

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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	325	1
		ILLINOIS	CONTRACT NO. 78295	

FOR INDEX OF SHEETS, SEE SHEET NO. 3

FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 6-19

FOR STRUCTURAL PAVEMENT DESIGN INFORMATION, SEE SHEET NO. 21

PROPOSED HIGHWAY PLANS

TRAFFIC DATA

IL 13 2017 ADT = 27090 WITH 6.6% TRUCKS

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

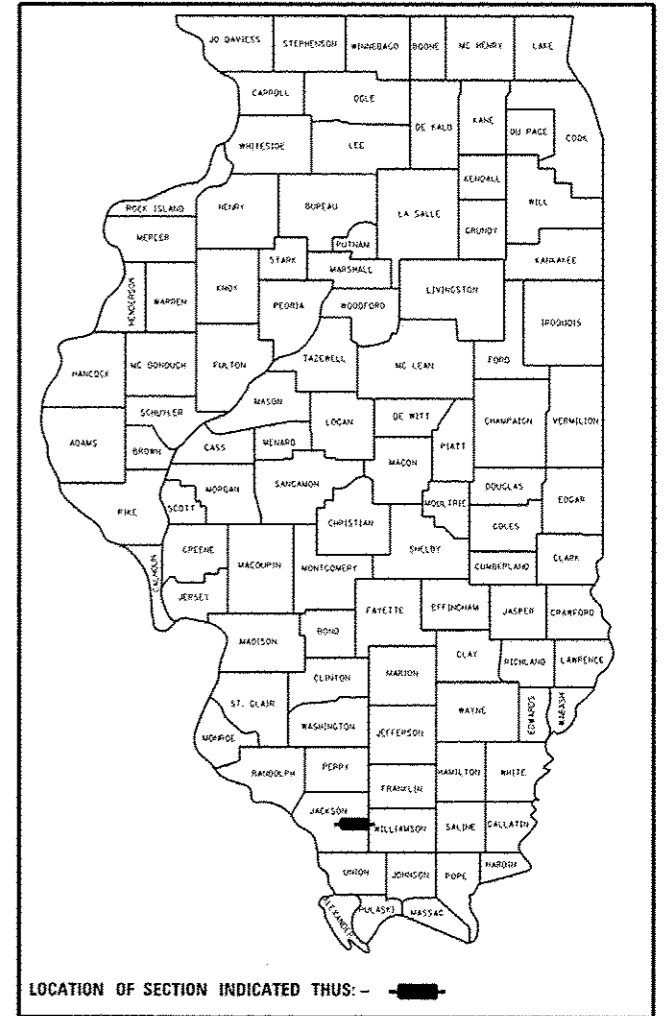
COORDINATE SYSTEM : EPSG:102672 NAD 1983 StatePlane Illinois West FIPS 1202 Feet

POSTED SPEED : 55 MPH

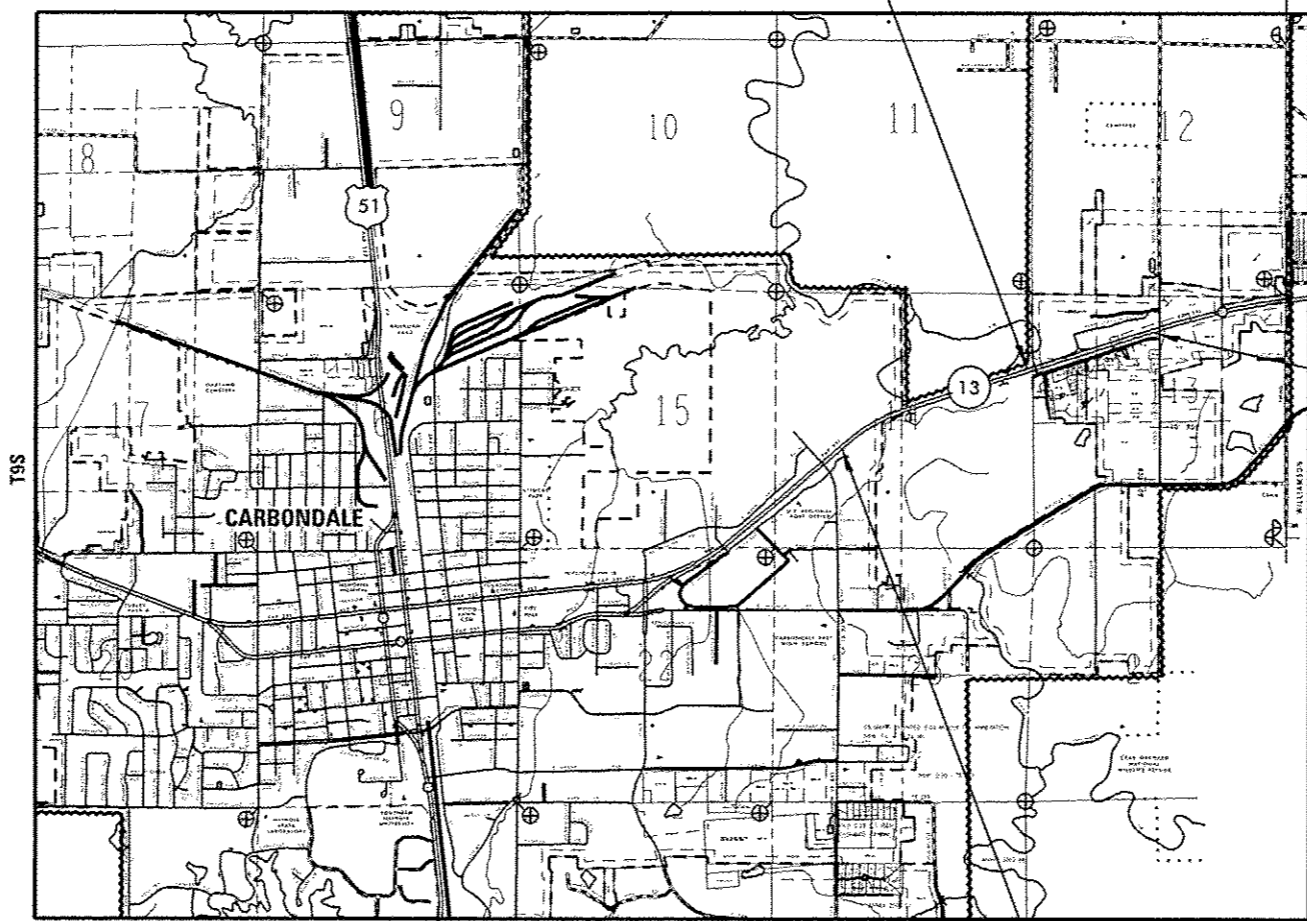
TOWNSHIP: CARBONDALE

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

D-99-019-12

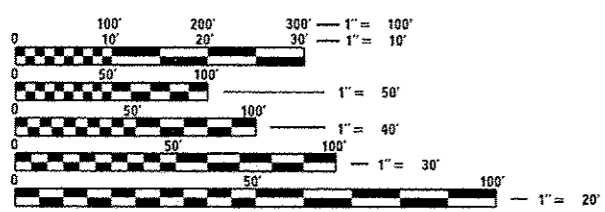


C-99-023-12
END PROPOSED IMPROVEMENT
STA. 94 + 73.60 (IL13WB)



END PROPOSED IMPROVEMENT
STA. 118 + 59.53 (IL13EB)

BEGIN PROPOSED IMPROVEMENT
STA. 51 + 40.15 (IL13WB)
STA. 52 + 78.00 (IL13EB)



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

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

PROJECT ENGINEER PATRICK NAAS
PROJECT MANAGER SUSAN POE

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

GROSS LENGTH = 6581.53 FT. = 1.247 MILE (IL13EB)
NET LENGTH = 6581.53 FT. = 1.247 MILE (IL13EB)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 20 20 17

Jeffrey Z Keem
REGION FIVE ENGINEER

May 12 20 17

Maman M. Addis, PE, etc
ENGINEER OF DESIGN AND ENVIRONMENT

May 12 20 17

[Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

Prepared By: *[Signature]*
DISTRICT STUDIES & PLANS ENGINEER

Examined By: *[Signature]*
DISTRICT LAND ACQUISITION ENGINEER

Examined By: *[Signature]*
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: *[Signature]*
DISTRICT OPERATIONS ENGINEER

Examined By: *[Signature]*
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: *[Signature]*
DISTRICT CONSTRUCTION ENGINEER

Examined By: *[Signature]*
DISTRICT MATERIALS ENGINEER

FILE NAME *	USER NAME = Default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNATURES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
pw\1\084EBIDINTEC\Illinois.gov\PWIDOT\Do	uments\DOT Offices\District 9\Projects\13	ORANN\08478295\CADData\CADsheets\shp	REVISED\ndev.dgn		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	331	15-3R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	2
#MODELNAME*	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -						CONTRACT NO. 78295						
	PLOT DATE = 3/14/2017	DATE -	REVISED -						ILLINOIS FED. AID PROJECT						

LIST OF STANDARDS

- 000001-06 Standard Symbols Abbreviations & Patterns
- 001001-02 Areas of Reinforcement Bars
- 001006 Decimal Of Inch & Foot
- 280001-07 Temporary Erosion Control Sytems
- 420001-08 Pavement Joints
- 420406 Pavement Connector (HMA) For Bridge Approach Slab
- 424001-09 Perpendicular Curb Ramps
- 424006-02 Diagonal Curb Ramps
- 442001-04 Class A Patches
- 482001-02 HMA Shoulder Adjacent To Flexible Pavement
- 515001-03 Name Plate For Bridges
- 542301-03 Precast Reinforced Concrete Flared End Section
- 542541-02 Inlet Box Type 48 A
- 602401-03 Manhole Type A
- 602406-07 Manhole Type A 6 ft Dia
- 602421-05 Manhole Typea 9 Ft Dia
- 602601-04 Precast Rein. Conc. Flat Slab Top
- 604036-03 Grate Type 8
- 606001-06 Conc. Curb Type B & Comb. Conc. C&G
- 630001-11 Steel Plate Beam Guardrail
- 630116 Backside Protection Of Guardrail
- 630201-07 PCC HMA Stabilization At Steel Plate Beam Guardrail
- 630301-07 Shoulder Widening ForType 1 (Special) Guardrail Terminals
- 631031-15 Traffic Barrier Terminal Type6
- 667101-02 Permanent Survey Markers
- 701006-05 Off Road Op - 2L2W - 15ft To EOP
- 701101-05 Off Rd Op-Multi Ln-Less Than 15ft To EOP
- 701301-04 Ln Closure 2L2W-Short Time Operations
- 701336-06 Ln Closure 2L2W-Work Areas In Series 45MPH Or More
- 701400-09 Approach To Lane Closure-Freeway Expressway
- 701401-10 Lane Closure Freeway Expway
- 701422-09 Lane Closure Multi Lane - 45-55MPH
- 701426-09 Lane Closure Multi Lane-Intermittant Or Moving Op 45MPH Or More
- 701601-09 Urban Ln Closure Multi Lane 1way or 2way With Nontrvsable Med
- 701701-10 Urban Ln Closure Multi Ln Intersection
- 701801-06 Sidewalk Corner Or Crosswalk Closure
- 701901-06 Traffic Control Devices
- 704001-08 Temp Conc Barrier
- 725001-01 Object And Terminal Markers
- 780001-05 Typical Pavement Markings
- 781001-04 Typical App Raised Reflective Pavement Markers
- 782006 Guardrail And Barrier Wall Reflector Mounting Details
- 601101-02 Concrete Headwall For Pipe Underdrains**

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FILE NAME =	USER NAME = noasdp	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:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\13.04\Drawings\78295\CADData\CADsheets\sheet\REVISED\index.dgn	PLotted	CHECKED -	REVISED -			331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	3
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			CONTRACT NO. 78295		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 5/11/2017			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.

TRENCH BACKFILL REQUIRED FOR STORM SEWER, SANITARY SEWER, OR WATER MAINS SHALL ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.

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 OR MANHOLES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET OR MANHOLE, STORM SEWER PIPE SHALL BE PLACED OR CUT FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTAR TO PROVIDE A SMOOTH ROUNDED OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES OF THE STORM SEWERS OR STRUCTURES INVOLVED.

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.

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) 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:	QCQA
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		
			LOCATION:	ROADWAY	MULTI-USE PATH	STRUCTURES
			TOTAL QUANTITY	0003	0028	0010
				URBAN	URBAN	URBAN
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY			
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	1.03	1.03		
20200100	EARTH EXCAVATION	CU YD	12715	12659	56	
20400100	BORROW EXCAVATION	CU YD	76822	59174	17648	
20800150	TRENCH BACKFILL	CU YD	47		47	
25000115	SEEDING, CLASS 1B	ACRE	12.56	12.56		
25000350	SEEDING, CLASS 7	ACRE	12.56	12.56		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2010	2010		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1507	1507		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1507	1507		
25000700	AGRICULTURAL GROUND LIMESTONE	TON	25.1	25.1		

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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
					URBAN	URBAN	URBAN
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY				
25100115	MULCH, METHOD 2	ACRE	25.12	25.12			
25100630	EROSION CONTROL BLANKET	SO YD	60800	60800			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	28017	28017			
28000305	TEMPORARY DITCH CHECKS	FOOT	910	910			
28000400	PERIMETER EROSION BARRIER	FOOT	6366	6366			
28000500	INLET AND PIPE PROTECTION	EACH	8	8			
28100107	STONE RIPRAP, CLASS A4	SO YD	3382				3382
28100109	STONE RIPRAP, CLASS A5	SO YD	1426				1426
28100207	STONE RIPRAP, CLASS A4	TON	22	22			
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	80	80			
28200200	FILTER FABRIC	SO YD	4285				4285
31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SO YD	37989	37989			

SUMMARY OF QUANTITIES - CONT

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

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	MULTI-USE PATH	STRUCTURES
40600285	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	POUND	85475	85475		
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	30181	30181		
40600990	TEMPORARY RAMP	SO YD	162	162		
40603570	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	2103	2103		
40701926	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12 1/4"	SO YD	15363	15363		
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SO YD	601	601		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	67525		67525	
42400800	DETECTABLE WARNINGS	SO FT	80		80	
44000100	PAVEMENT REMOVAL	SO YD	2728	2728		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	23762	23762		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	109		109	
44000600	SIDEWALK REMOVAL	SO FT	479		479	

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SUMMARY OF QUANTITIES - CONT

		COUNTY: JACKSON		
		ROUTE: FAP 331		
		FUNDING: 80% FED / 20% STATE		
		ROADWAY	MULTI-USE PATH	STRUCTURES
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TOTAL QUANTITY
			0003 URBAN	0028 URBAN
			0010 URBAN	
44004250	PAVED SHOULDER REMOVAL	SO YD	14692	14692
44200565	CLASS A PATCHES, TYPE II, 11 INCH	SO YD	88	88
44200620	CLASS A PATCHES, TYPE II, 14 INCH	SO YD	30	30
44213000	PATCHING REINFORCEMENT	SO YD	118	118
44213200	SAW CUTS	FOOT	897	897
48203046	HOT-MIX ASPHALT SHOULDERS, 12 1/4"	SO YD	18986	18986
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	4	4
50104650	SLOPE WALL REMOVAL	SO YD	866	866
50200100	STRUCTURE EXCAVATION	CU YD	641	641

SUMMARY OF QUANTITIES - CONT

				COUNTY: JACKSON		
				ROUTE: FAP 331		
				FUNDING: 80% FED / 20% STATE		
				ROADWAY	MULTI-USE PATH	STRUCTURES
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0003 URBAN	0028 URBAN	0010 URBAN
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
50300100	FLOOR DRAINS	EACH	58			58
50300225	CONCRETE STRUCTURES	CU YD	1597.4			1597.4
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	12788	104	7667	5017
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	459.8			459.8

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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
				URBAN	URBAN	URBAN
CODE NUMBER	ITEM DESCRIPTION	UNIT				
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, IL27N	FOOT	1004			1004
50401315	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, IL36N	FOOT	1707			1707
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	723850		3990	719860
50800515	BAR SPLICERS	EACH	86			86
50800530	MECHANICAL SPLICERS	EACH	736			736
50901750	PARAPET RAILING	FOOT	391			391
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

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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
				URBAN	URBAN	URBAN
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	SQ FT	496			496
54002020	EXPANSION BOLTS 3/4 INCH	EACH	88	68	20	
54003000	CONCRETE BOX CULVERTS	CU YD	189	174	15	

12

SUMMARY OF QUANTITIES - CONT

				COUNTY:	JACKSON		
				ROUTE:	FAP 331		
				FUNDING:	80% FED / 20% STATE		
				LOCATION:	ROADWAY	MULTI-USE PATH	STRUCTURES
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0003 URBAN	0028 URBAN	0010 URBAN	
542A0235	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	143		143		
542A0241	PIPE CULVERTS, CLASS A, TYPE 1 36"	FOOT	40	40			
5421A012	PIPE CULVERTS, CLASS A, TYPE 1 12" (TEMPORARY)	FOOT	351	351			
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2		2		
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2	2			
54248510	CONCRETE COLLAR	CU YD	3	3			
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	8	8			
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	14	14			
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	16	16			
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	281	281			
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	116	116			
550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	434		434		

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SUMMARY OF QUANTITIES - CONT

				COUNTY:	JACKSON		
				ROUTE:	FAP 331		
				FUNDING:	80% FED / 20% STATE		
				LOCATION:	ROADWAY	MULTI-USE PATH	STRUCTURES
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0003	0028	0010	
				URBAN	URBAN	URBAN	
67100100	MOBILIZATION	LSUM	1	1			
70100315	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	EACH	1	1			
70100350	TRAFFIC CONTROL AND PROTECTION, STANDARD 701101	EACH	1	1			
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	LSUM	1	1			
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	LSUM	1	1			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1		1		
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1		1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	167	167			
70200100	NIGHTTIME WORK ZONE LIGHTING	LSUM	1	1			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	61200	61200			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	20400	20400			
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	12	12			

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SUMMARY OF QUANTITIES - CONT

				COUNTY:	JACKSON		
				ROUTE:	FAP 331		
				FUNDING:	80% FED / 20% STATE		
				LOCATION:	ROADWAY	MULTI-USE PATH	STRUCTURES
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0003 URBAN	0028 URBAN	0010 URBAN	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	30065	30065			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	236	236			
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	4	4			
* 72000100	SIGN PANEL - TYPE 1	SO FT	11		11		
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	12	12			
* 72900100	METAL POST - TYPE A	FOOT	33		33		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	83411	83411			
* 78004200	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	SO FT	12	12			
* 78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	30065	30065			
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1859		1859		

12

* SPECIALTY ITEM

SUMMARY OF QUANTITIES - CONT

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

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	MULTI-USE PATH	STRUCTURES
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	236		236	
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	26		26	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	125	125		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	58	58		
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	125	125		
	<i>X1200101</i>	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 8 GRATE, 9 (SPECIAL)	1	1		
	X0322936	REMOVE EXISTING FLARED END SECTION	3	3		
	X0323444	DECORATIVE STEEL RAILING	<i>497</i>			<i>497</i>
	X0325747	BRIDGE DECK CONCRETE CRACK SEALER	900	<i>900</i>		
	X0327979	PAVEMENT MARKING REMOVAL - GRINDING	31127	31062	65	
	X4240440	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH, SPECIAL	1481		1481	
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	1275	1275		

* SPECIALTY ITEM

SUMMARY OF QUANTITIES - CONT

				COUNTY: JACKSON		
				ROUTE: FAP 331		
				FUNDING: 80% FED / 20% STATE		
				ROADWAY	MULTI-USE PATH	STRUCTURES
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0003 URBAN	0028 URBAN	0010 URBAN
X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	467			467
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1		
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	1500	1500		
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	10203	10203		
X7050167	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	4	4		
Z0001600	APPROACH SLAB REPAIR	SO YD	5	5		
Z0003615	REMOVAL OF EXISTING CONCRETE I-BEAM	EACH	6			6
Z0018905	DRILL AND GROUT BARS	EACH	806			806
Z0034105	MATERIAL TRANSFER DEVICE	TON	25666	25666		
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	424			424
Z0046306	PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT	132			132
* Z0054517	ROCK FILL - FOUNDATION	TON	31	31		

* SPECIALTY ITEM

SUMMARY OF QUANTITIES - CONT

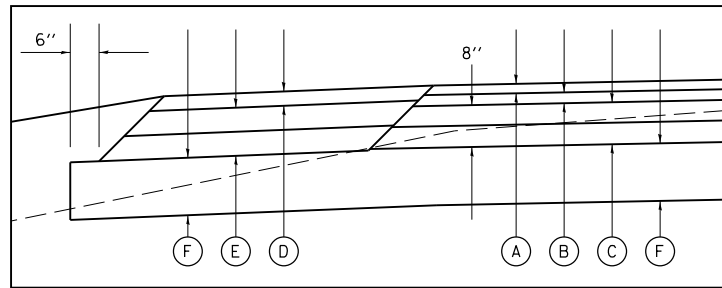
COUNTY:	JACKSON		
ROUTE:	FAP 331		
FUNDING:	80% FED / 20% STATE		
LOCATION:	ROADWAY	MULTI-USE PATH	STRUCTURES
TOTAL QUANTITY	0003 URBAN	0028 URBAN	0010 URBAN

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY			
X1700025	CLASS C PATCHES, TYPE II, 11 INCH (SPECIAL)	SO YD	144	144		
X1700027	CLASS C PATCHES, TYPE II, 14 INCH (SPECIAL)	SO YD	227	227		
φ 20076600	TRAINEES	HOUR	1500	1500		
X1700026	CLASS C PATCHES, TYPE IV, 11 INCH (SPECIAL)	SO YD	67	67		
φ 20076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1500	1500		

φ 0042

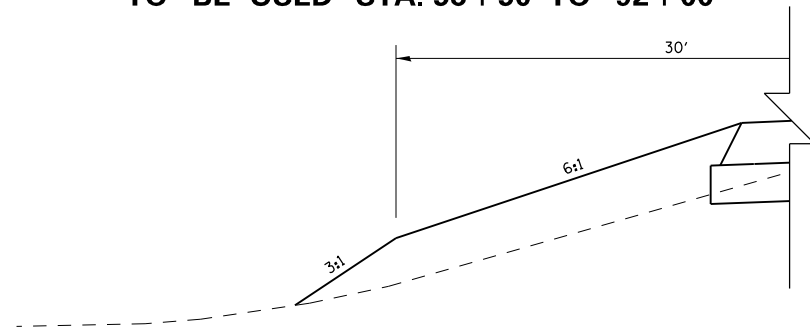
REV

PAVING DETAIL FOR LANE ADDITON

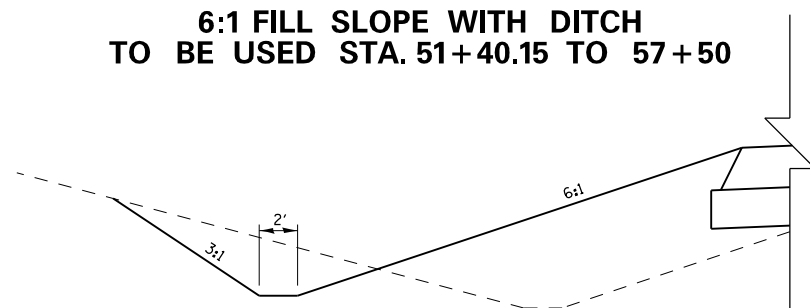


- (A) POLYMERIZED HMA SURFACE COURSE, MIX E, N90, 1 1/2"
 - (B) POLYMERIZED HMA BINDER COURSE, N90, IL-19.0, 2 3/4"
 - (C) HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0
 - (D) HOT-MIX ASPHALT SHOULDERS, IL-9.5L, 3" MAX
 - (E) HOT-MIX ASPHALT SHOULDERS, IL-19.0L
 - (F) PROPOSED SUBBASE GRANULAR MATERIAL, 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 92+00

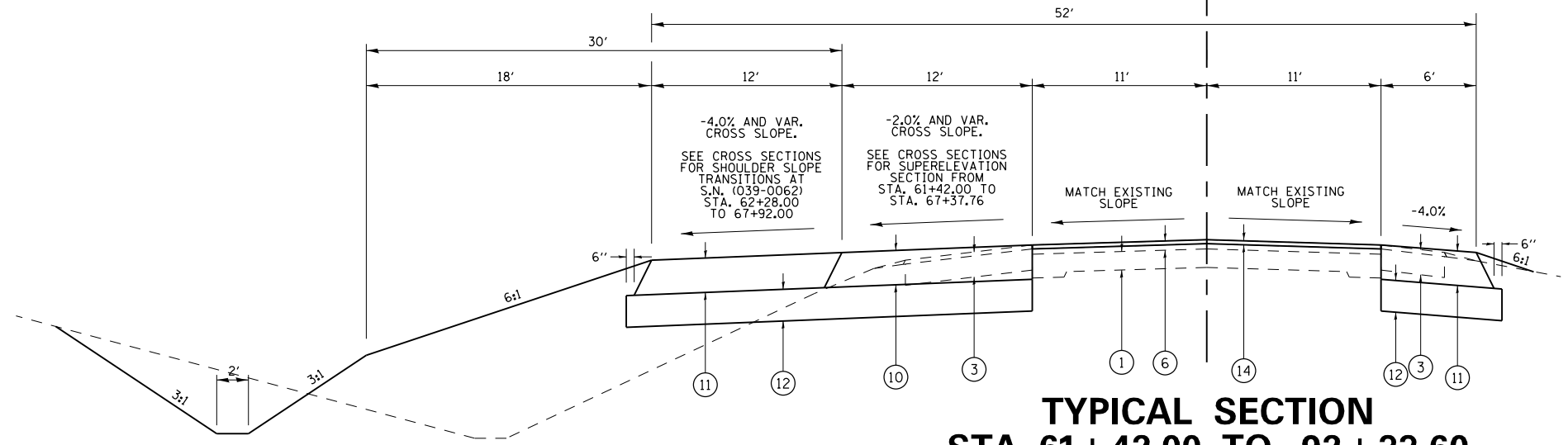


6:1 FILL SLOPE WITH DITCH
TO BE USED STA. 51+40.15 TO 57+50



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

IL RTE 13
(WESTBOUND)
LOOKING EAST

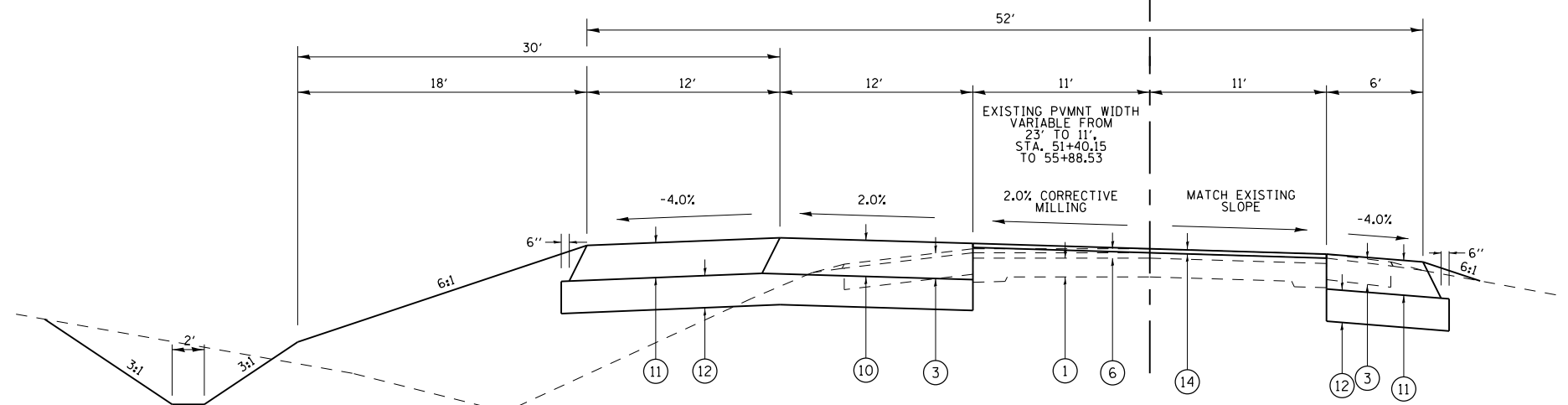


TYPICAL SECTION
STA. 61+42.00 TO 92+33.60

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 C, N70, 1 1/2"

IL RTE 13
(WESTBOUND)
LOOKING EAST



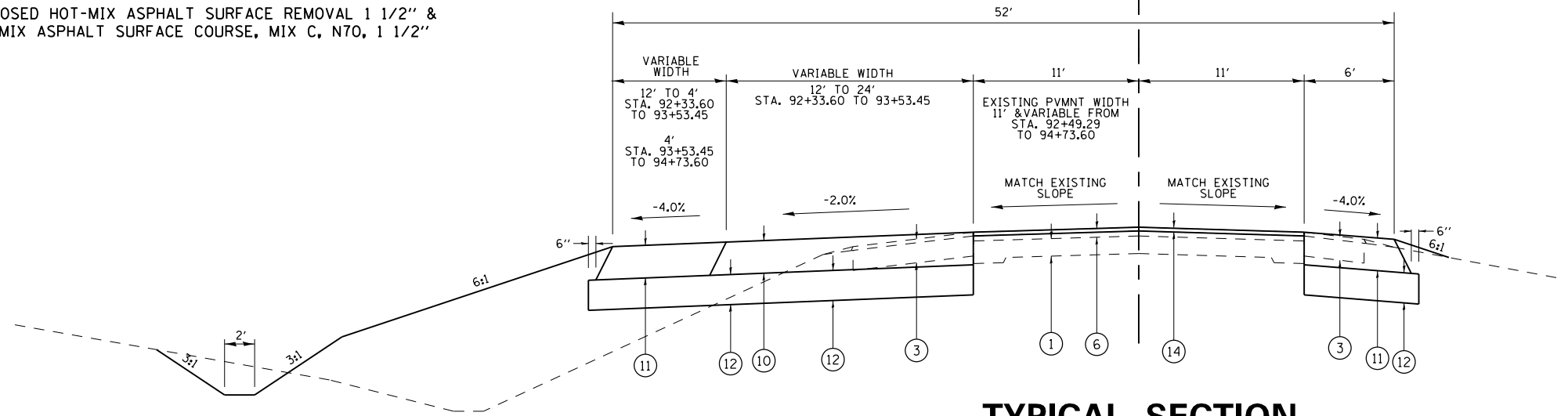
TYPICAL SECTION
STA. 51+40.15 TO 61+42.00

FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICALS (IL13 WEST BOUND)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\13.dgn	DRW	REVISED	REVISED			331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	20	
PLOT SCALE = 10.0000 / in.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 78295					
Default	DATE -	REVISED -	REVISED -			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 4"
- ⑭ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2" & HOT-MIX ASPHALT SURFACE COURSE, MIX C, N70, 1 1/2"

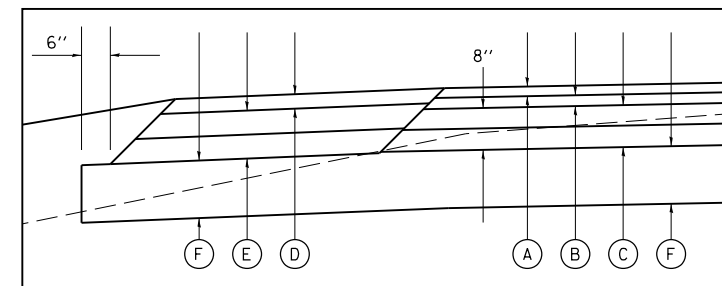

**IL RTE 13
(WESTBOUND)
LOOKING EAST**



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

STRUCTURAL DESIGN TRAFFIC:		Year <u>2027</u>
PV = <u>28,766</u>	SU = <u>1,692</u>	MU = <u>997</u>
ROAD/STREET CLASSIFICATION:		Class <u>CLASS I</u>
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:		
P = <u>8%</u>	S = <u>37%</u>	M = <u>37%</u>
TRAFFIC FACTOR: Actual TF = <u>5.23</u>		AC Type = _____
Minimum TF = <u>5.85</u>		
PG GRADE: Binder = <u>PG 64-22</u>		Surface = <u>PG 64-22</u>
SUBGRADE SUPPORT RATING:		
SSR = <u>POOR</u>	(Sta. <u>52+78.00</u> to <u>118+59.53</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 -
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\13.0\Drawings\78295\CADDData\CADsheets\shp\REVISED\geopakelements.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = <u>10.0000</u> / in.	CHECKED -	REVISED -
	PLOT DATE = <u>3/24/2017</u>	DATE -	REVISED -

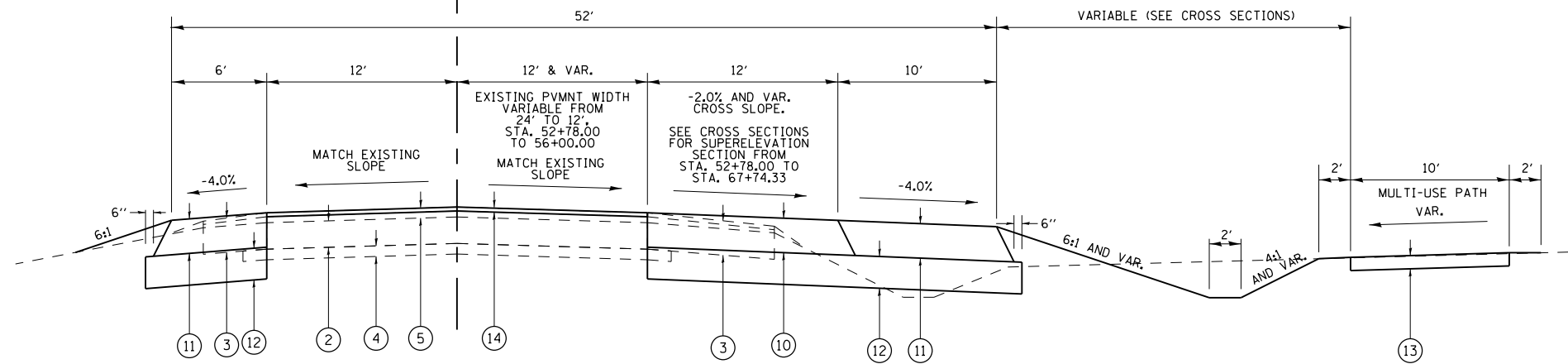
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICALS (IL13 WEST BOUND)

SCALE: SHEET OF SHEETS STA. TO STA.

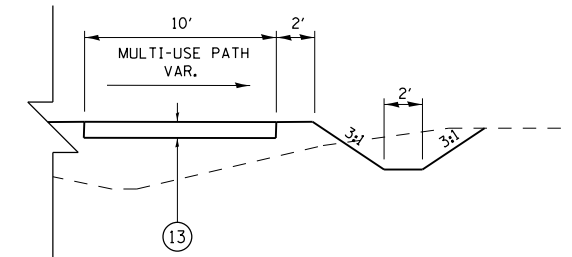
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	21
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				

IL RTE 13
(EASTBOUND)
LOOKING EAST



TYPICAL SECTION
STA. 52+78.00 TO 58+90.10
STA. 92+72.50 TO 94+51.47

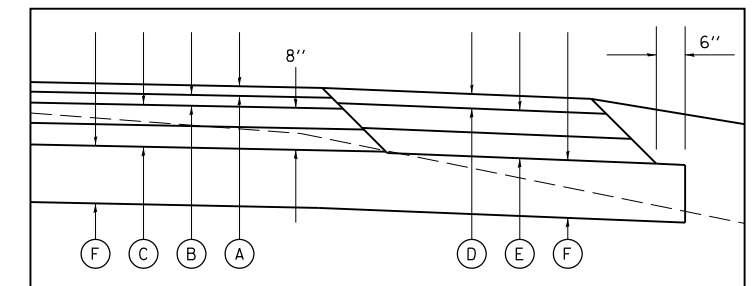
**2' DITCH OUTSIDE OF MULTI-USE PATH
TO BE USED STA. 56+35.00 TO 58+90.10
AND STA. 92+72.50 TO 93+50.00**



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 C, N70, 1 1/2" |

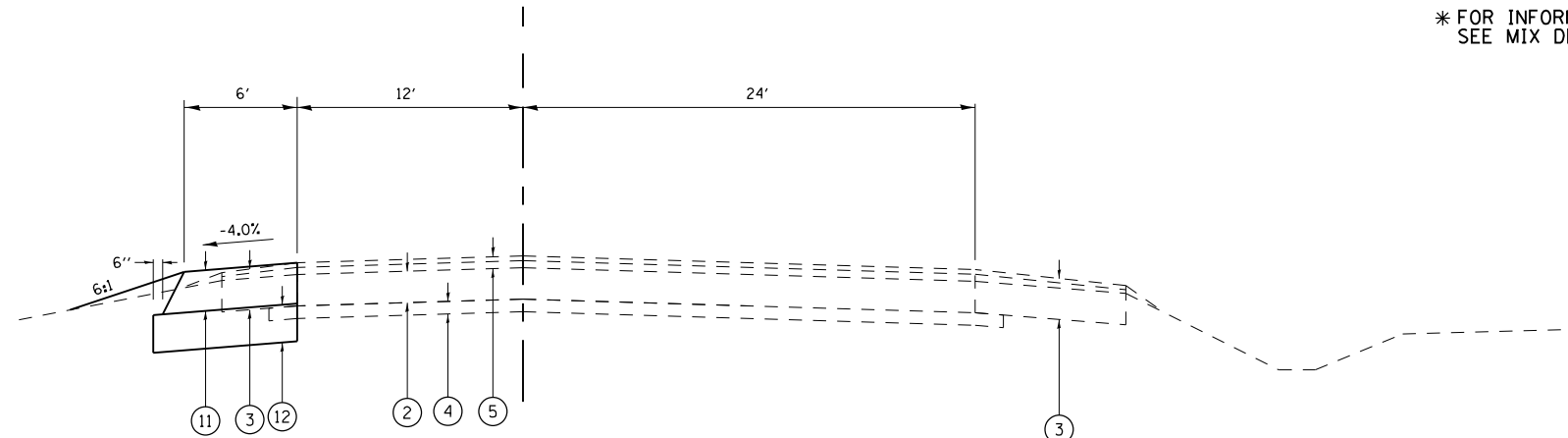
PAVING DETAIL FOR LANE ADDITON



- 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

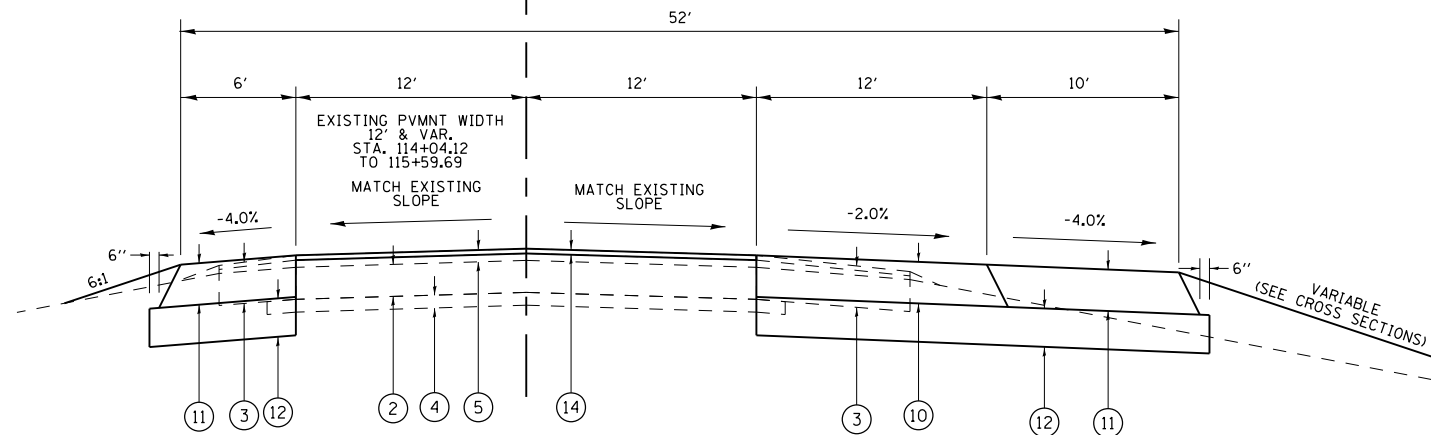
IL RTE 13
(EASTBOUND)
LOOKING EAST



TYPICAL SECTION
STA. 49+25.00 TO 52+78.00

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\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 9\Projects\13.g... DRAWN = 78295\CADDData\CADsheets\sh... REVISED = geopakelements.dgn								331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	22
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 78295				
	PLOT DATE = 3/24/2017	DATE -	REVISED -	SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

IL RTE 13
(EASTBOUND)
LOOKING EAST

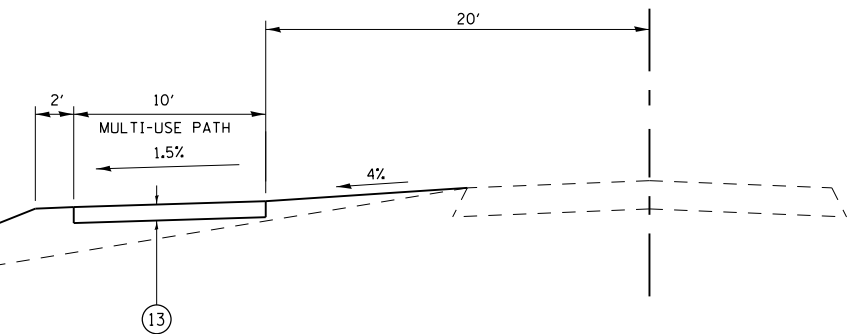


**TYPICAL SECTION
STA. 94 + 51.47 TO 115 + 59.69**

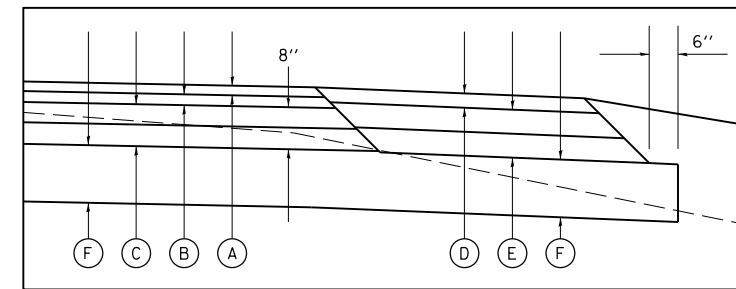
LEGEND

- | | |
|---|--|
| 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 C, N70, 1 1/2" |

SWEETS DRIVE



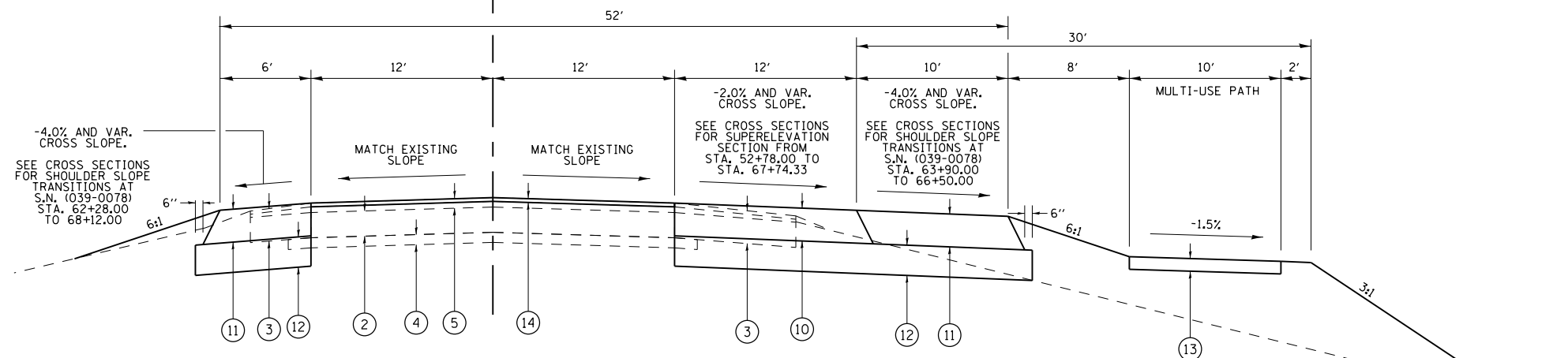
PAVING DETAIL FOR LANE ADDITON



- 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"

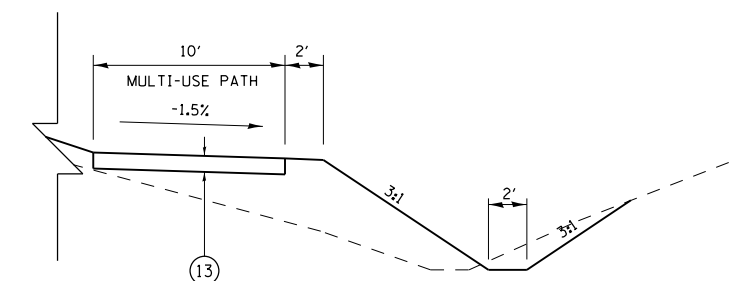
* FOR INFORMATION ONLY - NOT PAY ITEMS
SEE MIX DESIGN TABLES FOR MORE INFORMATION

IL RTE 13
(EASTBOUND)
LOOKING EAST



**TYPICAL SECTION
STA. 58 + 90.10 TO 92 + 72.50**

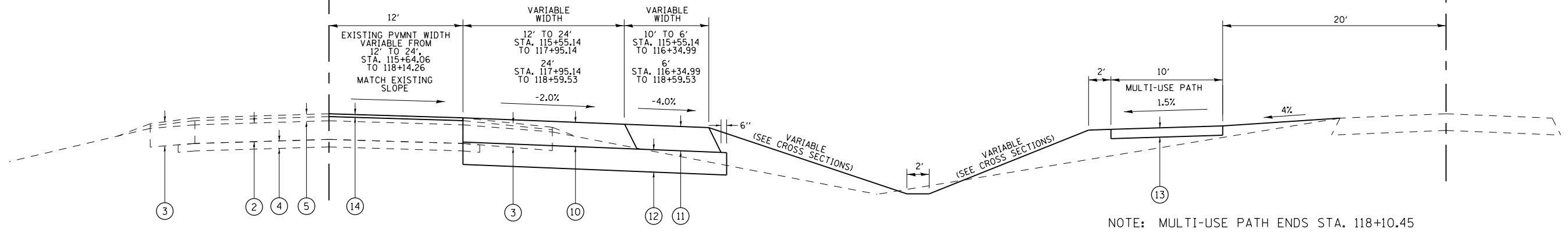
**2' DITCH OUTSIDE OF MULTI-USE PATH
TO BE USED STA. 58+90.10 TO 60+00.00
AND STA. 90+50.00 TO 92+72.50**



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\084EBID\INTEG\Illinois.gov\PIWID\Documents\DOT Offices\District 9\Projects\13.g\Drawings\78295\CADDData\CADsheets\shp\REVISED\13-geopakelements.dgn	PLotted SCALE = 10.0000' / in.	CHECKED -	REVISED -					331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	23
Default	PLOT DATE = 3/24/2017	DATE -	REVISED -		CONTRACT NO. 78295				ILLINOIS FED. AID PROJECT			
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

IL RTE 13
(EASTBOUND)
LOOKING EAST

SWEETS DRIVE



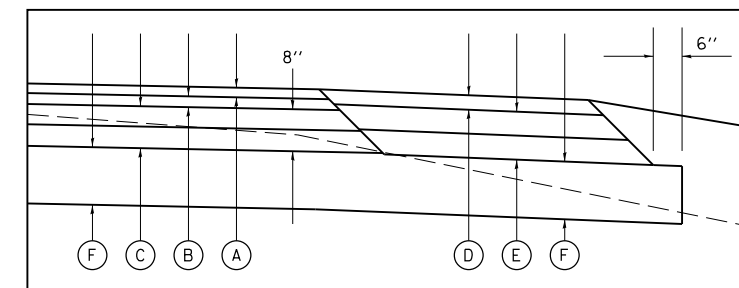
**TYPICAL SECTION
STA. 115+59.69 TO 118+59.53**

NOTE: MULTI-USE PATH ENDS STA. 118+10.45

LEGEND

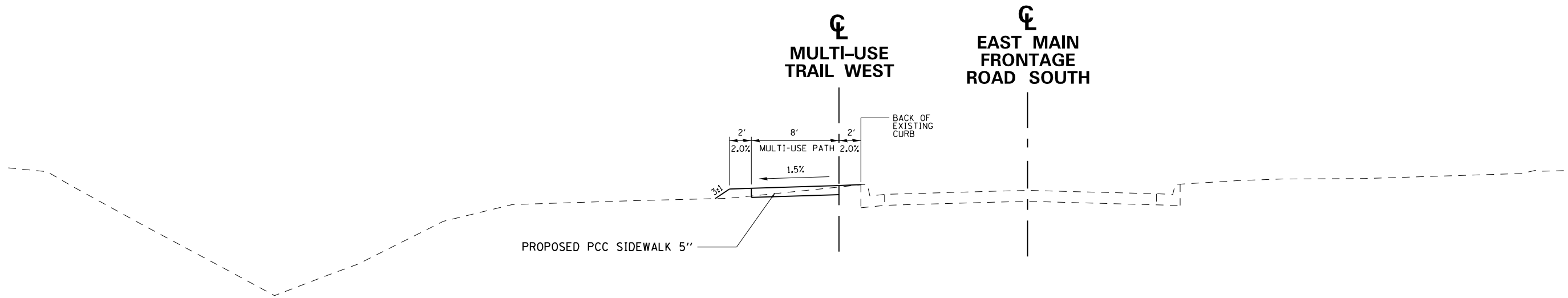
- | | |
|---|--|
| ① EXISTING PCC PAVEMENT 9" - 7" - 9" | ⑥ EXISTING HMA OVERLAY 4" (APPROX) |
| ② EXISTING PCC PAVEMENT
- 7" CRC STA. 49+25.00 TO 64+17.12
- 10" STA. 66+22.88 TO 85+68.62
- 7" CRC STA. 88+75.05 TO 118+59.53 | ⑩ PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12 1/4" |
| ③ EXISTING STABILIZED 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 C, N70, 1 1/2" |

PAVING DETAIL FOR LANE ADDITON



- | |
|---|
| 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



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

FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -
p:\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\13.g	DRAWN =	CHECKED -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	DATE -	REVISED -
	PLOT DATE = 3/24/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICALS (MULTI-USE 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	325	25
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78295	

REMOVAL SCHEDULE

LOCATION STATION TO STATION	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)	CONCRETE HEADWALL REMOVAL (EACH)	REMOVE EXISTING FLARED END SECTION (EACH)	COMMENTS
IL13WB									
51 + 40.15 LT TO 55 + 88.53 LT				340					
51 + 40.15 LT TO 61 + 42.00 LT		1275							VARIABLE MILLING ON EXISTING OUTSIDE IL13WB LANE
51 + 40.15 TO 64 + 50.99	1938		2000						PAVED SHOULDR REM. QUANTITY INCLUDES LT. AND RT. SHOULDERS
63+01.21, 60.62 LT									
66 + 57.58 TO 86 + 46.31	4909		3302						S.N. 039-0062 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 94 + 82.12			938						PAVED SHOULDR REM. QUANTITY INCLUDES LT. AND RT. SHOULDERS
92 + 49.29 LT TO 94 + 73.60 LT				146					
IL13EB									
49 + 25.00 LT TO 64 + 17.12 LT			718						
52 + 78.00 RT TO 64 + 17.12 RT.			1080						
52 + 78.00 TO 64 + 17.12	3016								
52 + 78.00 RT TO 55 + 99.96 RT.				215					
53+78.10, 96.83 RT TO 53+98.15, 100.56 RT						20			
62+74.80, 83.93 RT									
66 + 22.88 TO 85 + 68.62	5127		2726				1		S.N. 039-0078 PAVED SHOULDR REM. QUANTITY INCLUDES LT. AND RT. SHOULDERS
88 + 75.05 TO 118 + 59.53	7501		3928						S.N. 039-0079 PAVED SHOULDR REM. QUANTITY INCLUDES LT. AND RT. SHOULDERS
114 + 12.40 LT TO 115 + 56.69 LT				38					
116 + 12.34 RT TO 118 + 59.53 RT				217					
97+18.22, 42.80 RT									
116+80.20, 42.89 RT									
117+05.80, 69.01 RT									
118+02.62, 44.58 RT									
120+87.11, 69.83 RT									
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			
CONSTRUCTION STAGING CROSSOVER PAVEMENT									
49 + 93.92 EB TO 56 + 95.61 WB				935					EASTBOUND CROSSOVER (WEST END)
91 + 78.74 WB TO 98 + 30.57 EB				837					EASTBOUND CROSSOVER (EAST END)
TOTALS									
	23762	1275	14692	2728	479	109	4	3	

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 12 1/4" (SQ YD)	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH) 12 1/4" (SQ YD)	SUBBASE GRANULAR MATERIAL TYPE A 12" (SQ YD)	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) (POUND)	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) (POUND)	PAVEMENT CONNECTOR (HMA) 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							3787		8521		PRIME COAT QUANT. SHOWN IS 1 APPLICATION
51 + 40.15 RT TO 64 + 50.99 RT	1310.84	VAR							1163		2617		PRIME COAT QUANT. SHOWN IS 1 APPLICATION
51 + 40.15 TO 64 + 50.99	1310.84	22				270				1446			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													
66 + 57.58 TO 66 + 67.58	10.00											30	
66 + 57.58 LT TO 68 + 48.43 LT	190.85	VAR					315			142			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
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
68 + 48.43 LT TO 85 + 75.22 LT	1726.79	12					2302			1036			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
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
85 + 75.22 LT TO 86 + 68.11 LT	92.89	VAR					148			67			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
66 + 57.58 LT TO 86 + 68.11 LT	2010.53	VAR							5795		13039		PRIME COAT QUANT. SHOWN IS 1 APPLICATION
66 + 57.58 RT TO 86 + 34.91 RT	1977.33	VAR							1814		4082		PRIME COAT QUANT. SHOWN IS 1 APPLICATION
66 + 57.58 TO 86 + 46.31	1988.73	22				412				2209			RESURFACING EXISTING LANES, 1 APPLICATION OF TACK COAT
86 + 42.66 TO 86 + 52.66	10.00											53	
S.N. 039-0061													
89 + 60.05 TO 89 + 85.50	25.45											53	
89 + 75.50 LT TO 94 + 73.60 LT	498.10	VAR					618			278			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
89 + 42.30 RT TO 91 + 82.74 RT	240.44	VAR					234			105			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
89 + 63.51 LT TO 92 + 33.60 LT	270.09	12						360		243			TACK COAT QUANT. SHOWN IS 3 APPLICATIONS
91 + 82.74 RT TO 94 + 82.12 RT	299.38	6					200			90			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
92 + 33.60 LT TO 94 + 73.60 LT	240.00	VAR(12-24)								324			TACK COAT QUANT. SHOWN IS 3 APPLICATIONS
89 + 75.50 LT TO 94 + 73.60 LT	498.10	VAR							1549		3485		PRIME COAT QUANT. SHOWN IS 1 APPLICATION
89 + 42.30 RT TO 94 + 82.12 RT	539.82	VAR							532		1197		PRIME COAT QUANT. SHOWN IS 1 APPLICATION
89 + 53.70 TO 94 + 73.60	519.90	22				107				572			RESURFACING EXISTING LANES, 1 APPLICATION OF TACK COAT
IL13EB													
49 + 25.00 LT TO 61 + 63.71 LT	1238.71	6					826			372			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
49 + 25.00 LT TO 64 + 17.02 LT	1492.02	VAR							1349		3035		PRIME COAT QUANT. SHOWN IS 1 APPLICATION
52 + 78.00 RT TO 61 + 98.83 RT	920.83	10					1023			460			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
52 + 78.00 RT TO 64 + 17.12 RT	1139.12	12						1519		1025			TACK COAT QUANT. SHOWN IS 3 APPLICATIONS
52 + 78.00 RT TO 64 + 17.02 RT	1139.02	VAR							3045		6851		PRIME COAT QUANT. SHOWN IS 1 APPLICATION
52 + 78.00 TO 64 + 17.12	1139.12	24				253				1357			RESURFACING EXISTING LANES, 1 APPLICATION OF TACK COAT
53 + 93.99 RT TO 58 + 90.1 RT	496.11	VAR(8-10)		4939	549								TRAIL TRANSITION WEST (VAR. 8' TO 10')
58 + 90.1 RT TO 64 + 08.45 RT	518.35	10		5183	576								
61 + 63.71 LT TO 64 + 17.12 LT	253.41	VAR					250			112			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
61 + 98.83 RT TO 64 + 17.12 RT	218.29	VAR					310			140			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
64 + 08.45 RT TO 64 + 45.47 RT	37.02	10	370		41								
64 + 07.12 TO 64 + 17.12	10.00											64	
S.N. 039-0078													
65 + 94.53 RT TO 66 + 31.55	37.02	10	370		41								
66 + 22.88 TO 66 + 32.88	10.00											58	
66 + 31.55 RT TO 85 + 33.99 RT	1902.44	10		19024	2114								
66 + 22.88 LT TO 83 + 37.66 LT	1714.78	6					1143			514			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
66 + 22.88 RT TO 83 + 30.14 RT	1707.26	10					1897			854			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
66 + 22.88 RT TO 85 + 58.23 RT	1935.35	12						2580		1742			TACK COAT QUANT. SHOWN IS 3 APPLICATIONS
66 + 22.88 LT TO 85 + 80.60 LT	1957.72	VAR							1734		3902		PRIME COAT QUANT. SHOWN IS 1 APPLICATION
66 + 22.88 RT TO 85 + 48.08 RT	1925.20	VAR							5139		11563		PRIME COAT QUANT. SHOWN IS 1 APPLICATION
66 + 22.88 TO 85 + 68.62	1945.74	24				431				2307			RESURFACING EXISTING LANES, 1 APPLICATION OF TACK COAT

