

095

03-06-2020 LETTING ITEM 095

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	1
CONTRACT NO. 78715				

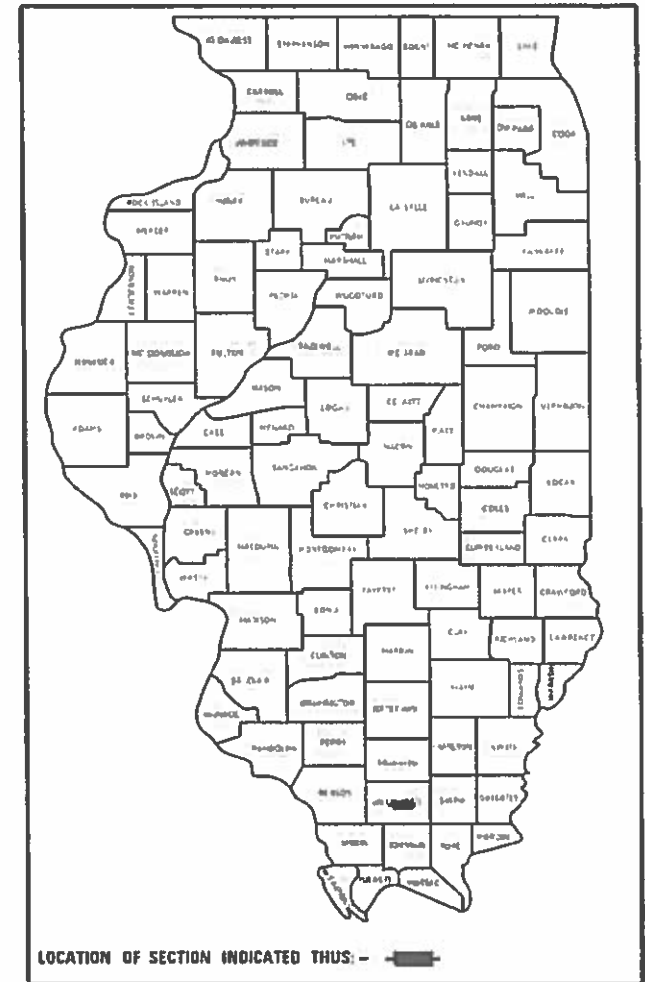
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 331 (IL 13)
SECTION (6-1)N-2,RS-3
PROJECT NHPP-HSIP-E2FP(500)

**INTERSECTION IMPROVEMENT AND RESURFACING
WILLIAMSON**

D-99-024-19



FOR INDEX OF SHEETS, SEE SHEET NO. 3

FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 6-13

DESIGN DESIGNATION: 2112(20) OTHER PRINCIPAL ARTERIAL 2.31 (FD-20)

TRAFFIC DATA

	ADT	% TRUCKS
ILLINOIS 13 (EAST OF AURELIA)	13,700 (2017)	11.5
ILLINOIS 13 (WEST OF AURELIA)	13,700 (2017)	11.5
SOUTH AURELIA DRIVE	2275 (2015)	9.9
NORTH AURELIA DRIVE	220 (2015)	0.0

TOWNSHIPS

EAST MARION

COORDINATE SYSTEM : ILLINOIS COORDINATE SYSTEM, EAST ZONE

POSTED SPEED : 55 MPH

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

PROJECT ENGINEER SUSAN POE
PROJECT DESIGNER DYLAN WHITE

CONTRACT NO. 78715



STATION EQUATION
102+35.67 (BK) = 102+75.67 (AH) EB
102+66.89 (BK) = 102+75.67 (AH) WB

GROSS LENGTH = 8,438 FT. = 1.6 MILES
NET LENGTH = 8,438 FT. = 1.6 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 12-16-2019
[Signature]
REGION FIVE ENGINEER

Jan 31 2020
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 31 2020
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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Prepared By: Charles Stein
DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Abel
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Conne Nelson
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: Keel Kelly
DISTRICT OPERATIONS ENGINEER

Examined By: K.P.S.
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: David J. Murphy
DISTRICT CONSTRUCTION ENGINEER

Examined By: R. L. O.
DISTRICT MATERIALS ENGINEER

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNATURE SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	2
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

INDEX OF SHEETS

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4	MIXTURE REQUIREMENTS
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84-106	ILLINOIS 13 EB CROSS-SECTIONS
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140-144	SOUTH AURELIA / SE QUAD CROSS-SECTIONS
145-150	NORTH AURELIA / NW QUAD CROSS-SECTIONS

STANDARDS

- 000001-07.STANDARDSYMBOLSABBREVIATIONS&PATTERNS
- 001006.DECIMALOF INCH&FOOT
- 280001-07.TEMPEROSIONCNTRLSYSTEMS
- 442201-03.CLASSC&DPATCHES
- 482001-02.HMASHLDADJTOFLXPVMT
- 542306-03.PRECASTREINFCONCELLIPTICALFLAREENDSECT
- 542546-01.FLUSHINLETBOXFORMEDIAN
- 601001-05.PIPEUNDERDRAINS
- 601101-02.CONCHDWFORPIPEUNDERDRAINS
- 602301-04.INLET-TYPEA
- 602306-03.INLET-TYPEB
- 602402-02.PRECASTMANHOLE-TYPEA5FTDIA
- 602601-06.PRECASTREINFCONCFATSLABTOP
- 602701-02.MANHOLESTEPS
- 604001-05.FRAME&LIDS-TYPE1
- 604061-03.FRAME&GRATETYPE12
- 606001-07.CONCCURBTYP&COMBOCONCC&G
- 606301-04.PCCISLANDS&MEDIANS
- 701101-05.OFFRDOP-MULTILN-LESSTHAN15FTTOEOP
- 701106-02.OFFRDOP-MULTILN-MORETHAN15FTAWAY
- 701421-08.LNCLOSUREMULTILN-DAYOPONLY45-55MPH
- 701422-10.LNCLOSUREMULTILN-45-55MPH
- 701426-09.LNCLOSUREMULTILN-INTERMITTANTORMOVINGOP45MPHORMORE
- 701602-10.URBANLNCLOSUREMULTILN2WWITHBIDIRECTLEFTTURNLN
- 701701-10.URBANLNCLOSUREMULTILNINTERSECTION
- 701901-08.TRAFCNTRLDEVICES
- 720001-01.SIGNPANELMOUNTDETAILS
- 720006-04.SIGNPANELRECTDETAILS
- 720011-01.METALPOSTSFORSIGNSMRKRS&DELINEATORS
- 720021-02.SIGNPANELS-EXTRUDEDALUMTYPE
- 729001-01.APPOFTYPESA&BPOSTS
- 780001-05.TYPICALPVMTRKINGS
- 781001-04.TYPICALAPPRAISEDREFLCPVMTMRKRS
- 821101-02.LUMINAIRE WIRING IN POLE
- 825001-04.LIGHTINGCONTROLLERPOLEMOUNT240V
- 830006-05.LIGHTPOLEALUMINUMDAVITARM
- 836001-04.LIGHTPOLEFOUNDATION
- 838001-01.BREAKAWAYDEVICES
- 886001-01.DETECTORLOOPINSTALLATIONS
- 886006-01.TYPICALLAYOUTSFORDETECTIONLOOPS
- BLR21-9.TYPAPPTRAFCNTRLDEVICES-CONSTRONRURALLOCALHWYS

MTD CROSSING RESTRICTIONS TABLE

IL 13 SN & CENTERLINE STATION		EXISTING FILL HEIGHT OVER BOX CULVERT	THICKNESS OF EXISTING PAVEMENT OVER BOX CULVERT	MTD CROSSING RESTRICTIONS
		FOOT	INCH	
SN 100-0022	STA 135+62 EB	-	-	EMPTY
SN 100-0023	STA 135+62 WB	-	-	EMPTY
SN 100-2005	STA 71+82 EB, WB	3.4	14.75	EMPTY
SN 100-7014	STA 89+24 EB, 89+14 WB	3.5	14.75	EMPTY

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Location(s):	Hot-Mix Asphalt Surface Course and Hot-Mix Asphalt Full Depth Pavement (Surface Lift)
Mixture Use(s):	Polymerized Hot-Mix Asphalt Surface Course, Mix D, 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:	D Surface
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCQA - Full-Depth Pavement; QCP - Tons
Sublot Size:	TBD

Location(s):	Hot-Mix Asphalt Binder Course and Hot-Mix Asphalt Full Depth Pavement (Binder Top Lift) for Eastbound Right Turn Lane
Mixture Use(s):	Polymerized Hot-Mix Asphalt Binder Course, N90, IL-9.5 FG
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 90 Gyration Design
Mixture Composition: (Mixture Gradation)	IL-9.5mm FG
Friction Aggregate:	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCP - Tons; QCQA - Full-Depth Pavement
Sublot Size:	HMA Binder Course - TBD; Full-Depth Pavement - NA

Location(s):	Hot-Mix Asphalt Full Depth Pavement (Binder Top Lift) - for all Full Depth Pavement except Eastbound Right Turn Lane
Mixture Use(s):	Polymerized 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:	QCQA - Full-Depth Pavement
Sublot Size:	NA

Location(s):	Hot-Mix Asphalt Shoulders (Top Lift)
Mixture Use(s):	Hot-Mix Asphalt Surface Course, N30, IL-9.5L
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 30 Gyration Design
Mixture Composition: (Mixture Gradation)	IL-9.5L
Friction Aggregate:	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCQA
Sublot Size:	NA

Location(s):	Hot-Mix Asphalt Full Depth Pavement (Binder 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: (Mixture Gradation)	IL-19.0mm
Friction Aggregate:	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCQA - Full-Depth Pavement
Sublot Size:	NA

Location(s):	Hot-Mix Asphalt Shoulders (Lower Lifts)
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N30, IL-19.0L
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 30 Gyration Design
Mixture Composition: (Mixture Gradation)	IL-19.0L
Friction Aggregate:	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCQA
Sublot Size:	NA

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MIXTURE REQUIREMENTS		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	4
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES - CONT

ROUTE:	IL 13 (FAP 331)		
COUNTY:	WILLIAMSON		
FUNDING:	90 % FED. 10 % STATE	80 % FED. 20 % STATE	90 % FED. 10 % STATE
LOCATION:	URBAN	URBAN	URBAN

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY	ROADWAY	LIGHTING
				0021	0005	0021
28000500	INLET AND PIPE PROTECTION	EACH	4	4		
31100500	SUBBASE GRANULAR MATERIAL, TYPE A 6"	SO YD	148	148		
31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SO YD	3,517	3,517		
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	176	176		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	45,121	3,334	41,787	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	128	128		
40600990	TEMPORARY RAMP	SO YD	137		137	
40603219	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90	TON	3,650	148	3,502	
40604164	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90	TON	4,366	178	4,188	
40701921	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12"	SO YD	1,919	1,919		
42001300	PROTECTIVE COAT	SO YD	61	61		
44000100	PAVEMENT REMOVAL	SO YD	273	273		
44000151	HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"	SO YD	12,474	103	12,371	
44000154	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4"	SO YD	25,988	927	25,061	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	7
CONTRACT NO. 78715			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES - CONT

ROUTE:	IL 13 (FAP 331)		
COUNTY:	WILLIAMSON		
FUNDING:	90 % FED. 10 % STATE	80 % FED. 20 % STATE	90 % FED. 10 % STATE
LOCATION:	URBAN	URBAN	URBAN

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY	ROADWAY	LIGHTING
				0021	0005	0021
4400155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	5,695		5,695	
4400159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	4,912		4,912	
4400160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SO YD	11,448		11,448	
4400161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SO YD	7,788		7,788	
44004250	PAVED SHOULDER REMOVAL	SO YD	1,153	1,153		
44201377	CLASS C PATCHES, TYPE II, 12 INCH	SO YD	18		18	
44201389	CLASS C PATCHES, TYPE II, 13 INCH	SO YD	28		28	
44201403	CLASS C PATCHES, TYPE II, 14 INCH	SO YD	77		77	
44201415	CLASS C PATCHES, TYPE II, 15 INCH	SO YD	56		56	
44201419	CLASS C PATCHES, TYPE III, 15 INCH	SO YD	18	18		
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	2,177		2,177	
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SO YD	122	122		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	197		197	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	1,195	1,195		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78715	

SUMMARY OF QUANTITIES - CONT

ROUTE:	IL 13 (FAP 331)		
COUNTY:	WILLIAMSON		
FUNDING:	90 % FED. 10 % STATE	80 % FED. 20 % STATE	90 % FED. 10 % STATE
LOCATION:	URBAN	URBAN	URBAN

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY	ROADWAY	LIGHTING
				0021	0005	0021
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1,898	17	1,881	
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	5	5		
542A5482	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 27"	FOOT	5	5		
54214512	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 27"	EACH	1	1		
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	2	2		
54248510	CONCRETE COLLAR	CU YD	1.39	1.39		
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	158	158		
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2	2		
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	35	35		
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
60236900	INLETS, TYPE A, TYPE 12 FRAME AND GRATE	EACH	1	1		
60240315	INLETS, TYPE B, TYPE 12 FRAME AND GRATE	EACH	1	1		
60261546	INLETS TO BE ADJUSTED WITH NEW STANDARD 542546 FRAME AND GRATE	EACH	1	1		
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1	1		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	9
			CONTRACT NO. 78715	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROUTE:	IL 13 (FAP 331)		
				COUNTY:	WILLIAMSON		
				FUNDING:	90 % FED. 10 % STATE	80 % FED. 20 % STATE	90 % FED. 10 % STATE
				LOCATION:	URBAN	URBAN	URBAN
					SAFETY	ROADWAY	LIGHTING
					0021	0005	0021
6050060	REMOVING INLETS	EACH	2		2		
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	39		39		
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	188		188		
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	672		672		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9		5	4	
67100100	MOBILIZATION	L SUM	1		1		
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1			1	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1			1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1			1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	4		4		
70107004	PAVEMENT MARKING BLACKOUT TAPE, 4"	FOOT	283		283		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	91		91		
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1		1		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	9,856		952	8,904	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78715	

SUMMARY OF QUANTITIES - CONT

ROUTE:	IL 13 (FAP 331)		
COUNTY:	WILLIAMSON		
FUNDING:	90 % FED. 10 % STATE	80 % FED. 20 % STATE	90 % FED. 10 % STATE
LOCATION:	URBAN	URBAN	URBAN

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY	ROADWAY	LIGHTING
				0021	0005	0021
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	1,201	126	1,075	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	413.4	125.4	288.0	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	38,938	4,671	34,267	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	716	270	446	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	48	36	12	
* 72000100	SIGN PANEL - TYPE 1	SO FT	110	110		
* 72000300	SIGN PANEL - TYPE 3	SO FT	126	126		
* 72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	1,488	1,488		
* 72900200	METAL POST - TYPE B	FOOT	16	16		
* 73000100	WOOD SIGN SUPPORT	FOOT	133	133		
* 73400100	CONCRETE FOUNDATIONS	CU YD	2.8	2.8		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	413.4	125.4	288.0	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	38,938	4,671	34,267	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	716	270	446	

* SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 331	SECTION (6-1)N-2,RS-3	COUNTY WILLIAMSON	TOTAL SHEETS 150	SHEET NO. 11
CONTRACT NO. 78715			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES - CONT

ROUTE:	IL 13 (FAP 331)		
COUNTY:	WILLIAMSON		
FUNDING:	90 % FED. 10 % STATE	80 % FED. 20 % STATE	90 % FED. 10 % STATE
LOCATION:	URBAN	URBAN	URBAN

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY	ROADWAY	LIGHTING
				0021	0005	0021
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	48	36	12	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	390	16	374	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	333		333	
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1			1
* 81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	190			190
* 81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLY.	FOOT	3,290			3,290
* 82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	12			12
* 82500310	LIGHTING CONTROLLER, POLE MOUNTED, 240VOLT, 60AMP	EACH	1			1
* 83004600	LIGHT POLE, ALUMINUM, 50 FT. M.H., 15 FT. DAVIT ARM	EACH	12			12
* 83600358	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 8'	EACH	12			12
* 83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	48			48
* 88600100	DETECTOR LOOP, TYPE I	FOOT	107		107	
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	1	1		
X2503100	MOWING	UNIT	15	15		

* SPECIALTY ITEM

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 SHEET: 150 of 150

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PLOT DATE = 12/10/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	12
CONTRACT NO. 78715			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES - CONT

ROUTE:	IL 13 (FAP 331)		
COUNTY:	WILLIAMSON		
FUNDING:	90 % FED. 10 % STATE	80 % FED. 20 % STATE	90 % FED. 10 % STATE
LOCATION:	URBAN	URBAN	URBAN

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SAFETY	ROADWAY	LIGHTING
				0021	0005	0021
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	1,918	1,110	808	
X6013700	PIPE UNDERDRAIN REMOVAL (SPECIAL)	FOOT	31	31		
X6015000	REMOVE CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2	2		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	14,087	1,906	12,181	
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	2,458	2,458		
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	24,150		24,150	
Z0076600	TRAINEES	HOUR	500	500		
Z0034105	MATERIAL TRANSFER DEVICE	TON	8,016	326	7,690	
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500		

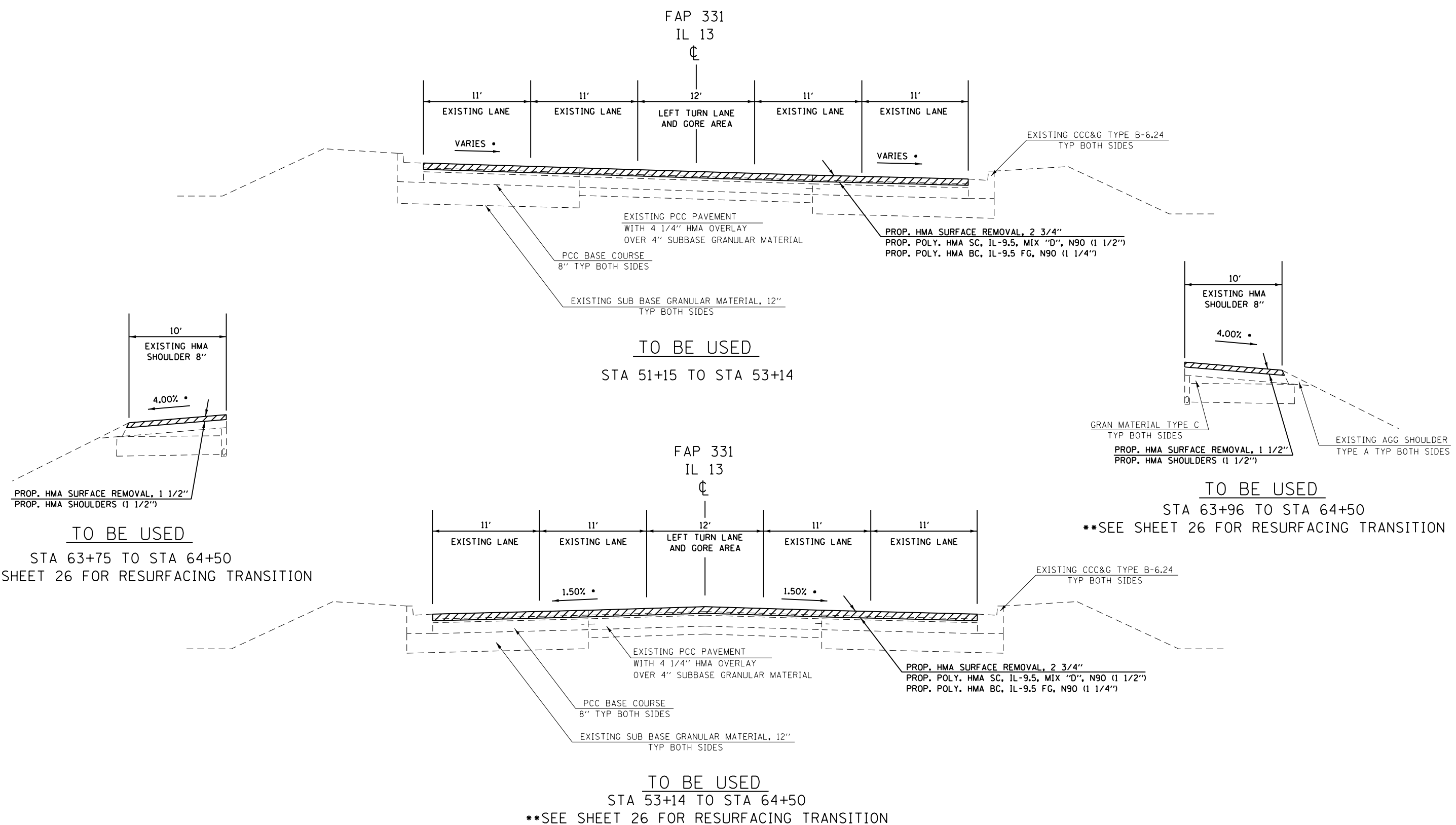
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -				331	(6-1)N-2,RS-3	WILLIAMSON	150	13
PLOT DATE = 12/10/2019	CHECKED -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 78715	
	DATE -	REVISED -								

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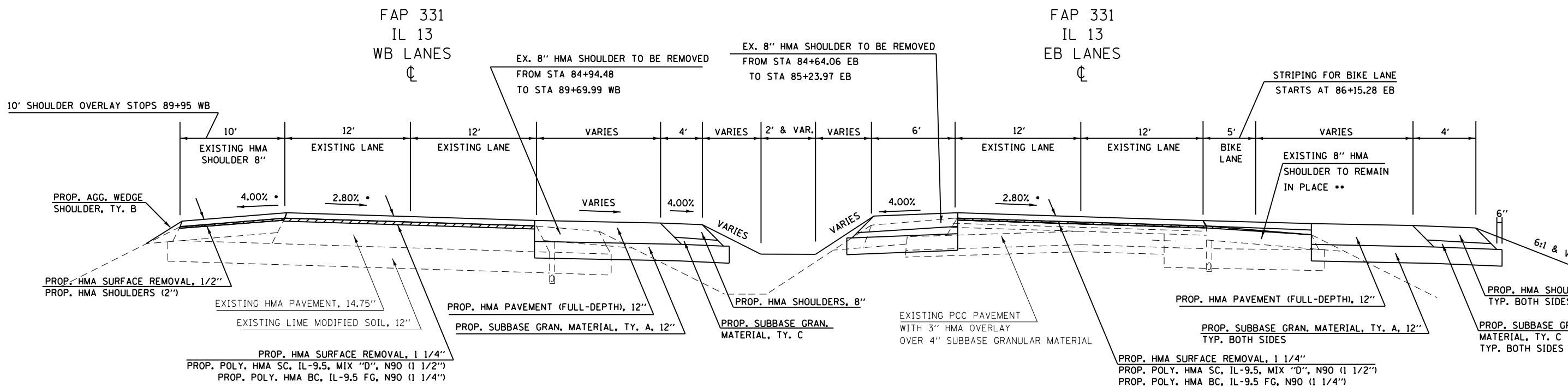
• - MATCH EXISTING SLOPE; THEORETICAL SLOPE GIVEN

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PLOT DATE = 12/12/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

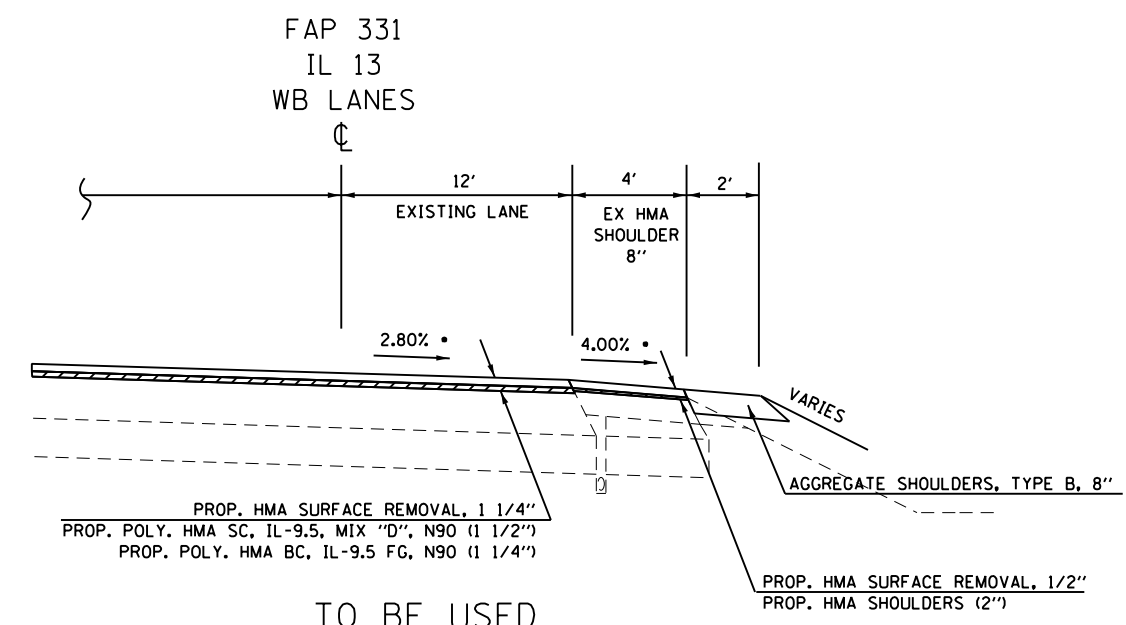
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		331	(6-1)N-2,RS-3	WILLIAMSON	150	14
SCALE: N.T.S.		SHEET	OF	SHEETS	STA.	TO STA.

CONTRACT NO. 78715		ILLINOIS	FED. AID PROJECT
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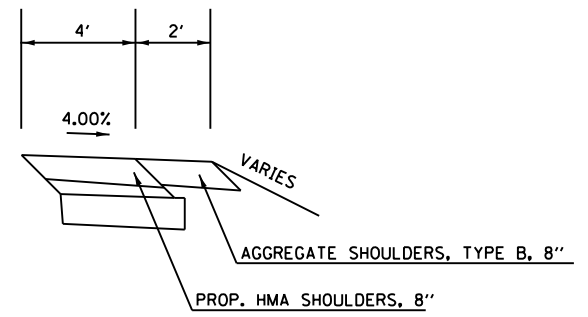


TO BE USED
 STA 84+64.06 TO STA 91+06.07 EB
 STA 84+75.31 TO STA 91+24.67 WB

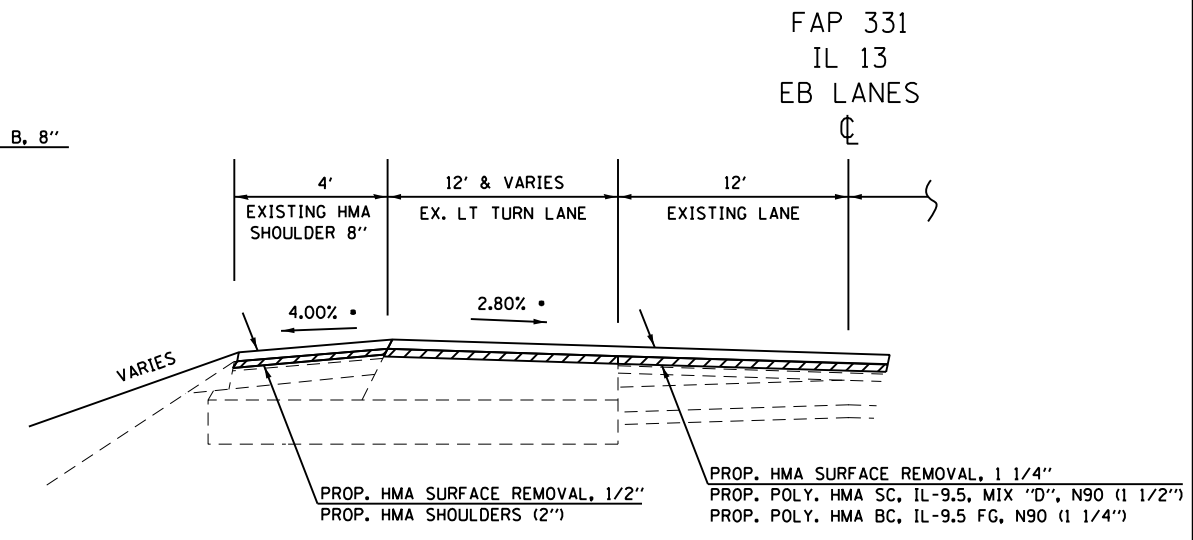
** - SEE SHEET 25 FOR PAVING DETAIL ON EX. SHOULDER TO REMAIN IN PLACE FOR EB RIGHT TURN LANE



TO BE USED
 STA 89+70 TO STA 90+67 WB



TO BE USED
 STA 89+23 TO STA 89+70 WB
 STA 90+67 TO STA 91+28 WB



TO BE USED
 STA 85+24 TO STA 90+57 EB

• - MATCH EXISTING SLOPE; THEORETICAL SLOPE GIVEN

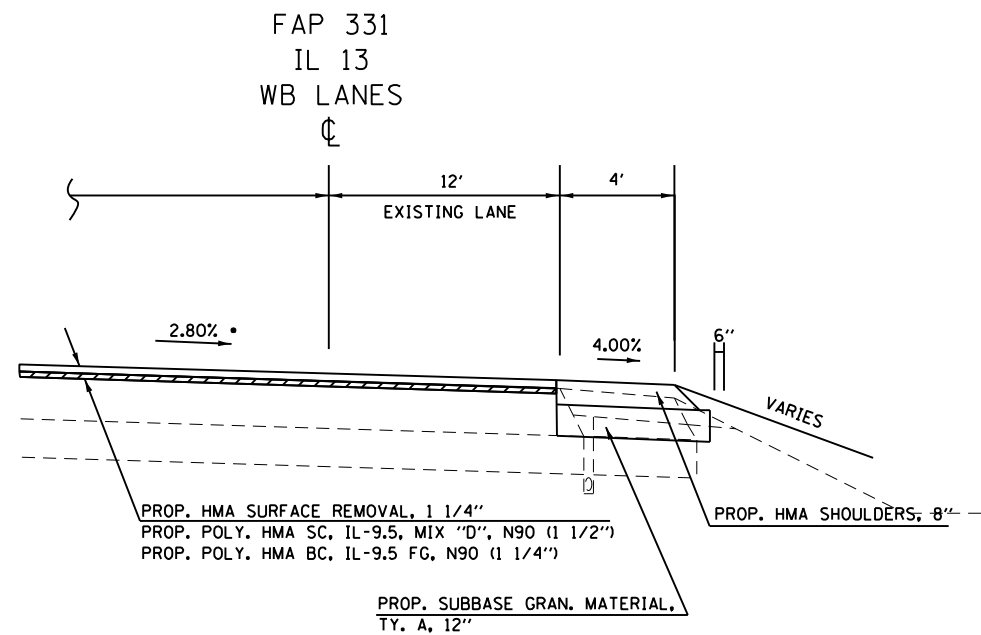
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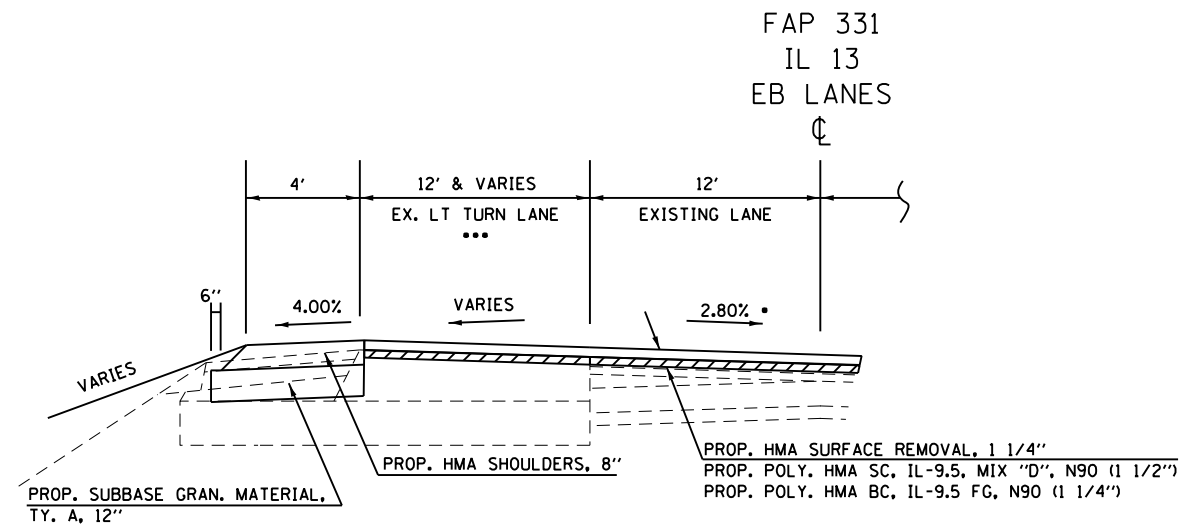
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS ILLINOIS ROUTE 13	
SCALE: N.T.S.	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 331	SECTION (6-1)N-2,RS-3	COUNTY WILLIAMSON	TOTAL SHEETS 150	SHEET NO. 16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78715	

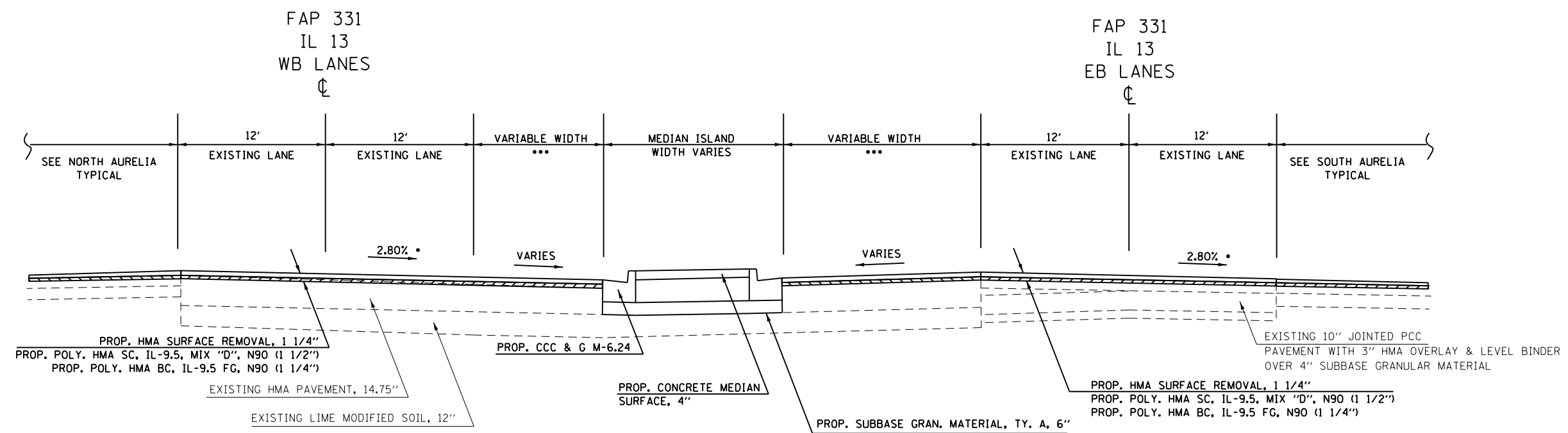


TO BE USED
STA 90+67 TO STA 91+33 WB



TO BE USED
STA 90+57 TO STA 91+14 EB

*** - HMA SURFACE REMOVAL, VAR. DEPTH: STA 90+57 TO 91+06.07 EB



TO BE USED
STA 91+06.07 TO STA 91+75.25 EB
STA 91+24.67 TO STA 91+94.61 WB

*** - HMA SURFACE REMOVAL, VAR. DEPTH: STA 91+06.07 TO STA 91+47 EB
HMA SURFACE REMOVAL, VAR. DEPTH: STA 91+62 TO STA 91+94.61 WB

• - MATCH EXISTING SLOPE; THEORETICAL SLOPE GIVEN

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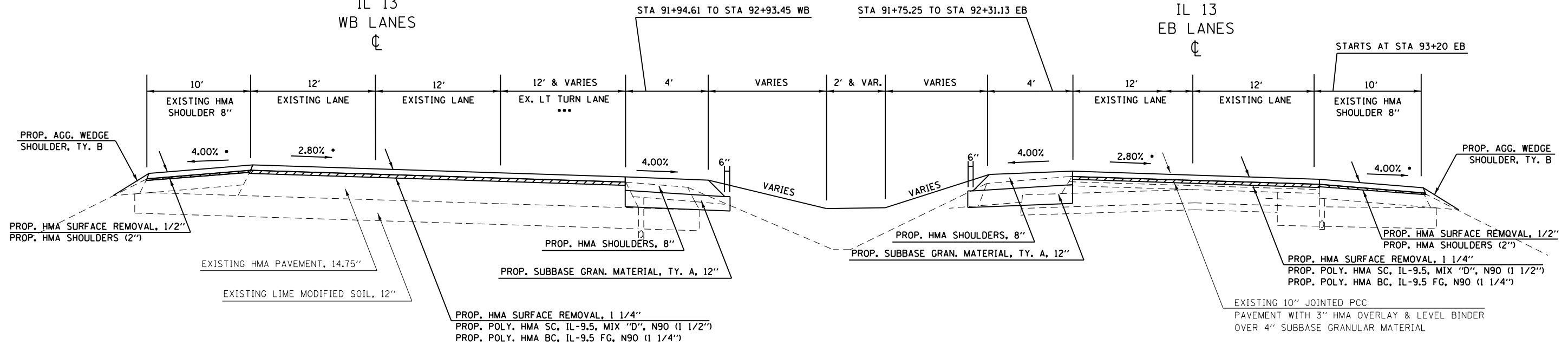
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS ILLINOIS ROUTE 13	
SCALE: N.T.S.	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	17
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

FAP 331
IL 13
WB LANES
⊕

FAP 331
IL 13
EB LANES
⊕

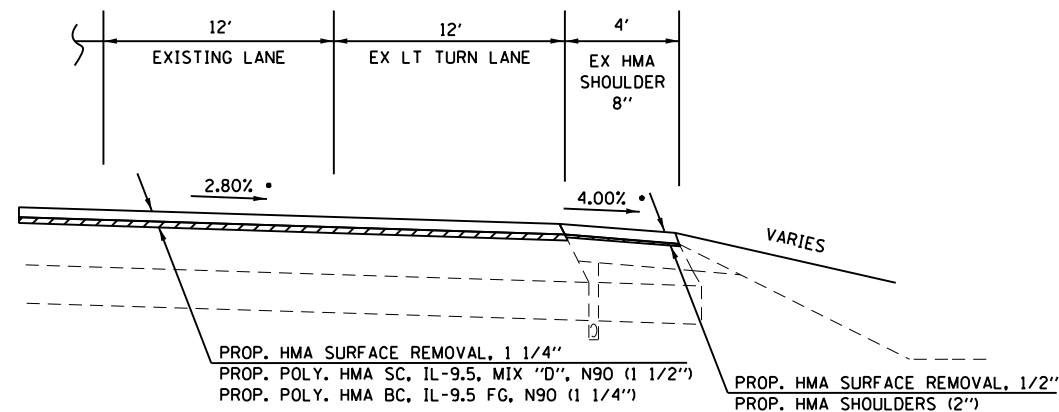


TO BE USED
STA 91+75.25 TO STA 94+70.84 EB
STA 91+94.61 TO STA 94+93.51 WB

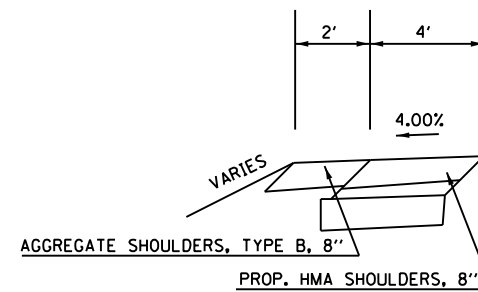
*** - HMA SURFACE REMOVAL, VAR. DEPTH STA 91+94.61 TO STA 92+42 WB

