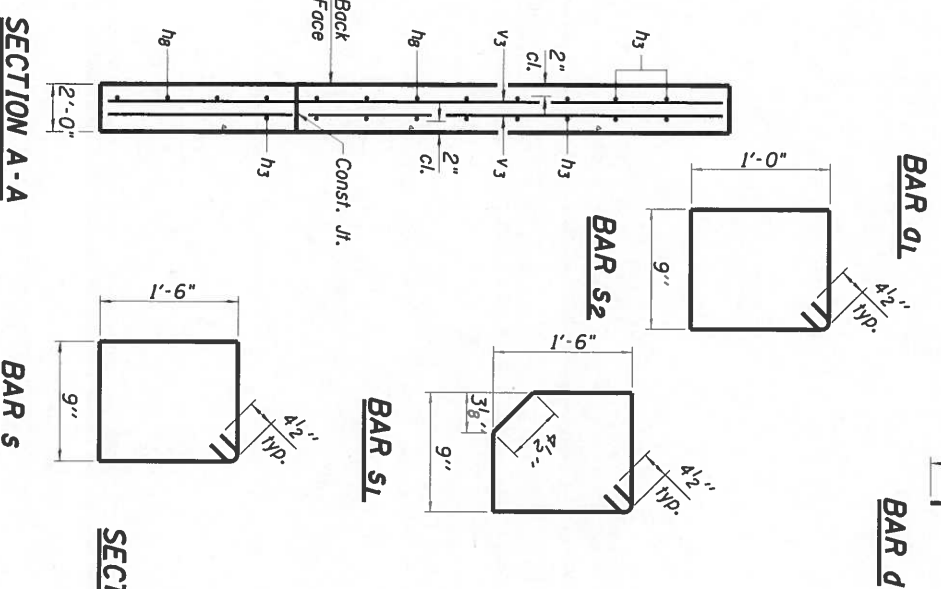
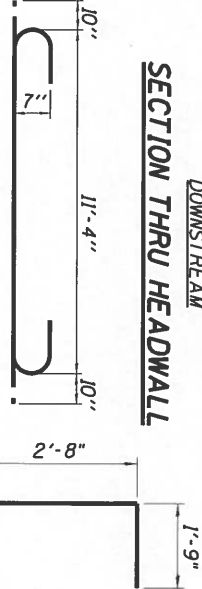
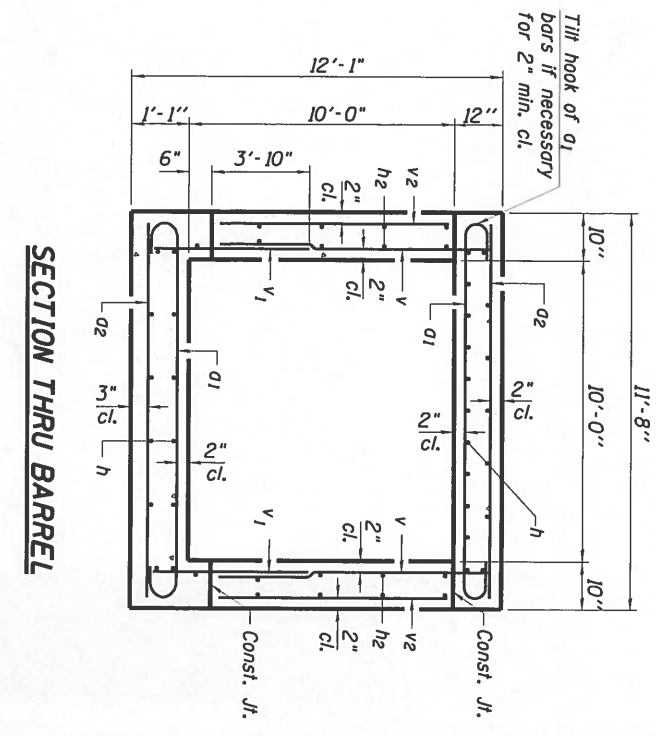
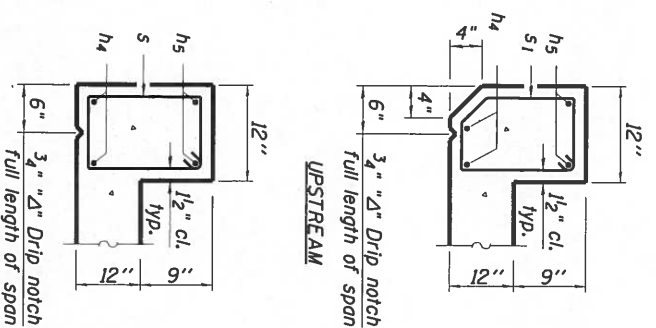
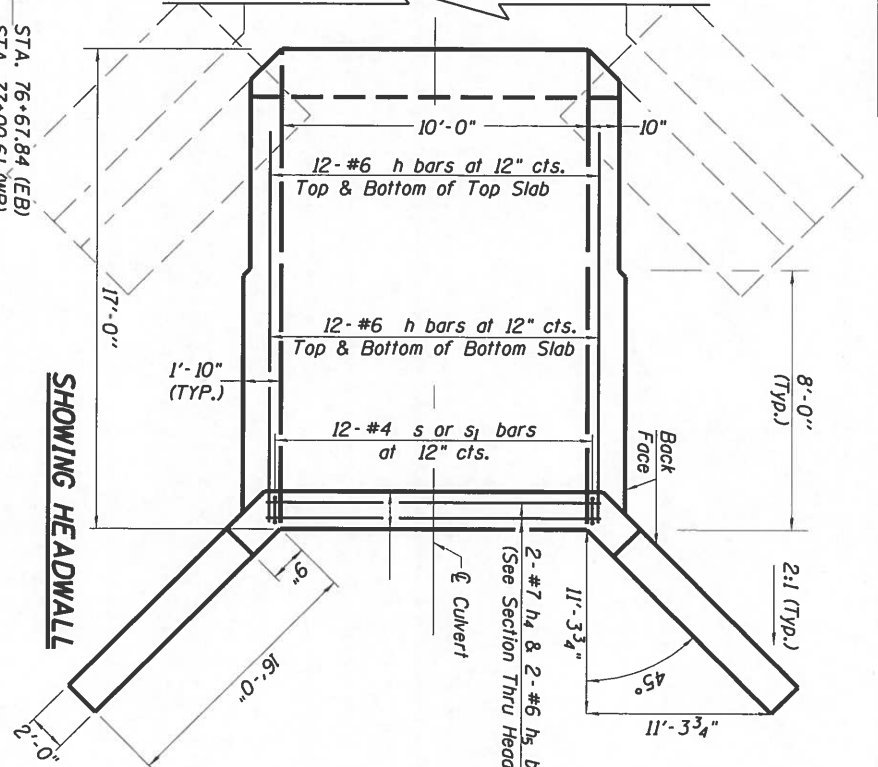
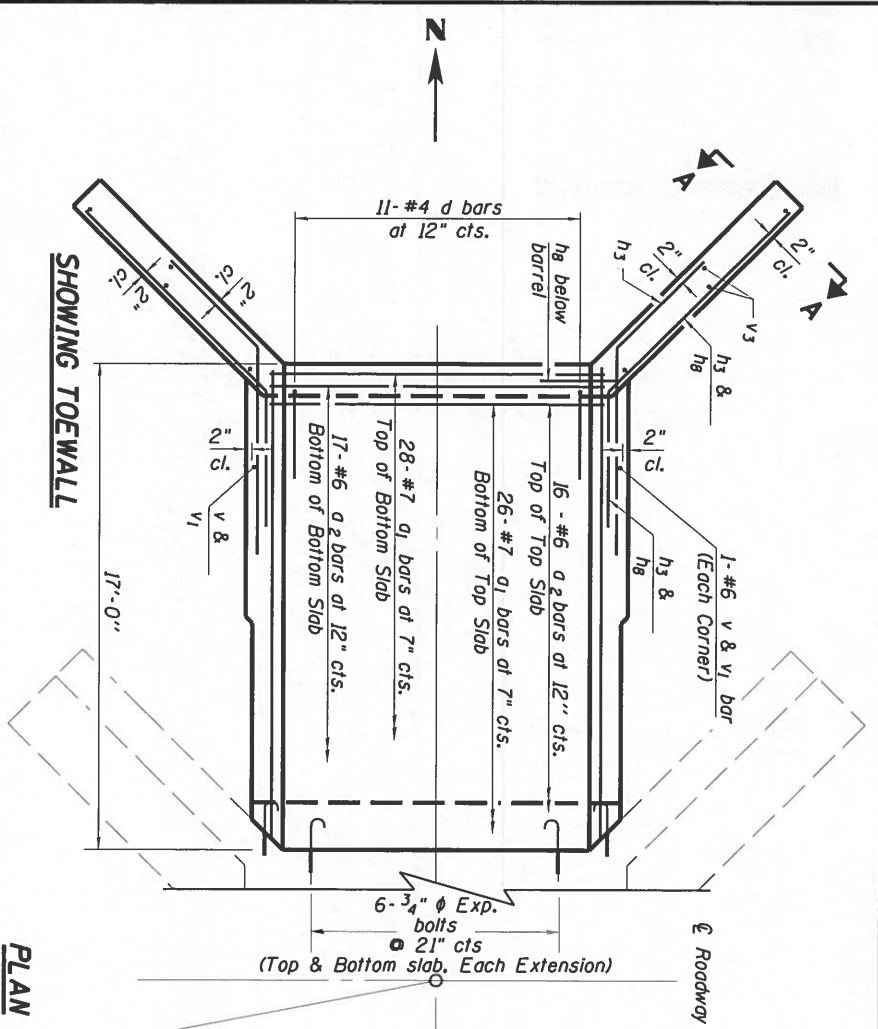
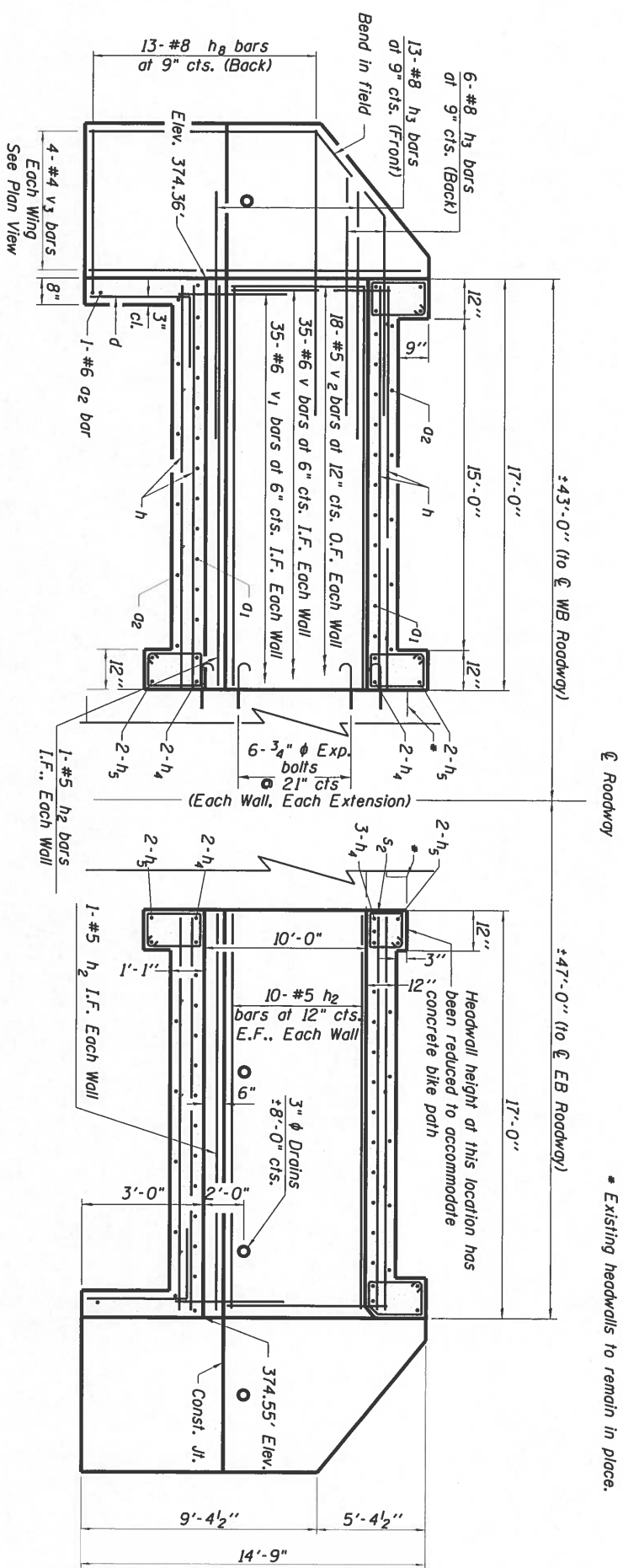
NOTE:

A PRECAST APRON END SECTION THAT MATCHES THE CAST IN PLACE CONFIGURATION WILL BE ALLOWED AT NO ADDITIONAL COST TO THE CONTRACT.

THE CAST-IN-PLACE APRON END SECTION SHALL BE TIED TO THE PRECAST BARREL AT EACH END USING EXPANSION BOLTS SPACED AT 2' CENTERS AS SHOWN IN SECTION A-A. EXPANSION BOLTS SHALL BE 3/4\"/>

FILE NAME =	USER NAME = rnaasp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CAST-IN-PLACE APRON END SECTION DETAILS (5 X 3)	SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	F&P	SECTION	COUNTY	TOTAL					
PROJECT NO. = 4.0000	PROJECT NAME =	BY =	DATE =									RTE.			SHEETS					NO.
PLLOT SCALE = 4.0000	PROJECT NO. = 78295	DATE =	DATE =									331	(5-3R-1A-1B-5BR-1B-6BR-2	JACKSON	321					84
PLLOT DATE = 5/17/2018	PROJECT NO. = 78295	DATE =	DATE =	ILLINOIS FED. AID PROJECT		CONTRACT NO. 78295														

* Existing headwalls to remain in place.



BILL OF MATERIAL (2 EXTS.)

Bar No.	Size	Length	Shape
Q1	#7	13'-0"	U
Q2	#6	11'-4"	U
D	#4	4'-5"	U
h	#6	16'-8"	U
h2	#5	16'-8"	U
h3	#8	8'-0"	U
h4	#7	11'-4"	U
h5	#6	11'-4"	U
h8	#8	19'-0"	U
s	#4	5'-3"	U
s1	#4	5'-1"	U
s2	#4	4'-3"	U
v	#6	10'-2"	U
v1	#6	5'-2"	U
v2	#5	9'-2"	U
v3	#4	14'-5"	U

Concrete Box Culverts Cu. Yd. 126.4
 Reinforcement Bars, Pound 17130
 Epoxy Coated
 3" ϕ Exp. Bolts Each 48

All Reinforcement Bars shall be Epoxy Coated.