PAVING SCHEDULE CONTINUED

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 12 1/4" (SQ YD)	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH) 12 1/4" (SQ YD)	SUBBASE GRANULAR MATERIAL TYPE A 12" (SQ YD)	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) (POUND)	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) (POUND)	PAVEMENT CONNECTOR (HMA) FOR BRIDE APPROACH SLAB (SQ YD)	COMMENTS
83 + 30.14 RT TO 85 + 48.08 RT	217.94	VAR					316			142			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
83 + 37.66 LT TO 85 + 80.60 LT	242.94	VAR					236			106			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
85 + 33.99 RT TO 85 + 71.01 RT	37.02	10	370		41								
85 + 37.40 TO 85 + 68.62												170	
													S.N. 039-0079
88 + 55.42 RT TO 115 + 55.14 RT	2699.72	10					3000			1350			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
88 + 55.42 RT TO 118 + 59.53 RT	3004.11	VAR							8000		18000		PRIME COAT QUANT. SHOWN IS 1 APPLICATION
88 + 64.66 RT TO 115 + 55.14 RT	2690.48	12						3587		2421			TACK COAT QUANT. SHOWN IS 3 APPLICATIONS
88 + 71.21 TO 118 + 59.53	2988.32	VAR(24-12)				630				3376			RESURFACING EXISTING LANES, 1 APPLICATION OF TACK COAT
88 + 20.04 RT TO 88 + 57.06 RT	37.02	10	370		41								
88 + 75.05 TO 88 + 95.44												145	
88 + 57.06 RT TO 92 + 72.5 RT	415.44	10		4154	462								
88 + 85.44 LT TO 115 + 59.69 LT	2674.25	VAR							2268		5103		PRIME COAT QUANT. SHOWN IS 1 APPLICATION
88 + 85.44 LT TO 115 + 59.69 LT	2674.25	6					1783			802			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
92 + 72.5 RT TO 94 + 51.47 RT	178.97	10		1816	202								TRAIL TRANSITION EAST
94 + 51.47 RT TO 118 + 10.45 RT	2358.98	10		23689	2632								
115 + 55.14 RT TO 118 + 59.53 RT	304.39	VAR					221			99			TACK COAT QUANT. SHOWN IS 2 APPLICATIONS
115 + 55.14 RT TO 117 + 95.14 RT	240.00	VAR(12-24)						480		324			TACK COAT QUANT. SHOWN IS 3 APPLICATIONS
117 + 95.14 RT TO 118 + 59.53 RT	64.39	24						172		116			TACK COAT QUANT. SHOWN IS 3 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													
49 + 93.92 EB TO 56 + 95.61 WB		26 & VAR						935	955	631	2149		EASTBOUND CROSSOVER (WEST END)
91 + 78.74 WB TO 98 + 30.57 EB		26 & VAR						837	859	565	1933		EASTBOUND CROSSOVER (EAST END)
TOTALS				1481	67525	7667	2103	18986	15363	37989	30181	85475	601

EARTHWORK SCHEDULE

LOCATION STATION TO STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE(+) OR SHORTAGE(-) (CU YD)	EXCAVATION REQUIRED TO COMPLETE (CU YD)	BORROW EXCAVATION (CU YD)
IL13 WB						
51+40.15 TO 64+50.99	2050	1537	6799	-5262	5262	7016
66+57.58 TO 86+46.31	2207	1655	14593	-12938	12938	17251
89+53.70 TO 94+73.60	863	647	1844	-1197	1197	1596
IL13 EB						
49+25.00 TO 64+17.12	1687	1265	8293	-7028	7028	9371
66+22.88 TO 85+68.62	1716	1287	17797	-16510	16510	22013
88+75.05 TO 120+87.00	3120	2340	16504	-14165	14165	18886
MULTI-USE TRAIL WEST						
0+00 TO 10+13.19	56	42	177	-136	136	181
EASTBOUND CROSSOVER (STAGING)						
0+00 TO 13+50	371	278	235	43		
42+91 TO 49+76	321	241	95	147		
EASTBOUND CROSSOVER (FINAL)						
0+00 TO 8+50	195	146	357	-211	211	282
42+91 TO 49+76	131	98	268	-169	169	225
TOTALS	12715	9536	66963		57617	76822

25% SHRINKAGE FACTOR FOR EARTH EXCAVATION AND BORROW EXCAVATION

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
IL WB													
51+15 LT TO 64+51 LT	1.39	222.5	166.9	166.9	2.78	2.78	6730	1.39					
51+31 RT TO 64+51 RT	0.07	11.6	8.7	8.7	0.15	0.15	351	0.07					
66+57 LT TO 86+85 LT	2.20	352.2	264.2	264.2	4.40	4.40	10655	2.20					
66+57 RT TO 86+35 RT	0.11	17.4	13.1	13.1	0.22	0.22	527	0.11					
89+41 RT TO 95+01 RT	0.04	5.6	4.2	4.2	0.07	0.07	170	0.04					
89+90 LT TO 94+96 LT	0.38	61.4	46.0	46.0	0.77	0.77	1857	0.38					
51+62 TO 54+26									22				2 @ 11'
57+15 TO 64+34									180				18 @ 10'
92+62 TO 94+95									30				3 @ 10'
51+31 LT TO 51+75 LT											89		
66+58 LT TO 86+86 LT											2036		
89+91 LT 92+50 LT											268		
94+50 LT TO 94+88 LT											74		
63+01, 90' LT										1			
IL EB													
49+21 LT TO 64+17 LT	0.08	12.7	9.5	9.5	0.16	0.16	384	0.08					
52+24 RT TO 64+17 RT	1.37	219.9	164.9	164.9	2.75	2.75	6652	1.37					
66+22 LT TO 85+81 LT	0.11	17.2	12.9	12.9	0.22	0.22	521	0.11					
66+22 RT TO 85+20 RT	1.59	254.9	191.2	191.2	3.19	3.19	7711	1.59					
88+18 RT TO 120+90 RT	3.43	549.3	412.0	412.0	6.87	6.87	16618	3.43					
88+86 LT TO 115+69 LT	0.12	20.0	15.0	15.0	0.25	0.25	604	0.12					
54+09 TO 57+77									132				11 @ 12'
56+64 TO 59+51									132				11 @ 12'
90+00 TO 120+41									360				36 @ 10'
60+50 RT 64+19 RT											367		
66+23 RT TO 85+20 RT											1897		
88+19 RT TO 90+00 RT											181		
56+24, 92' RT										1			
57+81, 94' RT										1			
62+75, 94' RT										1			
97+18, 61' RT										1			
116+93, 56' RT										1			
118+03, 56' 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			1174		
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 3+55 LT	0.04	5.7	4.3	4.3	0.07	0.07	174	0.04					EB CRSVR (WEST END)
1+20 LT TO 1+70 LT											50		
3+10 RT TO 13+35 RT	0.47	75.4	56.5	56.5	0.94	0.94	2280	0.47					EB CRSVR (WEST END)
43+45 RT TO 46+50 RT	0.08	13.3	10.0	10.0	0.17	0.17	402	0.08					EB CRSVR (EAST END)
46+00 LT TO 49+75 LT	0.07	10.9	8.1	8.1	0.14	0.14	328	0.07					EB CRSVR (EAST END)
1+74 TO 13+08									24				3 @ 8'
44+00 TO 48+19									30				3 @ 10'
48+50 LT TO 49+76 LT											126		
44+50, 26' RT										1			
EB CROSSOVER (FINAL)													
1+00 TO 8+15	0.52	82.8	62.1	62.1	1.03	1.03	2504	0.52					EB CRSVR (WEST END)
43+45 TO 49+75	0.29	47.2	35.4	35.4	0.59	0.59	1427	0.29					EB CRSVR (EAST END)
TOTALS	12.56	2010	1507	1507	25.1	25.12	60800	12.56	910	8	6366	28017	

DRAINAGE SCHEDULE

LOCATION STATION TO STATION	PIPE CULVERTS CLASS A TYPE 1 30"	PIPE CULVERTS CLASS A TYPE 1 36"	PIPE CULVERTS CLASS A TYPE 1 12" (TEMP.)	STORM SEWERS CLASS A TYPE 1 15"	STORM SEWERS CLASS A TYPE 1 18"	STORM SEWERS CLASS A TYPE 1 24"	STORM SEWERS CLASS A TYPE 1 30"	STORM SEWERS CLASS A TYPE 1 36"	STORM SEWERS CLASS A TYPE 1 EQUIV. ROUND SIZE 24"	PRECAST REINF. CONCRETE FLARED END SECTION 36"	PRECAST REINF. CONCRETE FLARED END SECTION 30"	MANHOLE TYPE A 5' DIA. TYPE 8 GRATE	MANHOLE TYPE A 6' DIA. TYPE 8 GRATE	MANHOLE TYPE A 9' DIA. TYPE 8 GRATE (SPECIAL)	CONC. COLLAR	TRENCH BACKFILL	COMB. CONC. C&G TYPE B-6.12	COMB. CONC. C&G TYPE B-6.18	COMB. CONC. C&G TYPE B-6.24	CONC. BOX CULVERT	STONE DUMPED RIPRAP CLASS A4	STONE RIPRAP CLASS A4	ROCK- FILL FOUND.	REINF. BARS. EPOXY COATED	EXPAN. BOLTS 3/4 INCH	PROT. COAT		
	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(CU YD)	(CU YD)	(FOOT)	(FOOT)	(FOOT)	(CU YD)	(TONS)	(TONS)	(TONS)	(POUNDS)	(EACH)	(SQ YD)		
IL13WB																												
63+01.21, 60.62 LT TO 63+01.21, 86.73 LT		26.1													0.66													
63+01.21, 86.73 LT										1																		
77+00.61 LT (10X10 BOX CULVERT)																				79.7	80.0		31.0	12365	24	36.7		
IL13EB																												
53+78.10, 96.83 RT TO 53+98.15, 100.56 RT																	20										4.4	
56+29.35, 92.22 RT TO 57+74.77, 94.16 RT	142.7															46.7												
56+29.35, 92.22 RT											1																	
57+74.77, 94.16 RT											1																	
62+75.00, 83.42 RT TO 62+74.87, 97.18 RT		13.8													0.66													
76+67.84 RT (10X10 BOX CULVERT)																				79.7			18.0		12365	24	36.7	
93+06.07, 35.34 LT TO 96+57.49, 38.70 LT			351.4																									
97+18.22, 42.80 RT TO 97+18.15, 58.70 RT						15.9						1																
97+20.64, 61.20 RT TO 101+54.88, 61.20 RT									434.2																			
101+56.84 RT (4X3 BOX CULVERT)																				12.8			2.0		3180	20		
104+82.88 RT (5X3 BOX CULVERT)																				16.5			2.0		4800	20		
116+80.21, 42.89 RT TO 116+89.90, 52.78 RT								13.8							0.66													
116+93.05, 55.99 RT														1														
116+96.20, 59.20 RT TO 117+05.83, 69.01 RT					13.7										0.32													
116+97.55, 55.99 RT TO 117+99.68, 55.99 RT									102.1																			
118+02.62, 44.58 RT TO 118+02.67, 52.99 RT				8.4											0.29													
118+05.68, 56.16 RT TO 120+87.11, 69.83 RT							280.9																					
GIANT CITY RD.																												
96+46.64, 30.48 RT TO 96+98.78, 53.94 RT																		62									16.9	
96+72.75, 30.92 LT TO 96+84.12, 34.65 LT																											3.9	
97+47.68, 65.40 RT TO 97+56.48, 53.90 RT																											4.9	
TOTALS																												
	143	40	351	8	14	16	281	116	434	2	2	1	1	1	3.0	47	20	62	27	188.6	80	22	31	32710	88	104		

PAVEMENT MARKING

LOCATION STATION TO STATION	LENGTH (FEET)	PERFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID								MODIFIED URETHANE PAVEMENT MARKING			COMMENTS	
		LINE 4" (FOOT)								LETTERS & SYMBOLS (SQ FT)	LINE 4" SKIP DASH YELLOW (FOOT)	LINE 6" SOLID WHITE (FOOT)		LINE 24" SOLID WHITE (FOOT)
		E.O.P.		SKIP DASH WHITE	SKIP DASH WHITE	SKIP DASH WHITE	SOLID 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 115 + 60	6860	6860											INSIDE EOP	
47 + 00 TO 118 + 60	7160					1790							CENTER LINE	
47 + 00 TO 118 + 60	7160				1790								THROUGH LANE	
117 + 95 TO 118 + 60	65						65						RIGHT TURN LANE	
47 + 00 TO 118 + 60	7160							7160					OUTSIDE EOP	
118+40									11.8				RIGHT TURN LANE "ONLY"	
MULTI-USE TRAIL														
0+00 (MULTI-USE TRAIL WEST) TO 46+75 (SWEETS DR.)	7436									1859				
GIANT CITY ROAD														
96+73.74, 29.04 LT TO 96+73.74, 30.00 RT											59.0		PEDESTRIAN CROSSING	
96+79.74, 30.53 LT TO 96+79.74, 32.18 RT											62.7		PEDESTRIAN CROSSING	
96+94.83, 44.14 RT TO 97+36.75, 44.14 RT TO 97+51.98, 55.76 RT											61.0		PEDESTRIAN CROSSING	
96+98.66, 50.14 RT TO 97+34.72, 50.14 RT TO 97+48.33, 60.52 RT											53.2		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	
SUBTOTALS		6860	5200	1200	2990	1790	65	4800	7160	12	1859	236	26	
TOTALS														

SIGNING SCHEDULE (MULTI-USE PATH)

LOCATION STATION TO STATION	SIGN PANEL TYPE 1 "BIKE ROUTE" D11-1 (SQ FT)	SIGN PANEL TYPE 1 AHEAD ARROW M6-3 (SQ FT)	METAL POST TYPE A (FOOT)
MULTI-USE TRAIL WEST			
0+65.00, 1.00 RT	3.0	0.8	11.0
10+08.00, 10.00 LT	3.0		11.0
SWEETS DR.			
46+25.00, 32.00 LT	3.0	0.8	11.0
TOTALS	9	1.6	33

PAVEMENT MARKING (IL13WB 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)		
IL 13 WB									
STAGE 1									
51 + 40 TO 94 + 74	4334		4334	4334		4334		1806	REMOVE EXISTING C.L. & OUTSIDE E.O.P.
STAGE 2									
49 + 00 TO 97 + 00	4800				4800	4800	4800	4489	REMOVE EXST. INSIDE EOP AND 2 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					
49 + 00 TO 97 + 00								9733	REMOVE ALL REMAINING PAVEMENT MARKING AFTER STAGE 5 AND PLACE SHORT TERM IN FINAL LANE LINES
SUBTOTALS		4800	9134	9134	5200	9134	4800		
TOTALS					42202			16028	

-STAGE 2 IL13WB PAVEMENT MARKINGS WILL REMAIN IN PLACE AND BE USED FOR STAGE 5 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 & 5 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.

PAVEMENT MARKING (IL13EB 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)		
IL 13 EB									
STAGE 1									
49 + 25 TO 52 + 78	353			353		353	353	147	REMOVE EXISTING C.L. & OUTSIDE E.O.P.
94 + 00 TO 115 + 60	2160			2160		2160	2160	900	REMOVE EXISTING C.L. & OUTSIDE E.O.P.
STAGE 2									
49 + 25 TO 52 + 78	353			353	88	353		353	REMOVE ALL STAGE 1 PAVEMENT MARKING AND REPLACE ORIGINAL LANE LINES
94 + 00 TO 115 + 60	2160			2160	540	2160		2160	REMOVE ALL STAGE 1 PAVEMENT MARKING AND REPLACE ORIGINAL LANE LINES
STAGE 3									
47 + 00 TO 55 + 00	800			800		800	800	600	REMOVE ALL LANE LINES REPLACE WITH 2' SHIFT
92 + 00 TO 101 + 00	900			900		900	900	675	REMOVE ALL LANE LINES REPLACE WITH 2' SHIFT
STAGE 4									
47 + 00 TO 55 + 00	800			800		800	800	800	REMOVE STAGE 3 PAVEMENT MARKING AND REPLACE ORIGINAL LANE LINES
92 + 00 TO 118 + 60	2660		2660	2660		2660		1995	REMOVE STAGE 3 PAVEMENT MARKING (92+00 TO 101+00) AND ALL LANE LINES FROM 101+00 TO 118+60
STAGE 5									
23 + 00 TO 39 + 75	1675						1675		
37 + 79 TO 40 + 07	228						228		
37 + 79 TO 43 + 75	596						596		
44 + 50 TO 48 + 00	350						350		TRANSITION FROM IL13EBCL TO EB CROSSOVER C.L.
48 + 00 TO 48 + 90	90		90	90	90	90			TRANSITION FROM IL13EBCL TO EB CROSSOVER C.L.
0 + 00 TO 8 + 06	806			806	806	806			ALONG EB CROSSOVER C.L. (WEST END)
42 + 82 TO 49 + 76	694			694	694	694			ALONG EB CROSSOVER C.L. (EAST END)
98 + 31 TO 103 + 00	469			469	469	469			ALONG IL13EB C.L.
103 + 00 TO 118 + 60	1560			1560	390	1560		1560	REMOVE STAGE 4 PAVEMENT MARKING AND REPLACE WITH ORIGINAL LANE LINES
45 + 00 TO 118 + 60								5845	REMOVE ALL REMAINING PAVEMENT MARKING AFTER STAGE 5 AND PLACE SHORT TERM IN FINAL LANE LINES
SUBTOTALS		0	2660	13805	3077	14979	6688		
TOTALS					41209			15034	

-STAGE 2 IL13WB PAVEMENT MARKINGS WILL REMAIN IN PLACE AND BE USED FOR STAGE 5 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 & 5 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.

GUARDRAIL

LOCATION STATION TO STATION	GUARDRAIL REMOVAL	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL, TYPE 6	STEEL PLATE BEAM GUARDRAIL TYPE A 6' POSTS	GUARDRAIL MARKERS TYPE A	TERMINAL MARKERS DIRECT APPLIED	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6	TEMPORARY STEEL PLATE BEAM GUARDRAIL TYPE A	COMMENTS
	(FOOT)	(EACH)	(EACH)	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	(FOOT)	
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 68 + 35.68 LT					4					
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 67 + 83.18 LT				100.0						
67 + 83.18 LT TO 68 + 33.18 LT		1				1				
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)
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	
85 + 88.42 LT TO 86 + 38.42 LT						1	1			
85 + 88.42 LT TO 91 + 64.51 LT					8					
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 + 19.49 RT TO 91 + 69.49 RT		1				1				
91 + 14.51 LT TO 91 + 64.51 LT		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					
62 + 11.52 RT TO 66 + 22.88 RT					6					
62 + 11.52 RT TO 62 + 61.52 RT		1				1				
62 + 26.52 LT TO 63 + 89.02 LT				162.5						
62 + 61.52 RT TO 63 + 74.02 RT				112.5						
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 CONTINUED

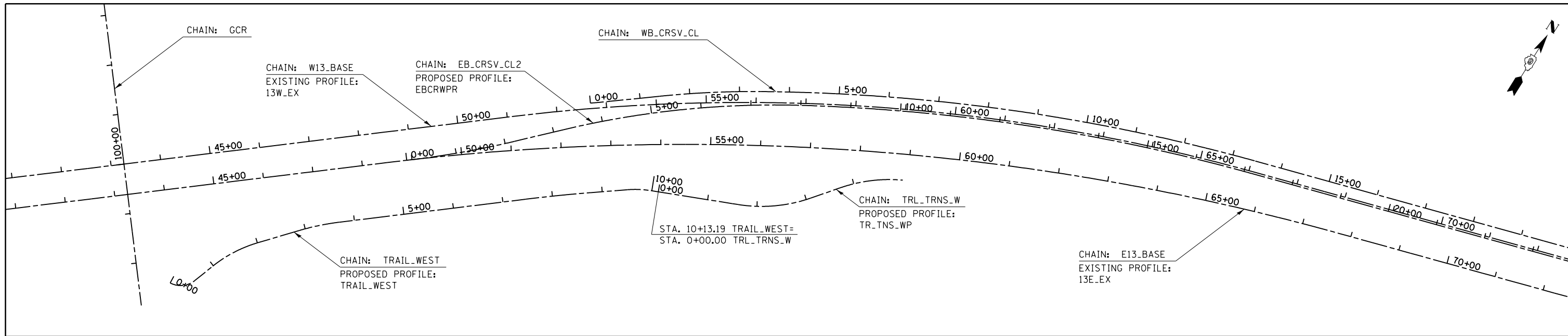
LOCATION STATION TO STATION	GUARDRAIL REMOVAL (FOOT)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	STEEL PLATE BEAM GUARDRAIL TYPE A 6' POSTS (FOOT)	GUARDRAIL MARKERS TYPE A (EACH)	TERMINAL MARKERS DIRECT APPLIED (EACH)	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	TEMPORARY STEEL PLATE BEAM GUARDRAIL TYPE A (FOOT)	COMMENTS
IL13EB SN 039-0079										
83 + 43.39 RT TO 83 + 93.39 RT		1				1				
83 + 43.39 RT TO 88 + 55.42 RT					7					
83 + 50.91 LT TO 84 + 00.91 LT		1				1				
83 + 50.91 LT TO 88 + 85.42 LT					8					
83 + 93.39 RT TO 85 + 05.89 RT				112.5						
84 + 00.91 LT TO 85 + 50.91 LT				150.0						
85 + 05.89 RT TO 85 + 48.99 RT			1							
85 + 06.48 RT TO 85 + 84.08 RT	77.6									
85 + 25.89 LT TO 86 + 04.95 LT	79.1									
85 + 50.91 LT TO 85 + 94.01 LT			1							
TOTALS	1953	8	8	1088	58	12	4	4	200	

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

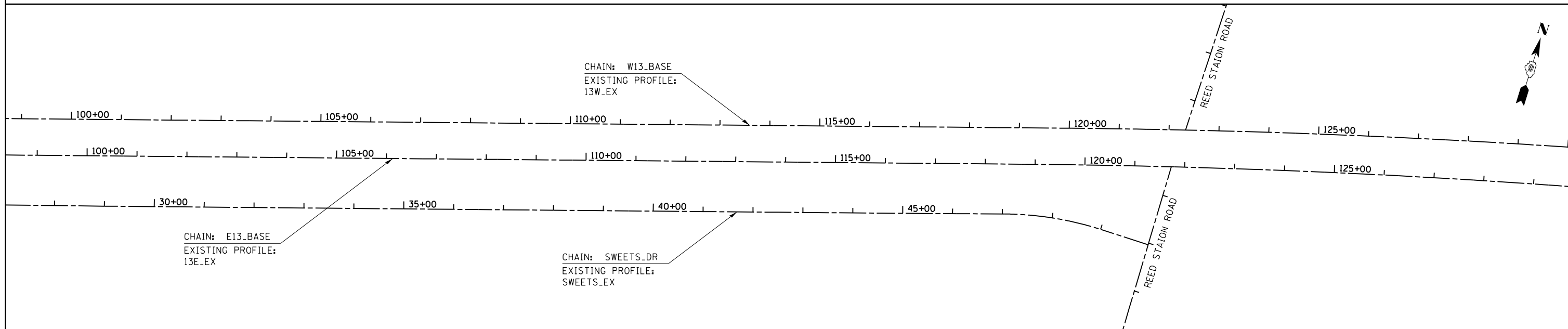
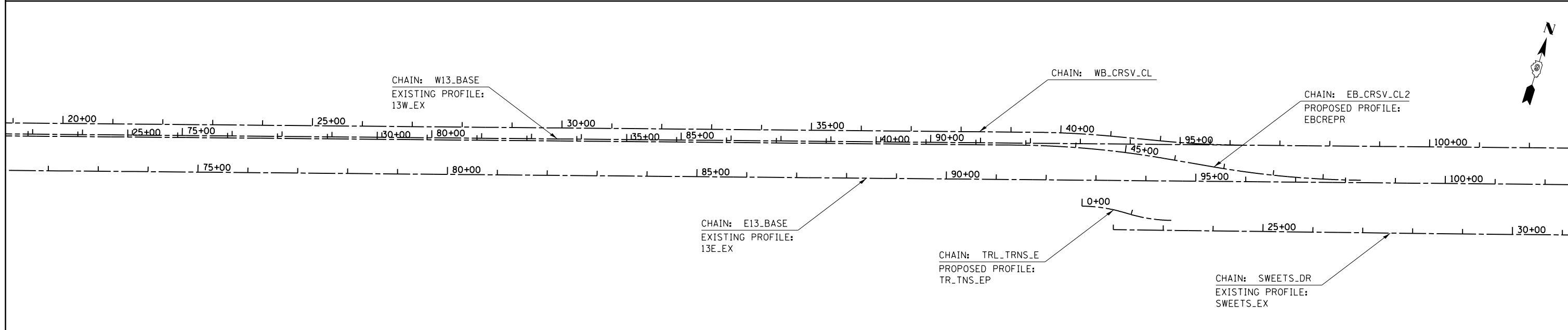
BRIDGE DECK CONCRETE CRACK SEALER & APPROACH SLAB REPAIR

LOCATION STATION TO STATION	BRIDGE DECK CONCRETE CRACK SEALER (FOOT)	APPROACH SLAB REPAIR (SQ YD)	COMMENTS
IL 13 WEST BOUND			
SN 039-0062	400	2.0	0.5 SQ YD EAST APPROACH, 1.5 SQ YD WEST APPROACH
SN 039-0061	500		
TOTALS	900	2.0	

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



STA. 10+13.19 TRAIL_WEST=
STA. 0+00.00 TRL_TRNS_W

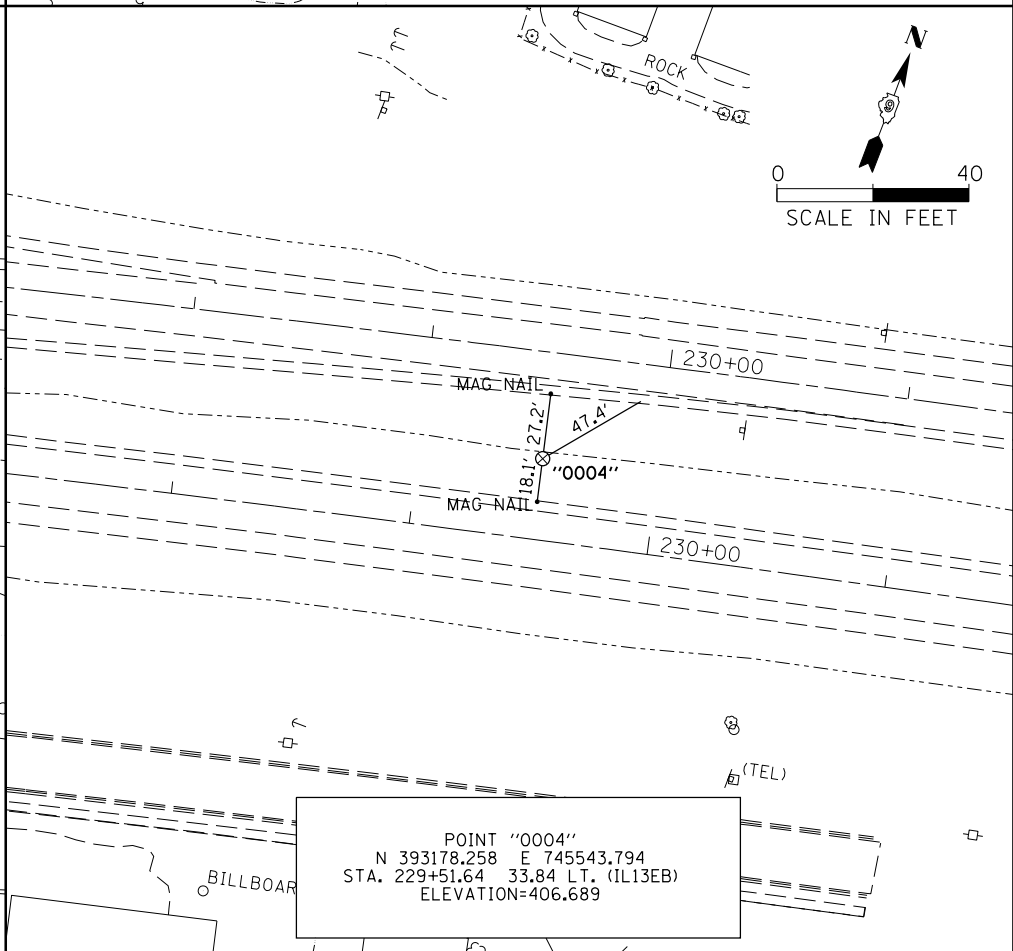
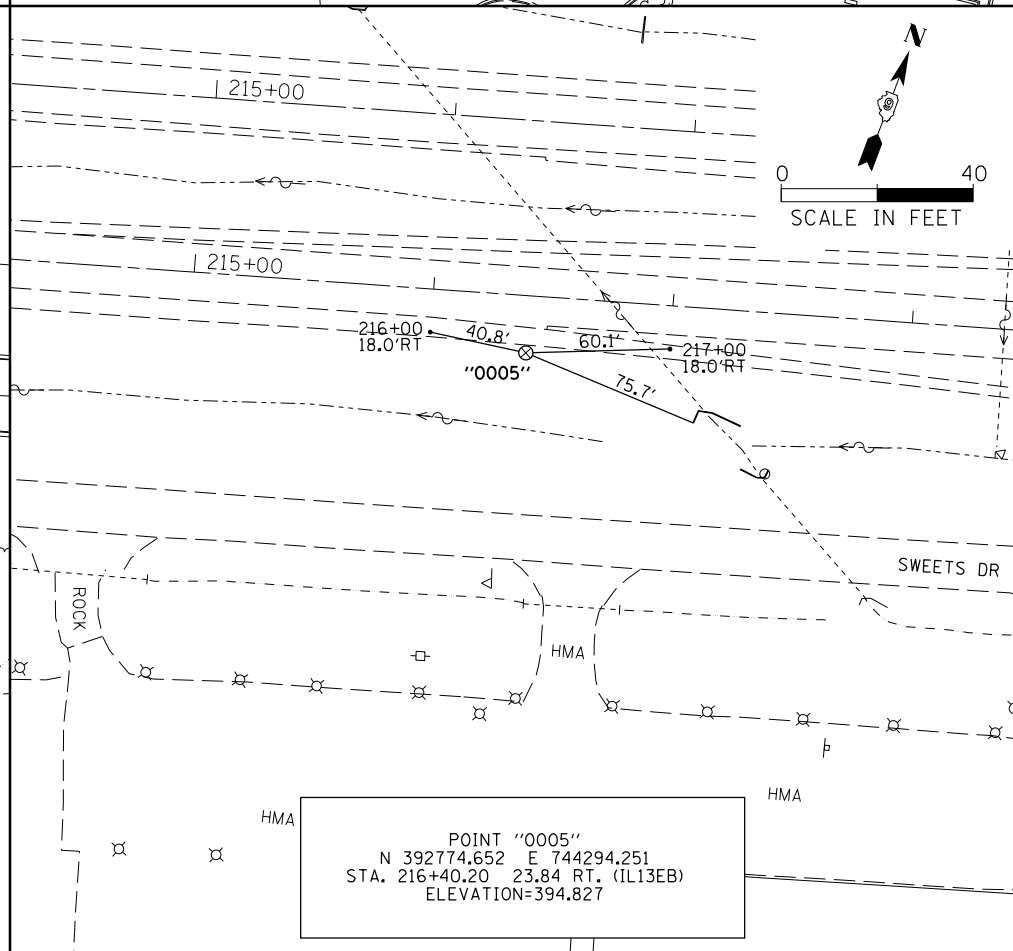
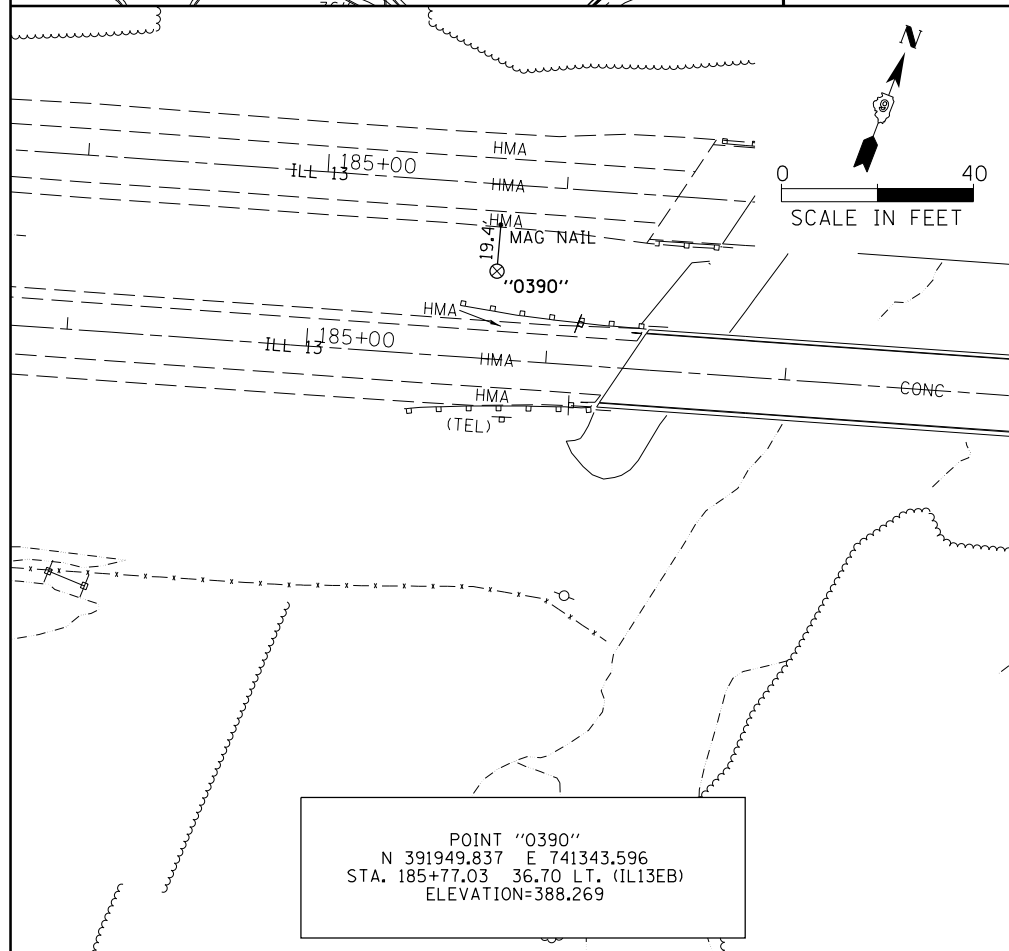
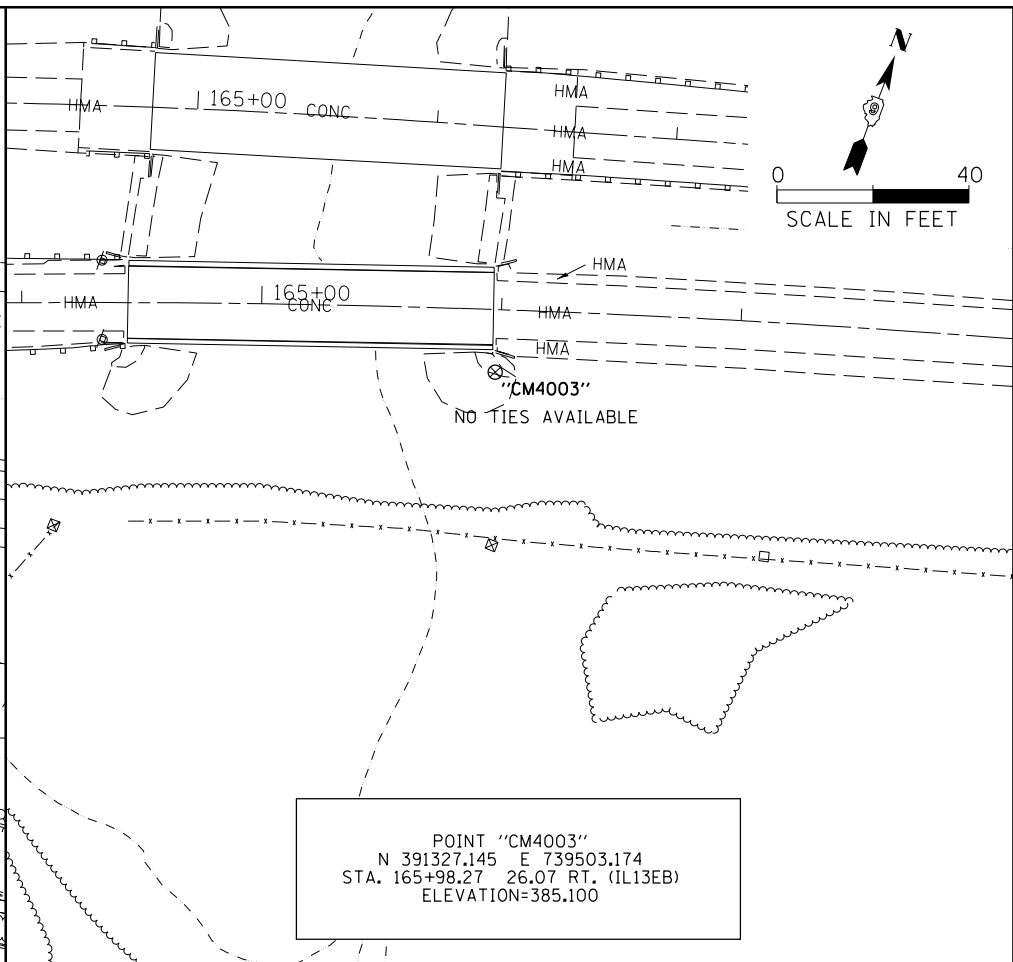
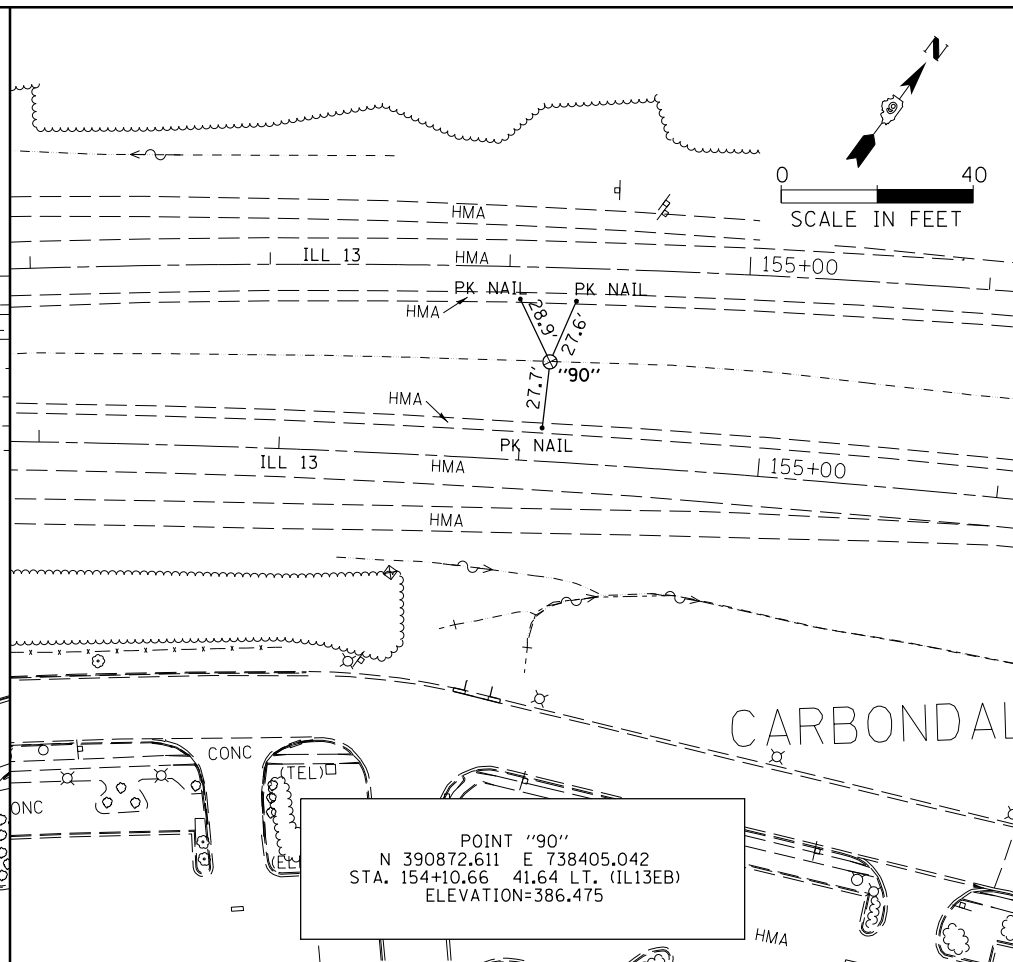
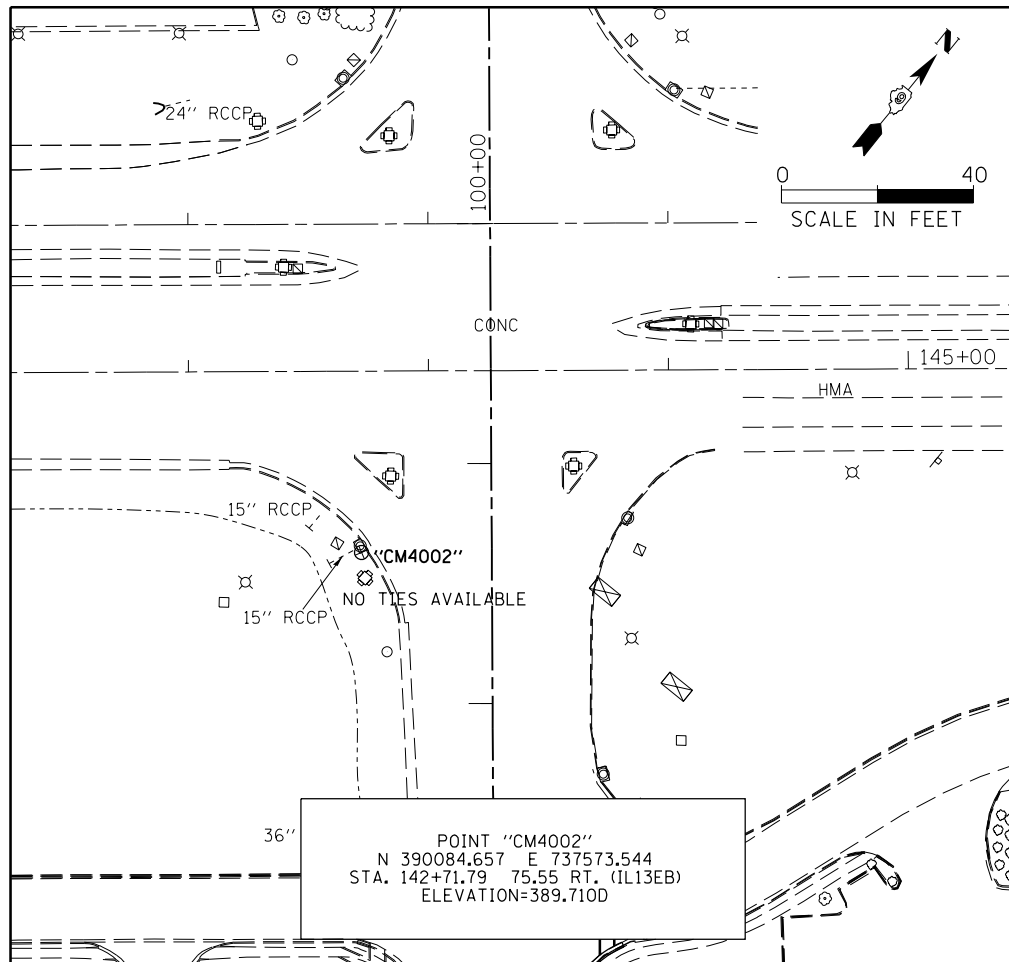


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	PLOT DATE = 3/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

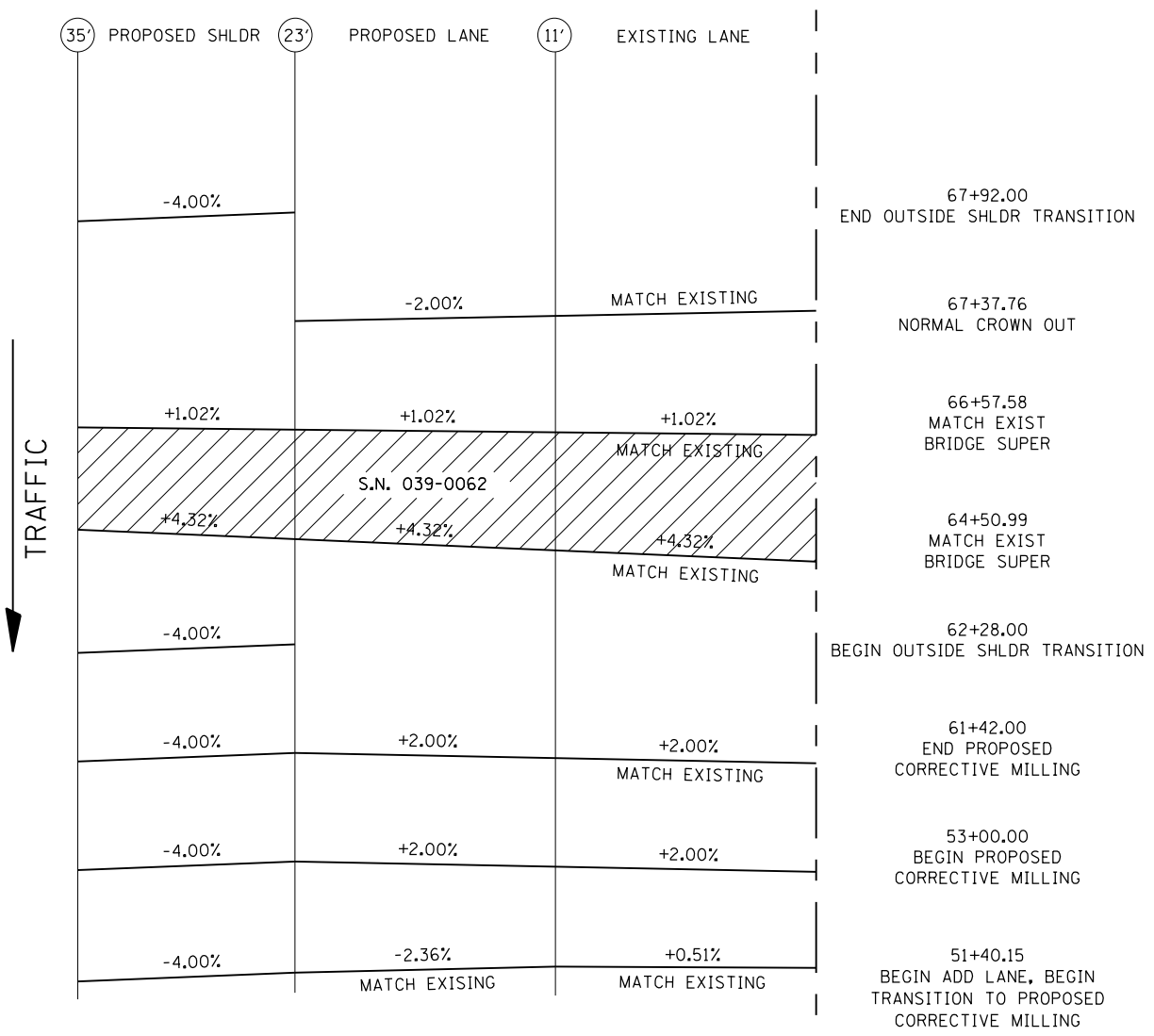
GEOPAK ELEMENTS				
SCALE:	SHEET	OF	SHEETS	STA.
				TO STA.

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	325	36
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				

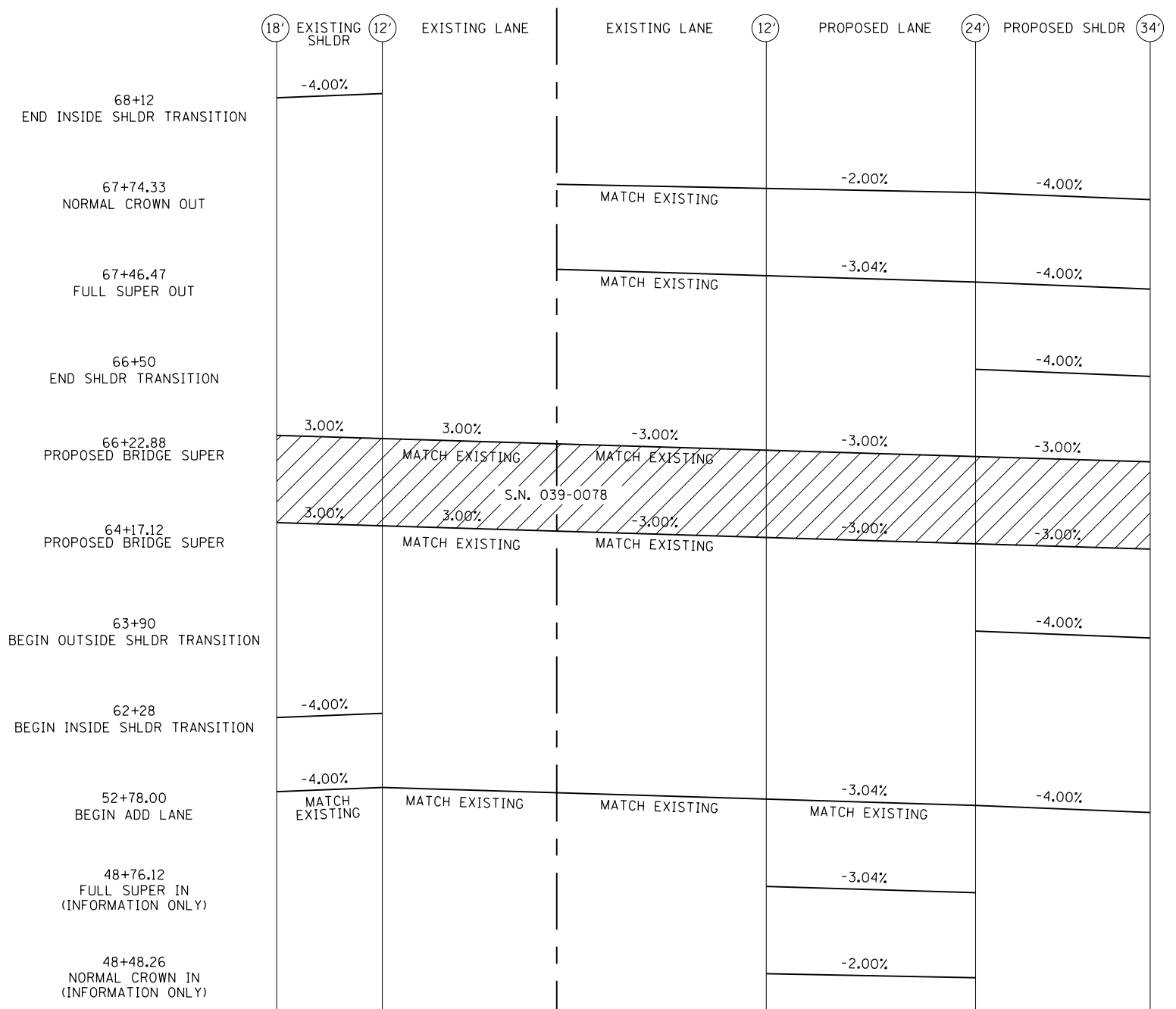


FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TIE POINTS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT DATE = 3/24/2017	DATE -	REVISED -		CONTRACT NO. 78295				ILLINOIS FED. AID PROJECT				


**IL RTE 13
(WESTBOUND)**




**IL RTE 13
(EASTBOUND)**



FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -
pw:\IL\084EBID\INTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\13... DRAWN = ee\78295\CADData\CADsheets\sh... REVISED = ee\geopakelements.dgn			
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

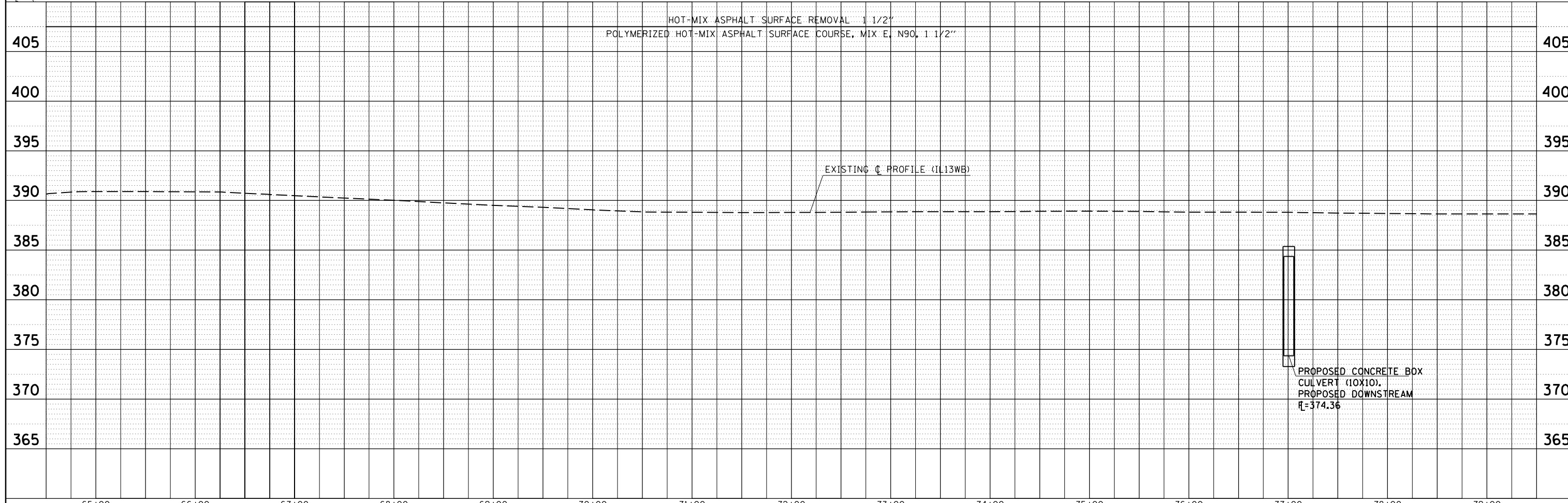
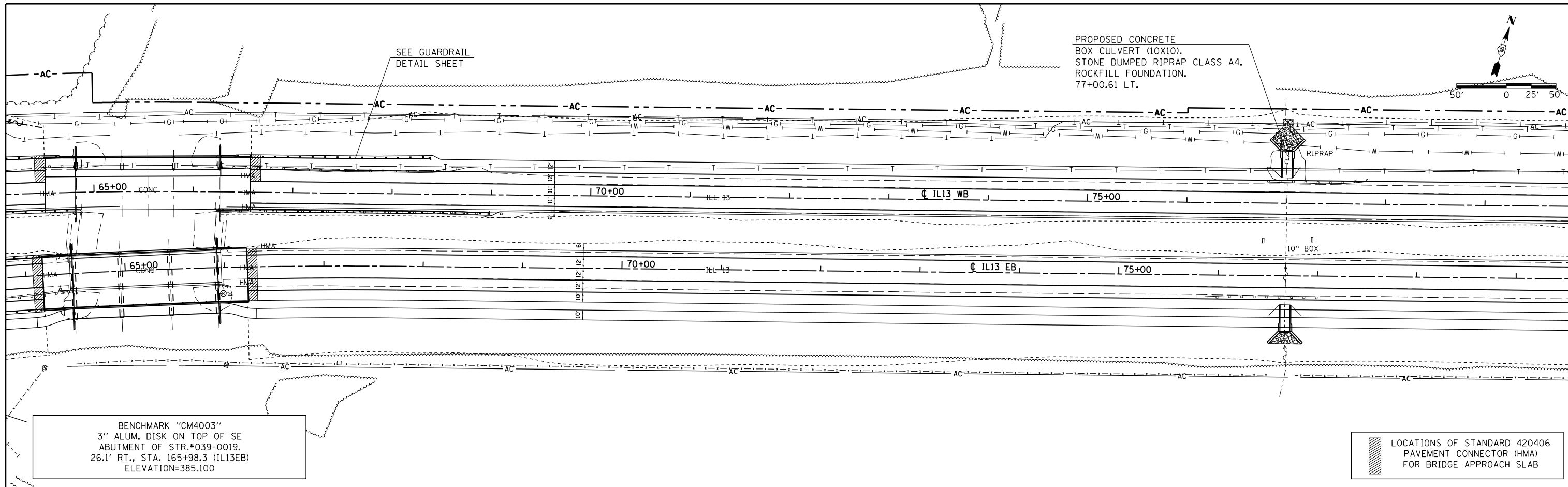
SUPERELEVATION DETAIL (IL13WB & IL13EB)

SCALE: SHEET OF SHEETS STA. TO STA.