FAP 331
IL 13
WB LANES
⊕

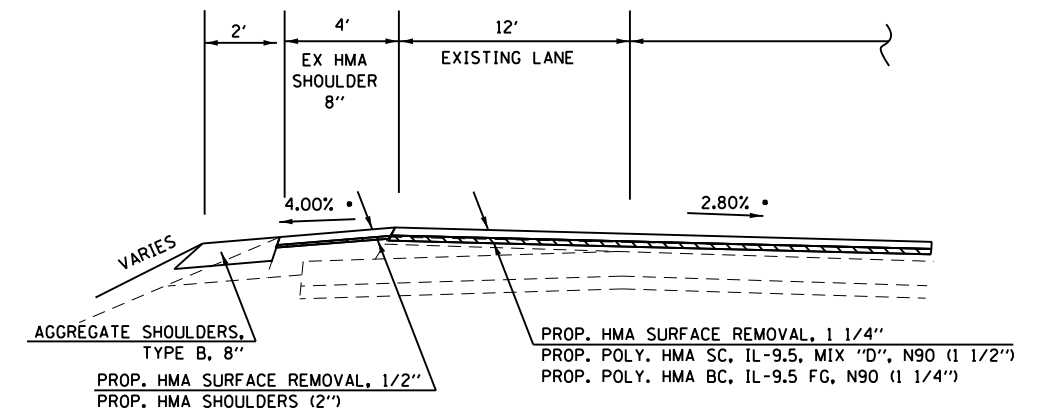
FAP 331
IL 13
EB LANES
⊕



TO BE USED
STA 92+93 TO 94+94 WB



TO BE USED
STA 91+79 TO STA 92+31 EB
STA 94+71 TO STA 95+18 EB



TO BE USED
STA 92+31 TO 94+71 EB

• - MATCH EXISTING SLOPE; THEORETICAL SLOPE GIVEN

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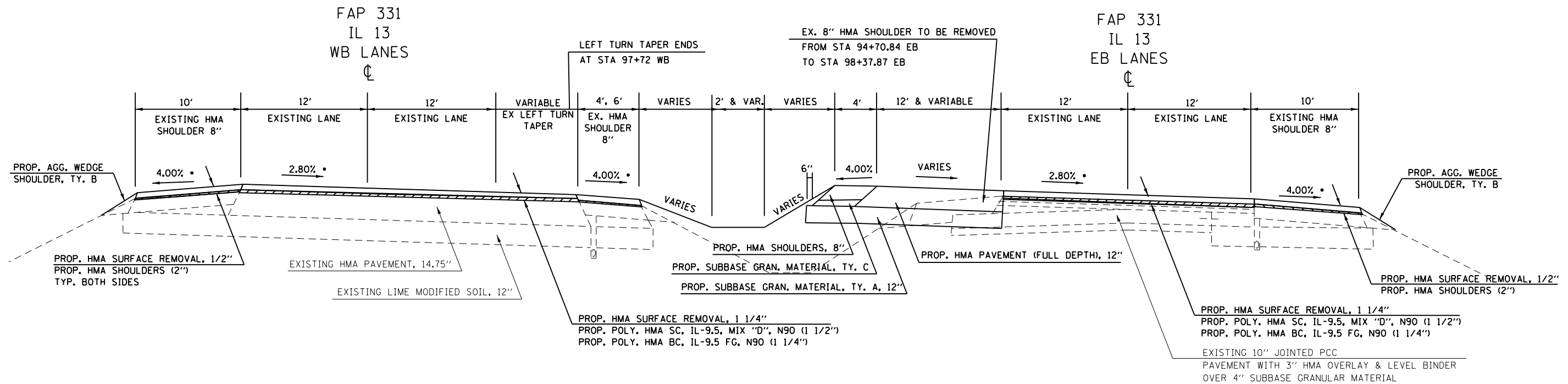
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

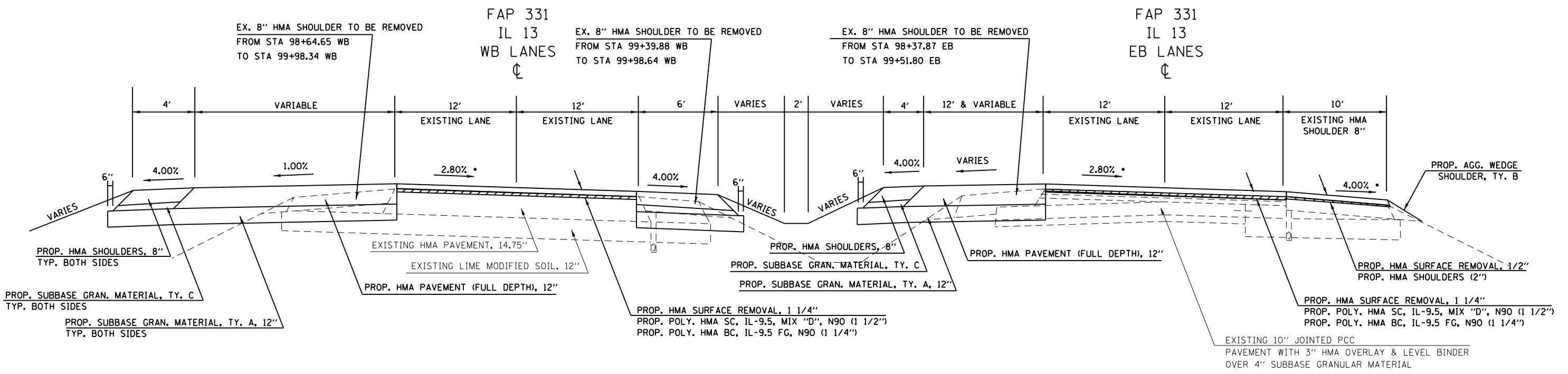
TYPICAL SECTIONS
ILLINOIS ROUTE 13

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	18
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				



TO BE USED
 STA 94+70.84 TO STA 98+37.87 EB
 STA 94+93.51 TO STA 98+64.65 WB



TO BE USED
 STA 98+37.87 TO STA 99+70.39 EB
 STA 98+64.65 TO STA 99+98.64 WB

• - MATCH EXISTING SLOPE; THEORETICAL SLOPE GIVEN

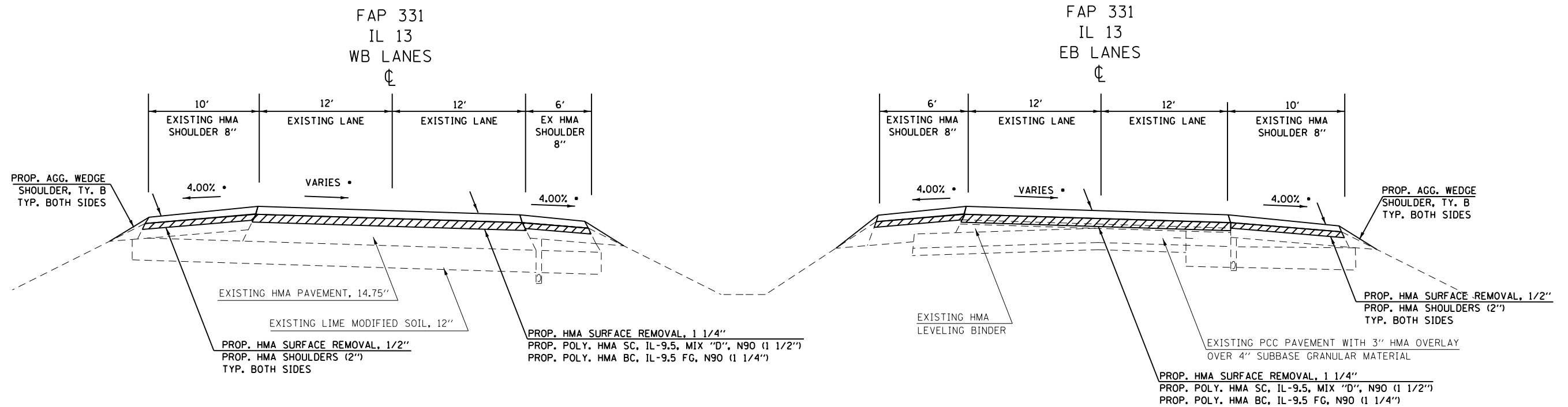
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

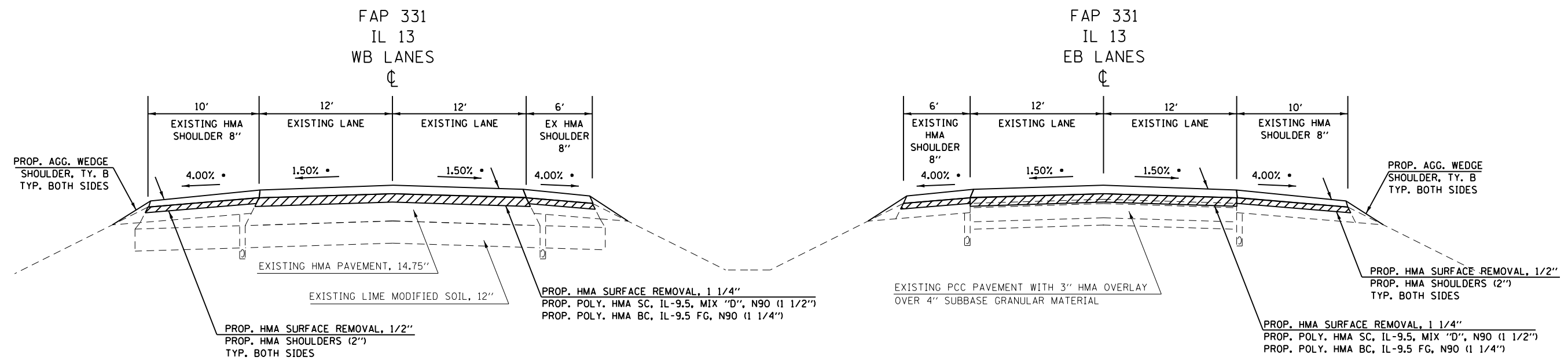
TYPICAL SECTIONS ILLINOIS ROUTE 13	
SCALE: N.T.S.	SHEET OF SHEETS
STA. TO STA.	

F.A.P. RTE. 331	SECTION (6-1)N-2,RS-3	COUNTY WILLIAMSON	TOTAL SHEETS 150	SHEET NO. 19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78715	



TO BE USED
 STA 99+70.39 TO 102+35.67 EB
 STA 99+98.64 TO 102+66.89 WB

STATION EQUATION	
STA 102+35.67 (BK) =	STA 102+75.67 (AH) EB
STA 102+66.89 (BK) =	STA 102+75.67 (AH) WB



TO BE USED
 STA 102+75.67 TO STA 108+86

**SEE SHEETS 26 AND 27 FOR RESURFACING TRANSITIONS

• - MATCH EXISTING SLOPE; THEORETICAL SLOPE GIVEN

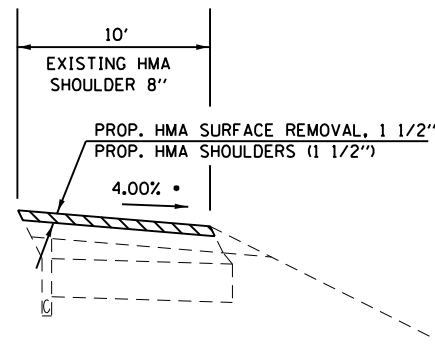
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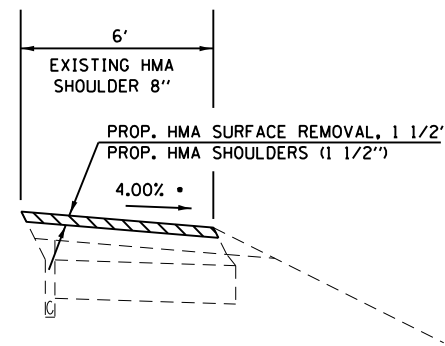
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS ILLINOIS ROUTE 13			
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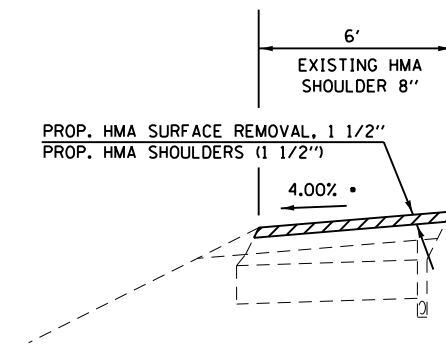
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CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				



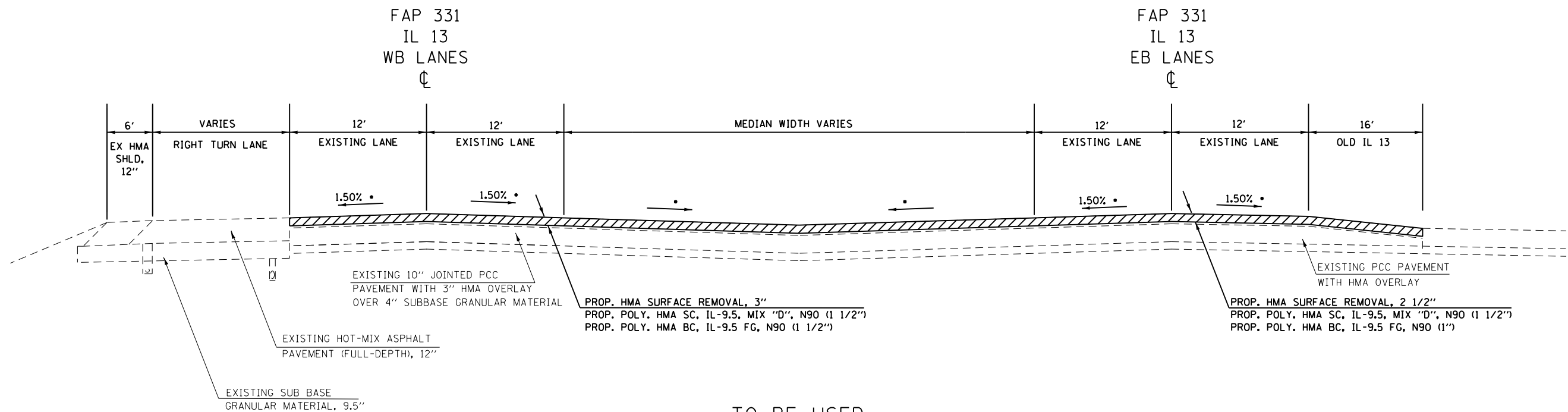
TO BE USED
STA 111+54 TO STA 120+38 EB RT



TO BE USED
STA 115+58 TO STA 119+95 WB RT
STA 120+64 TO STA 126+15 WB RT



TO BE USED
STA 109+64 TO STA 113+84 EB LT
STA 120+44 TO STA 121+34 EB LT



• - MATCH EXISTING SLOPE; THEORETICAL SLOPE GIVEN

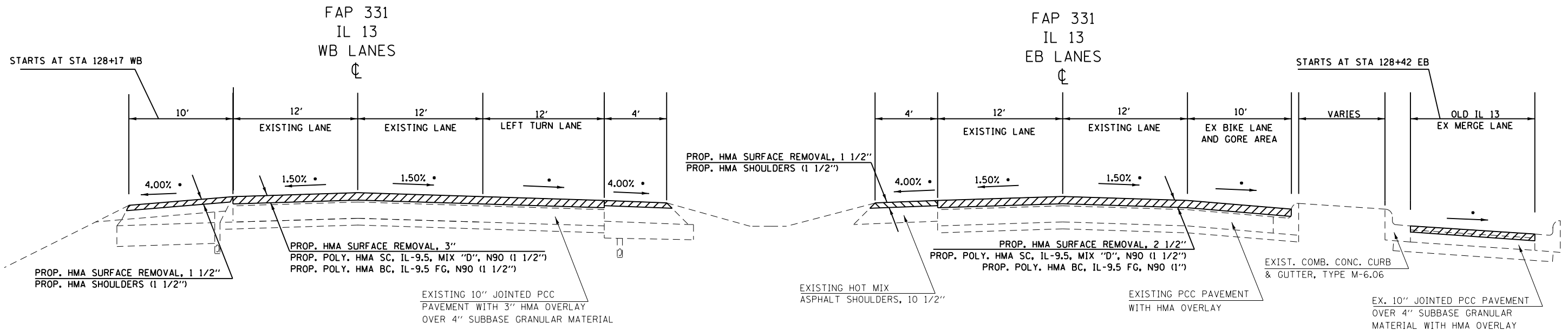
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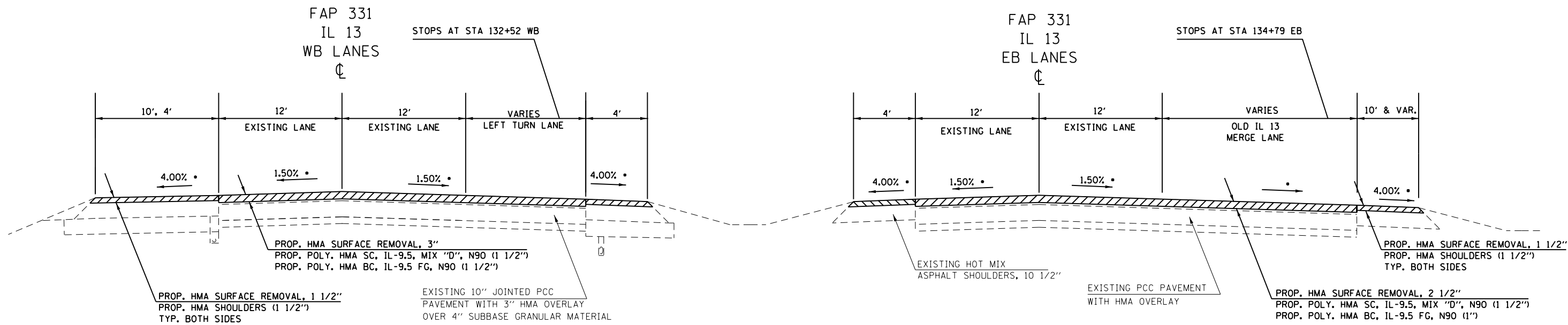
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS ILLINOIS 13	
SCALE: N.T.S.	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 331	SECTION (6-1)N-2,RS-3	COUNTY WILLIAMSON	TOTAL SHEETS 150	SHEET NO. 22
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				



TO BE USED
STA 127+63 TO STA 128+70



TO BE USED
STA 128+70 TO STA 135+62

• - MATCH EXISTING SLOPE; THEORETICAL SLOPE GIVEN

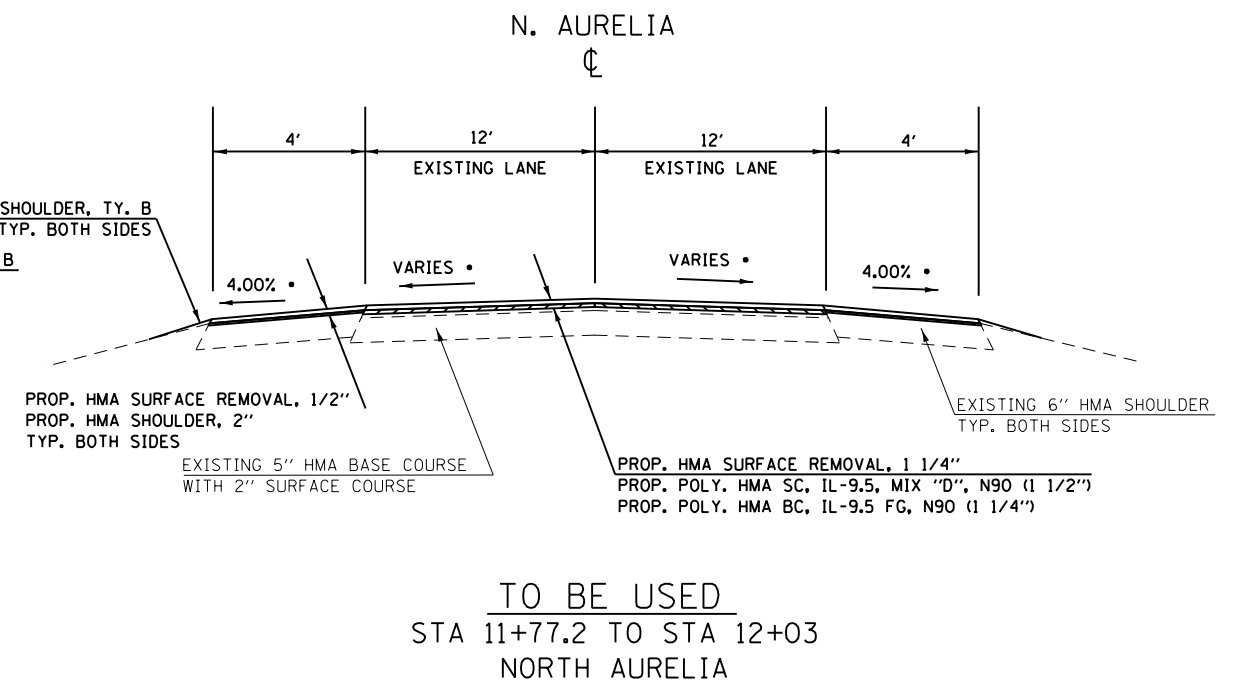
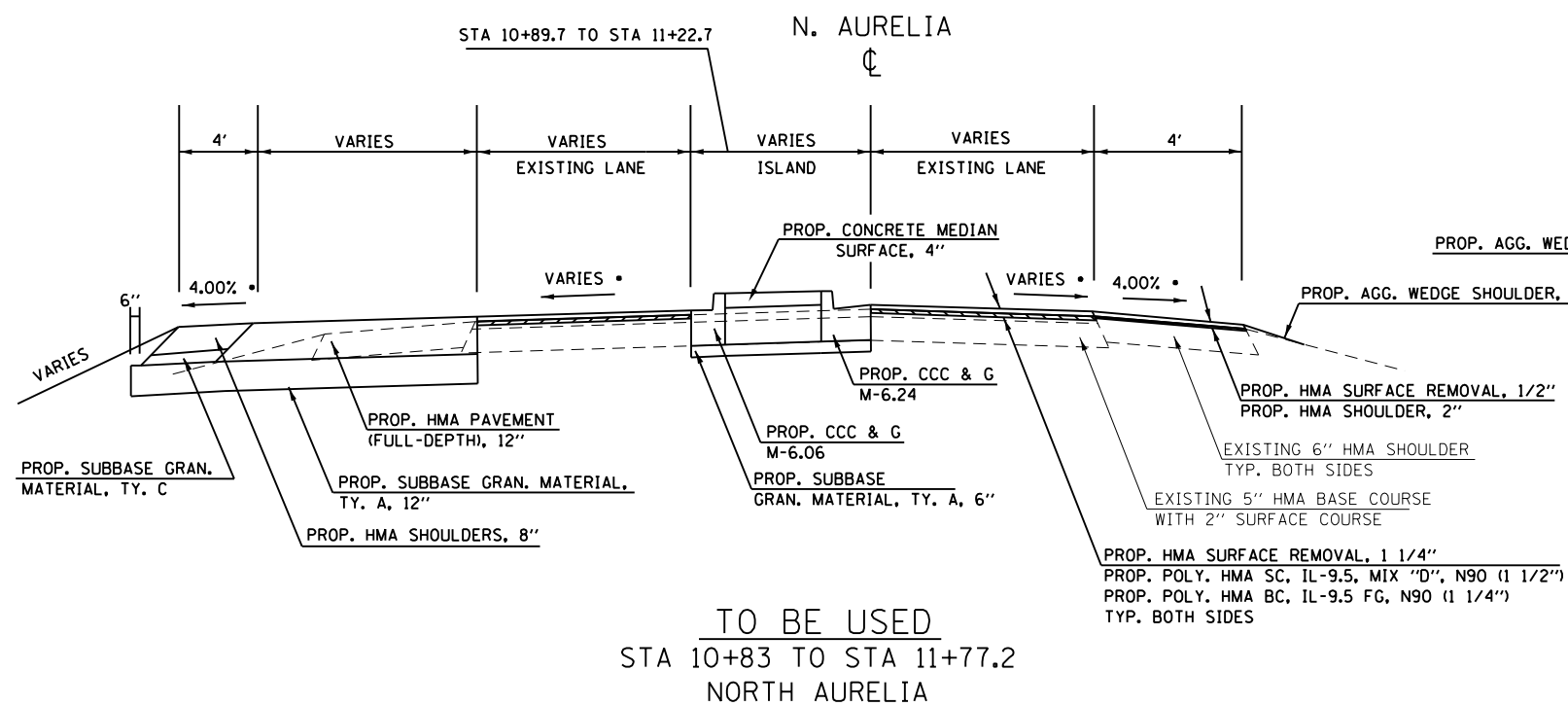
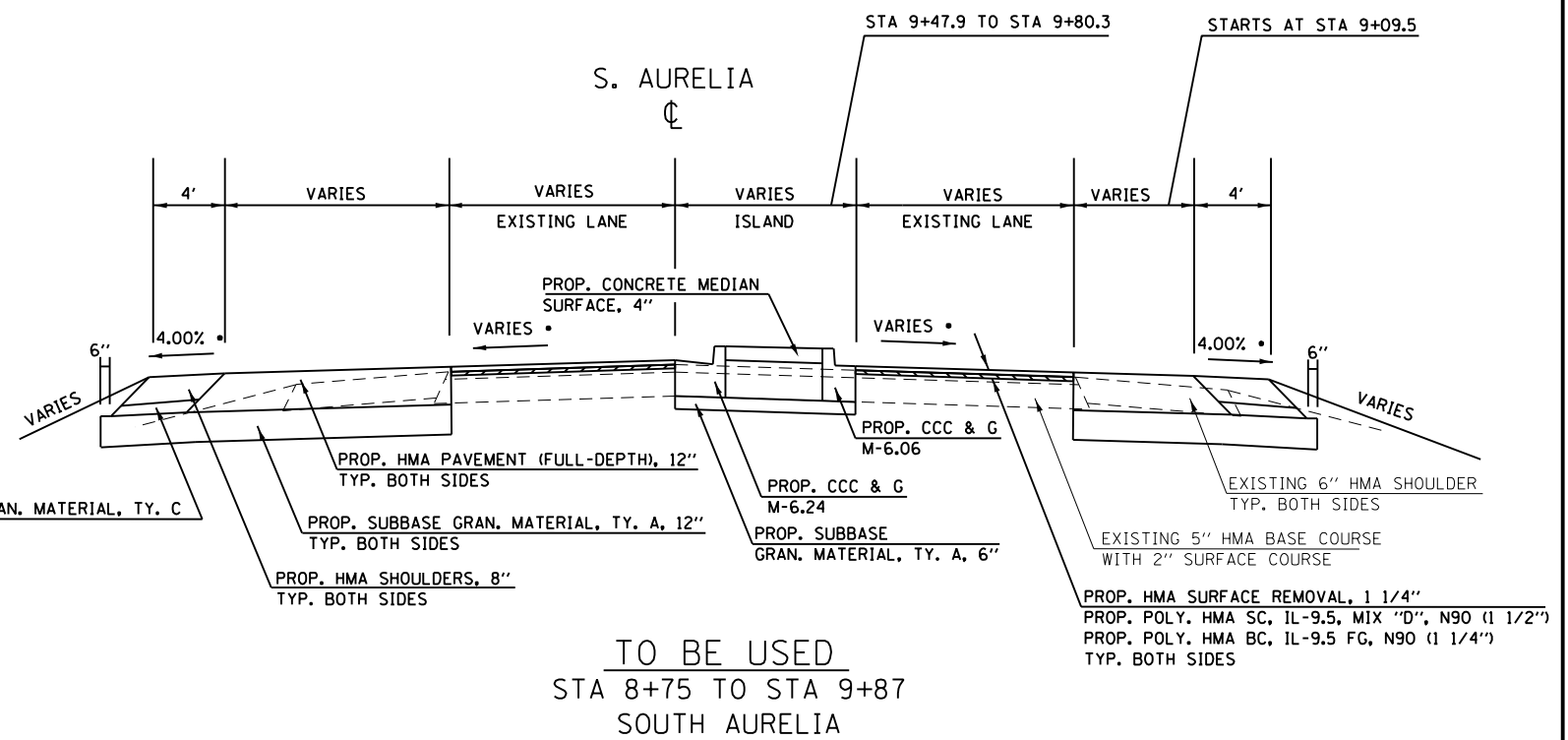
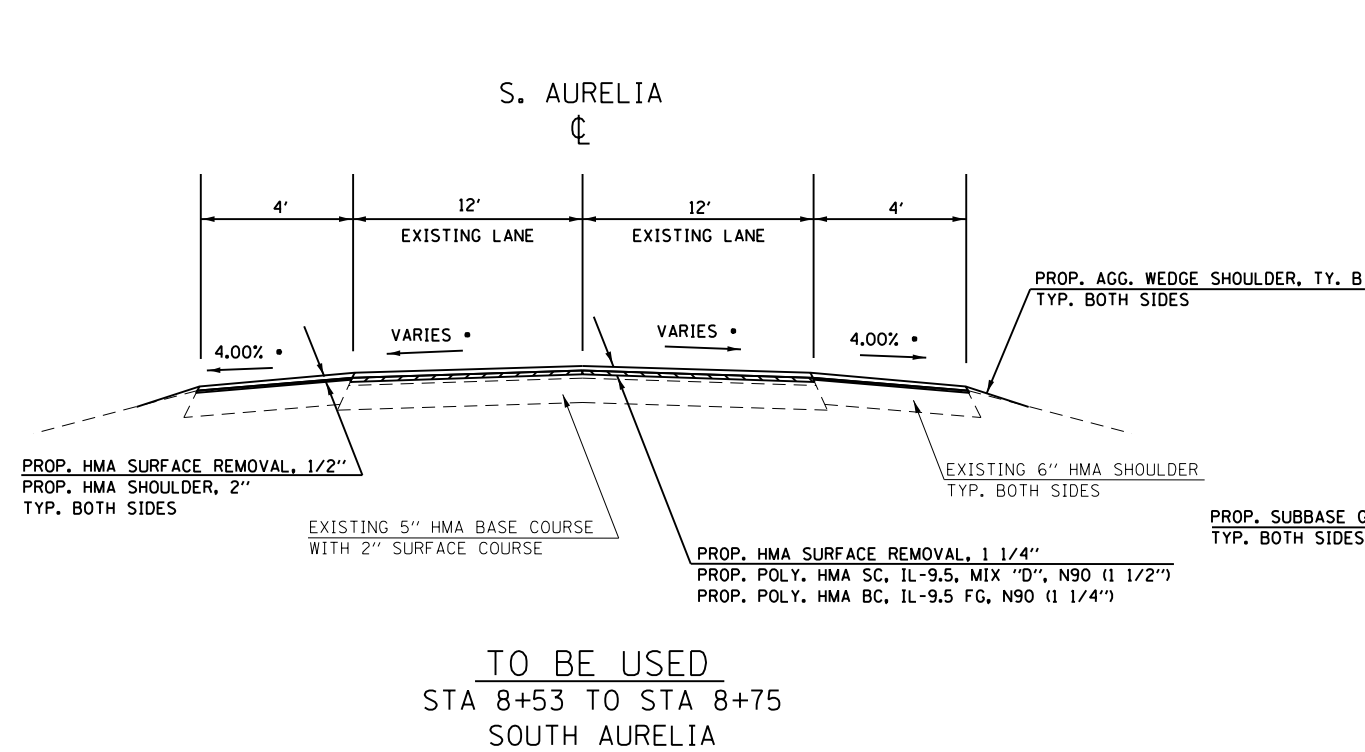
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S.		SHEET OF SHEETS		STA. TO STA.	
TYPICAL SECTIONS ILLINOIS 13					

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	23
CONTRACT NO. 78715				
ILLINOIS			FED. AID PROJECT	



• - MATCH EXISTING SLOPE; THEORETICAL SLOPE GIVEN

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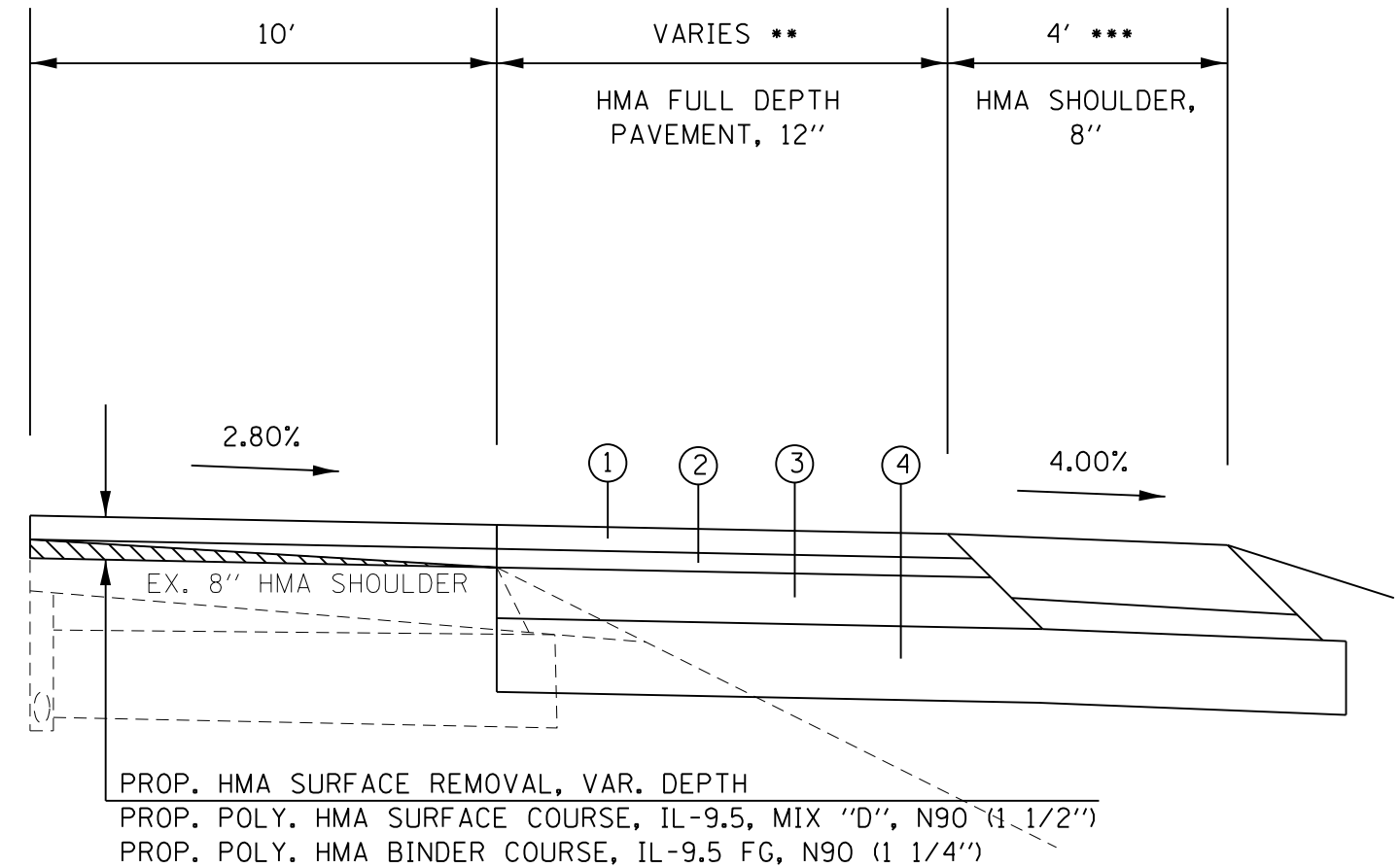
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS AURELIA DRIVE	
SCALE: N.T.S.	SHEET OF SHEETS STA. TO STA.