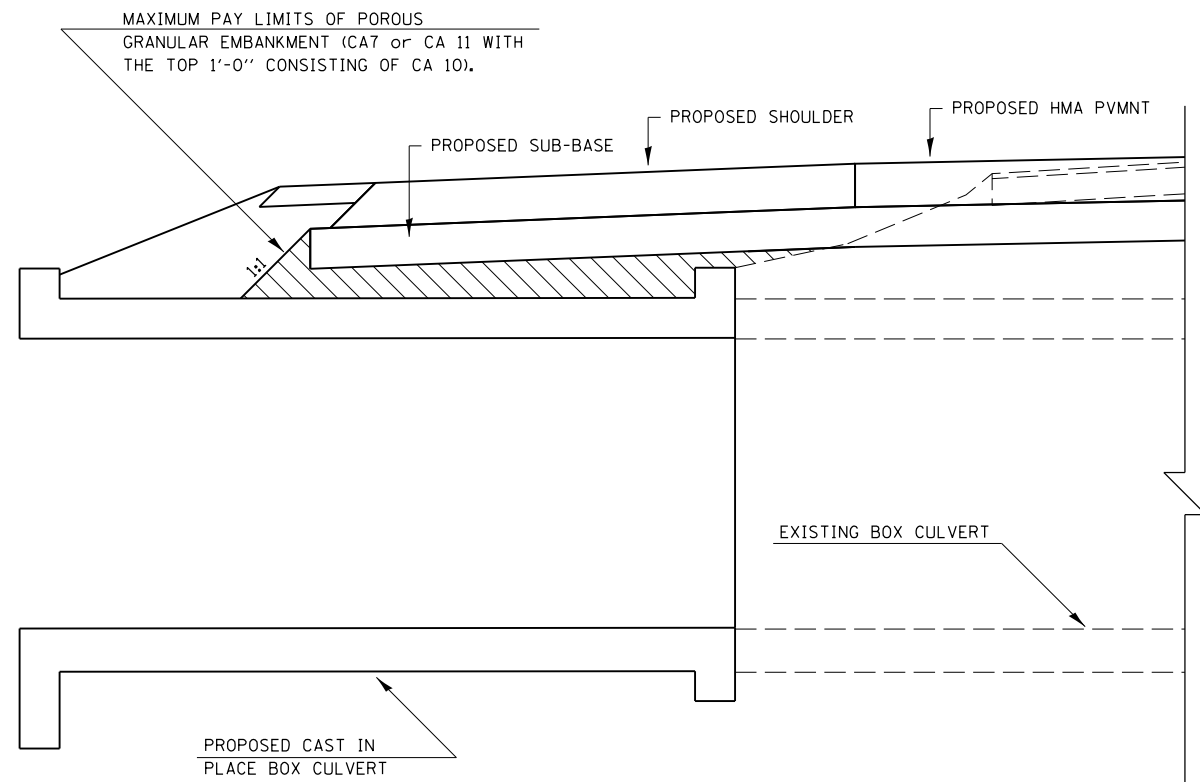
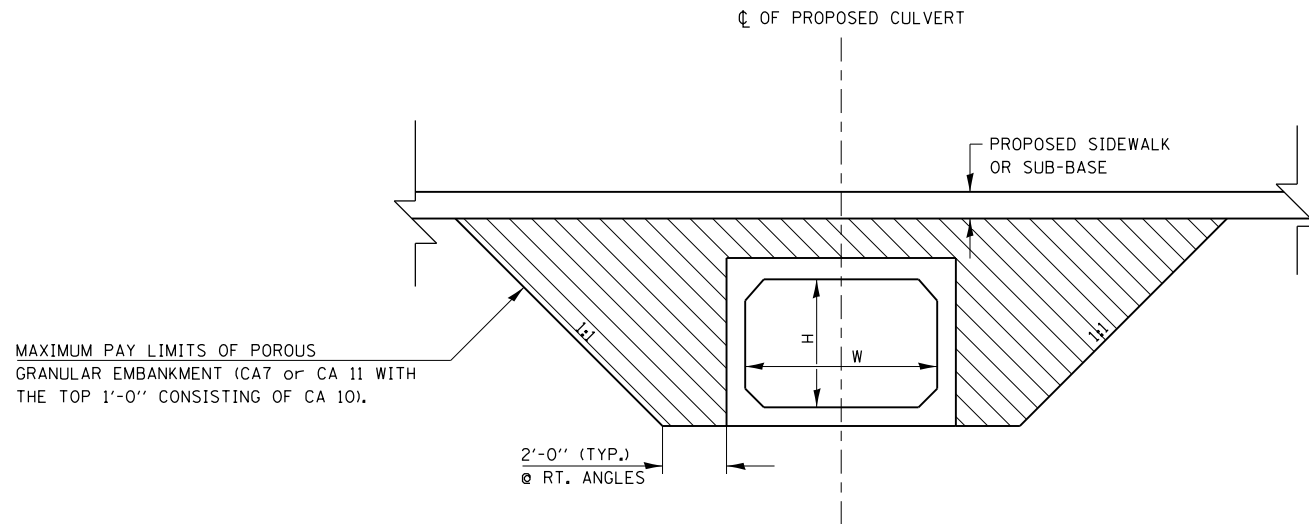
F.A.P. ROUTE 331 (IL. 13)
JACKSON COUNTY
STA. 76+67.84 (EB)
STA. 77+00.61 (WB)
S.N. 039-7105

DESIGN STRESSES
 $f_y = 60,000$ psi
 $f'_c = 3,500$ psi
LOADING HL-93

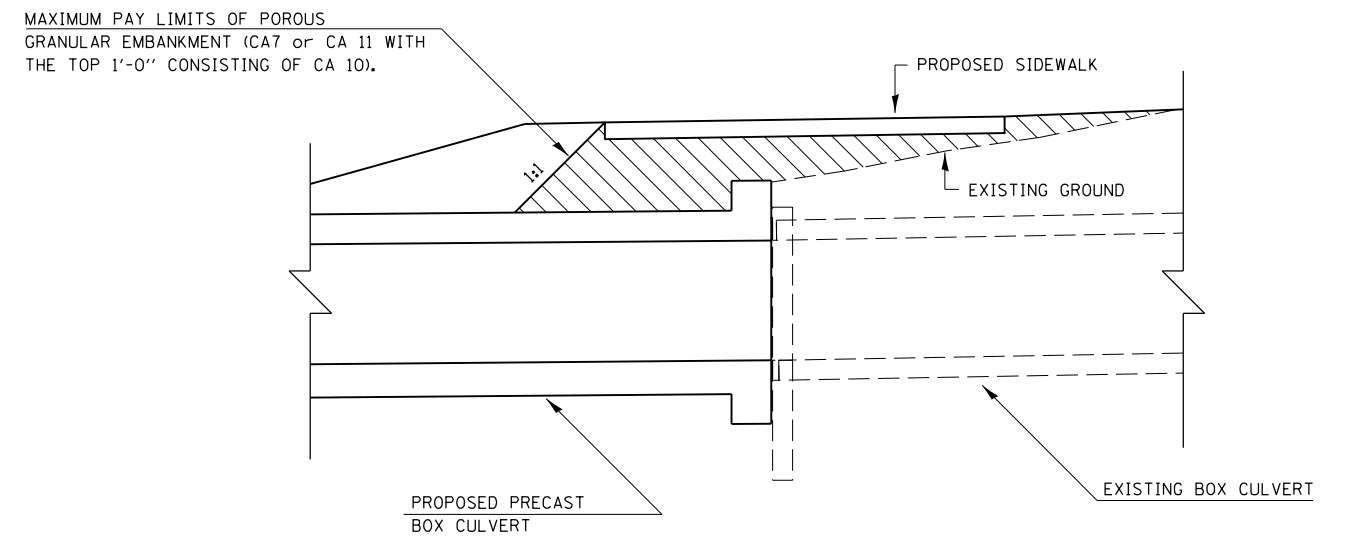
Notes:
 A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 At the Contractor's option, a longer v_1 bar may be ordered to replace the v bar. No reduction in quantities shall be made for this substitution.
 Precast option is not allowed.

FILE NAME: ...
 USER NAME: ...
 DESIGNED: ...
 CHECKED: ...
 DATE: ...
 REVISED: ...
 REVISED: ...
 REVISED: ...
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 SCALE: ...
 SHEET ... OF ... SHEETS
 STA. ... TO STA. ...
 CULVERT DETAILS
 STRUCTURE NO. 039-7105
 E.A.P. RITE SECTION COUNTY TOTAL SHEET
 331 (5-3R-1A-1B-5BR-1B-6BR-2 JACKSON 321
 CONTRACT NO. 78295 ILLINOIS FED. AID PROJECT)

LIMITS OF POROUS GRANULAR EMBANKMENT AT BOX CULVERTS



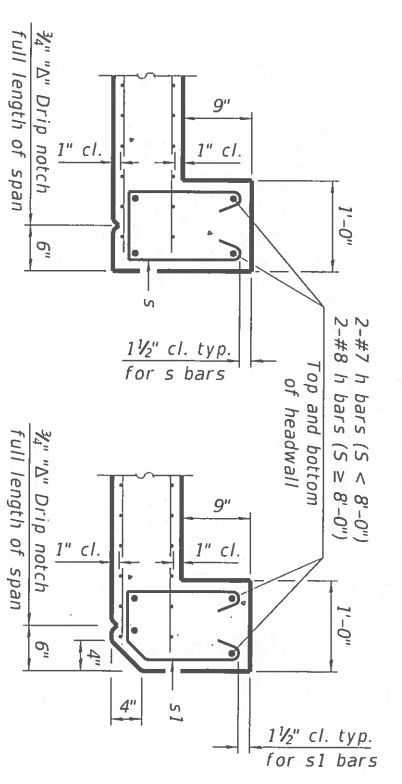
**SECTION WITH LANE ADDITION
(10x10 BOX CULVERT, IL13WB)**



**SECTION WITH MULTI-USE PATH
(4X3 & 5X3 BOX CULVERTS, IL13EB)**

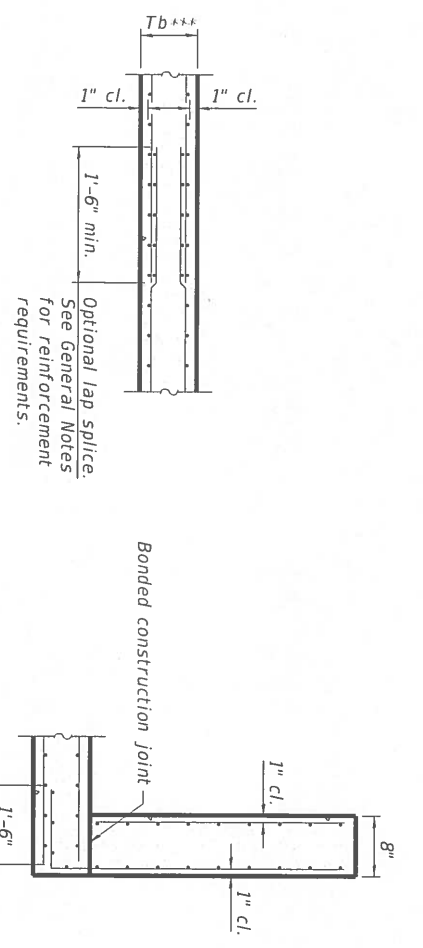


FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIMITS OF POROUS GRANULAR EMBANKMENT AT BOX CULVERTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\13...DRAWN=78295-New\CADData\CADsheets\REVISED-sh-b-details.dgn	PLOT SCALE = 4.8000' / in.	CHECKED -	REVISED -			331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	86
Default	PLOT DATE = 3/23/2018	DATE -	REVISED -			CONTRACT NO. 78295		ILLINOIS FED. AID PROJECT		



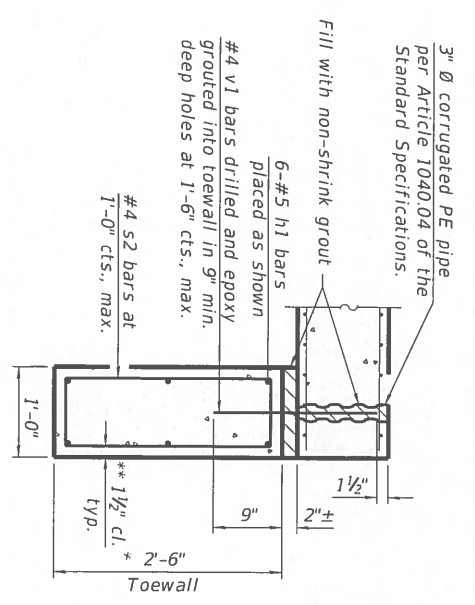
SECTION B-B
(Top slab at downstream end)

SECTION B-B
(Top slab at upstream end)



SECTION B-B
(Bottom Slab)

SECTION C-C

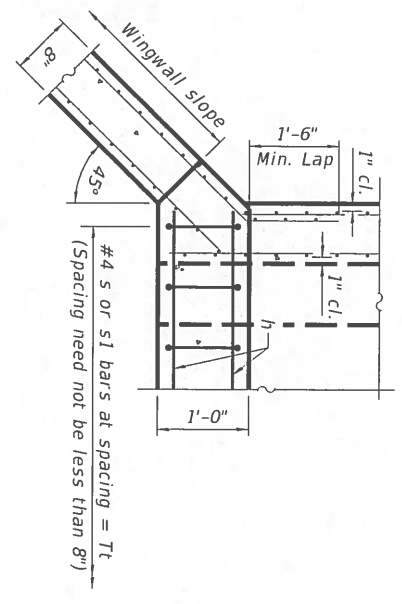


SECTION D-D

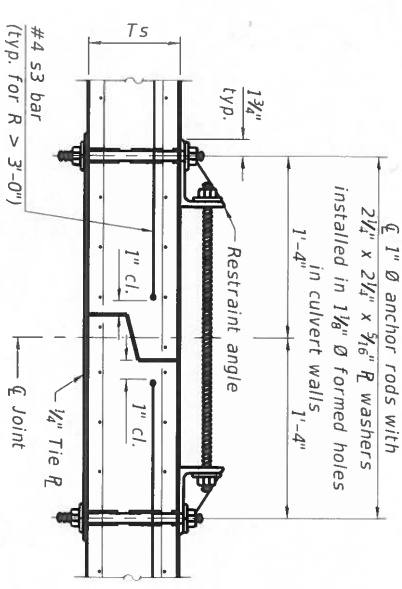
*** This dimension shall be increased by 2" for CIP construction.

TOEWALL CONSTRUCTION SEQUENCE

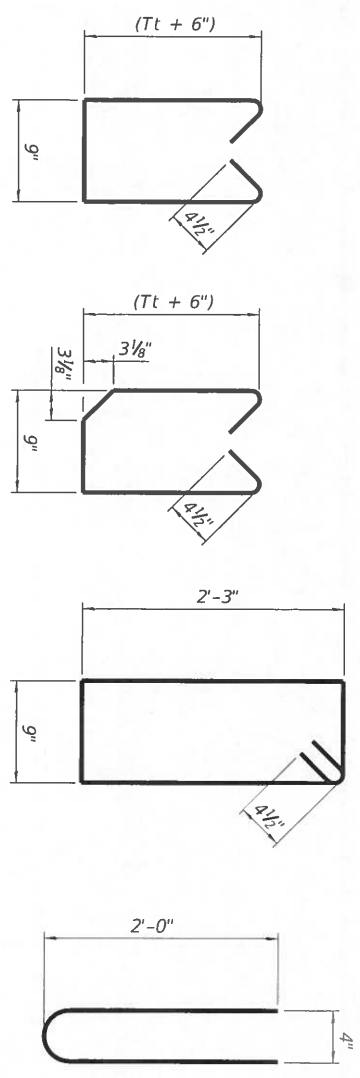
1. Perform excavation and construct toewall.
2. Backfill accordingly and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids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



SECTION E-E

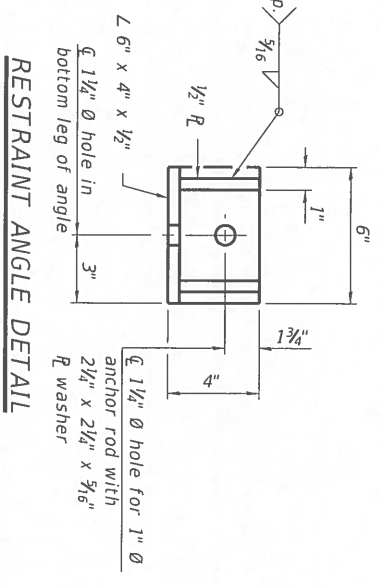


SECTION F-F
(Showing culvert tie details)

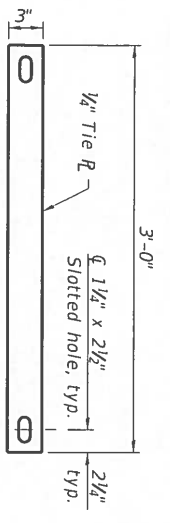


SCB-AES

2-17-2017



RESTRAINT ANGLE DETAIL



TIE PLATE DETAIL

Notes:

1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for the tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/2" x 2 1/2" x 3/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

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

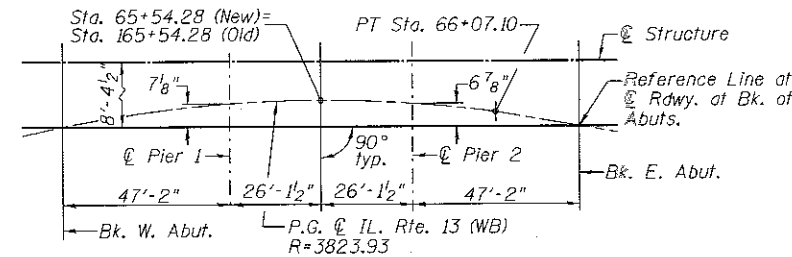
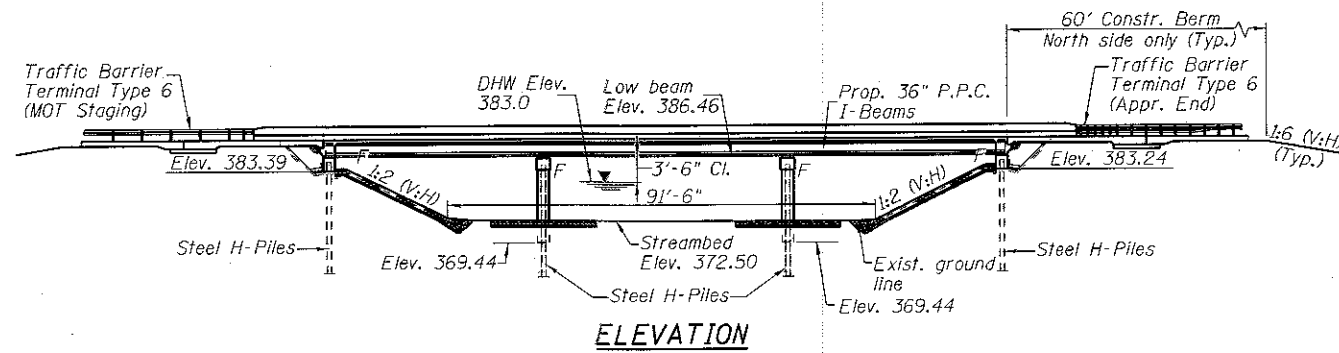
(Sheet 2 of 2)

FILE NAME =	USER NAME =	DESIGNED =	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
\\L094E0101\TEC\Callings\proj\1007\Drawings\1007\Office\District\Projects\13\GRAND-11-18-58R-1A-6-8R-2	naasdp	GRAND-11-18-58R-1A-6-8R-2	naasdp											
PLT SCALE = 20/2000	PLT DATE = 5/17/2018	CHECKED =	REVISOR =	DEPARTMENT OF TRANSPORTATION	SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	331	15-3R-1A-1B-58R-1A-6-8R-2	JACKSON	88
De:aut		DATE	REVISOR	DEPARTMENT OF TRANSPORTATION	SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	331	15-3R-1A-1B-58R-1A-6-8R-2	JACKSON	88

Bench Mark: Cut square on Southwest corner of Structure 039-0062 of Illinois Route 13 WBL @ Sta. 64+81. Elev. 390.24
 Existing Structure: S.N. 039-0062, built in 1995 is a three span P.P.C. I-Beam Bridge. Substructure consists of integral abutments supported on steel piles and solid wall pile bent piers. Bk. to Bk. abutments measures 146'-7" and out-to-out width of 43'-11".
 Salvage: Existing bridge to remain and shall be widened.
 Traffic Maintenance: Maintain traffic 2 - 11'-0" lanes during widening.