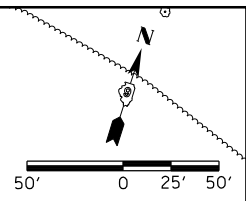
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	38
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

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

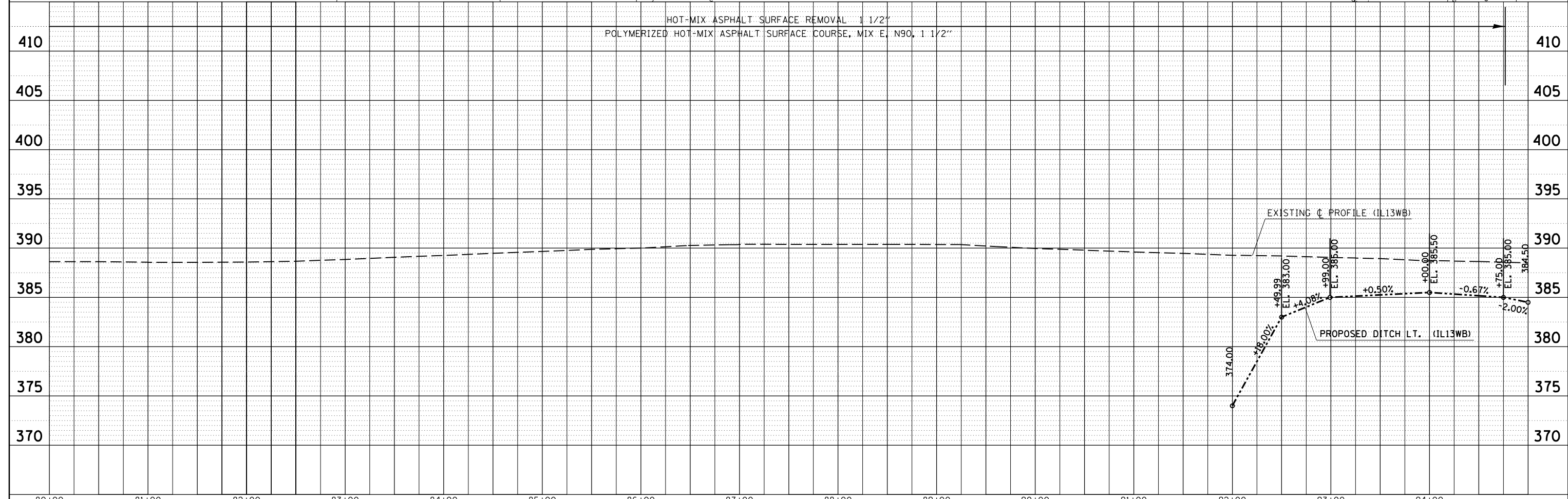
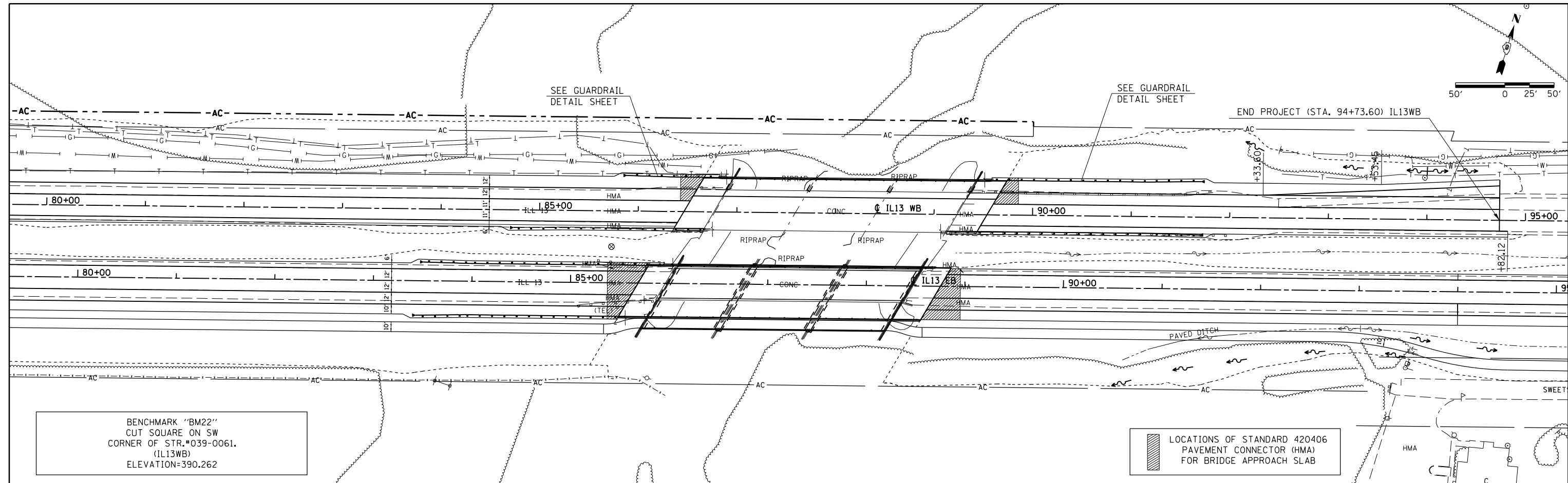


FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				PLAN PROFILE /IL 13 WEST BOUND				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		CHECKED -	REVISED -					SCALE: SHEET OF SHEETS STA. TO STA.				331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	40
	PLOT DATE = 3/24/2017	DATE -	REVISED -									CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT																



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

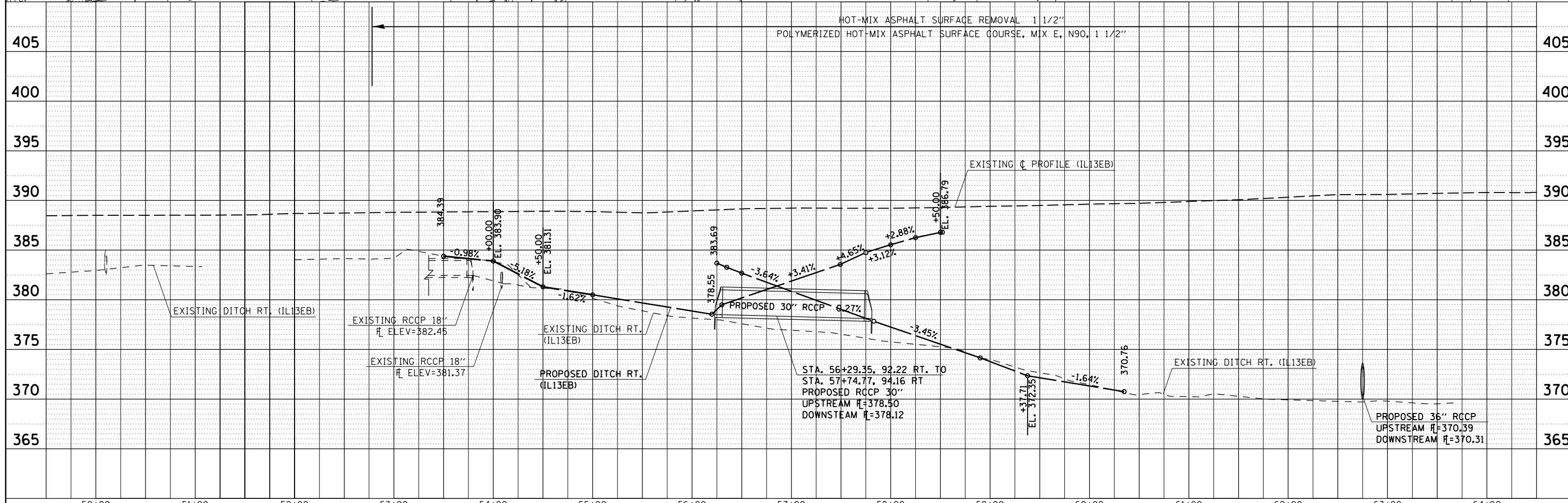
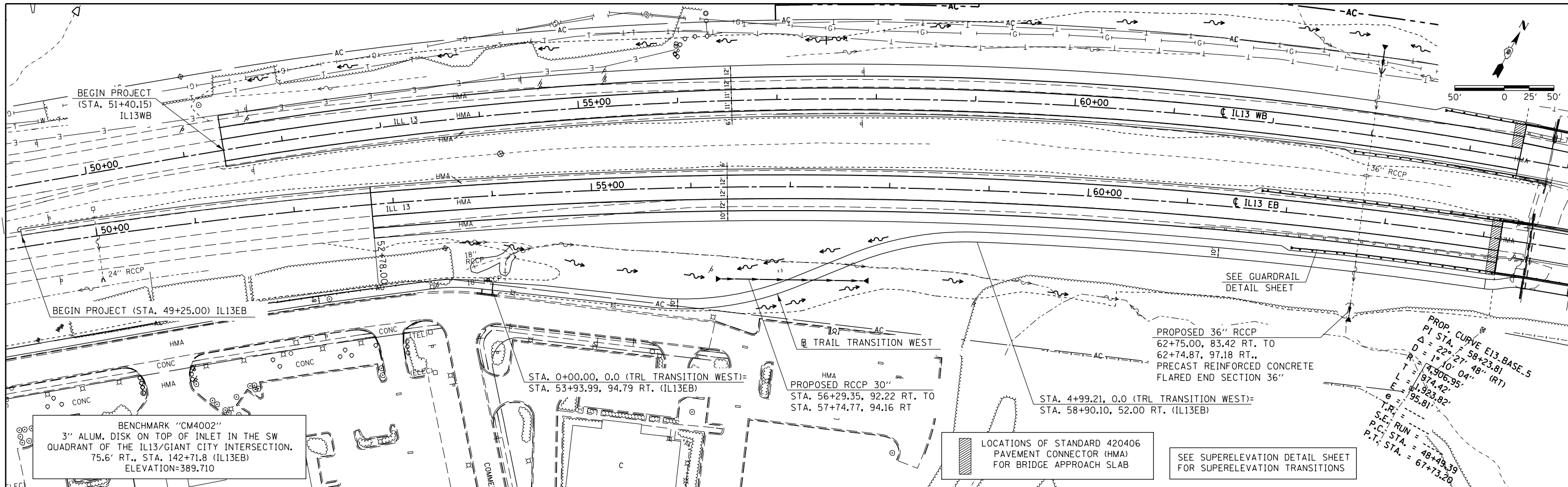
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	CHECKED
	STRUCTURE	NOT AT THIS OFFICE



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 -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	41
		DATE -	REVISED -						CONTRACT NO. 78295						
									ILLINOIS FED. AID PROJECT						

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
FILE NAME	
NO.	

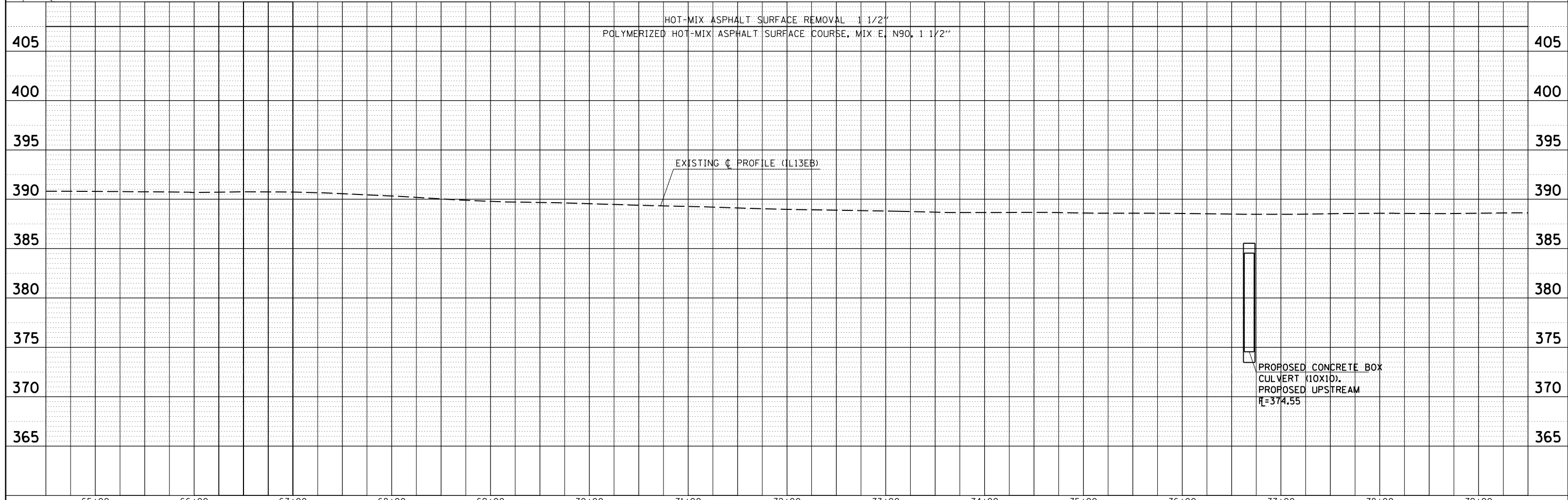
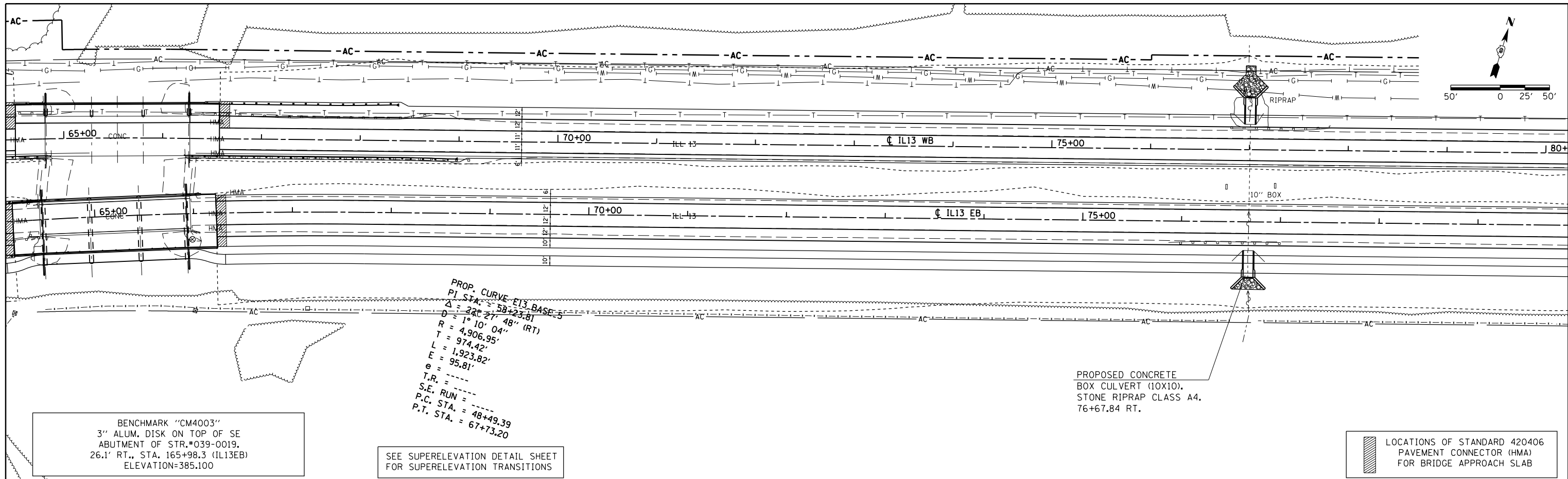
DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES	
CHECKED	
STRUCTURE	
NOTATIONS	
CHKD	
NO.	



FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">PLAN /PROFILE IL13 EAST BOUND</p>	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	325	42
		DATE -	REVISED -		CONTRACT NO. 78295				
					ILLINOIS FED. AID PROJECT				

PLAN SURVEYED PLOTTED CHECKED
 NOTE BOOK NO. _____
 DATE _____

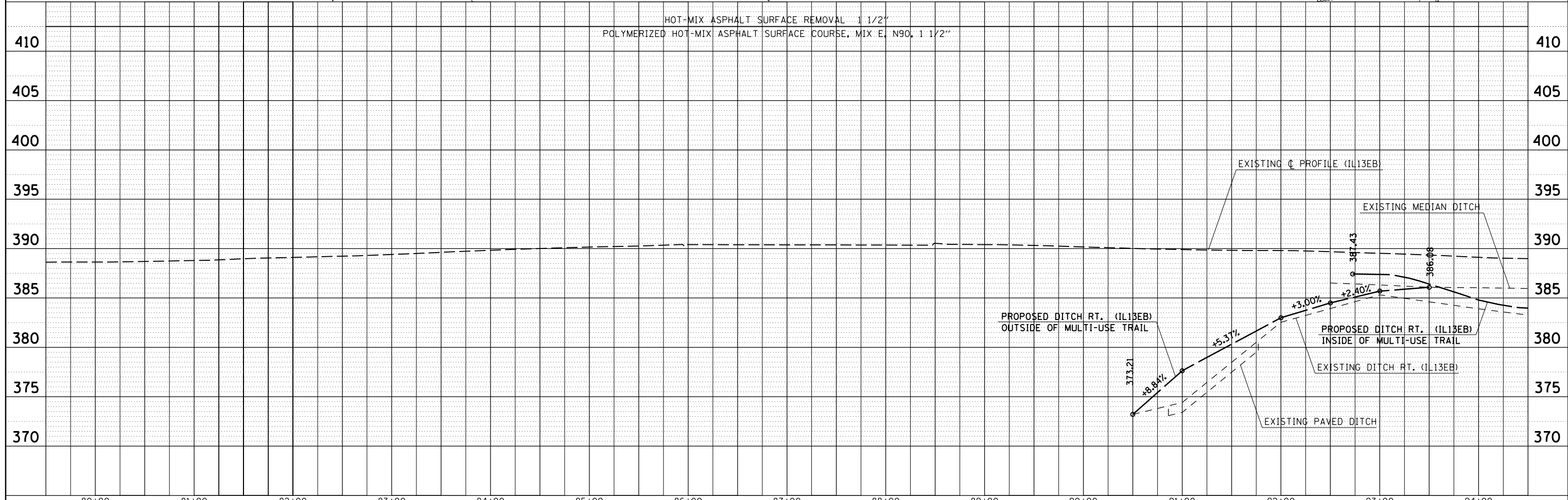
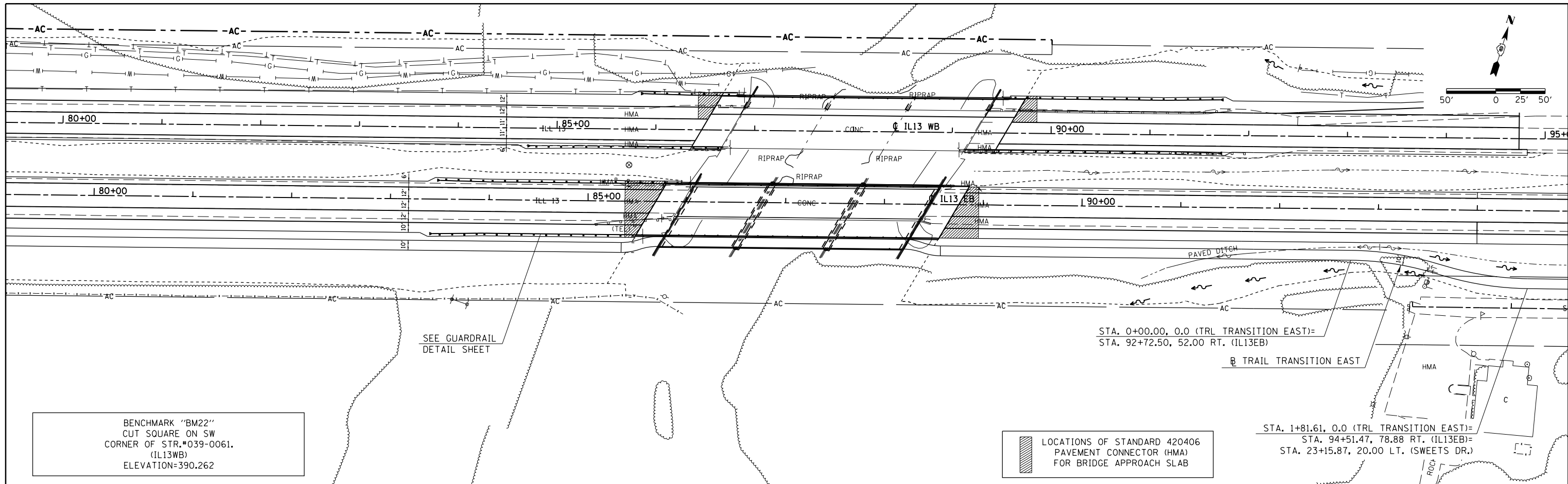
PROFILE SURVEYED PLOTTED CHECKED
 NOTE BOOK NO. _____
 DATE _____



FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PLAN /PROFILE IL13 EAST 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	325	43				
		DATE -	REVISED -			CONTRACT NO. 78295				ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	FILE NAME	
	NO.	

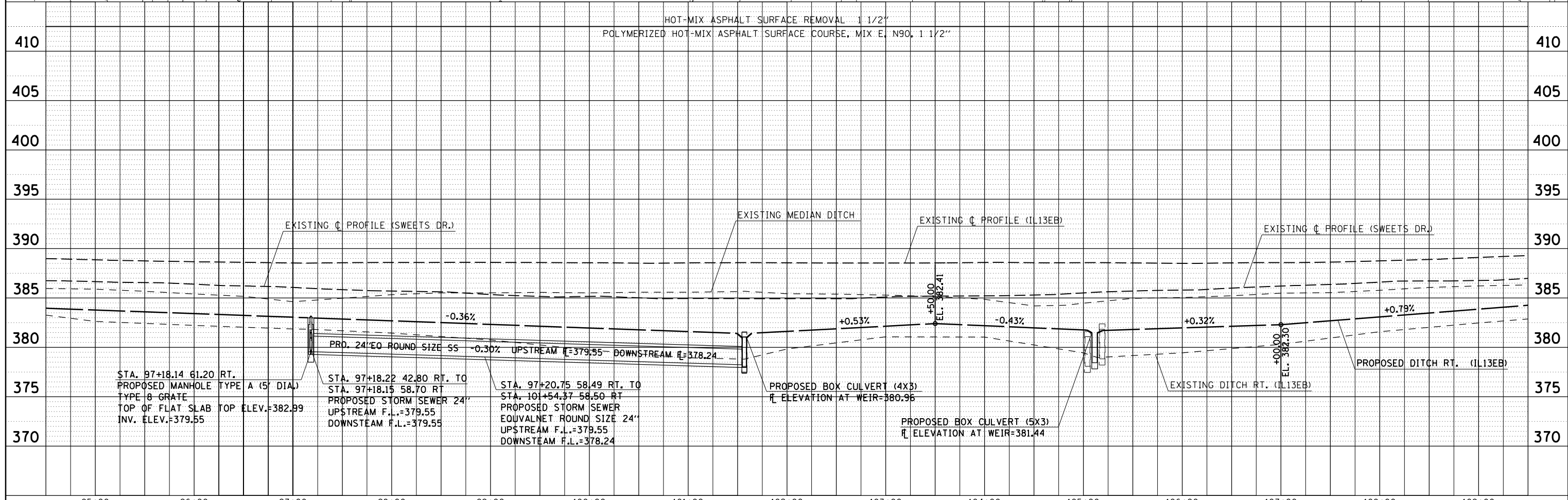
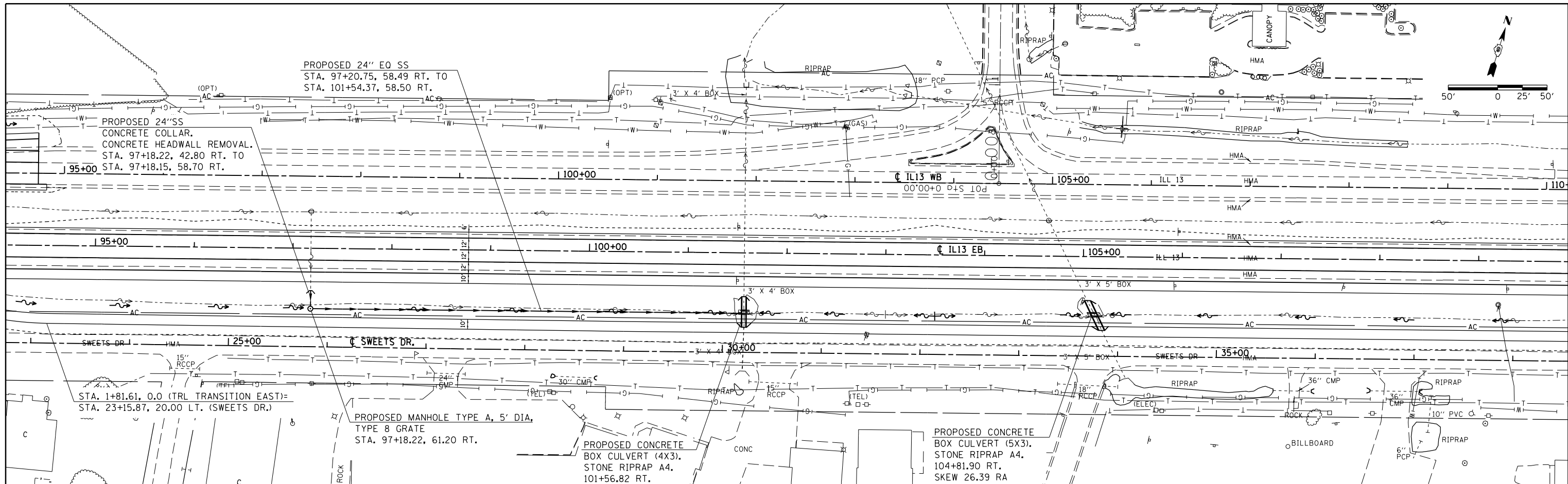
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



FILE NAME =	USER NAME = naasdp	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN /PROFILE IL13 EAST BOUND	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		CHECKED -	REVISOR -			331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	44	
		DATE -	REVISOR -			CONTRACT NO. 78295					
						ILLINOIS FED. AID PROJECT					

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

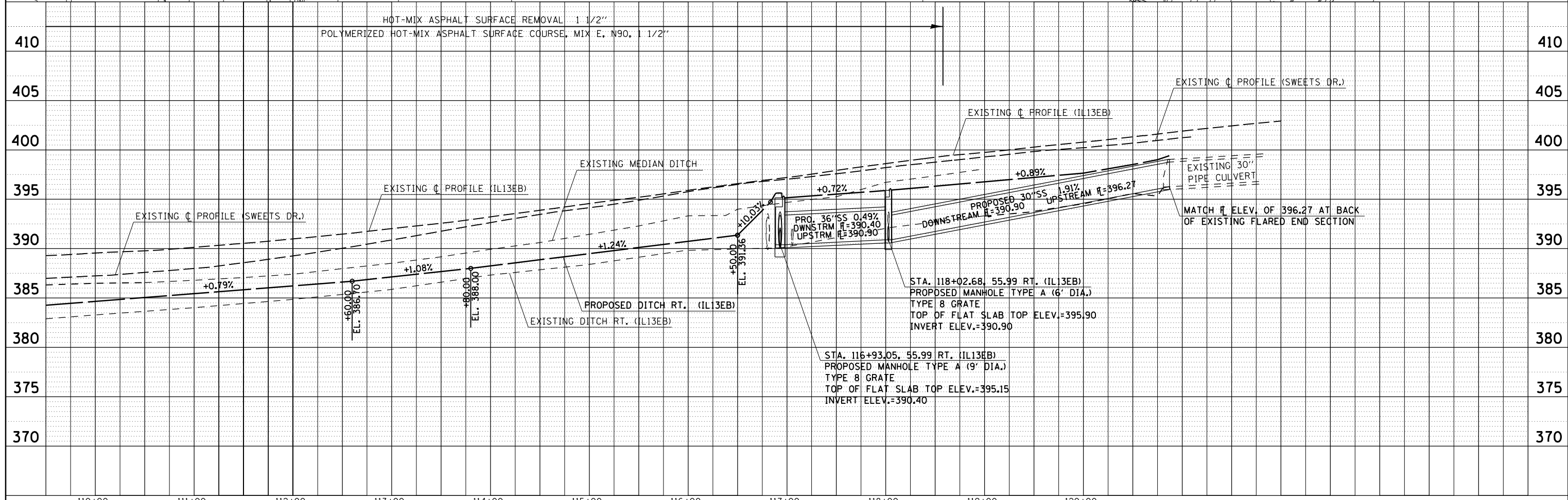
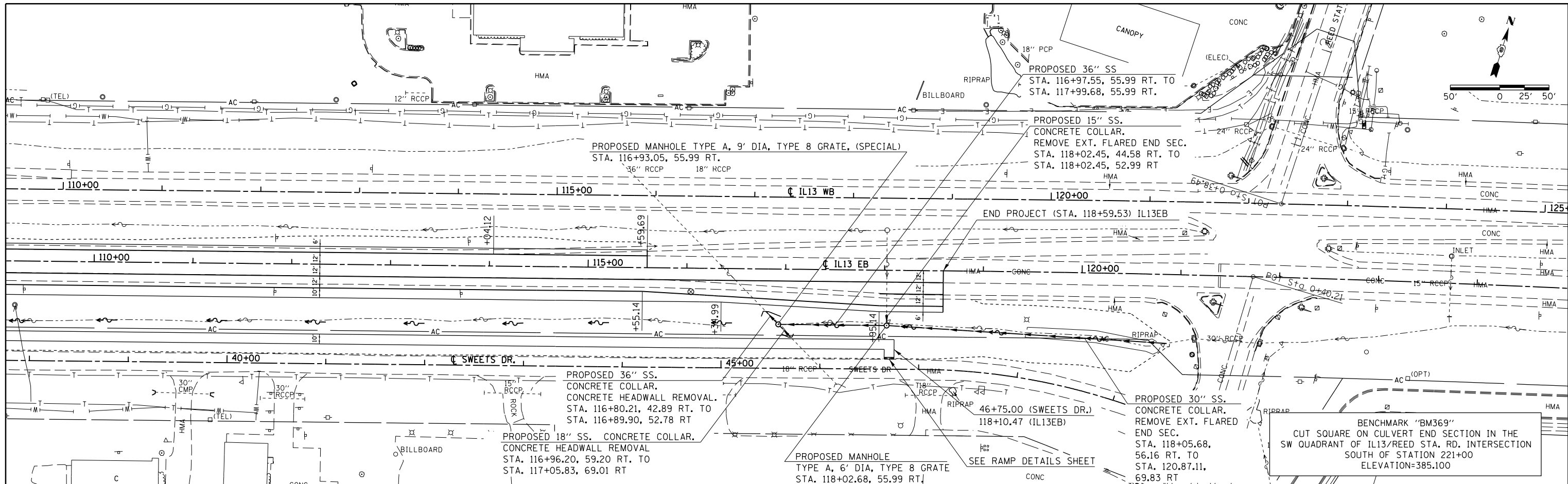
PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	



FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISOR -	STATE OF ILLINOIS	PLAN /PROFILE IL13 EAST BOUND	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		CHECKED -	REVISOR -	DEPARTMENT OF TRANSPORTATION	SCALE: SHEET OF SHEETS STA. TO STA.	331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	45
	PLOT DATE = 3/24/2017	DATE -	REVISOR -			CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
DESIGNED	
NO. OF SHEETS	
NOTE BOOK	
NO.	
PLAN	
NO.	

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

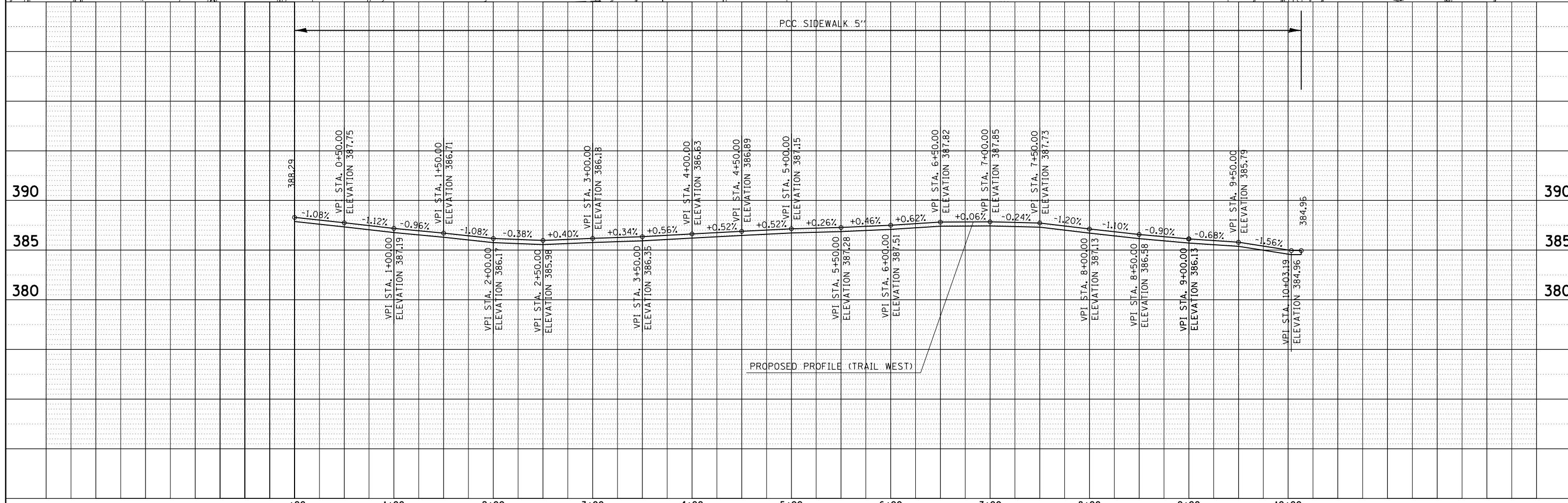
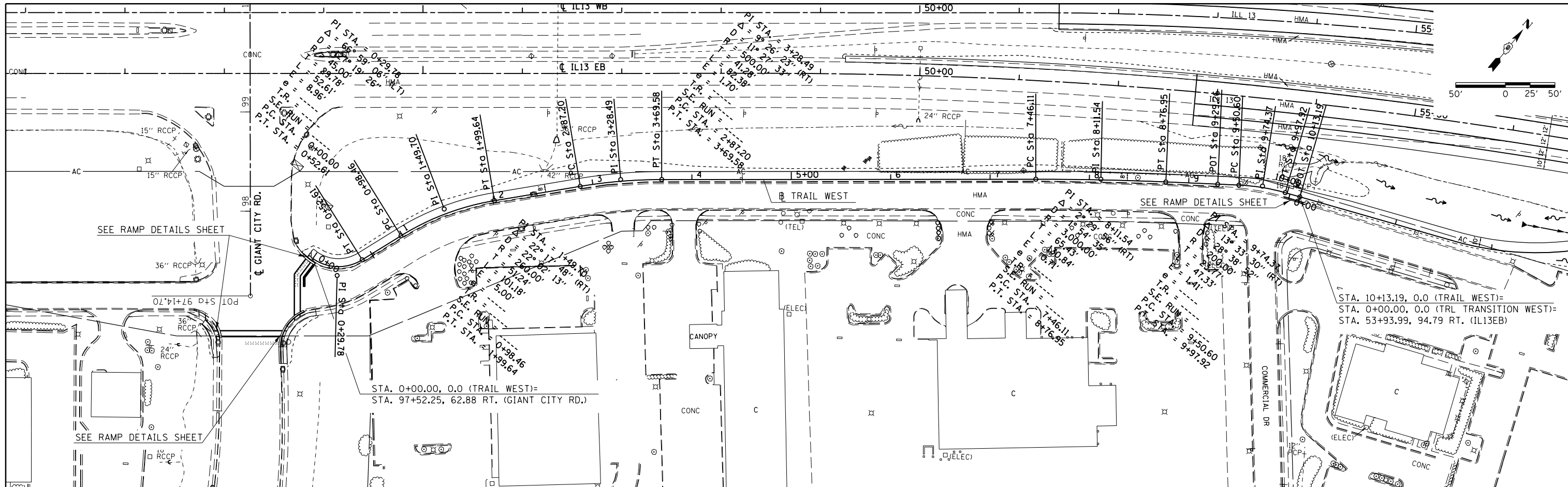


FILE NAME =	USER NAME = rnaasp	DESIGNED -	REVISOR -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">PLAN /PROFILE IL13 EAST BOUND</p>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		CHECKED -	REVISOR -		331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	46
		DATE -	REVISOR -		CONTRACT NO. 78295				
					ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

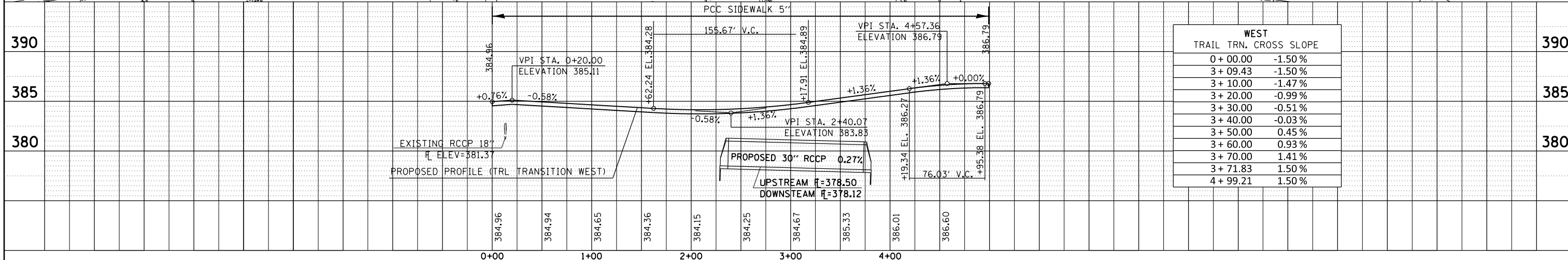
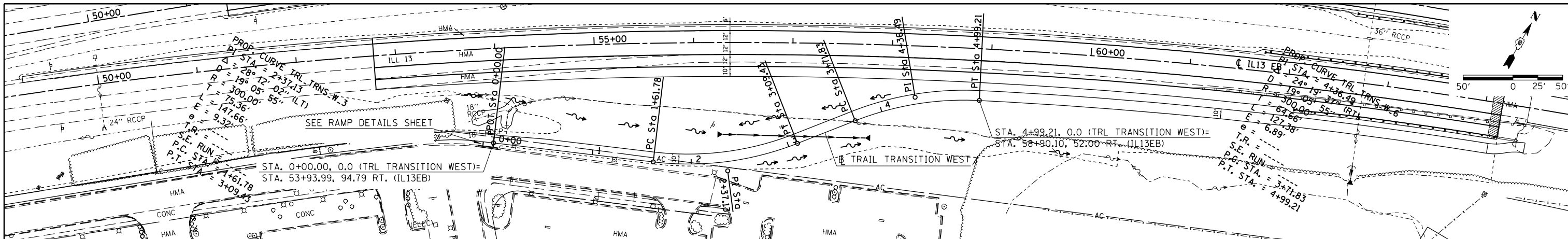
PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	
	NO.	
	NO.	

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

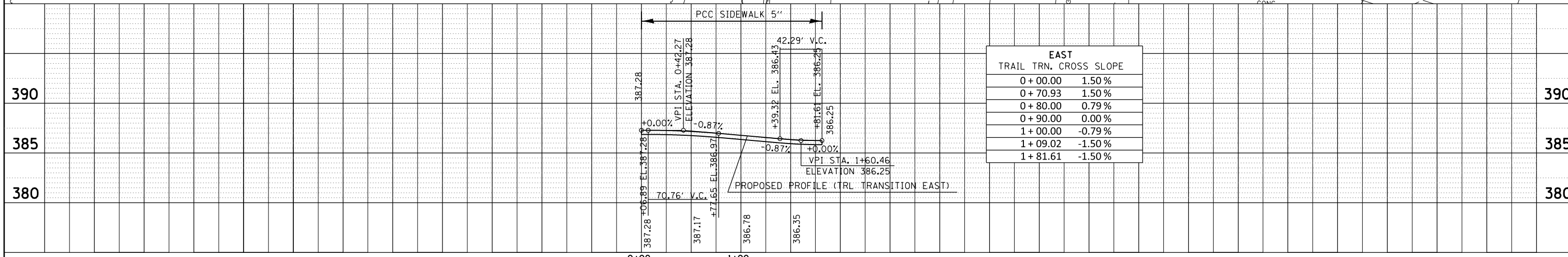
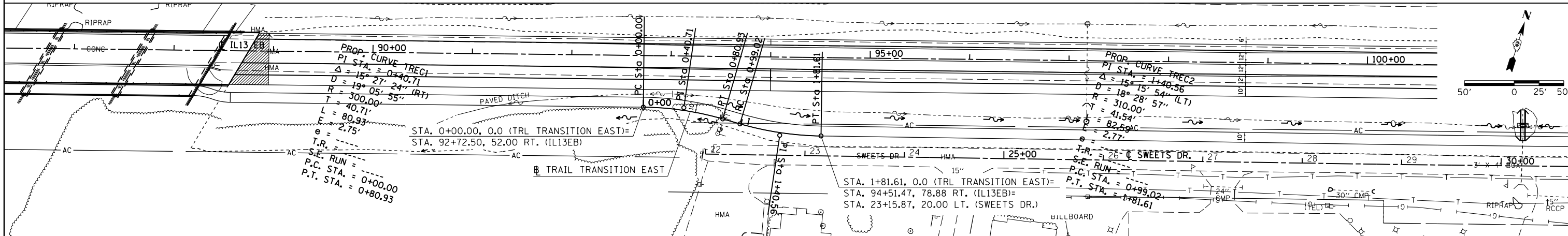


FILE NAME =	USER NAME = naesdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN /PROFILE MULTI-USE TRAIL WEST	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		CHECKED -	REVISED -			331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	47	
		DATE -	REVISED -			CONTRACT NO. 78295					
						ILLINOIS FED. AID PROJECT					

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

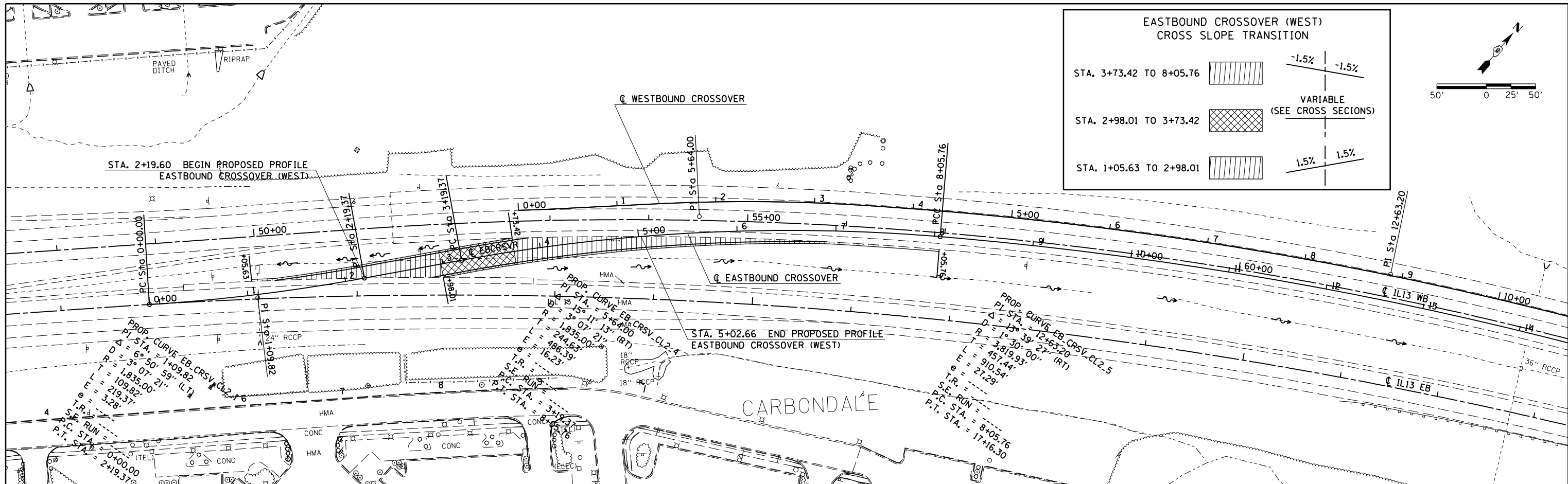


PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



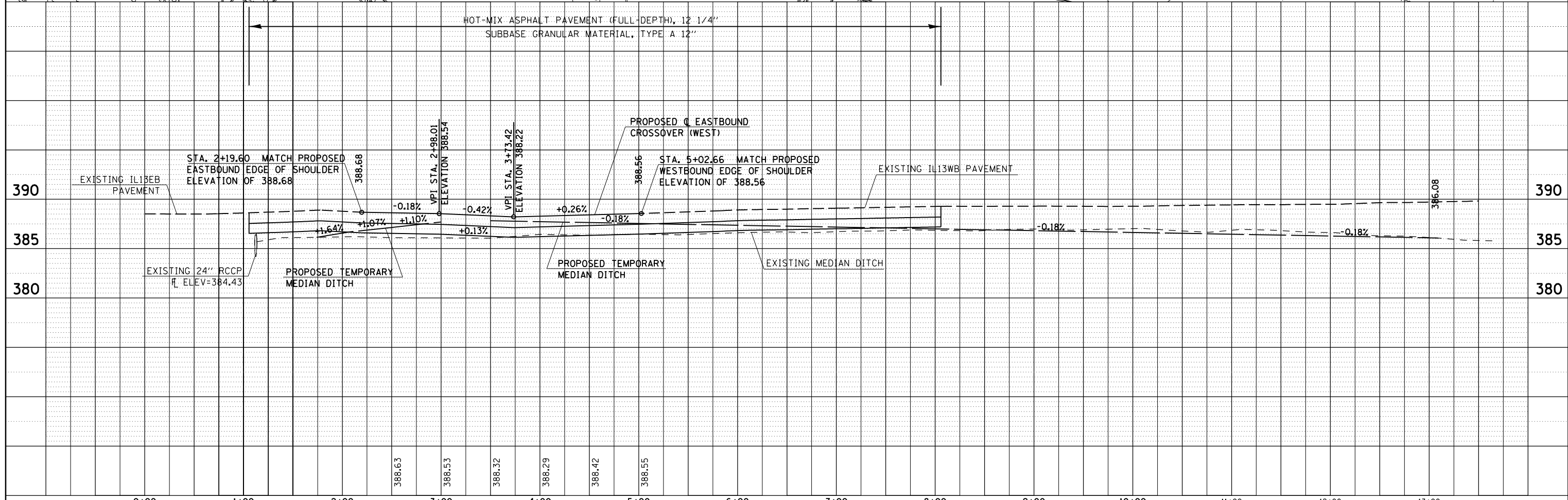
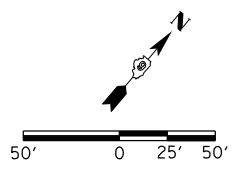
PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	



**EASTBOUND CROSSOVER (WEST)
CROSS SLOPE TRANSITION**

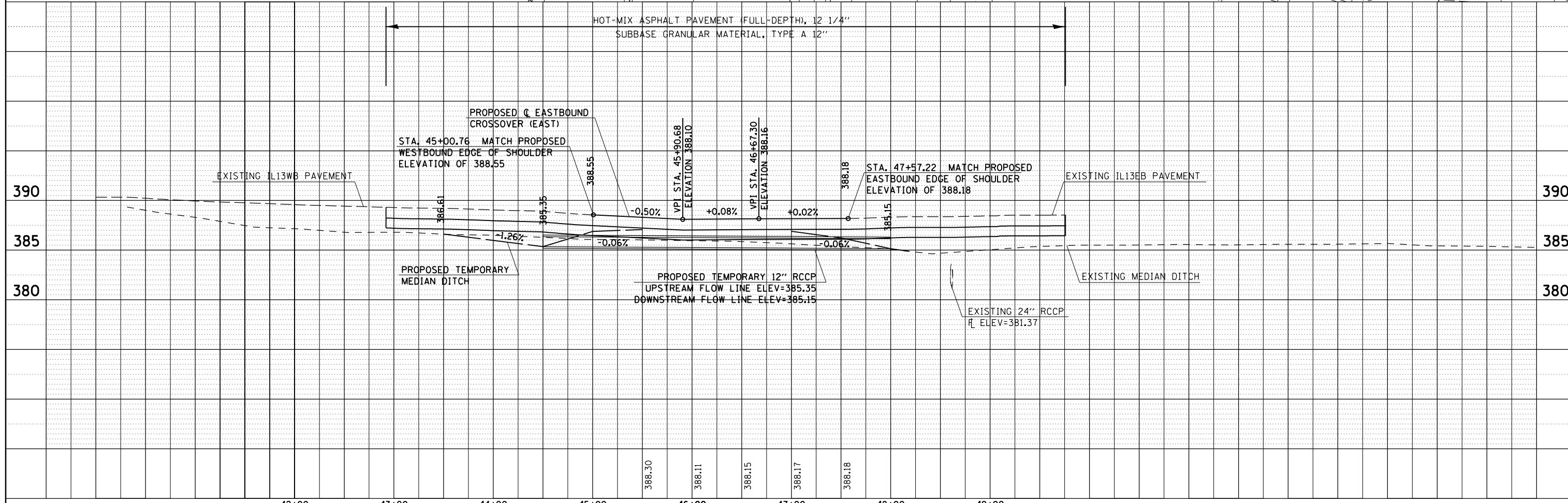
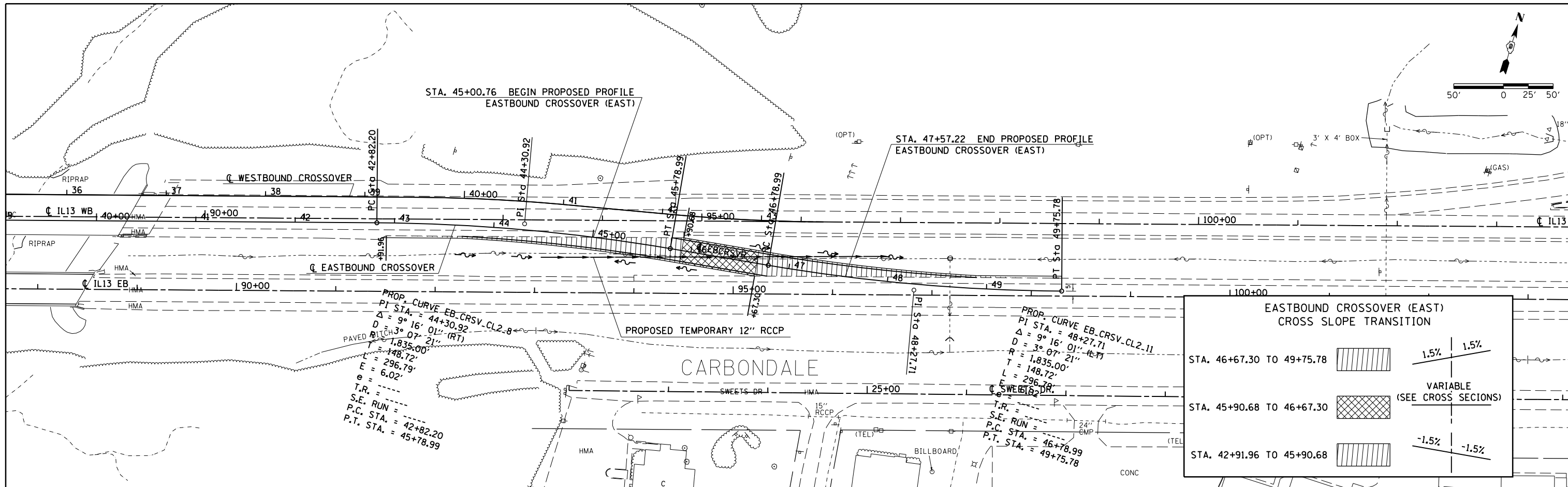
STA. 3+73.42 TO 8+05.76		-1.5% -1.5%
STA. 2+98.01 TO 3+73.42		VARIABLE (SEE CROSS SECTIONS)
STA. 1+05.63 TO 2+98.01		1.5% 1.5%



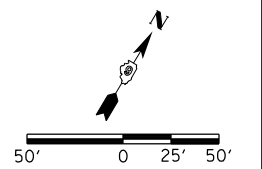
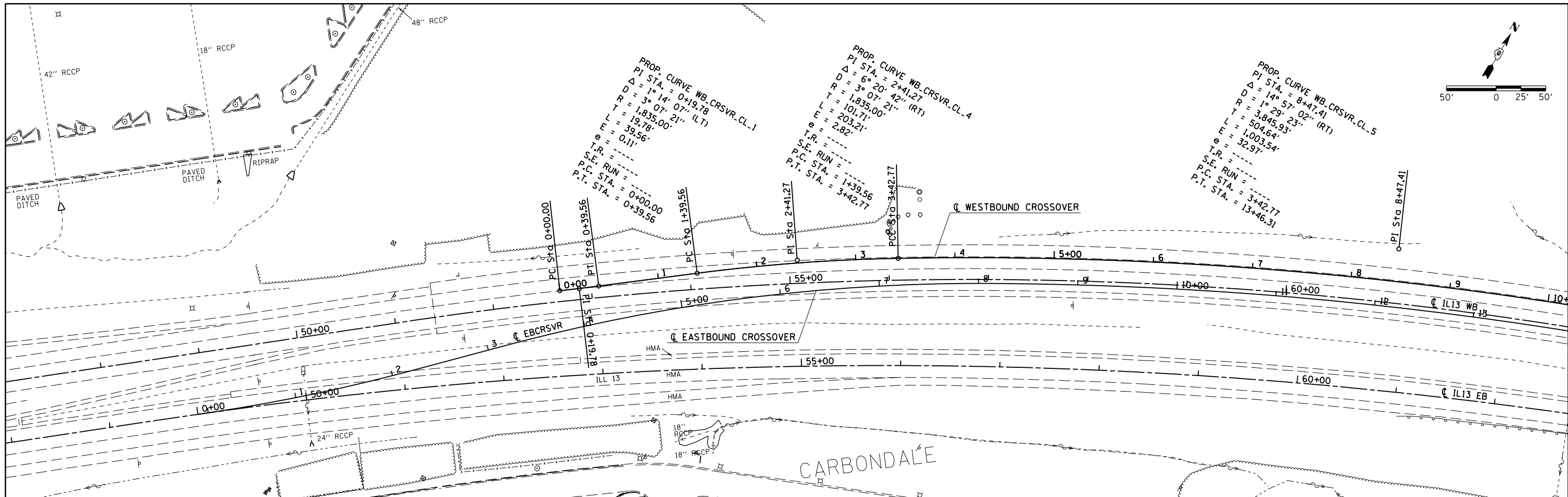
FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PLAN /PROFILE EASTBOUND CROSSOVER (WEST)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG\Illinois.gov\PIDOT\Documents\1007 Offices\District 9\Projects\13.gis\DRAWING\78295\CADData\CADsheets\shc								331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	49
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 3/24/2017	DATE -	REVISED -			SCALE:		SHEET	OF	SHEETS	STA.	TO STA.

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	



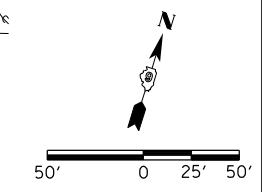
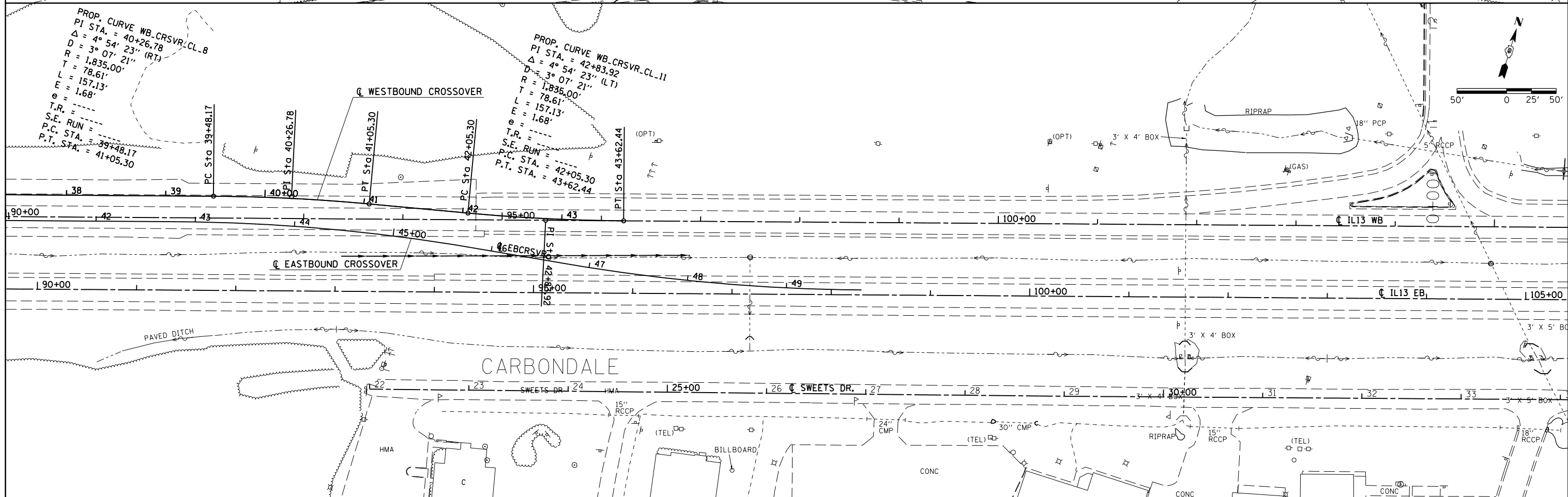
FILE NAME =	USER NAME = noasp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PLAN /PROFILE EASTBOUND CROSSOVER (EAST)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		CHECKED -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	50
		DATE -	REVISED -					CONTRACT NO. 78295				
								ILLINOIS FED. AID PROJECT				



PROP. CURVE WB.CRSVR.CL-1
 PI STA. = 0+19.78
 $\Delta = 1^\circ 14' 07''$ (LT)
 $R = 1,835.00'$
 $T = 39.56'$
 $L = 19.78'$
 $E = 0.11'$
 $e = 0.11'$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 0+00.00$
 $P.T. STA. = 0+39.56$

PROP. CURVE WB.CRSVR.CL-4
 PI STA. = 2+41.27
 $\Delta = 6^\circ 20' 42''$ (RT)
 $R = 1,835.00'$
 $T = 101.71'$
 $L = 203.21'$
 $E = 2.82'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 1+39.56$
 $P.T. STA. = 3+42.77$

PROP. CURVE WB.CRSVR.CL-5
 PI STA. = 8+47.41
 $\Delta = 1^\circ 29' 02''$ (RT)
 $R = 3,845.93'$
 $T = 504.64'$
 $L = 1,003.54'$
 $E = 32.97'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 3+42.77$
 $P.T. STA. = 13+46.31$



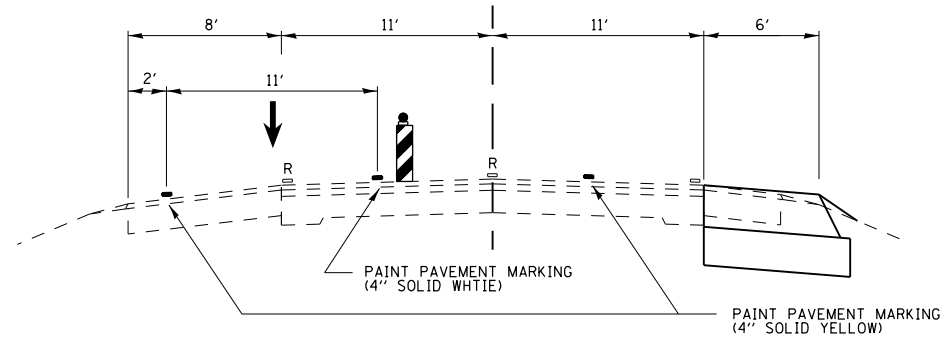
PROP. CURVE WB.CRSVR.CL-8
 PI STA. = 40+26.78
 $\Delta = 4^\circ 54' 23''$ (RT)
 $R = 1,835.00'$
 $T = 78.61'$
 $L = 157.13'$
 $E = 1.68'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 39+48.17$
 $P.T. STA. = 41+05.30$

PROP. CURVE WB.CRSVR.CL-11
 PI STA. = 42+83.92
 $\Delta = 4^\circ 54' 23''$ (LT)
 $R = 1,835.00'$
 $T = 78.61'$
 $L = 157.13'$
 $E = 1.68'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 42+05.30$
 $P.T. STA. = 43+62.44$

FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WESTBOUND CROSSOVER ALIGNMENT		F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 9\Projects\13... DRAWN = 78295\CADData\CADsheets\sh... PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	331				(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	51	
Default	DATE -	REVISED -	CONTRACT NO. 78295								
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
					ILLINOIS FED. AID PROJECT						

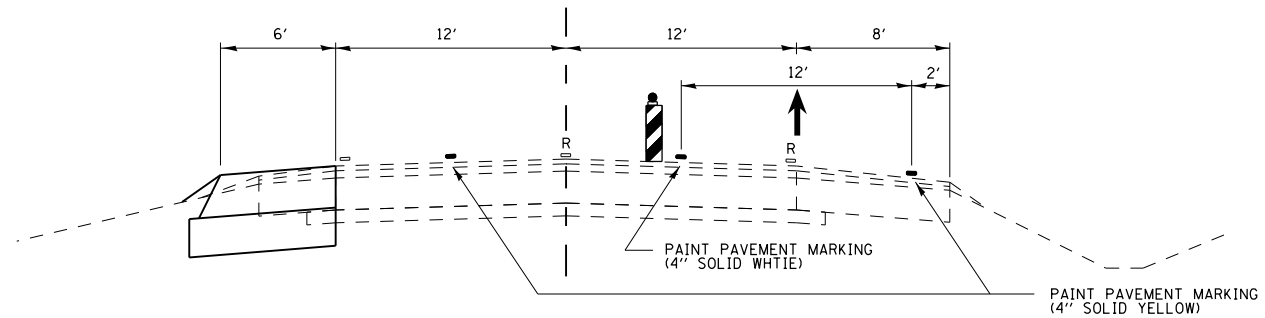
NIGHT WORK
7:00PM TO 7:00 AM

IL RTE 13
(WESTBOUND)
LOOKING EAST



**TYPICAL SECTION
STAGE 1**

IL RTE 13
(EASTBOUND)
LOOKING EAST



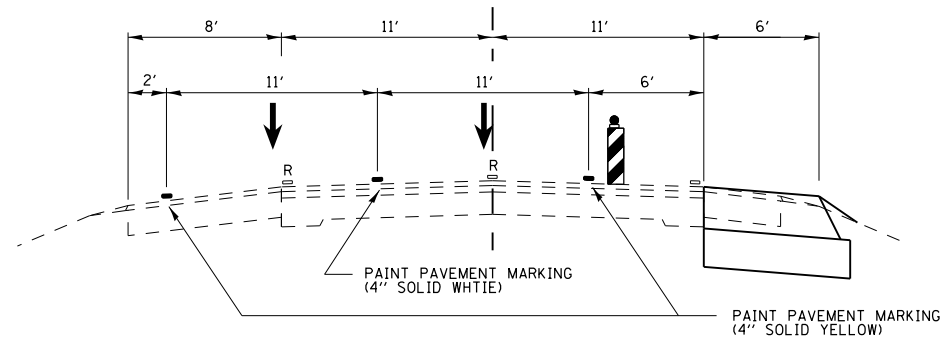
**TYPICAL SECTION
STAGE 1**

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.