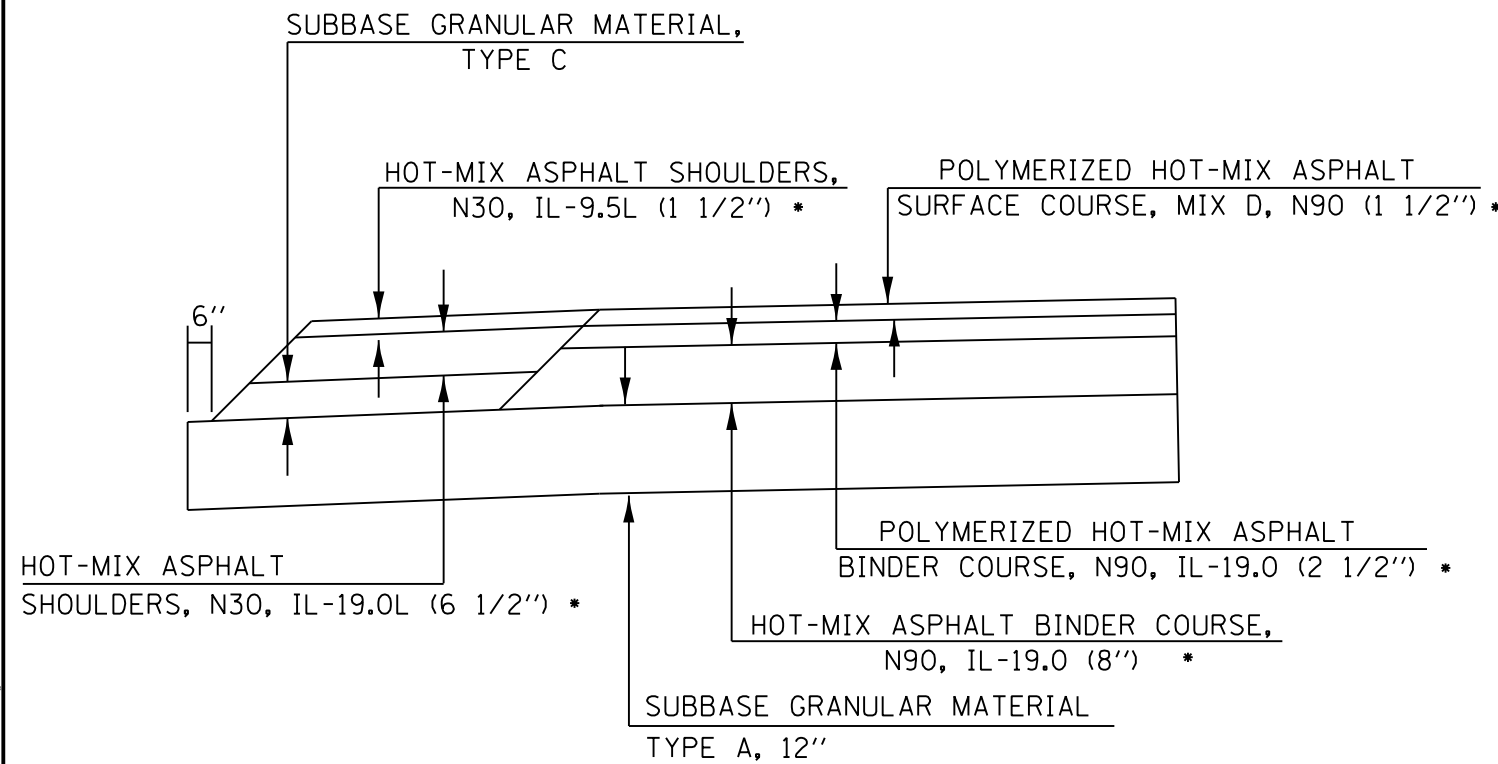
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331	(6-1)N-2,RS-3	WILLIAMSON	150	24
			CONTRACT NO. 78715	
		ILLINOIS	FED. AID PROJECT	

- ** - STA 84+78.9 TO STA 85+68.6: VARIABLE WIDTH (LOON)
 STA 85+68.6 TO 87+05.4: OMIT FULL DEPTH PAVEMENT, 12"
 STA 87+05.4 STA 88+21.1: 0' TO 6'
 STA 88+21.1 TO 91+06.1: 6'
 STA 91+06.1 TO 91+31: 6' TO 10'
- *** - STA 85+68.6 TO STA 86+34.8: OMIT HMA SHOULDER, 8"
 (SEE SHEET 56)



- ① — POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90 (1 1/2") *
- ② — POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, N90, IL-9.5 FG (1 1/4") *
- ③ — HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0 (9 1/4") *
- ④ — SUBBASE GRANULAR MATERIAL TYPE A, 12"

PAVING DETAIL - FULL DEPTH PAVEMENT
 STA 84+78.9 EB TO STA 91+31 EB
 EXISTING SHOULDER TO REMAIN IN PLACE
 FOR PROPOSED EASTBOUND RIGHT TURN LANE



PAVING DETAIL - FULL DEPTH PAVEMENT
 FOR EASTBOUND AND WESTBOUND
 LEFT TURN LANES AND
 SIDEROAD RADIUS WIDENINGS

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

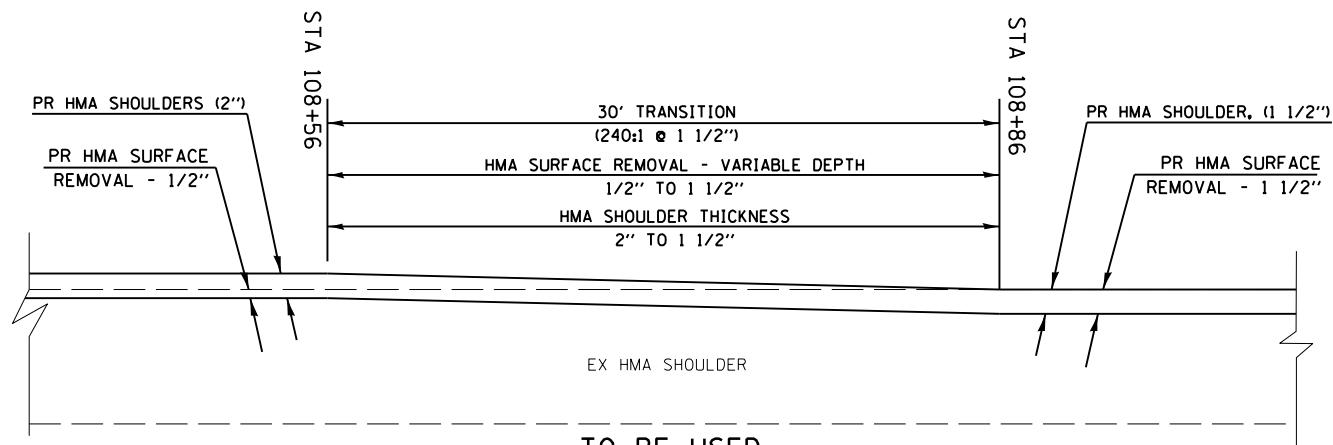
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	DATE -	REVISED -

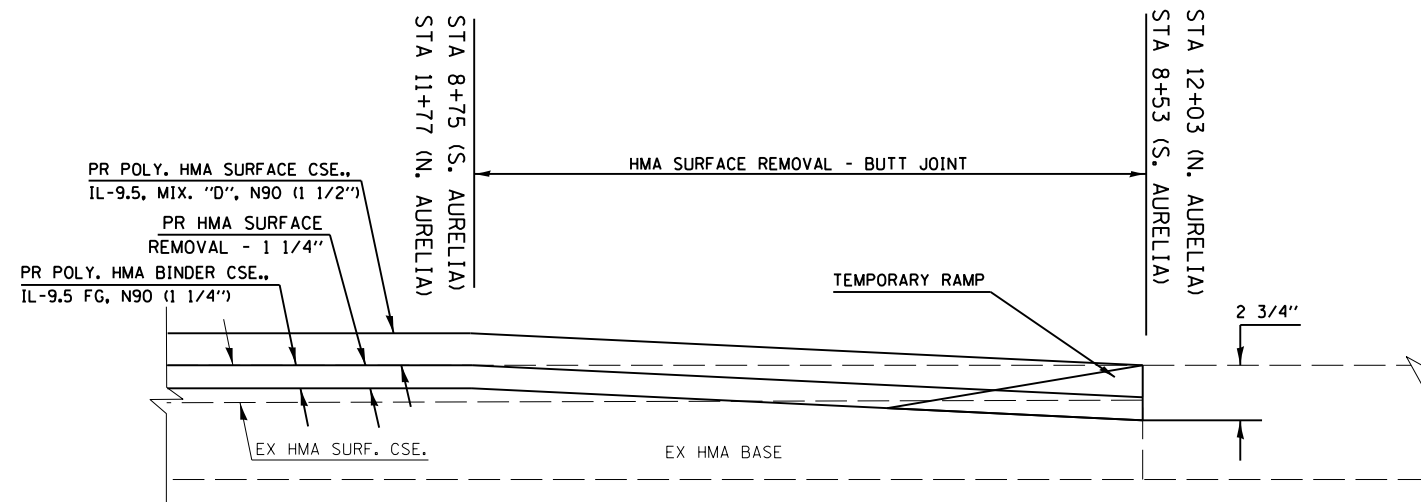
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVING DETAILS	
SCALE: N.T.S.	SHEET OF SHEETS STA. TO STA.

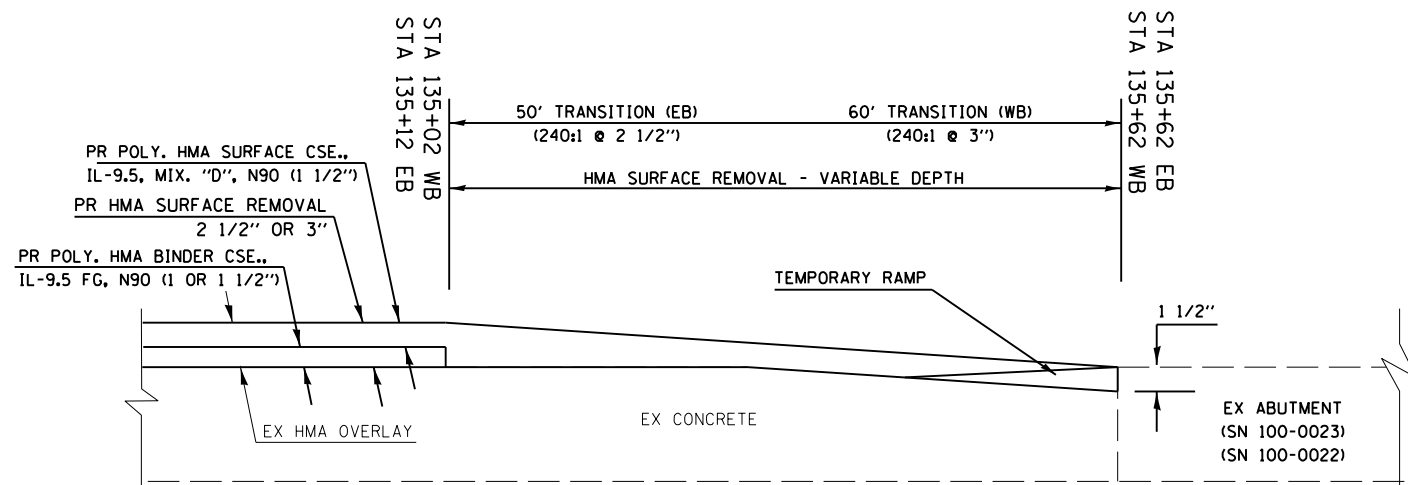
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	25
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				



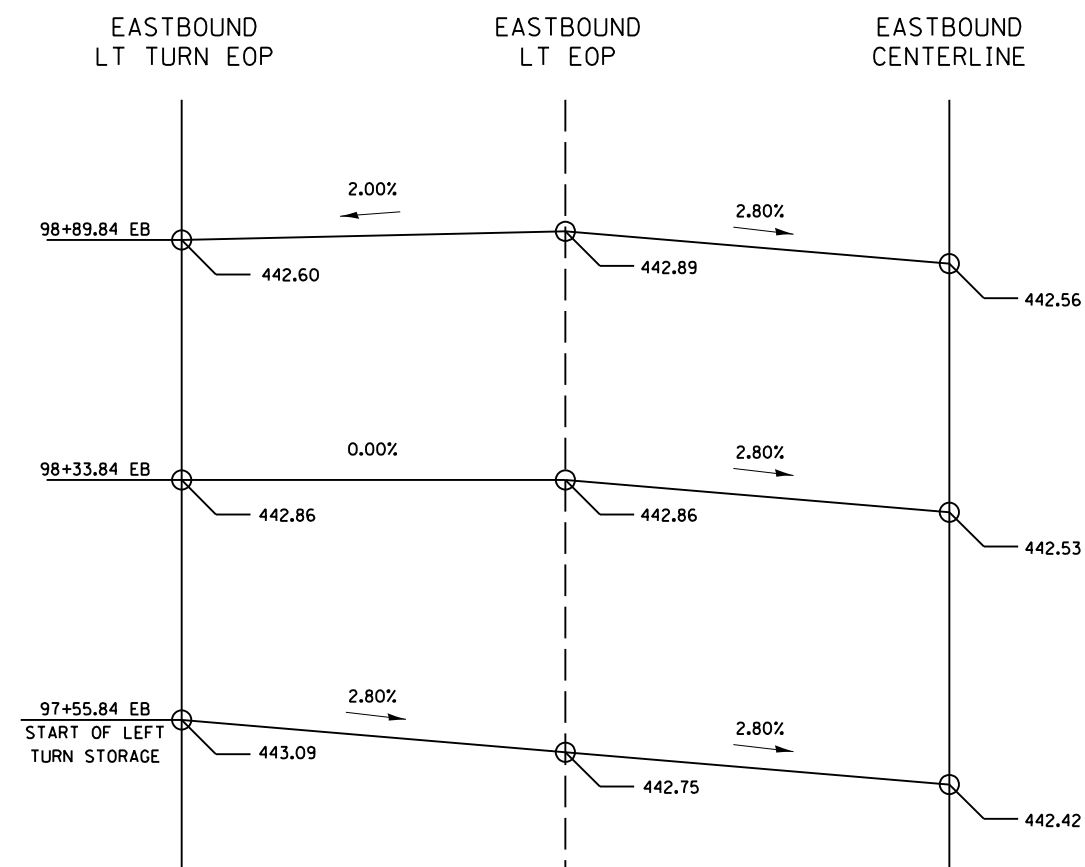
TO BE USED:
 STA 108+56 TO STA 108+86
 EB AND WB



TO BE USED:
 STA 8+53 TO STA 8+75 (SOUTH AURELIA)
 STA 11+78 TO 12+03 (NORTH AURELIA)



TO BE USED:
 STA 135+02 TO STA 135+62 WB
 STA 135+12 TO STA 135+62 EB



**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RESURFACING TRANSITIONS AND SUPERELEVATION TRANSITION
 FOR PROP. EASTBOUND LEFT TURN LANE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,R5-3	WILLIAMSON	150	27
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

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RCUT PAVEMENT SCHEDULE

LOCATION STATION TO STATION				LENGTH	PAVEMENT WIDTH	HMA PAVEMENT (FULL DEPTH). 12"	SUBBASE GRAN. MATL. TY. A 12"	BITUMINOUS MATERIALS (TACK COAT)	REMARKS
				FOR INFORMATIONAL PURPOSE ONLY					
				FT	FT	SO YD	SO YD	LBS	
IL 13 WESTBOUND									
RT	84+88.21	TO	85+69.75	81.5	VAR.	188.3	188.3	127.1	TURN AROUND AREA
RT	85+69.75	TO	86+84.99	115.2	12.0	153.6	153.6	103.7	
RT	86+84.99	TO	89+70.00	285.0	VAR.	190.0	190.0	128.3	LT TN TAPER
LT	98+64.65	TO	99+83.84	119.2	VAR.	246.2	246.2	166.2	LOON
IL 13 EASTBOUND									
RT	84+83.79	TO	85+68.58	84.8	VAR.	136.7	136.7	92.3	LOON
RT	87+05.35	TO	88+21.07	115.7	VAR.	38.6	38.6	26.1	RT TN TAPER
RT	88+21.07	TO	91+06.07	285.0	6.0	190.0	190.0	128.3	
LT	94+70.84	TO	97+55.84	285.0	VAR.	190.0	190.0	128.3	LT TN TAPER
LT	97+55.84	TO	98+70.84	115.0	12.0	153.3	153.3	103.5	
LT	98+70.84	TO	99+57.66	86.8	VAR.	195.3	195.3	131.8	TURN AROUND AREA
SOUTH AURELIA									
LT	8+75.04	TO	10+10.60	135.6	VAR.	58.4	58.4	39.4	ALONG NEW LT RADIUS
RT	9+09.50	TO	9+57.69	48.2	VAR.	96.0	96.0	64.8	ALONG NEW RT RADIUS
NORTH AURELIA									
LT	11+13.37	TO	11+49.66	36.3	VAR.	82.6	82.6	55.8	ALONG NEW LT RADIUS
RCUT PAVEMENT TOTALS						1,919	1,919	1,296	

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 PROJECT: ...
 OFFICE: ...
 DATE: 12/10/2019

USER NAME = whitee DRAWN - CHECKED - DATE -	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RCUT SCHEDULES	SCALE:	SHEET OF SHEETS STA. TO STA.	F.A.P. RTE. 331 SECTION (6-1)N-2,RS-3 COUNTY WILLIAMSON TOTAL SHEETS 150 SHEET NO. 28 CONTRACT NO. 78715 ILLINOIS FED. AID PROJECT
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RCUT SHOULDER SCHEDULE

LOCATION STATION TO STATION				LENGTH	SHOULDER WIDTH	HMA SHOULDERS 8"	SUBBASE GRAN. MATL., TY. A 12"	SUBBASE GRAN. MATL., TY. C	AGGREGATE SHOULDERS, TY. B, 8"	BITUMINOUS MATERIALS (TACK COAT)	REMARKS
				FOR INFORMATIONAL PURPOSE ONLY		SO YD	SO YD	TON	SO YD	LBS	
				FT	FT						
IL 13 WESTBOUND											
RT	84+85.40	TO	85+04.53	35.5	4	15.8	21.7	2.7		7.1	ALONG TURNAROUND - OUTSIDE
RT	84+94.50	TO	85+11.79	17.3	6	11.5	14.4	1.7		5.2	
RT	85+11.79	TO	85+29.12	17.3	VAR.	5.8	-	1.1		2.6	
RT	85+21.19	TO	85+69.75	52.8	4	23.5	32.3	4.0		10.6	ALONG TURNAROUND - INSIDE
RT	85+69.75	TO	89+70.00	400.3	4	177.9	244.6	30.4		80.1	
RT	89+23.00	TO	91+29.00	206.0	2	-	-	-	45.8	-	
LT	89+95.31	TO	90+52.96	57.6	VAR.	44.8	54.4	5.8		20.2	
LT	98+64.65	TO	98+85.29	20.6	VAR.	16.0	19.5	2.1		7.2	
LT	98+85.29	TO	99+82.97	114.5	4	50.9	70.0	8.7		22.9	ALONG LOON EOP
LT	99+82.97	TO	99+98.59	15.6	10	17.3	19.9	2.0		7.8	
RT	99+39.88	TO	99+55.66	15.8	6	10.5	13.2	1.5		4.7	
RT	99+85.77	TO	99+98.64	12.9	6	8.6	10.8	1.2		3.9	
IL 13 EASTBOUND											
LT	84+63.89	TO	84+74.64	10.8	6	7.2	9.0	1.0		3.2	
LT	85+07.35	TO	85+23.97	16.6	6	11.1	13.8	1.6		5.0	
RT	84+79.17	TO	85+78.83	106.0	4	47.1	64.8	8.0		21.2	ALONG LOON
RT	86+34.82	TO	91+06.07	434.0	4	192.9	265.2	33.0		86.8	ALONG EB RT TURN LANE
LT	91+79.00	TO	95+18.00	339.0	2	-	-	-	75.3	-	
RT	92+58.45	TO	93+19.55	61.1	VAR.	47.5	57.7	6.2		21.4	
LT	94+70.84	TO	98+70.84	400.0	4	177.8	244.4	30.4		80.0	
LT	98+70.84	TO	99+21.08	60.0	4	26.7	36.7	4.6		12.0	ALONG TURNAROUND - INSIDE
LT	99+17.59	TO	99+34.65	17.1	VAR.	5.7	-	1.1		2.6	
LT	99+34.65	TO	99+51.80	17.1	6	11.4	14.3	1.6		5.1	
LT	99+41.83	TO	99+60.47	35.0	4	15.6	21.4	2.7		7.0	ALONG TURNAROUND - OUTSIDE
SOUTH AURELIA											
LT	8+75.04	TO	9+91.76	135	4	60.0	82.5	10.3		27.0	ALONG NEW LT RADIUS
RT	9+09.50	TO	9+38.51	82	4	36.4	50.1	6.2		16.4	ALONG NEW RT RADIUS
NORTH AURELIA											
LT	11+28.28	TO	11+77.23	102	4	45.3	62.3	7.7		20.4	ALONG NEW LT RADIUS
INTERSECTION											
EAST	-		-	159.0	4	70.7	97.2	-		31.8	ALONG NEW EAST MEDIAN NOSE
WEST	-		-	127.0	4	56.4	77.6	-		25.4	ALONG NEW WEST MEDIAN NOSE
RCUT SHOULDER TOTALS						1,195	1,598	176	122	538	

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PLOT DATE = 12/12/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RCUT SCHEDULES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	29
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

REMOVAL SCHEDULE

LOCATION STATION TO STATION				LENGTH	WIDTH	PAVED SHOULDER REMOVAL	PAVEMENT REMOVAL	REMARKS
				FOR INFORMATIONAL PURPOSE ONLY				
				FT	FT	SO YD	SO YD	
IL 13 WESTBOUND								
RT	84+94.50	TO	85+67.10	72.6	6.0	48.4		
RT	85+67.10	TO	89+70.00	402.9	4.0	179.1		
LT	89+95.31	TO	90+66.90	71.6	10.0	79.6		
LT	98+64.64	TO	99+98.33	133.7	10.0	148.6		
RT	99+39.87	TO	99+98.64	58.8	6.0	39.2		
IL 13 EASTBOUND								
LT	84+63.89	TO	85+23.97	60.1	6.0	40.1		
RT	92+34.96	TO	93+19.55	84.6	10.0	94.0		
LT	94+70.84	TO	99+51.80	481.0	6.0	320.7		
SOUTH AURELIA								
LT	8+75.00	TO	9+94.40	119.0	4	52.9		ALONG LT RADIUS
RT	9+09.50	TO	9+51.40	63.0	4	28.0		ALONG RT RADIUS
RT	9+47.91	TO	9+80.28	32.4	VAR		42.0	FOR ISLAND
NORTH AURELIA								
LT	10+89.00	TO	11+22.68	33.7	VAR		44.4	FOR ISLAND
LT	11+16.21	TO	11+77.23	83.0	4	36.9		ALONG LT RADIUS
INTERSECTION								
EAST	-		-	109.0	4	48.4	65.2	ALONG EX EAST MEDIAN NOSE
WEST	-		-	83.0	4	36.9	59.9	ALONG EX WEST MEDIAN NOSE
	-		-	VAR	VAR		60.8	FOR ISLAND
TOTALS						1,153	273	

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USER NAME = whitee DRAWN - CHECKED - DATE -	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RCUT SCHEDULES	F.A.P. RTE. 331	SECTION (6-1)N-2,RS-3	COUNTY WILLIAMSON	TOTAL SHEETS 150	SHEET NO. 30
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
				ILLINOIS		FED. AID PROJECT			
				CONTRACT NO. 78715					

EARTHWORK SCHEDULE

LOCATION STATION TO STATION •	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE ••	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	REMARKS
	CU YD	CU YD	CU YD	CU YD	
EASTBOUND RIGHT TURN LANE					SEE EB X-SECTIONS FOR CUTS AND FILLS
STA 84+50 TO STA 91+00 EB	237	178	518	-340	(SHEETS 84 THROUGH 93)
WEST MEDIAN					SEE WB X-SECTIONS FOR CUTS AND FILLS
STA 84+75 TO STA 91+25 WB	334	251	97	154	(SHEETS 107 THROUGH 116)
EAST MEDIAN					SEE EB X-SECTIONS FOR CUTS AND FILLS
STA 91+75 TO STA 101+00 EB	271	203	358	-155	(SHEETS 94 THROUGH 106)
WESTBOUND LOON					SEE WB X-SECTIONS FOR CUTS AND FILLS
STA 98+50 TO STA 100+00 WB	127	95	67	28	(SHEETS 126 THROUGH 128)
SOUTH AURELIA - SW RADIUS					SEE SOUTH AURELIA / SW QUAD X-SECTIONS
STA 10+00 TO STA 11+30	65	49	3	46	FOR CUTS AND FILLS (SHEETS 135 THROUGH 139)
SOUTH AURELIA - SE RADIUS					SEE SOUTH AURELIA / SE QUAD X-SECTIONS
STA 20+00 TO STA 21+40	83	62	6	56	FOR CUTS AND FILLS (SHEETS 140 THROUGH 144)
NORTH AURELIA - NW RADIUS					SEE NORTH AURELIA / NW QUAD X-SECTIONS
STA 30+00 TO STA 31+60	110	83	14	69	FOR CUTS AND FILLS (SHEETS 145 THROUGH 150)
TOTALS	1227			-142	

- CUT/FILL VALUES IN CROSS SECTIONS ONLY
REFLECT LOCATIONS GIVEN IN EARTHWORK SCHEDULE
- 25% SHRINKAGE FACTOR USED FOR
EARTH EXCAVATION

EROSION CONTROL

LOCATION				SEEDING, CLASS 1B	SEEDING, CLASS 7	TEMPORARY EROSION CONTROL SEEDING	MULCH, METHOD 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	EROSION CONTROL BLANKET	PERIMETER EROSION BARRIER	TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECTION	REMARKS	
				ACRE	ACRE	POUND	ACRE	POUND	POUND	POUND	TON	SQ YD	FOOT	FOOT	EACH		
IL 13																	
84+64 EB	TO	91+10 EB	MEDIAN	0.24	0.24	72	0.48	22	22	22	0.48	227		42		1	
84+64 EB	TO	91+06 EB	RT	0.37	0.37	111	0.74	33	33	33	0.74	42	538	14			
91+79 EB	TO	100+77 EB	MEDIAN	0.40	0.40	120	0.80	36	36	36	0.80	331		70		2	
98+64 WB	TO	100+00 WB	LT	0.12	0.12	36	0.24	11	11	11	0.24	58					
SOUTH AURELIA																	
8+75	TO	9+95	LT	0.02	0.02	6	0.04	2	2	2	0.04						
9+10	TO	9+21	RT	0.02	0.02	6	0.04	2	2	2	0.04						
NORTH AURELIA																	
11+41	TO	11+77	LT	0.08	0.08	24	0.16	7	7	7	0.16	23		28		1	
TOTALS				1.25	1.25	375	2.50	113	113	113	2.50	681	538	154	4		

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SIGNING SCHEDULE

LOCATION	SIGN NAME	STATE ROUTE SIGN	CARDINAL DIRECTION	DIRECTIONAL ARROW	U-TURN	"TO"	NO THRU	NO LEFT	"ALL TRAFFIC MUST TURN RIGHT"	ONE WAY	ONE WAY	ADVANCED DESTINATION GUIDE	WOOD SIGN SUPPORT	METAL POST - TYPE B	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY
		COMBINATION				COMBINATION				COMBINATION			FOOT	FOOT	POUND
	MUTCD #	M1-5	M3-1, 2, 3, 4	M6-2	M5-3	M4-5	R3-27	R3-2	R4-3	R6-11	R6-1r	SPECIALTY			
	SIZE	24" X 24"	24" X 12"	21" X 15"	21" X 15"	24" X 12"	24" X 24"	24" X 24"	30" X 30"	36" X 12"	36" X 12"	9' X 7'			
	SHAPE	SQUARE	RECT.	RECT.	RECT.	RECT.	SQUARE	SQUARE	SQUARE	RECT.	RECT.	RECT.			
	SIGN AREA (SF)	4.00	2.00	2.19	2.19	2.00	4.00	4.00	6.25	3.00	3.00	63.00			
IL 13															
84+64 EB RT										1				8	
86+59 EB MEDIAN		1	1		1								11.25		
89+53 EB MEDIAN		1	1		1								11.25		
90+28 EB MEDIAN											1	1			744
92+85 EB MEDIAN											1	1			744
94+70 EB MEDIAN		1	1		1								11.25		
97+75 EB MEDIAN		1	1		1								11.25		
99+98 WB LT										1				8	
SOUTH AURELIA															
9+10 LT									1				9.5		
9+10 RT							1	1					11		
9+69 RT		2	2	2		1							23.5		
NORTH AURELIA															
11+02 LT		2	2	2		1							23.5		
11+77 LT							1	1					11		
12+24 RT									1				9.5		
SIGN PANEL TYPE		1	1	1	1	1	1	1	1	1	1	3			
TOTAL SIGNS		8	8	4	4	2	2	2	2	2	2	2			
TOTAL AREA (SF)		32.00	16.00	8.76	8.76	4.00	8.00	8.00	12.50	6.00	6.00	126.00			
TOTAL													133	16	1488

* 1 "ONE WAY" WILL BE MOUNTED ON THE ADVANCED DESTINATION SIGN, THE OTHER WILL BE ON ITS OWN METAL POST - TYPE B

SIGN PANEL TYPE 1 TOTAL =	110	SQ FT
SIGN PANEL TYPE 3 TOTAL =	126	SQ FT

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/10/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RCUT SCHEDULES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	33
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING FOR RCUT (1 OF 2)

START STATION	END STATION	LOCATION	DESCRIPTION	THERMOPLASTIC PAVEMENT MARKING					REMARKS	
				LINE 4"		LINE 12"		LINE 24"		LETTERS & SYMBOLS
				WHITE FT	YELLOW FT	WHITE FT	YELLOW FT	WHITE FT		
WESTBOUND										
85+29.00	86+85.00	LT TN LN	SOLID	156					LT TN LANE INSIDE EDGE	
84+27.00	85+29.00	MEDIAN	SOLID	61					ALONG WB TURNAROUND OUTSIDE EDGE	
85+19.00	85+70.00	MEDIAN	SOLID		62				ALONG WB TURNAROUND INSIDE EDGE	
86+46.00		LT TN LN	LT TN ARROW					8.8		
86+73.00		LT TN LN	ONLY					11.8		
85+70.00	89+70.00	LT TN LN	SOLID		400				LT TN LANE OUTSIDE EDGE	
98+65.00	99+83.00	LT EOP	SKIP DASH	30					LOON OPENING (3' DASH, 9' GAP)	
98+65.00	99+83.00	LOON EOP	SOLID	141					ALONG LOON EDGE	
99+56.00	99+86.00	RT EOP	SKIP DASH		9				EB TURNAROUND OPENING (3' DASH, 9' GAP)	
EASTBOUND										
84+77.00	85+07.00	LT EOP	SKIP DASH		9				WB TURNAROUND OPENING (3' DASH, 9' GAP)	
84+79.00	88+21.00	RT TN LN	SKIP DASH	87					LOON, RT TN LN INSIDE EDGE (3' DASH, 9' GAP)	
84+79.00	91+06.00	RT TN LN	SOLID	645					ALONG LOON, RT TN LN OUTSIDE EDGE	
86+21.00	88+21.00	RT TN LN	SKIP DASH	51					BIKE LANE EDGE (3' DASH, 9' GAP)	
88+21.00	91+37.00	RT TN LN	SOLID	632					BIKE LANE EDGE LINES	
88+27.00		RT TN LN	BIKE SYMBOL					4.7	BIKE LANE	
88+30.00		RT TN LN	ONLY					11.8		
88+39.00		RT TN LN	THROUGH ARROW					6.5	BIKE LANE	
88+57.00		RT TN LN	RT TN ARROW					8.8		
90+82.00		RT TN LN	BIKE SYMBOL					4.7	BIKE LANE	
90+94.00		RT TN LN	THROUGH ARROW					6.5	BIKE LANE	
91+64.00	91+93.00	ISLAND	SOLID	58					BIKE LANE EDGE LINES	
94+71.00	98+71.00	LT TN LN	SOLID		400				LT TN LANE OUTSIDE EDGE	
97+56.00	99+18.00	LT TN LN	SOLID	162					LT TN LANE INSIDE EDGE	
98+71.00	99+28.00	MEDIAN	SOLID		69				ALONG EB TURNAROUND INSIDE EDGE	
99+18.00	99+58.00	MEDIAN	SOLID	61					ALONG EB TURNAROUND OUTSIDE EDGE	
97+73.00		LT TN LN	ONLY					11.8		
98+00.00		LT TN LN	LT TN ARROW					8.8		
SUB-TOTALS (1 OF 2)				2084	949	0	0	0	84.2	

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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/10/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RCUT SCHEDULES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	34
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING FOR RCUT (2 OF 2)

START STATION	END STATION	LOCATION	DESCRIPTION	THERMOPLASTIC PAVEMENT MARKING						REMARKS
				LINE 4"		LINE 12"		LINE 24"	LETTERS & SYMBOLS	
				WHITE FT	YELLOW FT	WHITE FT	YELLOW FT	WHITE FT		
SIDEROADS										
8+53.00	9+21.00	GORE	SOLID	223						ALONG S. AURELIA RT EDGE LINE
8+53.00	9+21.00	GORE	DIAGONALS			149				ALONG S. AURELIA NEW RT EOP
8+53.00	9+21.00	RT EOP	SOLID	204						ALONG S. AURELIA NEW RT EOP
8+53.00	9+95.00	LT EOP	SOLID	137						ALONG S. AURELIA NEW LT EOP
8+53.00	9+48.00	CL	SKIP DASH		30					S. AURELIA
9+00.00		RT	ONLY						11.8	S. AURELIA
9+27.00		RT	RT TN ARROW						8.8	S. AURELIA
9+61.00		RT	STOP BAR					18		S. AURELIA
10+59.00	11+61.00	RT EOP	RT EOP	115						ALONG N. AURELIA RT EOP
11+09.00		LT	STOP BAR					18		N. AURELIA
11+41.00	12+03.00	GORE	SOLID	202						ALONG N. AURELIA LT EDGE LINE
11+41.00	12+03.00	GORE	DIAGONALS			79				ALONG N. AURELIA NEW LT EOP
11+41.00	11+67.00	LT EOP	SOLID	154						ALONG N. AURELIA NEW LT EOP
11+23.00	11+97.00	CL	SKIP DASH		20					N. AURELIA
11+40.00		LT	RT TN ARROW						8.8	N. AURELIA
11+67.00		LT	ONLY						11.8	N. AURELIA
AURELIA INTERSECTION										
-	-	WEST	SOLID		133					AROUND MEDIAN NOSE
-	-	ISLAND	SOLID	69						AROUND WEST INSIDE EDGE
91+27 WB	91+67 WB	WB RT EOP	SKIP DASH	12						LT TN LANE OPENING (3' DASH, 9' GAP)
91+67 WB	92+14 WB	WB RT EOP	SOLID	47						
91+67 WB	92+14 WB	GORE	DIAGONAL			21				ISLAND
90+98 EB	91+42 EB	EB LT EOP	SOLID	44						
90+98 EB	91+42 EB	GORE	DIAGONAL			21				ISLAND
91+42 EB	91+81 EB	EB LT EOP	SKIP DASH	12						LT TN LANE OPENING (3' DASH, 9' GAP)
-	-	ISLAND	SOLID	71						AROUND EAST INSIDE EDGE
-	-	EAST	SOLID		165					AROUND MEDIAN NOSE
SUB-TOTALS (2 OF 2)				1290	348	270	0	36	41.2	
RCUT PAVEMENT MARKING TOTALS				4671		270		36	125.4	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RCUT SCHEDULES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	35
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

PAVEMENT RESURFACING (2 OF 2)

LOCATION STATION TO STATION	LENGTH		ROADWAY WIDTH		HMA SURF. REMOVAL	HMA SURF. REMOVAL	HMA SURF. REMOVAL	HMA SURF. REMOVAL	HMA SURF. REMOVAL	HMA SURF. REMOVAL	POLY. HMA SURF. CSE., IL-9.5, MIX "D", N90	POLY. HMA BINDER CSE., IL-9.5 FG, N90	POLY. HMA BINDER CSE., IL-9.5 FG, N90	POLY. HMA BINDER CSE., IL-9.5 FG, N90	BITUMINOUS MATERIALS (TACK COAT)	REMARKS	
	FOR INFORMATIONAL PURPOSE ONLY				1 1/4"	2 1/2"	2 3/4"	3"	VAR. DEPTH	BUTT JOINT	(1 1/2"	(1"	(1 1/4"	(1 1/2"			
	FT		FT		SO YD	SO YD	SO YD	SO YD	SO YD	SO YD	TON	TON	TON	TON	LBS		
SIDERoads, INTERSECTIONS, AND MISCELLANEOUS																	
	8+53.00	TO	8+75.00	22	24						58.7	4.9		4.1		39.6	SOUTH AURELIA DRIVE
	8+75.00	TO	9+87.00	112	VARIABLE	491.5						41.3		34.4		331.8	SOUTH AURELIA DRIVE
	10+83.00	TO	11+77.00	94	VARIABLE	435.1						36.5		30.5		293.7	NORTH AURELIA DRIVE
	11+77.00	TO	12+03.00	26	24						69.3	5.8		4.9		46.8	NORTH AURELIA DRIVE
EB LT	90+57.00	TO	91+47.00	-	VARIABLE				203.4			17.1		14.2		137.3	AURELIA INTERSECTION
WB RT	91+62.00	TO	92+42.00	-	VARIABLE				182.1			15.3		12.7		122.9	AURELIA INTERSECTION
	126+93.00	TO	127+63.00	70	40			311.1				26.1		17.4		210.0	OLD IL 13 INTERSECTION
EB RT	127+07.00	TO	127+44.00	37	16		65.8					5.5	3.7			44.4	OLD IL 13 ENTRANCE
EB RT	127+44.00	TO	128+70.00	126	10		140.0					11.8	7.8			94.5	BIKE LANE AND GORE
EB RT	128+42.00	TO	128+70.00	28	16		49.8					4.2	2.8			33.6	OLD IL 13 MERGE LANE
SUB-TOTALS (2 OF 2)																	
						926.6	255.6	0.0	311.1	385.5	128.0	168.5	14.3	100.8	17.4	1354.6	
PAVEMENT RESURFACING TOTALS						25,988	4,912	11,448	7,788	1,750	128	4,366		3,650		35,012	

TEMPORARY RAMPS

STATION TO STATION			LOCATION	LENGTH	TEMPORARY RAMPS	REMARKS	
					(SO YD)		
	51+15.00			START OF JOB	56	31.1	EB AND WB
WB	57+31.00	TO	58+85.00	N. TAFT ST.	154	17.1	
EB	57+52.00	TO	59+06.00	S. TAFT ST.	154	17.1	
WB	62+67.00	TO	64+05.00	BROEKING RD.	138	15.3	
EB	62+81.00	TO	64+20.00	N. RADCLIFFE ST.	139	15.4	
EB	109+01.00	TO	109+53.00	WB TURNAROUND	52	5.8	
WB	120+15.00	TO	120+51.00	EB TURNAROUND	36	4.0	
EB	127+07.00	TO	127+44.00	OLD 13	37	4.1	
EB	135+62.00			END OF JOB	24	13.3	
WB	135+62.00			END OF JOB	24	13.3	
TOTALS						137	

DETECTOR LOOP

LOCATION		SIZE	EOP TO LOOP	LOOP AMOUNT	DETECTOR LOOP, TY. 1
			FT	FT	FT
51+28	MTL	5' X 5'	25	20	45
52+29	WBPL	5' X 5'	16	20	36
52+29	WBDL	5' X 5'	6	20	26
TOTAL					107

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RESURFACING SCHEDULES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	37
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

SHOULDER RESURFACING (1 OF 2)

LOCATION STATION TO STATION				LENGTH	SHOULDER WIDTH	HMA SURF. REMOVAL	HMA SURF. REMOVAL	HMA SURF. REMOVAL	HMA SHOULDERS	HMA SHOULDERS	BITUMINOUS MATERIALS (TACK COAT)	AGG. WEDGE SHOULDERS, TY. B	REMARKS		
				FOR INFORMATIONAL PURPOSE ONLY				1/2"	1 1/2"	VAR. DEPTH				(1 1/2"	(2"
				FT	FT	SO YD	SO YD	SO YD	TON	TON				LBS	TON
EASTBOUND															
RT	63+96.00	TO	64+20.00	24	10		26.7		2.2		12.0				
RT	64+20.00	TO	64+50.00	30	10			33.3		3.3	15.0				
RT	64+50.00	TO	84+78.90	2,029	10	2254.3				252.5	1014.5	32.1			
RT	85+68.60	TO	87+05.40	137	VARIABLE					5.7	22.8		PROP. EB RT TN - EX. SHLD		
RT	93+20.00	TO	102+35.67	916	10	1017.8				114.0	458.0	14.5			
	102+35.67 BK	=	102+75.67 AH												
RT	102+75.67	TO	108+61.00	585	10	650				72.8	292.5	9.3			
RT	108+61.00	TO	108+86.00	25	10		27.8	2.7			12.5				
RT	111+54.00	TO	120+38.00	884	10		982.2	82.5			442.0				
RT	129+09.00	TO	133+83.00	474	10		526.7	44.2			237.0		MERGE LANE SHOULDER		
RT	133+83.00	TO	135+62.00	179	VARIABLE		139.2	11.7			62.6				
LT	69+11.00	TO	84+64.00	1,553	6	1035.3				116.0	465.9	24.6			
LT	85+24.00	TO	90+57.00	533	4	236.9				26.5	106.6				
LT	92+31.00	TO	94+71.00	240	4	106.7				11.9	48.0				
LT	99+52.00	TO	102+35.67	284	6	189.3				21.2	85.2				
LT	100+77.00	TO	102+35.67	159	-							2.5			
	102+35.67 BK	=	102+75.67 AH												
LT	102+75.67	TO	108+56.00	580	6	386.7				43.3	174.0	9.2			
LT	108+56.00	TO	108+86.00	30	6			20.0	2.0		9.0				
LT	109+64.00	TO	113+84.00	420	6		280.0	23.5			126.0				
LT	120+44.00	TO	126+79.00	635	6		423.3	35.6			190.5				
LT	127+63.00	TO	135+62.00	799	4		355.1	29.8			159.8				
WESTBOUND															
LT	63+75.00	TO	64+20.00	45	10		50.0		4.2		22.5				
LT	64+20.00	TO	64+50.00	30	10			33.3		3.3	15.0				
LT	64+50.00	TO	89+95.00	2,545	10	2827.8				316.7	1272.5	40.3			
LT	92+03.00	TO	98+65.00	662	10	735.6				82.4	331.0	10.5			
LT	99+98.00	TO	102+66.89	269	10	298.9				33.5	134.5	4.3			
	102+66.89 BK	=	102+75.67 AH												
LT	102+75.67	TO	108+56.00	580	10	644.4				72.2	290.0	9.2			
LT	108+56.00	TO	108+86.00	30	10			33.3	3.3		15.0				
LT	108+86.00	TO	118+73.00	987	10		1096.7	92.1			493.5				
LT	128+17.00	TO	135+22.00	705	10		783.3	65.8			352.5				
LT	135+22.00	TO	135+62.00	40	4		17.8	1.5			8.0				
SUB-TOTALS (1 OF 2)						10383.7	4681.0	147.7	401.1	1175.3	6868.4	156.5			