INDEX OF SHEETS

SHEET NO.	TITLE
1.	General Plan
2.	General Data
3.	Stage Construction Details
4.	Temporary Concrete Barrier For Stage Construction
5.	Deck Elevations - 1
6.	Deck Elevations - 2
7.	Approach Slab Elevations
8.	Superstructure
9.	Superstructure Details
10.	Integral Abutment Diaphragm Details
11.	Pier Diaphragm Details
12.	Approach Slab Details - 1
13.	Approach Slab Details - 2
14.	Approach Slab Modification Details
15.	Framing Plan and Details
16.	36" PPC I-Beam Span 1 & 3
17.	36" PPC I-Beam Span 2
18.	36" PPC I-Beam Details
19.	West Abutment
20.	East Abutment
21.	Pier 1 Details
22.	Pier 2 Details
23.	HP Pile Details
24.	Bar Splicer Assembly and Mechanical
25.	Boring Logs - 1
26.	Boring Logs - 2



STATION 65+54.28
 RE-BUILT 2011 BY
 STATE OF ILLINOIS
 F.A.P. RT 331 SEC (5-3) BR-1
 LOADING HS20-44
 STRUCTURE NO. 039-0062

DESIGN SPECIFICATIONS
 2002 AASHTO Standard Specifications
 For Highway Construction
 1995 FHWA Seismic Retrofit Manual (500 Year)

LOADING HS 20-44
 Allow 25 psf for future wearing surface

NAME PLATE
 See Std. 515001

DESIGN STRESSES (EXIST. & PROP.)

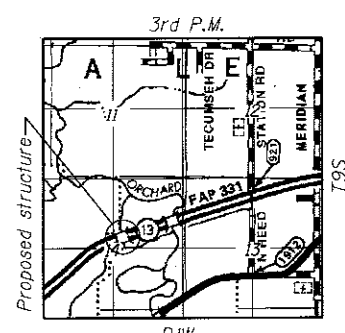
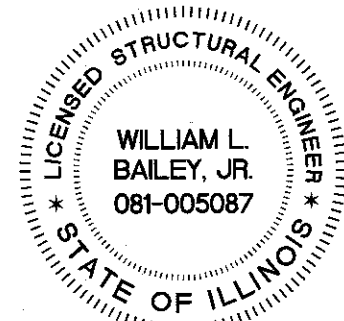
FIELD UNITS	PRECAST PRESTRESSED UNITS
f'c = 3,500 psi (concrete)	f'c = 6,000 psi (concrete)
f'ci = 4,000 psi (Superstr. concrete)	f'ci = 5,000 psi
fy = 60,000 psi (Reinforcement)	fpu = 270,000 psi (1/2" low lax strands)
	fpbt = 201,960 psi (1/2" low lax strands)

APPROVED
 For Structural Adequacy Only
William L. Bailey, Jr.
 Engineer of Bridges & Structures

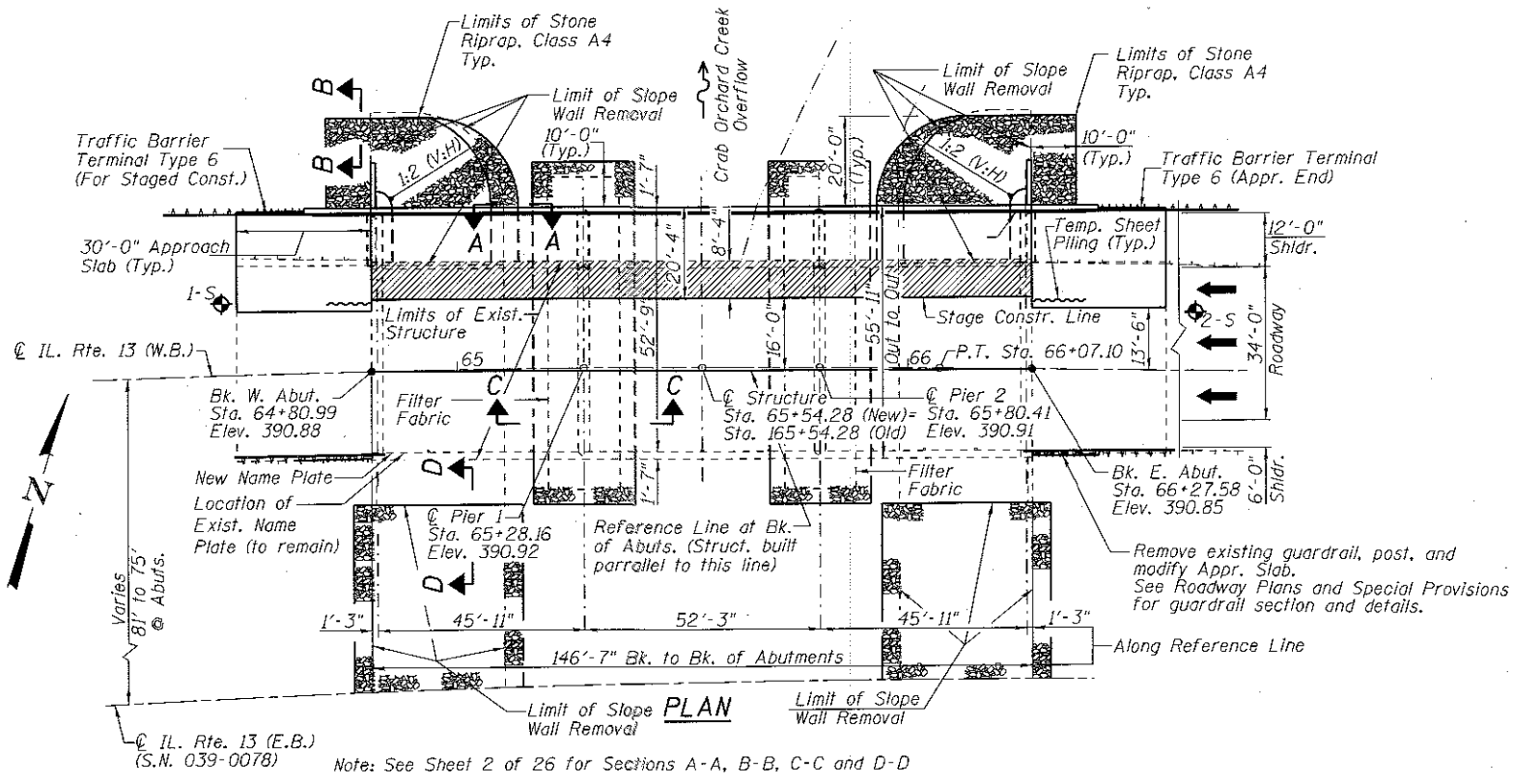
SEISMIC DATA

Seismic Performance Category, SPC = C
 Horizontal Bedrock Acceleration, A = 0.14g
 Site Coefficient, s = 1.5

04-11-2017

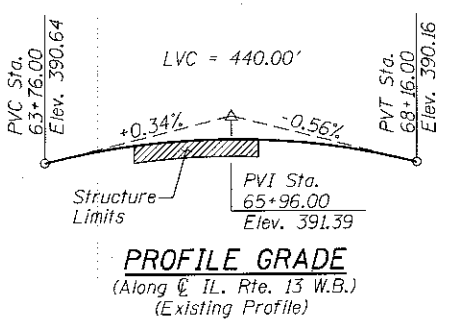


GENERAL PLAN
 F.A.P. ROUTE 331 (IL 13 W.B.)
 OVER CRAB ORCHARD CREEK
 OVERFLOW
 SECTION (5-3) BR-1
 JACKSON COUNTY
 STATION 65+54.28
 STRUCTURE NO. 039-0062



DESIGN SCOUR ELEVATION TABLE

Event / Limit	Design Scour Elevations (ft.)					Item 113
	State	W. Abut.	Pier 1	Pier 2	E. Abut.	
Q100	383.39	366.50	366.50	383.24		5
Q200	383.39	365.50	365.50	383.24		
Design	383.39	366.50	366.50	383.24		



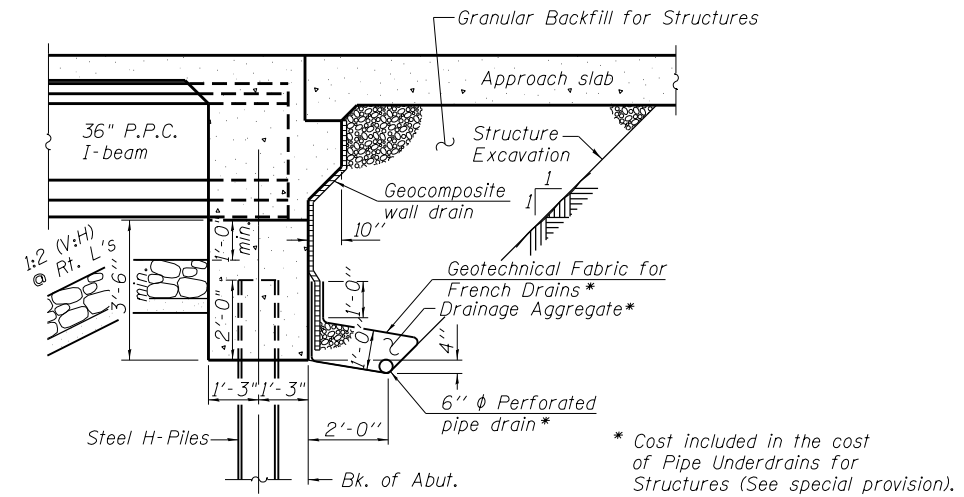
CURVE DATA
 P.I. Sta. = 58+67.93
 $\Delta = 22^\circ 26' 32''$ Rt.
 D = 129'54"
 R = 3,823.93'
 T = 758.62'
 L = 1,497.79'
 e = 74.52
 S.E. = 0.0461'
 S.E. Attained Sta. 64+50.99 to Sta. 68+83.59
 P.C. Sta. = 51+09.31
 P.T. Sta. = 66+07.10

William L. Bailey, Jr.
 Exp. 11-30-2018

GENERAL NOTES

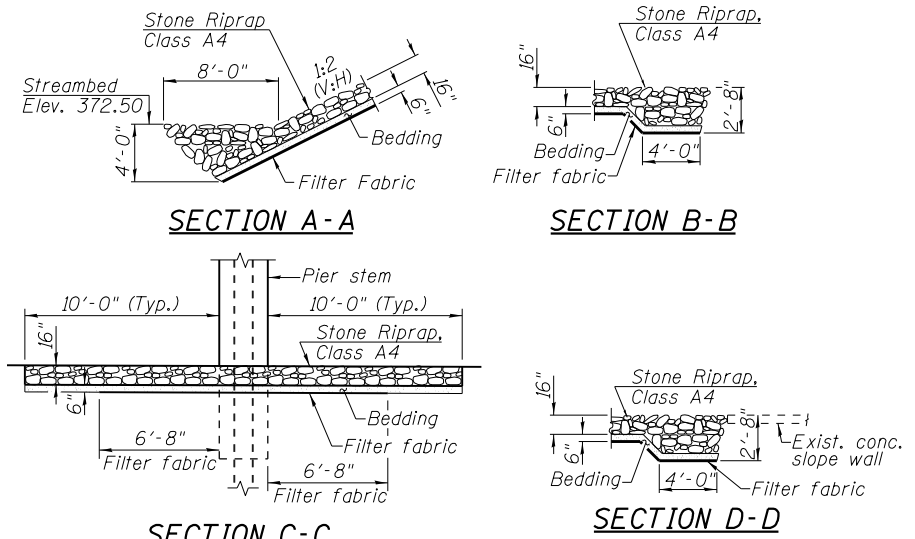
- Reinforcement bars designated (E) shall be epoxy coated.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutment extensions.
- Slipforming of the parapets is not allowed.

NOTE TO CONTRACTOR:
 Approach Slabs, Abutments and Piers have removal limits that differ from the stage construction line location shown on the Stage Construction Details sheet. See Approach Slab Details, Abutment Details and Pier Details for more information.



SECTION THRU INTEGRAL ABUTMENT

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



WATERWAY INFORMATION

Flood		Freq. Yr.	Structure Number	Q (C.F.S.)		Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
				Exist.	Prop.	Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
		10	039-0061/79	6,158	6,628	2,342	2,367	381.2	0.2	0.1	381.4	381.3
			0'flow Culvert	186	137	67	67					
			039-0062/78	2,056	1,635	779	772					
			Total	8,400		3,188	3,206					
Design		50	039-0061/79	8,788	9,417	2,682	2,715	383.0	0.3	0.2	383.3	383.2
			0'flow Culvert	269	235	85	85					
			039-0062/78	3,343	2,748	995	987					
			Total	12,400		3,762	3,787					
Base		100	039-0061/79	9,878	10,577	2,857	2,894	383.9	0.3	0.3	384.2	384.2
			0'flow Culvert	326	269	94	94					
			039-0062/78	3,896	3,254	1,109	1,099					
			Total	14,100		4,060	4,087					
Scour Design Check		200	039-0061/79	11,055	11,616	2,995	3,036	384.6	0.4	0.3	385.0	384.9
			0'flow Culvert	379	332	101	101					
			039-0062/78	4,576	4,062	1,200	1,189					
			Total	16,010		4,296	4,326					
Max. Calc.		500	039-0061/79	12,694	12,917	3,116	3,158	385.2	0.5	0.4	385.7	385.6
			0'flow Culvert	417	393	107	107					
			039-0062/78	5,389	5,190	1,279	1,268					
			Total	18,500		4,502	4,533					

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		935	935
Filter Fabric	Sq. Yd.		799	799
Concrete Removal	Cu. Yd.	85	8	93
Slope Wall Removal	Sq. Yd.		462	462
Structure Excavation	Cu. Yd.		146	146
Concrete Structures	Cu. Yd.	13.7	65.7	79.4
Concrete Superstructure	Cu. Yd.	111.9		111.9
Bridge Deck Grooving	Sq. Yd.	411		411
Protective Coat	Sq. Yd.	535	20	555
Concrete Superstructure (Approach Slab)	Cu. Yd.	77.2		77.2
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 36 IN.	Foot	433		433
Reinforcement Bars, Epoxy Coated	Pound	56,220	8,000	64,220
Bar Splicers	Each	44		44
Furnishing Steel Piles HP 12x63	Foot		369	369
Furnishing Steel Piles HP 12x74	Foot		126	126
Driving Piles	Foot		495	495
Test Pile Steel HP 12x63	Each		2	2
Test Pile Steel HP 12x74	Each		2	2
Name Plates	Each	1		1
Temporary Sheet Piling	Sq. Ft.		236	236
Geocomposite Wall Drain	Sq. Yd.		21	21
Bridge Deck Concrete Crack Sealer	Foot	600		600
Granular Backfill for Structures	Cu. Yd.		41	41
Removal of Existing Concrete I-Beam	Each	3		3
Pipe Underdrains for Structures 6"	Foot		64	64
Drill and Grout Bars	Each	292	100	392

L:\DDT\0806610\WG_31\Draw\CADD_Sheets\Final_Plans\Str_No_039-0062.dwg

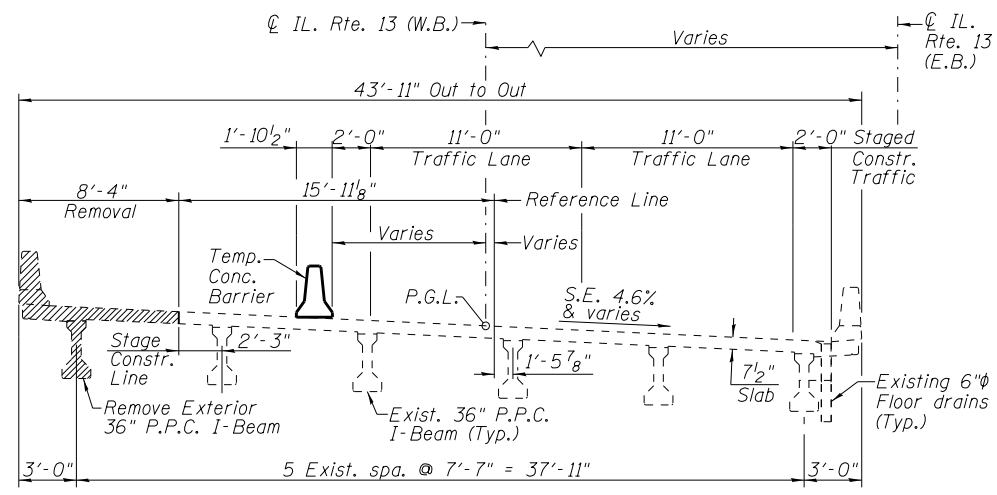


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PLOT DATE =	CHECKED WLB	REVISED