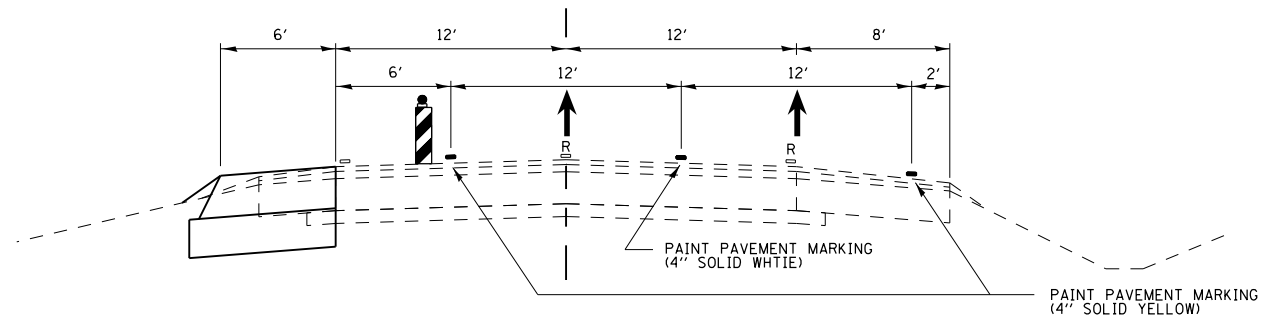
DAYTIME WORK
7:00AM TO 7:00 PM

IL RTE 13
(WESTBOUND)
LOOKING EAST



**TYPICAL SECTION
STAGE 1**

IL RTE 13
(EASTBOUND)
LOOKING EAST

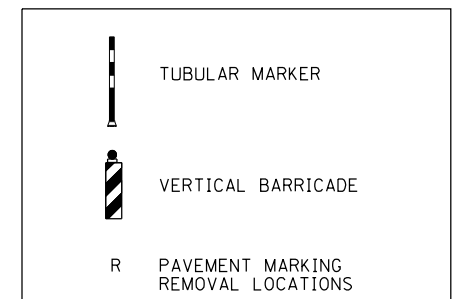


**TYPICAL SECTION
STAGE 1**

NOTES:

TRAFFIC CONTROL STANDARD 701401 TO BE USED FOR STAGE 1 CONSTRUCTION.

REFER TO DROP OFF ALLOWANCE DAYS SPECIAL PROVISION.



FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\13.g...DRAWN=78295\CADData\CADsheets\sta...REVISED			
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/11/2017	DATE -	REVISED -

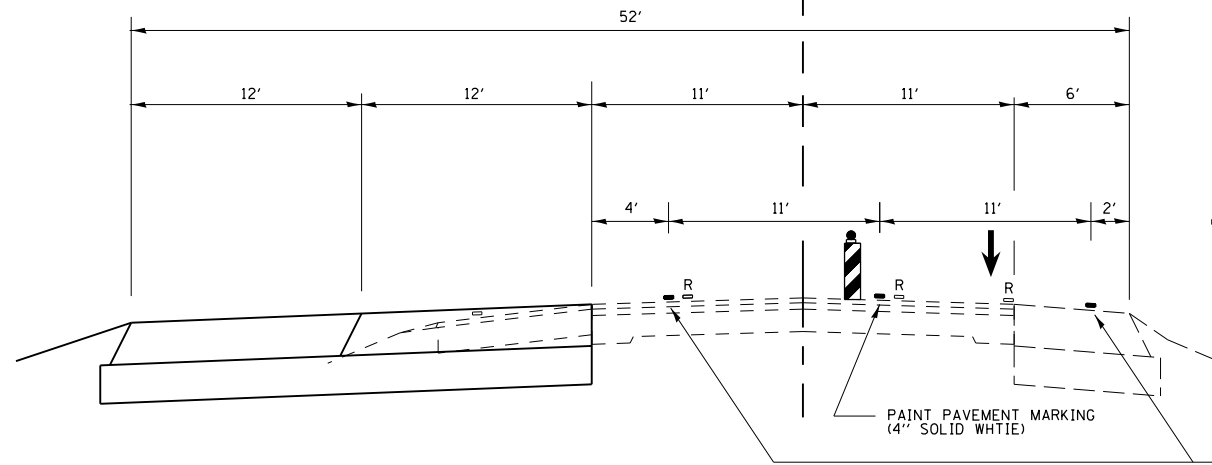
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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	325	52
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				

IL RTE 13
(WESTBOUND)
LOOKING EAST



NIGHT WORK
7:00PM TO 7:00 AM

**TYPICAL SECTION
STAGE 2**

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:

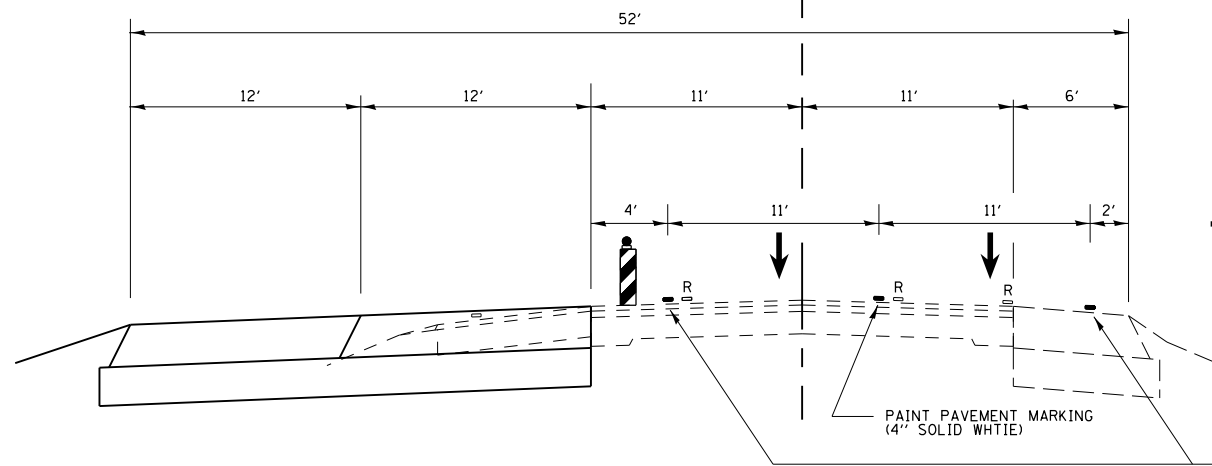
REMOVE ALL STAGE 1 PAVEMENT MARKING FROM THE EASTBOUND LANES AND REPLACE WITH PAVEMENT MARKING ON ORIGINAL LANE LINES.

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

REFER TO DROP OFF ALLOWANCE DAYS SPECIAL PROVISION.

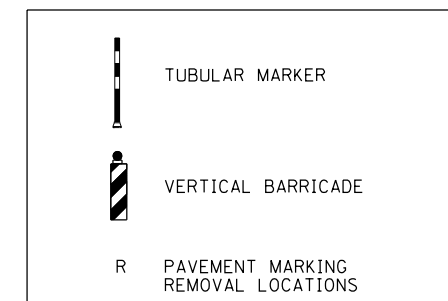
TRAFFIC CONTROL SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION (SPECIAL).

IL RTE 13
(WESTBOUND)
LOOKING EAST



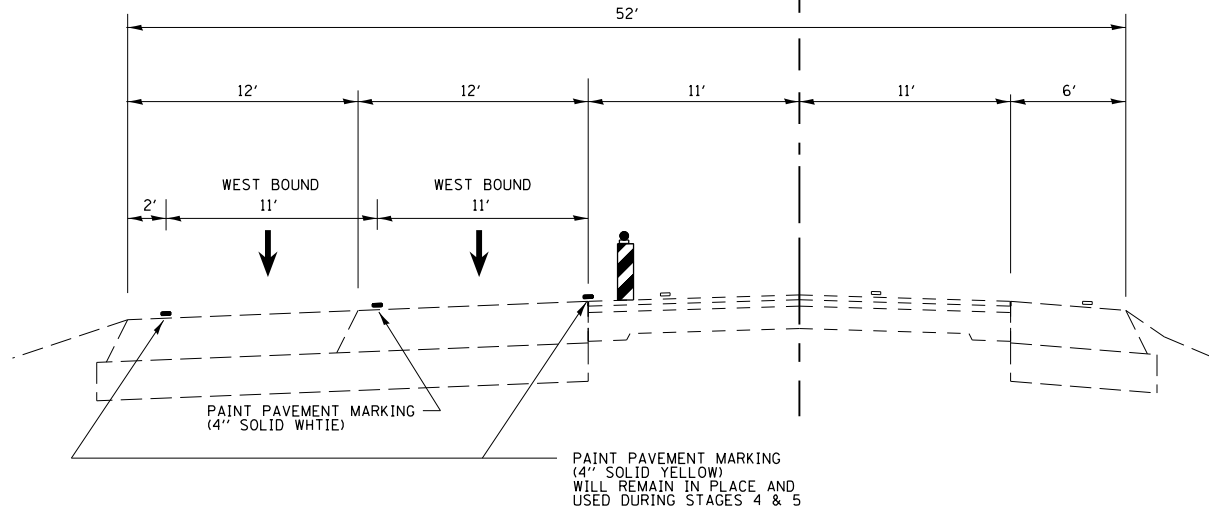
DAYTIME WORK
7:00AM TO 7:00 PM

**TYPICAL SECTION
STAGE 2**

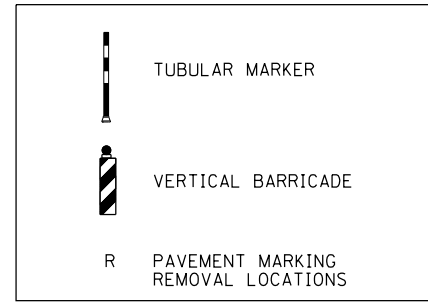


FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICALS /CONSTRUCTION STAGING			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\13... DRAWN = 78295\CADData\CADsheets\stage... REVISED =	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -					331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	53
Default	PLOT DATE = 5/11/2017	DATE -	REVISED -		CONTRACT NO. 78295							
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT

IL RTE 13
(WESTBOUND)
LOOKING EAST



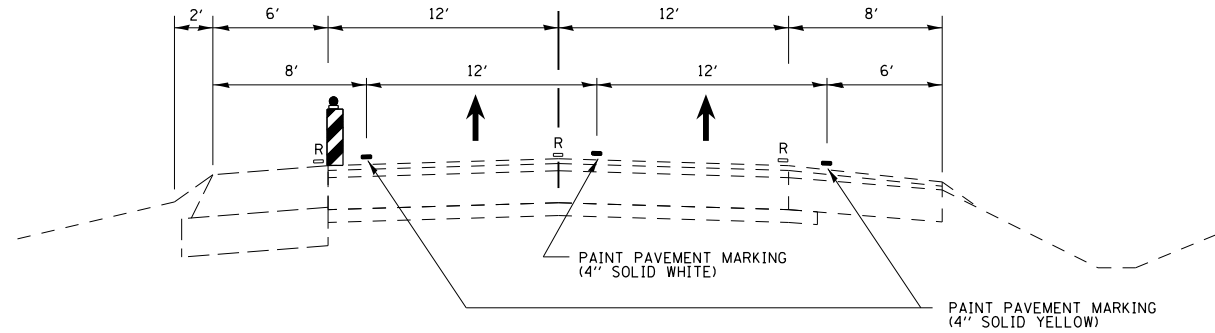
**TYPICAL SECTION
STAGE 3 TRAFFIC CONTROL**



STAGE 3:
CONSTRUCT THE MEDIAN CROSSOVERS.

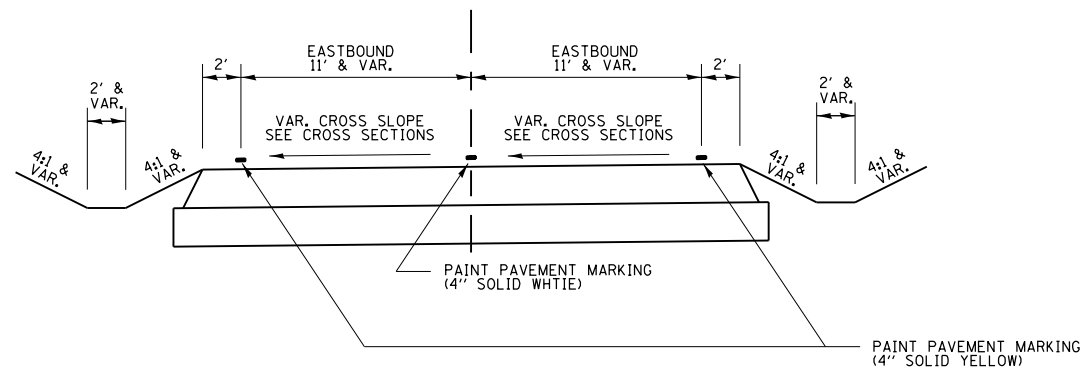
NOTES:
SEE STAGE 3 TRAFFIC CONTROL AND APPROACH SIGNING PLAN SHEETS FOR ADDITIONAL INFORMATION.
REFER TO DROP OFF ALLOWANCE DAYS SPECIAL PROVISION.
TRAFFIC CONTROL SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION (SPECIAL).

IL RTE 13
(EASTBOUND)
LOOKING EAST



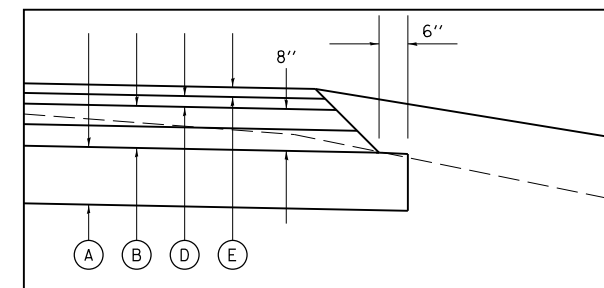
**TYPICAL SECTION
STAGE 3 TRAFFIC CONTROL**

MEDIAN
CROSSOVERS



**TYPICAL SECTION
STAGE 3**

PAVING DETAIL FOR MEDIAN CROSSOVER



- (A) PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 12"
 - (B) HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0 *
 - (D) POLYMERIZED HMA BINDER COURSE, N105, IL-19.0, 2 3/4" *
 - (E) POLYMERIZED HMA SURFACE COURSE, MIX E, N105, 1 1/2"
- * FOR INFORMATION ONLY - NOT PAY ITEMS
SEE MIX DESIGN TABLES FOR MORE INFORMATION

FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 9\Projects\13.d\Drawings\78295\CADD\Sheet\stage3\mmtrmk1.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/11/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICALS /CONSTRUCTION STAGING

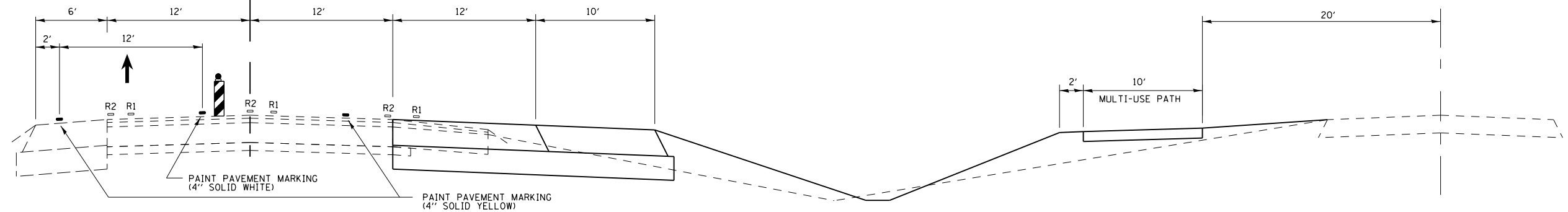
SCALE: SHEET OF SHEETS STA. TO STA.

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	325	54
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				

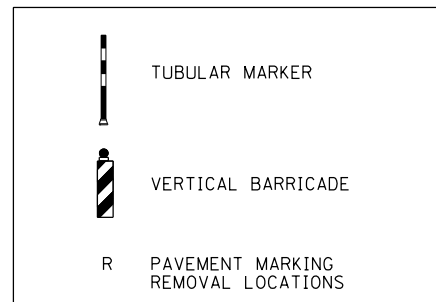
IL RTE 13
(EASTBOUND)
LOOKING EAST

NIGHT WORK
7:00PM TO 7:00 AM

SWEETS DRIVE



**TYPICAL SECTION
STAGE 4**



STAGE 4:

COMPLETE THE EASTBOUND LANE ADDITION, OUTSIDE SHOULDER, AND MULTI-USE TRAIL EAST OF THE MEDIAN CROSSOVER AS SHOWN ON THE CONSTRUCTION STAGING LAYOUT SHEETS.

NOTES:

WESTBOUND TRAFFIC SHALL REMAIN ON STAGE 3 TRAFFIC CONTROL.

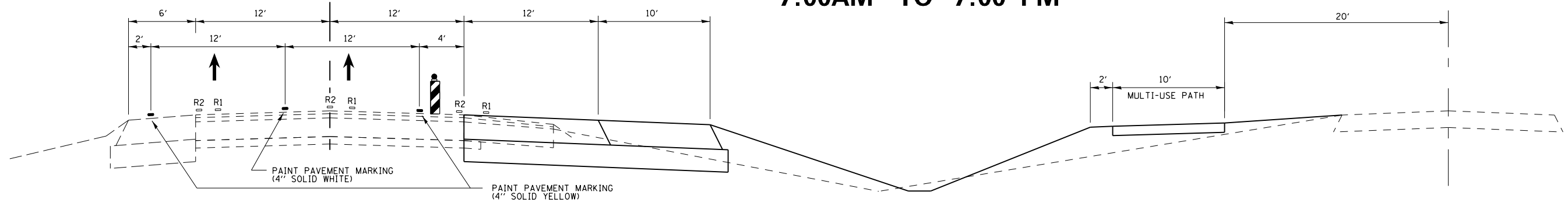
TRAFFIC CONTROL STANDARD 701401 TO BE USED FOR STAGE 4 CONSTRUCTION.

REFER TO DROP OFF ALLOWANCE DAYS SPECIAL PROVISION.

IL RTE 13
(EASTBOUND)
LOOKING EAST

DAYTIME WORK
7:00AM TO 7:00 PM

SWEETS DRIVE

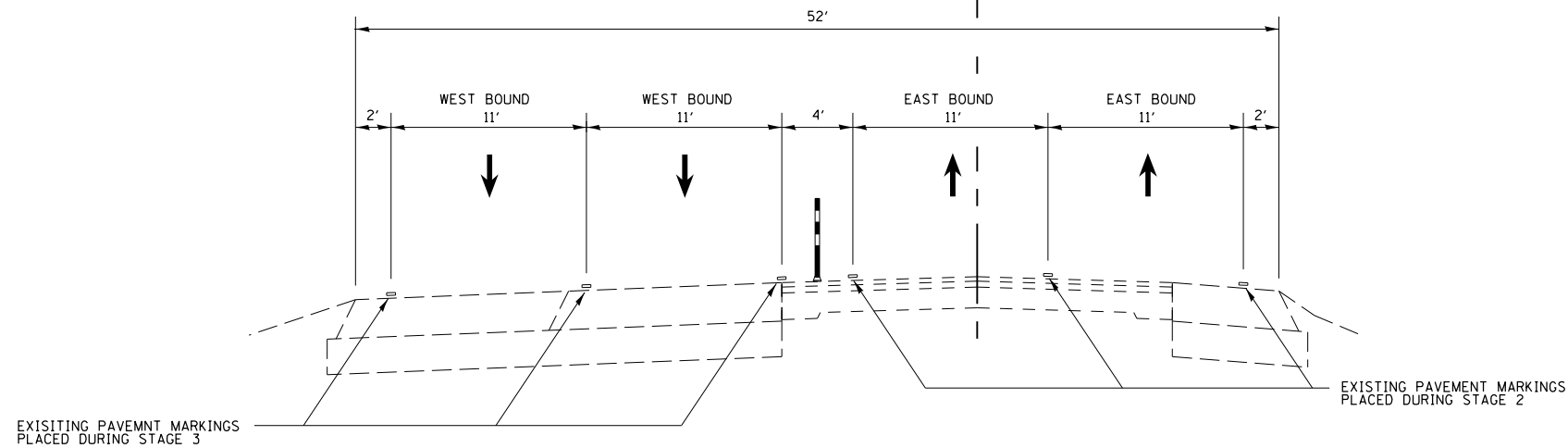


R1 - 92+00 TO 101+00
R2 - 101+00 TO 118+60

**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\PIDOT\Documents\IDOT Offices\District 9\Projects\13...DRAWN	PROJECT = 78295	CHECKED -	REVISED -					331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	55
Default	PLOT DATE = 5/11/2017	DATE -	REVISED -					CONTRACT NO. 78295				ILLINOIS FED. AID PROJECT

IL RTE 13
(WESTBOUND)
LOOKING EAST



**TYPICAL SECTION
STAGE 5 TRAFFIC CONTROL LAYOUT**

STAGE 5:

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

NOTES:

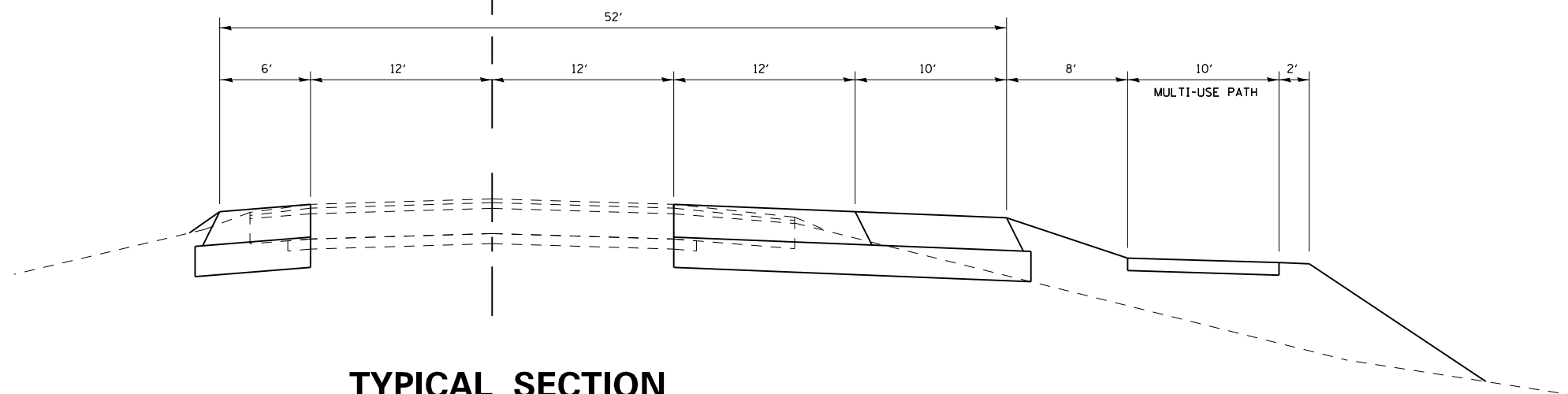
TUBULAR MARKERS SHALL BE SPACED AT 25' CENTERS THE ENTIRE LENGTH BETWEEN THE EAST AND WEST MEDIAN CROSSOVERS AS SHOWN ON THE STAGE 5 TRAFFIC CONTROL LAYOUT SHEET.

SEE STAGE 5 TRAFFIC CONTROL AND APPROACH SIGNING PLAN SHEETS FOR ADDITIONAL INFORMATION.

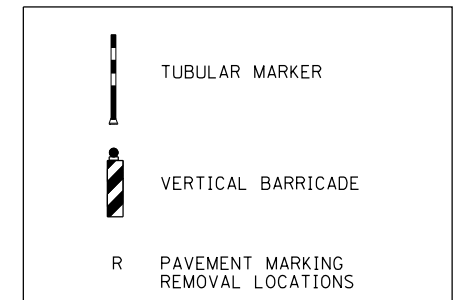
REFER TO DROP OFF ALLOWANCE DAYS SPECIAL PROVISION.

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

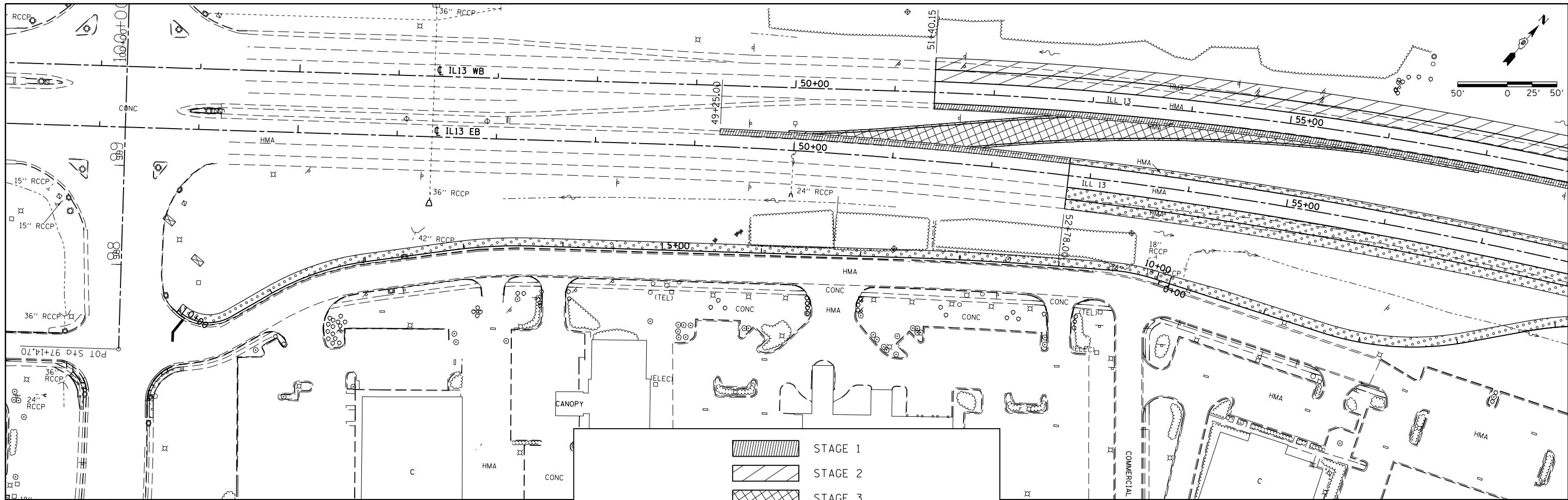
IL RTE 13
(EASTBOUND)
LOOKING EAST



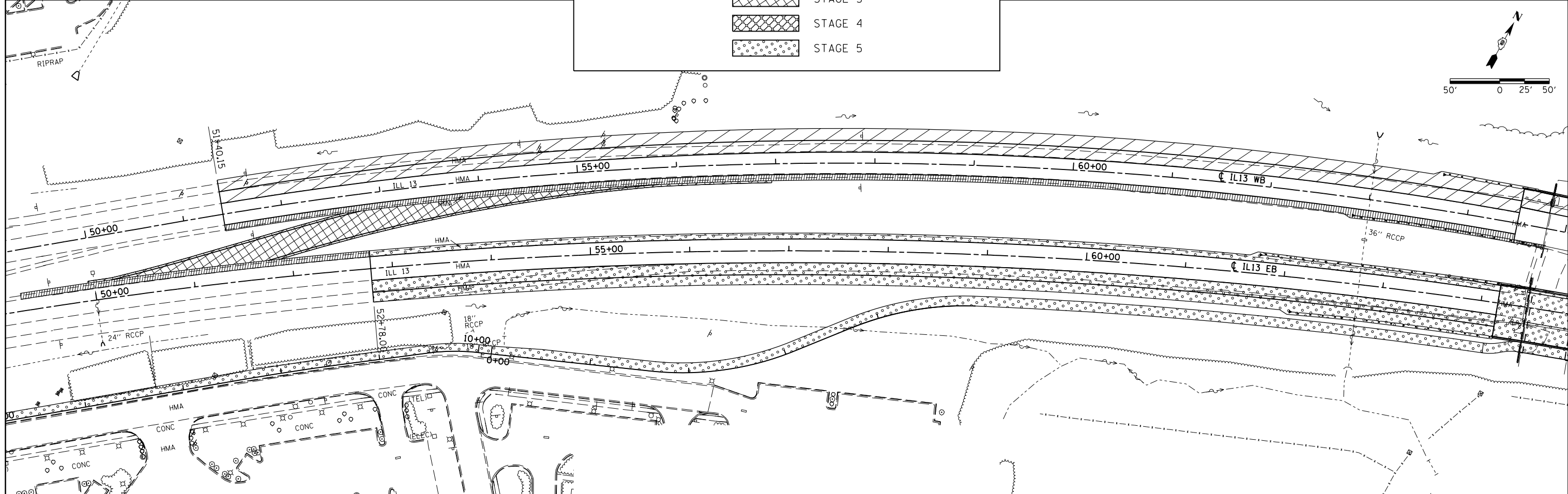
**TYPICAL SECTION
STAGE 5**



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\PIDOT\Documents\IDOT Offices\District 9\Projects\13.g	DRAWN =	CHECKED -	REVISED -				331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	56
Default	PLOT SCALE = 10.0000' / in.	DATE -	REVISED -		CONTRACT NO. 78295						
	PLOT DATE = 5/11/2017	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.



	STAGE 1
	STAGE 2
	STAGE 3
	STAGE 4
	STAGE 5



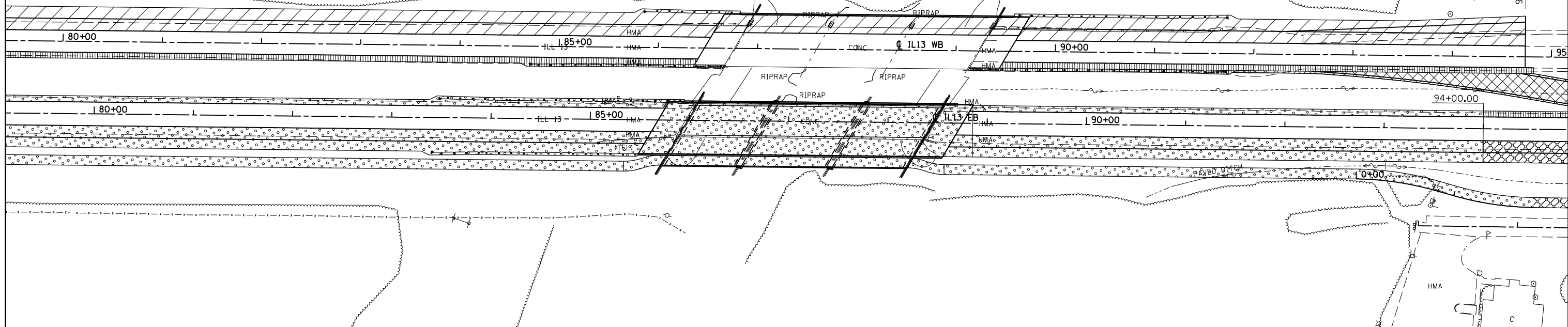
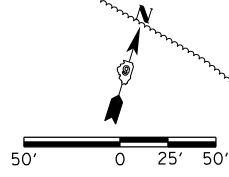
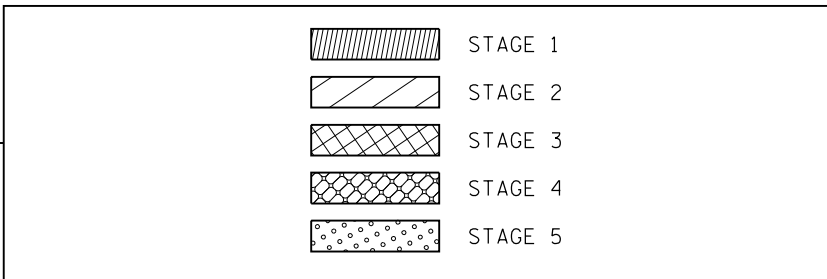
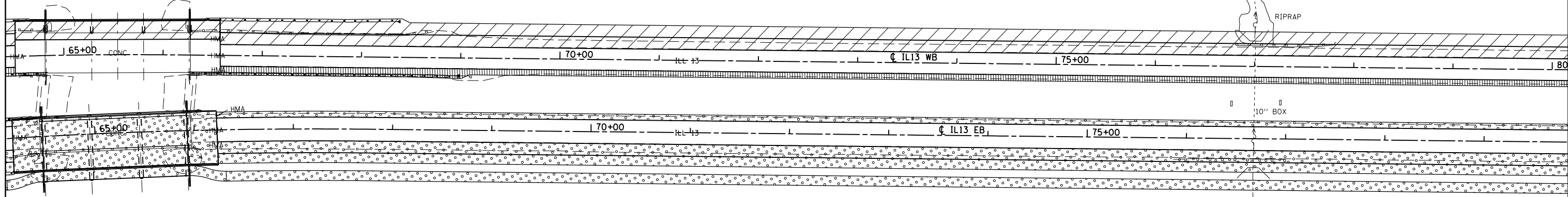
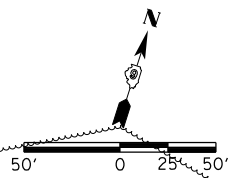
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 3/24/2017		

**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	325	57
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	



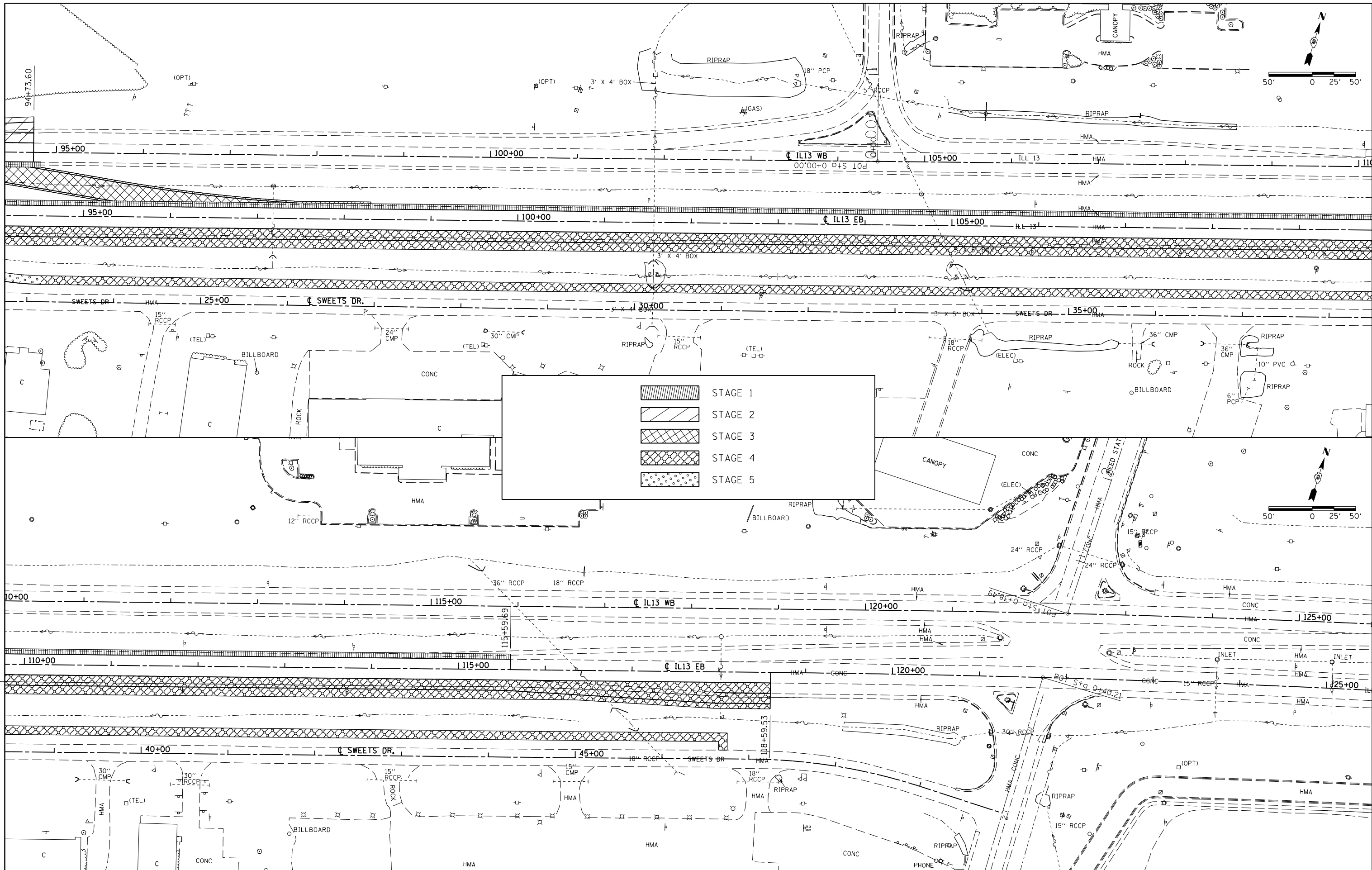
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/24/2017	DATE -	REVISED -

**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	325	58
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	

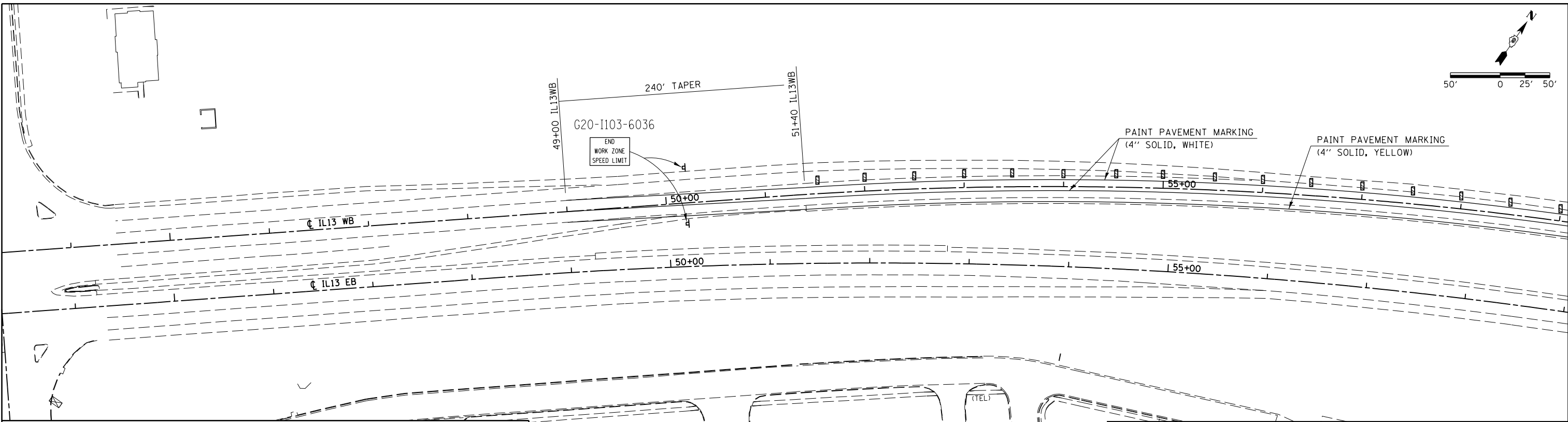
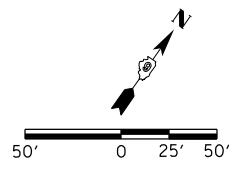


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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/24/2017	DATE -	REVISED -

**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	325	59
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				



NOTES

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

ALL BARRICADES AND DRUMS SHALL BE AT 50 FT CENTERS.

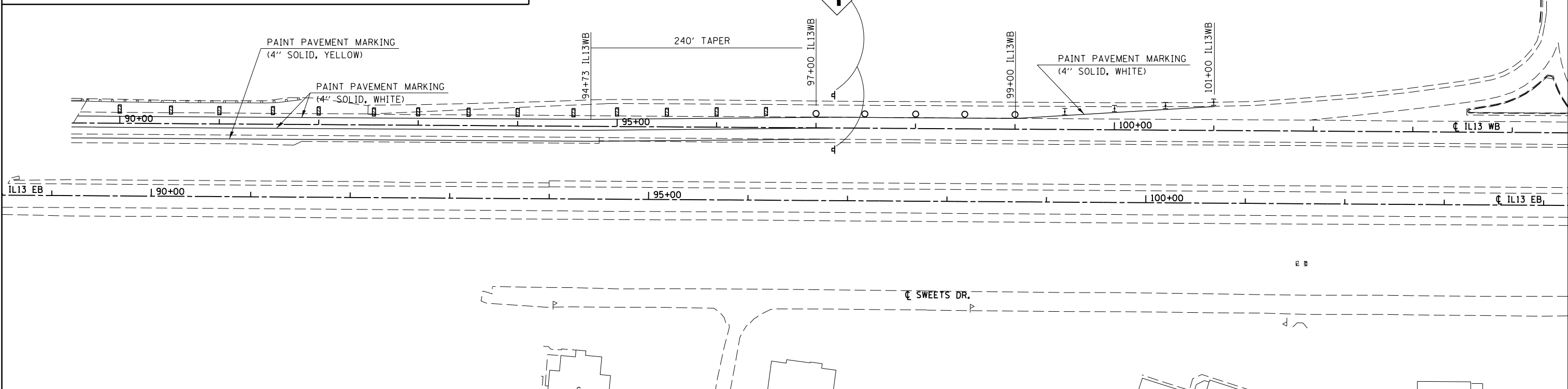
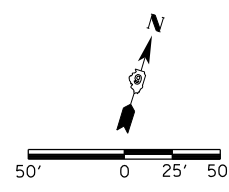
ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.

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
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ VERTICAL BARRICADE
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER
- TUBULAR MARKER
- IMPACT ATTENUATOR



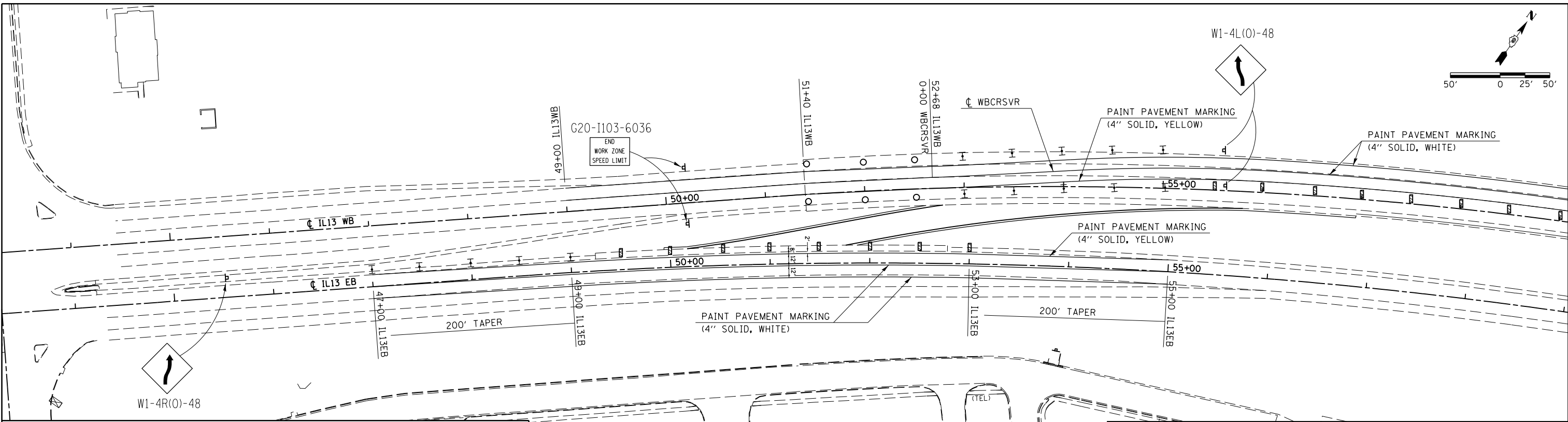
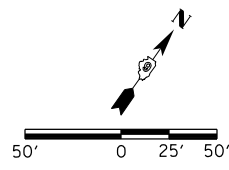
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 3/24/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 2 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	325	60
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	



NOTES

CONFLICTING PAVEMENT MARKINGS ON IL 13 WEST BOUND SHALL BE REMOVED OR COVERED 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.

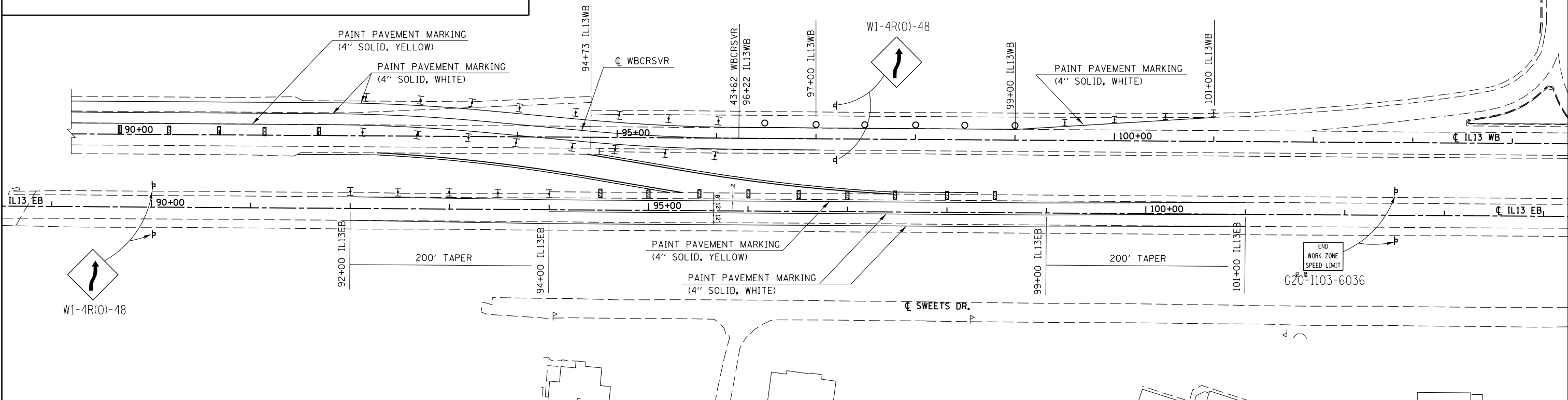
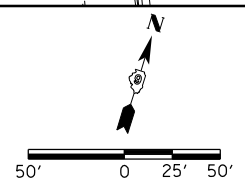
ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.

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
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊕ DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▤ VERTICAL BARRICADE
- ⊓ TYPE III BARRICADE WITH FLASHING LIGHTS
- ▬ TEMPORARY CONCRETE BARRIER
- TUBULAR MARKER
- ▬ IMPACT ATTENUATOR

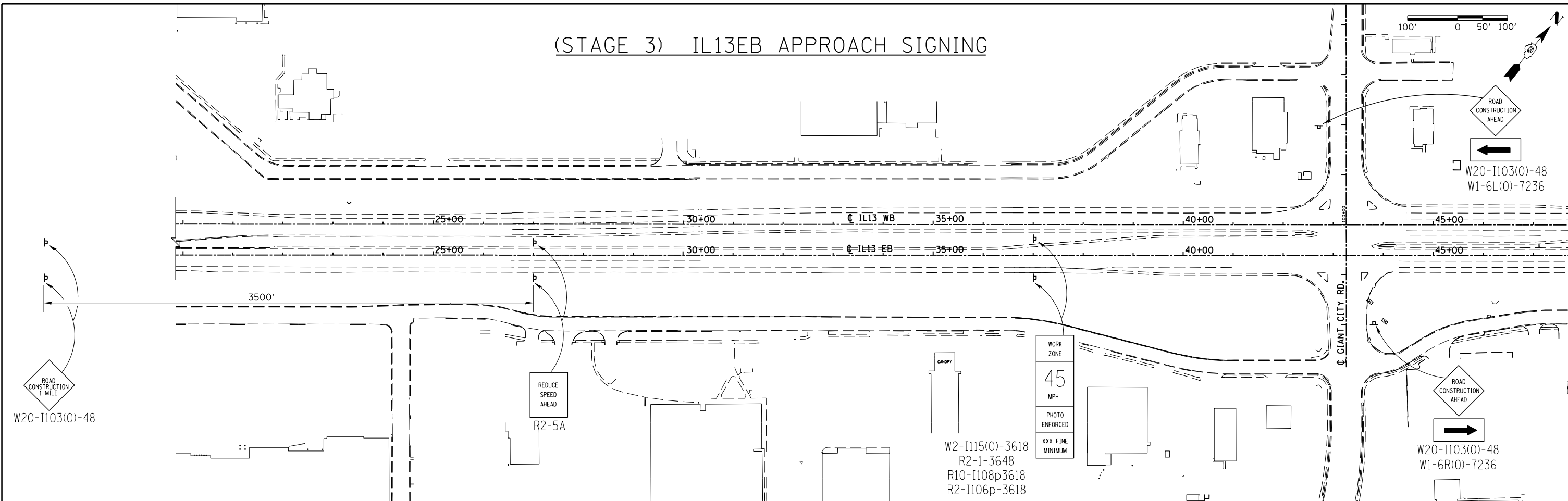


FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 3 PAVEMENT MARKING & TRAFFIC CONTROL LAYOUT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\11084EBIDINTEG\11nois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\13.d\Drawings\78295\CADData\CADsheets\stage3\mtrmk1.dgn	PLotted SCALE = 100.0000' / in.	CHECKED -	REVISED -			331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	61
Default	PLOT DATE = 3/24/2017	DATE -	REVISED -			CONTRACT NO. 78295				

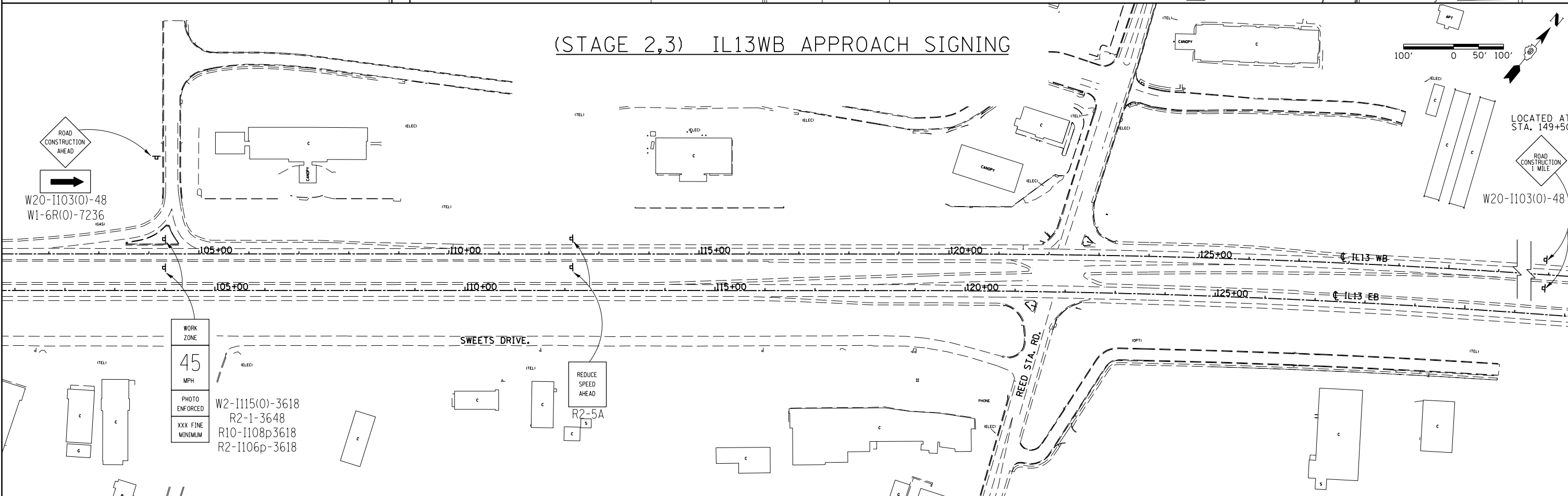
SCALE: SHEET OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

(STAGE 3) IL13EB APPROACH SIGNING



(STAGE 2,3) IL13WB APPROACH SIGNING



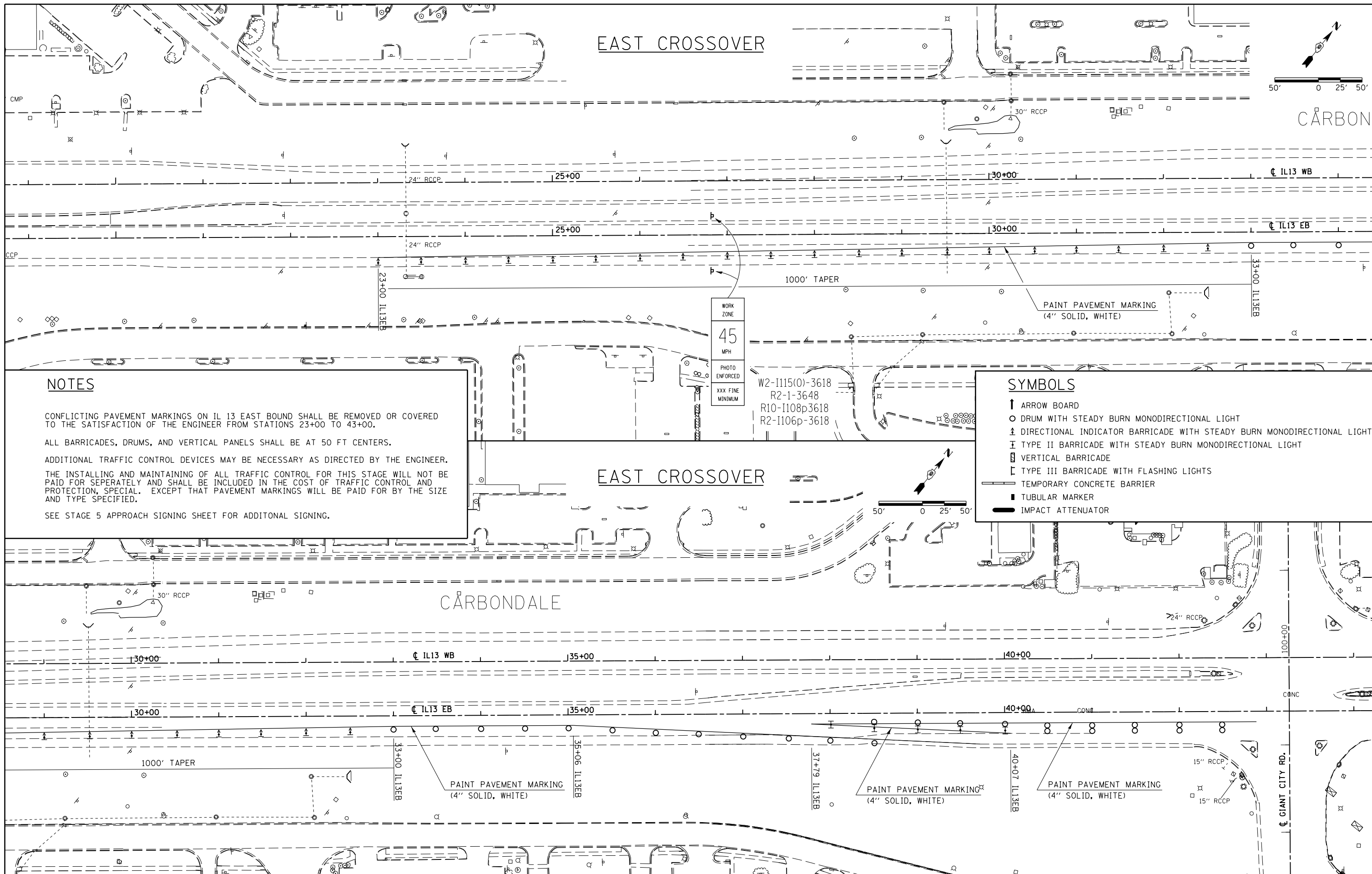
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Default		CHECKED -	REVISED -
	PLOT DATE = 3/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2, 3 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	325	62
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				



NOTES

CONFLICTING PAVEMENT MARKINGS ON IL 13 EAST BOUND SHALL BE REMOVED OR COVERED 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 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 5 APPROACH SIGNING SHEET FOR ADDITIONAL SIGNING.