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RESURFACING SCHEDULES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	38
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

SHOULDER RESURFACING (2 OF 2)

LOCATION STATION TO STATION				LENGTH	SHOULDER WIDTH	HMA SURF. REMOVAL	HMA SURF. REMOVAL	HMA SURF. REMOVAL	HMA SHOULDERS	HMA SHOULDERS	BITUMINOUS MATERIALS (TACK COAT)	AGG. WEDGE SHOULDERS, TY. B	REMARKS			
				FOR INFORMATIONAL PURPOSE ONLY					1/2"	1 1/2"				VAR. DEPTH	(1 1/2"	(2"
				FT	FT	SO YD	SO YD	SO YD	TON	TON				LBS	TON	
RT	69+11.00	TO	84+95.00	1,584	6	1056.0				118.3	475.2	25.1				
RT	89+70.00	TO	90+67.00	97	4	43.1				4.8	19.4					
RT	92+93.00	TO	97+72.00	479	4	212.9				23.8	95.8					
RT	97+72.00	TO	97+92.00	20	VARIABLE	11.1				1.2	5.0					
RT	97+92.00	TO	99+40.00	148	6	98.7				11.1	44.4					
RT	99+99.00	TO	102+66.89	268	6	178.7				20.0	80.4					
RT	101+06.00	TO	102+66.89	161	-							2.5				
	102+66.89 BK	=	102+75.67 AH													
RT	102+75.67	TO	108+56.00	580	6	386.7				43.3	174.0	9.2				
RT	108+56.00	TO	108+86.00	30	6			20.0	2.0		9.0					
RT	115+58.00	TO	119+95.00	437	6		291.3		24.5		131.1					
RT	120+64.00	TO	126+15.00	551	6		367.3		30.9		165.3					
RT	127+63.00	TO	135+62.00	799	4		355.1		29.8		159.8					
SIDEROADS																
LT	8+53.00	TO	8+75.00	22	4	9.8				1.1	4.4	0.3	SOUTH AURELIA			
RT	8+53.00	TO	9+10.00	57	4	25.3				2.8	11.4	0.9	SOUTH AURELIA			
LT	11+77.00	TO	12+03.00	26	4	11.6				1.3	5.2	0.4	NORTH AURELIA			
RT	10+76.00	TO	12+03.00	127	4	56.4				6.3	25.4		NORTH AURELIA			
RT	10+76.00	TO	11+67.00	91	-							1.4	NORTH AURELIA			
SUB-TOTALS (2 OF 2)						2090.3	1013.7	20.0	87.2	234.0	1405.8	39.8				
SHOULDER RESURFACING TOTALS						12474	5695	168	1898	8275	197					

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RESURFACING SCHEDULES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	39
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

CRACK CONTROL

LOCATION STATION TO STATION				LONGITUDINAL JOINT SEALANT	STRIP REFLECTIVE CRACK CONTROL	REMARKS
				FT	FT	
EASTBOUND						
CL	51+15.00	TO	102+35.67	5,121		
	102+35.67 BK	=	102+75.67 AH			
CL	102+75.67	TO	135+62.00	3,286		
LT	51+15.00	TO	69+11.00	1,796		LT TN LANE AND GORE EDGE
LT	84+64.00	TO	85+24.00		60	NEW TURNAROUND EDGE
LT	85+27.00	TO	91+81.00	654		LT TN LANE EDGE
LT	94+71.00	TO	99+52.00		481	NEW LT TN LANE EDGE
LT	126+50.00	TO	127+64.00	114		OLD 13 INTERSECTION
RT	84+79.00	TO	92+35.00	756		NEW RT TURN INSIDE EDGE
RT	84+84.00	TO	85+69.00		85	WIDENING FOR NEW EB LOON
RT	87+05.00	TO	91+31.00		426	WIDENING FOR NEW EB RT TN LANE
RT	92+35.00	TO	93+20.00		85	
RT	127+07.00	TO	134+79.00	772		MERGE LANE EDGE
WESTBOUND						
CL	51+15.00	TO	102+66.89	5,152		
	102+66.89 BK	=	102+75.67 AH			
CL	102+75.67	TO	135+62.00	3,286		
RT	51+15.00	TO	69+11.00	1,796		LT TN LANE AND GORE EDGE
RT	84+95.00	TO	89+70.00		475	NEW LT TN LANE EDGE
RT	91+28.00	TO	97+72.00	644		LT TN LANE EDGE
RT	99+40.00	TO	99+99.00		59	NEW TURNAROUND EDGE
RT	126+15.00	TO	132+52.00	637		LT TN LANE EDGE
LT	89+95.00	TO	90+67.00		72	
LT	90+67.00	TO	92+03.00	136		N. AURELIA EDGE
LT	98+65.00	TO	99+99.00		134	NEW WB LOON EDGE
SIDERoads						
S. AURELIA	8+75.00	TO	10+08.00		142	ALONG LT RADIUS WIDENING
S. AURELIA	9+10.00	TO	9+58.00		80	ALONG RT RADIUS WIDENING
N. AURELIA	11+13.00	TO	11+77.00		78	ALONG LT RADIUS WIDENING
TOTALS				24,150	2,177	

* - LONGITUDINAL JOINT SEALANT WILL BE PLACED UNDER THE SURFACE LIFT OF MAINLINE RESURFACING AS PER BDE SPECIAL PROVISION #80398

PAVEMENT PATCHING

LOCATION		CLASS C PATCHES, TY. II, 12"	CLASS C PATCHES, TY. II, 13"	CLASS C PATCHES, TY. II, 14"	CLASS C PATCHES, TY. II, 15"	CLASS C PATCHES, TY. III, 15"	REMARKS
		SO YD	SO YD	SO YD	SO YD	SO YD	
51+15	EBDL	6					
51+15	EBPL	6					
65+00	EBPL	6					
65+00	MTL				6		
65+00	WBPL				10		
65+39	WBPL				6		
65+39	WBDL				10		
80+00	EBDL				8		
80+00	EBPL				8		
84+75	EBDL			9			
84+75	EBPL			4			
90+50	EBDL			4			
90+50	EBPL			4			
94+95	EBDL			10			
94+95	EBPL			10			
98+36	EBDL			6			
98+36	EBPL			6			
91+84	INTERSECTION					18	FOR STORM SEWER WORK
106+00	EBDL			4			
106+00	EBPL			4			
110+00	EBDL			4			
110+00	EBPL			4			
119+00	EBDL			4			
119+00	EBPL			4			
120+50	WBPL				4		
120+50	WBDL				4		
124+00	WBPL		4				
124+00	WBDL		4				
125+00	WBPL		10				
125+00	WBDL		10				
TOTALS		18	28	77	56	18	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RESURFACING SCHEDULES			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	40
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING FOR RESURFACING (1 OF 3)

START STATION	END STATION	LOCATION	DESCRIPTION	THERMOPLASTIC PAVEMENT MARKING					LETTERS & SYMBOLS	REMARKS
				LINE 4"		LINE 12"		LINE 24"		
				WHITE	YELLOW	WHITE	YELLOW	WHITE		
				FT	FT	FT	FT	FT		
UNDIVIDED HIGHWAY - EASTBOUND, WESTBOUND, AND LEFT TURN LANES										
51+15.00	69+11.00	EB CL	SKIP DASH	450						
64+20.00	69+11.00	EB EOP	SOLID	491						
64+50.00		EB RT	BIKE SYMBOL					4.7	OUTSIDE SHOULDER	
64+62.00		EB RT	THROUGH ARROW					6.5	OUTSIDE SHOULDER	
51+15.00	52+82.00	LT TN LN	DOUBLE SOLID		334					
51+15.00	52+92.00	LT TN LN	SOLID	177						
52+38.00		LT TN LN	LT TN ARROW					8.8		
52+64.00		LT TN LN	ONLY					11.8		
52+92.00	56+61.00	GORE	DOUBLE SOLID		738				LT EDGE OF GORE	
52+92.00	56+61.00	GORE	DOUBLE SOLID		738				RT EDGE OF GORE	
52+92.00	56+61.00	GORE	DIAGONAL			143				
56+61.00	57+73.00	LT TN LN	DOUBLE SOLID		224					
56+73.00	57+73.00	LT TN LN	SOLID	100						
56+90.00		LT TN LN	ONLY					11.8		
57+16.00		LT TN LN	LT TN ARROW					8.8		
58+69.00	59+69.00	LT TN LN	SOLID	100						
58+69.00	59+84.00	LT TN LN	DOUBLE SOLID		230					
59+24.00		LT TN LN	LT TN ARROW					8.8		
59+50.00		LT TN LN	ONLY					11.8		
59+84.00	61+88.00	GORE	DOUBLE SOLID		408				LT EDGE OF GORE	
59+84.00	61+88.00	GORE	DOUBLE SOLID		408				RT EDGE OF GORE	
59+84.00	61+88.00	GORE	DIAGONAL			48				
61+88.00	63+03.00	LT TN LN	DOUBLE SOLID		230					
62+03.00	63+03.00	LT TN LN	SOLID	100						
62+19.00		LT TN LN	ONLY					11.8		
62+48.00		LT TN LN	LT TN ARROW					8.8		
63+93.00	65+08.00	LT TN LN	DOUBLE SOLID		230					
63+93.00	64+93.00	LT TN LN	SOLID	100						
64+45.00		LT TN LN	LT TN ARROW					8.8		
64+76.00		LT TN LN	ONLY					11.8		
65+08.00	69+11.00	LT TN LN	DOUBLE SOLID		806					
65+08.00	69+11.00	LT TN LN	DOUBLE SOLID		806					
65+08.00	69+11.00	LT TN LN	DIAGONAL			207				
51+15.00	69+11.00	WB CL	SKIP DASH	450						
64+20.00	69+11.00	WB EOP	SOLID	491						
64+50.00		WB LT	THROUGH ARROW					6.5	OUTSIDE SHOULDER	
64+63.00		WB LT	BIKE SYMBOL					4.7	OUTSIDE SHOULDER	
SUB-TOTALS (1 OF 3)				2,459	5,152	0	398	0	125.4	

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PLOT DATE = 12/10/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RESURFACING SCHEDULES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	41
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING FOR RESURFACING (2 OF 3)

START STATION	END STATION	LOCATION	DESCRIPTION	THERMOPLASTIC PAVEMENT MARKING					LETTERS & SYMBOLS	REMARKS
				LINE 4"		LINE 12"		LINE 24"		
				WHITE	YELLOW	WHITE	YELLOW	WHITE		
				FT	FT	FT	FT	FT		
WESTBOUND										
69+11.00	89+95.00	LT EOP	SOLID	2,084						
77+50.00		LT	THROUGH ARROW						6.5	OUTSIDE SHOULDER
77+63.00		LT	BIKE SYMBOL						4.7	OUTSIDE SHOULDER
92+03.00	98+65.00	LT EOP	SOLID	662						
93+00.00		LT	THROUGH ARROW						6.5	OUTSIDE SHOULDER
93+13.00		LT	BIKE SYMBOL						4.7	OUTSIDE SHOULDER
99+83.00	102+66.89	LT EOP	SOLID	284						
120+66.89 BK	102+75.67 AH	STA EQ.								
102+75.67	118+73.00	LT EOP	SOLID	1,597						
106+00.00		LT	THROUGH ARROW						6.5	OUTSIDE SHOULDER
106+13.00		LT	BIKE SYMBOL						4.7	OUTSIDE SHOULDER
119+85.00	120+25.00	LT EOP	SOLID	40						BIKE LANE EDGE
120+43.00	126+06.00	LT EOP	SOLID	563						BIKE LANE EDGE
128+17.00	135+62.00	LT EOP	SOLID	745						
131+00.00		LT	THROUGH ARROW						6.5	OUTSIDE SHOULDER
131+13.00		LT	BIKE SYMBOL						4.7	OUTSIDE SHOULDER
69+11.00	102+66.89	CL	SKIP DASH	840						
120+66.89 BK	102+75.67 AH	STA EQ.								
102+75.67	135+62.00	CL	SKIP DASH	830						
69+11.00	85+29.00	RT EOP	SOLID		1,618					
89+70.00	90+67.00	RT EOP	SOLID		97					
92+14.00	95+02.00	LT TN LN	SOLID	288						
94+58.00		LT TN LN	LT TN ARROW						8.8	
94+88.00		LT TN LN	ONLY						11.8	
92+93.00	99+56.00	RT EOP	SOLID		663					
99+86.00	102+66.89	RT EOP	SOLID		281					
120+66.89 BK	102+75.67 AH	STA EQ.								
102+75.67	109+50.00	RT EOP	SOLID		674					
109+50.00	112+63.00	LT TN LN	SOLID	313						
115+58.00	120+16.00	RT EOP	SOLID		458					
120+16.00	120+51.00	RT EOP	SKIP DASH		9					LT TN LANE OPENING (3' DASH, 9' GAP)
120+51.00	126+15.00	RT EOP	SOLID	564						
126+93.00	127+87.00	CROSSING	SKIP DASH	24						OLD IL 13 INTERSECTION (3' DASH, 9' GAP)
127+87.00	130+72.00	LT TN LN	SOLID	285						
130+27.00		LT TN LN	LT TN ARROW						8.8	
130+57.00		LT TN LN	ONLY						11.8	
127+87.00	135+62.00	RT EOP			775					
SUB-TOTALS (2 OF 3)				9,119	4,575	0	0	0	86.0	

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PAVEMENT MARKING FOR RESURFACING (3 OF 3)

START STATION	END STATION	LOCATION	DESCRIPTION	THERMOPLASTIC PAVEMENT MARKING					LETTERS & SYMBOLS	REMARKS
				LINE 4"		LINE 12"		LINE 24"		
				WHITE	YELLOW	WHITE	YELLOW	WHITE		
				FT	FT	FT	FT	FT		
EASTBOUND										
69+11.00	84+77.00	LT EOP	SOLID		1,566					
85+07.00	90+57.00	LT EOP	SOLID		550					
87+97.00	90+98.00	LT TN LN	SOLID		301					
88+12.00		LT TN LN	ONLY					11.8		
88+42.00		LT TN LN	LT TN ARROW					8.8		
92+31.00	94+71.00	LT EOP	SOLID		240					
99+18.00	102+35.67	LT EOP	SOLID		318					
102+35.67 BK	102+75.67 AH	STA EO.								
102+75.67	109+01.00	LT EOP	SOLID		625					
109+01.00	109+53.00	LT EOP	SKIP DASH		15				WB TURNAROUND OPENING (3' DASH, 9' GAP)	
109+53.00	113+84.00	LT EOP	SOLID		431					
116+80.00	120+02.00	LT EOP	SOLID	322						
120+02.00	126+51.00	LT EOP	SOLID		649					
126+51.00	127+63.00	CROSSING	SKIP DASH		30				OLD IL 13 INTERSECTION (3' DASH, 9' GAP)	
127+63.00	135+62.00	LT EOP	SOLID		799					
69+11.00	102+35.67	CL	SKIP DASH	840						
102+35.67 BK	102+75.67 AH	STA EO.								
102+75.67	135+62.00	CL	SKIP DASH	830						
69+11.00	84+79.00	RT EOP	SOLID	1,568						
77+50.00		RT	BIKE SYMBOL					4.7	OUTSIDE SHOULDER	
77+63.00		RT	THROUGH ARROW					6.5	OUTSIDE SHOULDER	
93+20.00	102+35.67	RT EOP	SOLID	916						
95+00.00		RT	BIKE SYMBOL					4.7	OUTSIDE SHOULDER	
95+13.00		RT	THROUGH ARROW					6.5	OUTSIDE SHOULDER	
102+35.67 BK	102+75.67 AH	STA EO.								
102+75.67	109+00.00	RT EOP	SOLID	624						
108+00.00		RT	BIKE SYMBOL					4.7	OUTSIDE SHOULDER	
108+13.00		RT	THROUGH ARROW					6.5	OUTSIDE SHOULDER	
109+00.00	111+54.00	RT EOP	SKIP DASH	66					LOON OPENING (3' DASH, 9' GAP)	
111+54.00	120+38.00	RT EOP	SOLID	884						
122+49.00	127+07.00	RT EOP	SOLID	458						
127+36.00		RT	STOP BAR				12		OLD IL 13	
127+57.00	128+70.00	RT	BIKE LANE	226					BIKE LANE EDGE LINES	
127+57.00	128+70.00	RT	GORE			48				
128+30.00		BIKE LANE	BIKE SYMBOL					4.7		
128+43.00		BIKE LANE	THROUGH ARROW					6.5		
128+58.00	135+62.00	RT EOP	SOLID	704					MERGE LANE	
131+00.00		RT	BIKE SYMBOL					4.7	OUTSIDE SHOULDER	
131+13.00		RT	THROUGH ARROW					6.5	OUTSIDE SHOULDER	
SUB-TOTALS (3 OF 3)				7,438	5,524	48	0	12	76.6	
RESURFACING PAVEMENT MARKING TOTALS				34267		446		12	288.0	

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PLOT DATE = 12/10/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING SCHEDULES			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	43
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

AUR_RADNW

PROP. CURVE AUR_RADNW_3
 PI STA. = 30+62.75
 $\Delta = 97^\circ 49' 27''$ (RT)
 D = 124° 33' 22"
 R = 46.00'
 T = 52.75'
 L = 78.54'
 E = 23.99'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 30+10.00
 P.T. STA. = 30+88.54

PROP. CURVE AUR_RADNW_4
 PI STA. = 31+26.49
 $\Delta = 14^\circ 25' 06''$ (RT)
 D = 19° 05' 55"
 R = 300.00'
 T = 37.95'
 L = 75.49'
 E = 2.39'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 30+88.54
 P.T. STA. = 31+64.03

AUR_RADSE

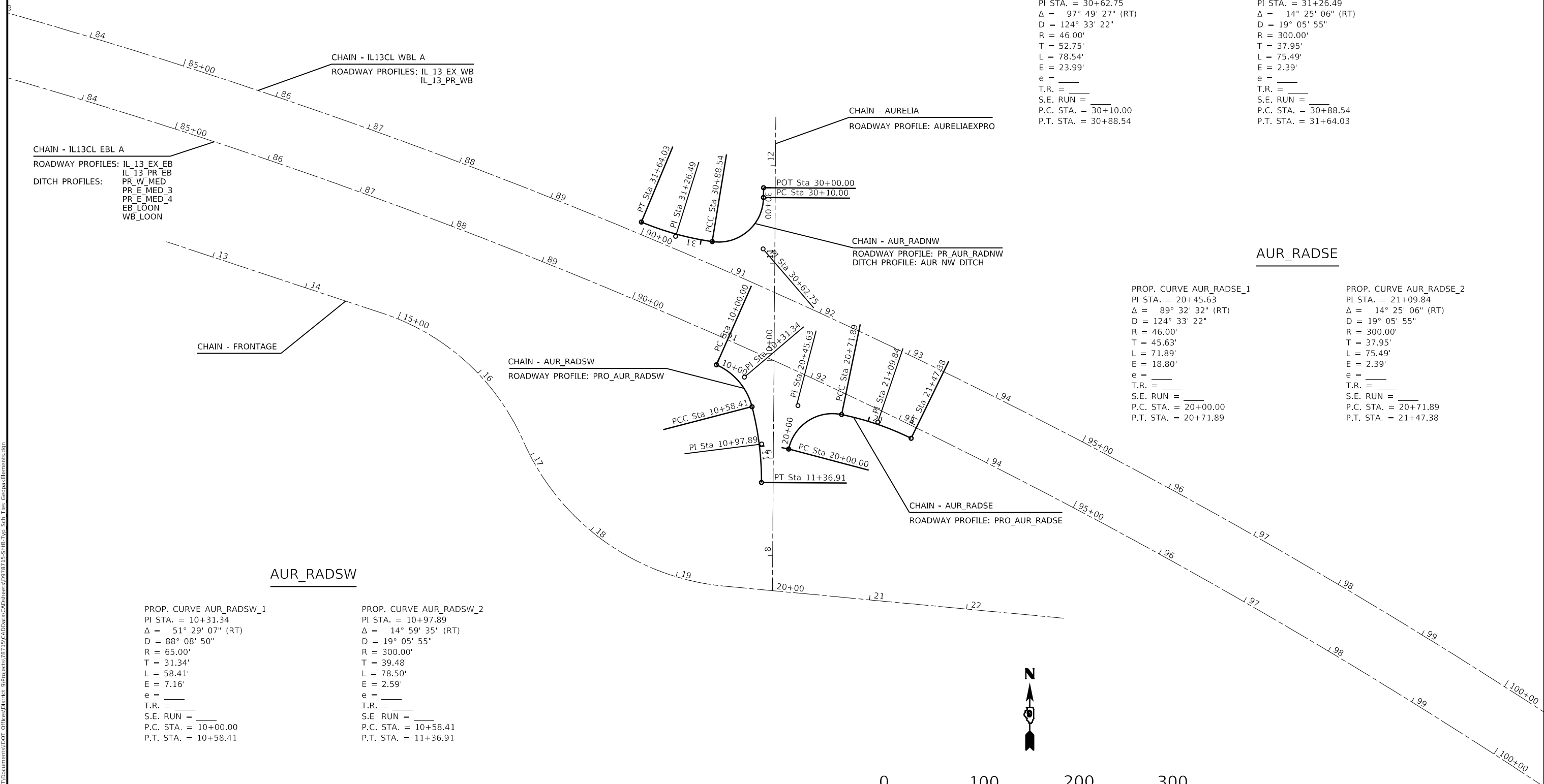
PROP. CURVE AUR_RADSE_1
 PI STA. = 20+45.63
 $\Delta = 89^\circ 32' 32''$ (RT)
 D = 124° 33' 22"
 R = 46.00'
 T = 45.63'
 L = 71.89'
 E = 18.80'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 20+00.00
 P.T. STA. = 20+71.89

PROP. CURVE AUR_RADSE_2
 PI STA. = 21+09.84
 $\Delta = 14^\circ 25' 06''$ (RT)
 D = 19° 05' 55"
 R = 300.00'
 T = 37.95'
 L = 75.49'
 E = 2.39'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 20+71.89
 P.T. STA. = 21+47.38

AUR_RADSW

PROP. CURVE AUR_RADSW_1
 PI STA. = 10+31.34
 $\Delta = 51^\circ 29' 07''$ (RT)
 D = 88° 08' 50"
 R = 65.00'
 T = 31.34'
 L = 58.41'
 E = 7.16'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 10+00.00
 P.T. STA. = 10+58.41

PROP. CURVE AUR_RADSW_2
 PI STA. = 10+97.89
 $\Delta = 14^\circ 59' 35''$ (RT)
 D = 19° 05' 55"
 R = 300.00'
 T = 39.48'
 L = 78.50'
 E = 2.59'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 10+58.41
 P.T. STA. = 11+36.91



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PLOT DATE = 12/10/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

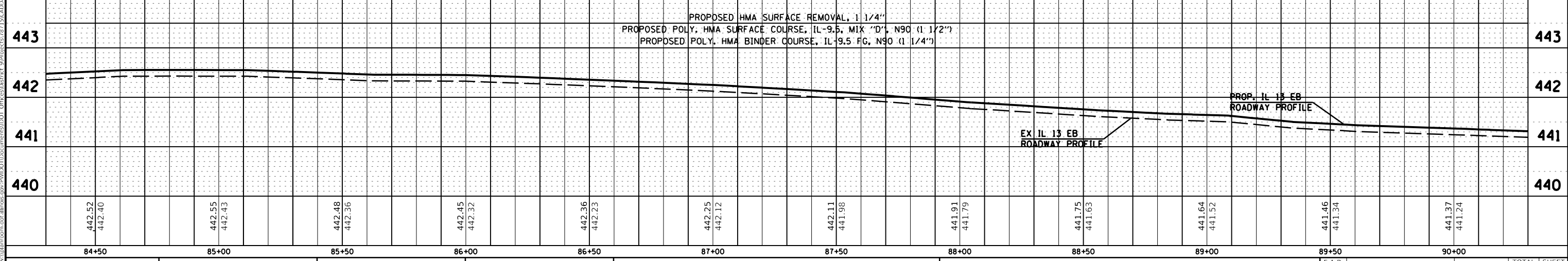
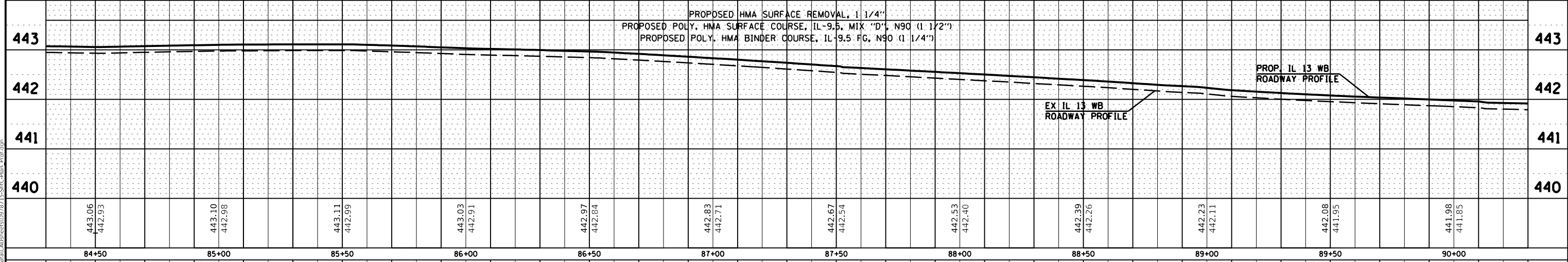
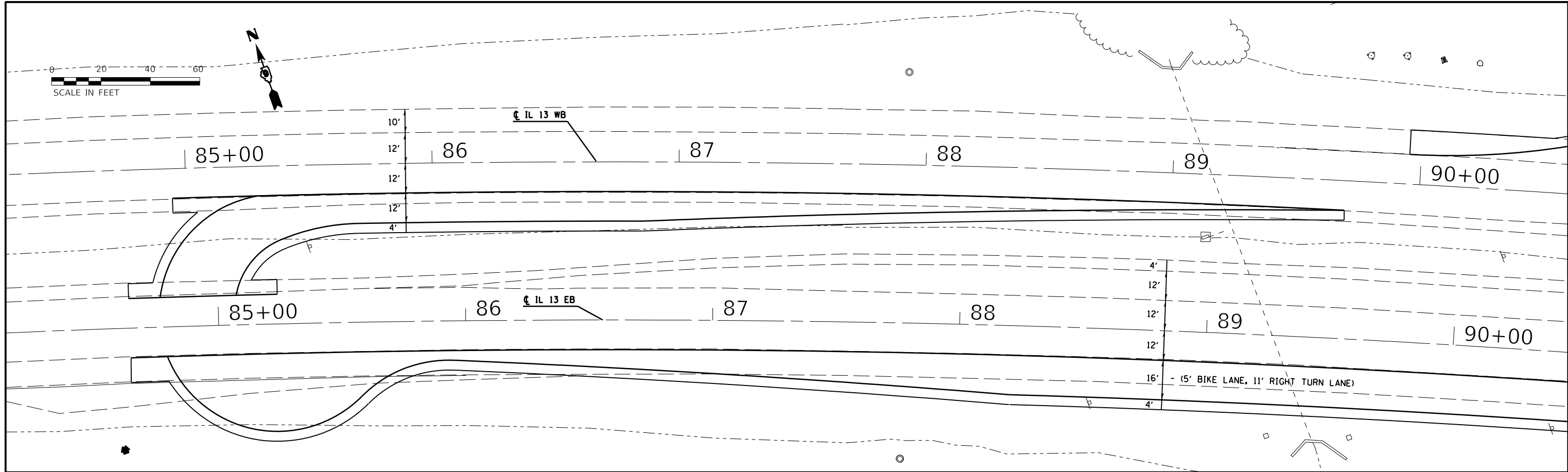
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SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 331	SECTION (6-1)N-2,RS-3	COUNTY WILLIAMSON	TOTAL SHEETS 150	SHEET NO. 44
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
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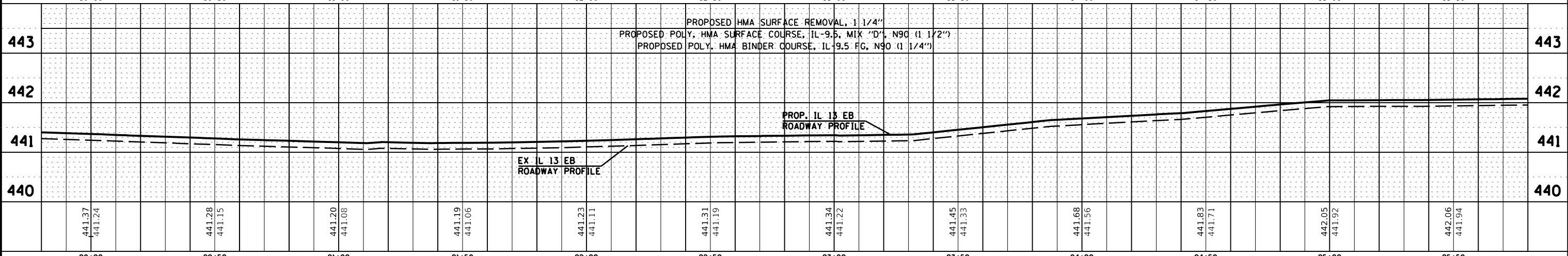
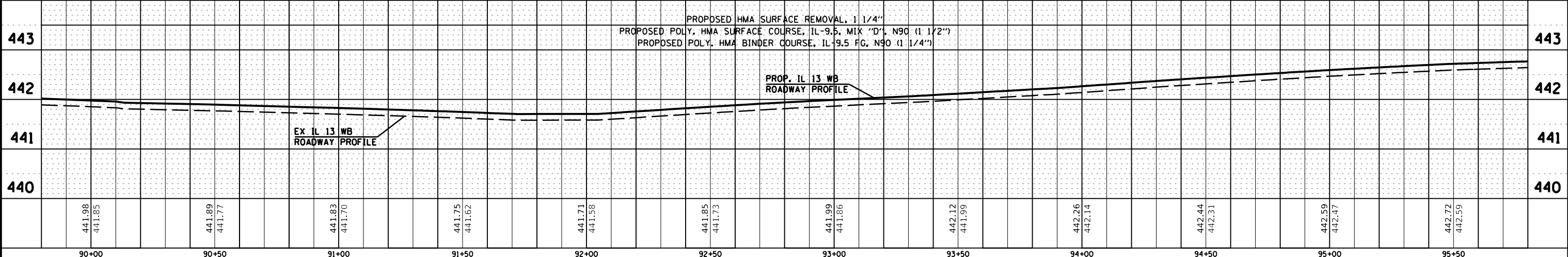
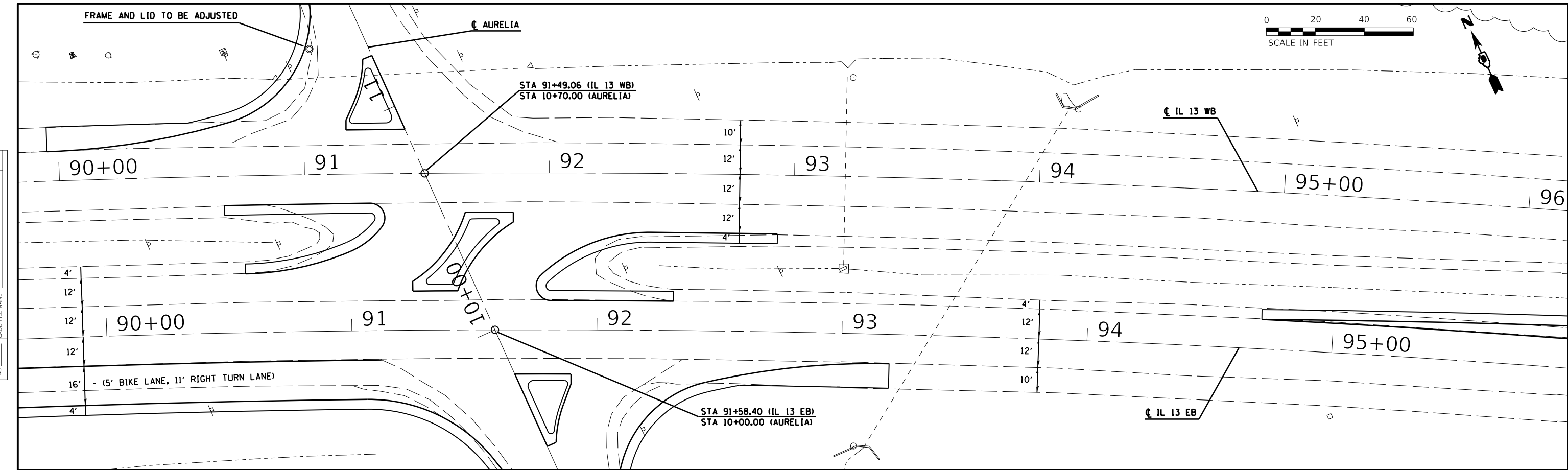
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	PLOT DATE = 12/12/2019	DRAWN -	REvised -					CONTRACT NO. 78715				
		CHECKED -	REvised -					ILLINOIS FED. AID PROJECT				

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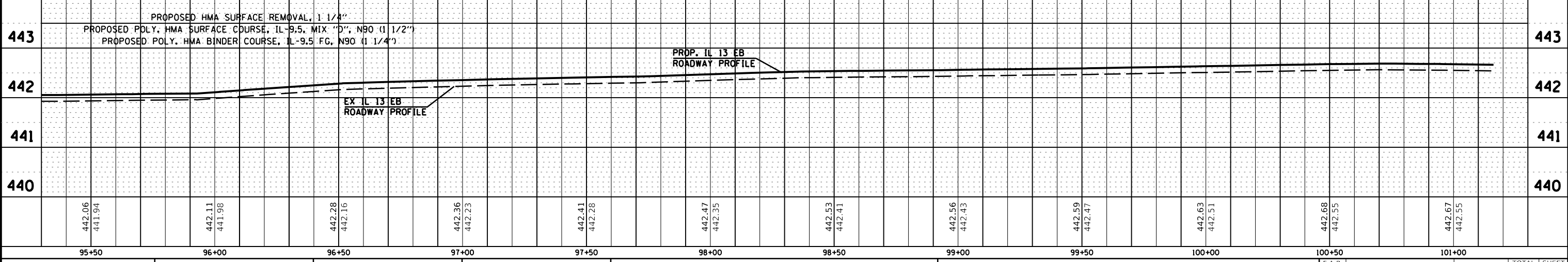
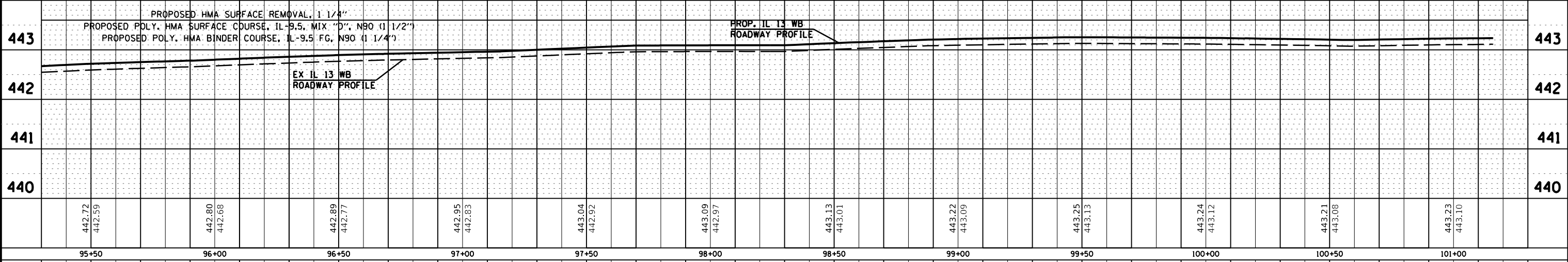
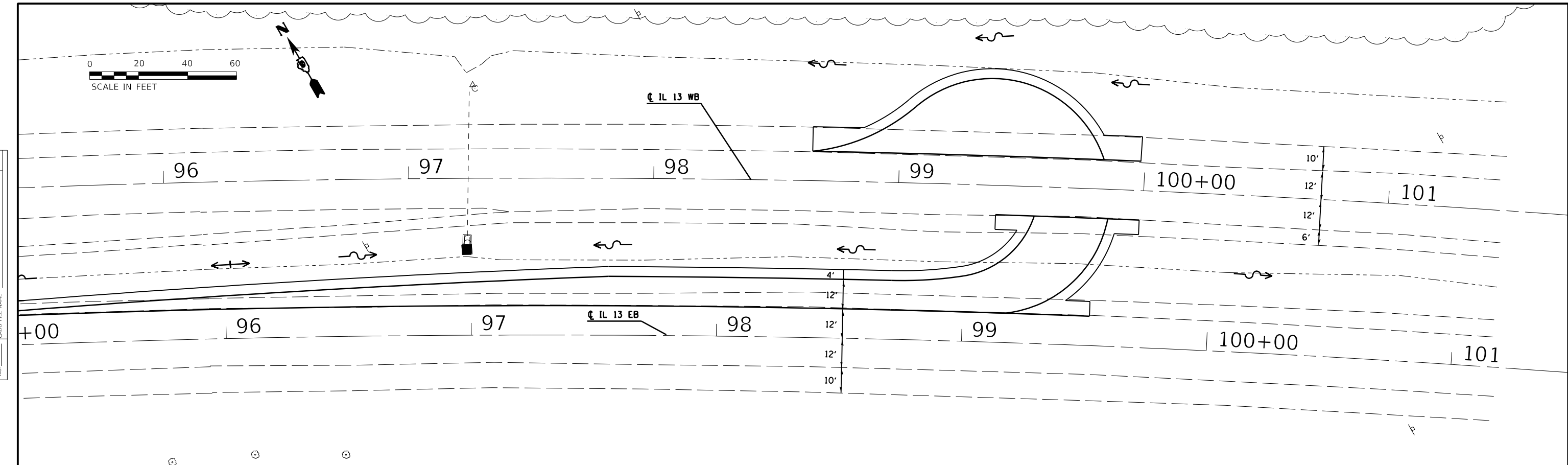
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		CHECKED -	REVISD -						ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTATION CHECKED	
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