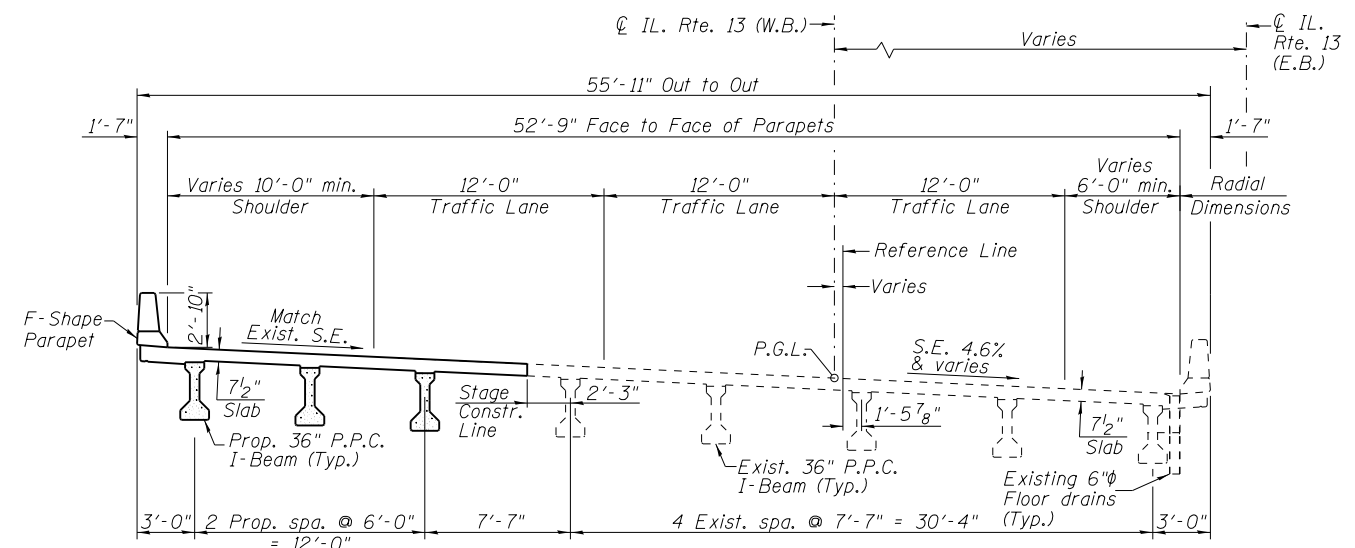
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
 STRUCTURE NO. 039-0062**
 SHEET NO. 2 OF 26 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	90
			CONTRACT NO. 78295	
ILLINOIS FED. AID PROJECT				

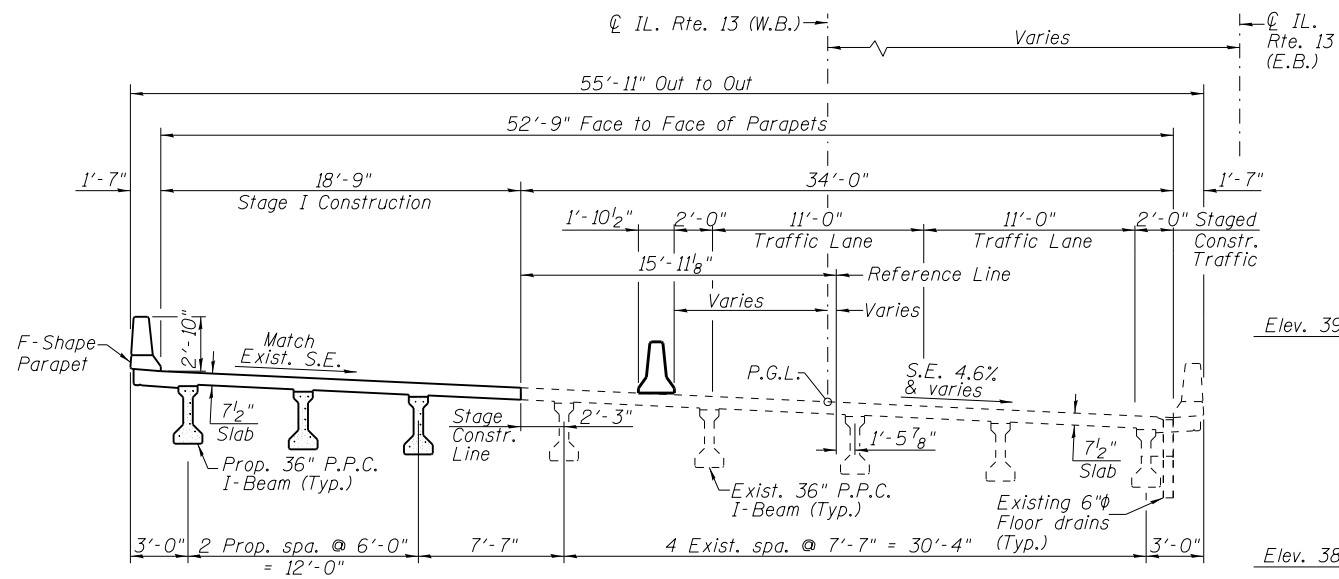


CROSS SECTION - SHOWING REMOVAL
(Looking East)



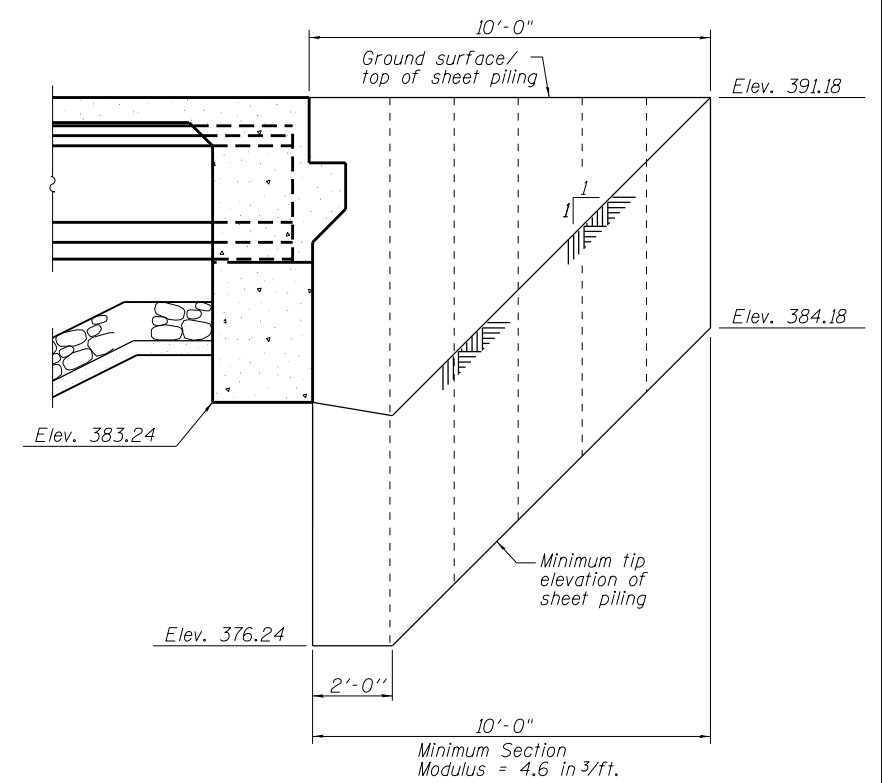
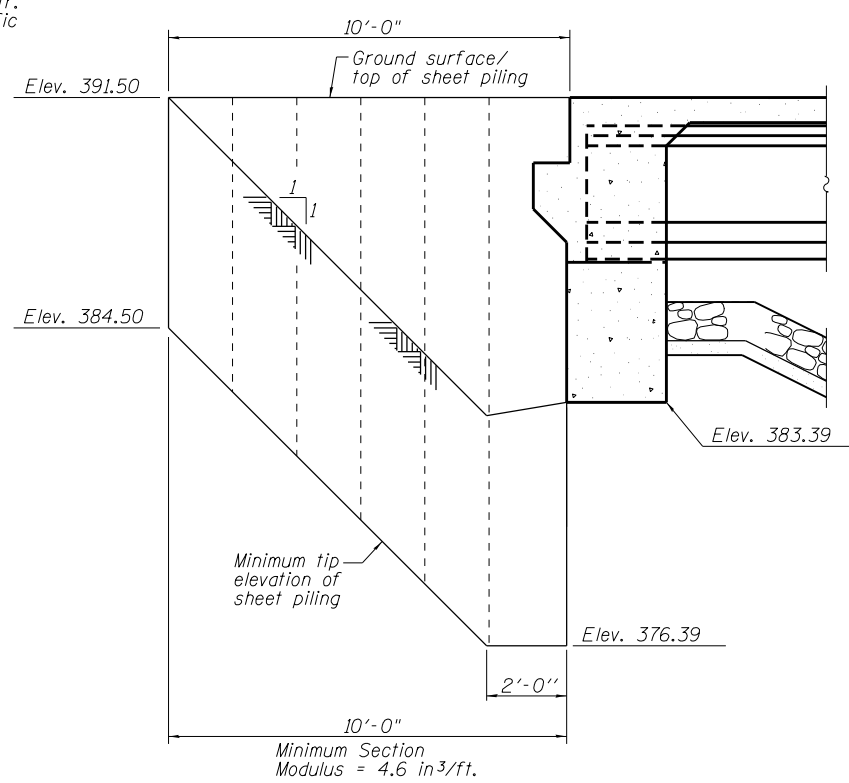
CROSS SECTION
(Looking East)

Note:
For quantity of Temporary Concrete Barrier, see Roadway Plans.



CROSS SECTION - STAGE I CONSTRUCTION
(Looking East)

Note:
Work associated with south side guardrail and bridge approach slab curb shall be accommodated prior to Stage 1. See Roadway Plans and Special Provisions for details.



TEMPORARY SHEET PILING

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for the review and acceptance by the engineer.

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PLOT DATE =	CHECKED WLB	REVISED

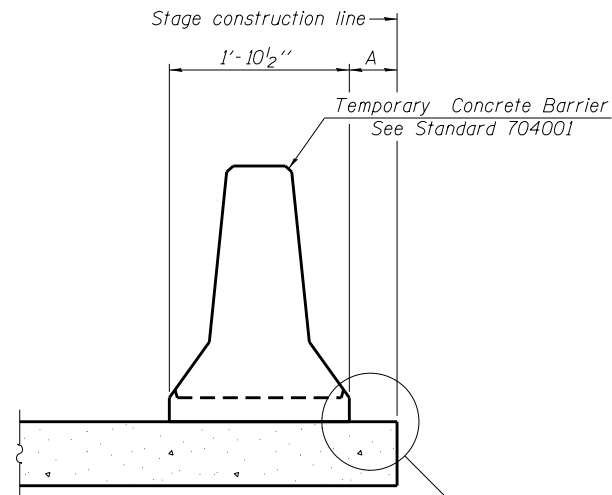
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 039-0062

SHEET NO. 3 OF 26 SHEETS

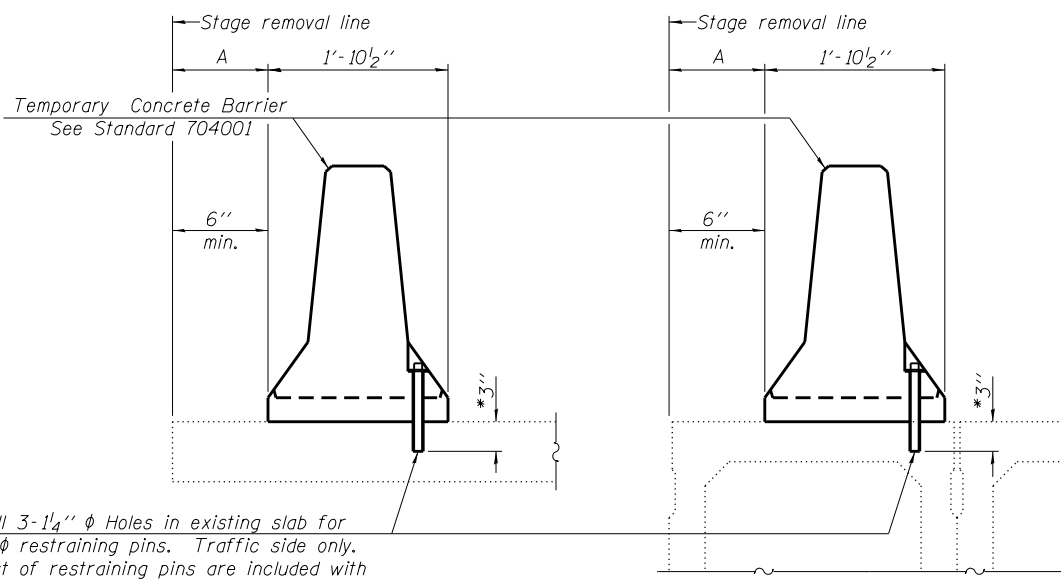
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	91
CONTRACT NO. 78295				

ILLINOIS FED. AID PROJECT



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

NEW SLAB OR NEW DECK BEAM

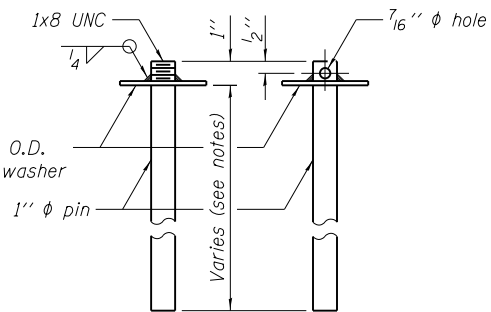


Drill 3-1/4" ϕ Holes in existing slab for 1" ϕ restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

EXISTING DECK BEAM

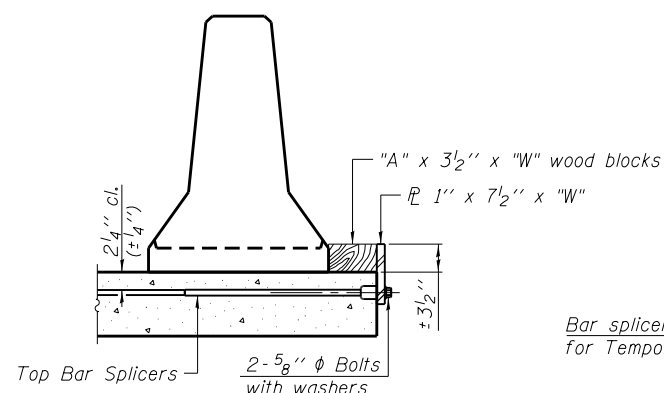
SECTIONS THRU SLAB OR DECK BEAM



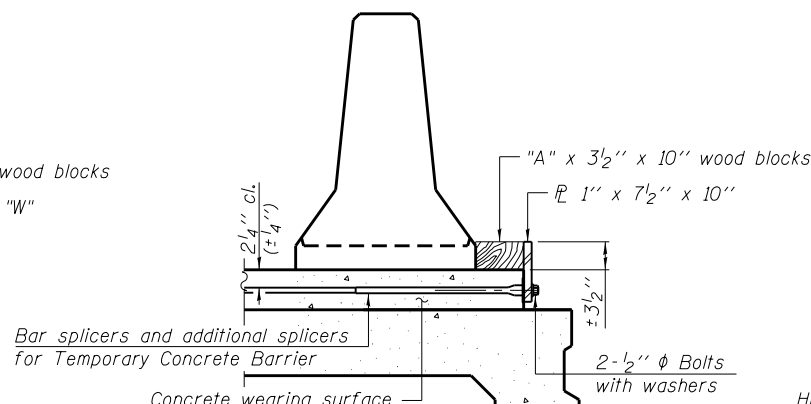
US Std. 1 1/16" I.D. x 2 1/2" O.D. x approx. 8 gauge thick washer

RESTRAINING PIN

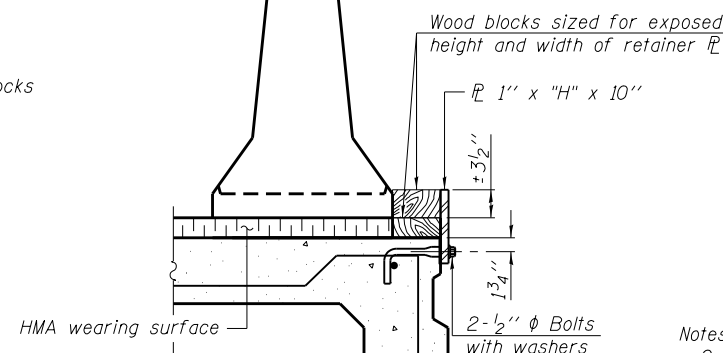
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.