SYMBOLS

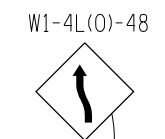
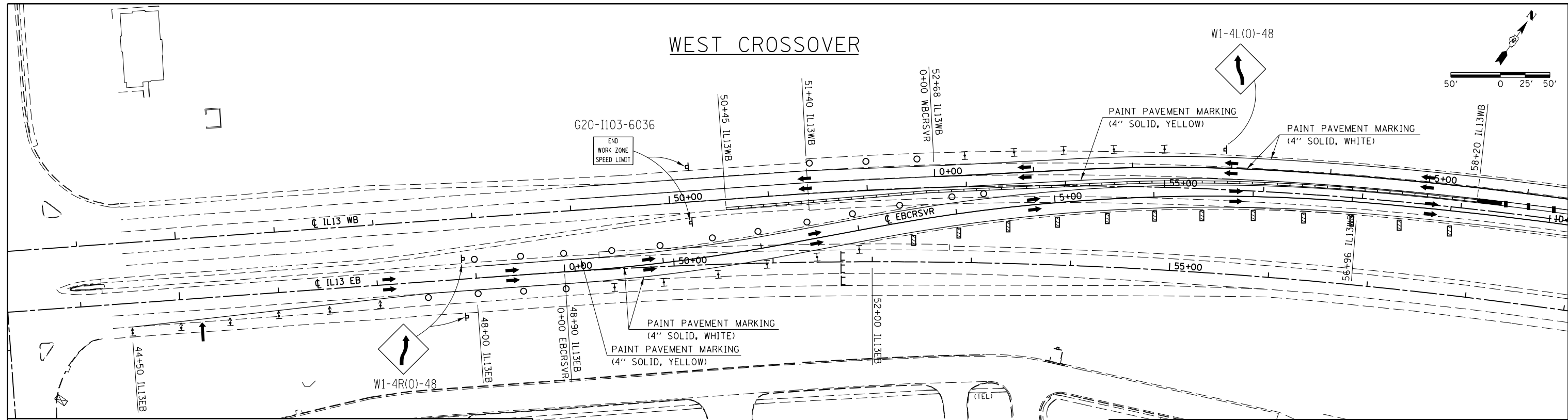
- ↑ ARROW BOARD
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ VERTICAL BARRICADE
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHTS
- ▬ TEMPORARY CONCRETE BARRIER
- TUBULAR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

WORK ZONE
45
MPH
PHOTO ENFORCED
XXX FINE MINIMUM

W2-I115(O)-3618
R2-1-3648
R10-I108p3618
R2-I106p-3618

FILE NAME =	USER NAME = naasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 5 PAVEMENT MARKING & TRAFFIC CONTROL LAYOUT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBID\INTEG\Illinois.gov\PIWIDOT\Documents\DOT Offices\District 9\Projects\13...DRAWN=78295\CADData\CADsheets\sta...REVISED=78295\mtrmk1.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	63
Default	PLOT DATE = 3/24/2017	DATE -	REVISED -			CONTRACT NO. 78295		ILLINOIS FED. AID PROJECT		

WEST CROSSOVER



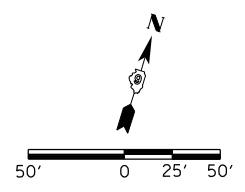
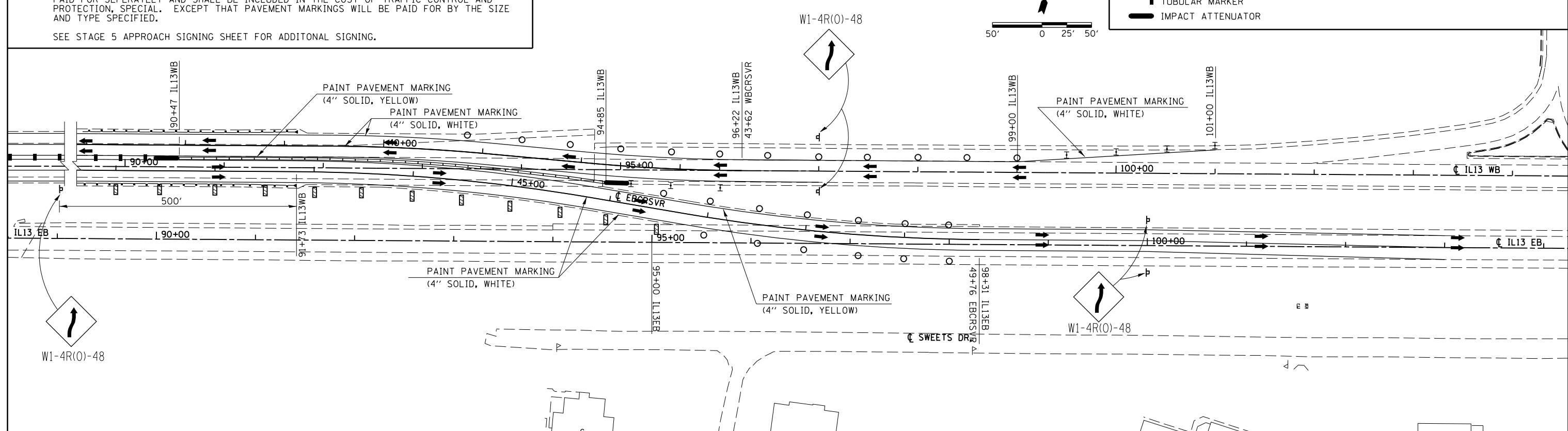
NOTES

CONFLICTING PAVEMENT MARKINGS ON IL 13 WEST BOUND SHALL BE REMOVED OR COVERED 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 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 5 APPROACH SIGNING SHEET FOR ADDITIONAL SIGNING.

SYMBOLS

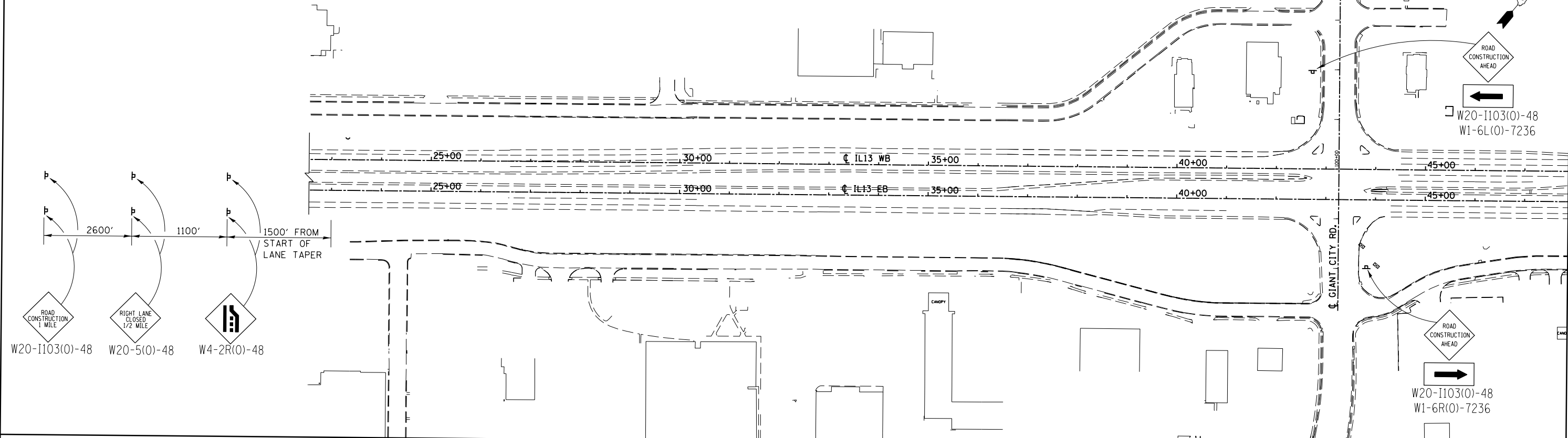
- ↑ ARROW BOARD
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊕ DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▣ VERTICAL BARRICADE
- ⊓ TYPE III BARRICADE WITH FLASHING LIGHTS
- ▬ TEMPORARY CONCRETE BARRIER
- TUBULAR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

EAST CROSSOVER

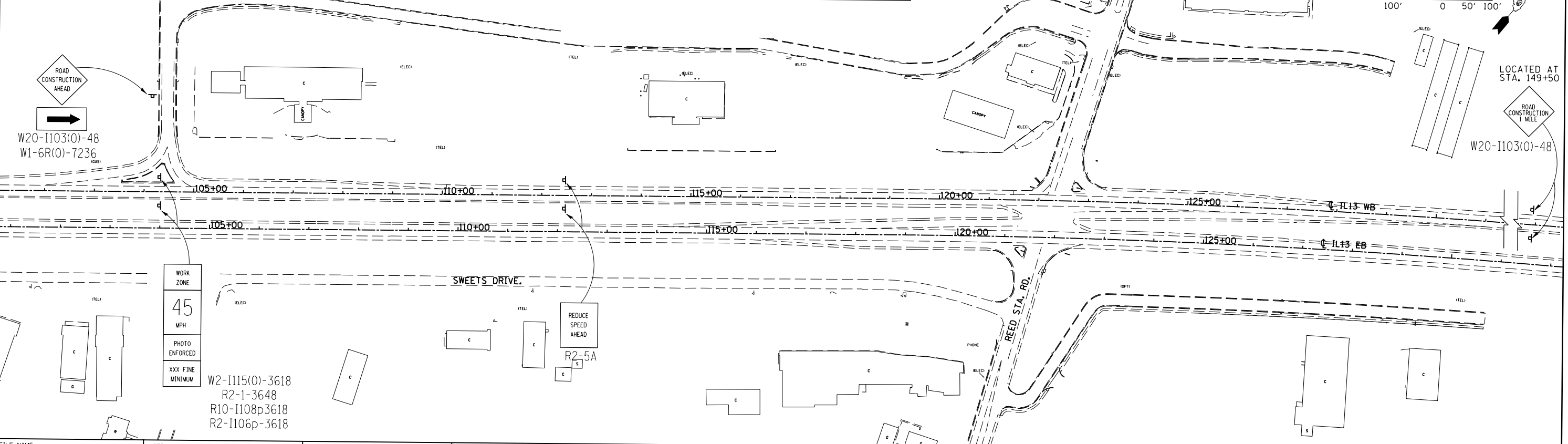


FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 5 PAVEMENT MARKING & TRAFFIC CONTROL LAYOUT	F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT DATE = 5/11/2017	DATE -	REVISED -			CONTRACT NO. 78295		ILLINOIS FED. AID PROJECT		

IL13EB APPROACH SIGNING



IL13WB APPROACH SIGNING



FILE NAME =	USER NAME = naasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 5 APPROACH SIGNING			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 202.7626 // in.		DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 78295				
Default					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

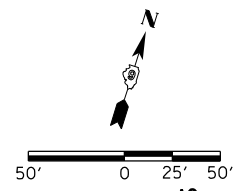
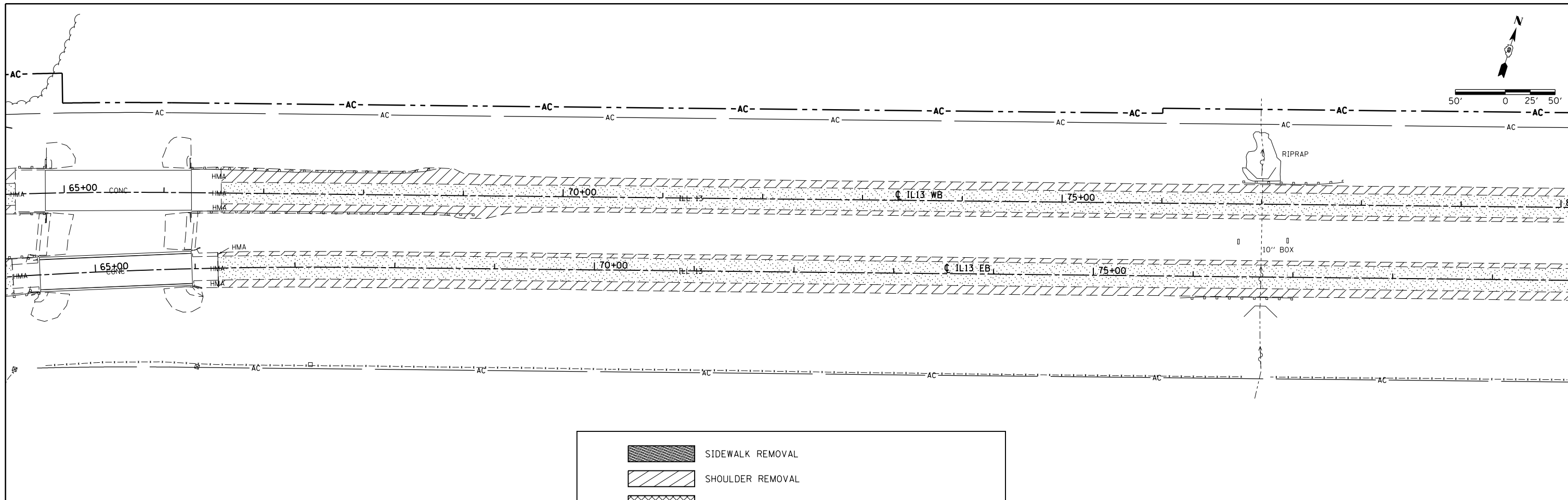
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 3/24/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

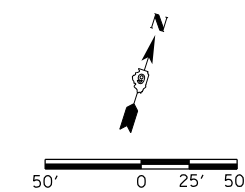
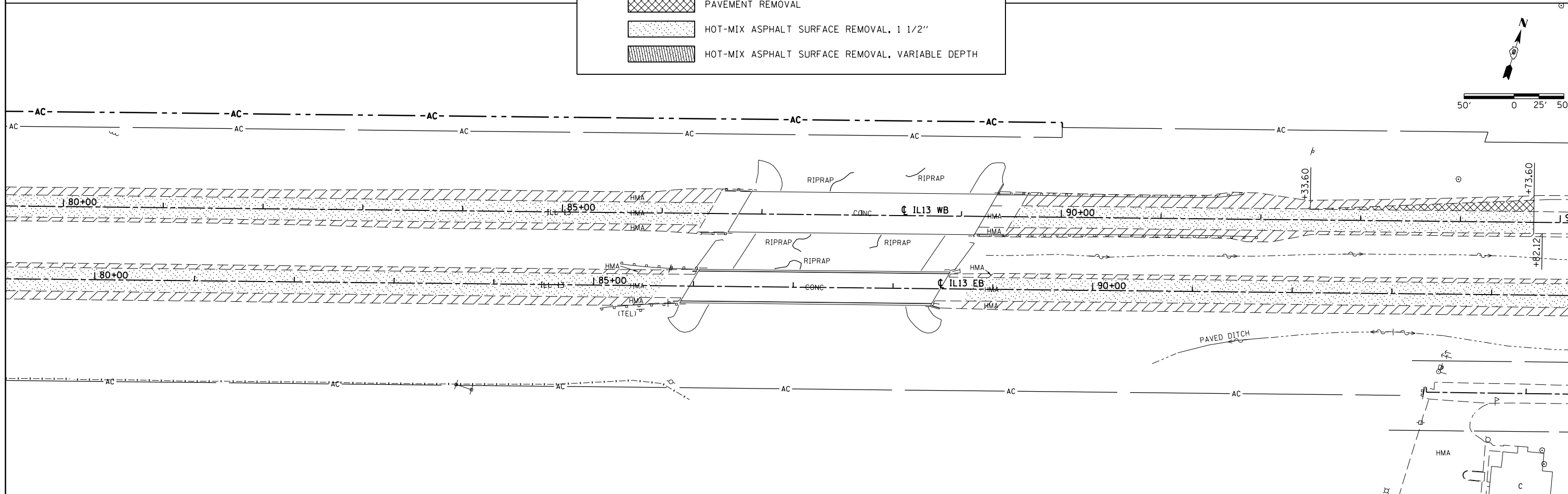
REMOVAL SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

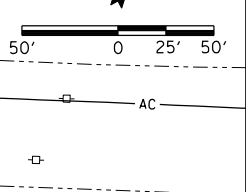
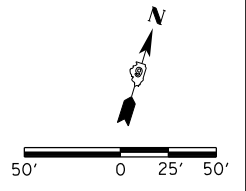
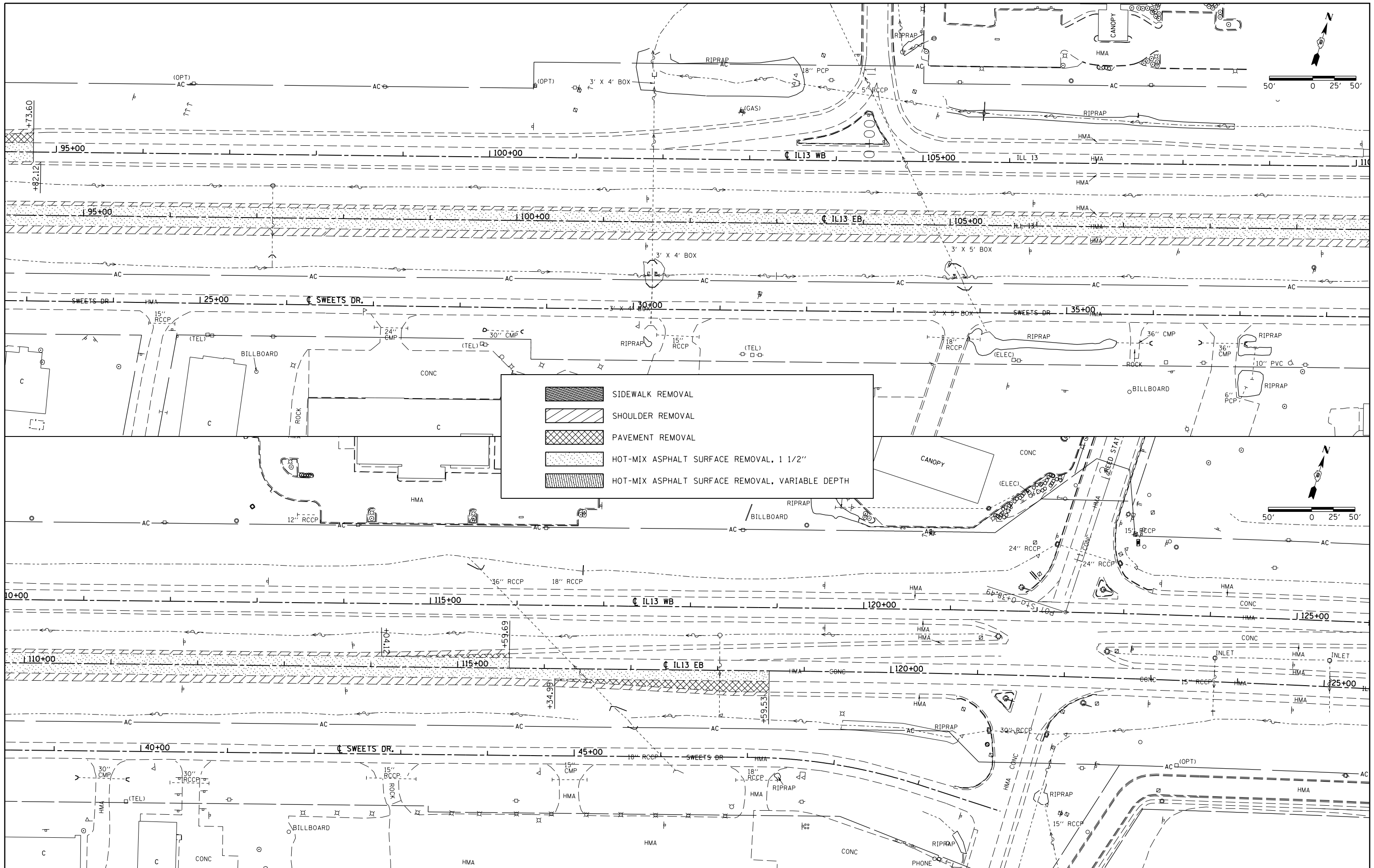
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	66
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	



	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 -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL SHEET				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 9\Projects\13.g	DRAWN =	CHECKED -	REVISED -		331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	67				
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 78295				
	PLOT DATE = 3/24/2017			ILLINOIS FED. AID PROJECT									



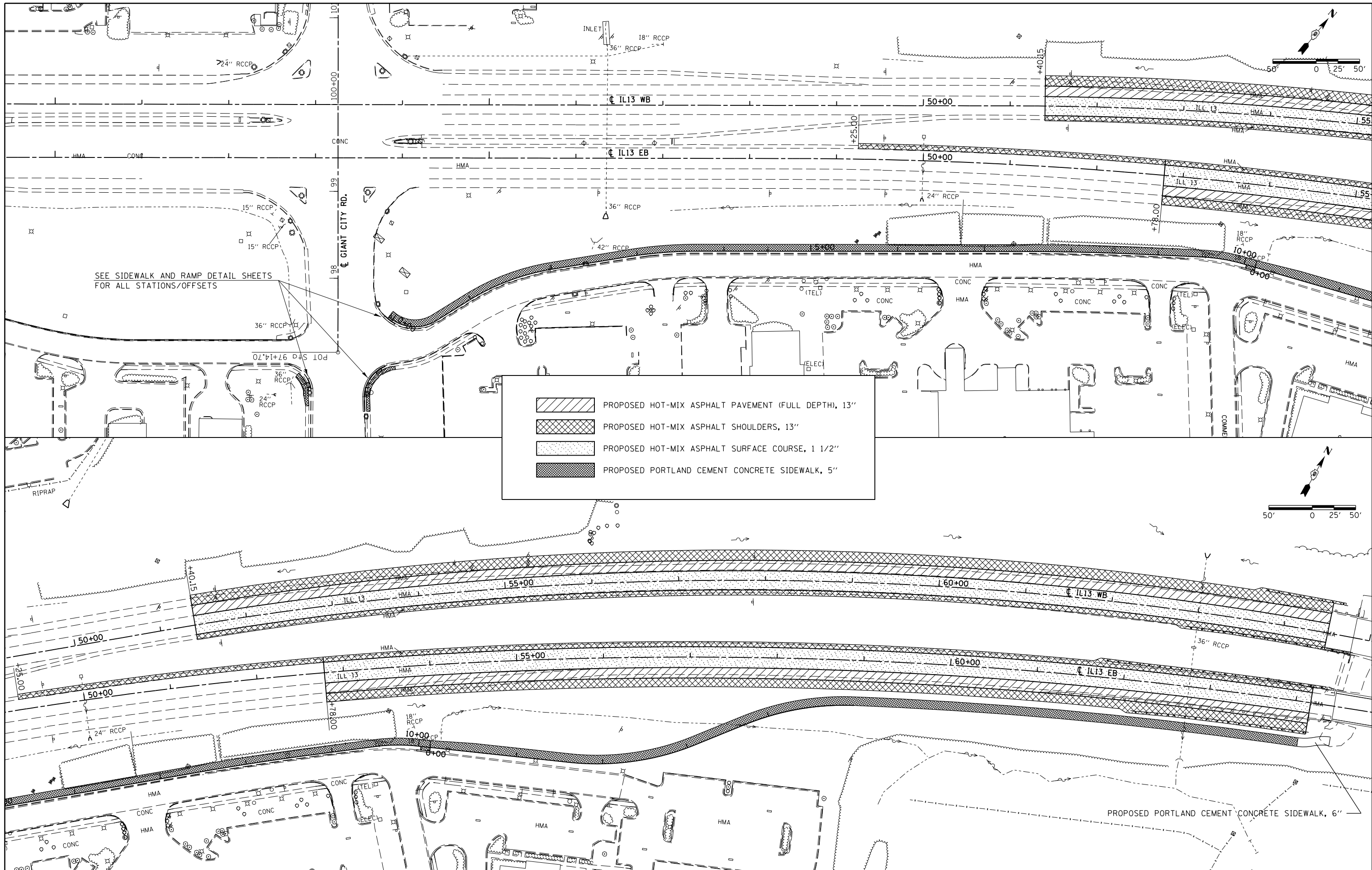
	SIDEWALK REMOVAL
	SHOULDER REMOVAL
	PAVEMENT REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -
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Default	PLOT DATE = 3/24/2017	DATE -	REVISED -

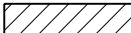

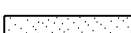

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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	325	68
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				



SEE SIDEWALK AND RAMP DETAIL SHEETS FOR ALL STATIONS/OFFSETS

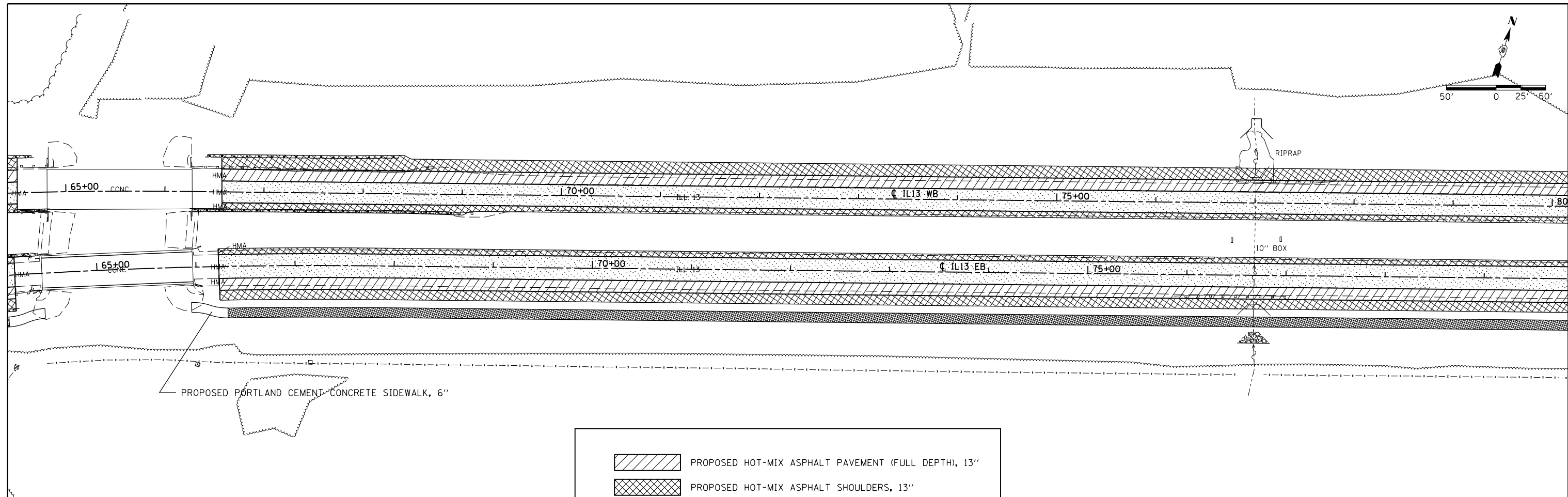
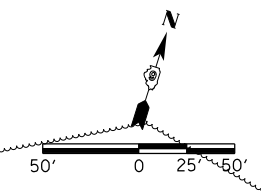
-  PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 13"
-  PROPOSED HOT-MIX ASPHALT SHOULDERS, 13"
-  PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
-  PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5"

50' 0 25' 50'

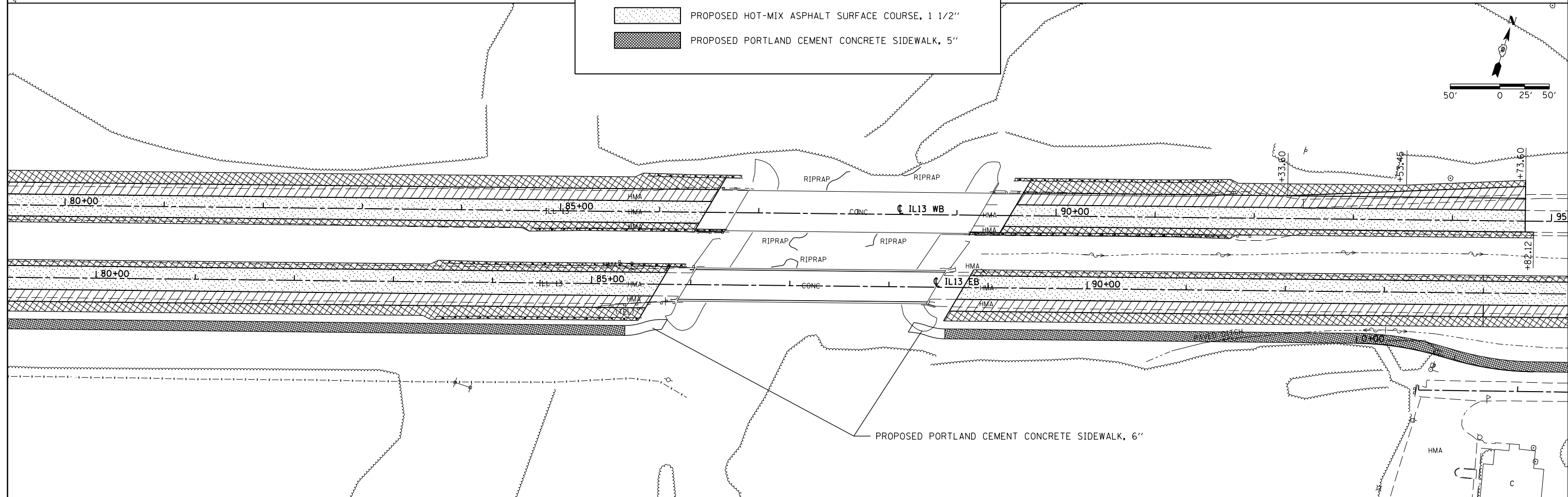
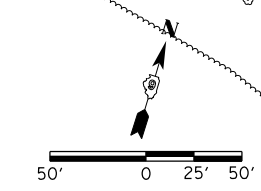
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pw:\11\084EBID\INTEG.illinois.gov\PIWID\Documents\DOT Offices\District 9\Projects\13.g	DRAWN = 78295\CADData\CADsheets\sh	CHECKED -	REVISED -					331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	69
Default	PLOT DATE = 3/24/2017	DATE -	REVISED -					CONTRACT NO. 78295				

SCALE: SHEET OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT



	PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 13"
	PROPOSED HOT-MIX ASPHALT SHOULDERS, 13"
	PROPOSED HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
	PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5"

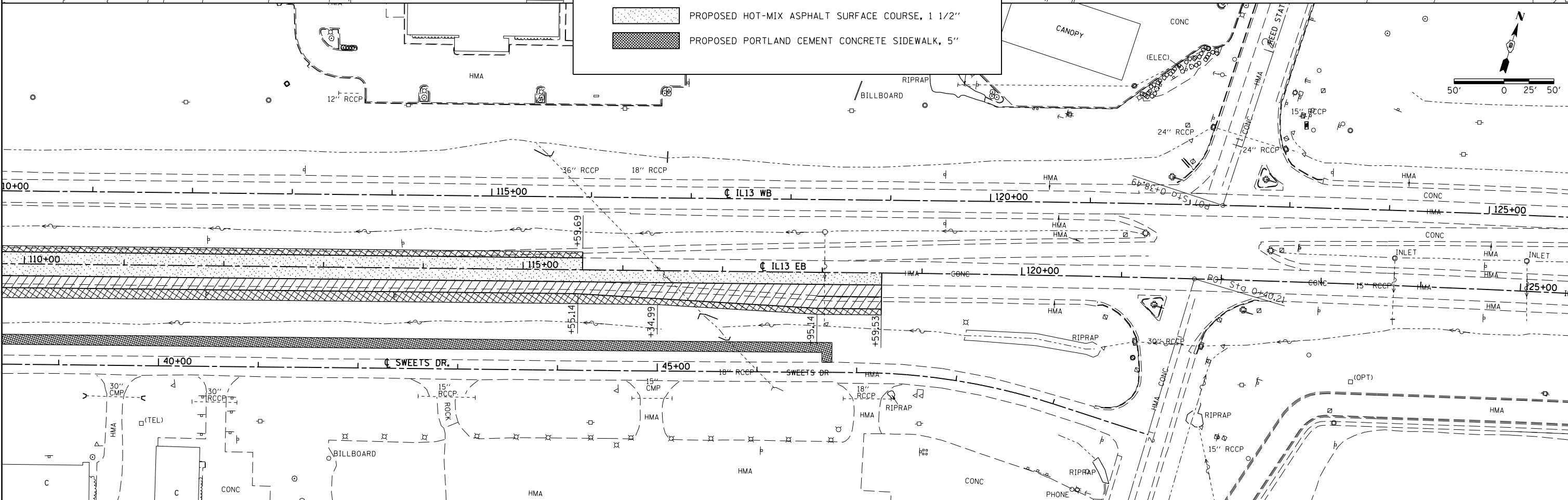
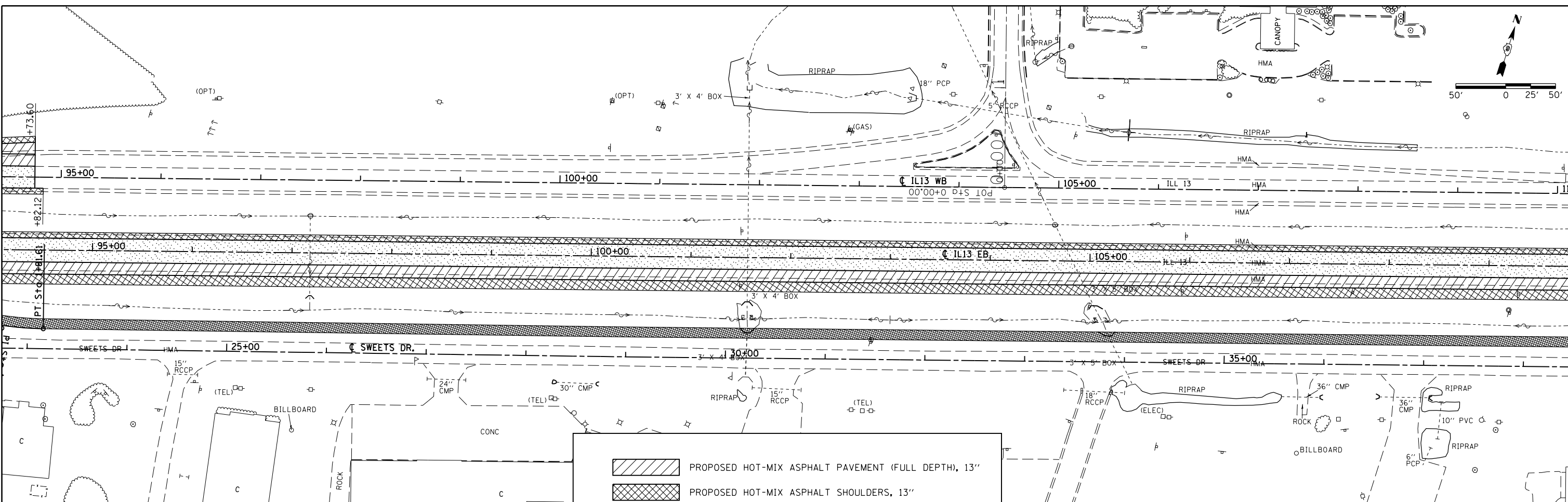


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

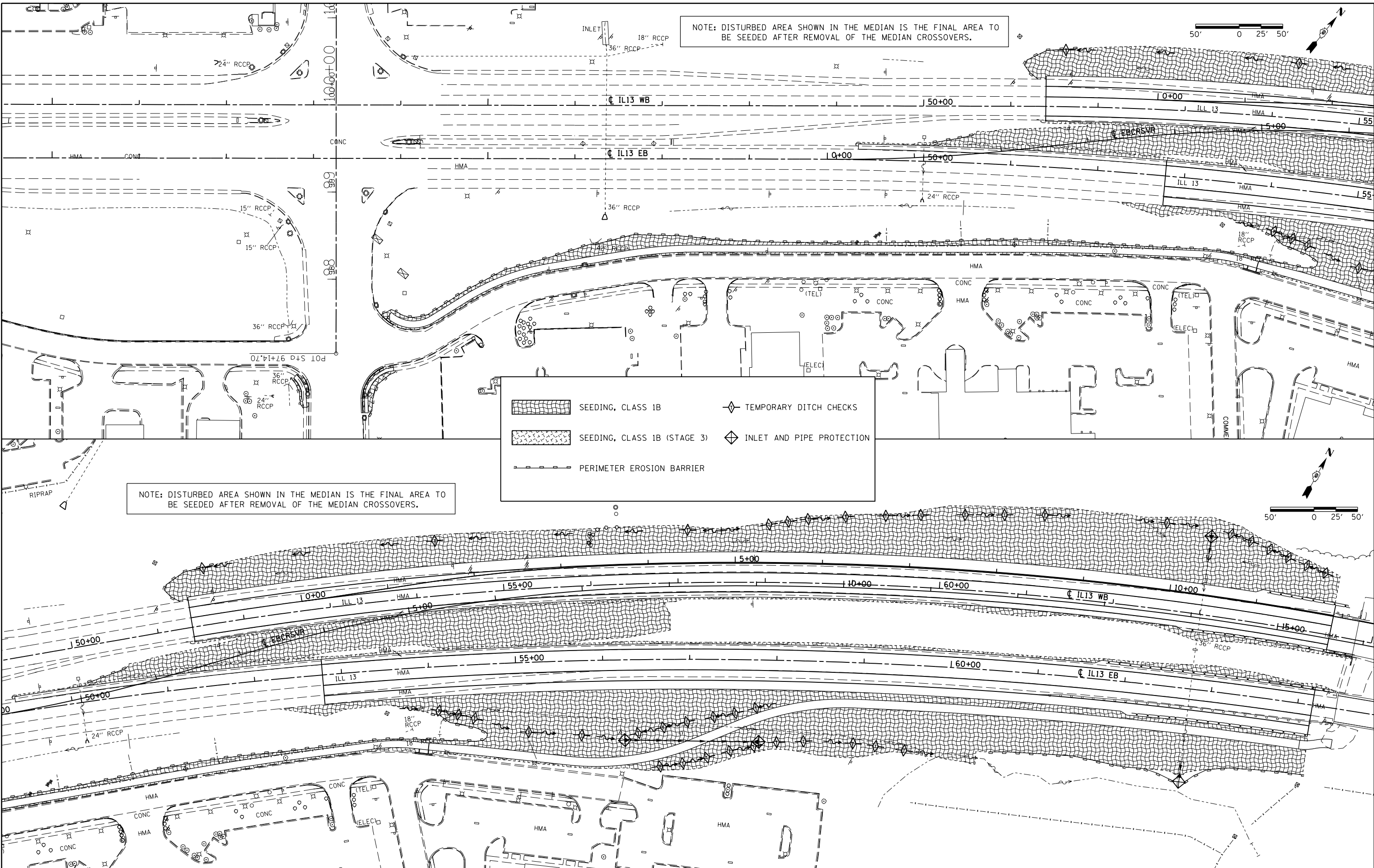
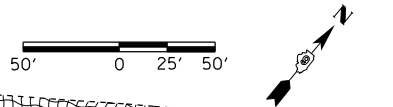
CONSTRUCTION SHEET				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

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	370	70
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	



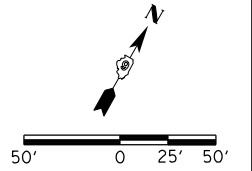
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NOTE: DISTURBED AREA SHOWN IN THE MEDIAN IS THE FINAL AREA TO BE SEEDDED AFTER REMOVAL OF THE MEDIAN CROSSOVERS.



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		

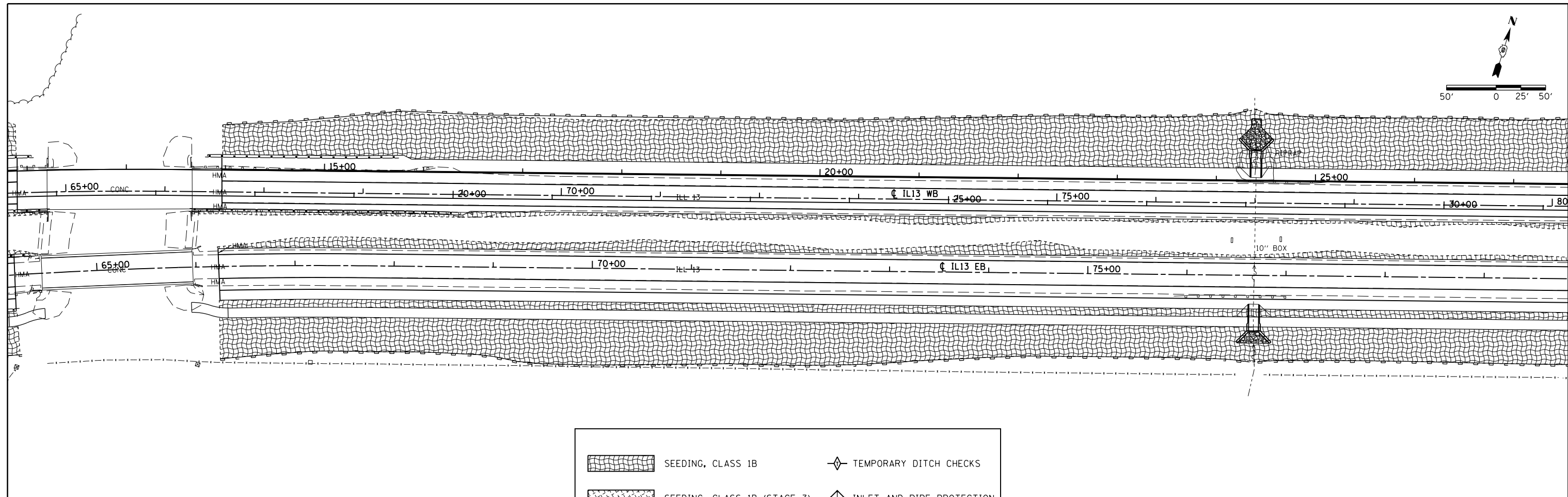
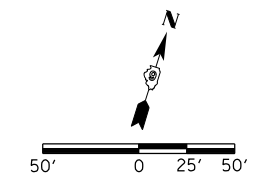


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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 3/24/2017		

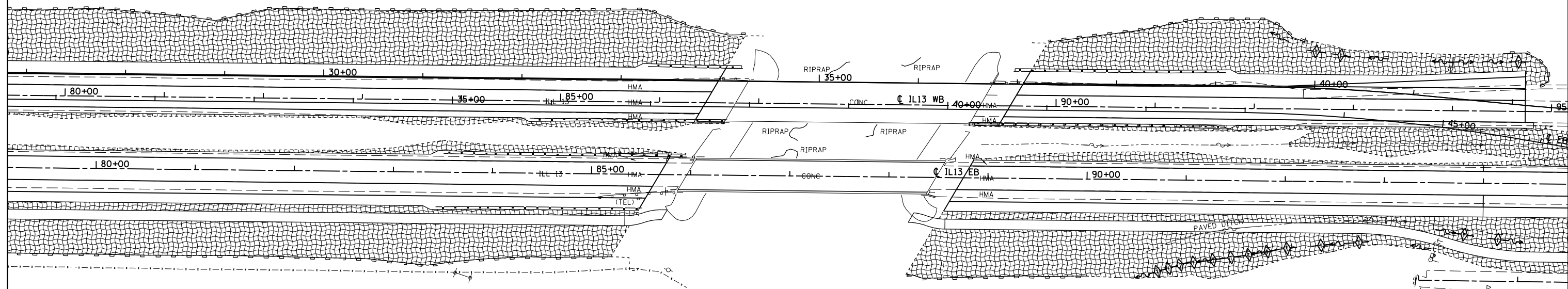
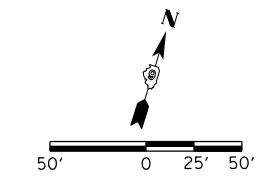
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

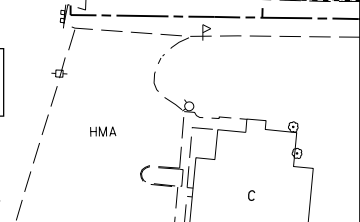
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	72
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				



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



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



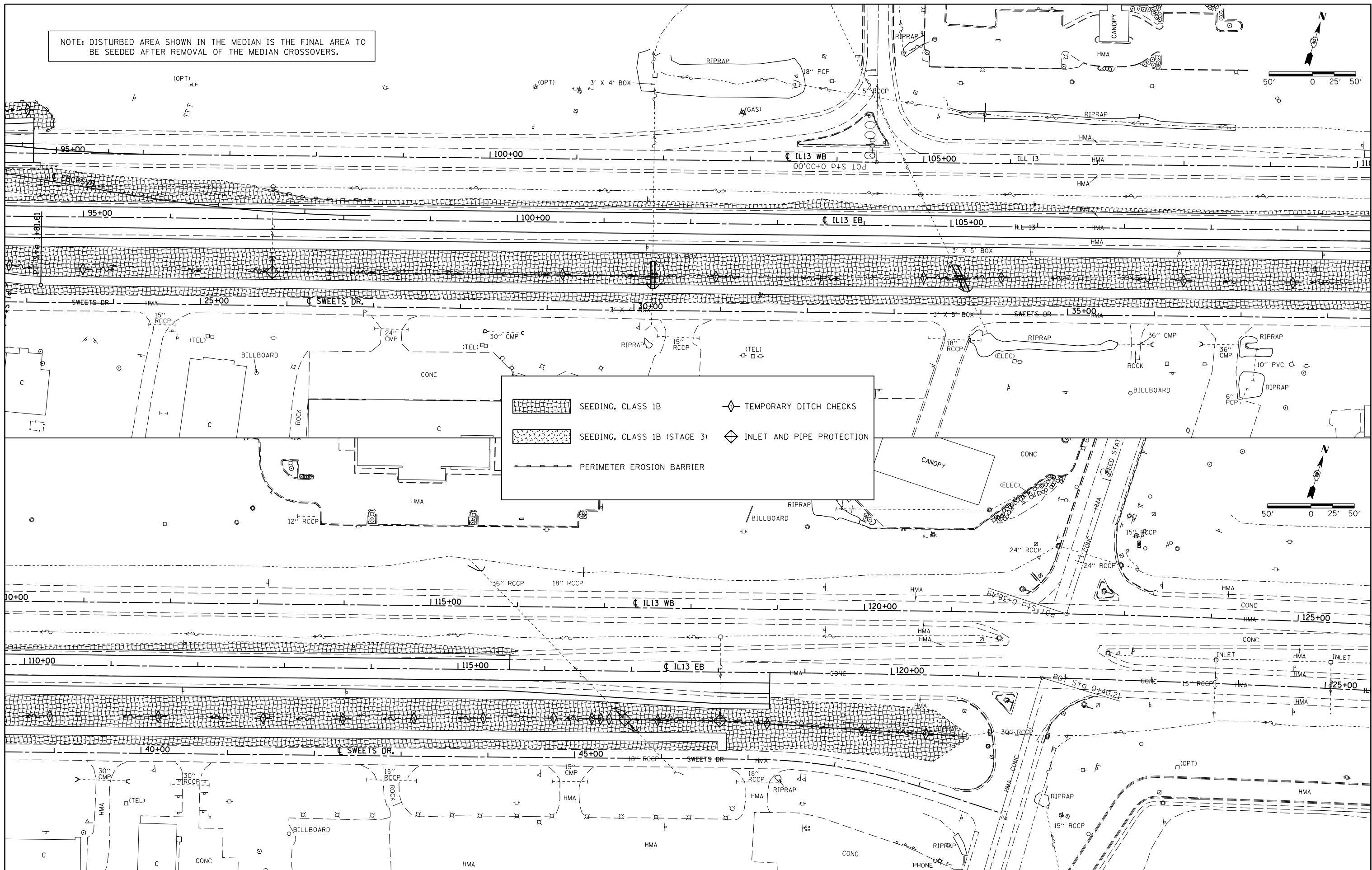
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Default	PLOT DATE = 3/24/2017	DATE -	REVISED -

**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	325	73
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.



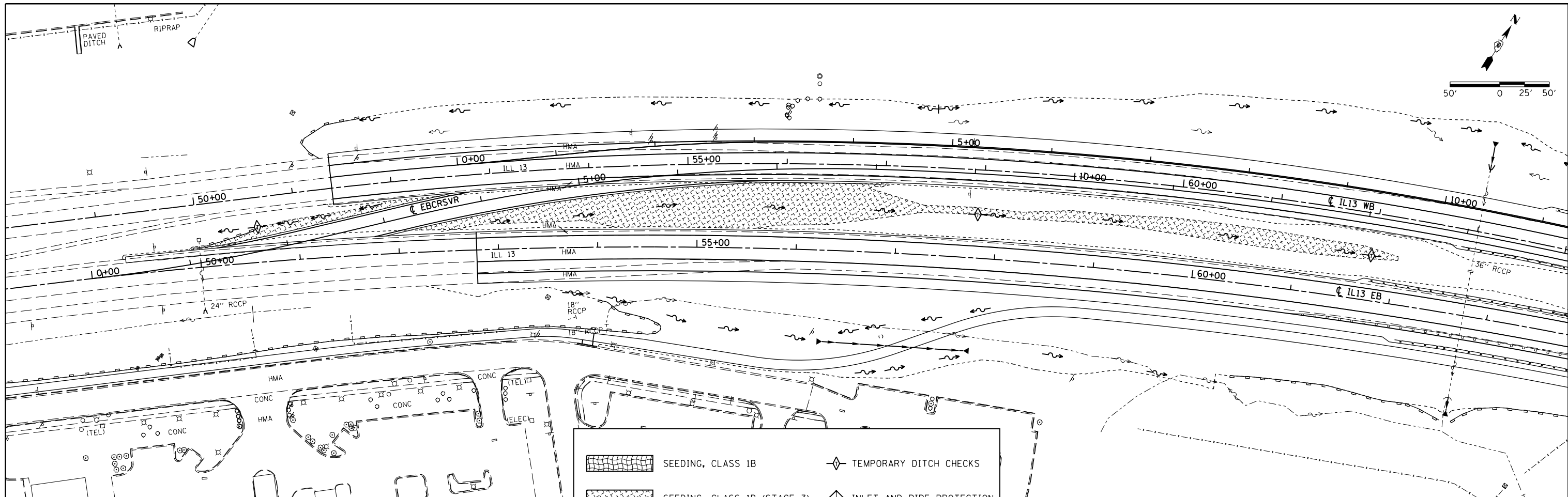
	SEEDING, CLASS 1B		TEMPORARY DITCH CHECKS
	SEEDING, CLASS 1B (STAGE 3)		INLET AND PIPE PROTECTION
	PERIMETER EROSION BARRIER		

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		CHECKED -	REVISED -
		DATE -	REVISED -

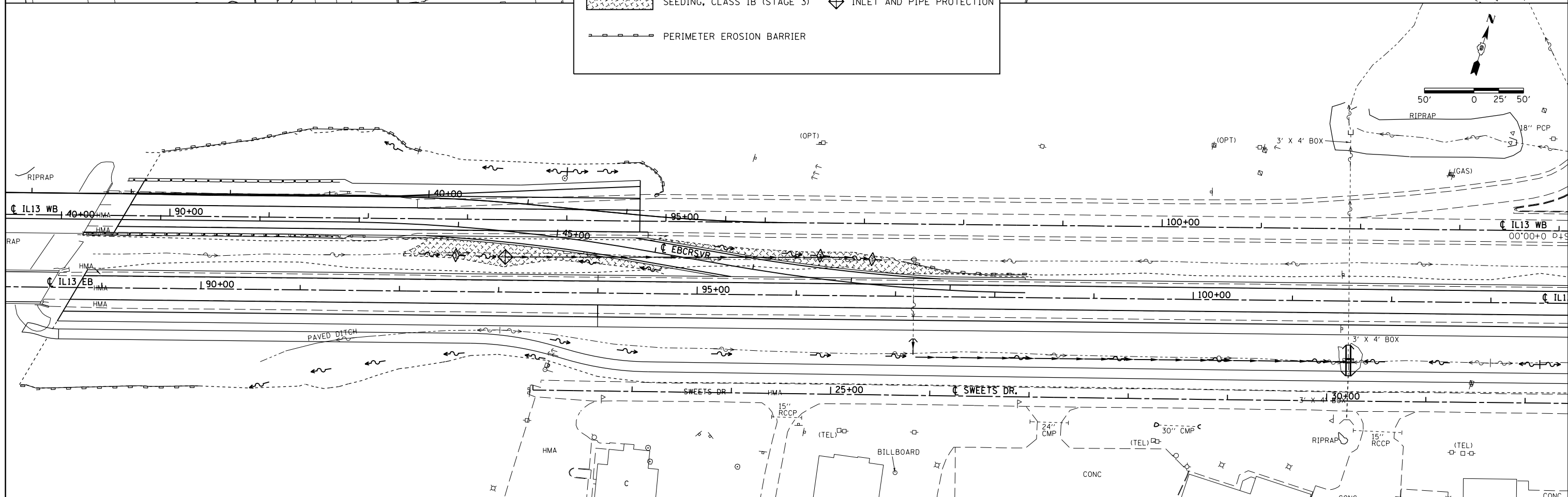
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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	325	74
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		

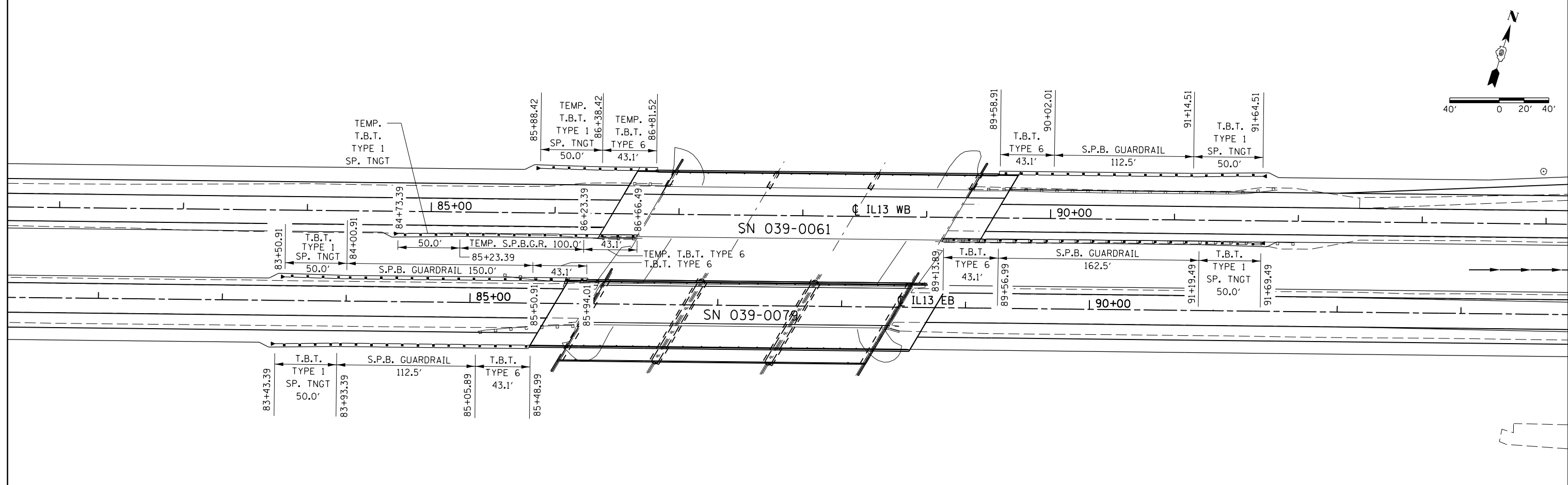
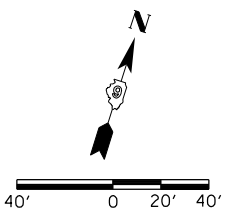
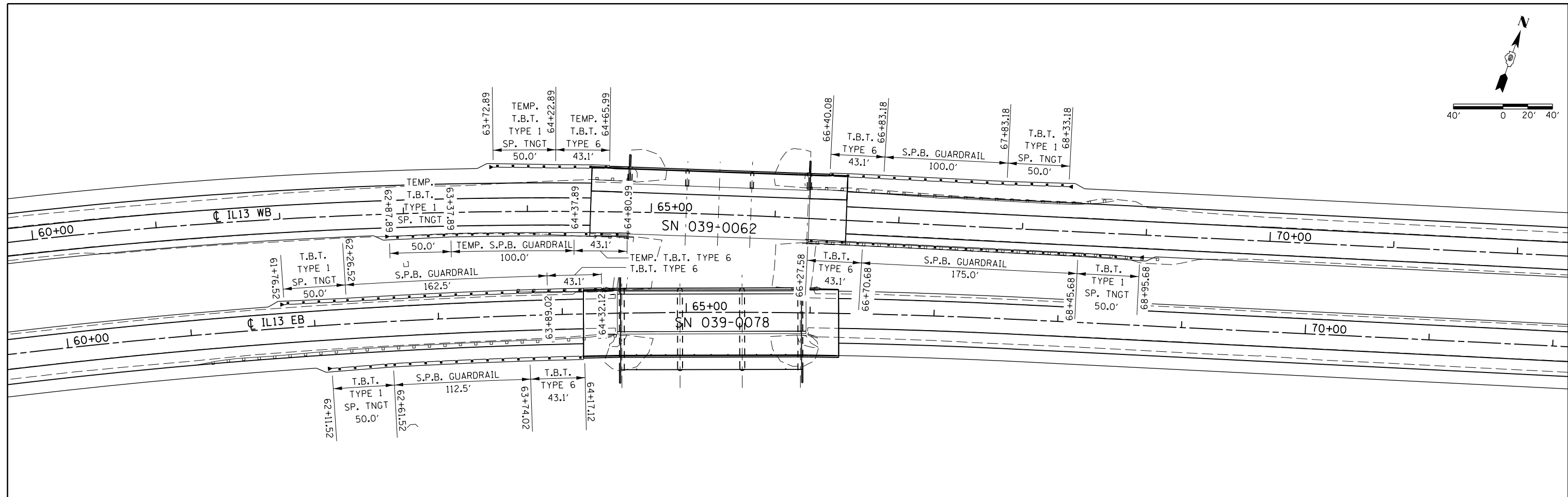
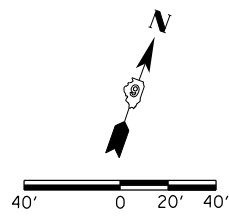


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	PLOT DATE = 3/24/2017	DATE -	REVISED -

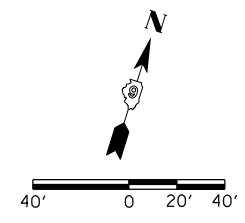
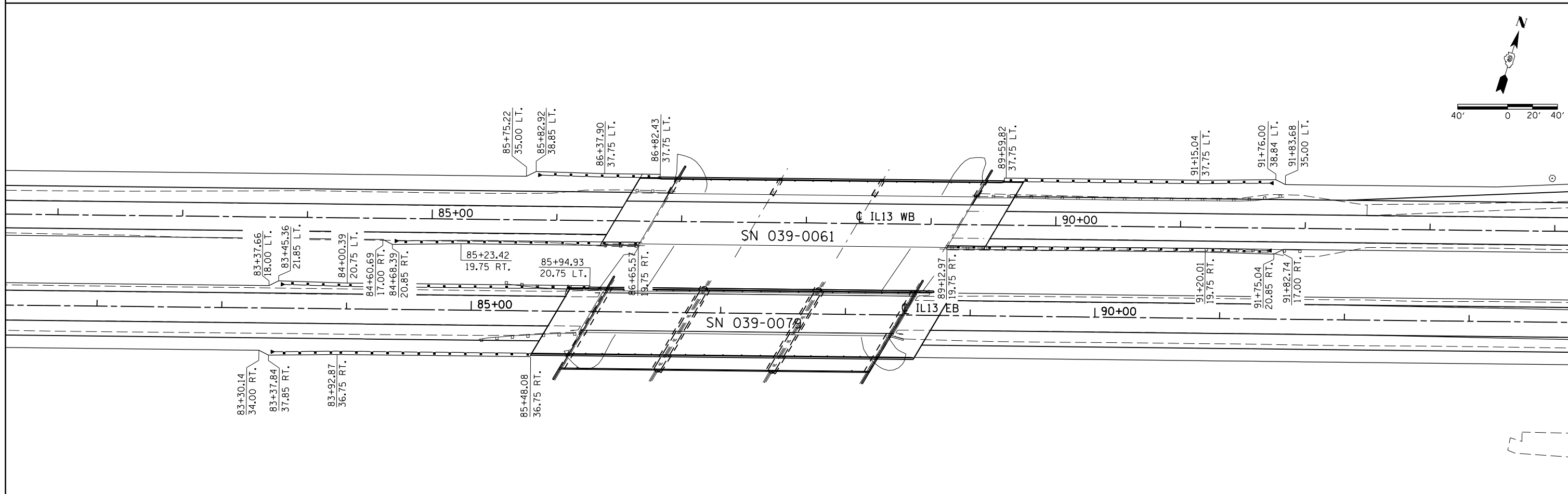
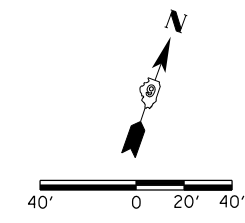
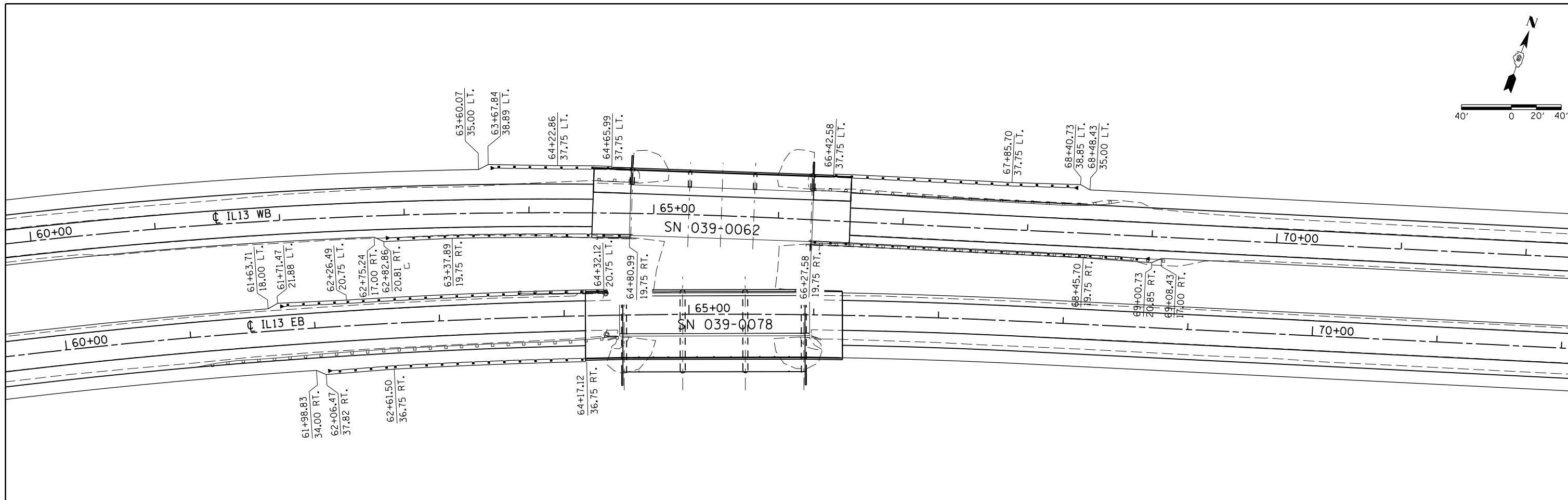
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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	325	75
				CONTRACT NO. 78295
ILLINOIS FED. AID PROJECT				

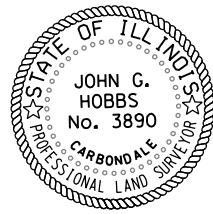


FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL LAYOUT				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\13.0\Drawings\178295\CADDData\CADsheets\sh	DRAWN -	CHECKED -	REVISED -						331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	76
Default	PLOT SCALE = 80.0000' / in.	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 78295				
	PLOT DATE = 3/24/2017								ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = naasdp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOT-MIX ASPHALT SHOULDER AT GUARDRAIL				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	325	77
		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.