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PRESERVE PIPE UNDERDRAIN
STA 99+40 TO 89+70
WB RT

PR INLET TO BE ADJUSTED W/ NEW
STANDARD 542546 FRAME & GRATE
STA 88+97.9, 38.5' LT (IL 13 EB)
EX \uparrow ELEV = 439.41
PR \uparrow ELEV = 440.41
EX INV ELEV = 435.07

IL 13 WB

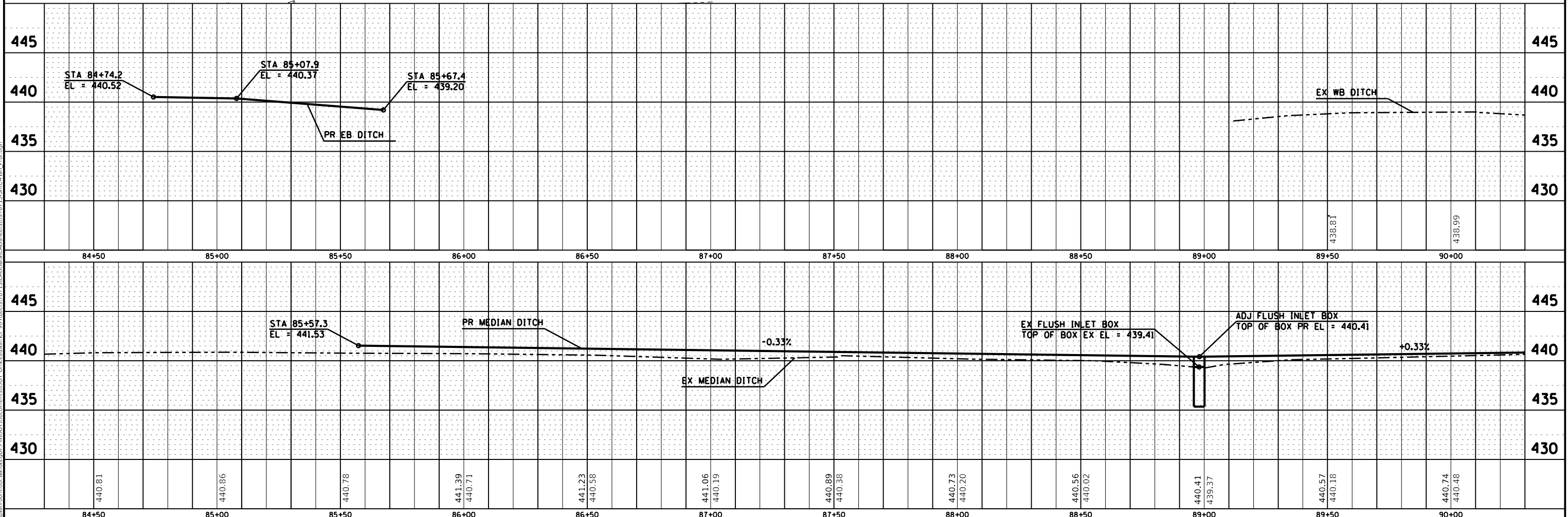
IL 13 EB

PIPE UNDERDRAIN REMOVAL (SPECIAL)
REMOVE CONC. HEADWALL FOR PIPE DRAINS

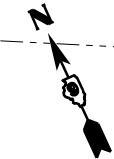
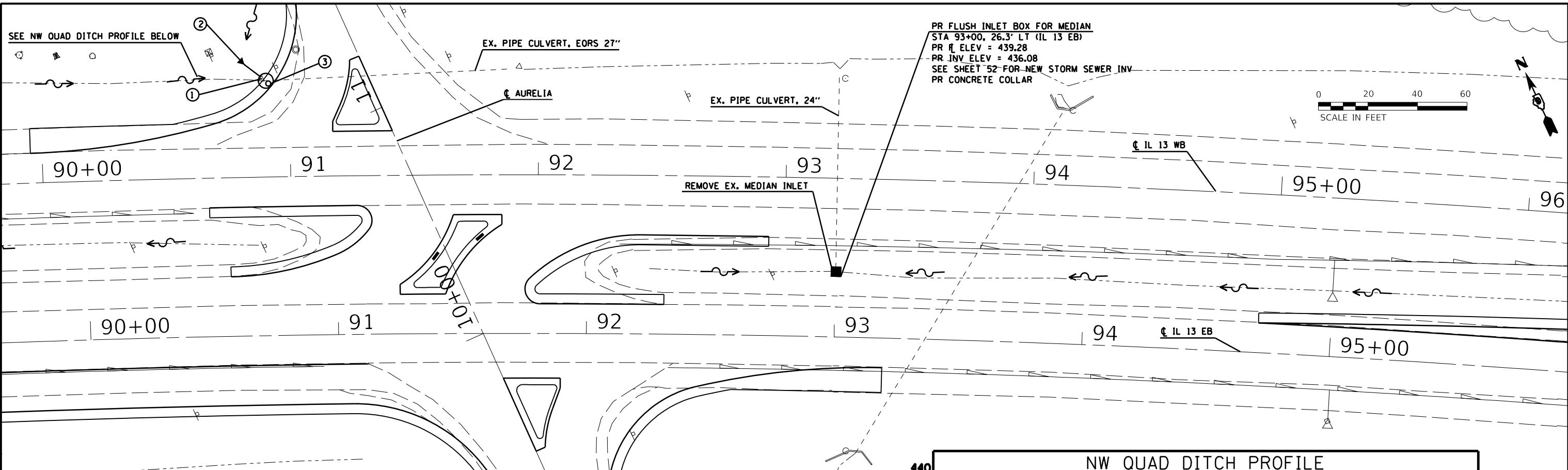
PR PIPE UNDERDRAINS 4" (SPECIAL)
PR CONC. HEADWALLS FOR PIPE DRAINS

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CPWD	
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PROFILE	SURVEYED	DATE
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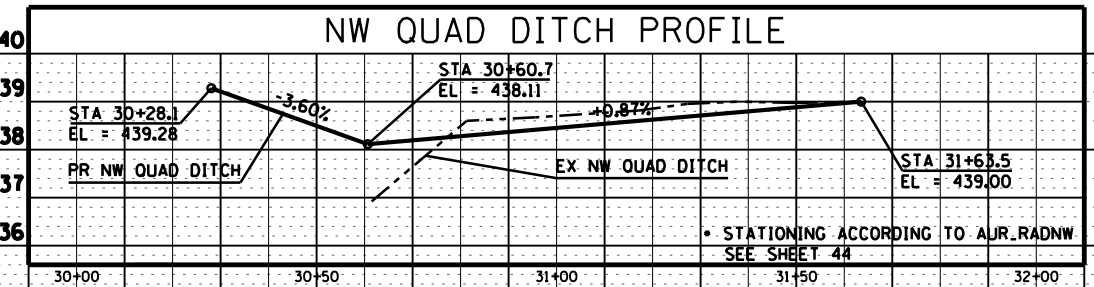
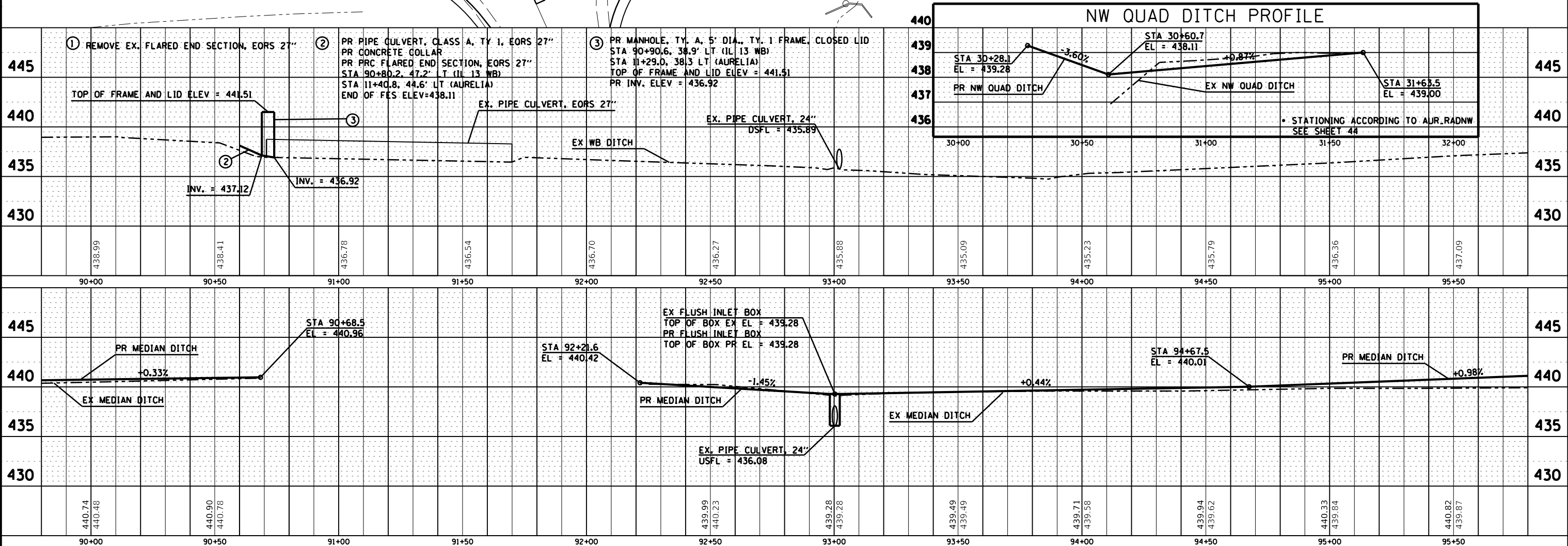


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	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -						331	(6-1)N-2,RS-3	WILLIAMSON	150	49
	PLOT DATE = 12/10/2019	DRAWN -	REVISED -						CONTRACT NO. 78715				
		CHECKED -	REVISED -						ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.			



PLAN	SURVEYED	DATE
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	GRADES CHECKED	
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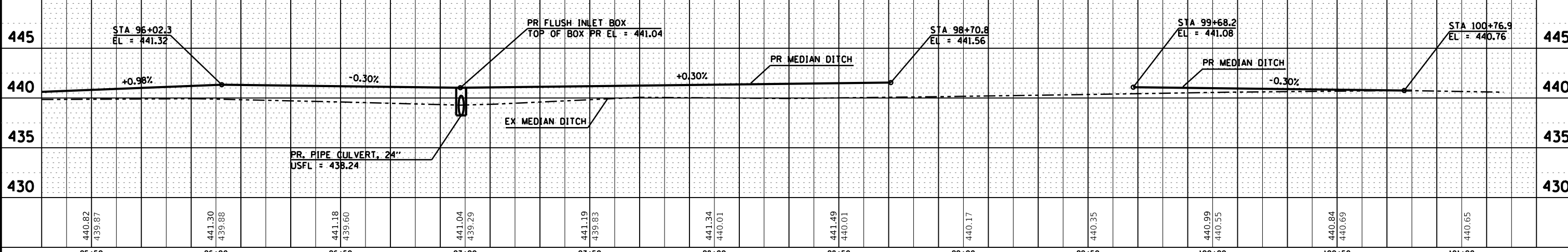
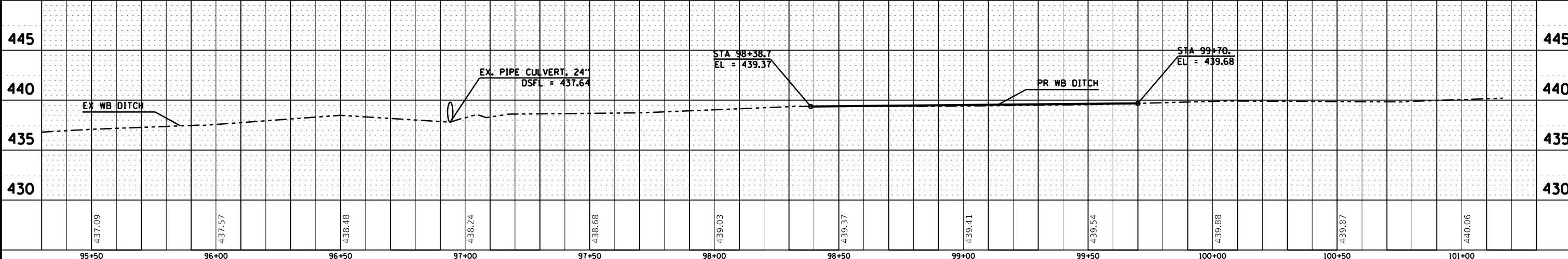
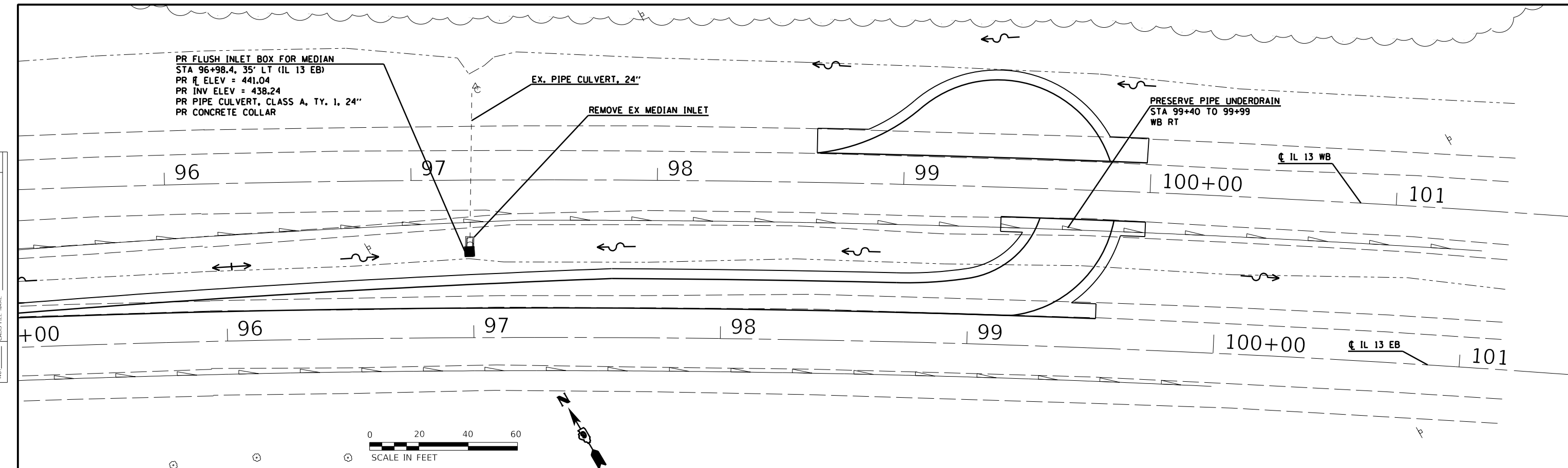


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	GRADES CHECKED	
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	GRADES CHECKED	
	STRUCTURE NOTARIS CPWD	
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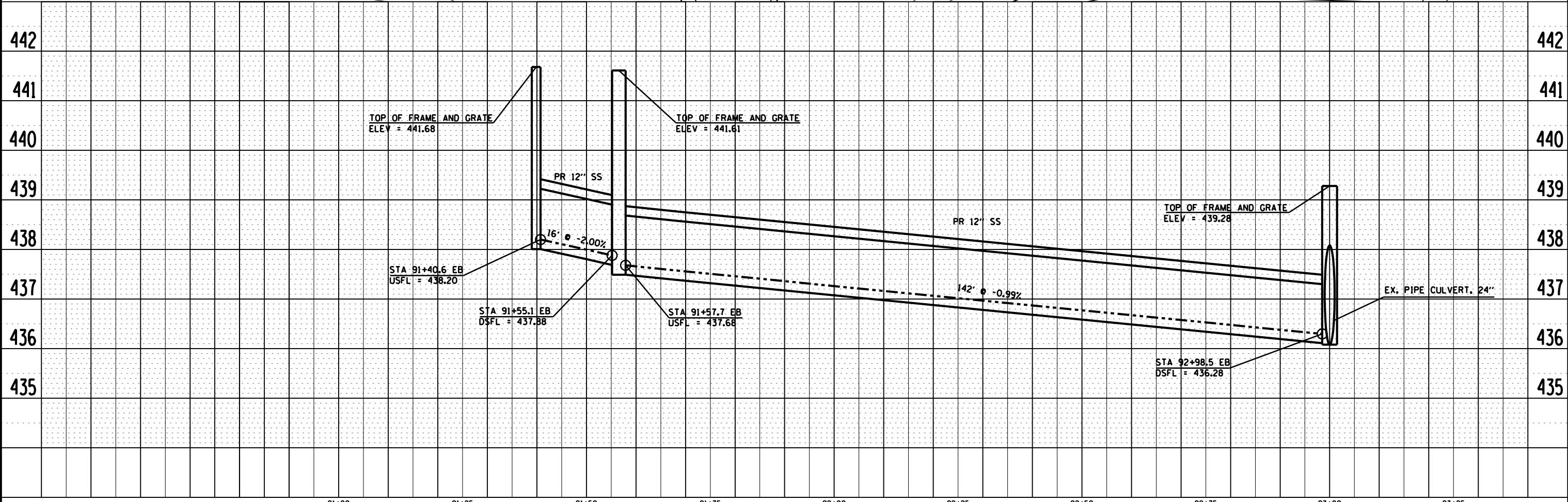
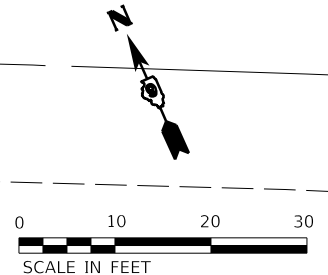
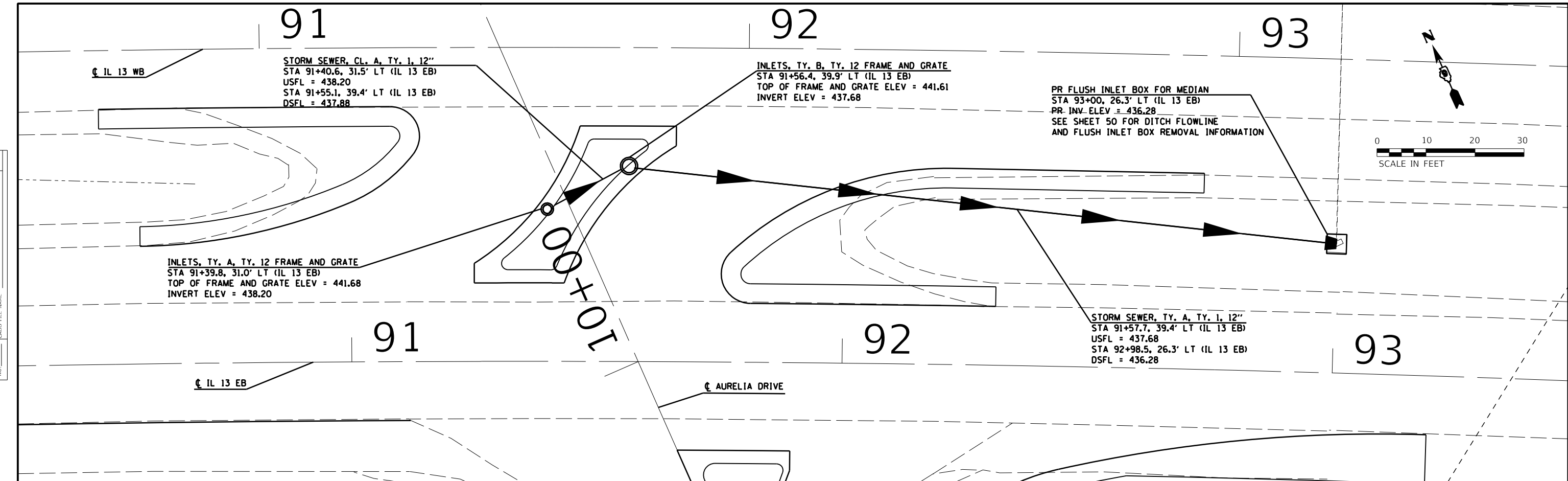


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		CHECKED -	REVISED -												

ILLINOIS FED. AID PROJECT

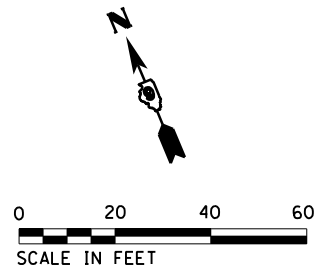
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	PLOTTED	BY
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	PLOTTED	BY
	GRADES CHECKED	
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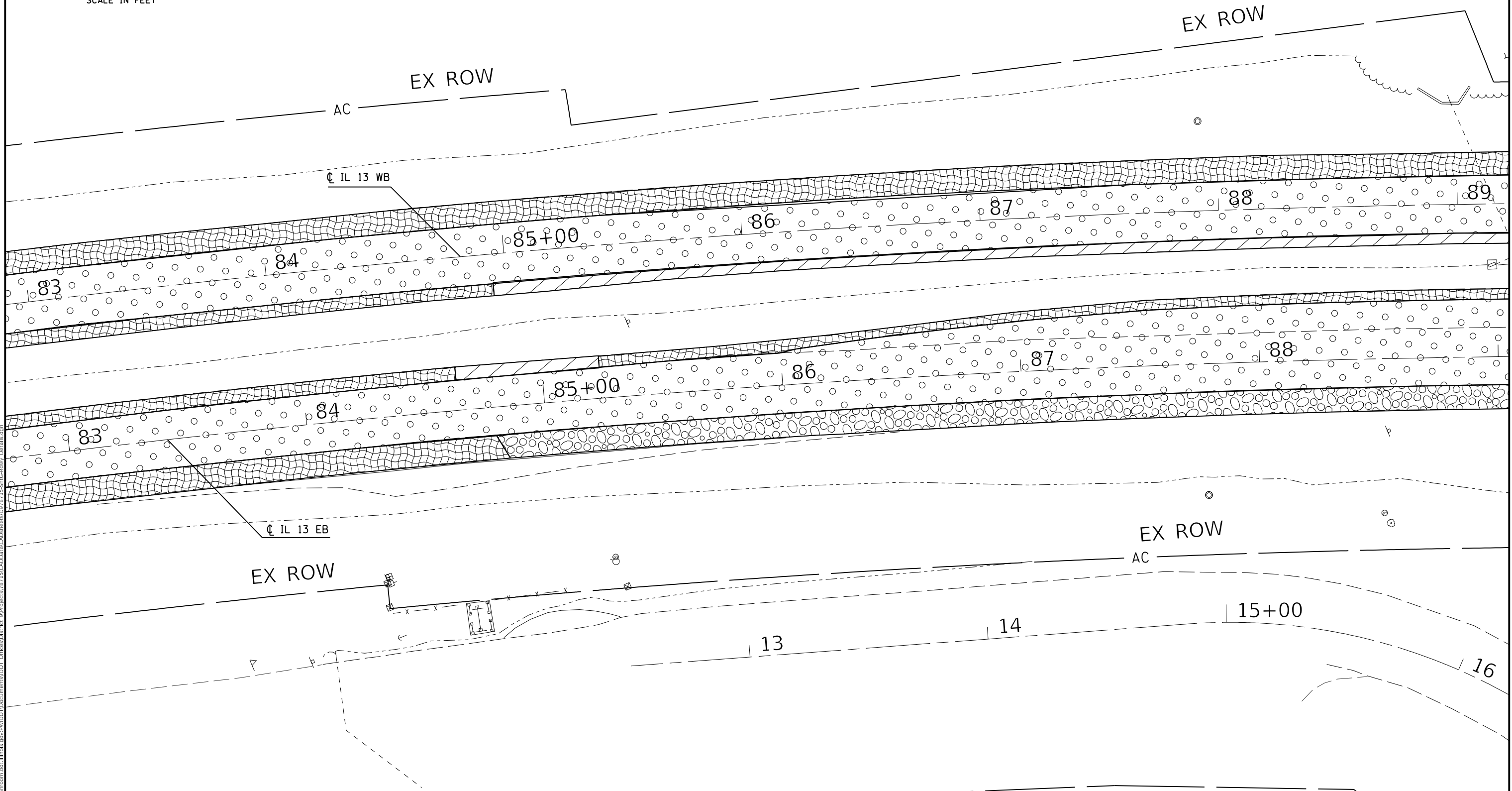


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PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -		331	(6-1)N-2,RS-3	WILLIAMSON	150	52				
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	DATE -	REVISED -										

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- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HMA SURFACE REMOVAL, 1 1/4"
- HMA SURFACE REMOVAL, 1/2"
- HMA SURFACE REMOVAL, VARIABLE DEPTH



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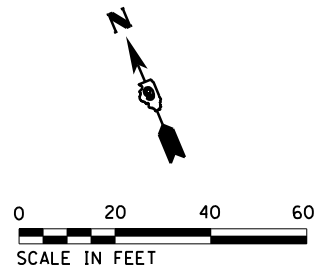
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

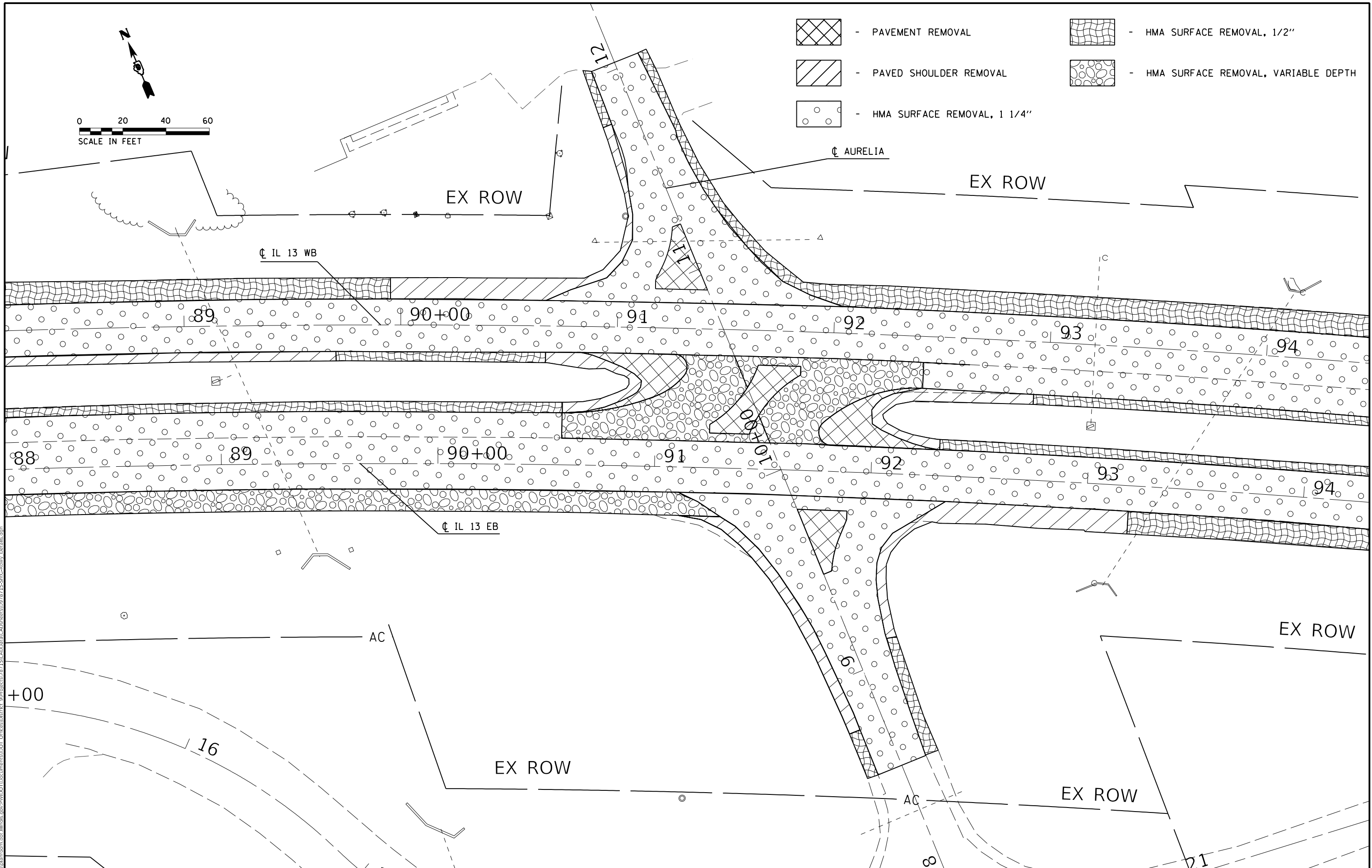
REMOVAL SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	53
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				



- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HMA SURFACE REMOVAL, 1 1/4"
- HMA SURFACE REMOVAL, 1/2"
- HMA SURFACE REMOVAL, VARIABLE DEPTH



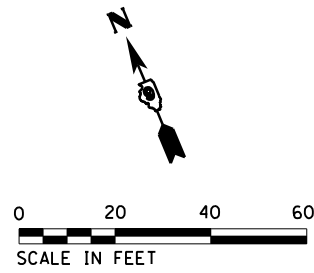
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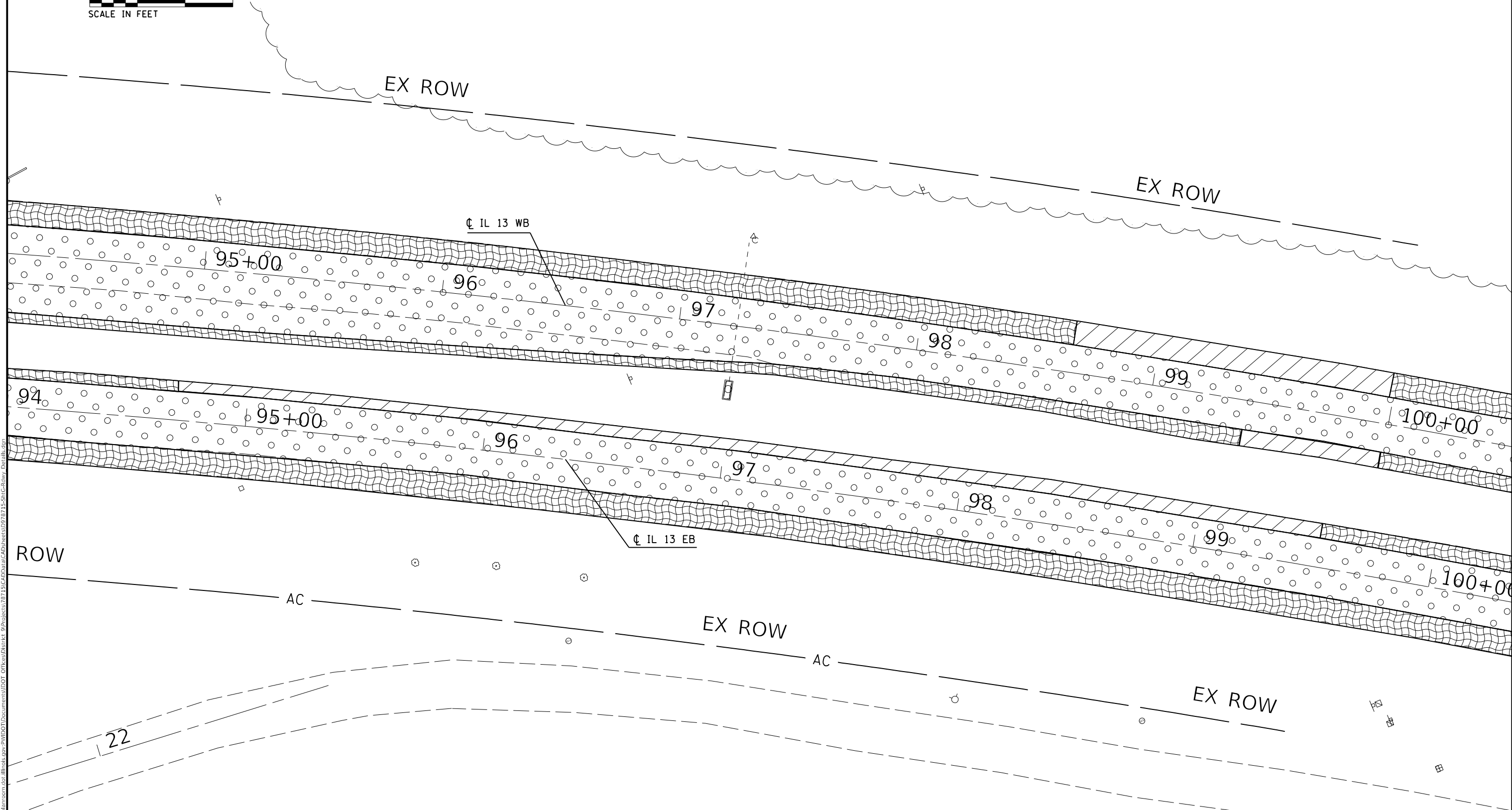
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

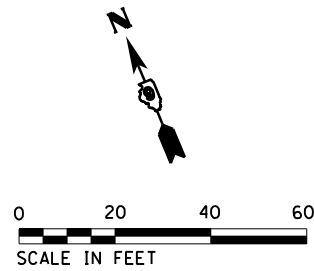


- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HMA SURFACE REMOVAL, 1 1/4"
- HMA SURFACE REMOVAL, 1/2"
- HMA SURFACE REMOVAL, VARIABLE DEPTH

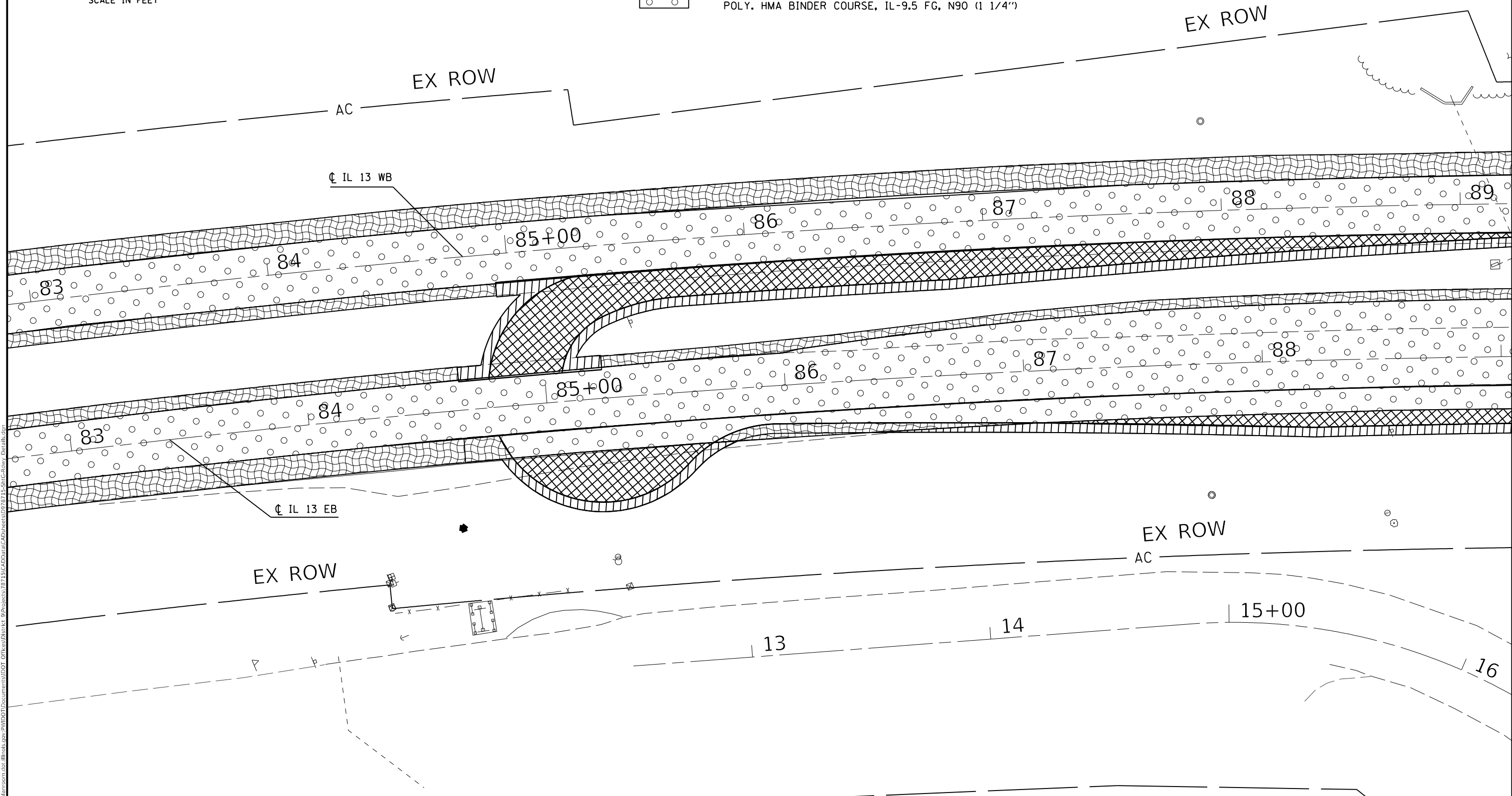


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SCALE: SHEET OF SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT		



- HMA PAVEMENT (FULL-DEPTH), 12"
SUBBASE GRANULAR MATERIAL, TY. A, 12"
- HMA SHOULDERS, 8"
SUBBASE GRANULAR MATERIAL, TY. A, 12"
SUBBASE GRANULAR MATERIAL, TY. C
- POLY. HMA SURFACE COURSE, IL-9.5, MIX "D", N90 (1 1/2")
POLY. HMA BINDER COURSE, IL-9.5 FG, N90 (1 1/4")
- HMA SHOULDERS (2")



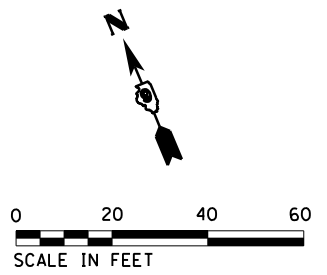
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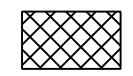
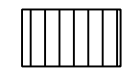
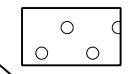