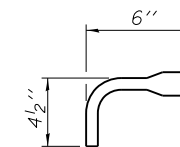
DETAIL I



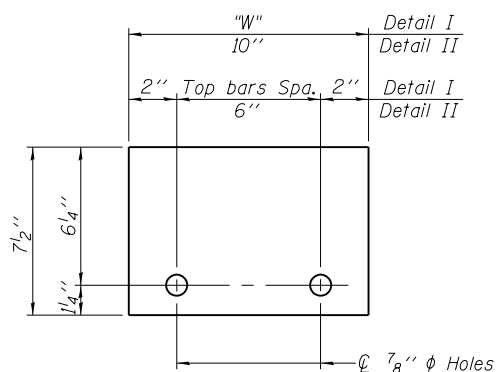
DETAIL II



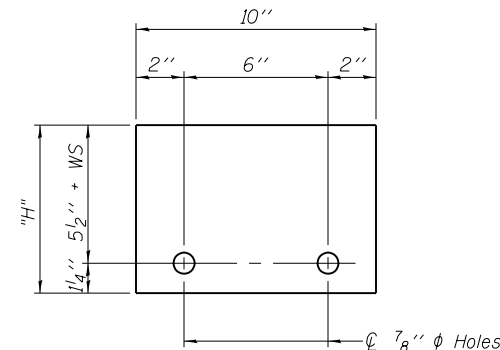
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER 1" x 7 1/2" x "W"
(Detail I and II)



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

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate ϕ of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

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

R-27 11-22-16



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... \98850-0062.004-Temp Conc Barrier.dgn	CHECKED LM	REVISED
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PLOT DATE =	CHECKED WLB	REVISED

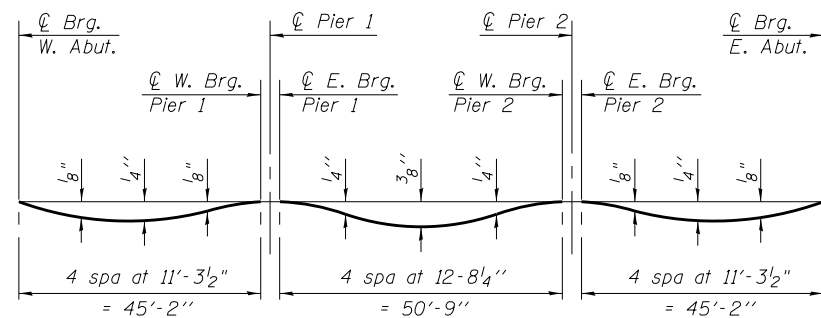
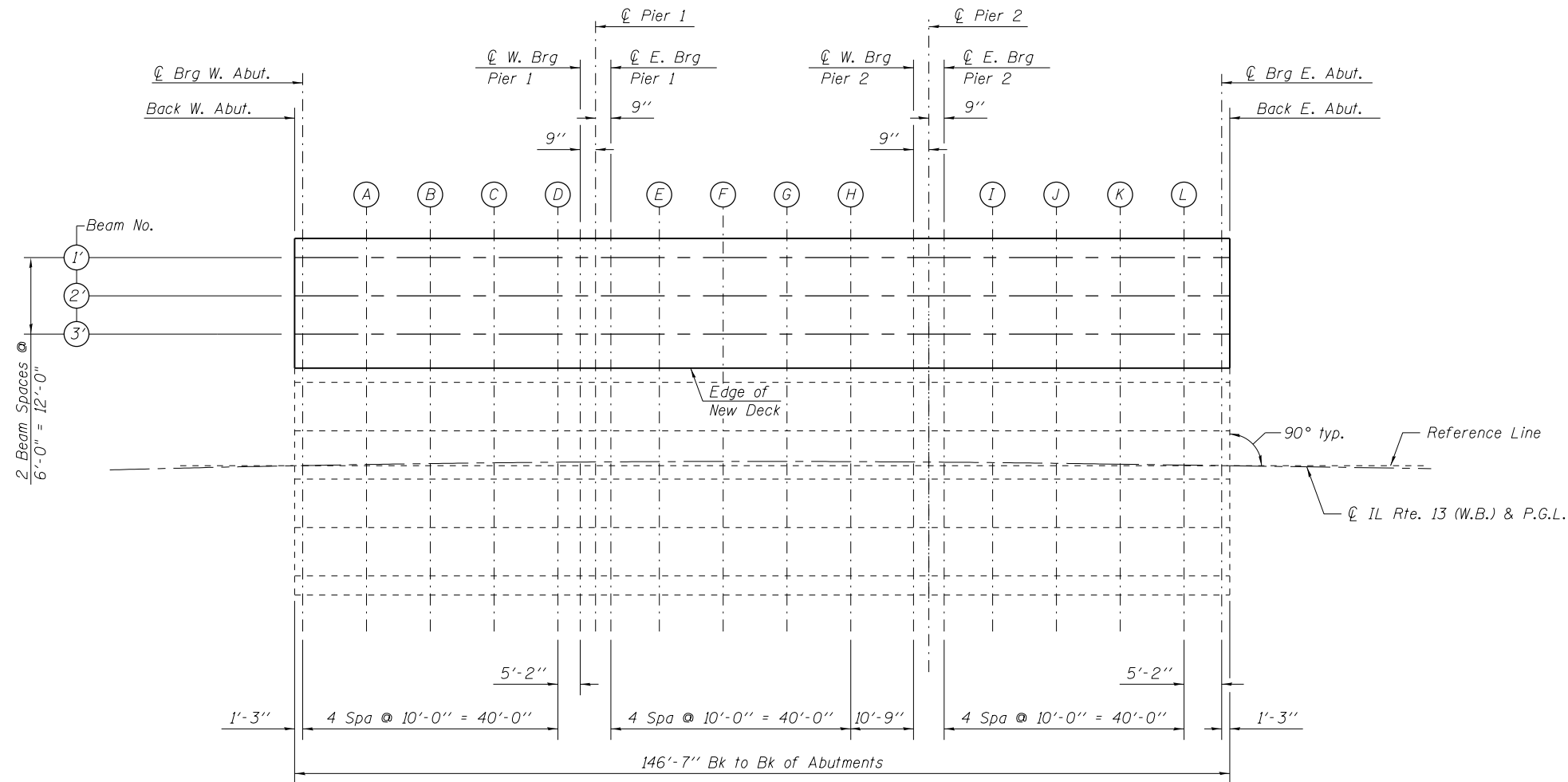
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 039-0062

SHEET NO. 4 OF 26 SHEETS

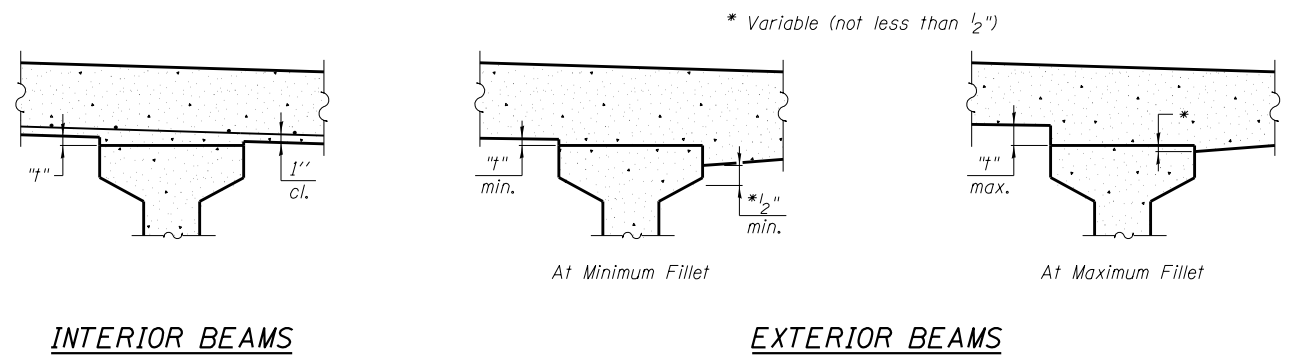
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1.N-1.B-5.BR-1.B-6.BR-2	JACKSON	321	92
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	

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DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections. As shown on sheet 6 of 26.



INTERIOR BEAMS

EXTERIOR BEAMS

To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" shown on sheet 6 of 26, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

FILLET HEIGHTS

Note:
All deck elevations are based on field survey taken along the proposed construction joint.

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PLOT DATE =	CHECKED WLB	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK ELEVATIONS - 1
STRUCTURE NO. 039-0062**

SHEET NO. 5 OF 26 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	93
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	

BEAM 1'

LOCATION	STATION	*OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. W. Abut.	64+81.59	-33.31	392.30	392.30
☉Brg. W. Abut.	64+82.84	-33.29	392.29	392.29
A	64+92.76	-33.12	392.27	392.29
B	65+02.67	-32.97	392.26	392.27
C	65+12.58	-32.85	392.20	392.22
D	65+22.50	-32.76	392.15	392.15
☉W. Brg. Pier 1	65+27.62	-32.72	392.12	392.12
☉Pier 1	65+28.36	-32.72	392.12	392.12
☉E. Brg. Pier 1	65+29.11	-32.71	392.12	392.12
E	65+39.02	-32.66	392.11	392.13
F	65+48.94	-32.64	392.07	392.10
G	65+58.85	-32.64	392.03	392.06
H	65+68.77	-32.67	391.97	391.99
☉W. Brg. Pier 2	65+79.43	-32.73	391.91	391.91
☉Pier 2	65+80.17	-32.74	391.90	391.90
☉E. Brg. Pier 2	65+80.91	-32.74	391.90	391.90
I	65+90.83	-32.83	391.86	391.87
J	66+00.74	-32.94	391.82	391.84
K	66+10.69	-33.08	391.77	391.79
L	66+20.69	-33.22	391.71	391.71
☉Brg. E. Abut.	66+25.85	-33.29	391.67	391.67
Bk. E. Abut.	66+27.10	-33.31	391.67	391.67

BEAM 2'

LOCATION	STATION	*OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. W. Abut.	64+81.49	-27.31	392.04	392.04
☉Brg. W. Abut.	64+82.73	-27.29	392.03	392.03
A	64+92.66	-27.12	392.02	392.03
B	65+02.59	-26.97	392.01	392.03
C	65+12.52	-26.85	391.97	391.98
D	65+22.45	-26.76	391.91	391.92
☉W. Brg. Pier 1	65+27.58	-26.72	391.90	391.90
☉Pier 1	65+28.33	-26.72	391.89	391.89
☉E. Brg. Pier 1	65+29.07	-26.71	391.89	391.89
E	65+39.00	-26.66	391.89	391.91
F	65+48.93	-26.64	391.86	391.89
G	65+58.86	-26.64	391.82	391.85
H	65+68.79	-26.67	391.77	391.79
☉W. Brg. Pier 2	65+79.47	-26.73	391.71	391.71
☉Pier 2	65+80.21	-26.74	391.71	391.71
☉E. Brg. Pier 2	65+80.96	-26.74	391.71	391.71
I	65+90.89	-26.83	391.67	391.68
J	66+00.82	-26.94	391.64	391.66
K	66+10.77	-27.08	391.60	391.61
L	66+20.77	-27.22	391.54	391.54
☉Brg. E. Abut.	66+25.94	-27.29	391.51	391.51
Bk. E. Abut.	66+27.19	-27.31	391.50	391.50

BEAM 3'

LOCATION	STATION	*OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. W. Abut.	64+81.38	-21.31	391.78	391.78
☉Brg. W. Abut.	64+82.63	-21.29	391.77	391.77
A	64+92.57	-21.12	391.77	391.78
B	65+02.51	-20.97	391.77	391.78
C	65+12.46	-20.85	391.73	391.74
D	65+22.40	-20.76	391.68	391.69
☉W. Brg. Pier 1	65+27.54	-20.72	391.67	391.67
☉Pier 1	65+28.29	-20.72	391.67	391.67
☉E. Brg. Pier 1	65+29.03	-20.71	391.67	391.67
E	65+38.98	-20.66	391.67	391.68
F	65+48.93	-20.64	391.64	391.67
G	65+58.87	-20.64	391.61	391.64
H	65+68.82	-20.67	391.57	391.58
☉W. Brg. Pier 2	65+79.51	-20.73	391.52	391.52
☉Pier 2	65+80.26	-20.74	391.51	391.51
☉E. Brg. Pier 2	65+81.00	-20.74	391.51	391.51
I	65+90.95	-20.83	391.48	391.49
J	66+00.89	-20.94	391.46	391.47
K	66+10.86	-21.08	391.42	391.44
L	66+20.86	-21.22	391.37	391.37
☉Brg. E. Abut.	66+26.02	-21.29	391.35	391.35
Bk. E. Abut.	66+27.27	-21.31	391.34	391.34

EDGE OF NEW DECK / STAGE CONST. LINE

LOCATION	STATION	*OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. W. Abut.	64+81.28	-16.00	391.56	391.56
☉Brg. W. Abut.	64+82.53	-15.97	391.55	391.55
A	64+92.49	-15.80	391.55	391.56
B	65+02.44	-15.66	391.55	391.57
C	65+12.40	-15.54	391.52	391.54
D	65+22.36	-15.45	391.48	391.49
☉W. Brg. Pier 1	65+27.51	-15.41	391.47	391.47
☉Pier 1	65+28.25	-15.40	391.47	391.47
☉E. Brg. Pier 1	65+29.00	-15.40	391.47	391.47
E	65+38.96	-15.35	391.47	391.49
F	65+48.92	-15.33	391.45	391.48
G	65+58.88	-15.33	391.43	391.46
H	65+68.84	-15.36	391.39	391.41
☉W. Brg. Pier 2	65+79.55	-15.42	391.35	391.35
☉Pier 2	65+80.29	-15.42	391.35	391.35
☉E. Brg. Pier 2	65+81.04	-15.43	391.34	391.34
I	65+91.00	-15.52	391.32	391.33
J	66+00.96	-15.63	391.30	391.32
K	66+10.93	-15.77	391.27	391.29
L	66+20.93	-15.91	391.23	391.23
☉Brg. E. Abut.	66+26.10	-15.98	391.20	391.20
Bk. E. Abut.	66+27.35	-16.00	391.20	391.20

* Offsets are from P.G.L.

Note:
All deck elevations are based on field survey taken along the proposed construction joint.

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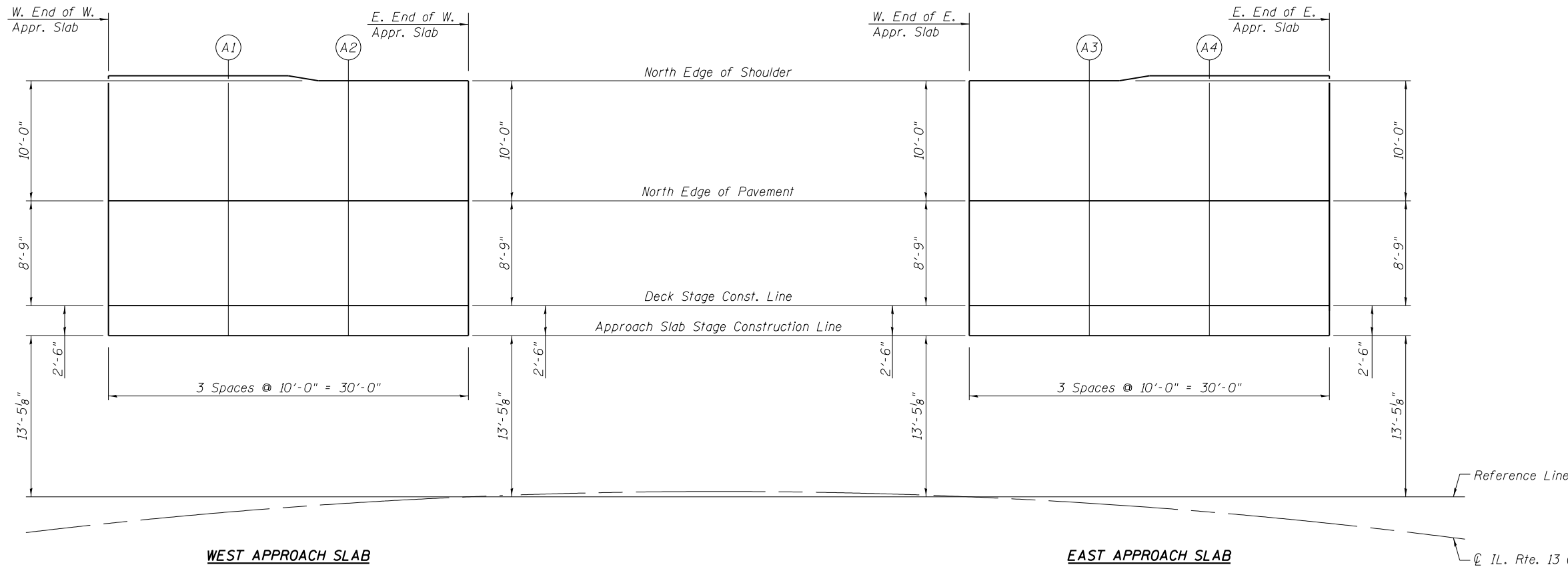
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK ELEVATIONS - 2
STRUCTURE NO. 039-0062**