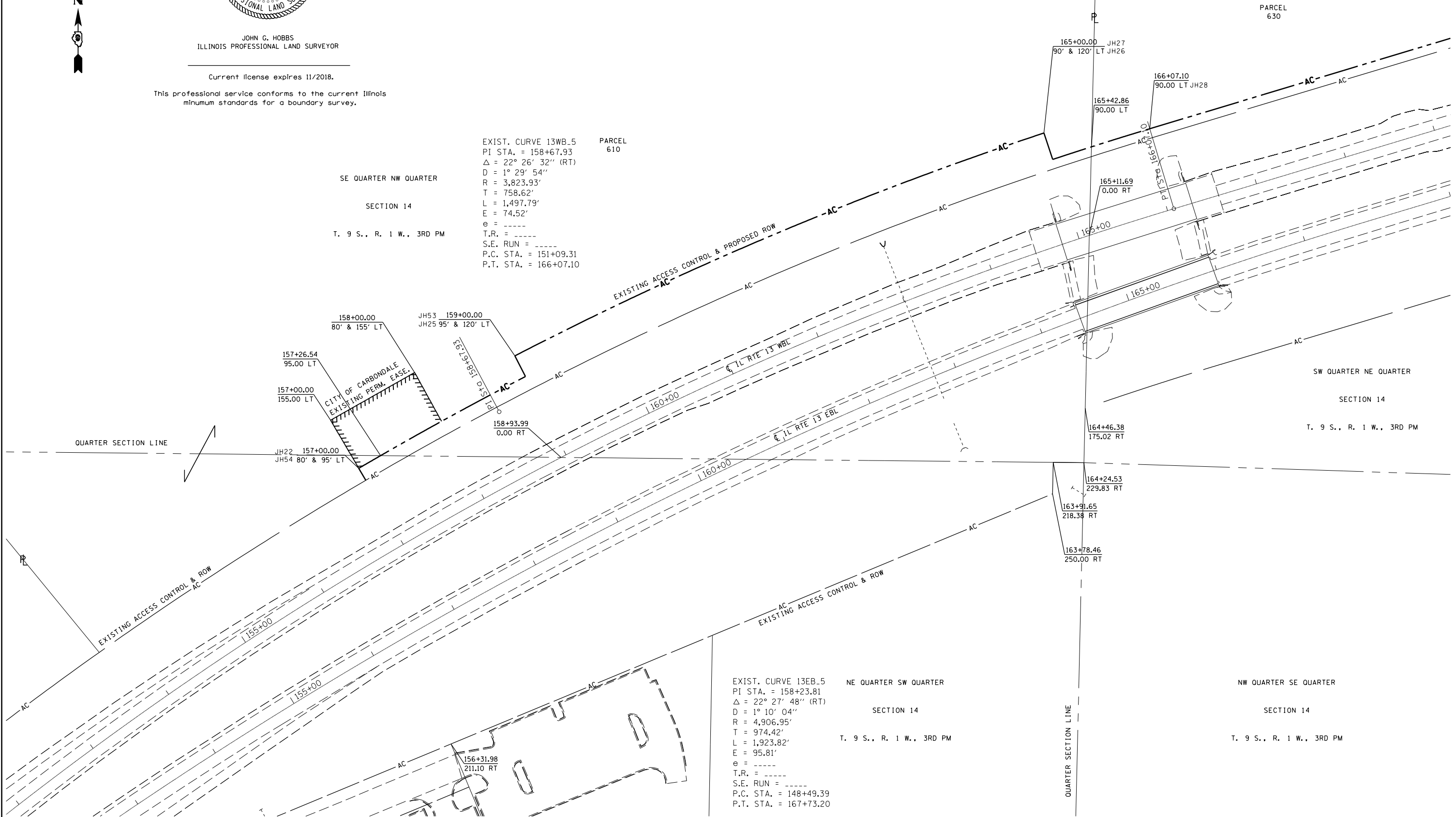
This professional service conforms to the current Illinois minimum standards for a boundary survey.



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

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

EXIST. CURVE 13WB.5
PI STA. = 158+67.93
Δ = 22° 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



EXIST. CURVE 13EB.5
PI STA. = 158+23.81
Δ = 22° 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

FILE NAME =	USER NAME = noasdp	DESIGNED -	REVISED -
pw:\IL\084EBID\INTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\13... DRAWN = 78295\CADDData\CADsheets\sh...		CHECKED -	REVISED -
Default	PLOT DATE = 3/24/2017	DATE -	REVISED -

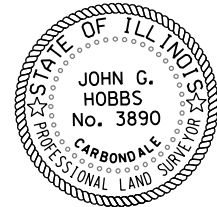
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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	325	78
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

Current license expires 11/2018.

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

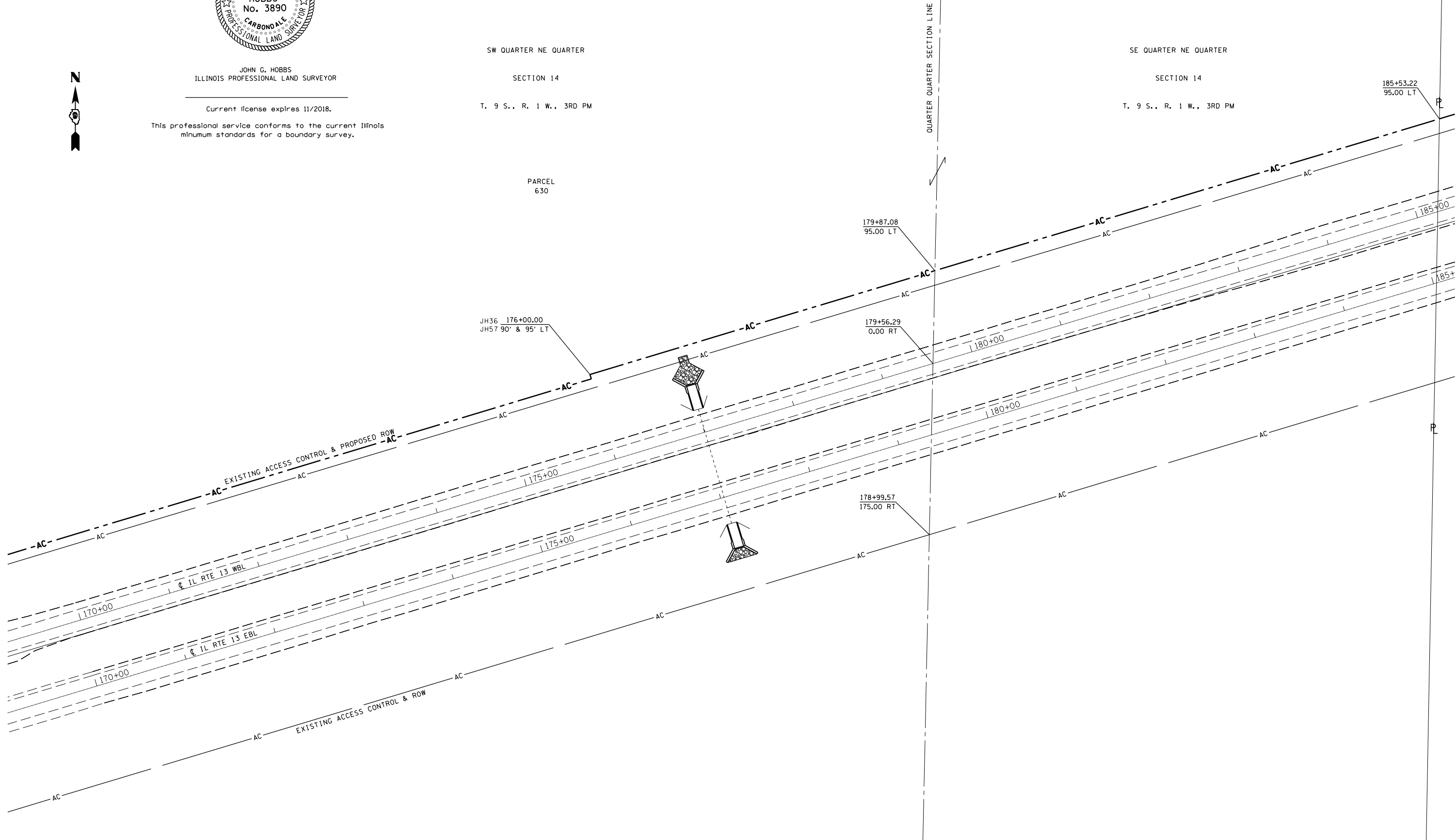
PARCEL#	PROPERTY OWNER	R. O. W. (ACRES)	T. E. (ACRES)	P. E. (ACRES)
630	BETTY A. GRAIG	0.571±		

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 -
pw:\IL\084EBID\INTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\13.g\DRAWING\78295\CADData\CADsheets\sh		CHECKED -	REVISED -
Default	PLOT DATE = 3/24/2017	DATE -	REVISED -

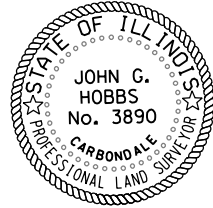
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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	325	79
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.

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

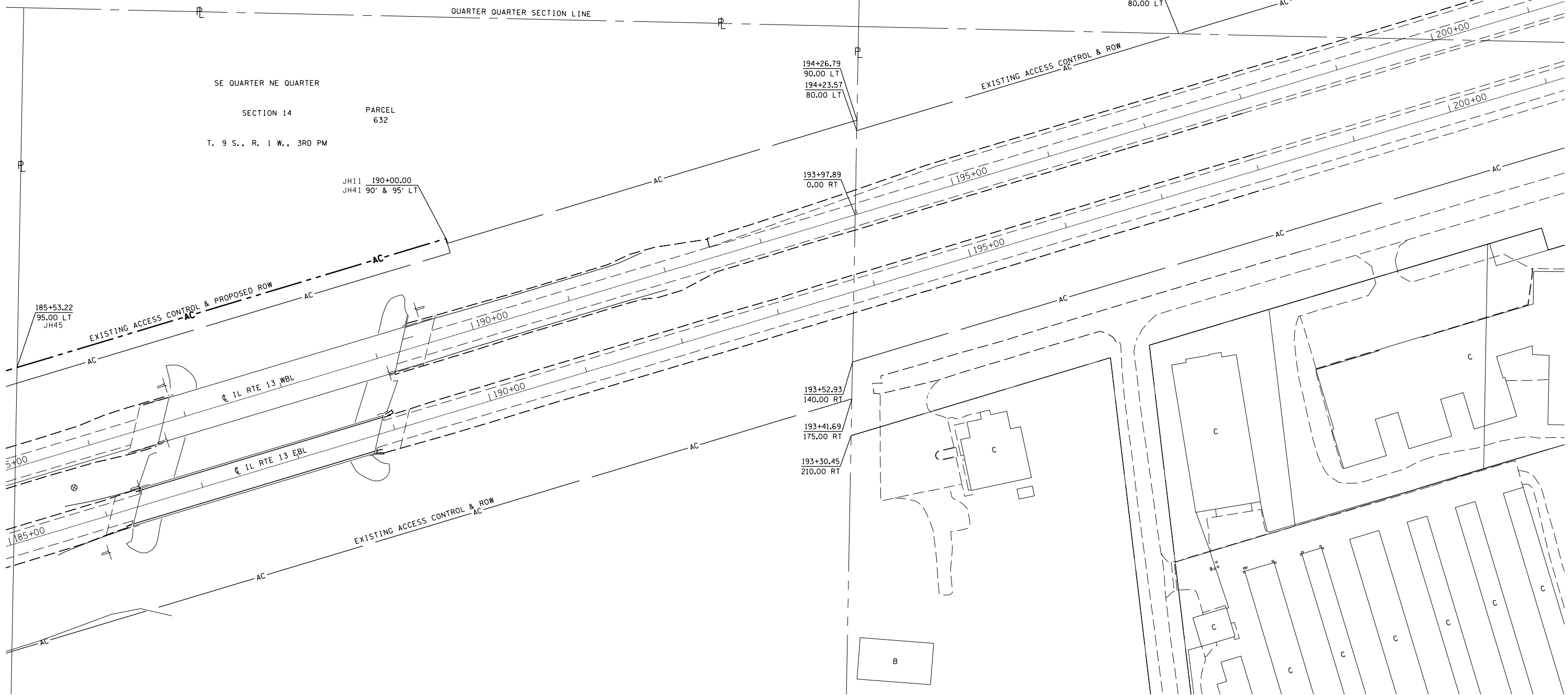


NE QUARTER NE QUARTER

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±		



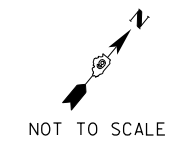
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/24/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

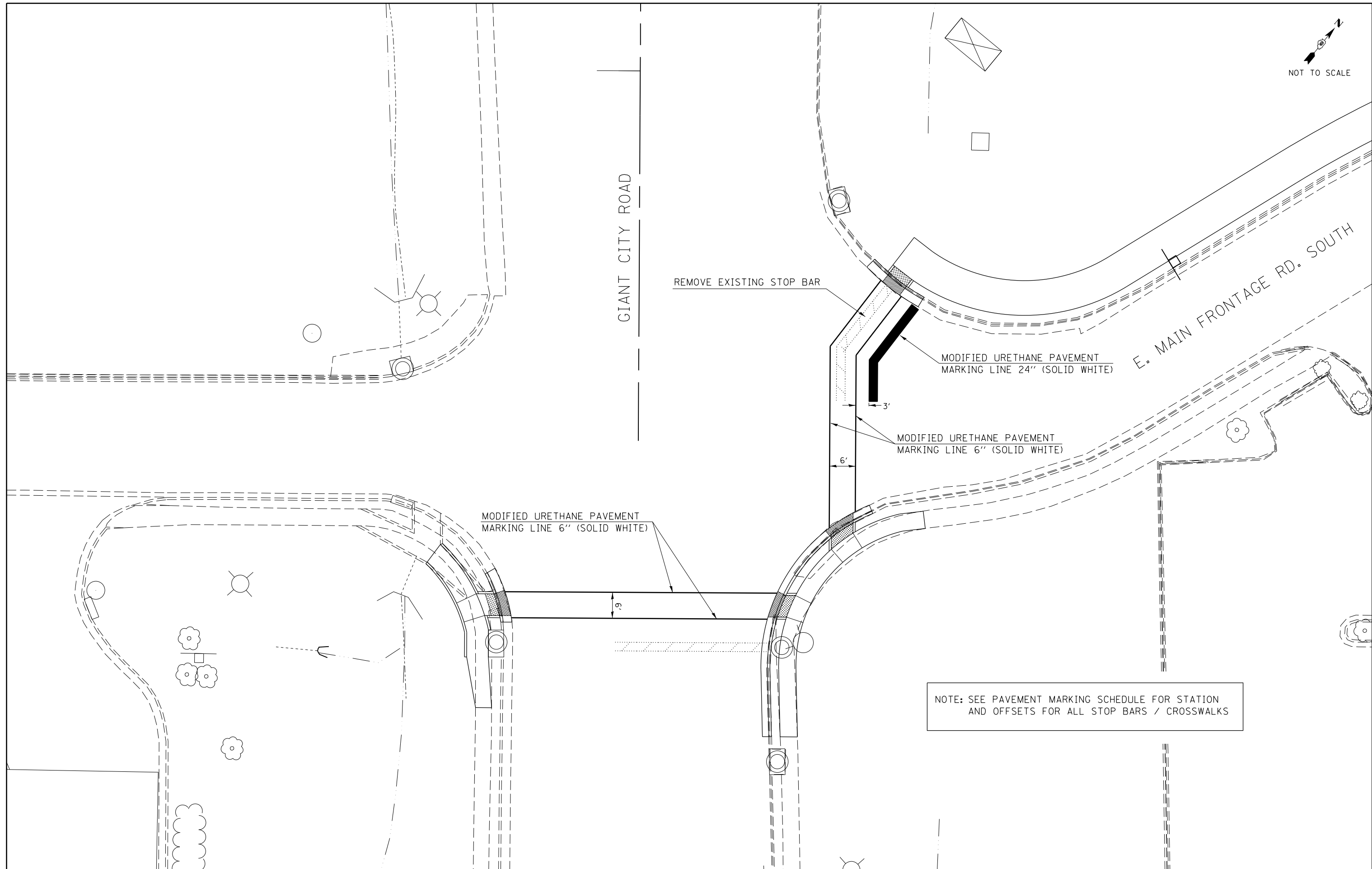
**RIGHT OF WAY SHEET
GIANT CITY TO REED STATION**

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	325	80
R-99-005-13 ILLINOIS FED. AID PROJECT			CONTRACT NO. 78295	



NOT TO SCALE



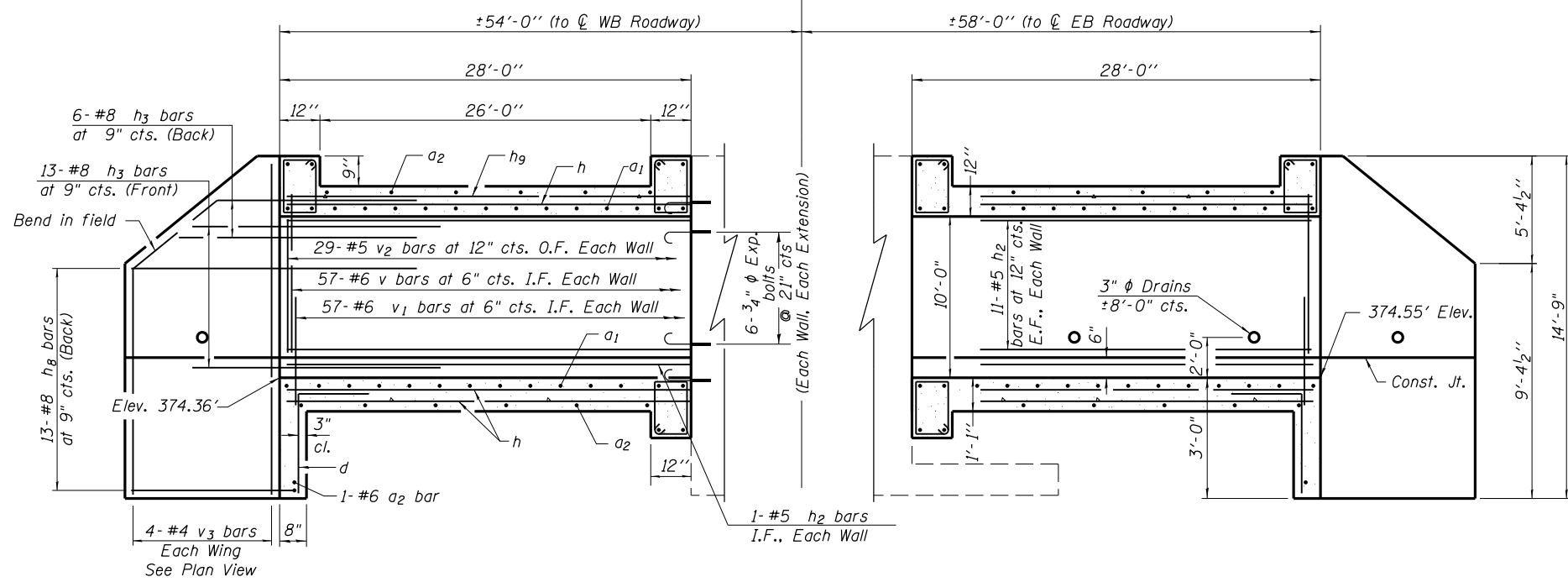
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

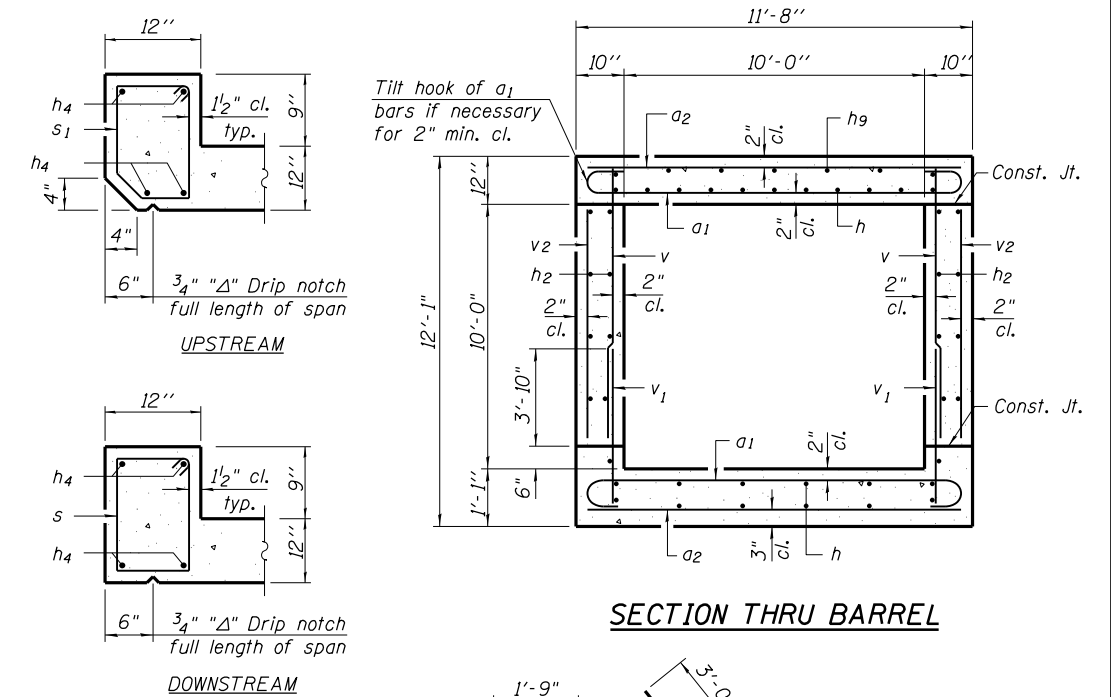
**PAVEMENT MARKING DETAIL
GIANT CITY RD / E. MAIN FRONTAGE RD. SOUTH**

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	325	81
CONTRACT NO. 78295				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

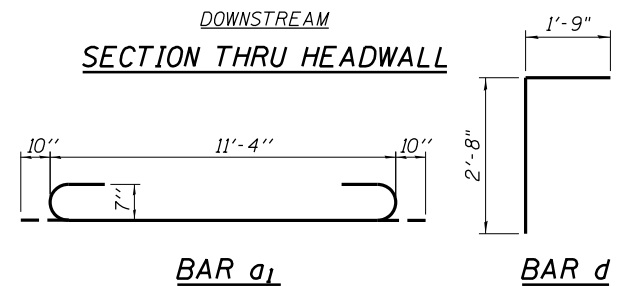


LONGITUDINAL SECTION



SECTION THRU BARREL

SECTION THRU HEADWALL



BARS h3 & h8

BILL OF MATERIAL (2 EXTS.)

Bar	No.	Size	Length	Shape
a1	184	#7	13'-0"	U
a2	112	#6	11'-4"	—
d	22	#4	4'-5"	T
h	72	#6	27'-8"	—
h2	92	#5	27'-8"	—
h3	76	#8	8'-0"	—
h4	24	#6	11'-4"	—
h8	52	#8	19'-0"	—
h9	24	#5	27'-8"	—
s	60	#4	5'-3"	□
s1	12	#4	5'-1"	□
v	232	#6	10'-2"	—
v1	232	#6	5'-2"	—
v2	116	#5	9'-2"	—
v3	16	#4	14'-5"	—
Concrete Box Culverts		Cu. Yd.	159.3	
Reinforcement Bars, Epoxy Coated		Pound	24730	
3/4" φ Exp. Bolts		Each	48	

All Reinforcement Bars shall be Epoxy Coated.

F.A.P. ROUTE 331 (IL. 13)

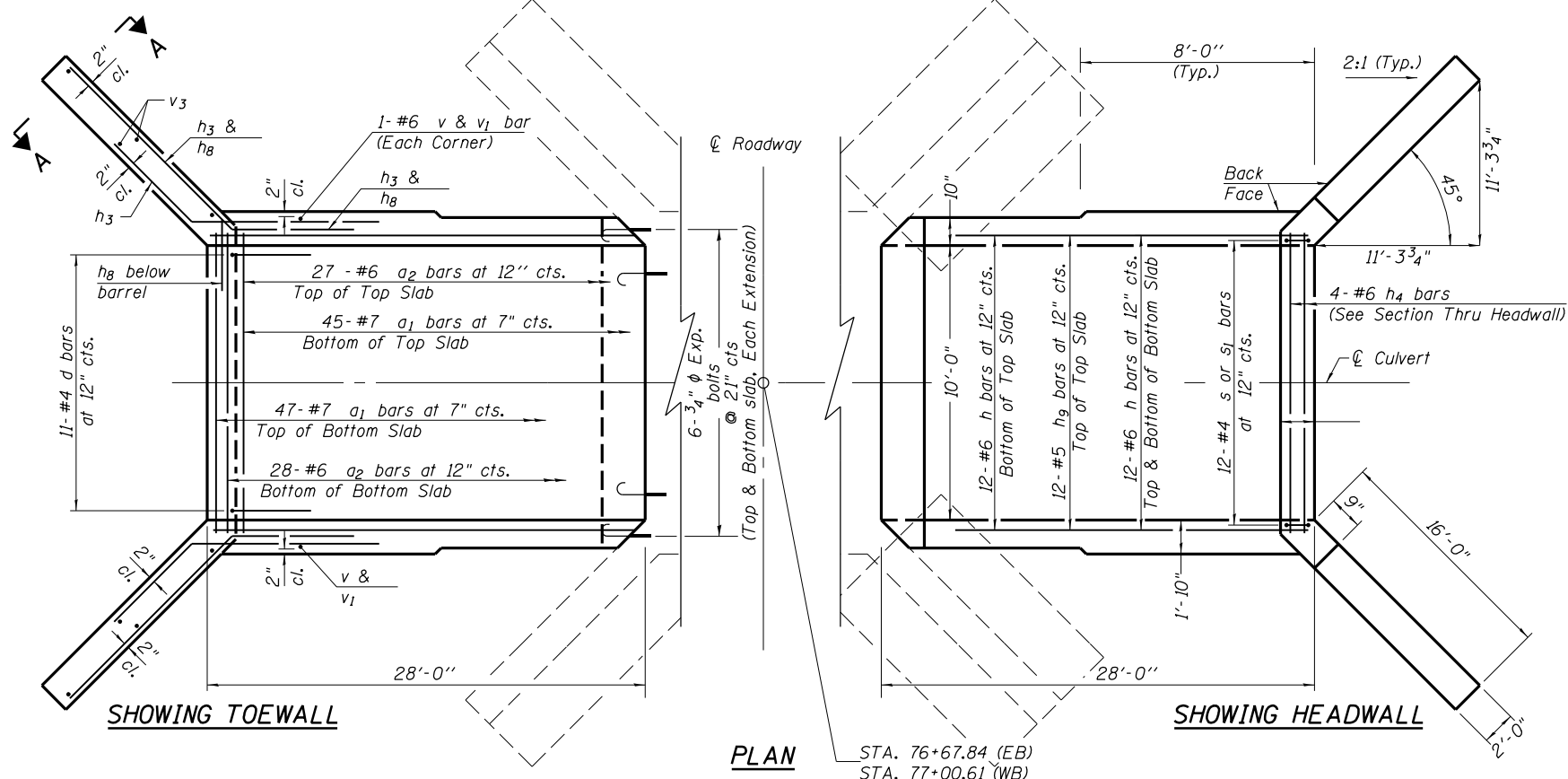
SECTION (5-3)R-1,N-1,B-5,BR-1,B-6,BR-2

JACKSON COUNTY

STA. 76+67.84 (EB)

STA. 77+00.61 (WB)

S.N. 039-7105



SHOWING TOEWALL

SHOWING HEADWALL

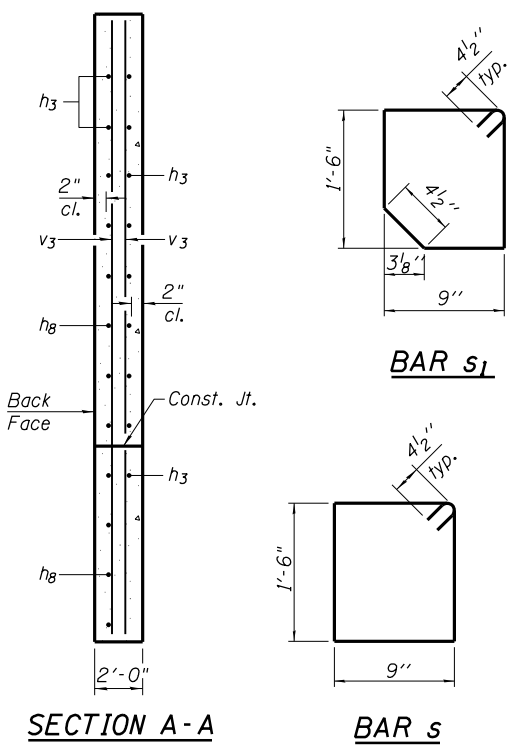
PLAN

STA. 76+67.84 (EB)
STA. 77+00.61 (WB)

DESIGN STRESSES

fy = 60,000 psi
f'c = 3,500 psi

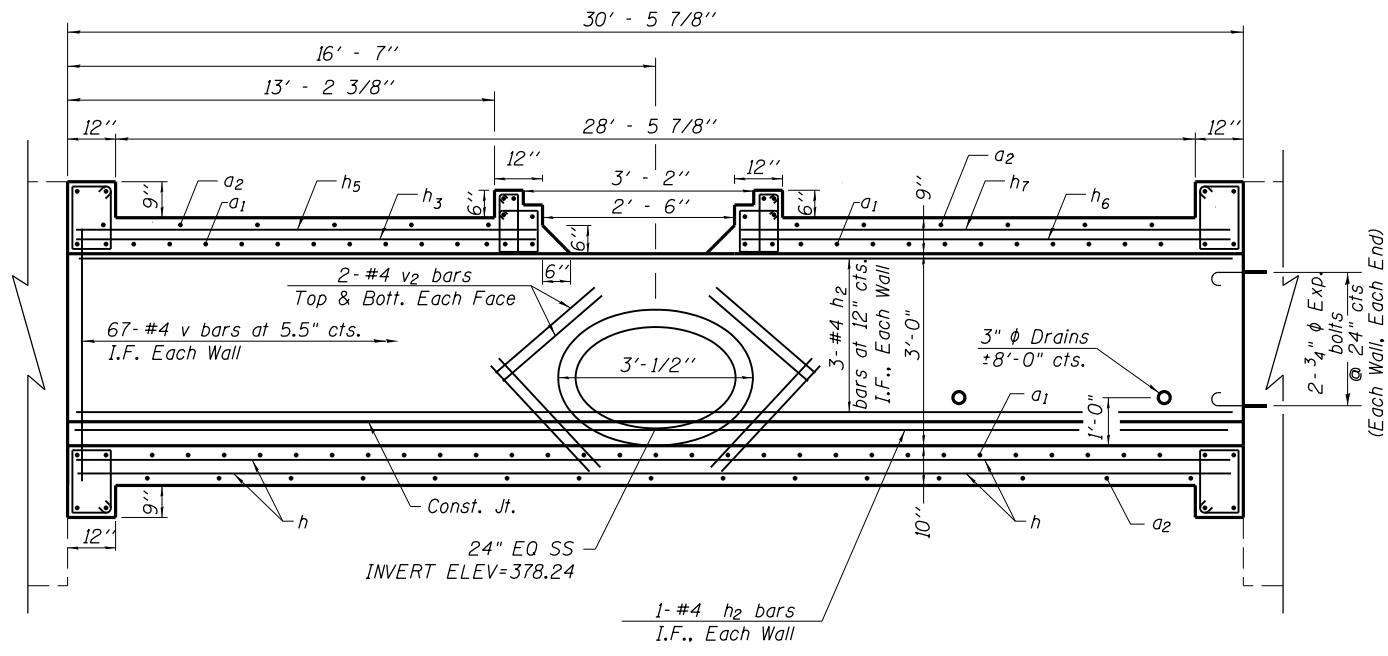
LOADING HL-93



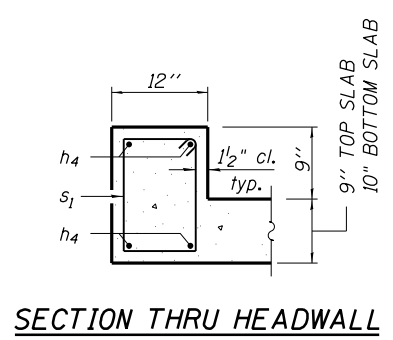
SECTION A-A

BAR s

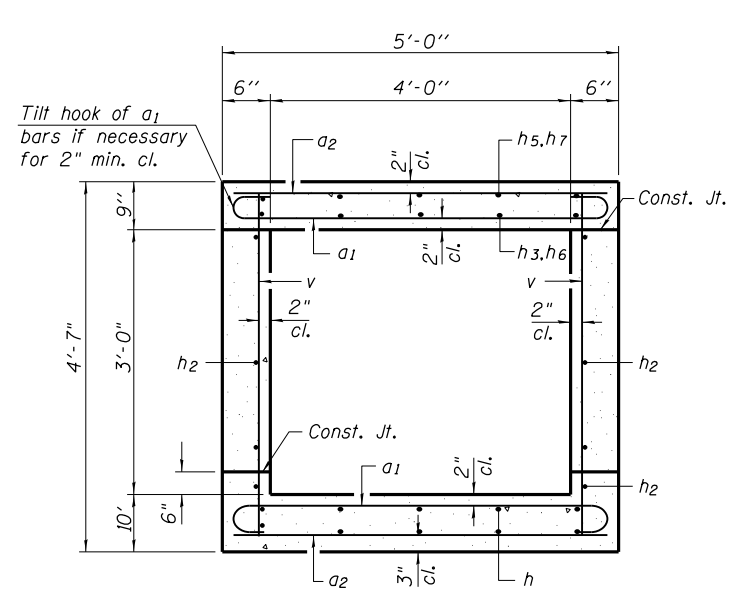
Notes:
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
At the Contractor's option, a longer v1 bar may be ordered to replace the v bar. No reduction in quantities shall be made for this substitution.
Precast option is not allowed.



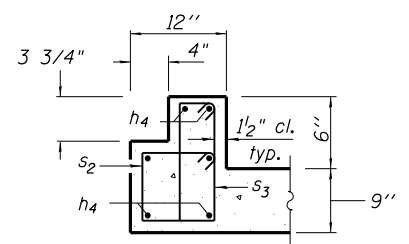
LONGITUDINAL SECTION



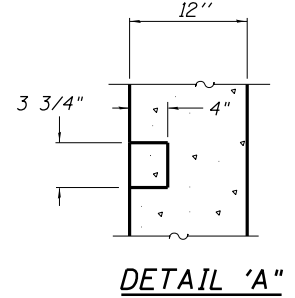
SECTION THRU HEADWALL



SECTION THRU BARREL



SECTION THRU HEADWALL (at center of box culvert)

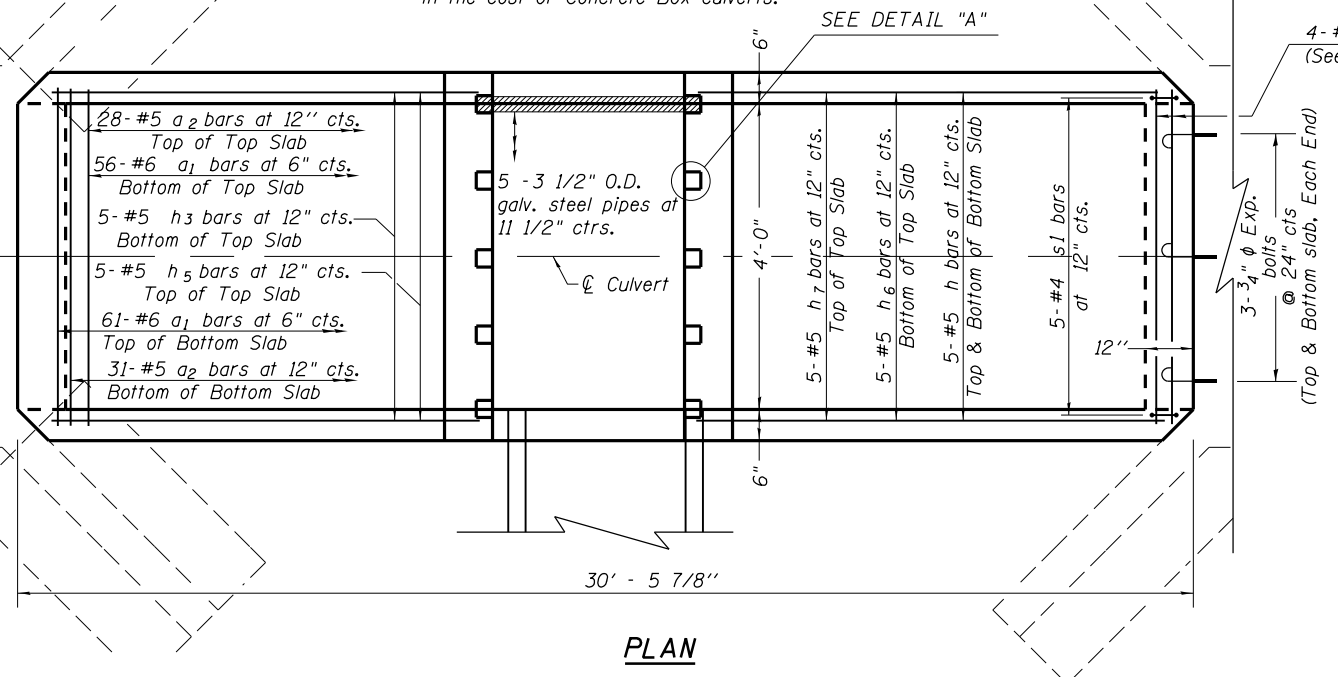


DETAIL 'A'

⊕ Roadway

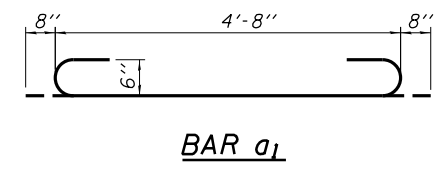
⊕ Roadway

NOTE:
Galvanized steel pipes shall be installed according to standard 542541-02. Cost of all labor and materials required to install the galv. steel pipes, including anchor plates and U-bolts shall be included in the cost of Concrete Box culverts.

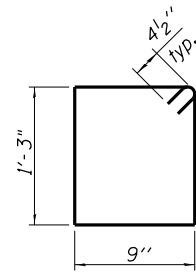


PLAN

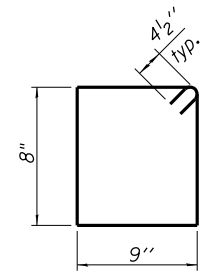
4-#6 h4 bars
(See Section THRU HEADWALL)



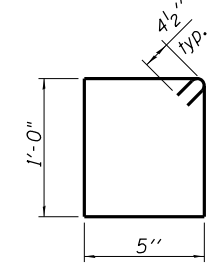
BAR a1



BAR s1



BAR s2



BAR s3

BILL OF MATERIAL

Bar No.	Size	Length	Shape
a1	122 #6	6'-0"	U
a2	62 #5	4'-8"	—
h	10 #5	30'-2"	—
h2	8 #4	30'-2"	—
h3	5 #5	13'-11"	—
h4	28 #6	4'-8"	—
h5	5 #5	13'-11"	—
h6	5 #5	13'-4"	—
h7	5 #5	13'-4"	—
s1	20 #4	4'-9"	□
s2	10 #4	3'-7"	□
s3	10 #4	3'-6"	□
v	134 #4	4'-2"	—
v2	16 #4	2'-0"	—
Galv. steel pipe	3 1/2" O.D.	3'-1"	—
Concrete Box Culverts	Cu. Yd.	12.8	
Reinforcement Bars, Epoxy Coated	Pound	3180	
3/4" φ Exp. Bolts	Each	20	

All Reinforcement Bars shall be Epoxy Coated.

Notes: Precast option is not allowed.

DESIGN STRESSES
fy = 60,000 psi
f'c = 3,500 psi
LOADING HL-93

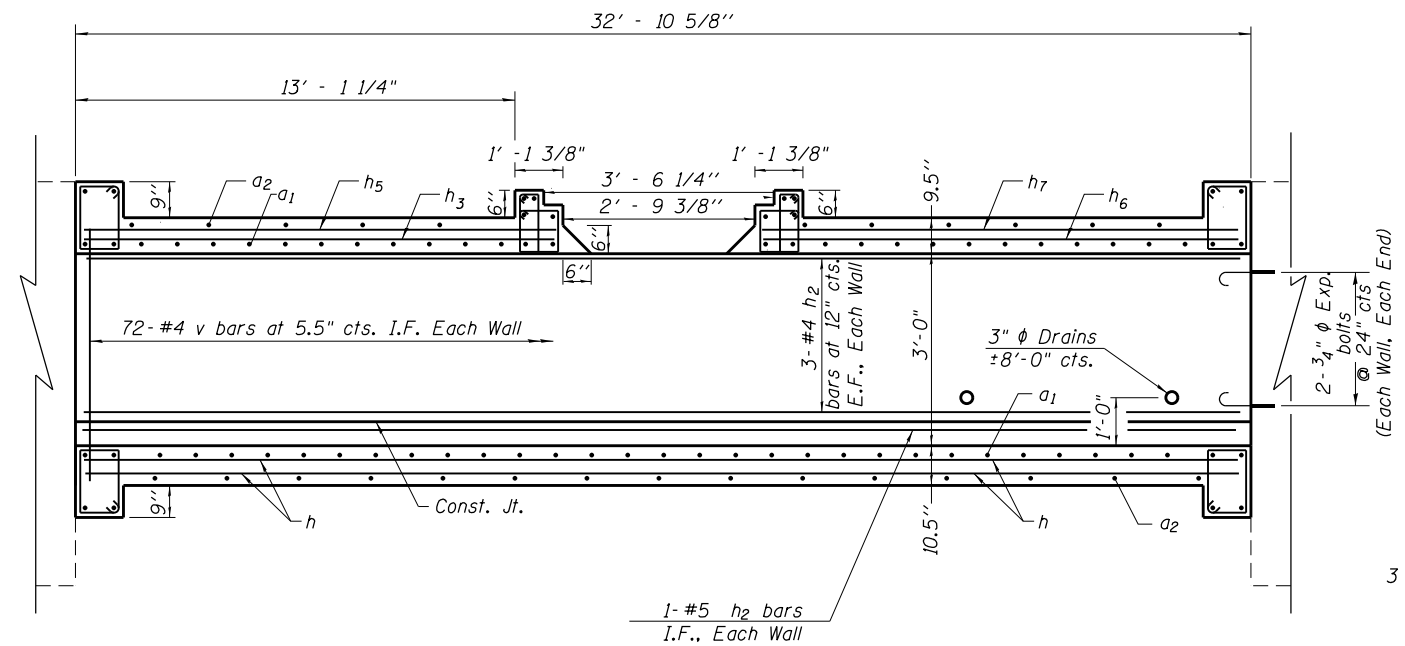
F.A.P. ROUTE 331 (IL 13)
SECTION (5-3)R-1,N-1,B-5,BR-1,B-6,BR-2
JACKSON COUNTY
STA. 101+56.84 (EB)

FILE NAME =	USER NAME = rnaasp	DESIGNED -	REVISED -
pw:\11084EBID\INTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\13.04\Drawings\11084EBID\CADData\CADsheets\des		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/24/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

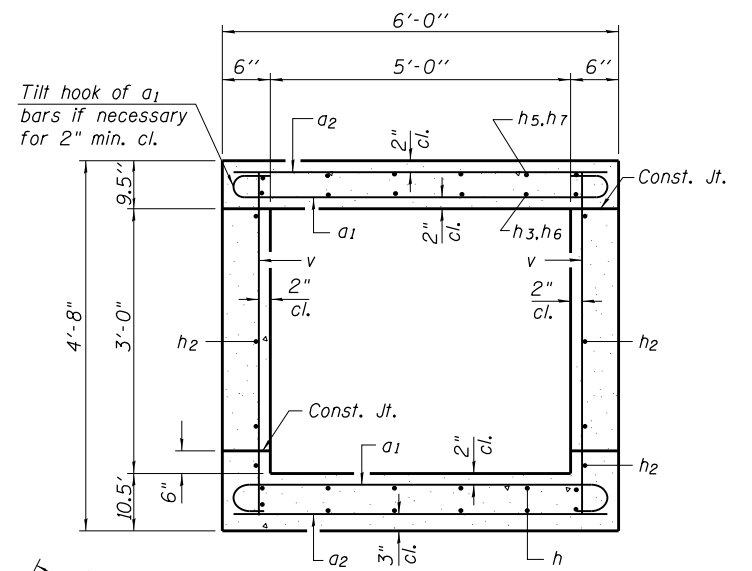
CULVERT DETAILS				
101+56.84 (IL13EB) 4' X 3'				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

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	325	83
			CONTRACT NO. 78295	
ILLINOIS FED. AID PROJECT				

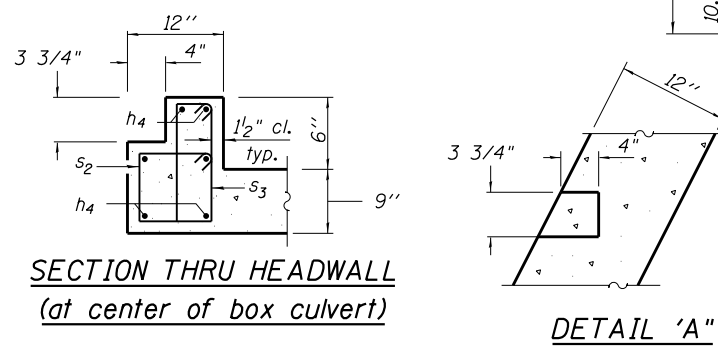


LONGITUDINAL SECTION

SECTION THRU HEADWALL



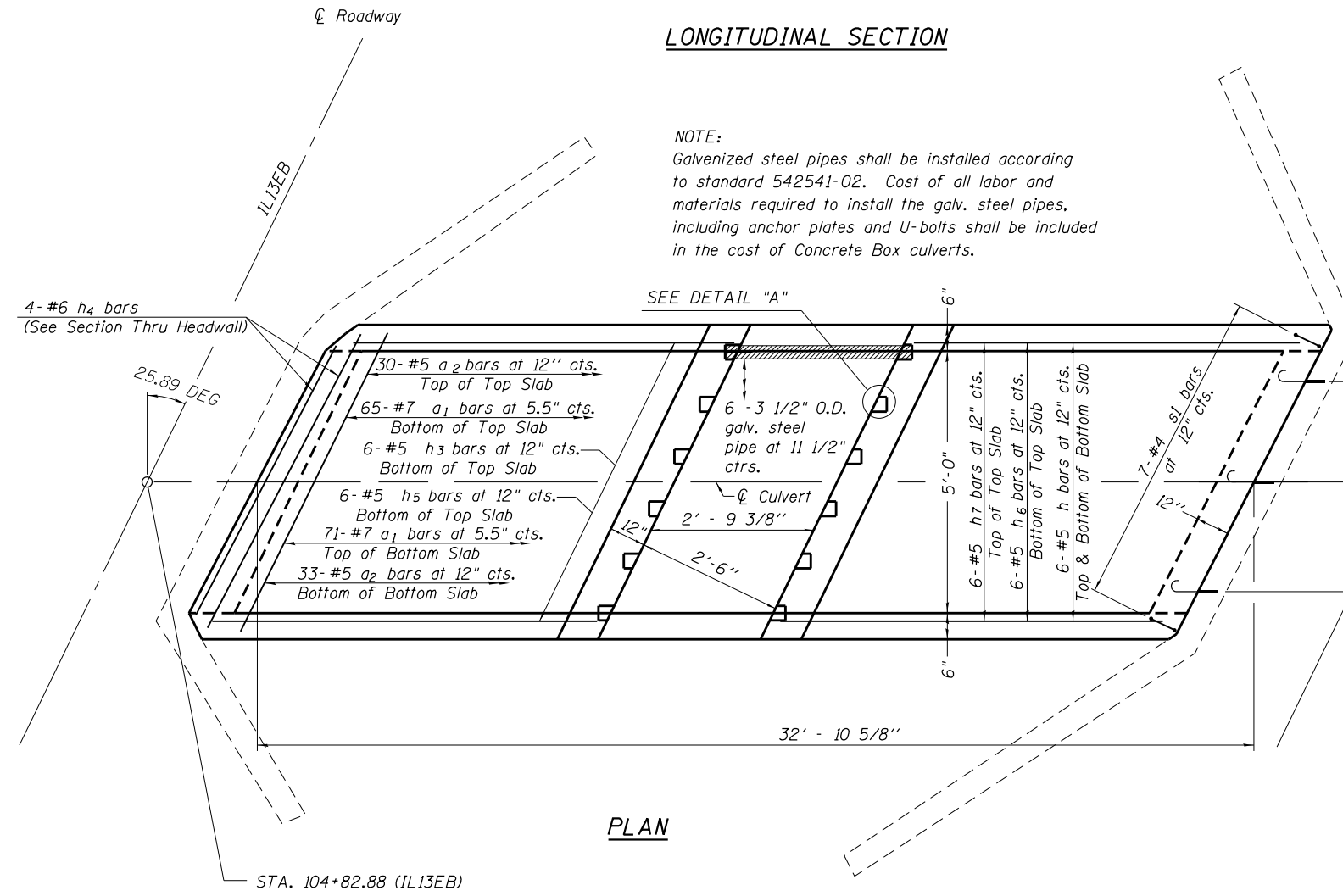
SECTION THRU BARREL



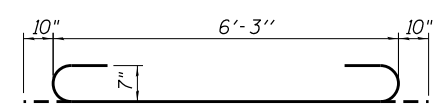
SECTION THRU HEADWALL (at center of box culvert)

DETAIL 'A'

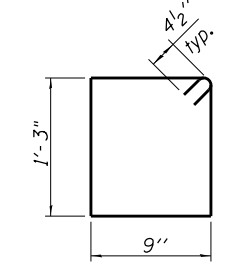
NOTE:
Galvanized steel pipes shall be installed according to standard 542541-02. Cost of all labor and materials required to install the galv. steel pipes, including anchor plates and U-bolts shall be included in the cost of Concrete Box culverts.



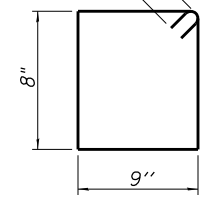
PLAN



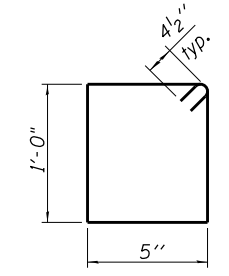
BAR a1



BAR s1



BAR s2



BAR s3

BILL OF MATERIAL

Bar No.	Size	Length	Shape
a1	#7	7'-11"	C
a2	#5	6'-3"	—
h	#5	32'-7"	—
h2	#4	32'-7"	—
h3	#5	13'-9"	—
h4	#6	6'-3"	—
h5	#5	13'-9"	—
h6	#5	15'-6"	—
h7	#5	15'-6"	—
s1	#4	4'-9"	□
s2	#4	3'-7"	□
s3	#4	3'-7"	□
v	#4	4'-3"	—
Galv. steel pipe	3 1/2" O.D.	3'-4 5/8"	—
Concrete Box Culverts	Cu. Yd.	16.5	
Reinforcement Bars, Epoxy Coated	Pound	4800	
3/4" Exp. Bolts	Each	20	

All Reinforcement Bars shall be Epoxy Coated.