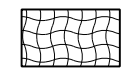

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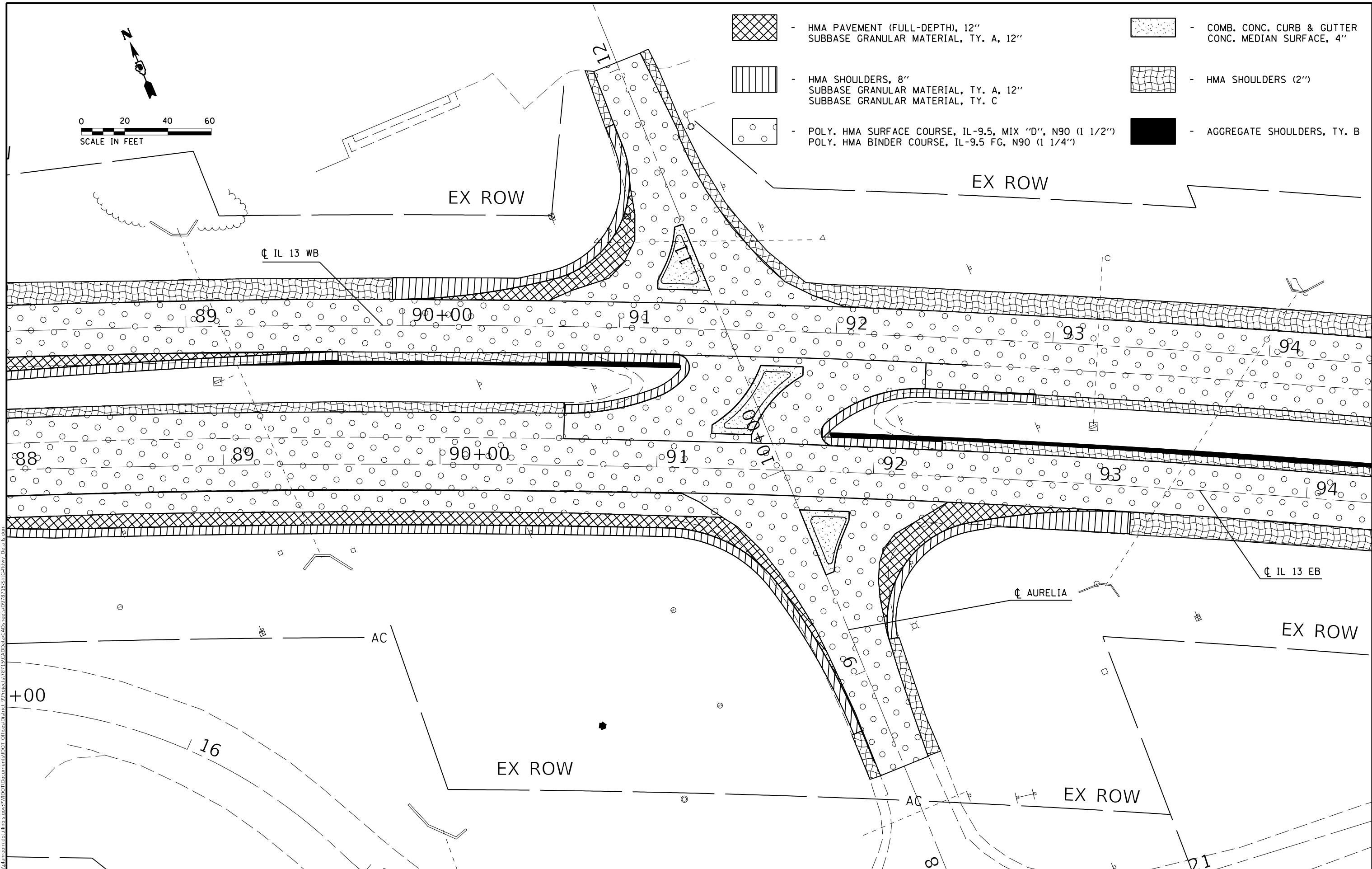
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	56
CONTRACT NO. 78715			ILLINOIS FED. AID PROJECT	



-  - HMA PAVEMENT (FULL-DEPTH), 12"
SUBBASE GRANULAR MATERIAL, TY. A, 12"
-  - HMA SHOULDERS, 8"
SUBBASE GRANULAR MATERIAL, TY. A, 12"
SUBBASE GRANULAR MATERIAL, TY. C
-  - POLY. HMA SURFACE COURSE, IL-9.5, MIX "D", N90 (1 1/2")
POLY. HMA BINDER COURSE, IL-9.5 FG, N90 (1 1/4")
-  - COMB. CONC. CURB & GUTTER
CONC. MEDIAN SURFACE, 4"
-  - HMA SHOULDERS (2")
-  - AGGREGATE SHOULDERS, TY. B



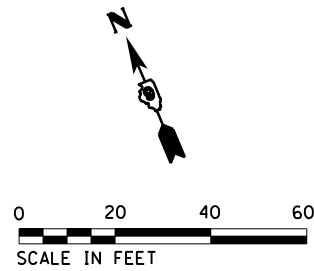
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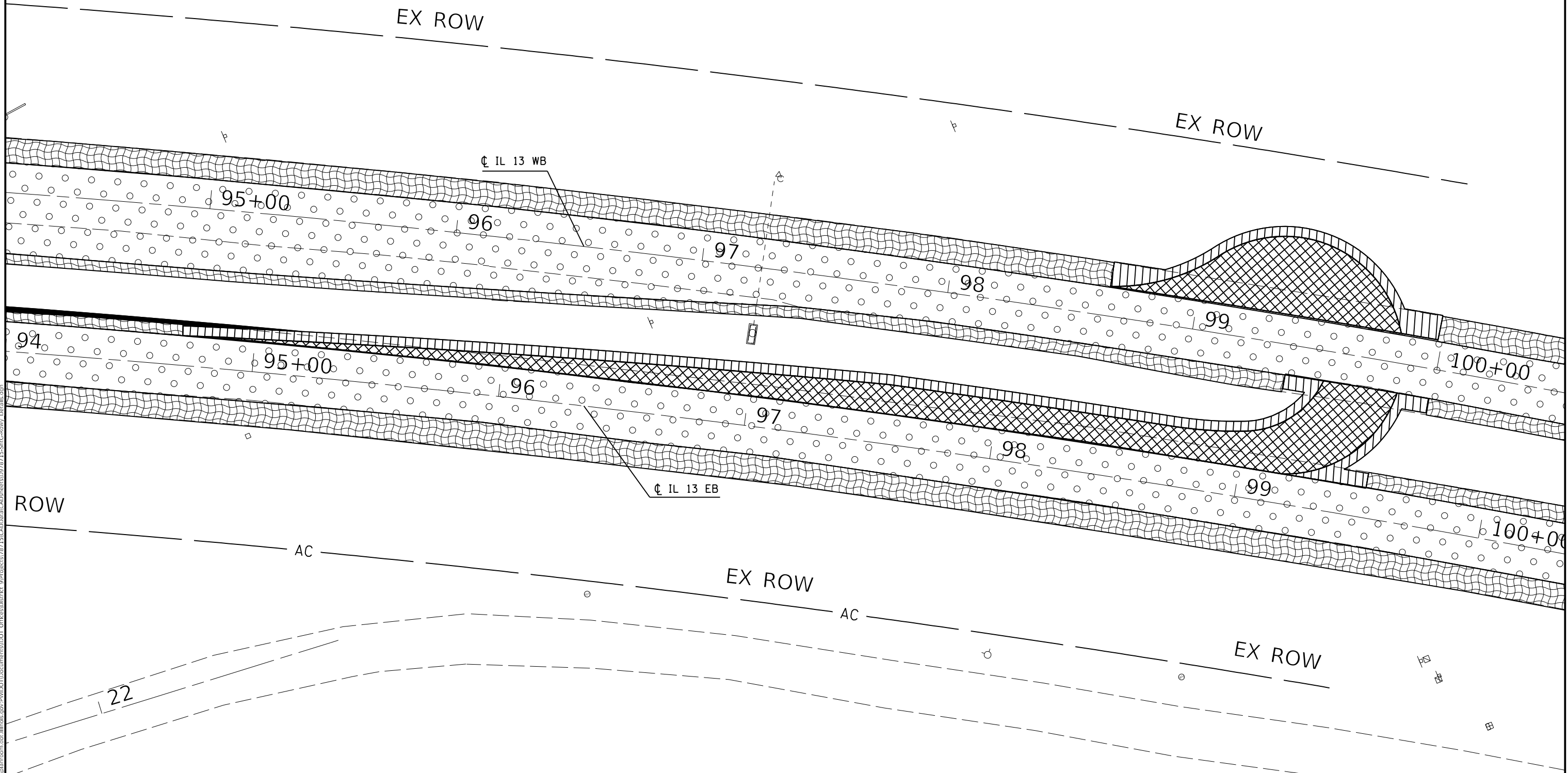
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	57
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				



- HMA PAVEMENT (FULL-DEPTH), 12"
SUBBASE GRANULAR MATERIAL, TY. A, 12"
- HMA SHOULDERS (2")
- HMA SHOULDERS, 8"
SUBBASE GRANULAR MATERIAL, TY. A, 12"
SUBBASE GRANULAR MATERIAL, TY. C
- AGGREGATE SHOULDERS, TY. B
- POLY. HMA SURFACE COURSE, IL-9.5, MIX "D", N90 (1 1/2")
POLY. HMA BINDER COURSE, IL-9.5 FG, N90 (1 1/4")



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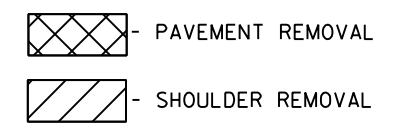
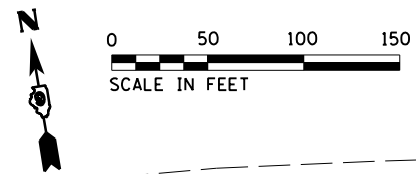
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

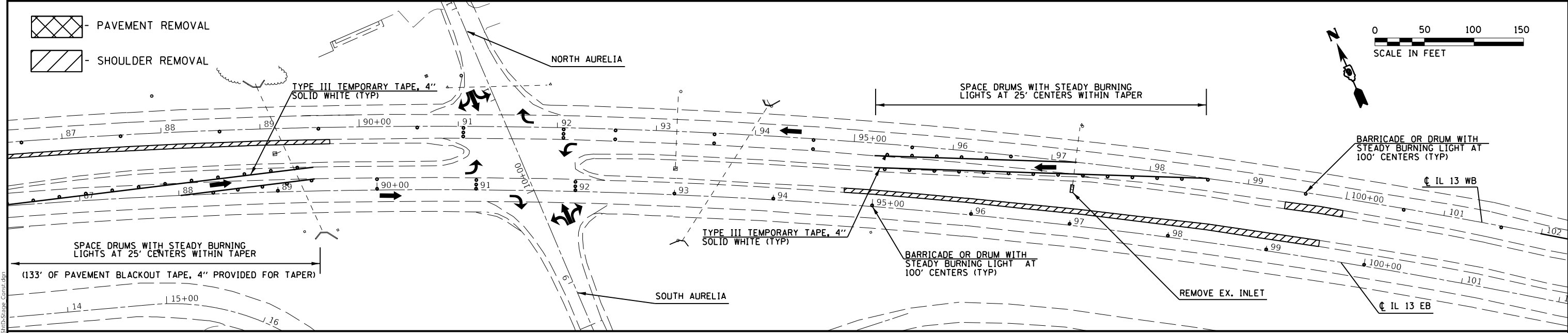
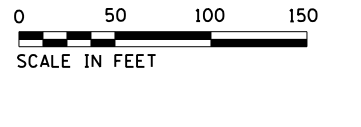
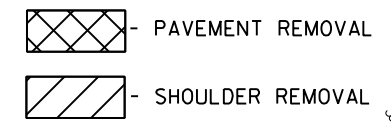
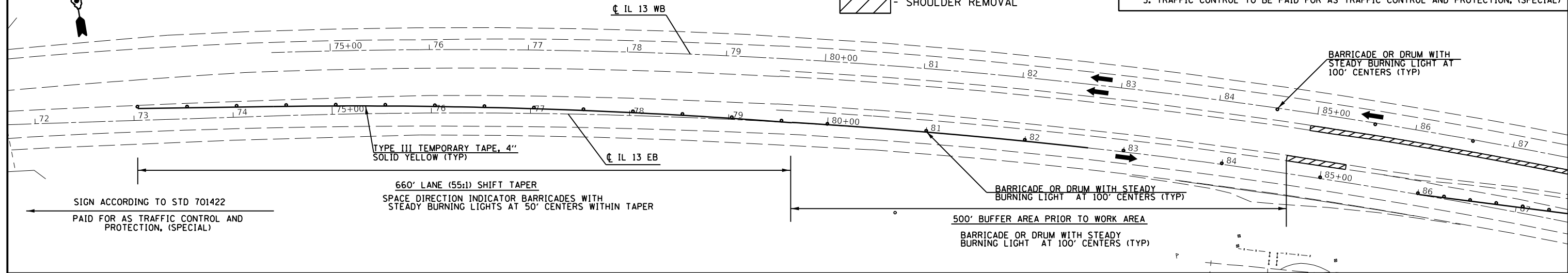
CONSTRUCTION SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	58
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78715	



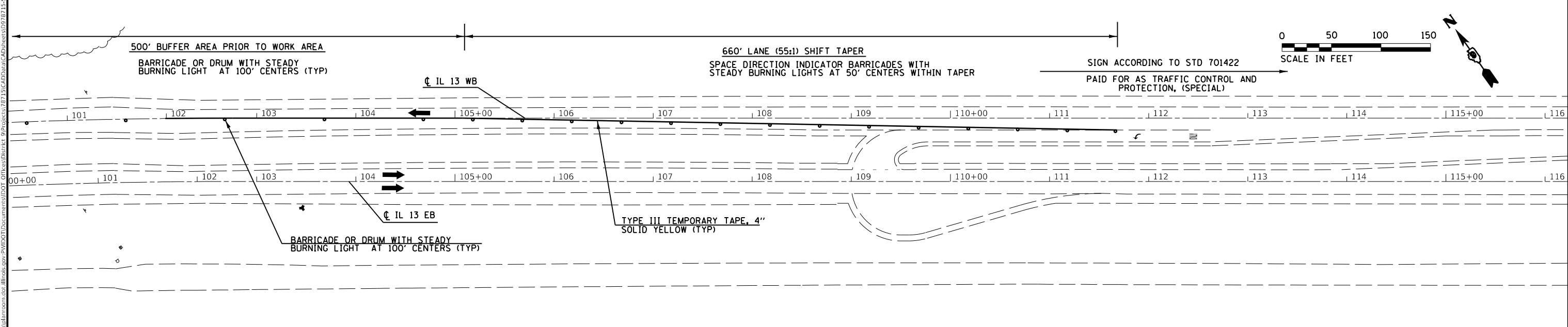
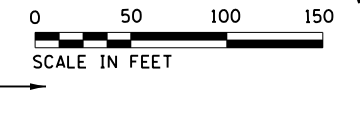
- STAGE 1 - REMOVAL**
1. SHIFT TRAFFIC TO OUTSIDE LANES OF EB AND WB IL 13
 2. REMOVE EXISTING SHOULDER AS SHOWN BELOW
 3. TRAFFIC CONTROL TO BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL)



500' BUFFER AREA PRIOR TO WORK AREA
BARRICADE OR DRUM WITH STEADY BURNING LIGHT AT 100' CENTERS (TYP)

660' LANE (55:1) SHIFT TAPER
SPACE DIRECTION INDICATOR BARRICADES WITH STEADY BURNING LIGHTS AT 50' CENTERS WITHIN TAPER

SIGN ACCORDING TO STD 701422
PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL)



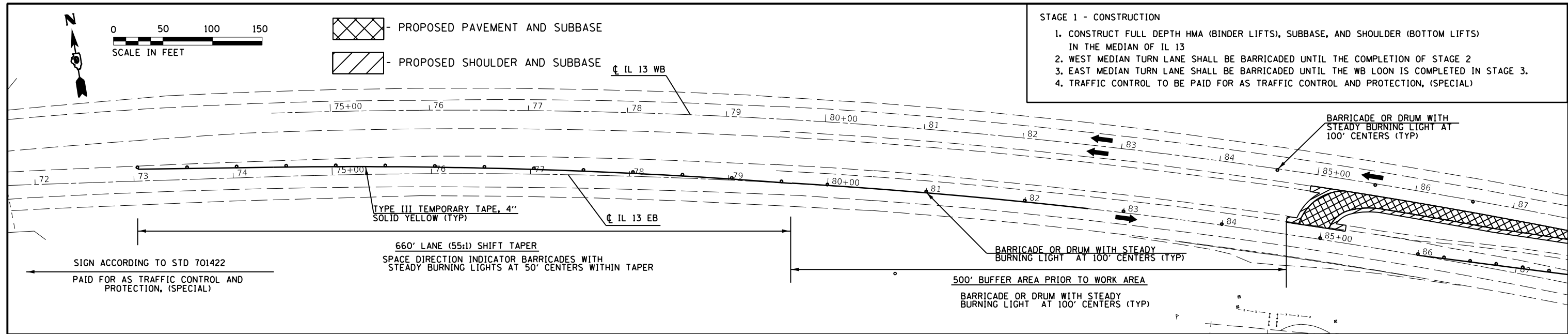
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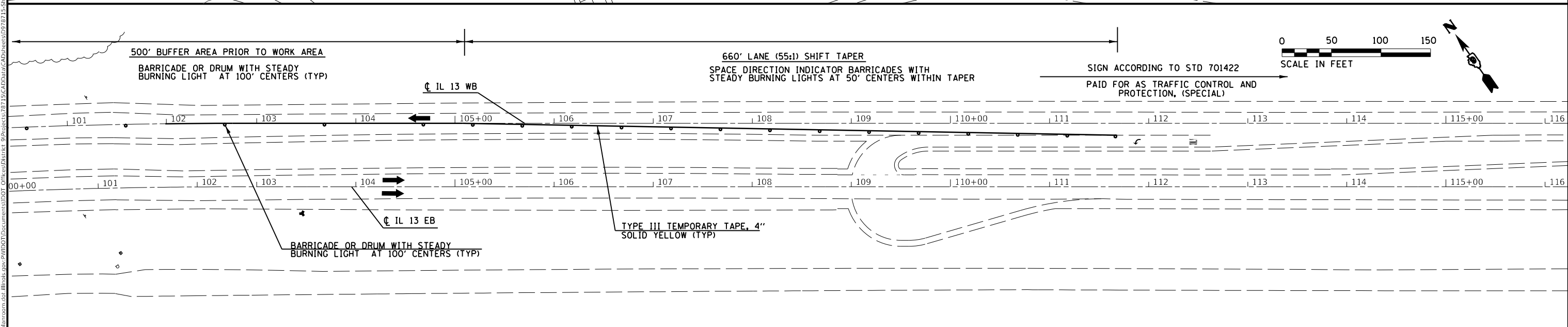
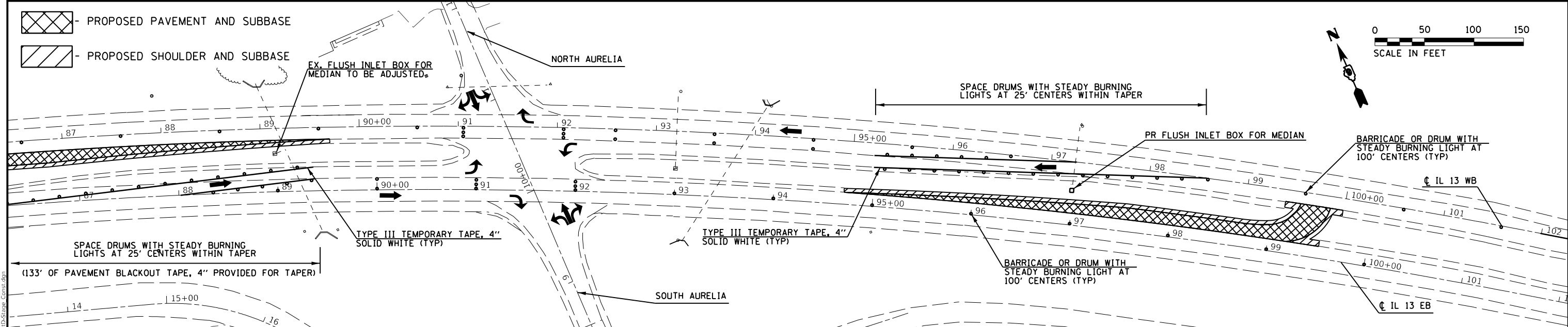
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	59
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				



- STAGE 1 - CONSTRUCTION**
1. CONSTRUCT FULL DEPTH HMA (BINDER LIFTS), SUBBASE, AND SHOULDER (BOTTOM LIFTS) IN THE MEDIAN OF IL 13
 2. WEST MEDIAN TURN LANE SHALL BE BARRICADED UNTIL THE COMPLETION OF STAGE 2
 3. EAST MEDIAN TURN LANE SHALL BE BARRICADED UNTIL THE WB LOON IS COMPLETED IN STAGE 3.
 4. TRAFFIC CONTROL TO BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL)



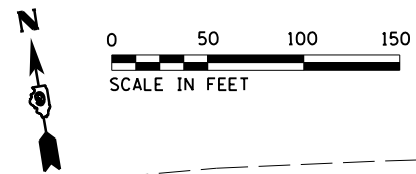
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

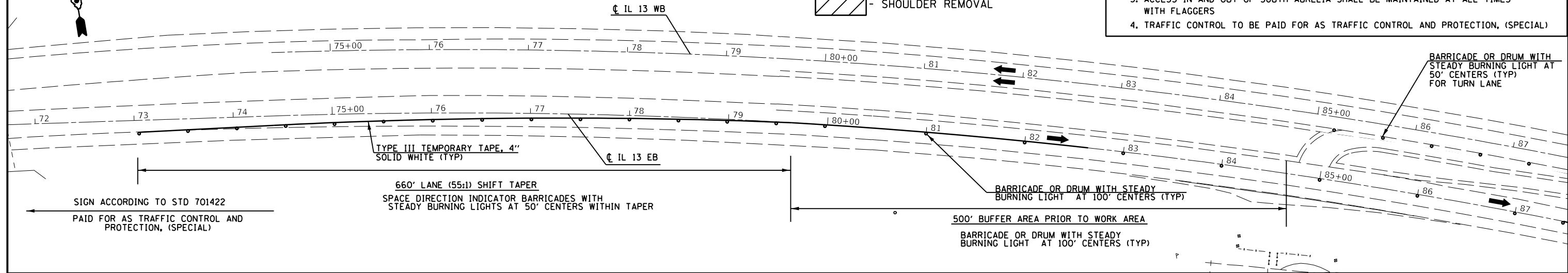
STAGE 1 CONSTRUCTION				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	60
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

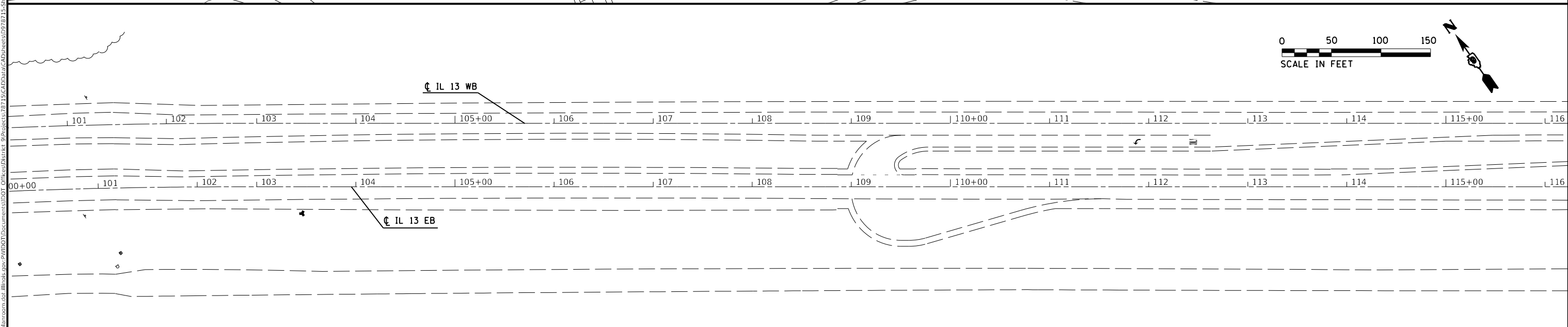
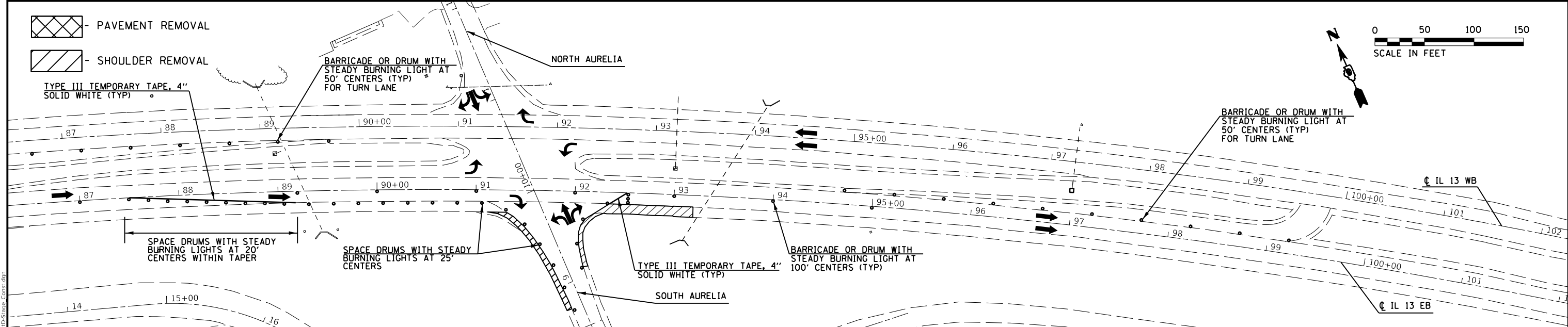


- PAVEMENT REMOVAL
 - SHOULDER REMOVAL

- STAGE 2 - REMOVAL**
1. SHIFT TRAFFIC TO INSIDE LANE OF IL 13 EB
 2. REMOVE EXISTING SHOULDER AS SHOWN BELOW
 3. ACCESS IN AND OUT OF SOUTH AURELIA SHALL BE MAINTAINED AT ALL TIMES WITH FLAGGERS
 4. TRAFFIC CONTROL TO BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL)



- PAVEMENT REMOVAL
 - SHOULDER REMOVAL
 TYPE III TEMPORARY TAPE, 4" SOLID WHITE (TYP)



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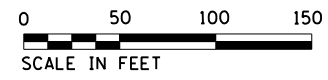
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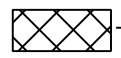
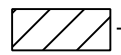
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 2 REMOVAL

SCALE: SHEET OF SHEETS STA. TO STA.

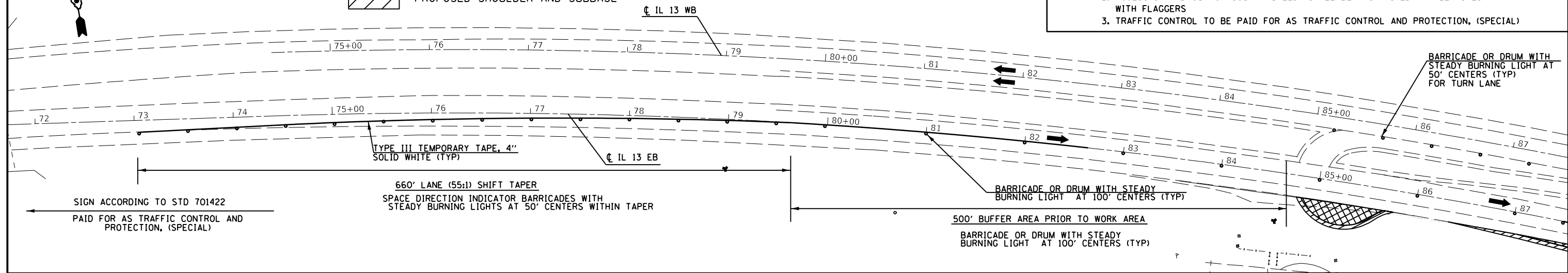
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	61
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				


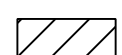


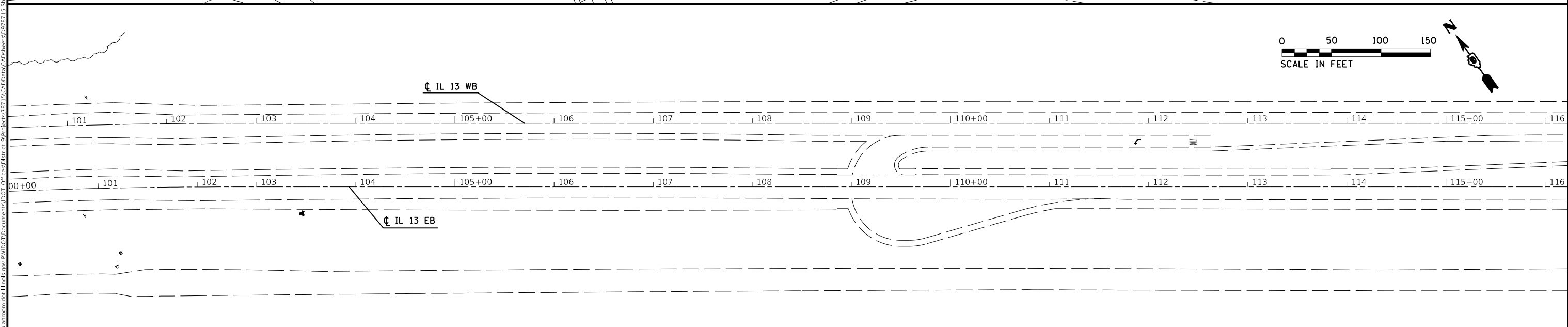
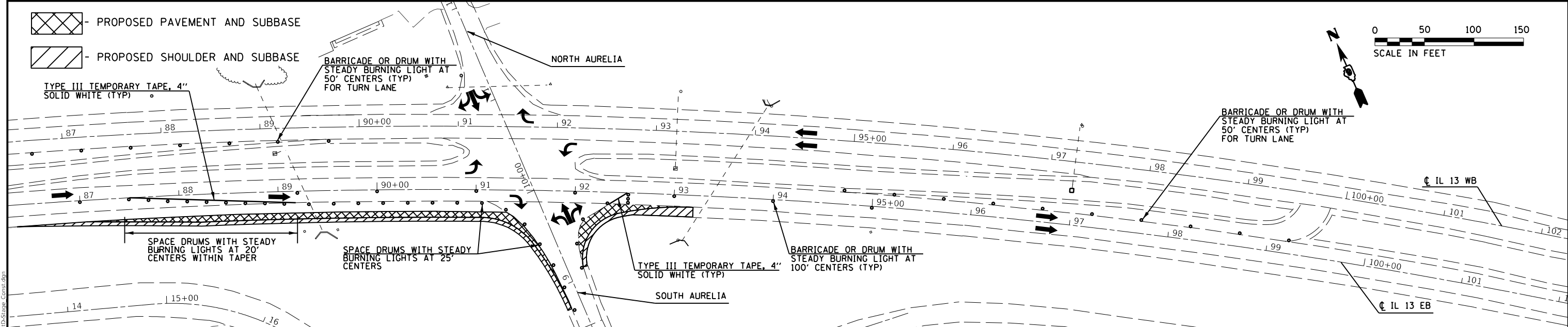
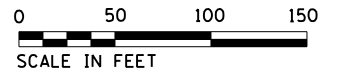
 PROPOSED PAVEMENT AND SUBBASE
 PROPOSED SHOULDER AND SUBBASE

STAGE 2 - CONSTRUCTION

1. CONSTRUCT FULL DEPTH HMA (BINDER LIFTS), SUBBASE, AND SHOULDER (BOTTOM LIFTS) FOR PROPOSED EASTBOUND RIGHT TURN LANE AND SOUTH AURELIA WIDENINGS.
2. ACCESS IN AND OUT OF SOUTH AURELIA SHALL BE MAINTAINED AT ALL TIMES WITH FLAGGERS
3. TRAFFIC CONTROL TO BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL)



 PROPOSED PAVEMENT AND SUBBASE
 PROPOSED SHOULDER AND SUBBASE



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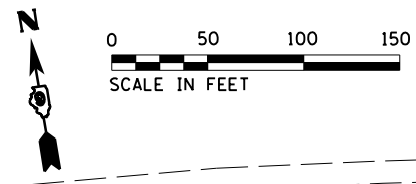
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

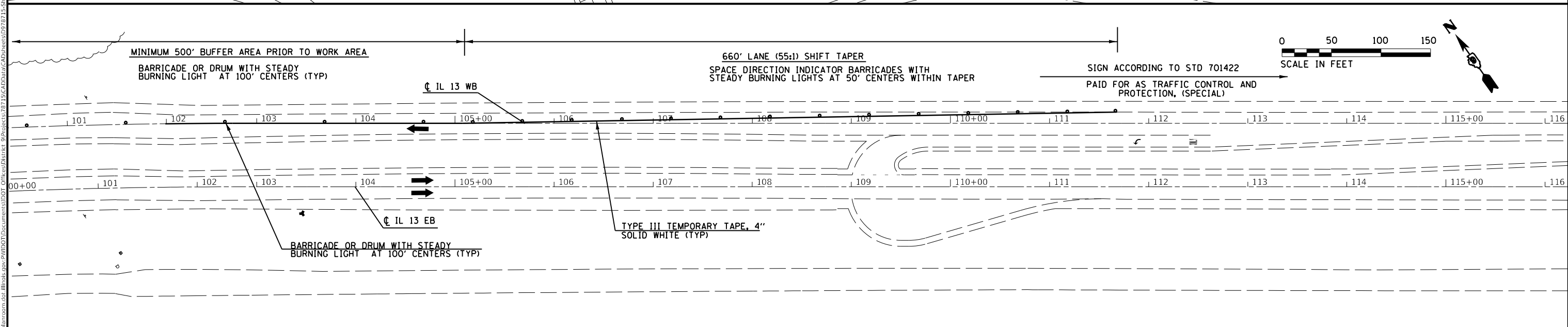
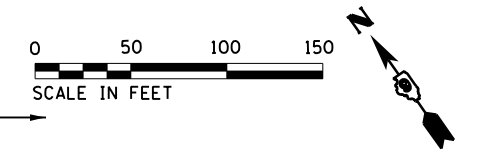
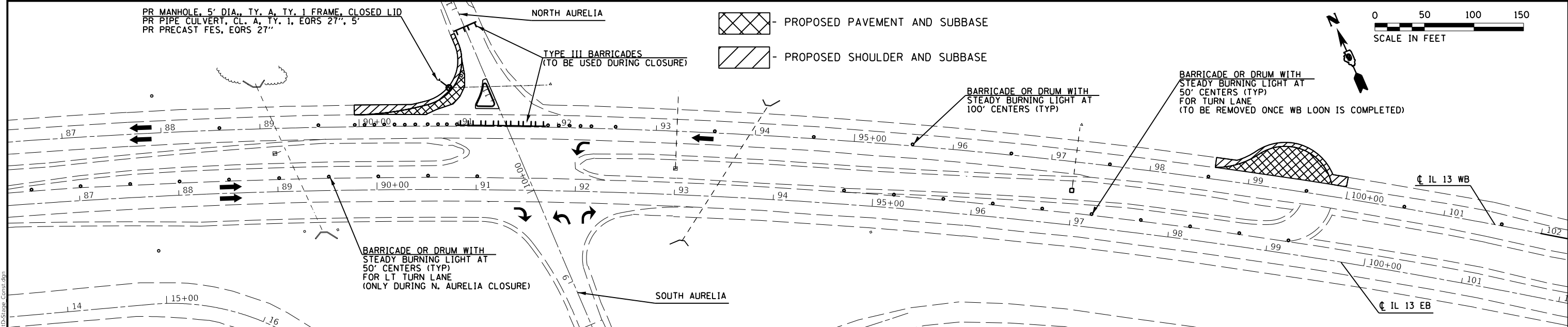
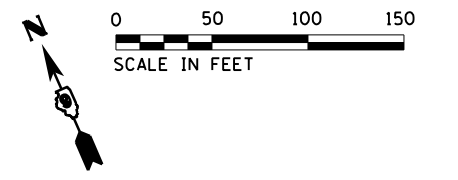
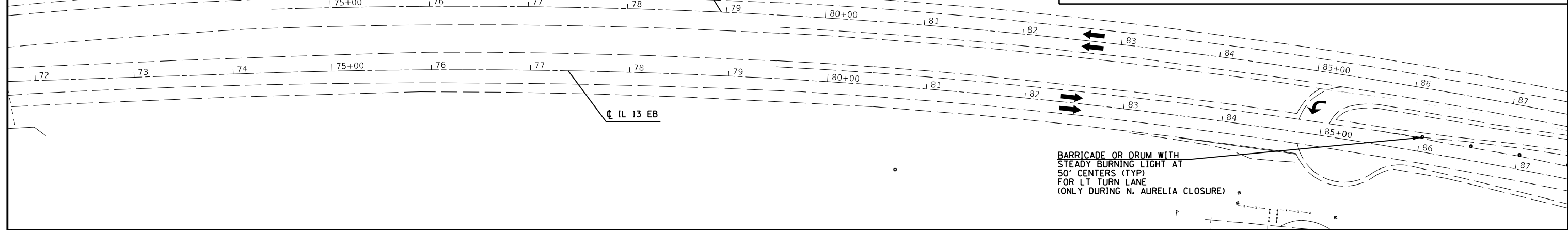
STAGE 2 CONSTRUCTION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	62
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				



- STAGE 3a - CONSTRUCTION**
1. CONSTRUCT FULL DEPTH HMA (BINDER LIFTS) AND SPLITTER ISLAND AS SHOWN BELOW
 2. CONSTRUCTION ON NORTH AURELIA SHALL BE DONE UNDER FULL CLOSURE
 3. THE CONTRACTOR WILL BE ALLOWED 3 FULL CLOSURE DAYS FOR ALL WORK ON NORTH AURELIA
 4. CLOSE NORTH AURELIA IN ACCORDANCE WITH BLR 21-9 (PAID FOR AS TRAFFIC CONTROL AND PROTECTION, SPECIAL)