SHEET NO. 6 OF 26 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	94
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78295	



PLAN

WEST APPROACH SLAB

EAST APPROACH SLAB

NORTH EDGE OF SHOULDER

LOCATION	STATION	* OFFSET	THEORETICAL GRADE ELEVATION
W. End of W. Appr.	64+51.92	-35.83	392.28
A1	64+61.83	-35.58	392.30
A2	64+71.72	-34.94	392.30
E. End of W. Appr.	64+81.63	-34.74	392.36

DECK STAGE CONST. LINE

LOCATION	STATION	* OFFSET	THEORETICAL GRADE ELEVATION
W. End of W. Appr.	64+51.42	-16.68	391.40
A1	64+61.37	-16.42	391.43
A2	64+71.33	-16.20	391.48
E. End of W. Appr.	64+54.77	-16.00	391.56

NORTH CURB LINE

LOCATION	STATION	* OFFSET	THEORETICAL GRADE ELEVATION
W. End of E. Appr.	66+27.08	-34.75	391.71
A3	66+37.08	-34.89	391.59
A4	66+47.08	-35.45	391.49
E. End of E. Appr.	66+57.08	-35.59	391.35

DECK STAGE CONST. LINE

LOCATION	STATION	* OFFSET	THEORETICAL GRADE ELEVATION
W. End of E. Appr.	66+27.35	-16.00	391.20
A3	66+37.35	-16.14	391.10
A4	66+47.35	-16.28	391.00
E. End of E. Appr.	66+57.35	-16.42	390.87

NORTH EDGE OF PAVEMENT

LOCATION	STATION	* OFFSET	THEORETICAL GRADE ELEVATION
W. End of W. Appr.	64+51.65	-25.42	391.80
A1	64+61.58	-25.17	391.83
A2	64+71.51	-24.94	391.86
E. End of W. Appr.	64+81.45	-24.74	391.93

APPROACH SLAB STAGE CONST. LINE

LOCATION	STATION	* OFFSET	THEORETICAL GRADE ELEVATION
W. End of W. Appr.	64+51.35	-14.18	391.29
A1	64+61.31	-13.92	391.33
A2	64+71.27	-13.70	391.38
E. End of W. Appr.	64+81.24	-13.50	391.43

NORTH EDGE OF PAVEMENT

LOCATION	STATION	* OFFSET	THEORETICAL GRADE ELEVATION
W. End of E. Appr.	66+27.22	-24.75	391.43
A3	66+37.22	-24.89	391.33
A4	66+47.22	-25.03	391.23
E. End of E. Appr.	66+57.22	-25.17	391.10

APPROACH SLAB STAGE CONST. LINE

LOCATION	STATION	* OFFSET	THEORETICAL GRADE ELEVATION
W. End of E. Appr.	66+27.38	-13.50	391.14
A3	66+37.38	-13.64	391.05
A4	66+47.38	-13.78	390.97
E. End of E. Appr.	66+57.38	-13.92	390.84

* Offsets are from P.G.L.

* Offsets are from P.G.L.

Note:
All deck elevations are based on field survey taken along the proposed construction joint.

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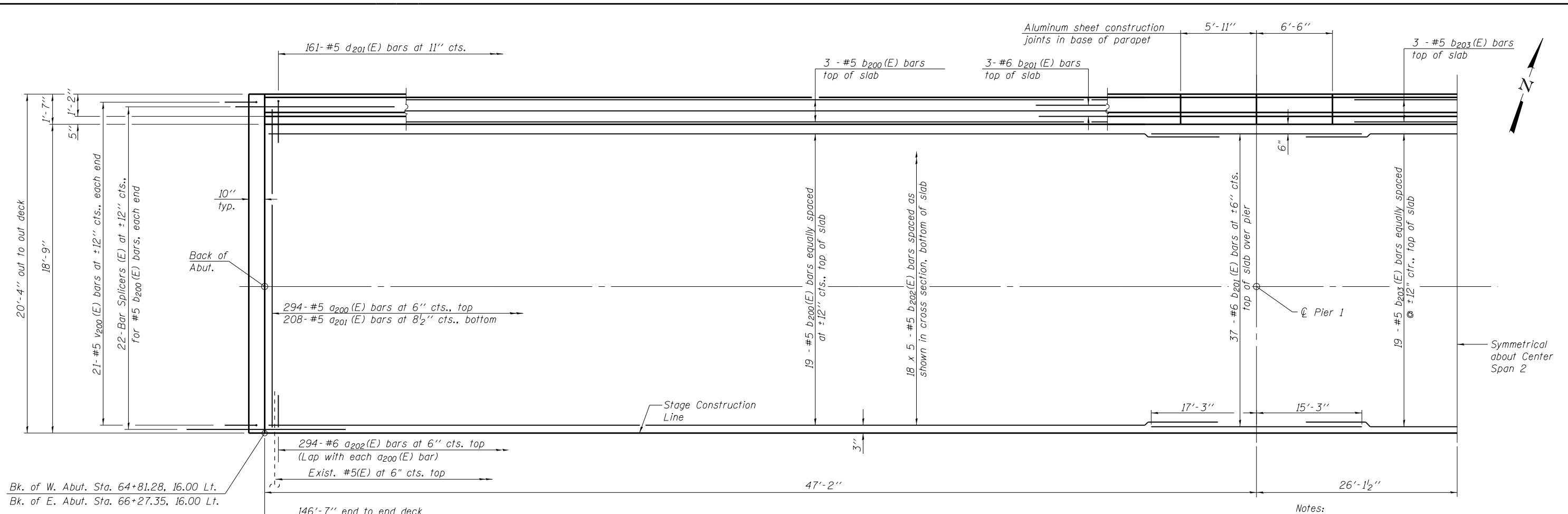
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PLOT DATE =	CHECKED	WLB	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**APPROACH SLAB ELEVATIONS
STRUCTURE NO. 039-0062**

SHEET NO. 7 OF 26 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	95
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	

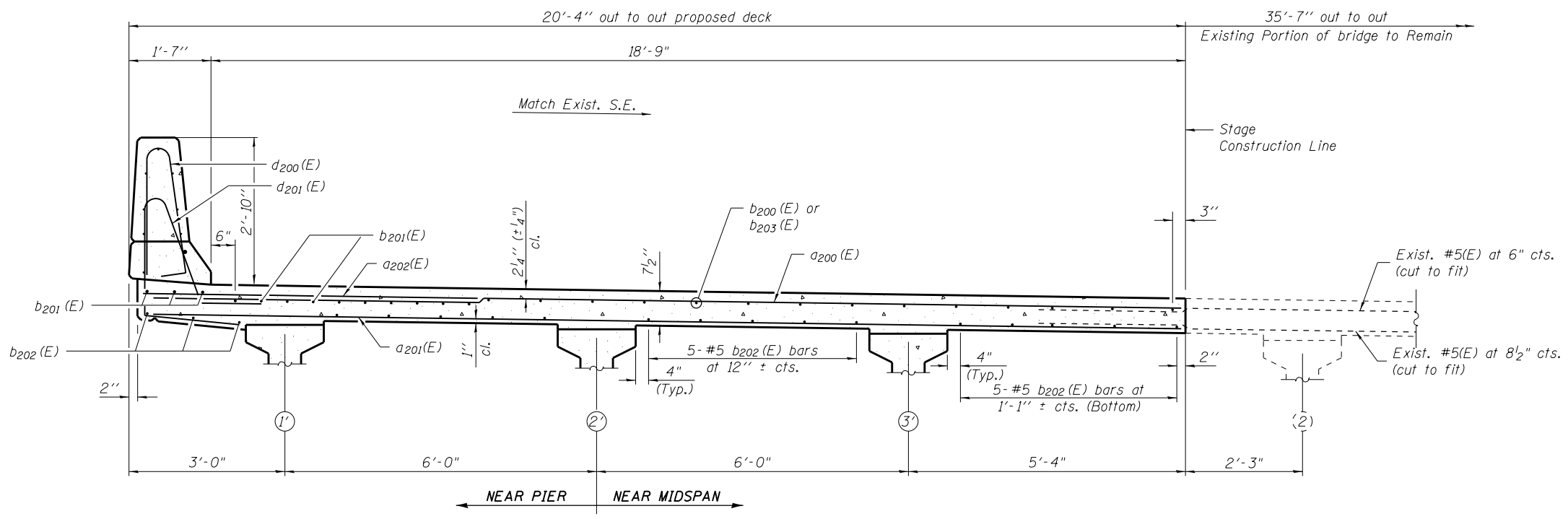


PARTIAL PLAN

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

Notes:
See Sheet 9 of 26 for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See Sheet 9 of 26 for parapet reinforcement.
Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with concrete removal.

Bk. of W. Abut. Sta. 64+81.28, 16.00 Lt.
Bk. of E. Abut. Sta. 66+27.35, 16.00 Lt.



CROSS SECTION
(Looking East)

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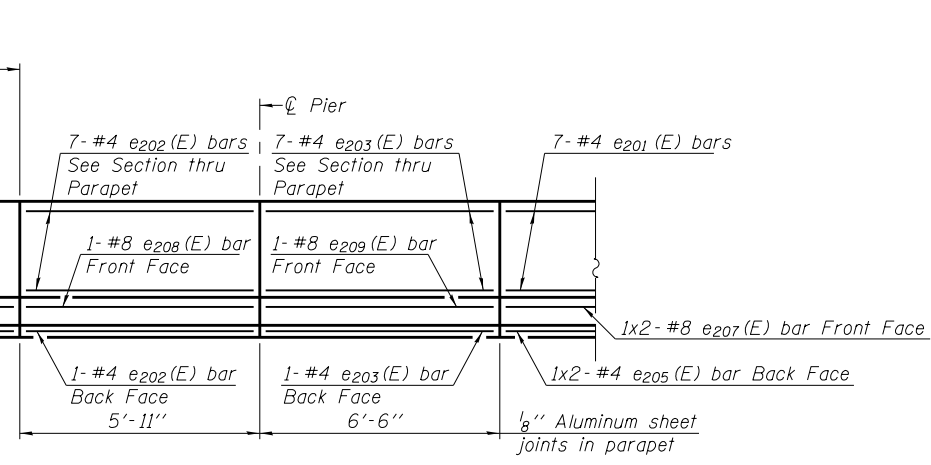
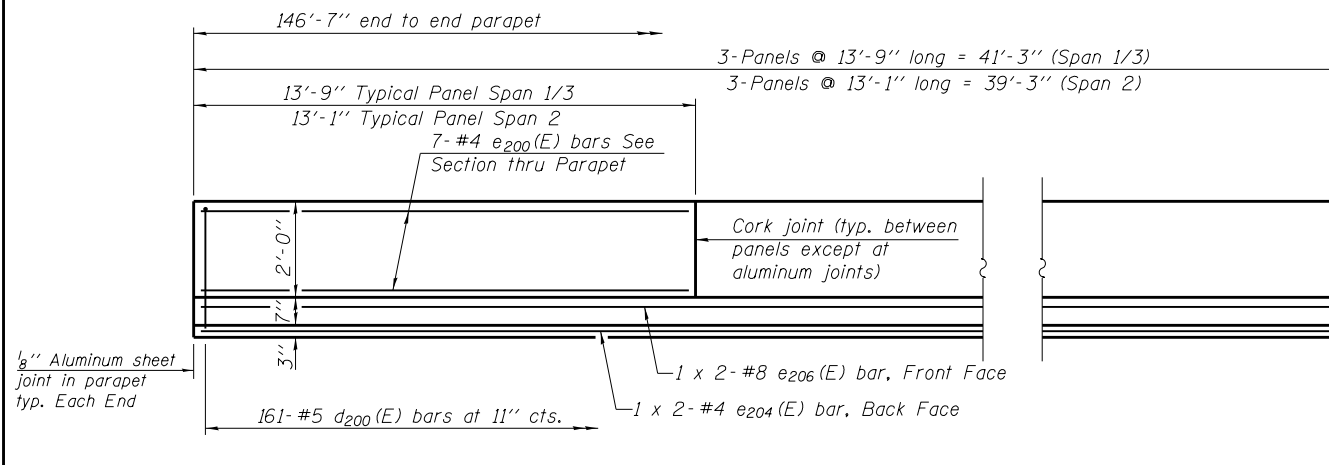
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 039-0062

SHEET NO. 8 OF 26 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	96
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	

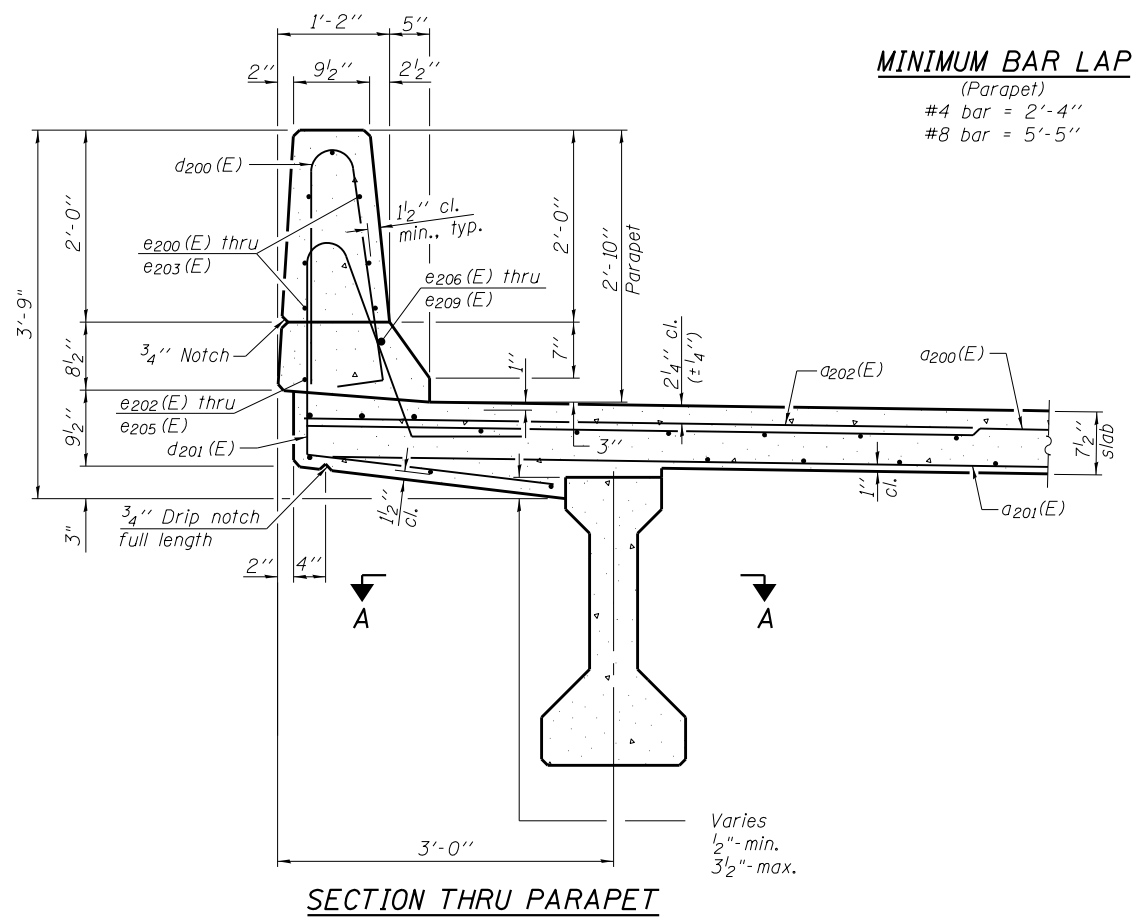


INSIDE ELEVATION OF PARAPET

**SUPERSTRUCTURE
BILL OF MATERIAL**

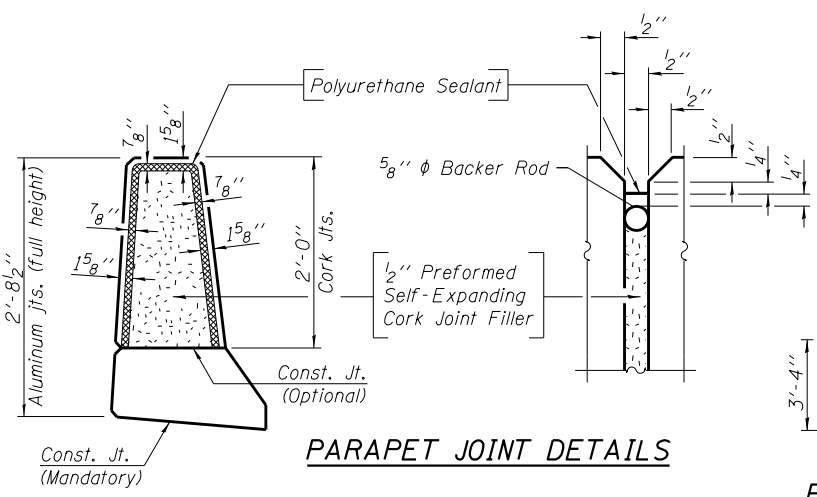
Bar	No.	Size	Length	Shape
a200(E)	294	#5	19'-10"	—
a201(E)	208	#5	19'-6"	—
a202(E)	294	#6	6'-6"	—
b200(E)	44	#5	32'-4"	—
b201(E)	80	#6	32'-6"	—
b202(E)	90	#5	31'-4"	—
b203(E)	22	#5	26'-11"	—
d200(E)	161	#5	5'-7"	⌋
d201(E)	161	#5	8'-6"	⌋
e200(E)	42	#4	13'-5"	—
e201(E)	21	#4	12'-9"	—
e202(E)	16	#4	5'-7"	—
e203(E)	16	#4	6'-2"	—
e204(E)	4	#4	21'-8"	—
e205(E)	2	#4	20'-7"	—
e206(E)	4	#8	23'-3"	—
e207(E)	2	#8	22'-2"	—
e208(E)	2	#8	5'-7"	—
e209(E)	2	#8	6'-2"	—
m210(E)	10	#6	20'-0"	—
m211(E)	8	#6	5'-2"	—
m212(E)	4	#6	2'-5"	—
m213(E)	4	#6	4'-2"	—
m214(E)	2	#6	1'-11"	—
m215(E)	12	#5	4'-0"	—
m216(E)	4	#6	4'-9"	—
m217(E)	2	#6	4'-3"	—
m220(E)	8	#6	4'-2"	—
m221(E)	16	#6	5'-2"	—
m222(E)	2	#5	17'-0"	—
m223(E)	8	#6	4'-9"	—
m224(E)	4	#6	4'-3"	—
s210(E)	36	#5	6'-11"	⌋
s211(E)	36	#5	10'-0"	⌋
s220(E)	30	#5	10'-0"	⌋
v200(E)	42	#5	2'-9"	⌋
Reinforcement Bars, Epoxy Coated		Lbs.		27,550
Concrete Superstructure		Cu. Yd.		108.6
Concrete Removal		Cu. Yd.		85
Bridge Deck Grooving		Sq. Yd.		273
Protective Coat		Sq. Yd.		377