F.A.P. ROUTE 331 (IL. 13)
SECTION (5-3)R-1,N-1,B-5,BR-1,B-6,BR-2
JACKSON COUNTY
STA. 104+82.88 (EB)

DESIGN STRESSES
fy = 60,000 psi
f'c = 3,500 psi
LOADING HL-93

Notes: Precast option is not allowed.

FILE NAME =	USER NAME = rnaasp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT DETAILS 104 + 82.88 (IL13EB) 5' X 3' SKEW R.A.	F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	84	
	PLOT DATE = 3/31/2017	DATE -	REVISED -			CONTRACT NO. 78295					
						ILLINOIS FED. AID PROJECT					

Bench Mark: Cut square on Southwest corner of Structure 039-0062 of Illinois Route 13 WBL @ Sta. 64+81±. Elev. 390.24

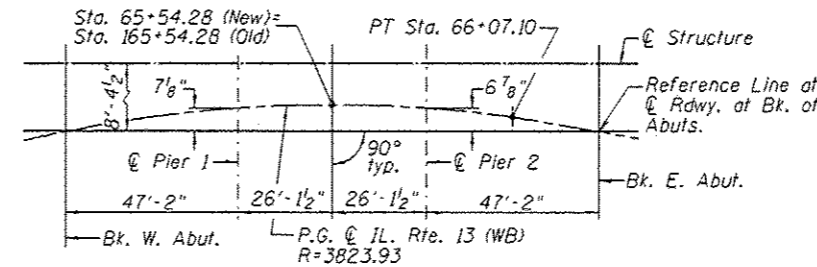
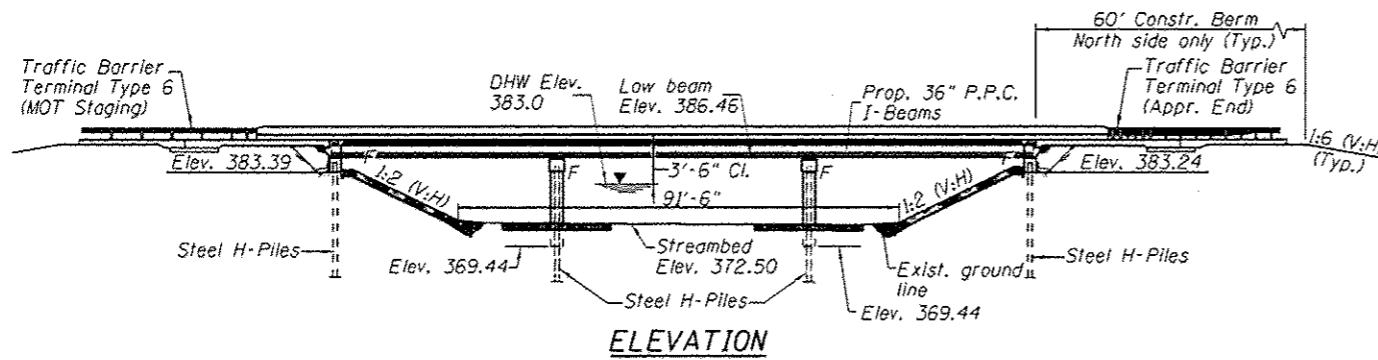
Existing Structure: S.N. 039-0062, built in 1995 is a three span P.P.C. I-Beam Bridge. Substructure consists of integral abutments supported on steel piles and solid wall pile bent piers. Bk. to Bk. abutments measures 146'-7" and out-to-out width of 43'-11".

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 Splicer Details
25.	Boring Logs - 1
26.	Boring Logs - 2



STATION 65+54.28
RE-BUILT 201 BY
STATE OF ILLINOIS
F.A.P. RT 331 SEC (5-3) BR-1
LOADING HS20-44
STRUCTURE NO. 039-0062

NAME PLATE
See Std. 515001

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

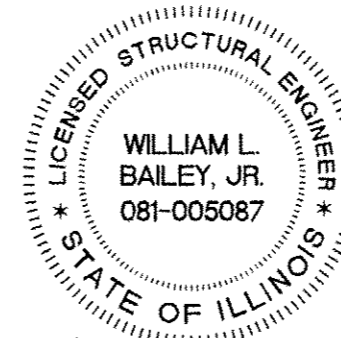
LOADING HS 20-44
Allow 25 psf for future wearing surface

DESIGN STRESSES (EXIST. & PROP.)

FIELD UNITS	PRECAST PRESTRESSED UNITS
f'c = 3,500 psi (concrete)	f'c = 6,000 psi (concrete)
f'c = 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)

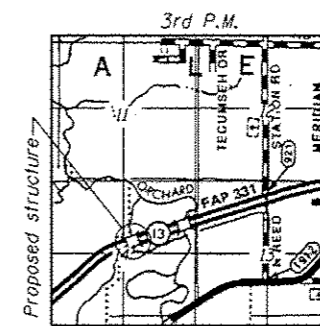
APPROVED
For Structural Adequacy Only
William L. Bailey, Jr.
Engineer of Bridges & Structures

04-11-2017

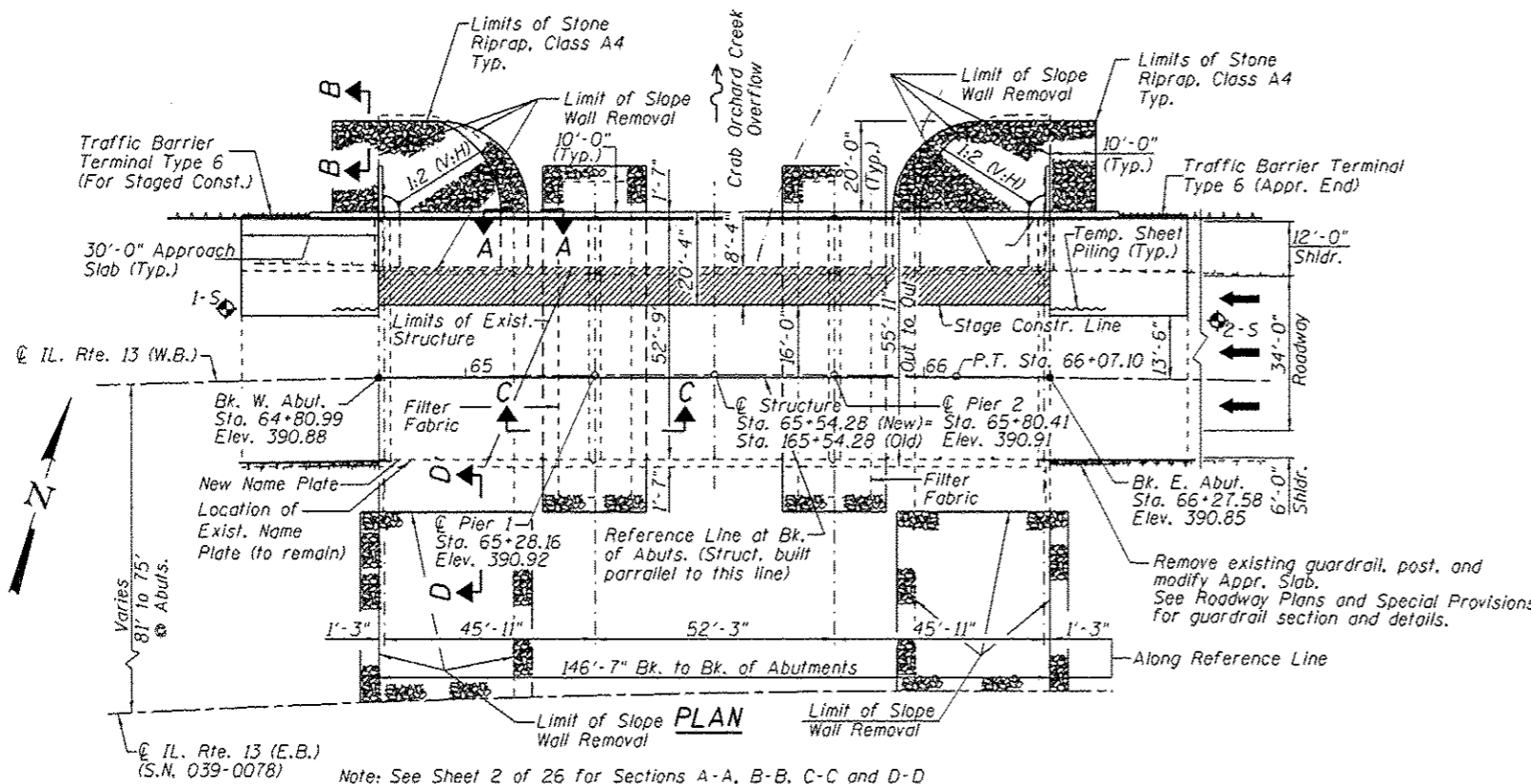


William L. Bailey, Jr.
Exp. 11-30-2018

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

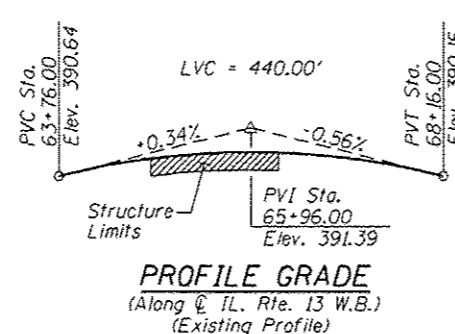


GENERAL PLAN
F.A.P. ROUTE 331 (IL 13 W.B.)
OVER CRAB ORCHARD CREEK
OVERFLOW
SECTION (5-3) BR-1
JACKSON COUNTY
STATION 65+54.28
STRUCTURE NO. 039-0062



DESIGN SCOUR ELEVATION TABLE

Event / Limit	Design Scour Elevations (ft.)					Item 113
	W. Abut.	Pier 1	Pier 2	E. Abut.		
0100	383.39	366.50	366.50	383.24		5
0200	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
Δ = 22°26'32" Rt.
D = 1°29'54"
R = 3,823.93'
T = 758.62'
L = 1,497.79'
e = 74.52
S.E. = 0.0467'
S.E. Attained Sta. 64+50.99 to Sta. 68+83.59
P.C. Sta. = 51+09.31
P.T. Sta. = 66+07.10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
STRUCTURE NO. 039-0062

SHEET NO. 1 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	325	85
CONTRACT NO. 78295				ILLINOIS FED. AID PROJECT

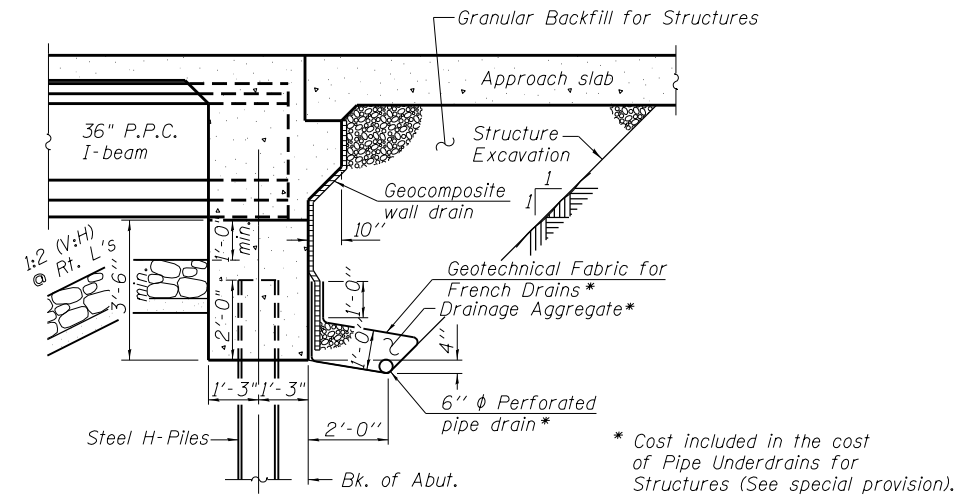


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...98850-0062.001-General Plan.dgn	CHECKED	LM	REVISED
PLOT SCALE :	DRAWN	GLD	REVISED
PLOT DATE :	CHECKED	WLB	REVISED

GENERAL NOTES

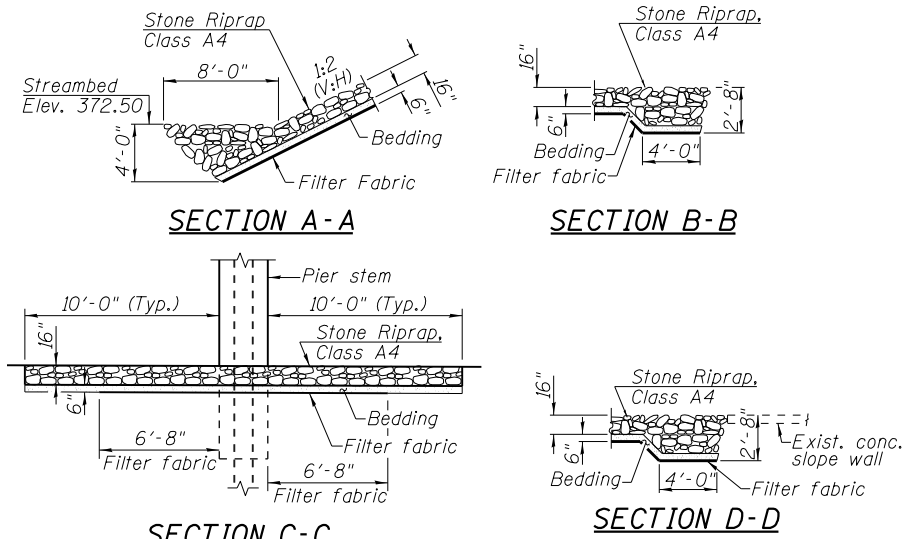
1. Reinforcement bars designated (E) shall be epoxy coated.
2. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior 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.
3. Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
4. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutment extensions.
5. 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

Drainage Area = 255 Sq. Mi.		Exist. Low Grade Elev. 388.69 @ Sta. 80+50.00 Prop. Low Grade Elev. 388.88 @ Sta. 80+50.00									
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
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

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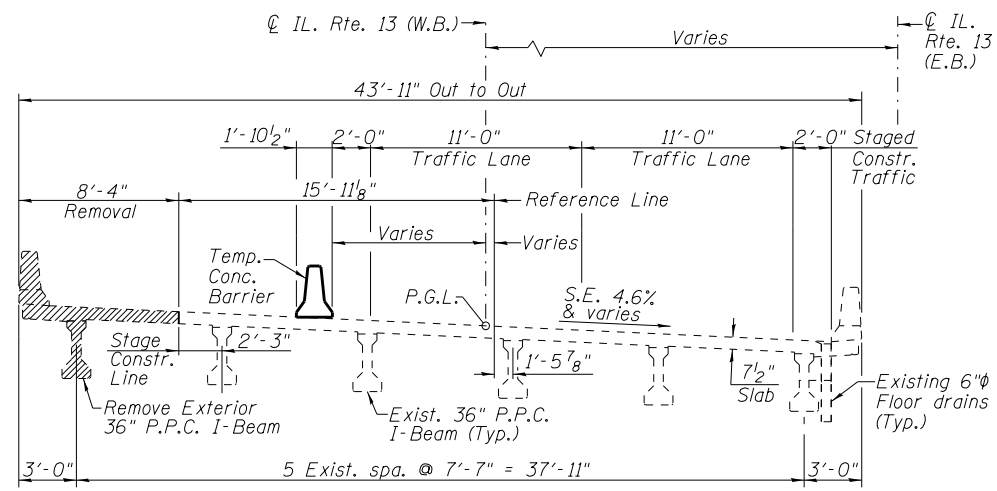


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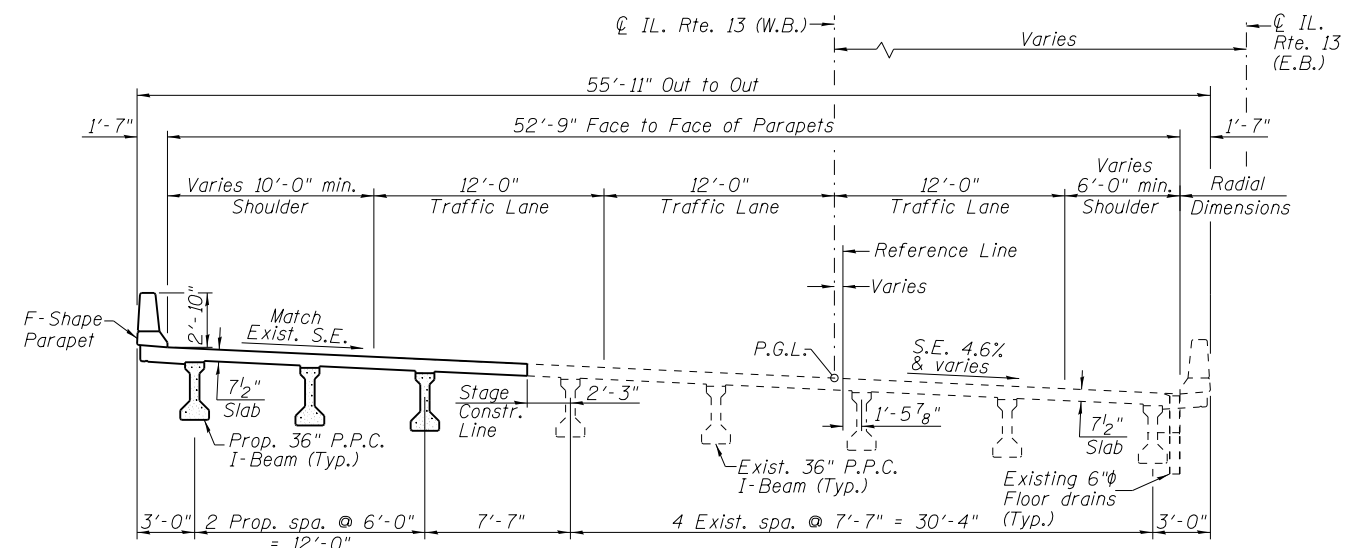
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
 STRUCTURE NO. 039-0062**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3R-1N-1B-5BR-1B-6BR-2	JACKSON	325	86
			CONTRACT NO. 78295	

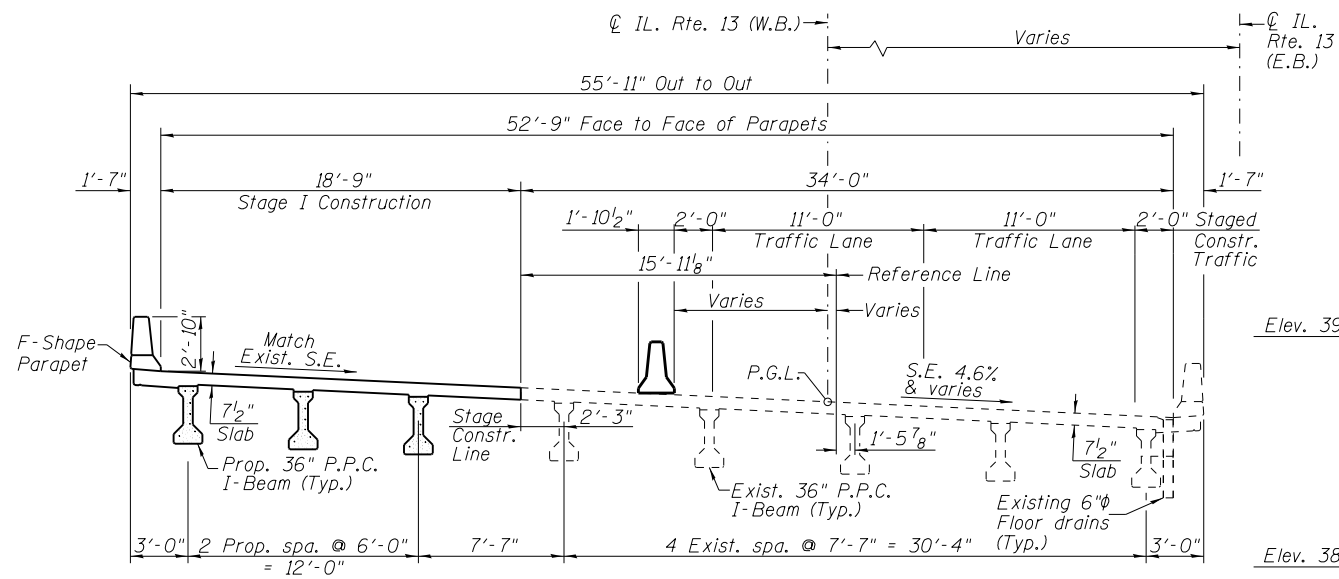


CROSS SECTION - SHOWING REMOVAL
(Looking East)



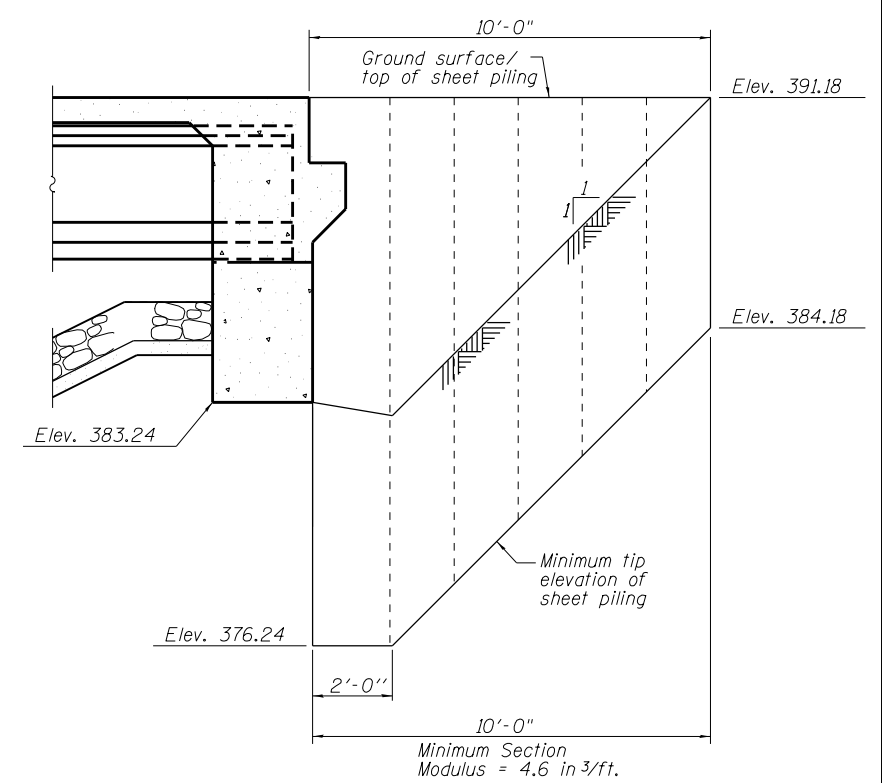
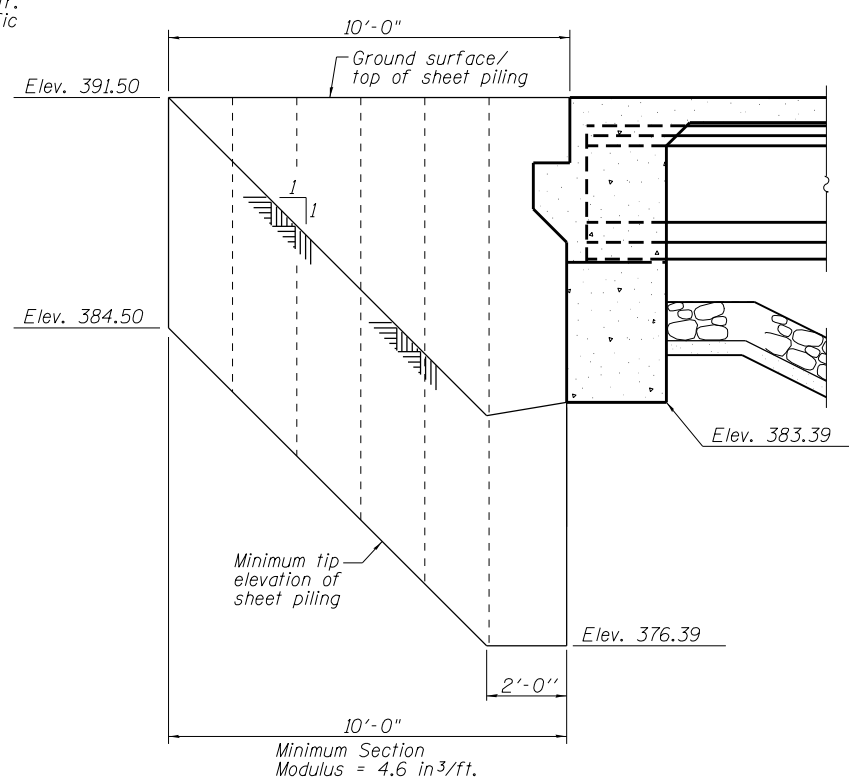
CROSS SECTION
(Looking East)

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

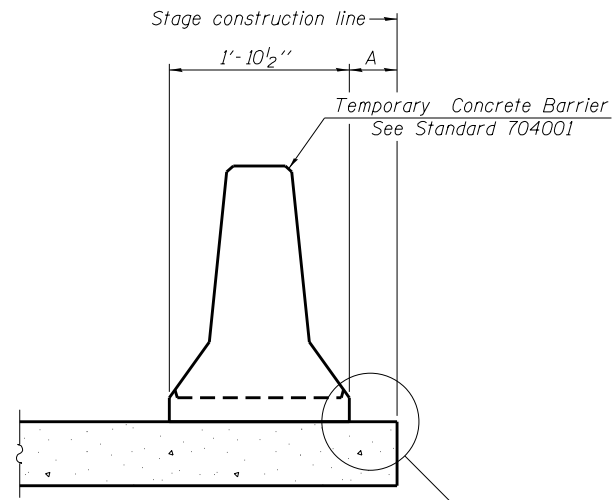
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 039-0062

SHEET NO. 3 OF 26 SHEETS

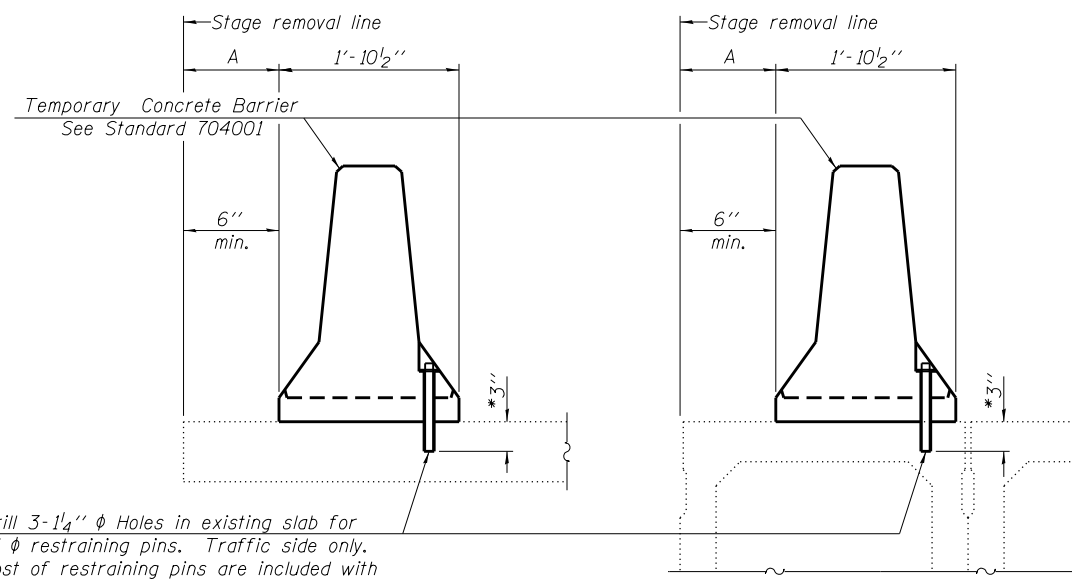
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	87
CONTRACT NO. 78295				

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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

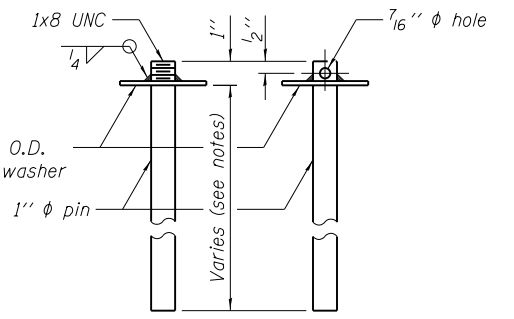


Drill 3-1/4" ϕ Holes in existing slab for 1" ϕ restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

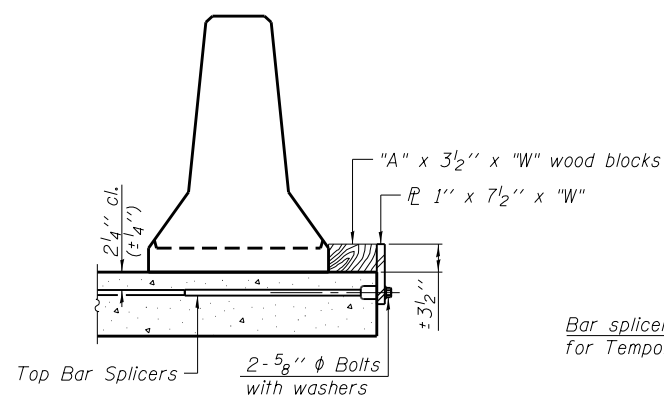
EXISTING DECK BEAM

SECTIONS THRU SLAB OR DECK BEAM

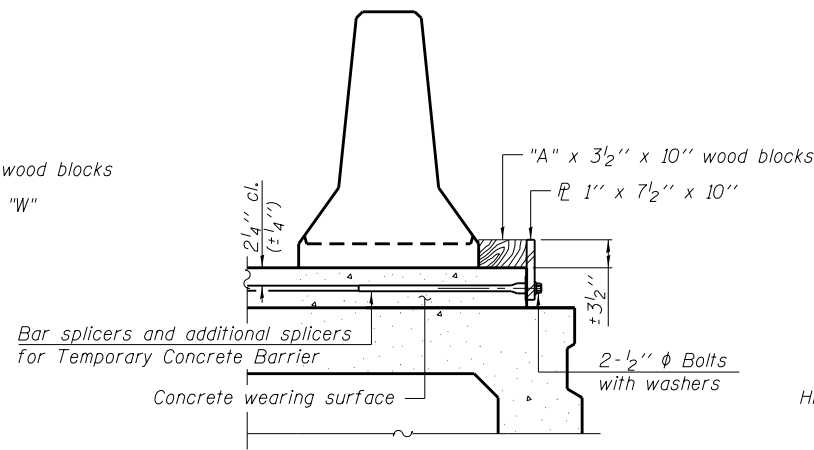


RESTRAINING PIN

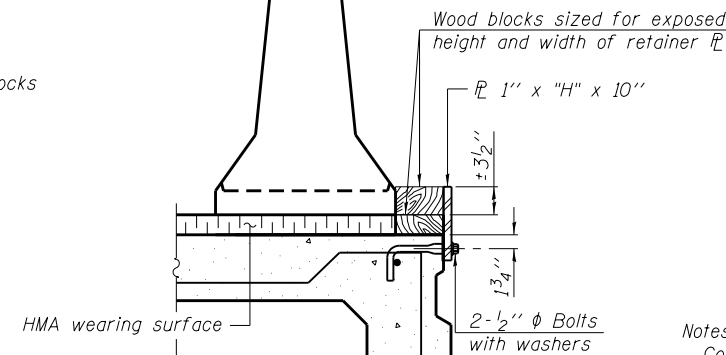
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.



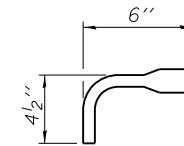
DETAIL I



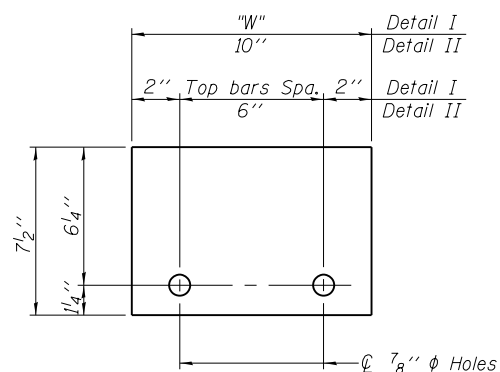
DETAIL II



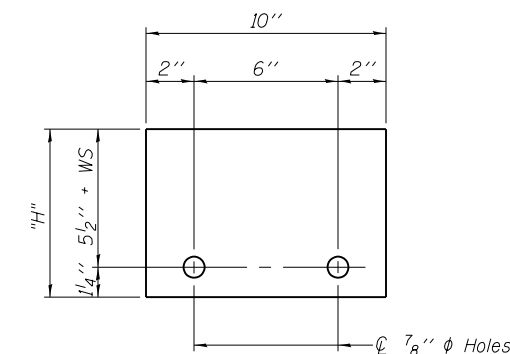
DETAIL III



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.

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

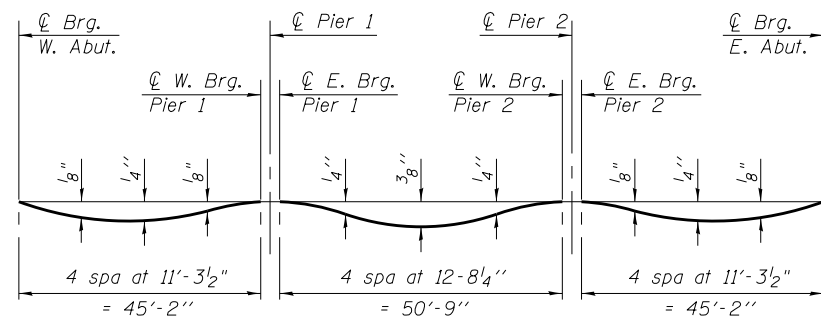
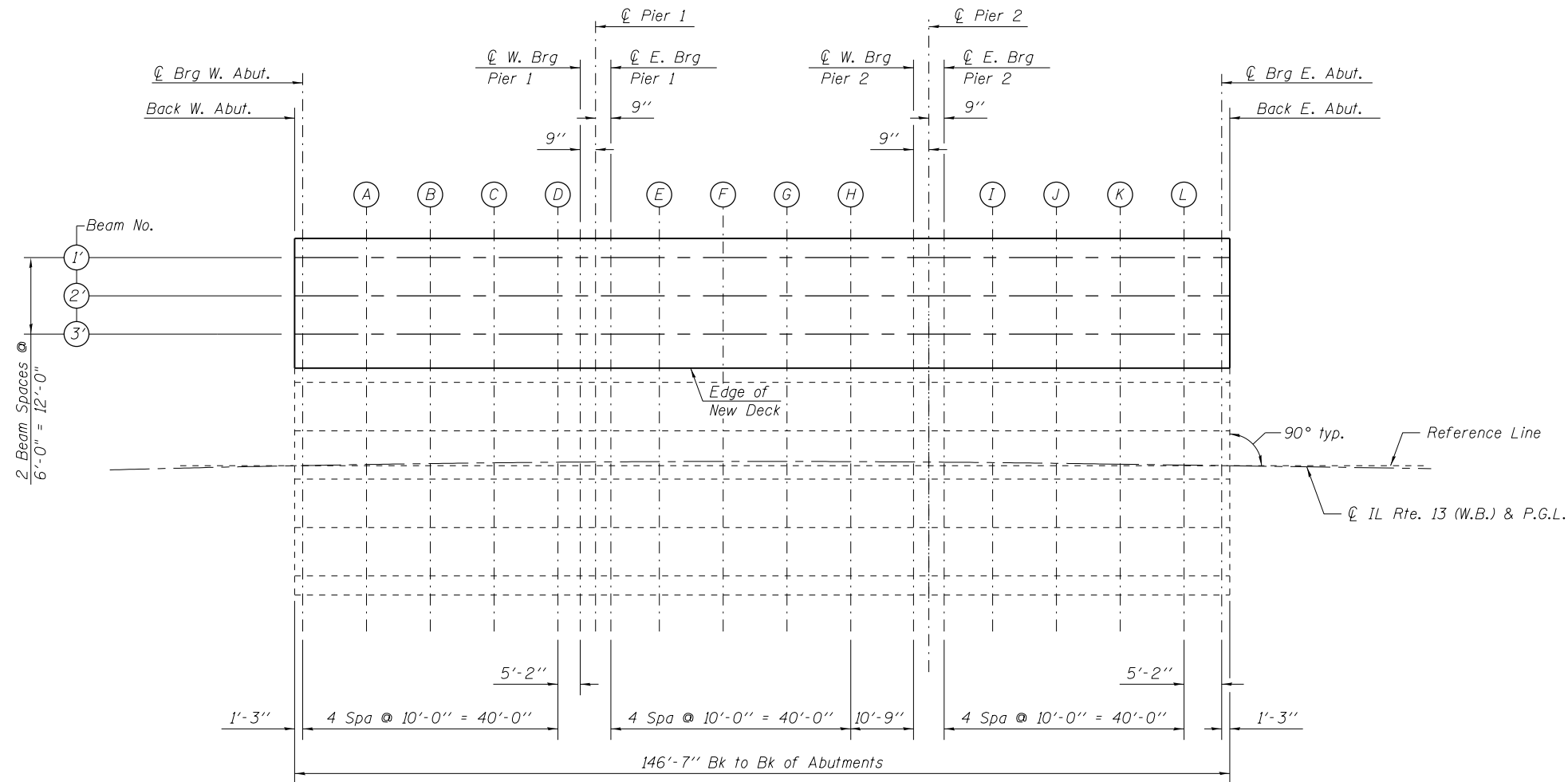
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SHEET NO. 4 OF 26 SHEETS

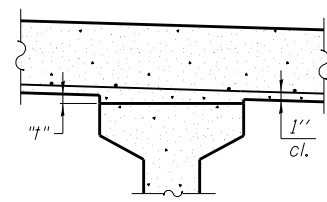
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1.N-1.B-5.BR-1.B-6.BR-2	JACKSON	325	88
CONTRACT NO. 78295				

ILLINOIS FED. AID PROJECT

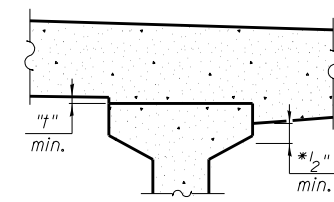


DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete only.)

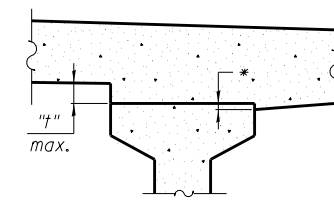
Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections. As shown on sheet 6 of 26.



INTERIOR BEAMS



At Minimum Fillet



At Maximum Fillet

* Variable (not less than 1/2")

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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... \98850-0062-005-Deck Elev 1.dgn	CHECKED LM	REVISED
PLOT SCALE =	DRAWN GLD	REVISED
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	325	89
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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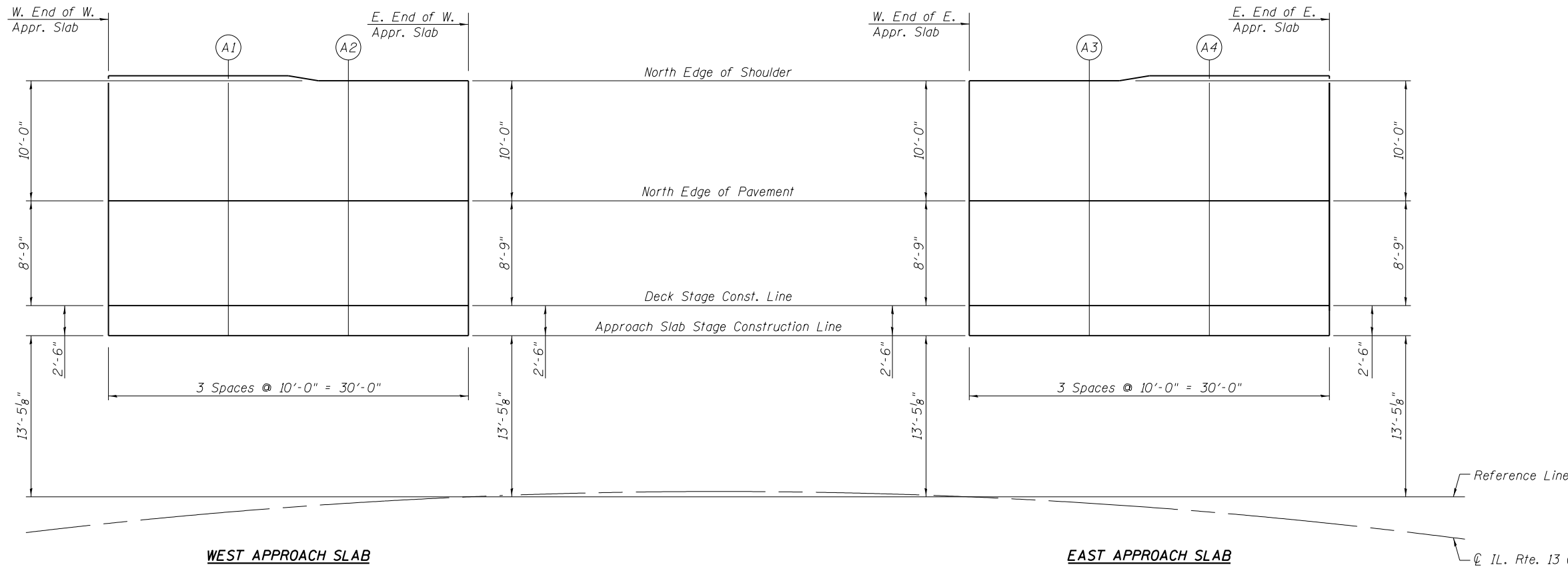
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PLOT DATE =	CHECKED	WLB	REVISED

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	325	90
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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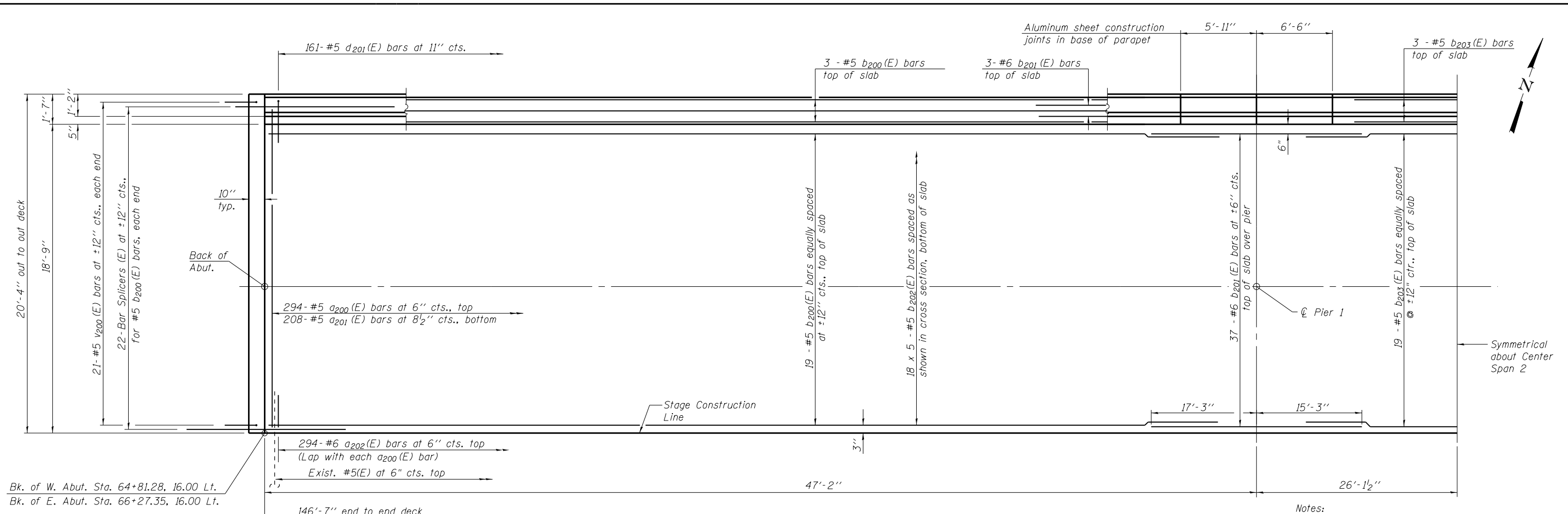
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PLOT DATE =	CHECKED WLB	REVISED

**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	325	91
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	

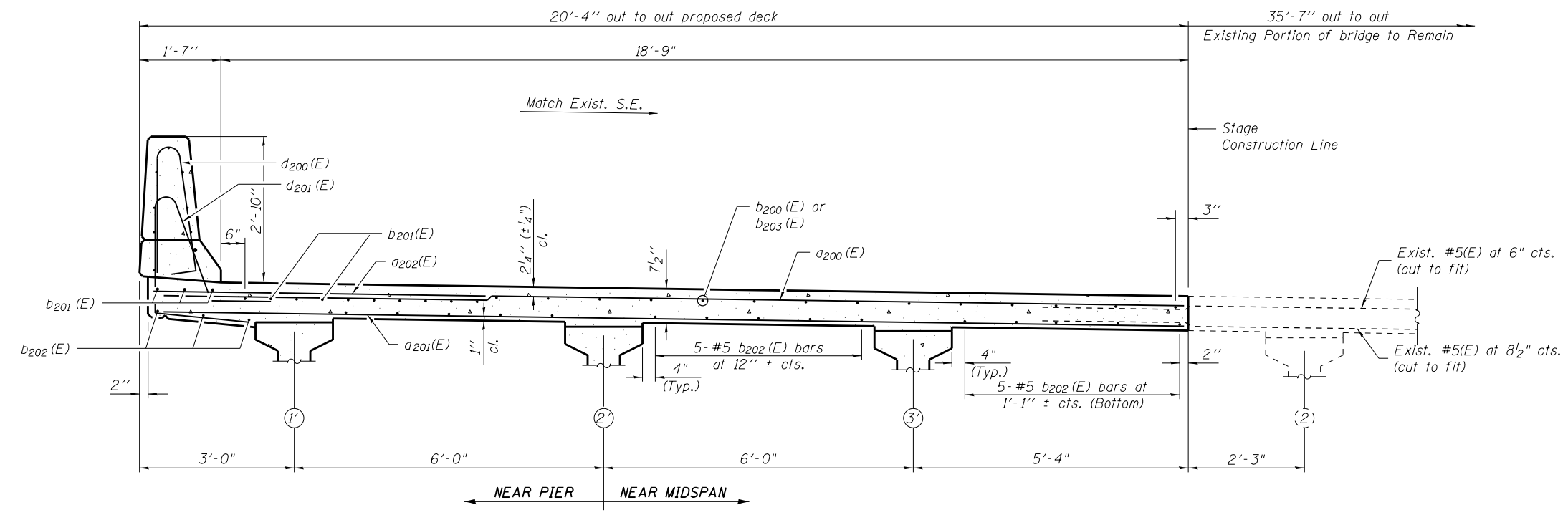


Bk. of W. Abut. Sta. 64+81.28, 16.00 Lt.
 Bk. of E. Abut. Sta. 66+27.35, 16.00 Lt.

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.



CROSS SECTION
 (Looking East)

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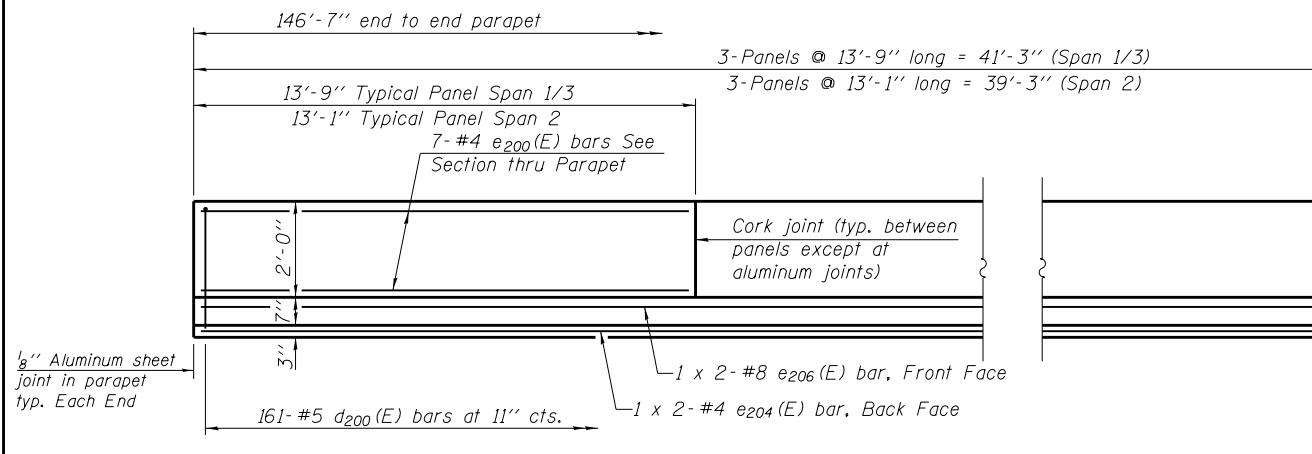
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

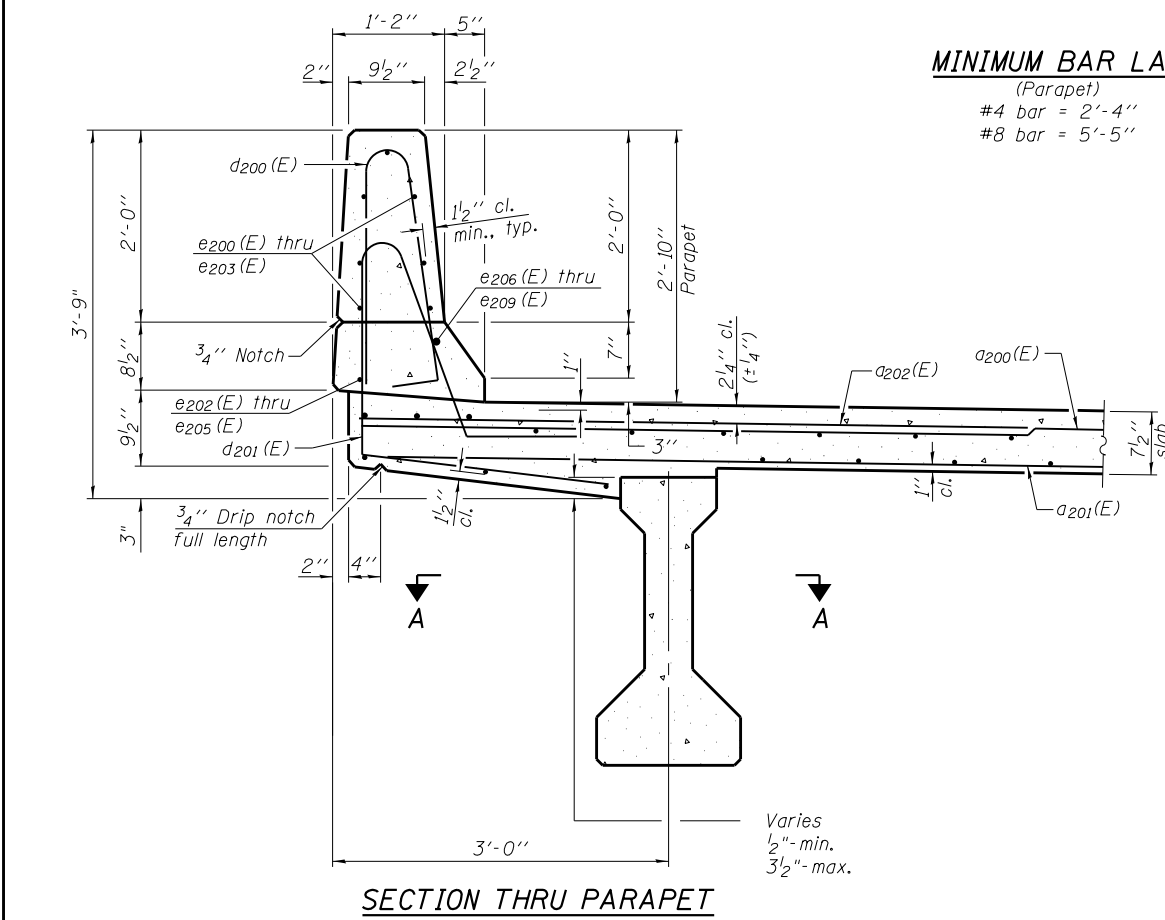
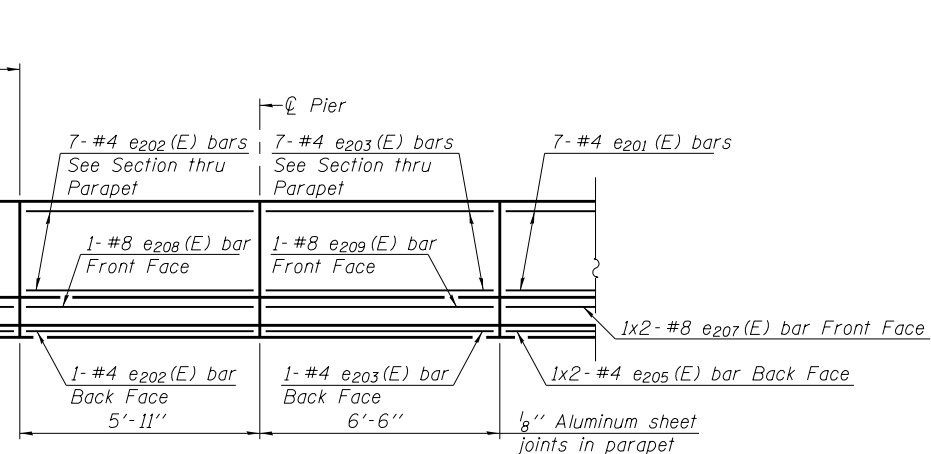
SUPERSTRUCTURE
STRUCTURE NO. 039-0062

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	325	92
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	

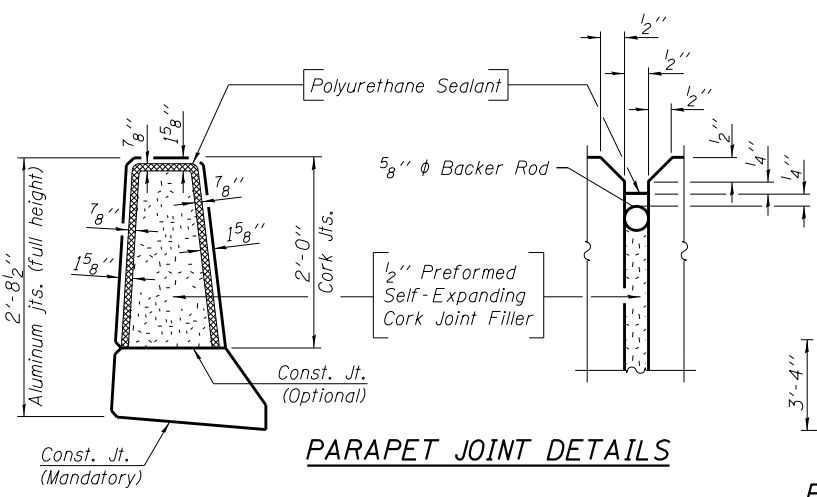


INSIDE ELEVATION OF PARAPET

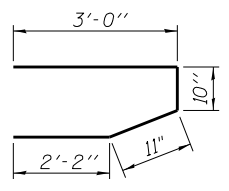


SECTION THRU PARAPET

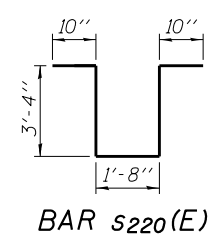
MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-4"
#8 bar = 5'-5"



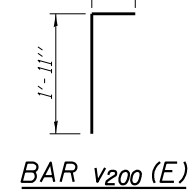
PARAPET JOINT DETAILS



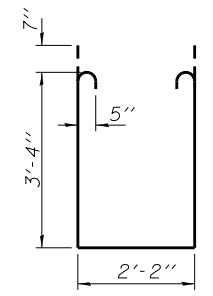
BAR s210(E)



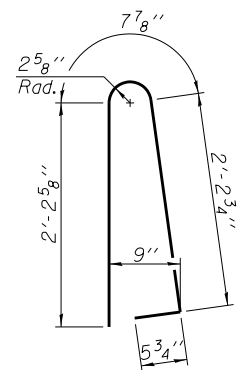
BAR s220(E)



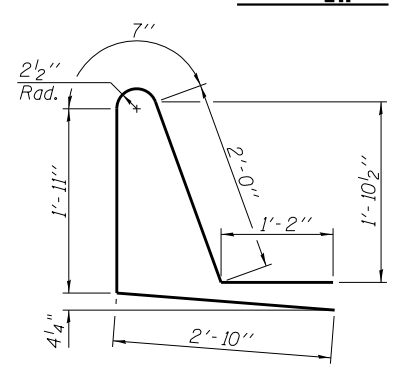
BAR v200(E)



BAR s211(E)



BAR d200(E)



BAR d201(E)

**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"	U
d201(E)	161	#5	8'-6"	U
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"	U
s211(E)	36	#5	10'-0"	U
s220(E)	30	#5	10'-0"	U
v200(E)	42	#5	2'-9"	L
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.

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.