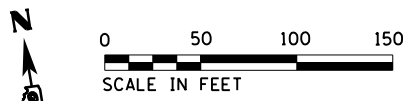
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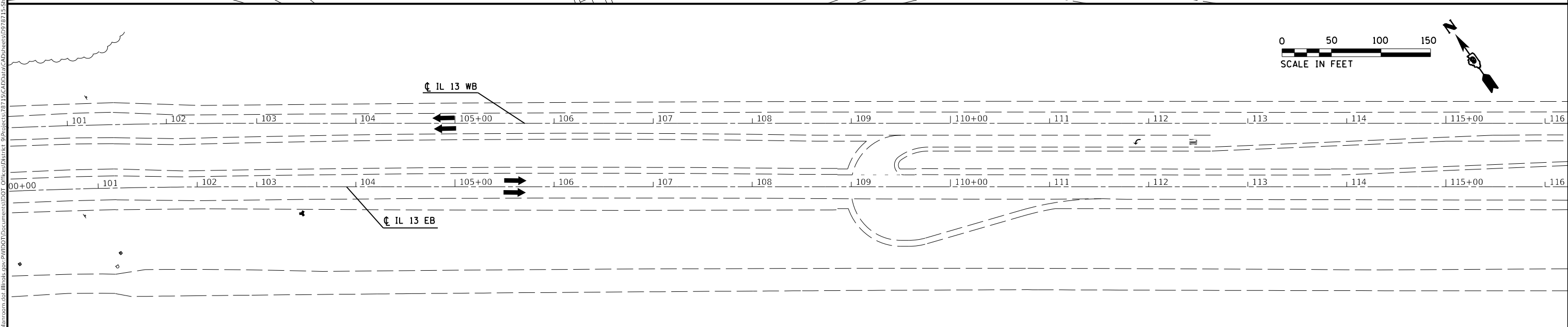
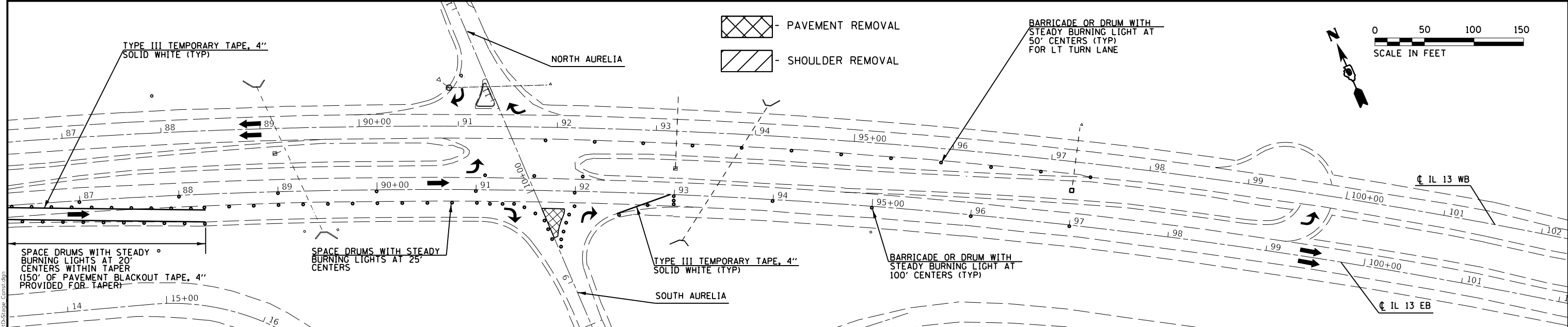
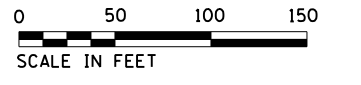
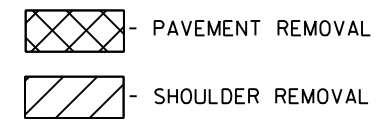
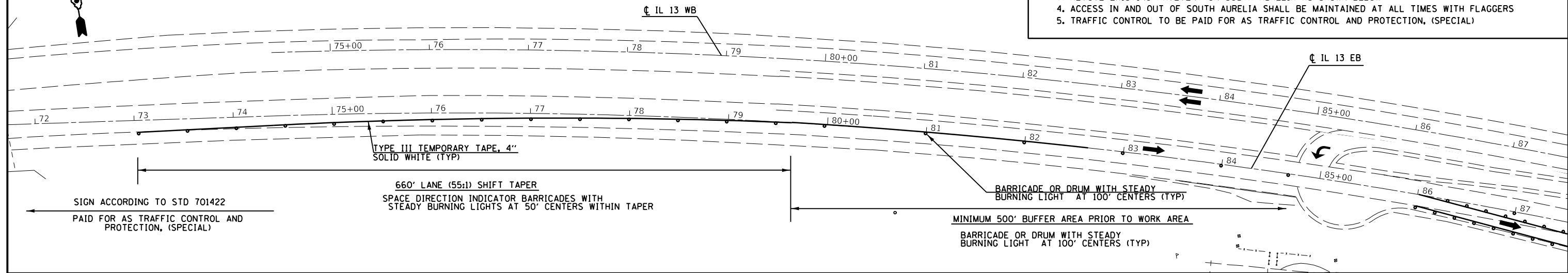
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 3a CONSTRUCTION				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	64
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				



- STAGE 3b - REMOVAL**
1. SHIFT TRAFFIC TO INSIDE LANE OF IL 13 EB
 2. CLOSE WB LEFT TURN LANE; NB MOVEMENTS RESTRICTED TO EB LEFT TURNS AND WB RIGHT TURNS
 3. REMOVE EXISTING PAVEMENT ON SOUTH AURELIA AS SHOWN BELOW
 4. ACCESS IN AND OUT OF SOUTH AURELIA SHALL BE MAINTAINED AT ALL TIMES WITH FLAGGERS
 5. TRAFFIC CONTROL TO BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL)



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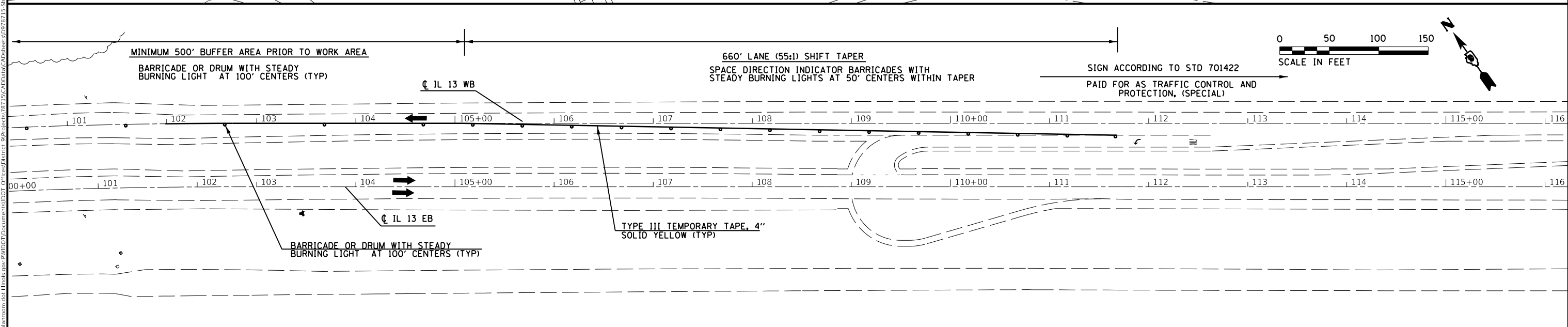
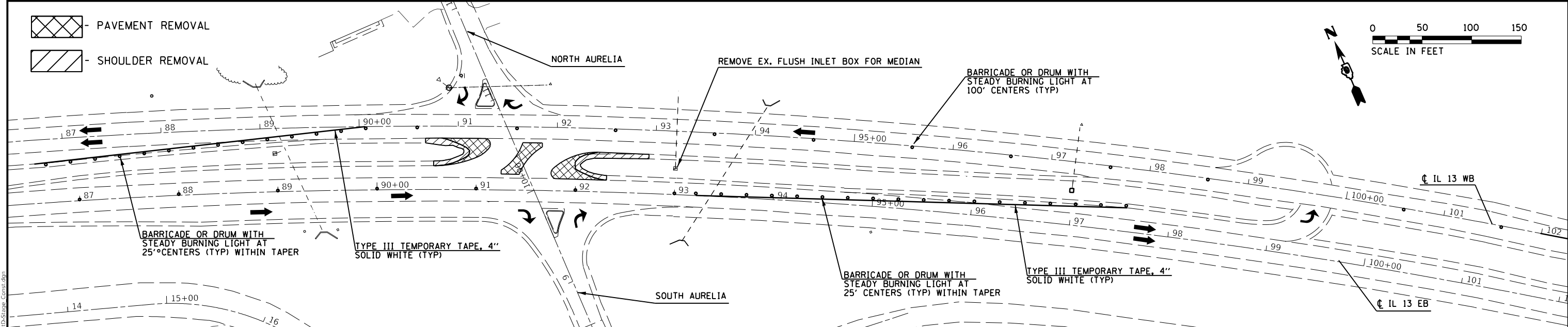
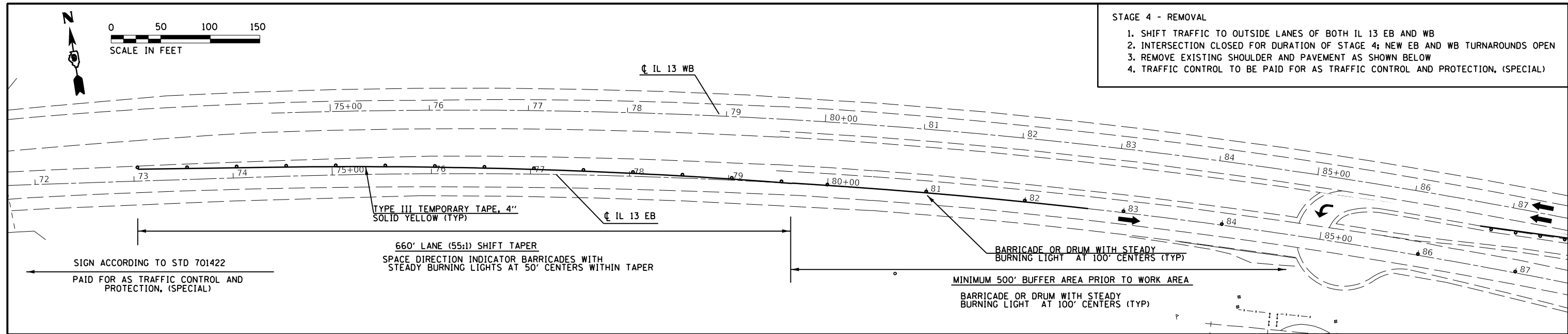
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 3b REMOVAL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	65
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

- STAGE 4 - REMOVAL**
1. SHIFT TRAFFIC TO OUTSIDE LANES OF BOTH IL 13 EB AND WB
 2. INTERSECTION CLOSED FOR DURATION OF STAGE 4; NEW EB AND WB TURNAROUNDS OPEN
 3. REMOVE EXISTING SHOULDER AND PAVEMENT AS SHOWN BELOW
 4. TRAFFIC CONTROL TO BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL)



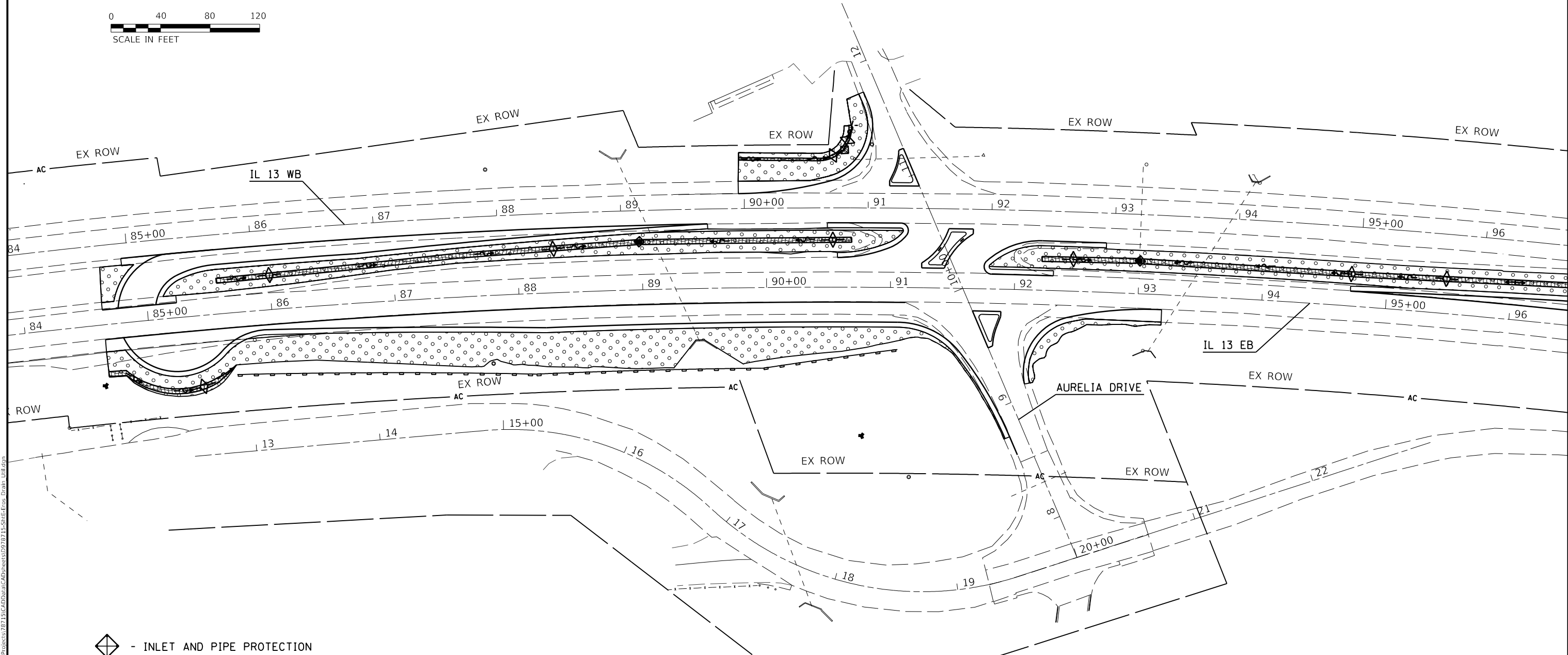
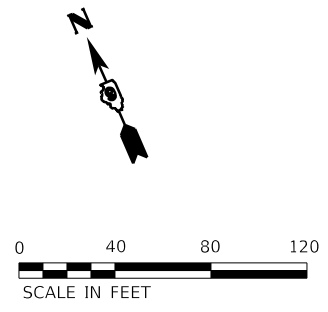
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	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 4 REMOVAL				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	67
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				



- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- SEEDING CLASS 1B; SEEDING CLASS 7
- EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER

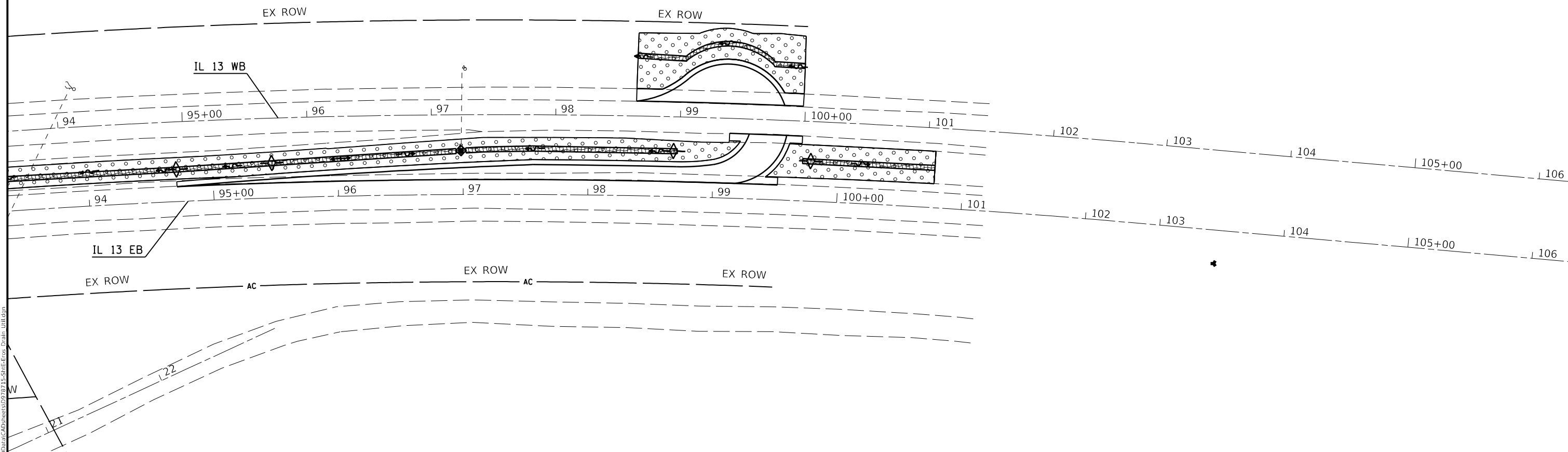
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


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	DATE -	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2, R5-3	WILLIAMSON	150	69
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				



-  - INLET AND PIPE PROTECTION
-  - TEMPORARY DITCH CHECKS
-  - SEEDING CLASS 1B; SEEDING CLASS 7
-  - EROSION CONTROL BLANKET

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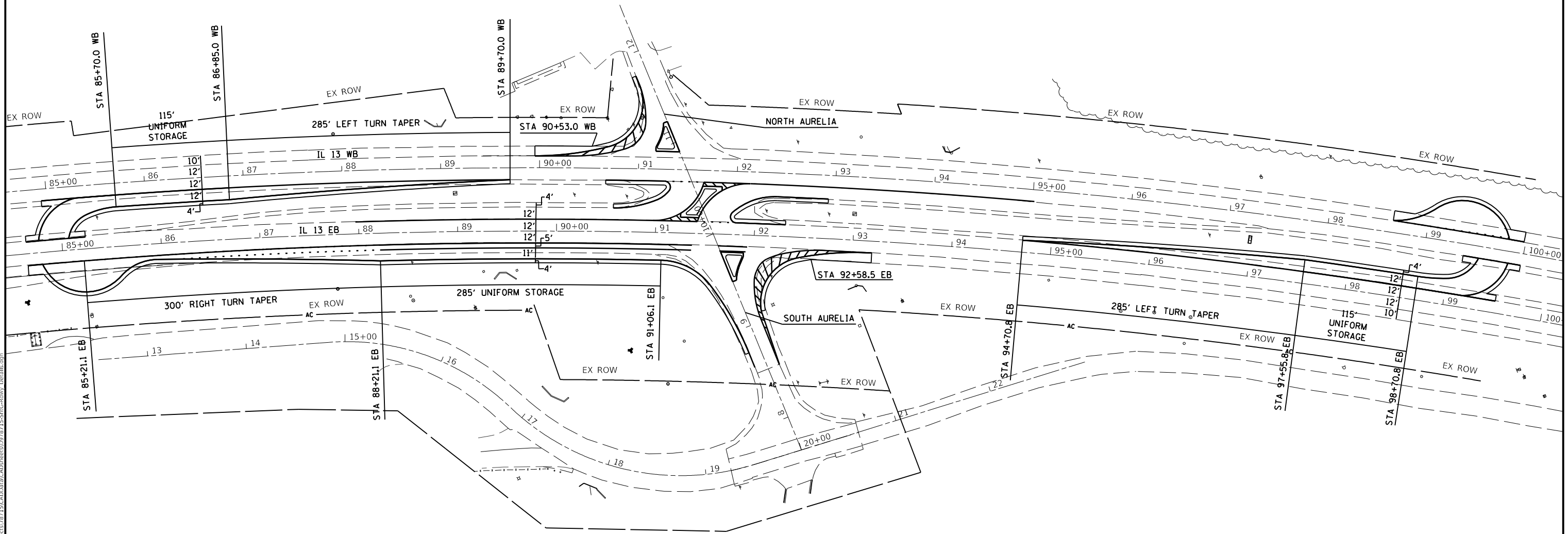
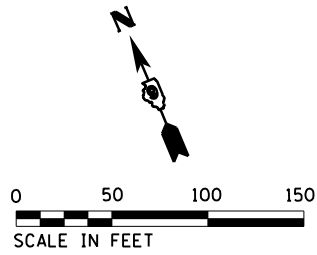
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2, RS-3	WILLIAMSON	150	70
CONTRACT NO. 78715			ILLINOIS FED. AID PROJECT	



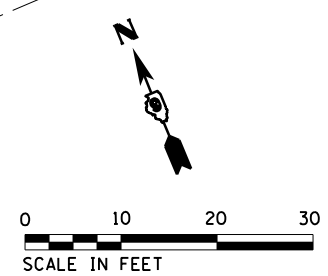
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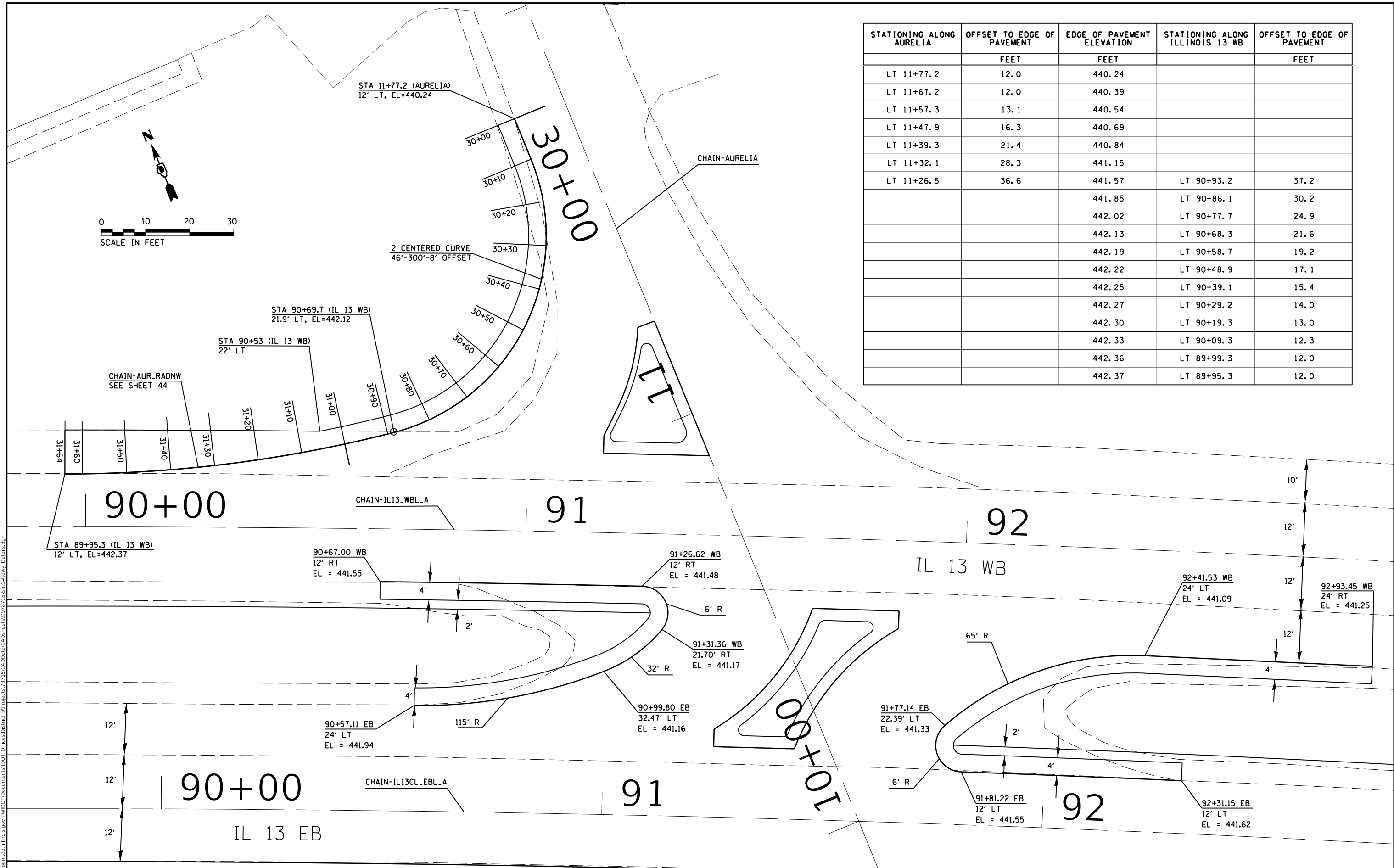
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA.	TO STA.																			
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																					
331	(6-1)N-2,RS-3	WILLIAMSON	150	71																					
CONTRACT NO. 78715																									
ILLINOIS FED. AID PROJECT																									

GEOMETRICS



STATIONING ALONG AURELIA	OFFSET TO EDGE OF PAVEMENT	EDGE OF PAVEMENT ELEVATION	STATIONING ALONG ILLINOIS 13 WB	OFFSET TO EDGE OF PAVEMENT
	FEET	FEET		FEET
LT 11+77.2	12.0	440.24		
LT 11+67.2	12.0	440.39		
LT 11+57.3	13.1	440.54		
LT 11+47.9	16.3	440.69		
LT 11+39.3	21.4	440.84		
LT 11+32.1	28.3	441.15		
LT 11+26.5	36.6	441.57	LT 90+93.2	37.2
		441.85	LT 90+86.1	30.2
		442.02	LT 90+77.7	24.9
		442.13	LT 90+68.3	21.6
		442.19	LT 90+58.7	19.2
		442.22	LT 90+48.9	17.1
		442.25	LT 90+39.1	15.4
		442.27	LT 90+29.2	14.0
		442.30	LT 90+19.3	13.0
		442.33	LT 90+09.3	12.3
		442.36	LT 89+99.3	12.0
		442.37	LT 89+95.3	12.0



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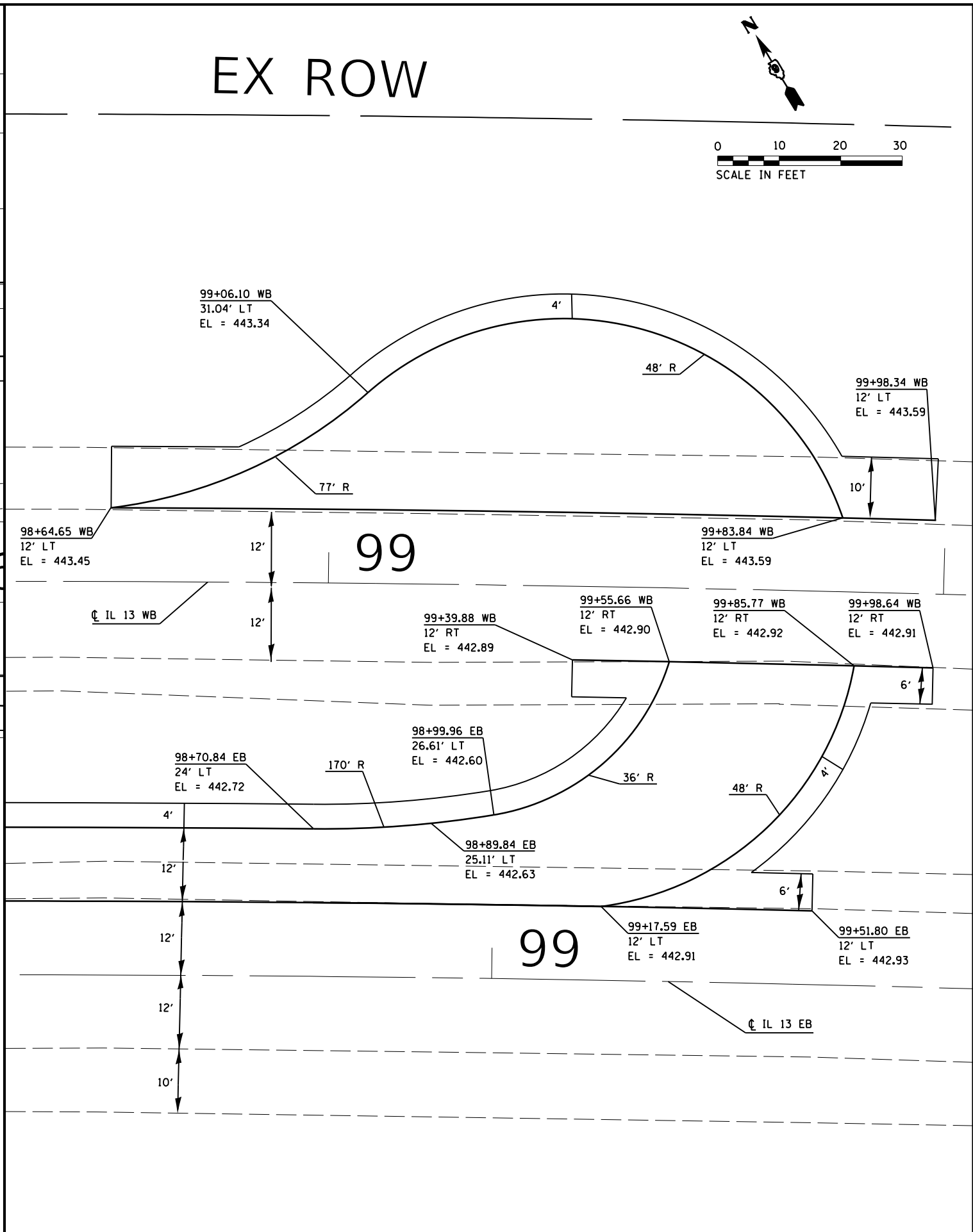
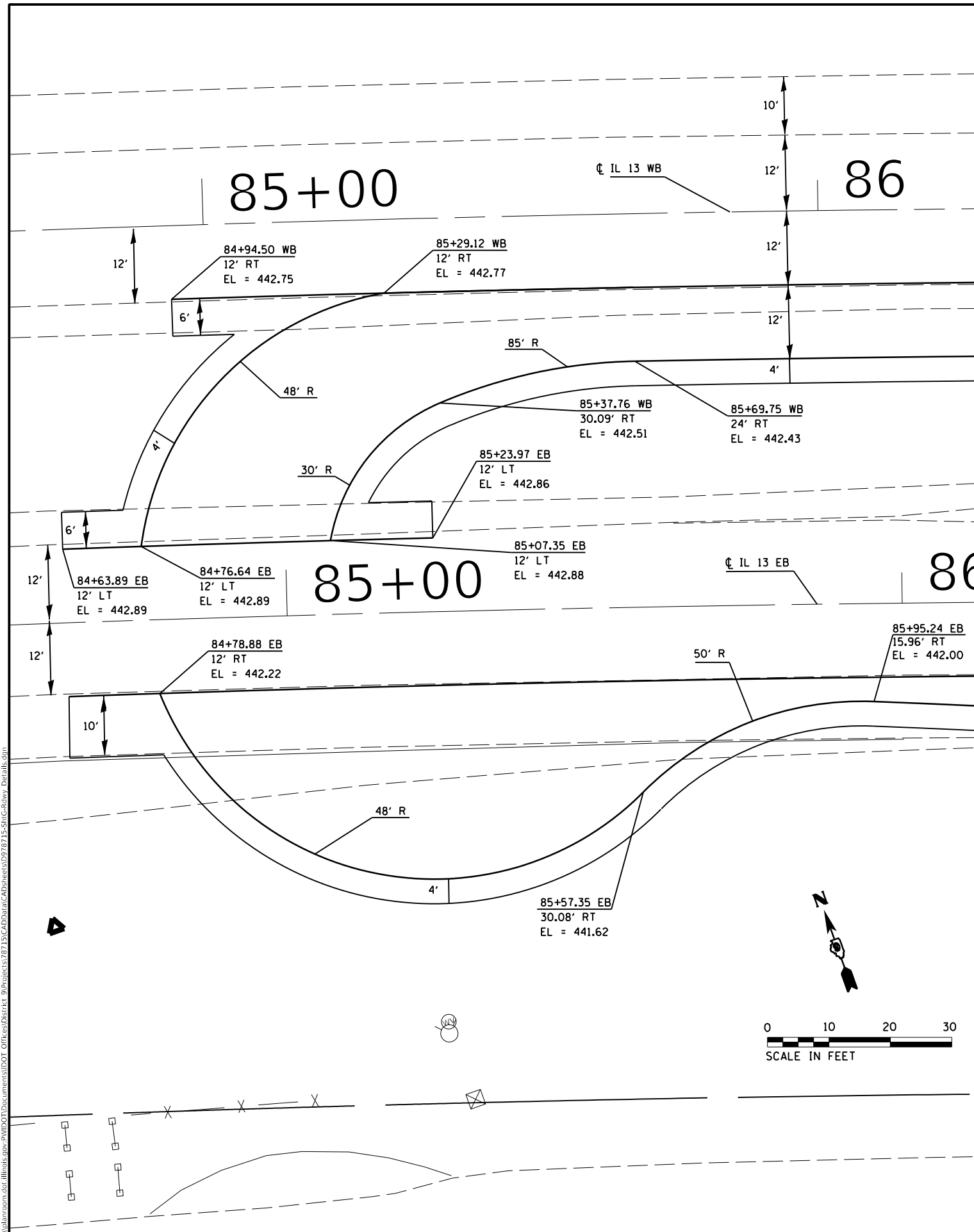
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

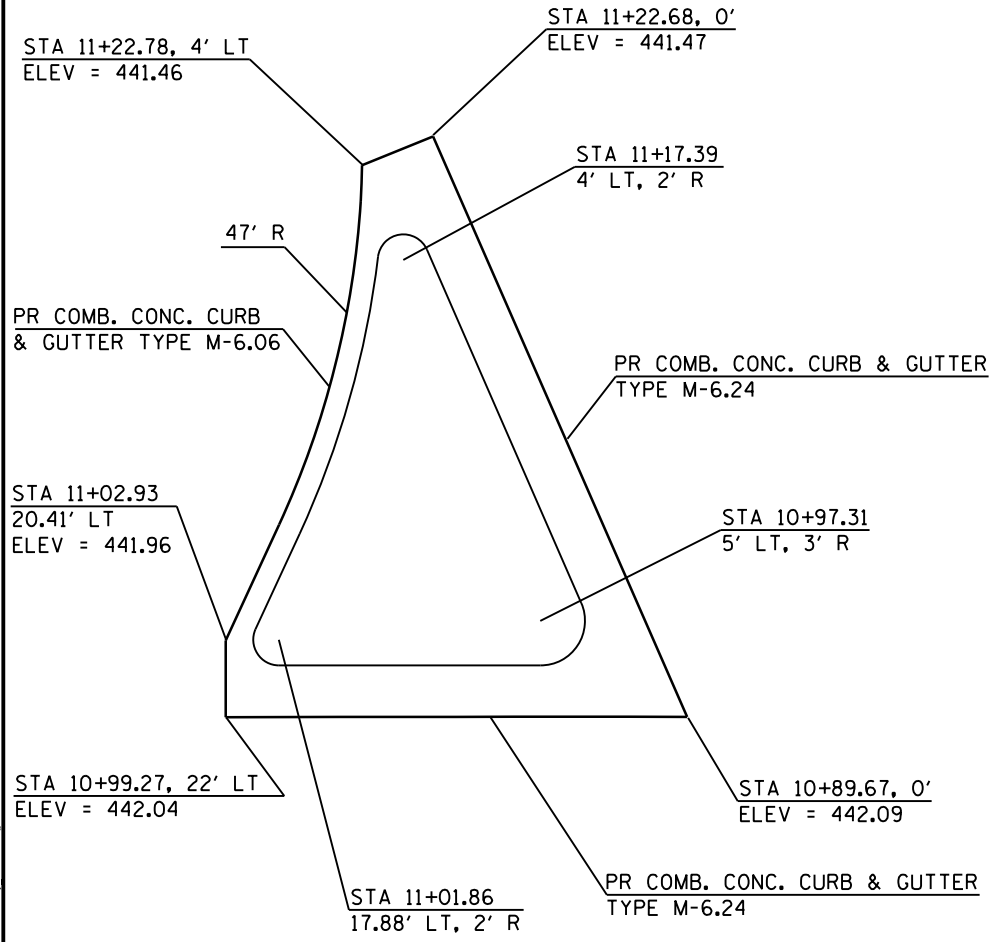
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NORTH AURELIA AND MEDIAN NOSES			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	72
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

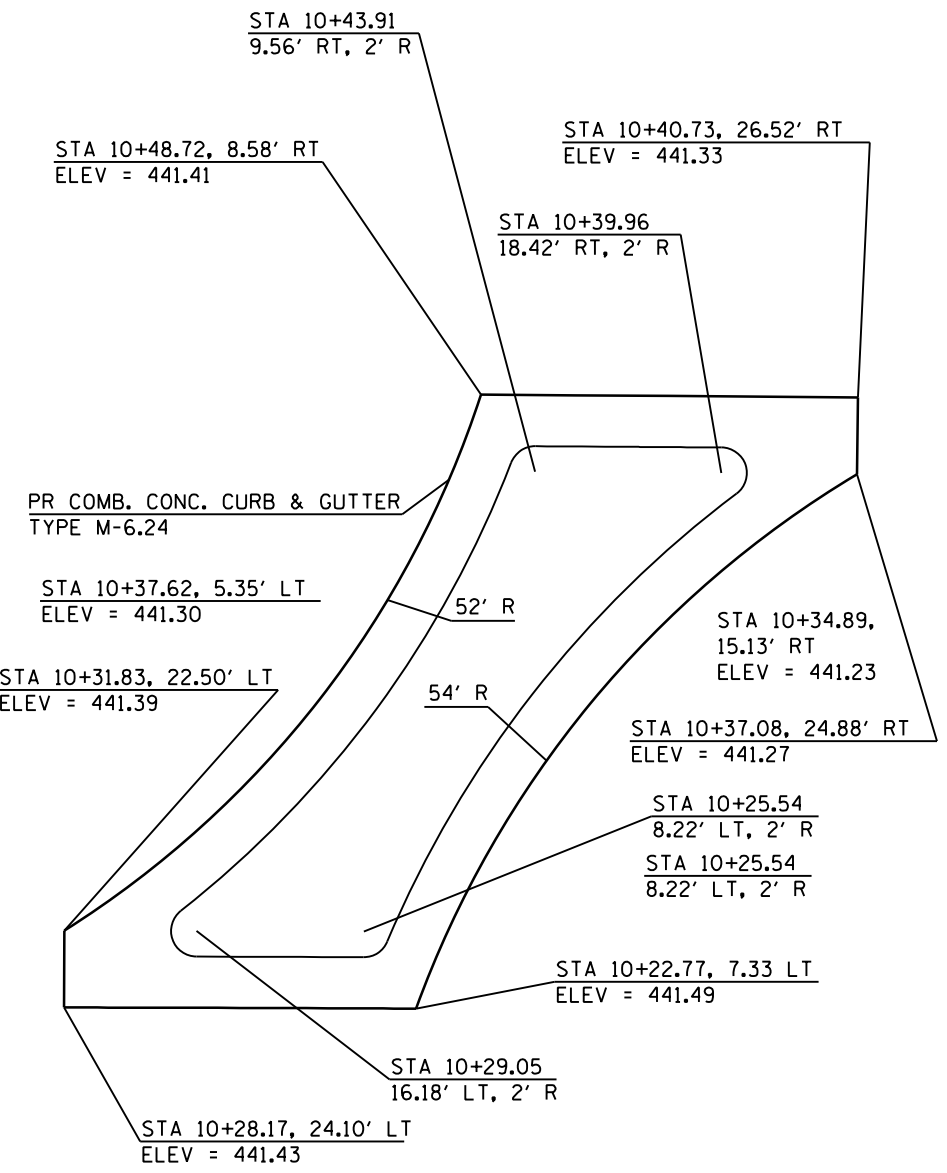
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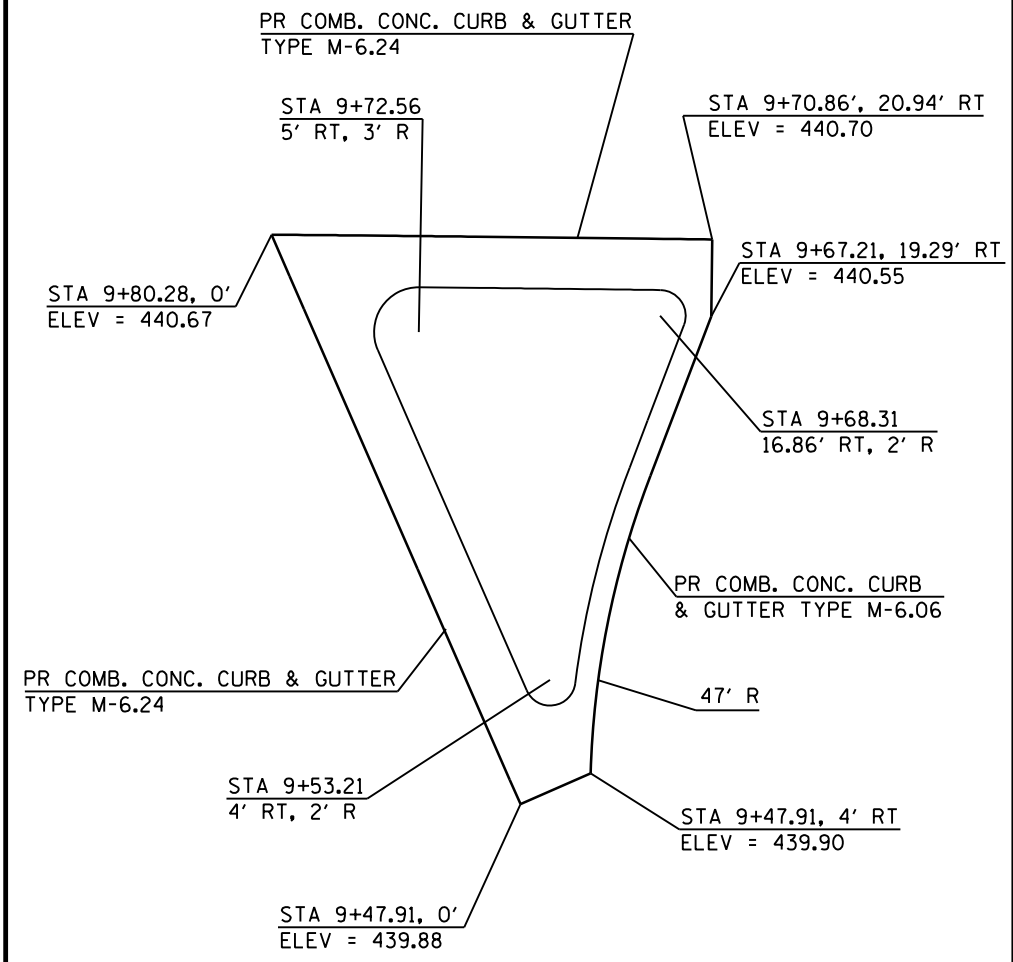
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PLOT DATE = 12/11/2019 DATE -		DATE -								SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT			



NORTH AURELIA



IL 13 / AURELIA INTERSECTION



SOUTH AURELIA

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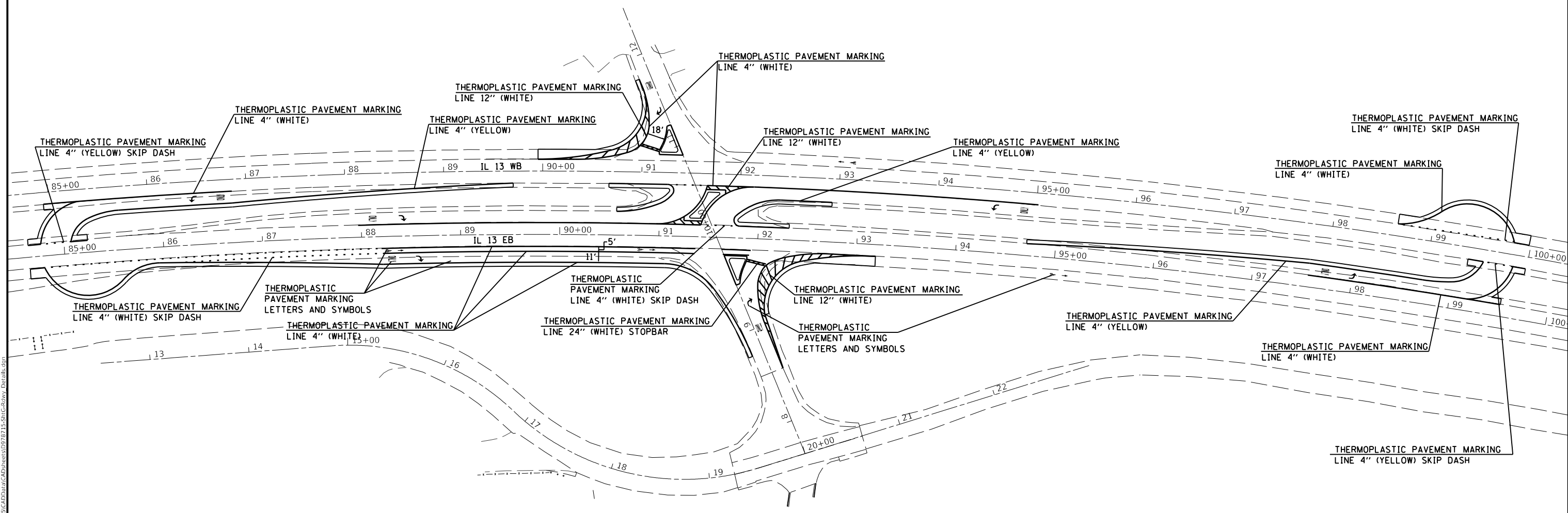
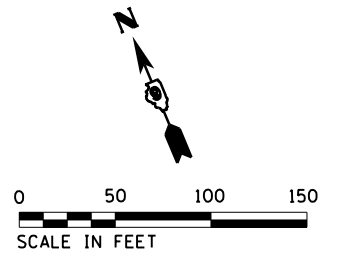
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET		OF		SHEETS		STA.	TO STA.