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

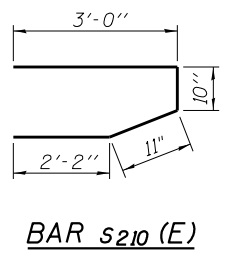


SECTION THRU PARAPET

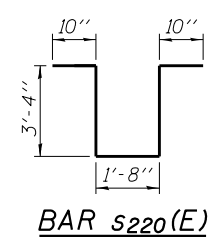
MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-4"
#8 bar = 5'-5"



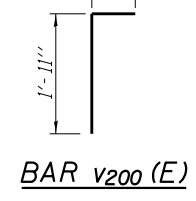
PARAPET JOINT DETAILS



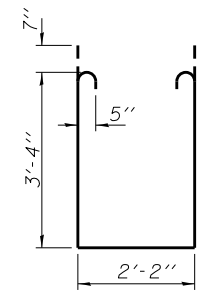
BAR s210(E)



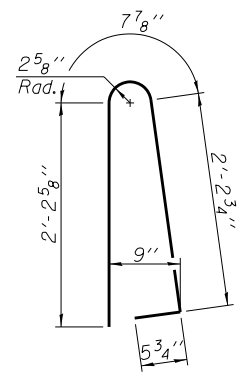
BAR s220(E)



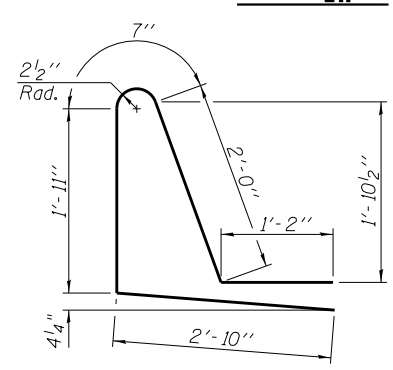
BAR v200(E)



BAR s211(E)



BAR d200(E)



BAR d201(E)

Notes:
The 1/8" Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
The Polyurethane Sealant shall be non-staining gray one component non-sag elastomeric gun grade meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25. Use T with a 5/8" backer rod.
The 1/2" Preformed Self-Expanding Cork Joint Filler shall be according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.



USER NAME =	DESIGNED DRC	REVISED
... \98850-0062.009-Superstructure Details.dgn	CHECKED LM	REVISED
PLOT SCALE =	DRAWN GLD	REVISED
PLOT DATE =	CHECKED WLB	REVISED

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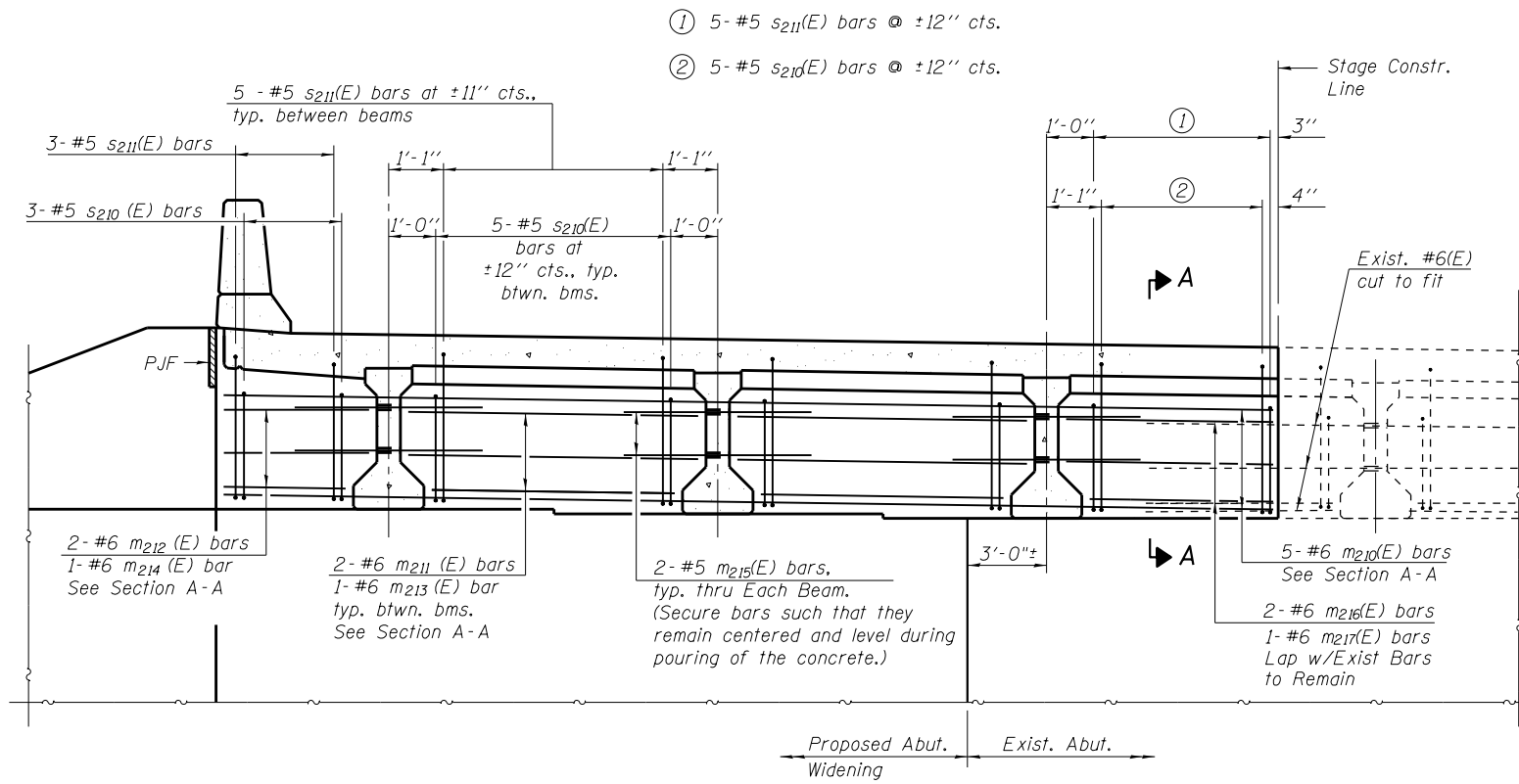
**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 039-0062**

SHEET NO. 9 OF 26 SHEETS

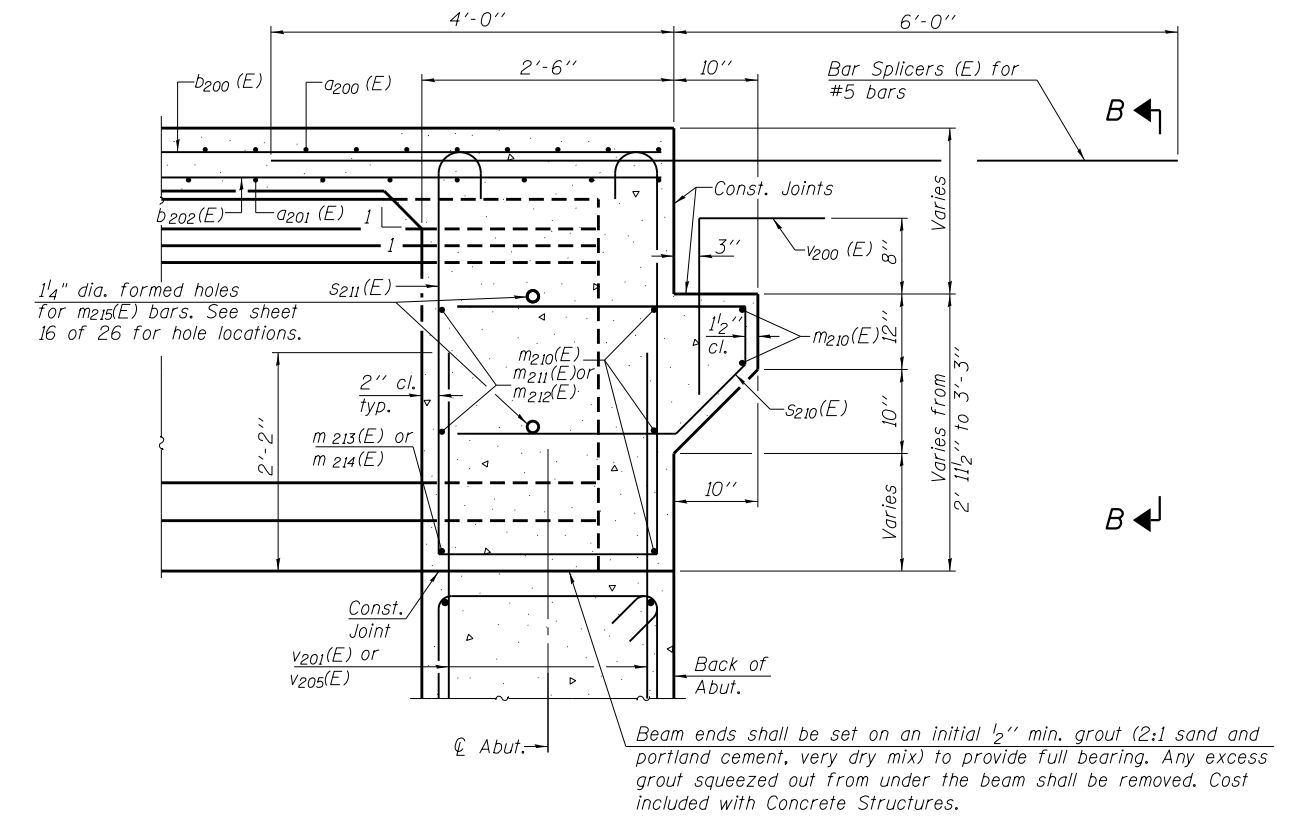
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	97
			CONTRACT NO. 78295	

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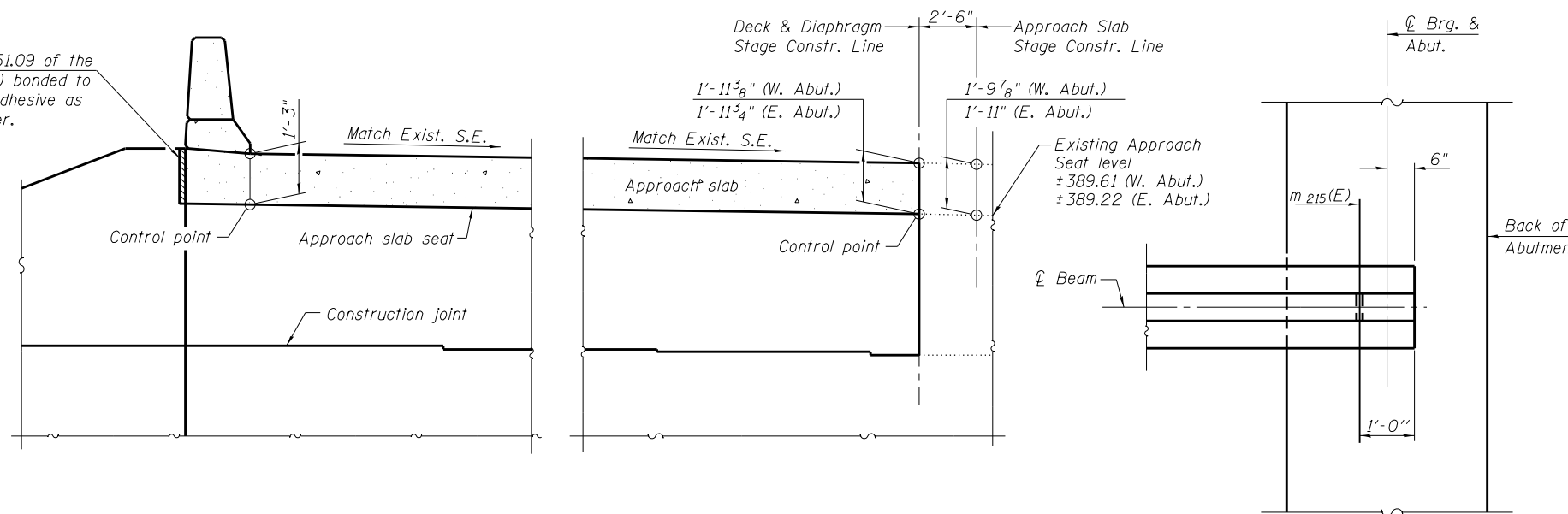


DIAPHRAGM AT ABUTMENT
(East Abutment Shown)



SECTION A-A

2" P.J.F. (per Article 1051.09 of the Standard Specifications) bonded to wingwall with suitable adhesive as recommended by supplier.



SECTION B-B

PLAN AT ABUTMENT
(Showing bottom flange of beam)

Notes:
 Reinforcement bars in diaphragm are billed with superstructure on sheet 9 of 26.
 Concrete in diaphragm is included with Concrete Superstructure on sheet 9 of 26.
 For details of bars s210(E), s211(E) and v200(E) see sheet 9 of 26.
 The new approach slab seat shall have a constant slope determined from the control points shown.
 Cost of cellular polystyrene is included with Concrete Superstructure.
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.
 Existing reinforcement to be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
 All elevations are based on field survey.