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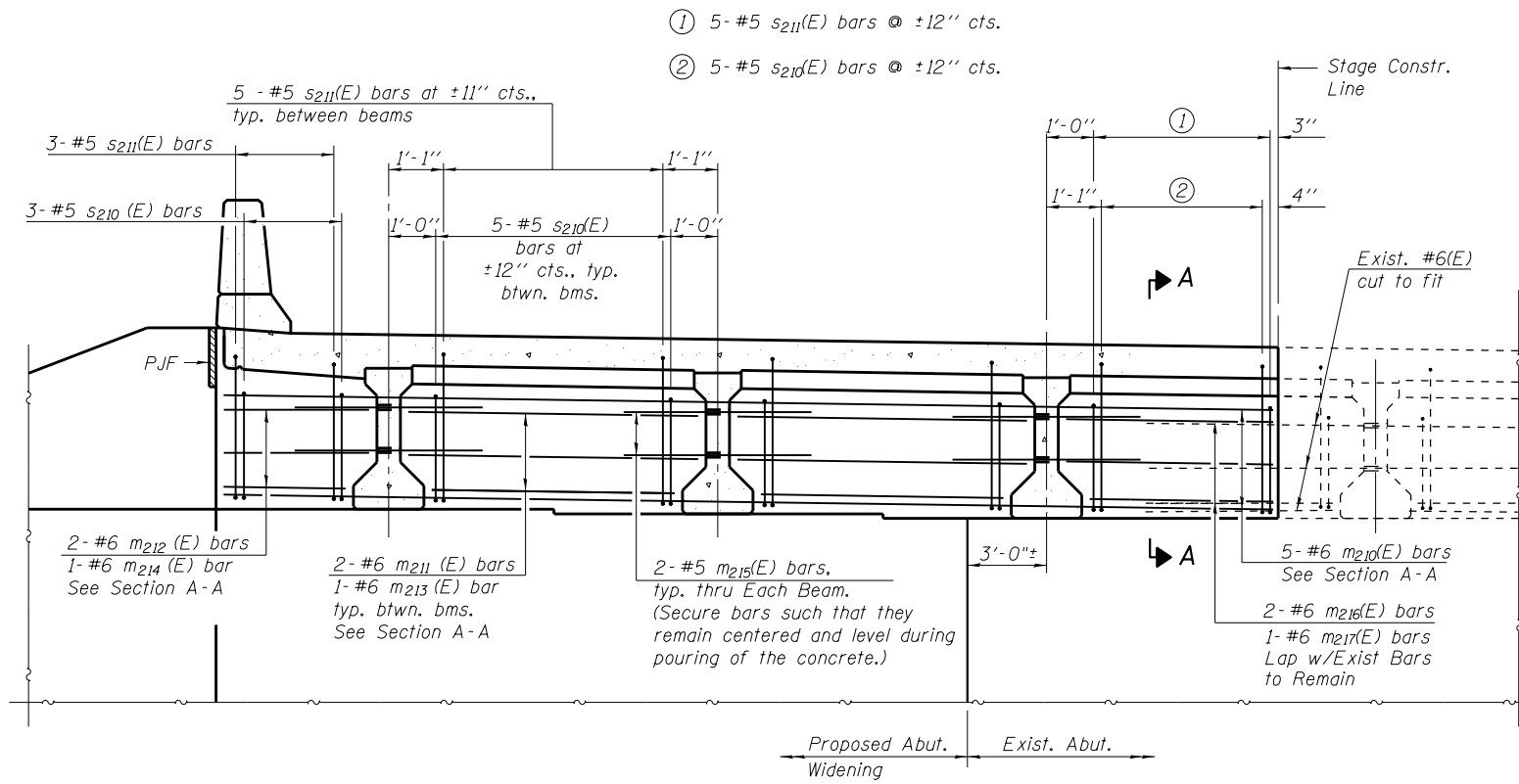
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

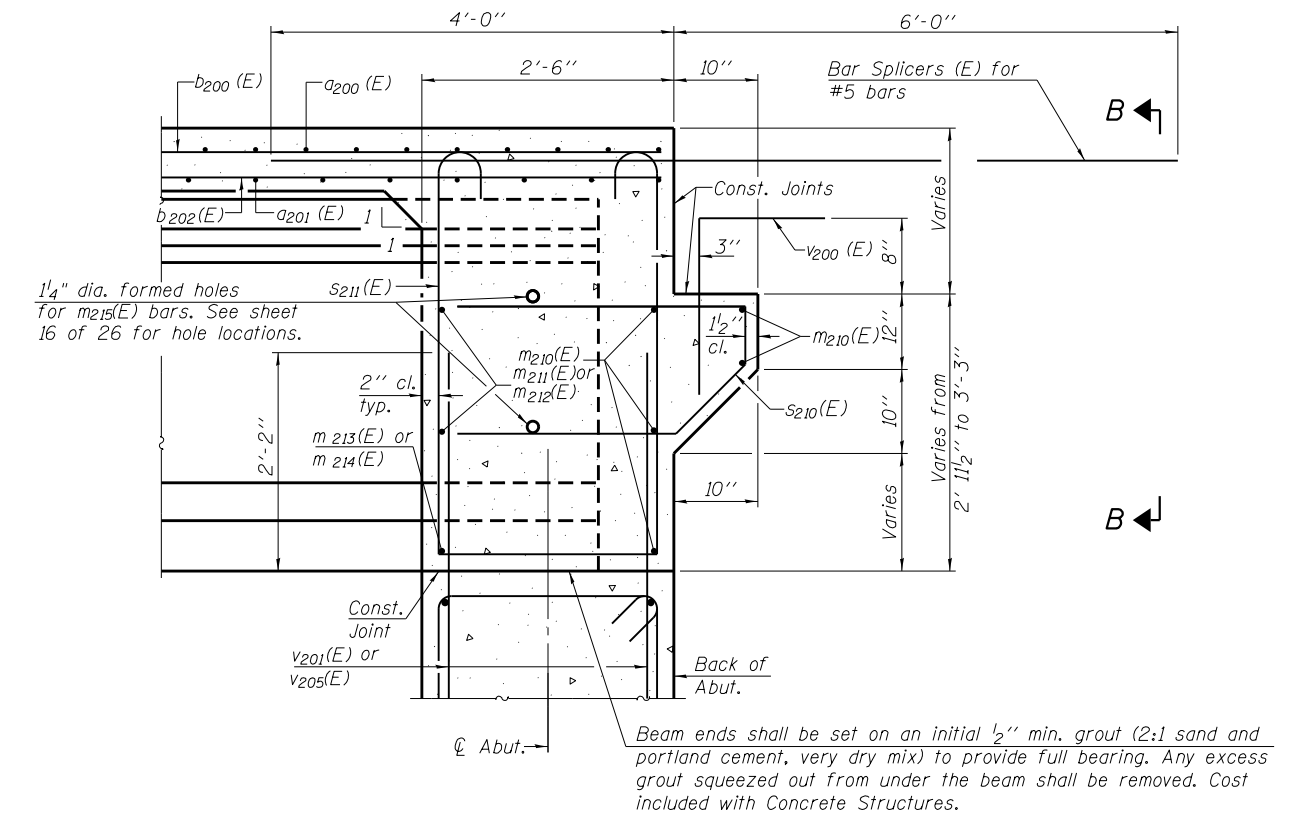
**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 039-0062**

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	325	93
CONTRACT NO. 78295			ILLINOIS FED. AID PROJECT	

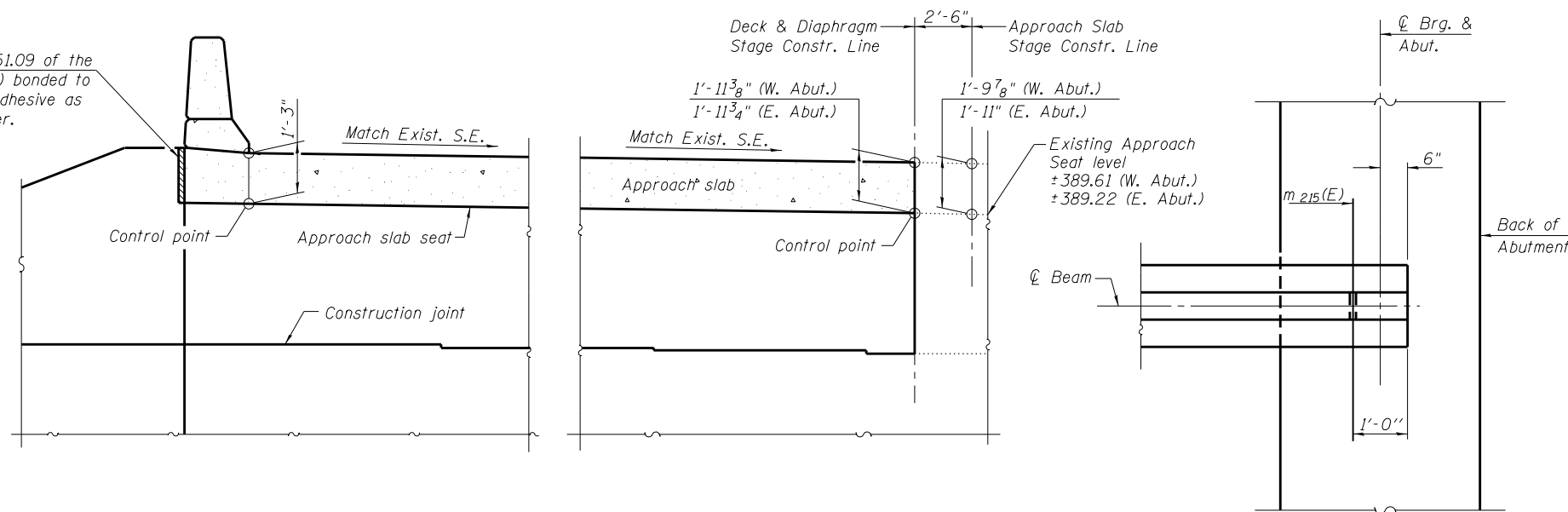


DIAPHRAGM AT ABUTMENT
(East Abutment Shown)



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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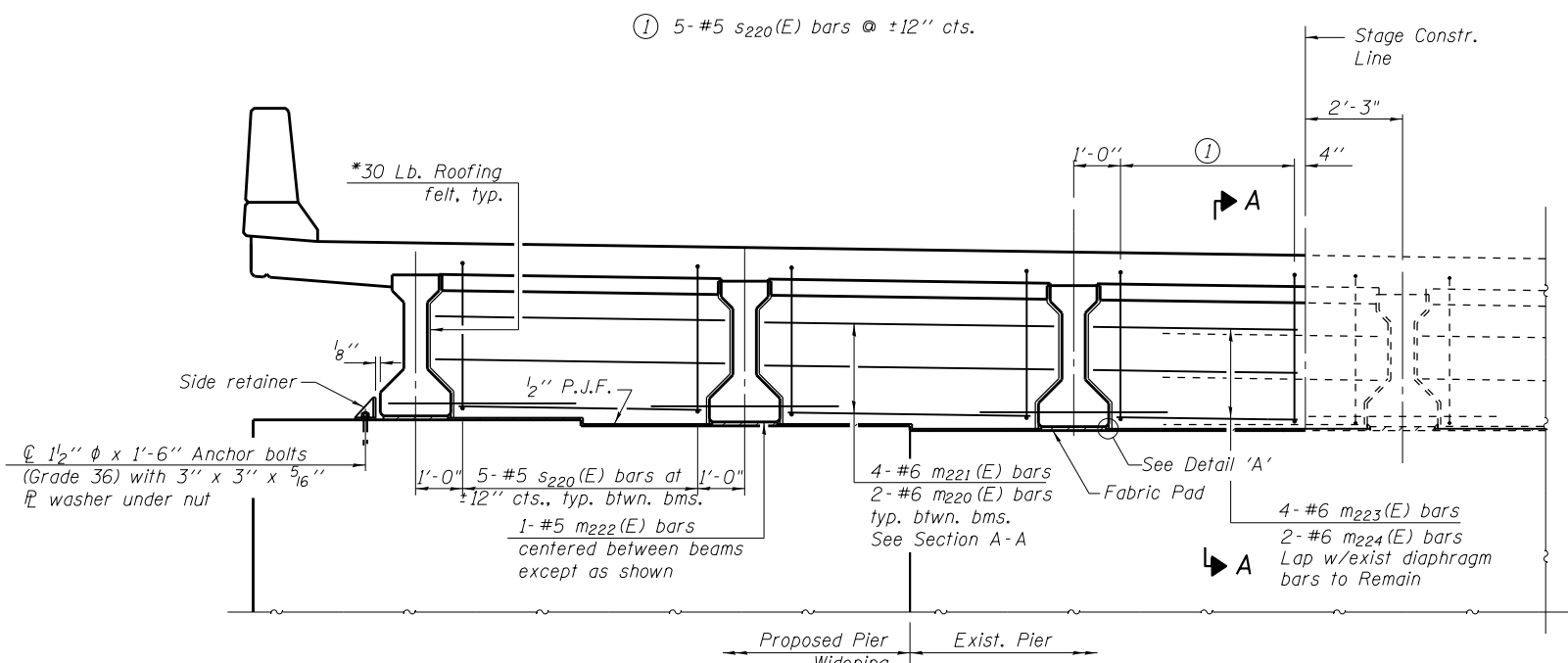
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERGRAL ABUTMENT DIAPHRAGM DETAILS
STRUCTURE NO. 039-0062

SHEET NO. 10 OF 26 SHEETS

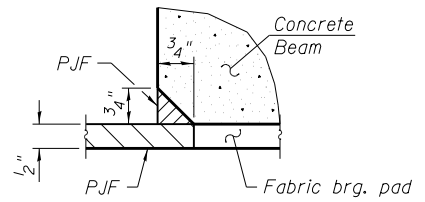
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	94
CONTRACT NO. 78295				

ILLINOIS FED. AID PROJECT

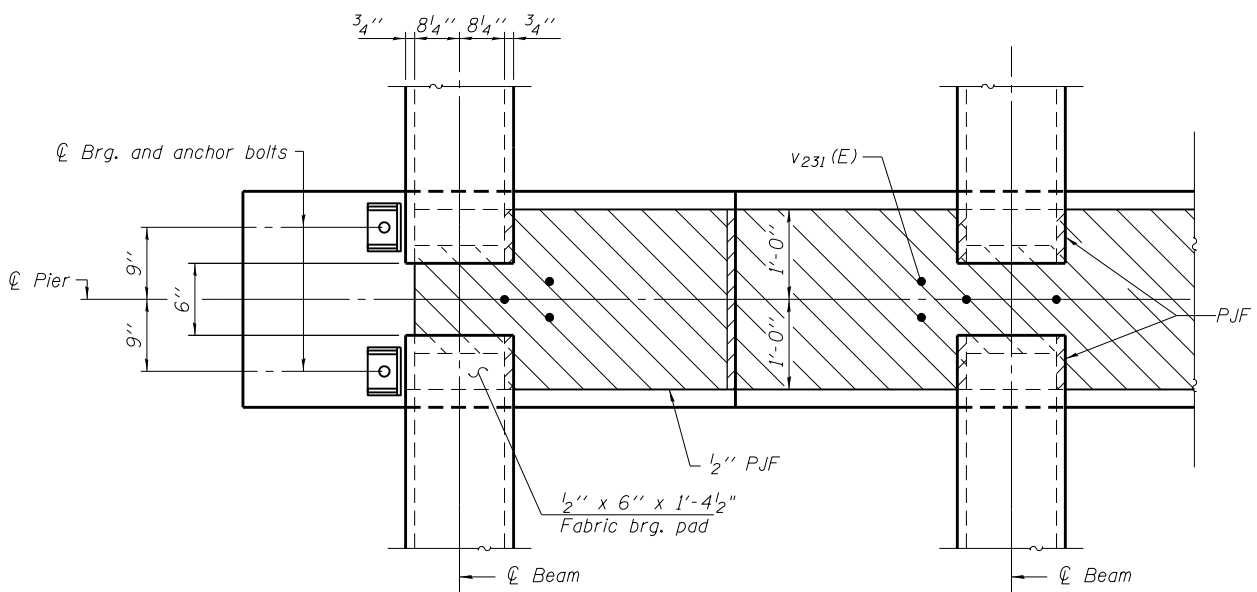


DIAPHRAGM AT PIER

*Bonded to sides of beams embedded into diaphragm.

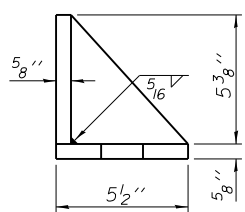


DETAIL 'A'



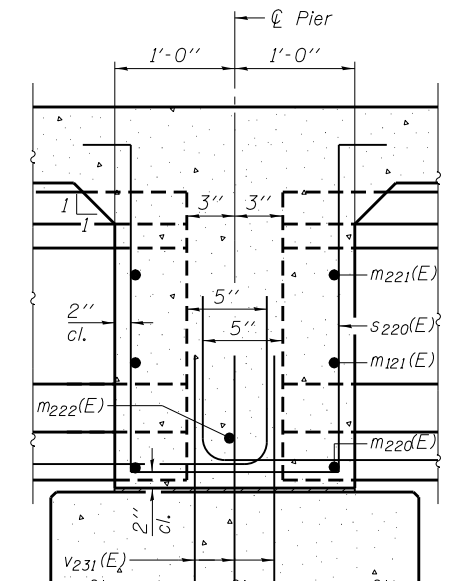
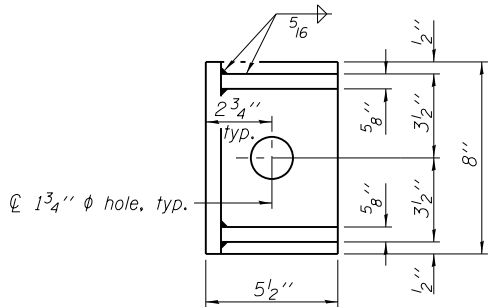
PLAN AT PIER

(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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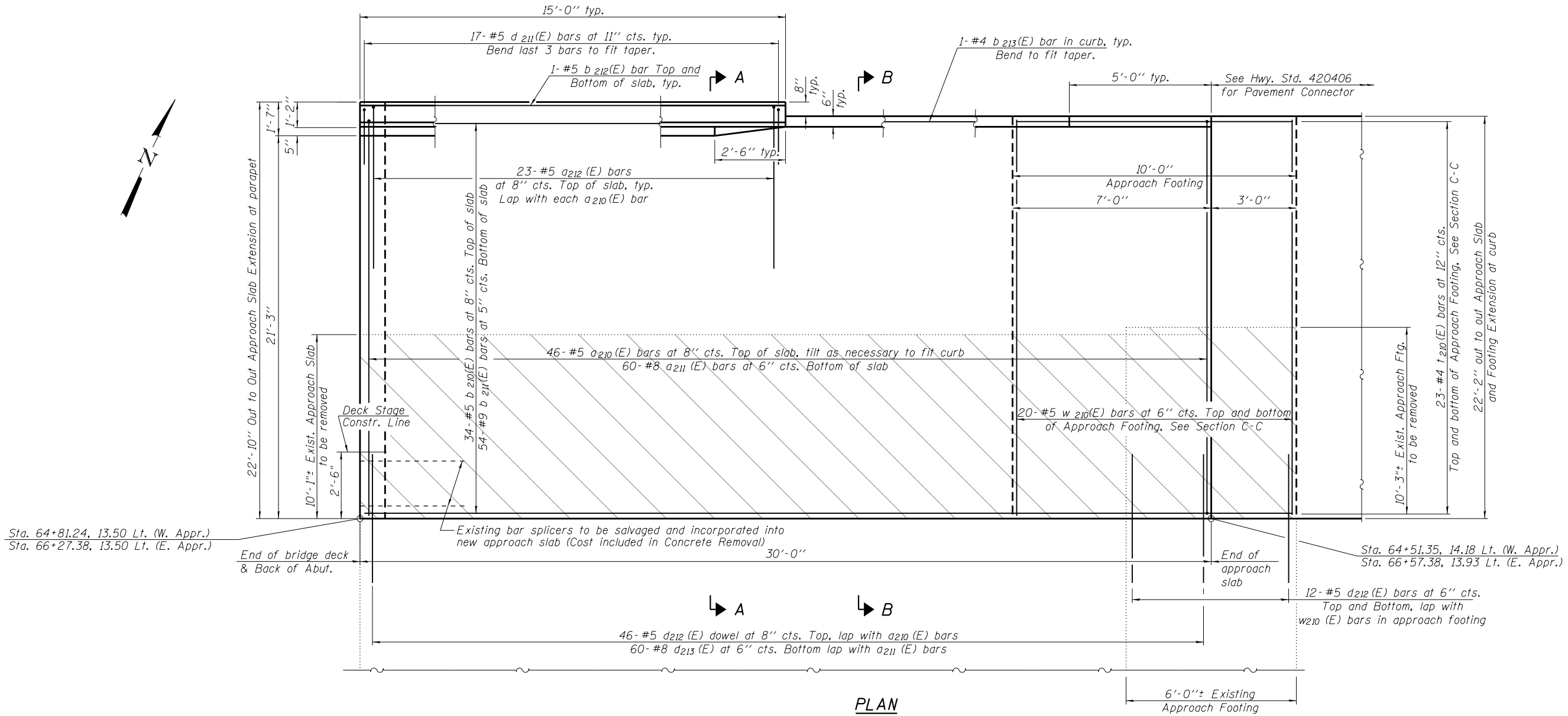
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**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	325	95
CONTRACT NO. 78295				

ILLINOIS FED. AID PROJECT

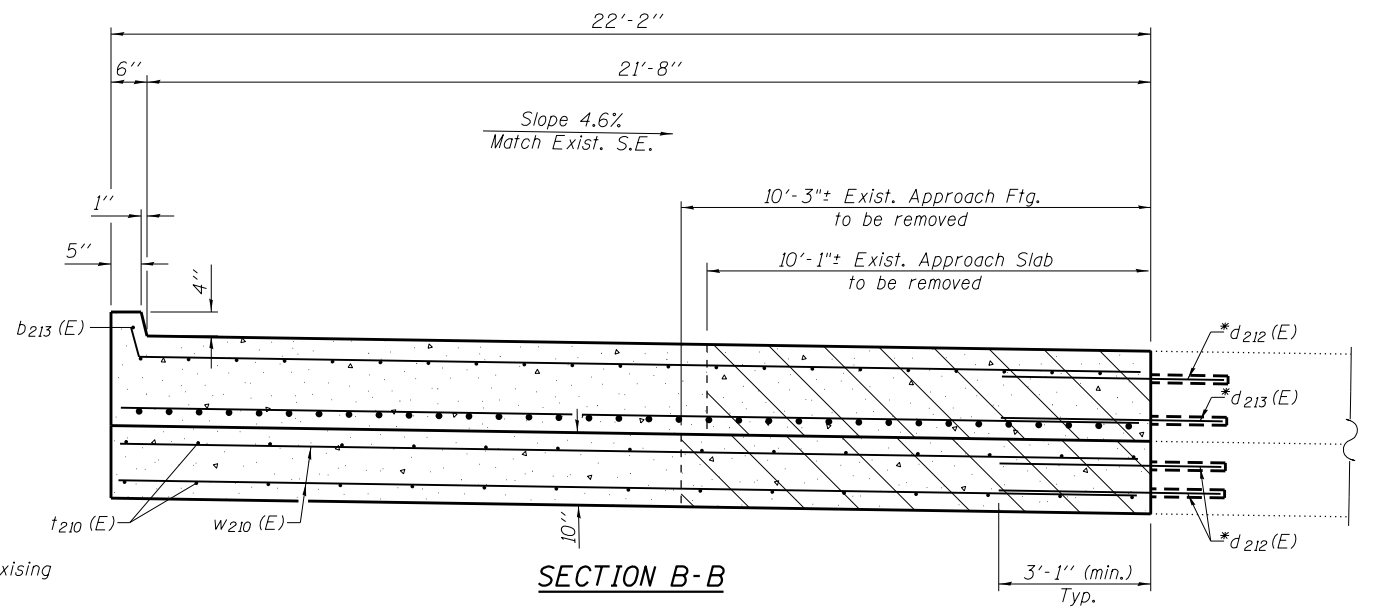
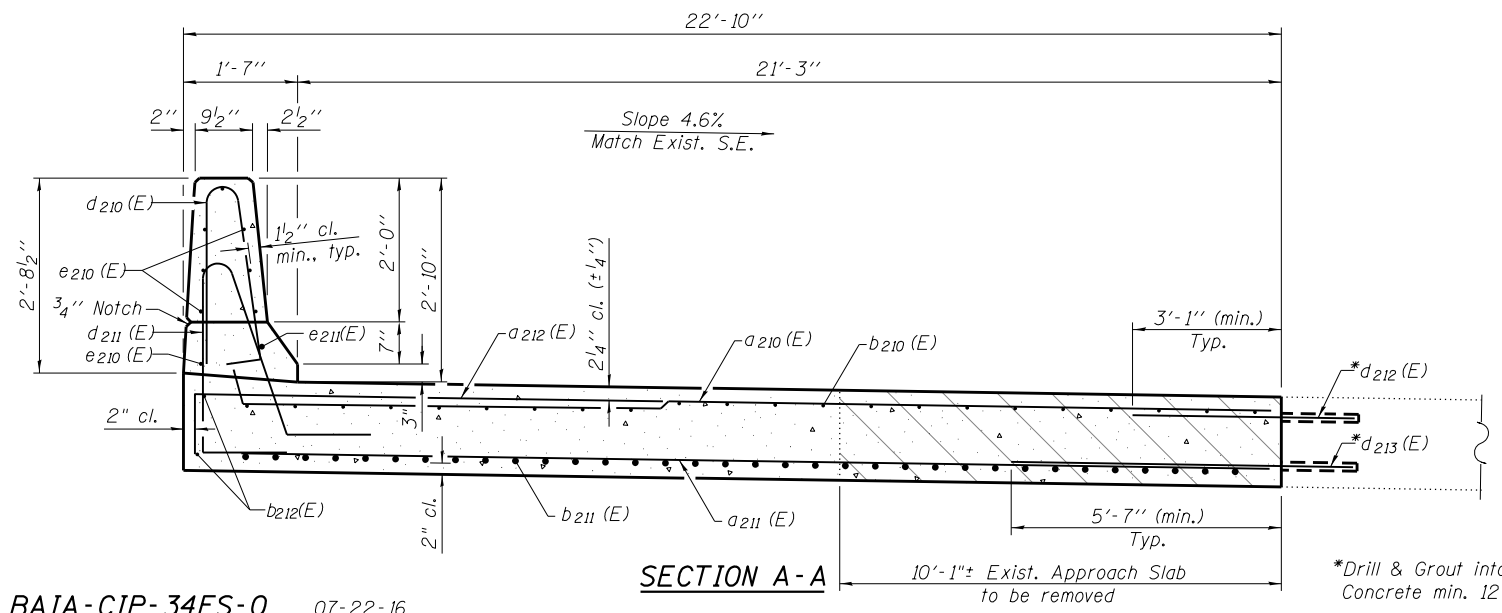


Sta. 64+81.24, 13.50 Lt. (W. Appr.)
Sta. 66+27.38, 13.50 Lt. (E. Appr.)

Sta. 64+51.35, 14.18 Lt. (W. Appr.)
Sta. 66+57.38, 13.93 Lt. (E. Appr.)

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



USER NAME =	DESIGNED DRC	REVISED
... \98850-0062.012-App Slab Dtls 1.dgn	CHECKED LM	REVISED
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PLOT DATE =	CHECKED WLB	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SHEET NO. 12 OF 26 SHEETS

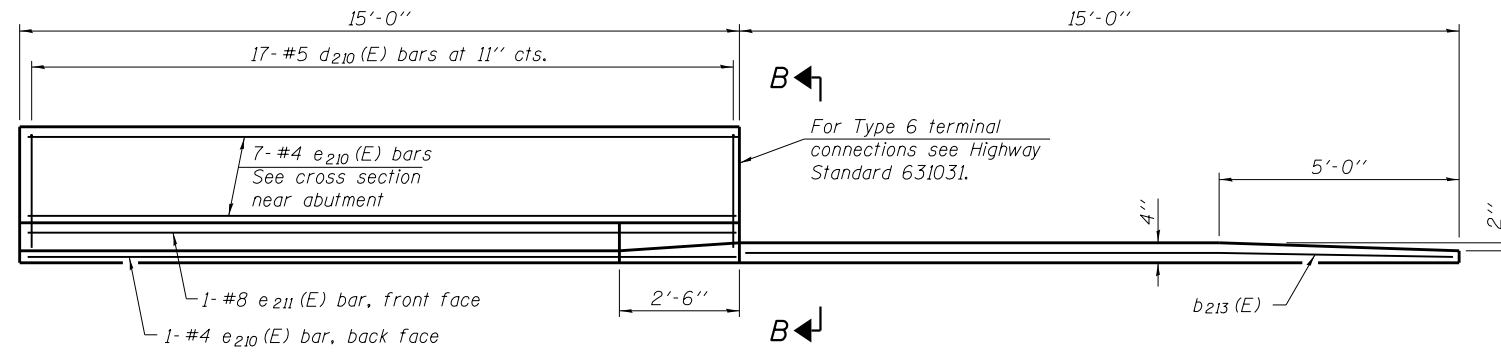
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-3)R-1,N-1,B-5,BR-1,B-6,BR-2	JACKSON	325	96
CONTRACT NO. 78295				

ILLINOIS FED. AID PROJECT

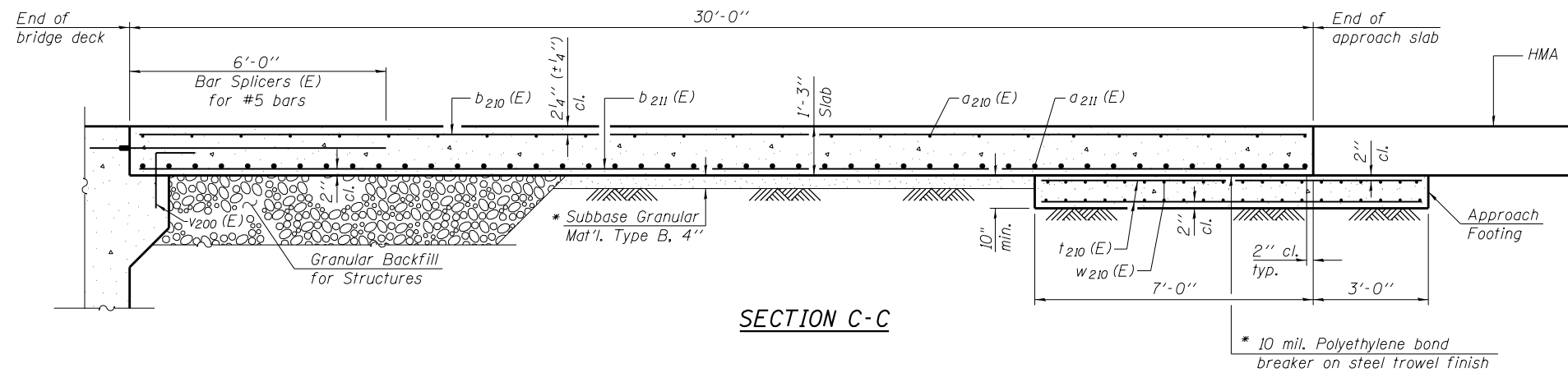
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Notes:

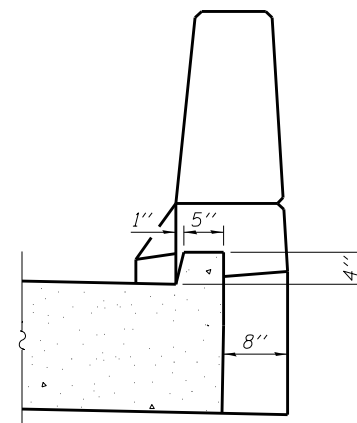
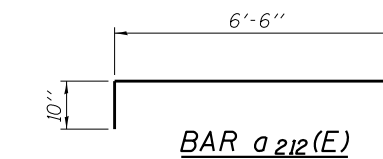
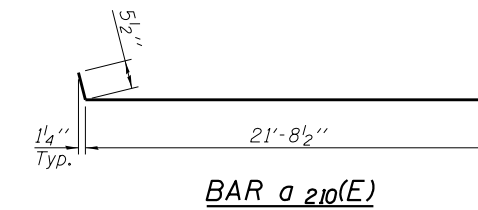
Parapet concrete shall be paid for as Concrete Superstructure.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 26.
 Dowels shall be installed per Article 584 of Standard Specifications. The embedment depth shall be per manufacturer recommendation for developing full tensile strength of dowel in 3500 psi concrete.
 For v200(E) bar details, see sheet 9 of 26.



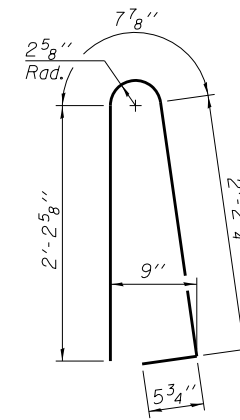
INSIDE ELEVATION OF PARAPET AND CURB



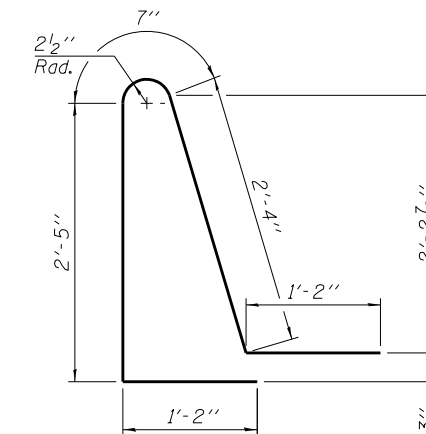
SECTION C-C



VIEW B-B



BAR d210(E)



BAR d211(E)

**TWO APPROACHES
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape	
a210 (E)	92	#5	22'-2"	—	
a211 (E)	120	#8	21'-10"	—	
a212 (E)	46	#5	7'-4"	—	
b210 (E)	68	#5	29'-8"	—	
b211 (E)	108	#9	29'-8"	—	
b212 (E)	10	#5	14'-8"	—	
b213 (E)	2	#4	14'-8"	—	
d210 (E)	34	#5	5'-7"	∧	
d211 (E)	34	#5	7'-8"	∧	
d212 (E)	172	#5	4'-1"	—	
d213 (E)	120	#8	6'-7"	—	
d214 (E)	32	#5	2'-0"	└	
e210 (E)	16	#4	14'-8"	—	
e211 (E)	2	#8	14'-8"	—	
t210 (E)	92	#4	9'-8"	—	
w210 (E)	80	#5	21'-10"	—	
Concrete Superstructure				Cu. Yd.	3.3
Concrete Superstructure (Approach Slab)				Cu. Yd.	77.2
Concrete Structures				Cu. Yd.	13.7
Reinforcement Bars, Epoxy Coated				Pound	28,670
Drill and Grout Bars				Each	292
Bridge Deck Grooving				Sq. Yd.	138
Protective Coat				Sq. Yd.	158

* Cost included with Concrete Superstructure (Approach Slab).

** Per manufacturer recommendations

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... \98850-0062_013-App Slab Dtl.s 2.dgn	CHECKED LM	REVISED
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PLOT DATE =	CHECKED WLB	REVISED

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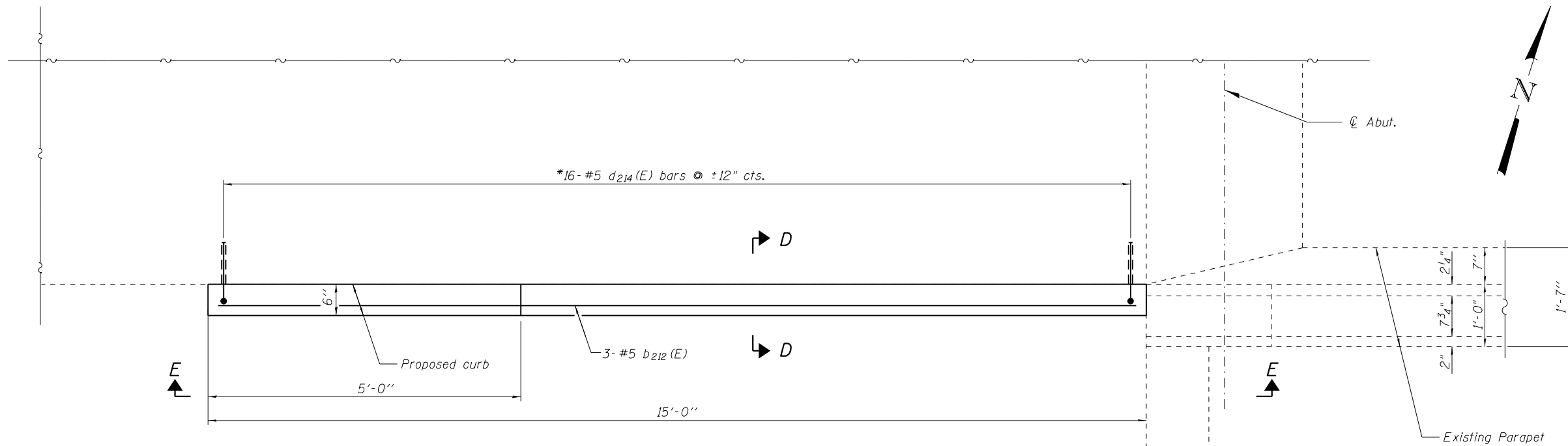
APPROACH SLAB DETAILS 2
STRUCTURE NO. 039-0062

SHEET NO. 13 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	325	97
				CONTRACT NO. 78295

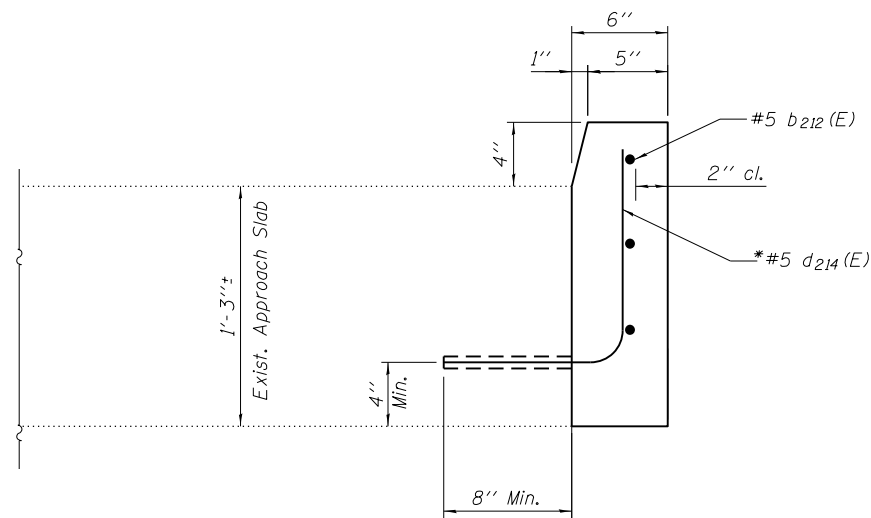
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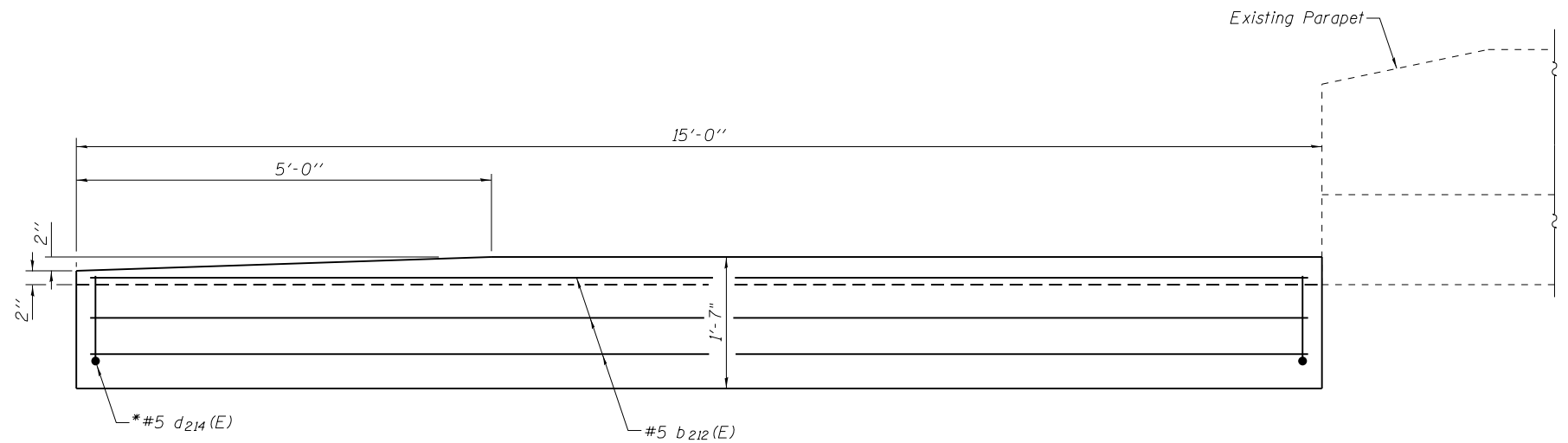


Notes:
 Dowels shall be installed per Article 584 of Standard Specifications. The embedment depth shall be per manufacturers recommendation for developing full tensile strength of dowel in 3500 psi concrete. Partial removal of existing slopewall adjacent to guardrail may be required to facilitate construction of the proposed curb. Cost shall be included in Concrete Superstructure (Approach Slab). Work associated with proposed curb shall be accommodated prior to Stage 1 Construction. See Roadway Plans and Special Provisions for details.

PLAN
 (West Abutment Shown, East Abutment Similar but Opposite Hand)



SECTION D-D



VIEW E-E

*Drill and grout into Existing Concrete Min. 8"

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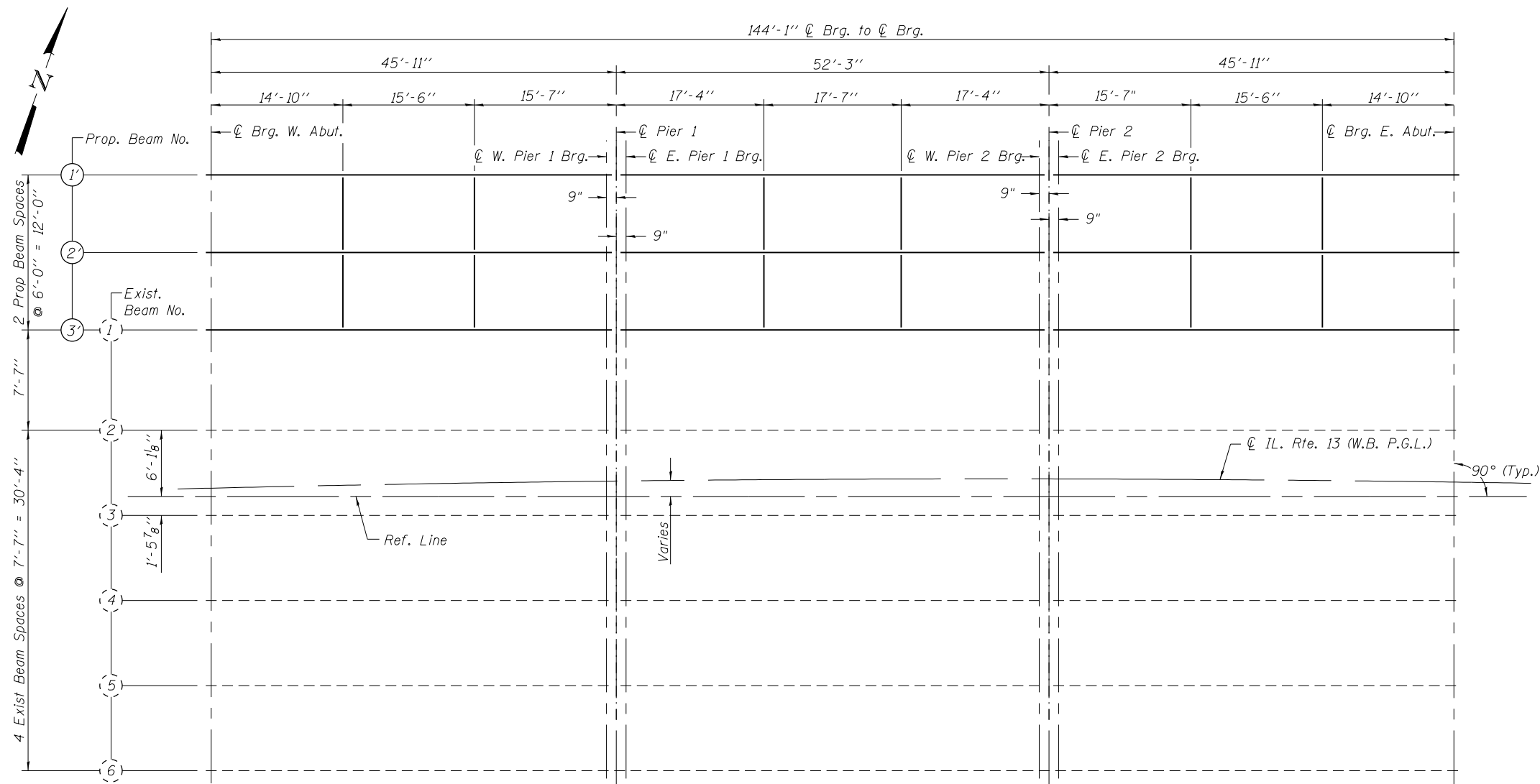
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**APPROACH SLAB MODIFICATION DETAILS
 STRUCTURE NO. 039-0062**

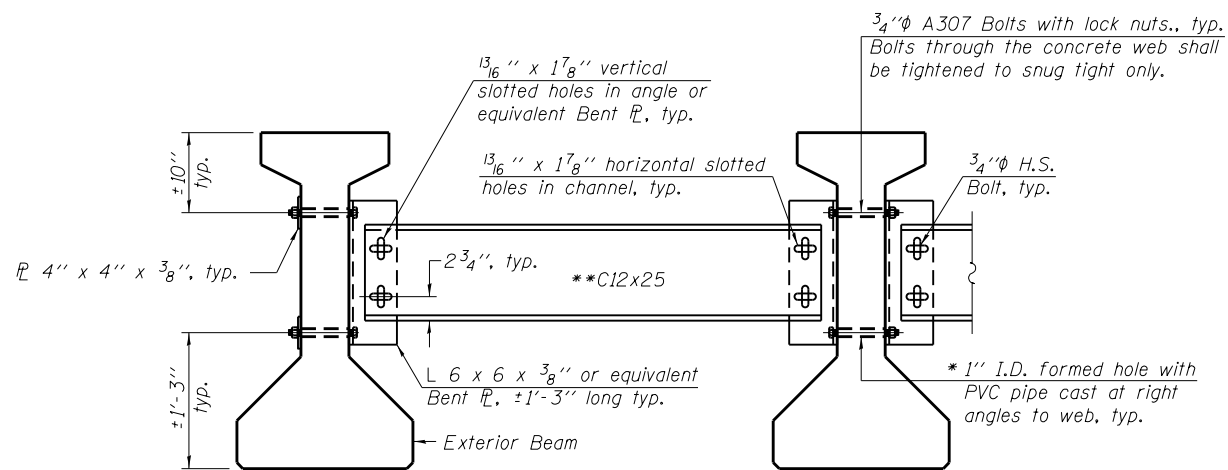
SHEET NO. 14 OF 26 SHEETS

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	325	98
CONTRACT NO. 78295				

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FRAMING PLAN



PERMANENT BRACING DETAILS FOR 36" PPC I-BEAMS

Notes:

All material for bracing shall be hot dip galvanized according to AASHTO M111 unless otherwise noted. Two hardened washers are required for each set of oversized holes. All holes shall be $1\frac{5}{16}$ " ϕ unless otherwise noted. $5\frac{1}{16}$ " x 3" x 3" plate washers are required over all slotted holes. All bolts shall be galvanized according to AASHTO M232. Bracing shall be installed as beams are erected and tightened as soon as possible during erection. Permanent bracing shall not be paid for separately, but shall be included in the cost of Furnishing and Erecting Precast Prestressed Concrete I-Beams.

* Fabricator shall locate to miss strands within permissible tolerances.

INTERIOR BEAM MOMENT TABLE			
	0.4 Sp. 1 0.6 Sp. 3	Pier 1 or 2	0.5 Sp. 2
I	(in ⁴) 48,648		48,648
I'	(in ⁴) 171,080	171,080	171,080
S _b	(in ³) 3,165.1		3,165.1
S _b '	(in ³) 5,860.9	5,860.9	5,860.9
S _t	(in ³) 2,358.1		2,358.1
S _t '	(in ³) 11,955	11,955	11,955
Q	(k/')	1.01	1.01
M _Q	(k')	250	329
s _Q	(k/')	0.28	0.28
M _{s_Q}	(k')	44	28
LLDF		0.617	0.617
M _L	(k)	270	254
M _I	(k)	79	72

INTERIOR BEAM REACTION TABLE			
	Abut.	Pier 1 Span 1 Pier 2 Span 3	Pier 1 Span 2 Pier 2 Span 2
LLDF	0.771	0.617	0.617
R _Q	23.0	23.0	25.8
R _{s_Q}	4.9	7.5	7.5
R _L	41.7	20.9	20.9
R _I	12.2	6.1	5.9
R _{Total}	81.8	57.6	60.2

***At continuous piers, reactions from composite loads are assumed to be equally distributed to each bearing line.

- I: Non-composite moment of inertia of beam section (in⁴).
- I': Composite moment of inertia of beam section (in⁴).
- S_b: Non-composite section modulus for the bottom fiber of the prestressed beam (in³).
- S_b': Composite section modulus for the bottom fiber of the prestressed beam (in³).
- S_t: Non-composite section modulus for the top fiber of the prestressed beam (in³).
- S_t': Composite section modulus for the top fiber of the prestressed beam (in³).
- Q: Un-factored non-composite dead load (kips/ft.).
- M_Q: Un-factored moment due to non-composite dead load (kip-ft.).
- s_Q: Un-factored long-term composite (superimposed) dead load (kips/ft.).
- M_{s_Q}: Un-factored moment due to long-term composite (superimposed) dead load (kip-ft.).
- M_{s_L}: Un-factored live load moment on the composite section (kip-ft.).
- M_I: Un-factored moment due to impact on the composite section (kip-ft.).

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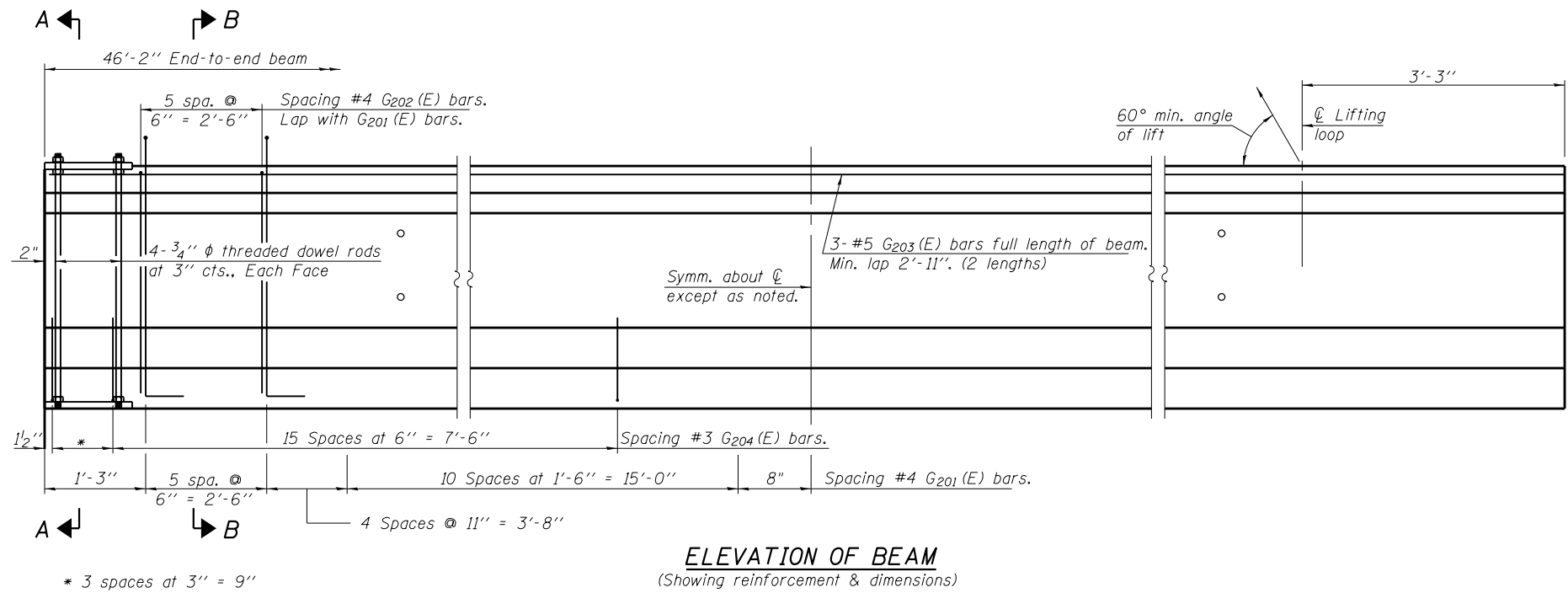
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PLOT DATE =	CHECKED WLB	REVISED

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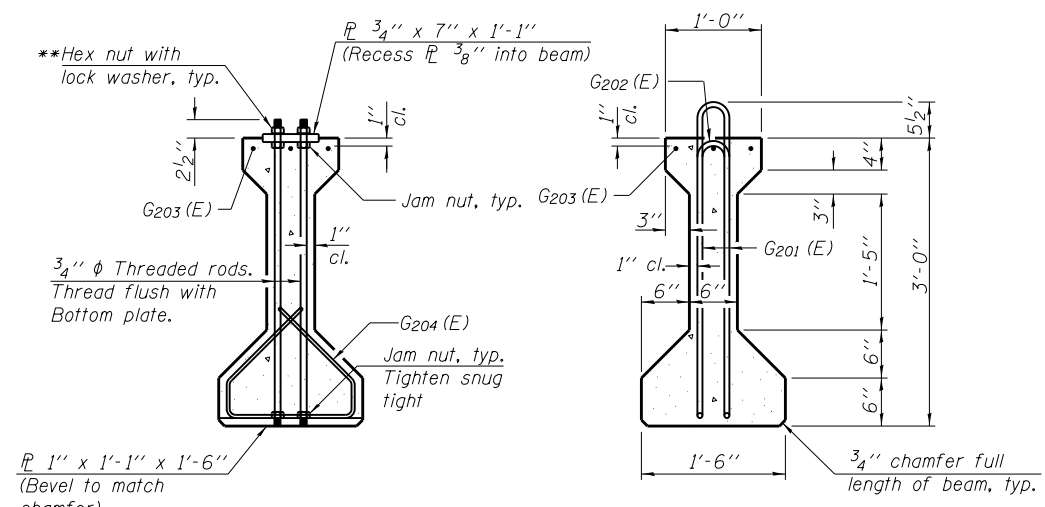
FRAMING PLAN AND DETAILS
STRUCTURE NO. 039-0062

SHEET NO. 15 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	325	99
CONTRACT NO.			78295	
ILLINOIS FED. AID PROJECT				



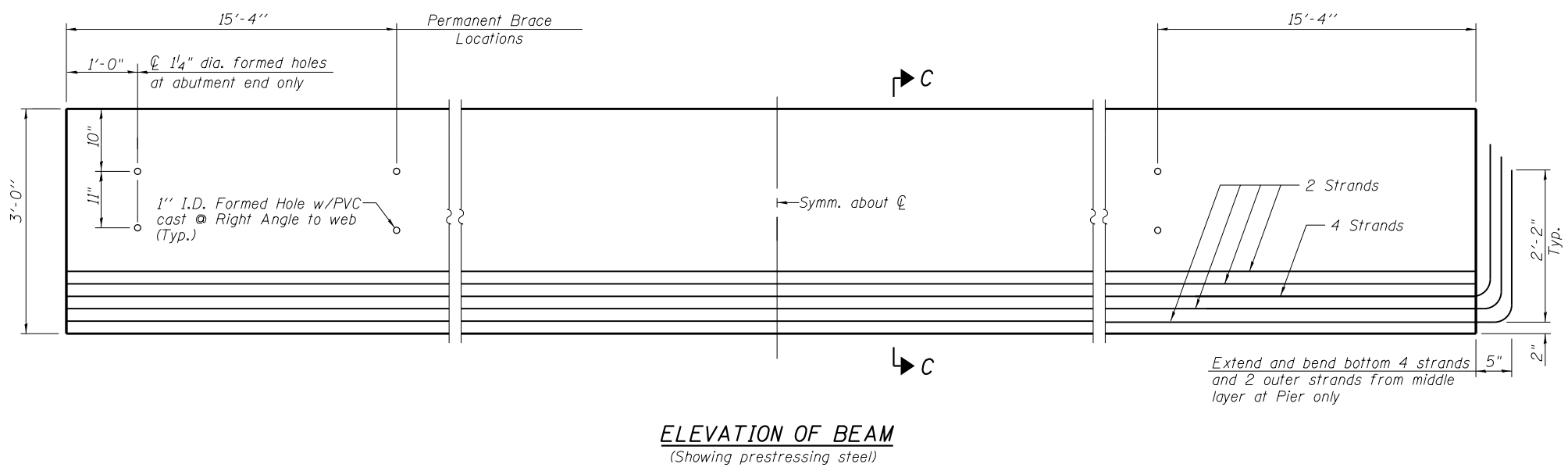
ELEVATION OF BEAM
(Showing reinforcement & dimensions)



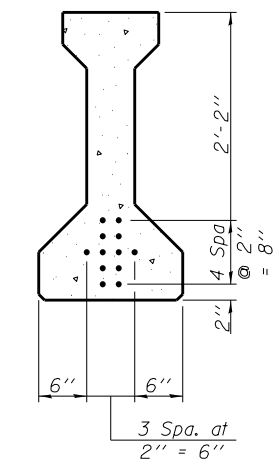
SECTION A-A

SECTION B-B

**Only tighten sufficiently to compress lock washers



ELEVATION OF BEAM
(Showing prestressing steel)



SECTION C-C
(12-1/2" ϕ 270 ksi strands)

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
G201(E)	40	#4	7'-7"	⏏
G202(E)	10	#4	5'-8"	⏏
G203(E)	6	#5	24'-10"	—
G204(E)	38	#3	4'-1"	⏏

Notes:
See sheet 18 of 26 for additional details and Bill of Material.
See sheet 15 of 26 for permanent bracing details.

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PLOT SCALE =	DRAWN	GLD	REVISED
PLOT DATE =	CHECKED	WLB	REVISED

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36" PPC I-BEAM SPAN 1 & 3
STRUCTURE NO. 039-0062

SHEET NO. 16 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	325	100
			CONTRACT NO. 78295	

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