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... \98850-0062_010-Abut Diaphragm Details.dwg	CHECKED LM	REVISED
PLOT SCALE =	DRAWN GLD	REVISED
PLOT DATE =	CHECKED WLB	REVISED

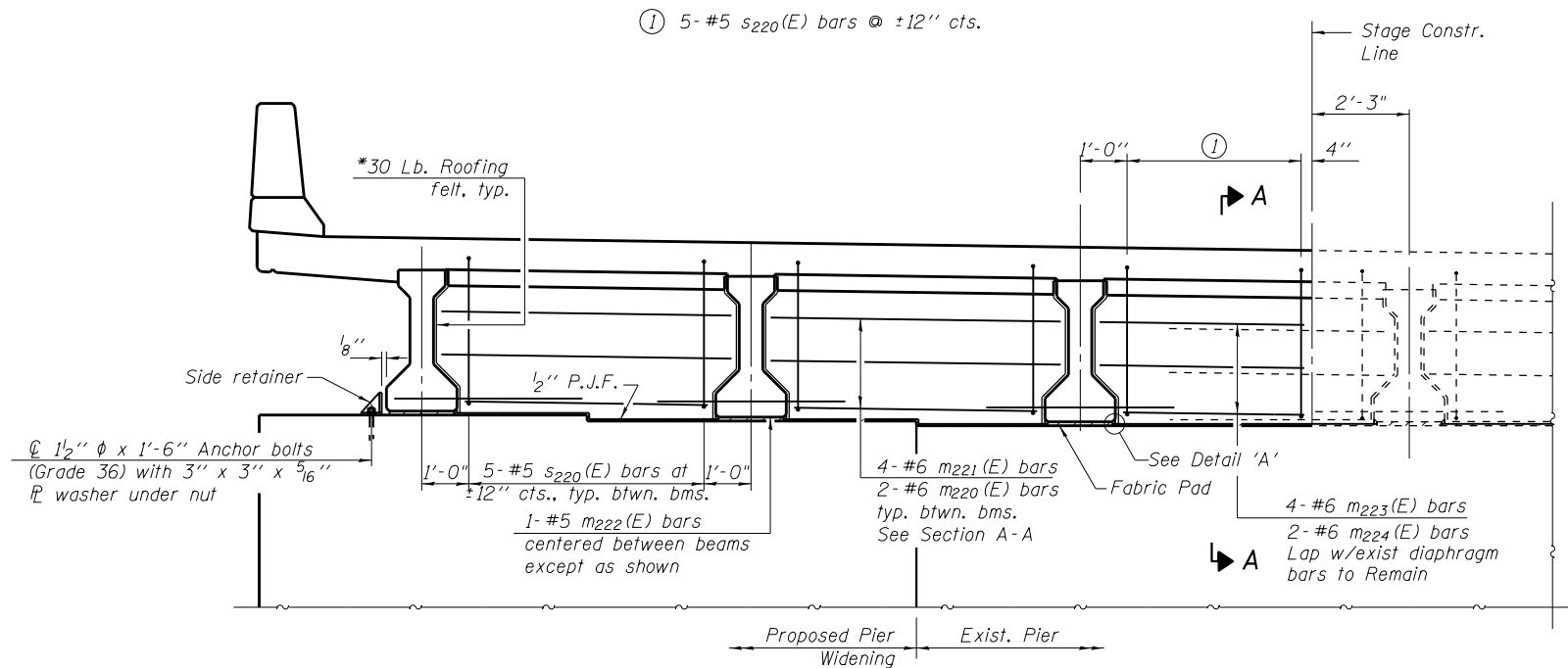
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INTERGRAL ABUTMENT DIAPHRAGM DETAILS
STRUCTURE NO. 039-0062

SHEET NO. 10 OF 26 SHEETS

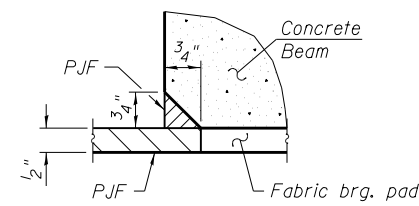
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	98
CONTRACT NO. 78295				

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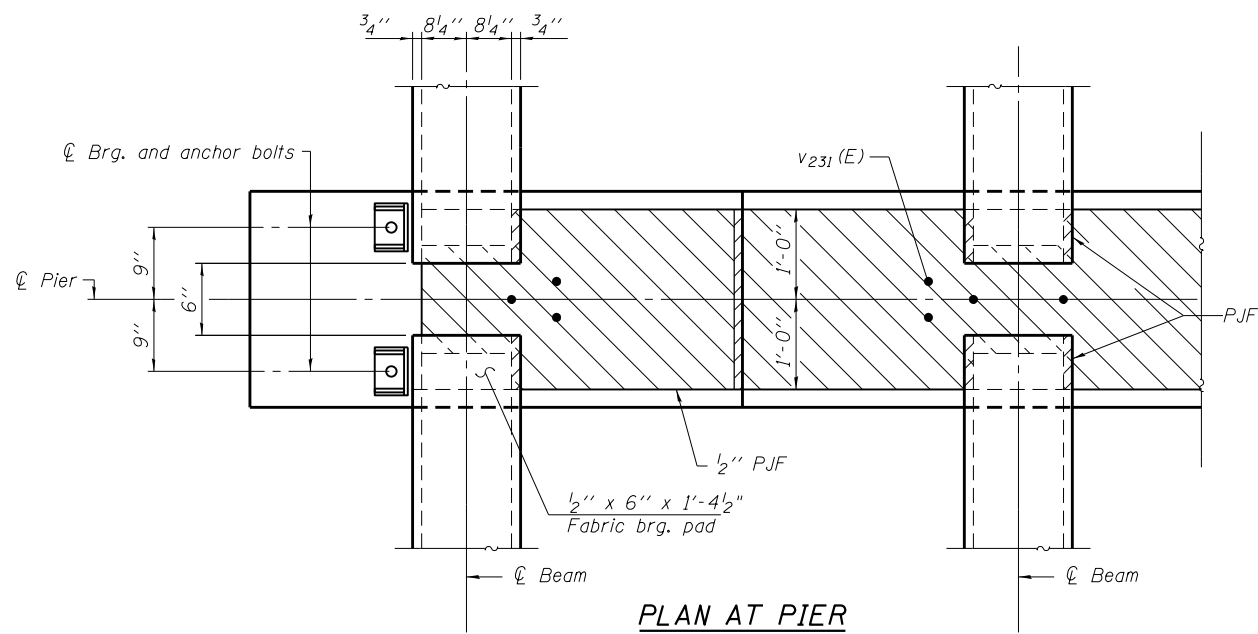


DIAPHRAGM AT PIER

*Bonded to sides of beams embedded into diaphragm.

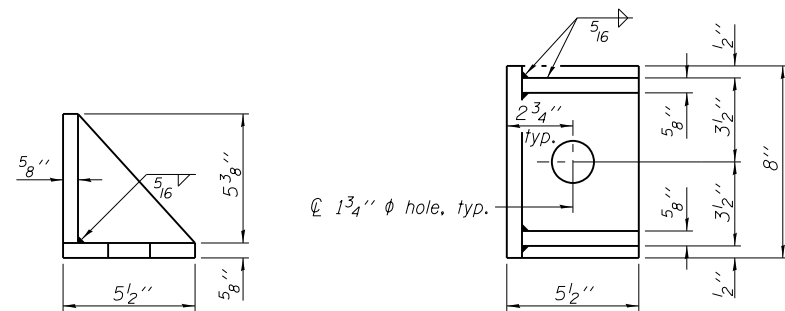


DETAIL 'A'



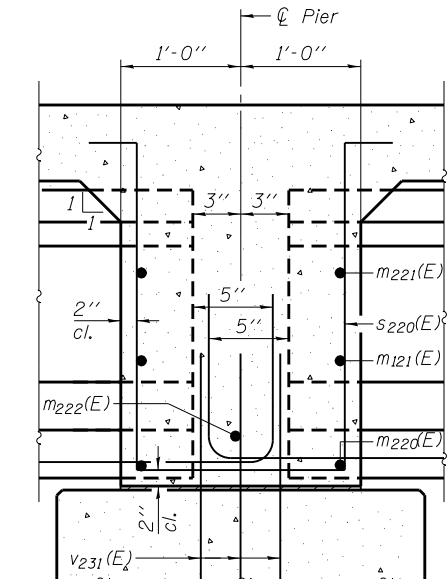
PLAN AT PIER

(Showing bearing pads and P.J.F. details)



SIDE RETAINER

(2 required each side of pier).
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



SECTION A-A

(Dimensions along centerline of beam except as shown)

Notes:

- Reinforcement bars in diaphragm are billed with superstructure on sheet 9 of 26.
- Concrete in diaphragm is included with Concrete Superstructure on sheet 9 of 26.
- Cost of 30 Lb. roofing felt is included with Concrete Superstructure.
- Cost of side retainer and anchor bolts shall be included with Concrete Structures.
- For details of bar s231(E) see sheet 9 of 26.
- Anchor bolts and side retainers shall be according to Article 521.06 of the Standard Specifications. Side retainers shall be hot dip galvanized.
- Beams shall be braced for stability during erection and remain braced until deck is poured and cured.
- Anchor bolts and side retainers shall also be installed on the south end of existing piers adjacent to existing exterior beam.
- Existing reinforcement to be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

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... \98850-0062.011-Pier Diaphragm Details.dwg	CHECKED LM	REVISED
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PLOT DATE =	CHECKED WLB	REVISED

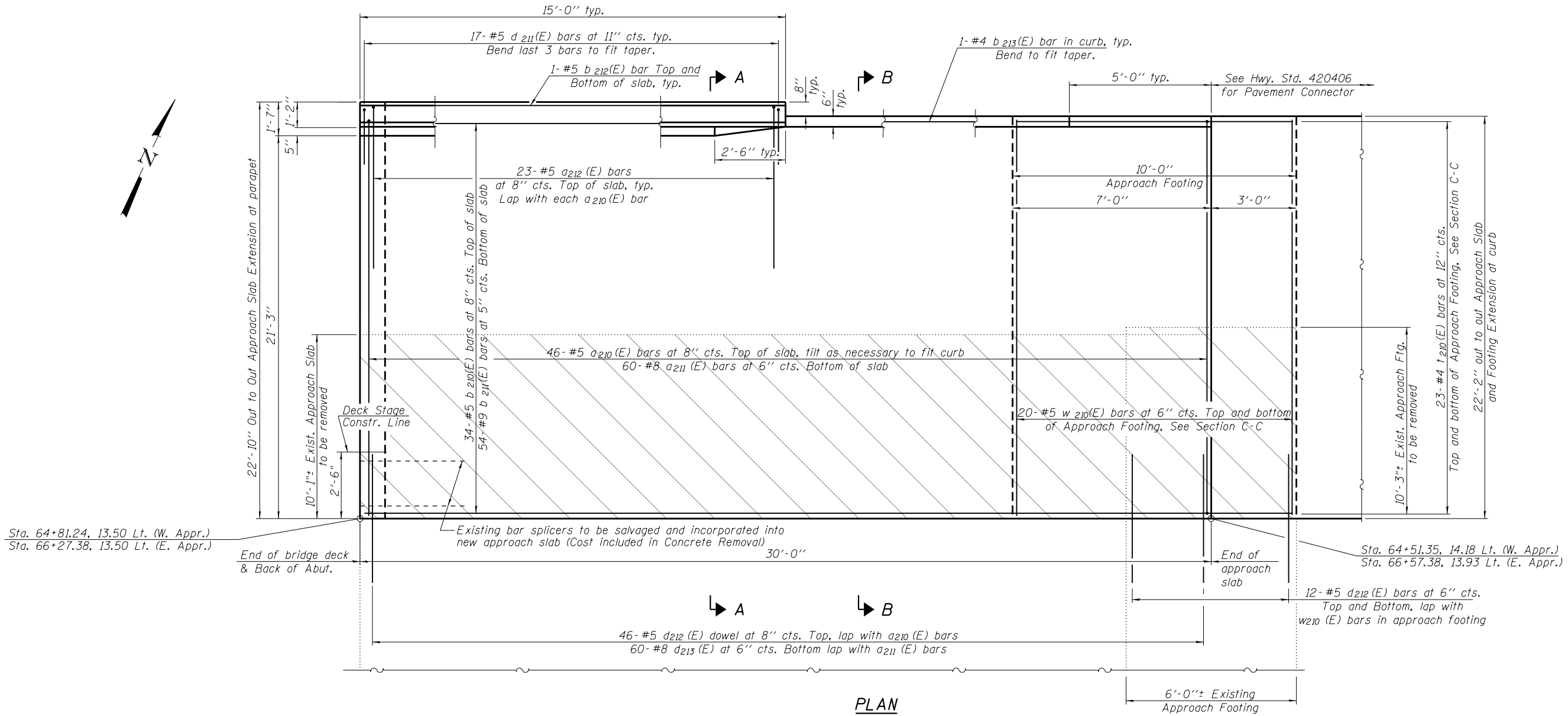
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**PIER DIAPHRAGM DETAILS
STRUCTURE NO. 039-0062**

SHEET NO. 11 OF 26 SHEETS

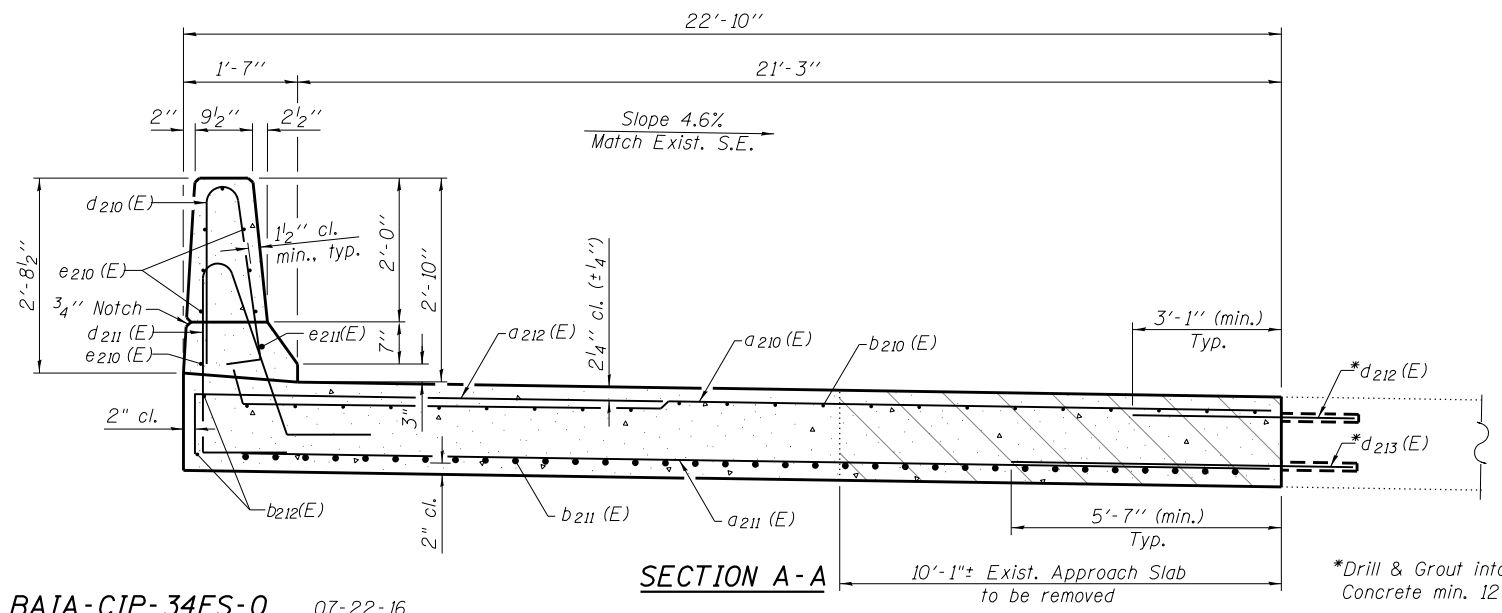
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	99
			CONTRACT NO. 78295	

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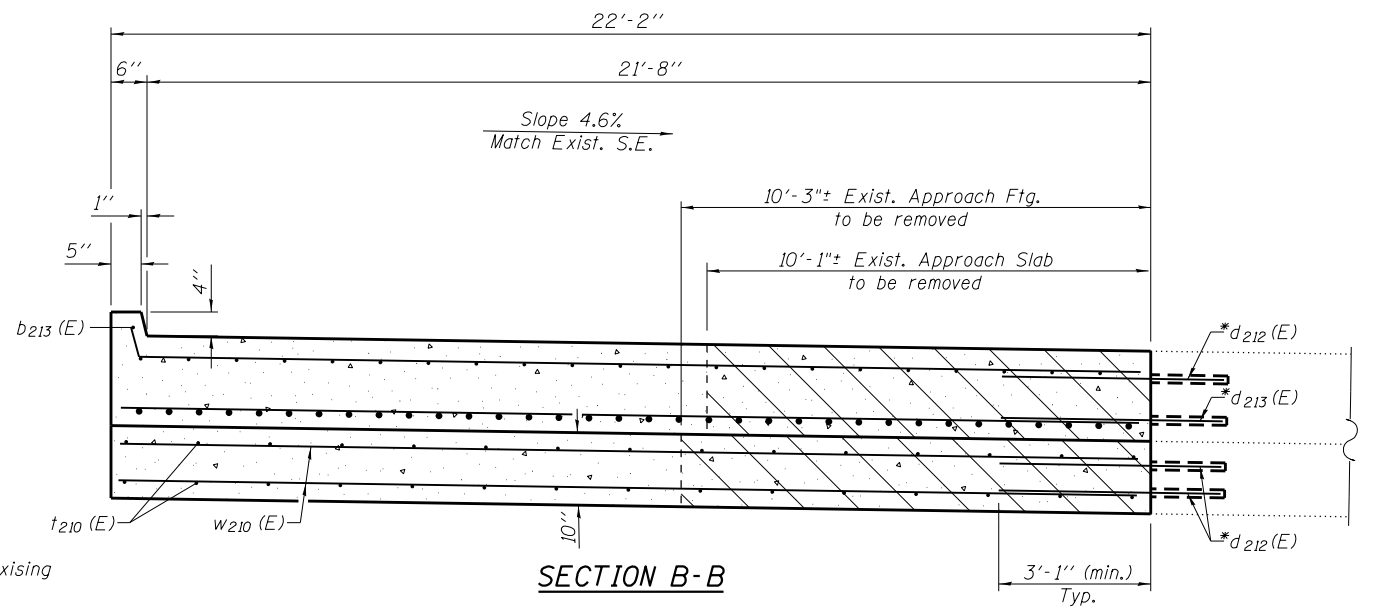


MIN. BAR LAP
 #5 bar = 2'-11"
 #8 bar = 5'-5"

PLAN



SECTION A-A



SECTION B-B

BAIA-CIP-34FS-0 07-22-16



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...\\98850-0062.012-App Slab Dtl.s 1.dgn	CHECKED LM	REVISED
PLOT SCALE =	DRAWN GLD	REVISED
PLOT DATE =	CHECKED WLB	REVISED

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**APPROACH SLAB DETAILS 1
 STRUCTURE NO. 039-0062**

SHEET NO. 12 OF 26 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	321	100
CONTRACT NO. 78295				

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