INTERSECTION DETAIL
ISLANDS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	75
CONTRACT NO. 78715			ILLINOIS FED. AID PROJECT	



NOTE: ALL SKIP DASH PAVEMENT MARKINGS SHOWN ARE 3' DASH, 9' GAP.

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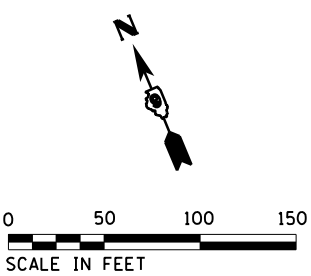
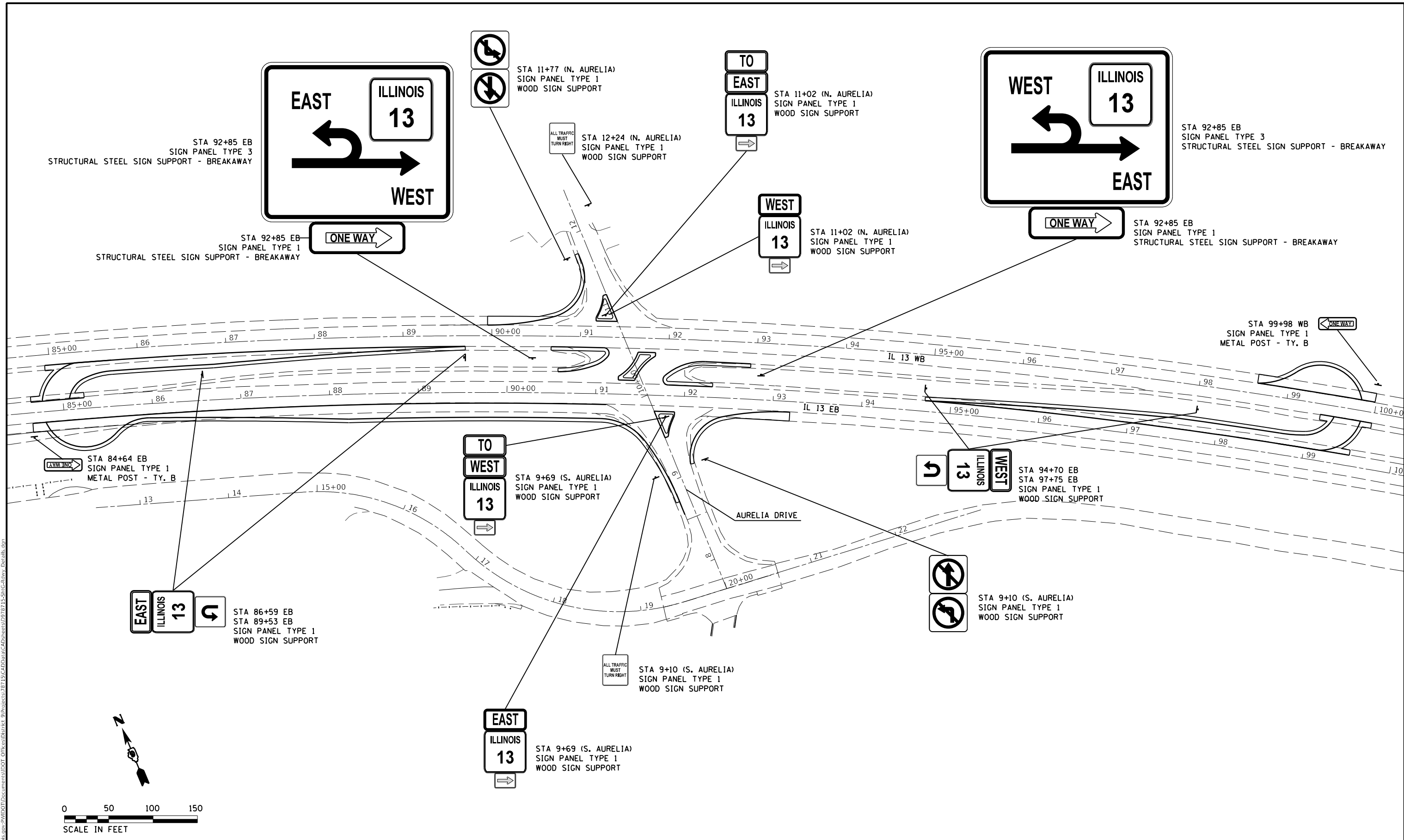
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RCUT PAVEMENT MARKING				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	76
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

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 DATE: 12/11/2019



NOTE: STRUCTURAL STEEL SIGN SUPPORTS FOR SIGN PANEL TYPE 3 SHALL BE OMNI-DIRECTIONAL.

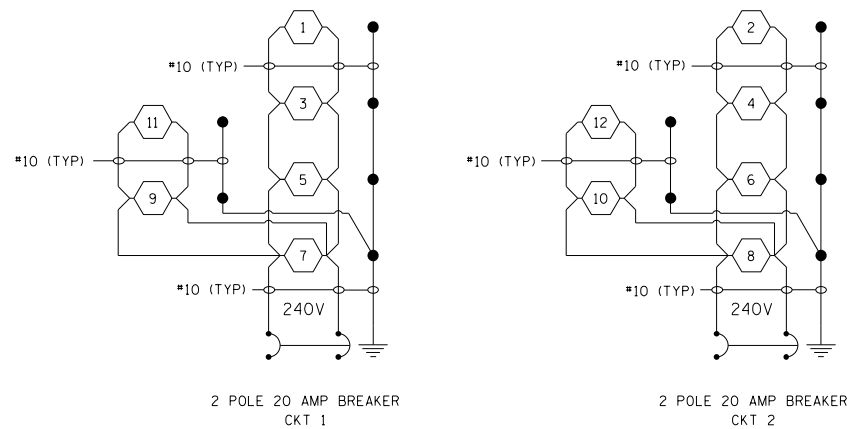
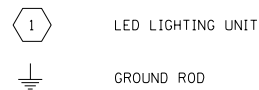
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	CHECKED - DATE -	REVISED - REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 78715				

LEGEND

- PROPOSED ELECTRIC SERVICE, 120/240V
- ☒ PROPOSED LIGHTING CONTROLLER, 240V, 60A
- PROPOSED LIGHTING UNIT, LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H, 50 FT ALUMINUM POLE, 15 FT DAVIT ARM, METAL FOUNDATION, BREAKAWAY COUPLINGS WITH SS SCREEN
- - - - PROPOSED UNIT DUCT, 600V, 2-1/C NO. 10, 1/C NO. 10 GROUND (XLP-TYPE USE 2), 3/4" DIA. POLYETHYLENE
- ==== PROPOSED COILABLE NONMETALLIC CONDUIT 2" DIA. LENGTH AS NOTED

NOTES:

- ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.



LIGHTING CONTROLLER 1

Luminaire Performance Table

Project

Date	Contract Number	Section Number	County
10/3/19	78715	N/A	WILLIAMSON
Marked Route Number		Municipality	
IL 13 AT AURELLA DR		MARION	

Roadway

Lane Width	# of Lanes	Median Width	I.E.S Surface Classification	O-Zero Value
12 FT	3	40 FT	R3	0,07

Structure

Mounting Height	Arm Length	Set Back	Number of Luminaires (Highmast & Sign Lighting Only)
50 FT	15 FT	20 FT	N/A

Luminaire

Description	I.E.S. Lateral Distribution	I.E.S. Vertical Distribution	
ROADWAY, OUTPUT DESIGNATION H	TYPE III	MEDIUM	
Total Light Loss Factor (LLF)	BUG Rating	Shields	Dimming Protocol
0,684	U = 0	N/A	0-10V

Layout

Spacing (to Nearest 5 Ft) Configuration (Opposite, Staggered, 1 Sided, or Median)
210 FT STAGGERED

Performance

Average Illuminance, E_{AVE} (fc)	Uniformity Ratio, E_{AVE}/E		
0,9	3,0:1		
Average Luminance, L_{AVE} (cd/m ²)	Uniformity Ratio, L_{AVE}/L_{MIN}	Uniformity Ratio, L_{MAX}/L_{MIN}	Veiling Luminance Ratio, L_V/L_{MIN}
0,6	3,50:1	6,00:1	0,30:1

Light Trespass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E_{MIN} (fc)	Max. Vertical Illuminance at ROW, E_{MIN} (fc)
40 FT	0,2	0,2

Notes

- Set Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire.
- Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to roadway.
- Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0,9, "Dirt Depreciation" (LDD) = 0,8, and "Equipment Factors" (EF) = 0,95.
- Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions above.

PHOTOMETRIC CALCULATIONS TO BE PERFORMED WITH THREE LANES IN EACH DIRECTION.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LEGEND, WIRING DIAGRAM
LUMINAIRE PERFORMANCE TABLE

SCALE: NTS SHEET OF SHEETS STA. TO STA.

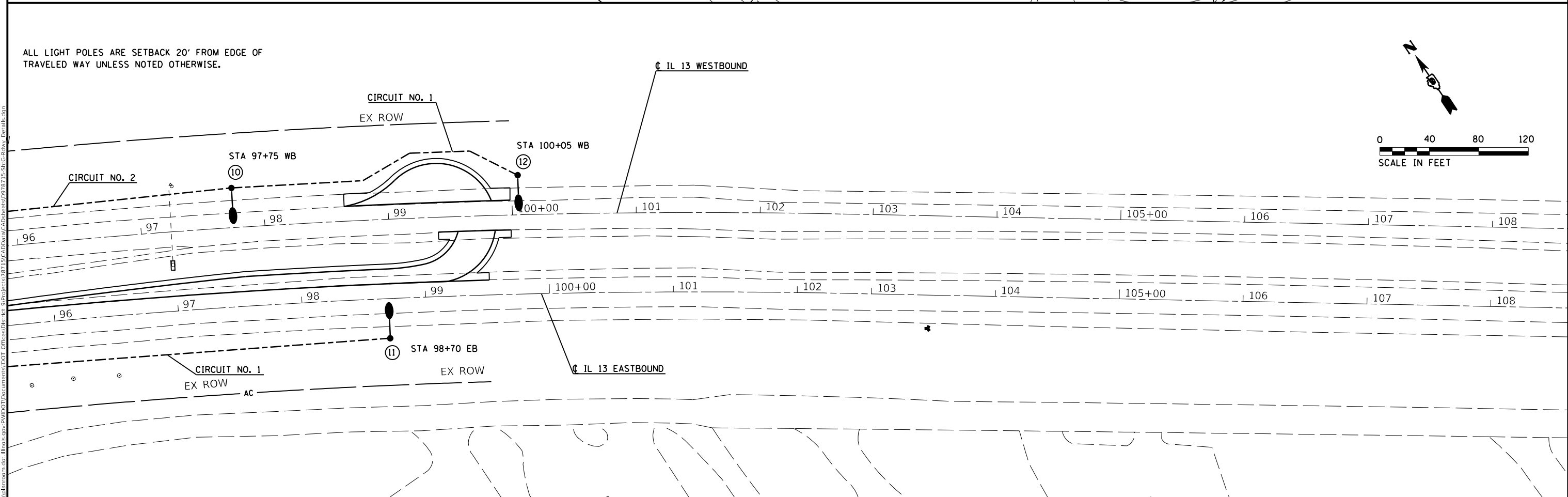
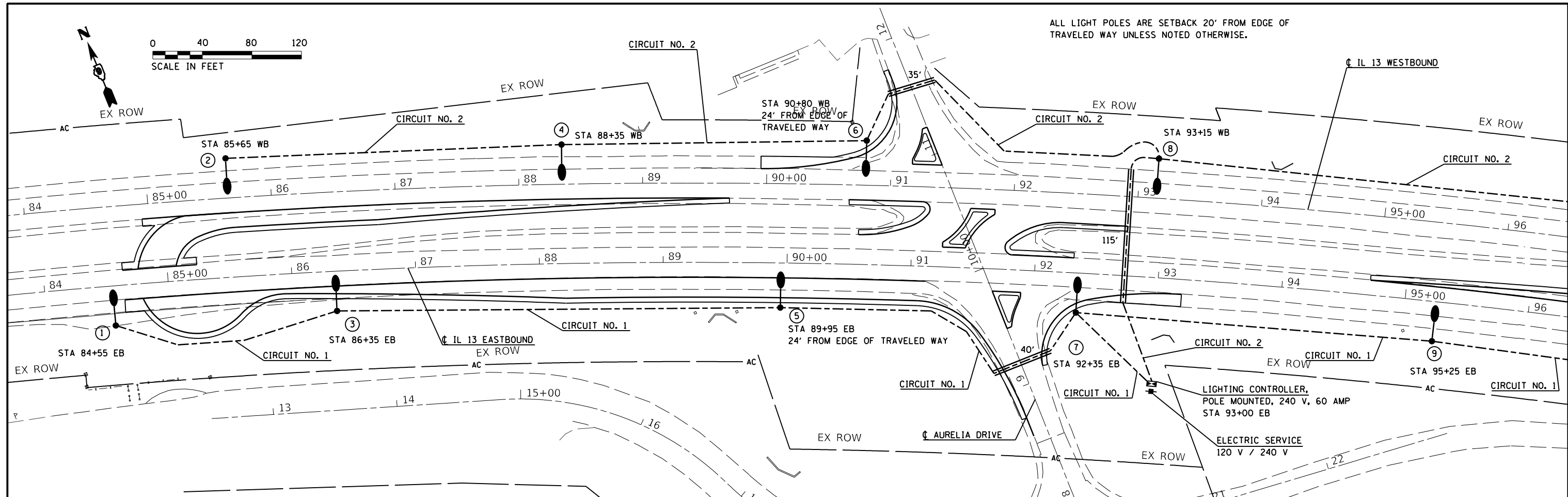
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	78
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

LIGHTING SUMMARY OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	190
UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	3,290
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	12
LIGHTING CONTROLLER, POLE MOUNTED, 240VOLT, 60AMP	EACH	1
LIGHT POLE, ALUMINUM, 50 FT. M.H., 15 FT. DAVIT ARM	EACH	12
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 8'	EACH	12
BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	48

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USER NAME = whitee PLOT SCALE = 100.0000' / in. PLOT DATE = 12/11/2019	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING SCHEDULE OF QUANTITIES	SCALE: NTS SHEET OF SHEETS STA. TO STA.	F.A.P. RTE. 331	SECTION (6-1)N-2,RS-3	COUNTY WILLIAMSON	TOTAL SHEETS 150	SHEET NO. 79	CONTRACT NO. 78715 ILLINOIS FED. AID PROJECT
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MOE:J: Default
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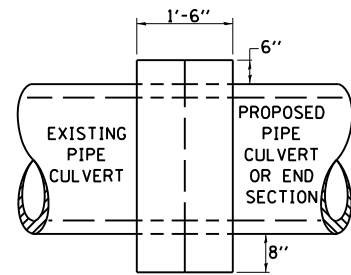
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PLOT DATE = 12/11/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

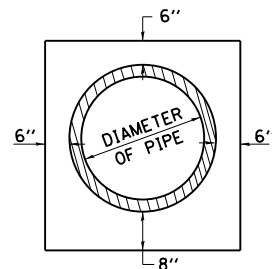
PROPOSED LIGHTING PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	80
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

CONCRETE COLLAR PIPE TO PIPE



SIDE VIEW



END VIEW

TABULATION

DIAMETER OF PIPE	CL SI CONC CU YDS EST
12"	0.24
15"	0.29
18"	0.32
24"	0.44
30"	0.56
36"	0.66
42"	0.80
48"	0.93
54"	1.07
60"	1.22
72"	1.55

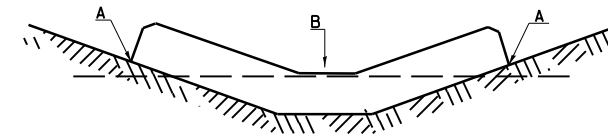
THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR **CONCRETE COLLAR**, AS SHOWN ON THE PLANS, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS THE EXISTING HEADWALLS AS MAY BE REQUIRED.
CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

REVISIONS	
DRAWN	7-13-90
REVISED	8-22-94
REVISED	3-26-08
REVISED	5-17-13

STD. 9-79

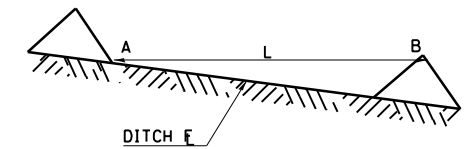
TEMPORARY DITCH CHECKS

PLACEMENT OF TEMPORARY DITCH CHECK IN DRAINAGE WAY



POINTS A SHOULD BE HIGHER THAN POINT B

SPACING BETWEEN TEMPORARY DITCH CHECKS

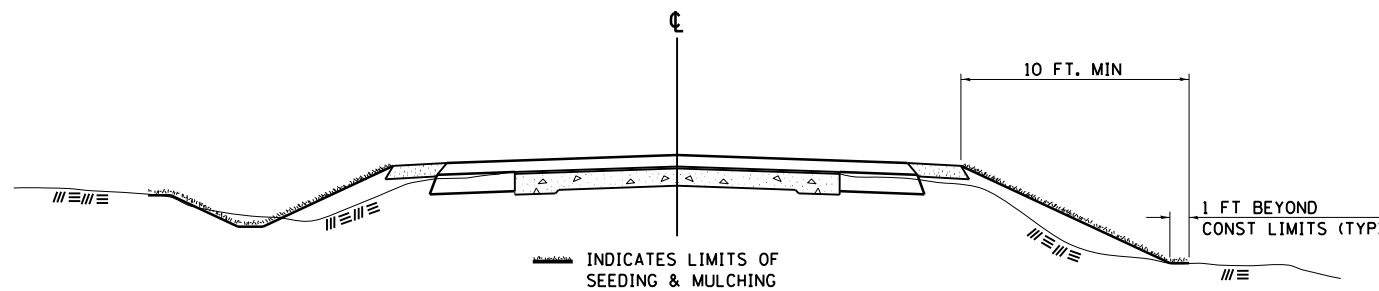


L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION
B = THE LOW POINT IN CENTER OF CHECK

REVISIONS	
DRAWN	9-01-99
REVISED	10-3-01
REVISED	5-8-08
REVISED	05-04-10
REVIEWED	5-17-13

STD. 9-108

SEEDING & MULCHING



INDICATES LIMITS OF SEEDING & MULCHING

GENERAL NOTES

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

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

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

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

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

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
REVISED	6-3-99
REVISED	3-27-08
REVISED	5-16-13

STD. 9-12

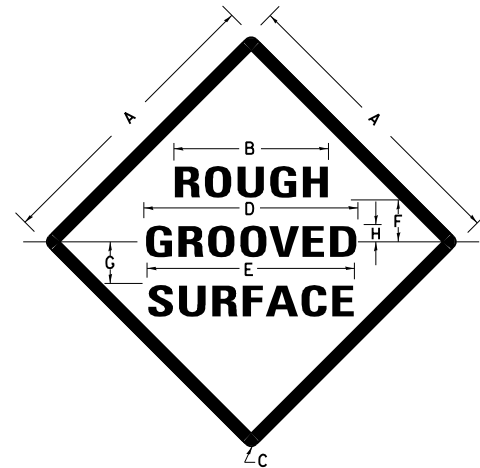
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS: CONCRETE COLLAR, TEMP. DITCH CHECKS,
SEEDING AND MULCHING**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	81
			CONTRACT NO. 78715	
ILLINOIS FED. AID PROJECT				

ILLINOIS STANDARD



COLORS:

LEGEND AND BORDER- BLACK NON-REFLECTORIZED
BACKGROUND- ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MAR-GIN	BOR-DER	BLANK STD.
	1	2	3			
48X48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES

NOTES:

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

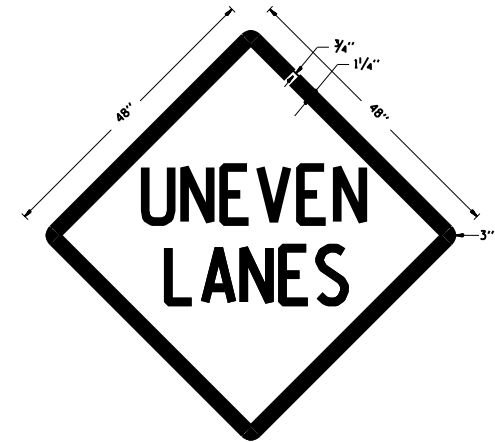
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

STD. 9-39

REVISIONS	
REDRAWN	2-15-89
REVISED	4-6-93
REVISED	3-27-08
REVIEWED	5-17-13

UNEVEN LANES SIGN

W8-11 (48" x 48")



COLORS:

LEGEND AND BORDER - BLACK NON-REFLECTORIZED
BACKGROUND - ORANGE REFLECTORIZED

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

STD. 9-41

REVISIONS	
DRAWN	2-15-89
REVISED	4-06-93
RESIGNED	7-23-04
RESIZED	5-08-08
REVIEWED	5-17-13

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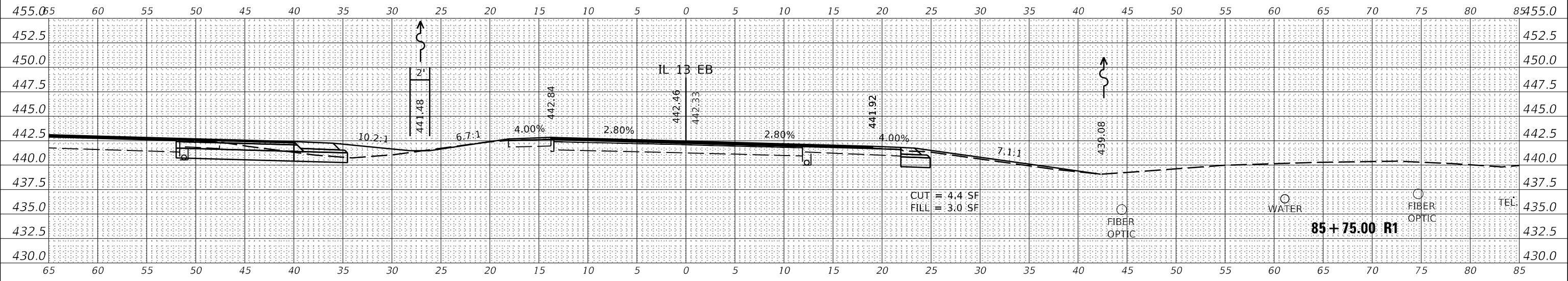
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS: ROUGH GROOVED SURFACE
UNEVEN LANE SIGNS**

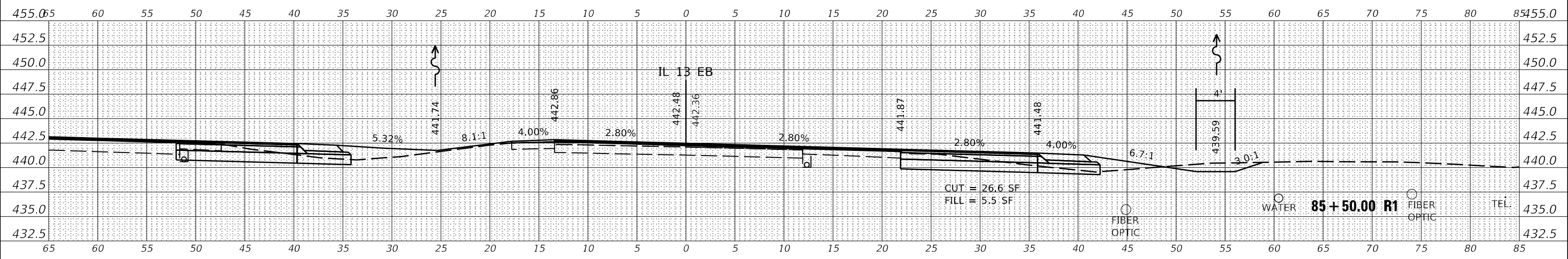
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	82
				CONTRACT NO. 78715
ILLINOIS FED. AID PROJECT				

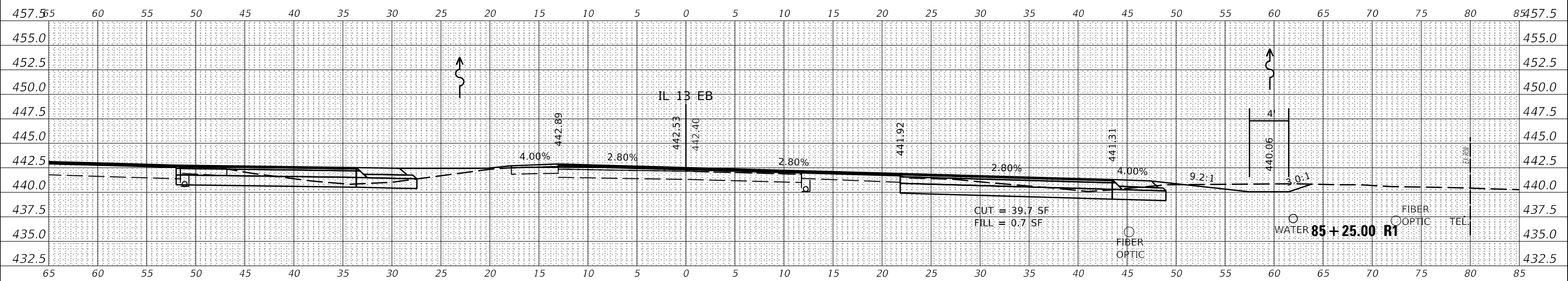
DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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ORIGINAL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



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PLOT DATE = 12/11/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

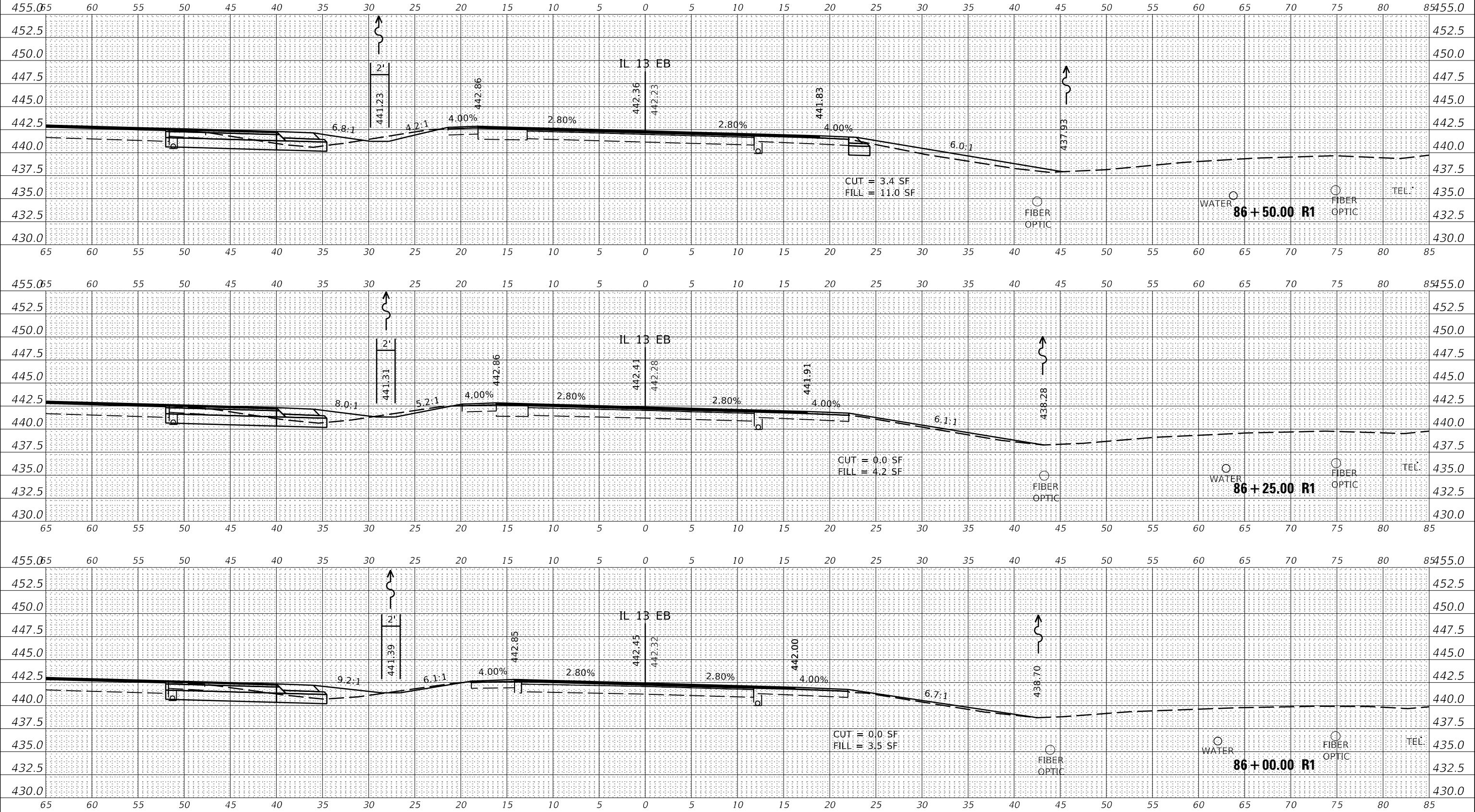
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SCALE:	SHEET OF SHEETS
STA. 85+25.00 R1 TO STA. 85+75.00 R1	

F.A.P. RTE. 331	SECTION (6-1)N-2,RS-3	COUNTY WILLIAMSON	TOTAL SHEETS 150	SHEET NO. 85
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

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

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

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 PROJECT: 781544Data\Design\9787154S EB Corridor 3A.dgn



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	DRAWN -	REVISED -
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PLOT DATE = 12/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

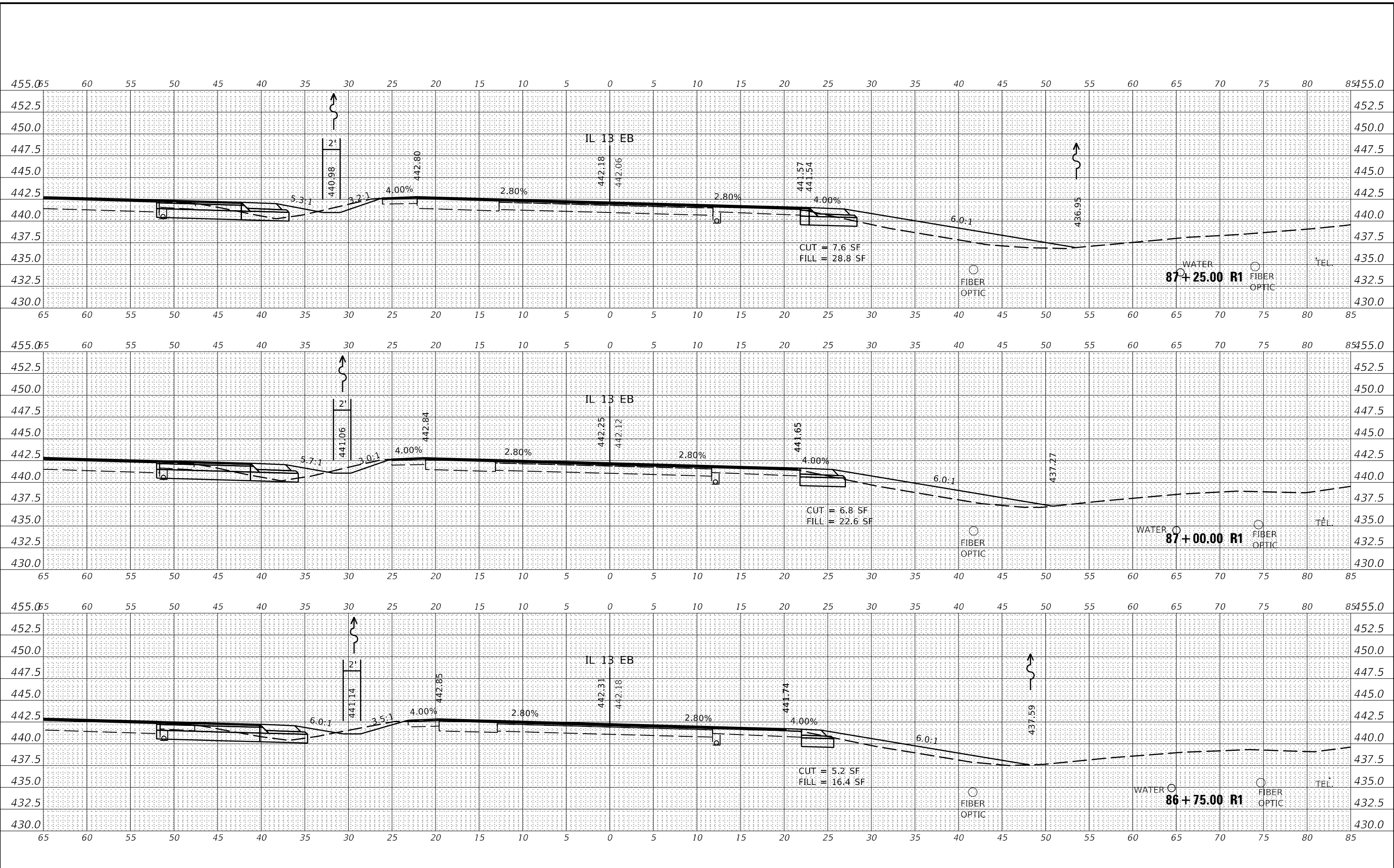
IL 13 EB - CROSS SECTIONS	
SCALE:	SHEET OF SHEETS
STA. 86+00.00 R1 TO STA. 86+50.00 R1	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	86
				CONTRACT NO. 78715
				ILLINOIS FED. AID PROJECT

DATE	
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SURVEYED	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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 OFFICE: DISTRICT 9



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 13 EB - CROSS SECTIONS

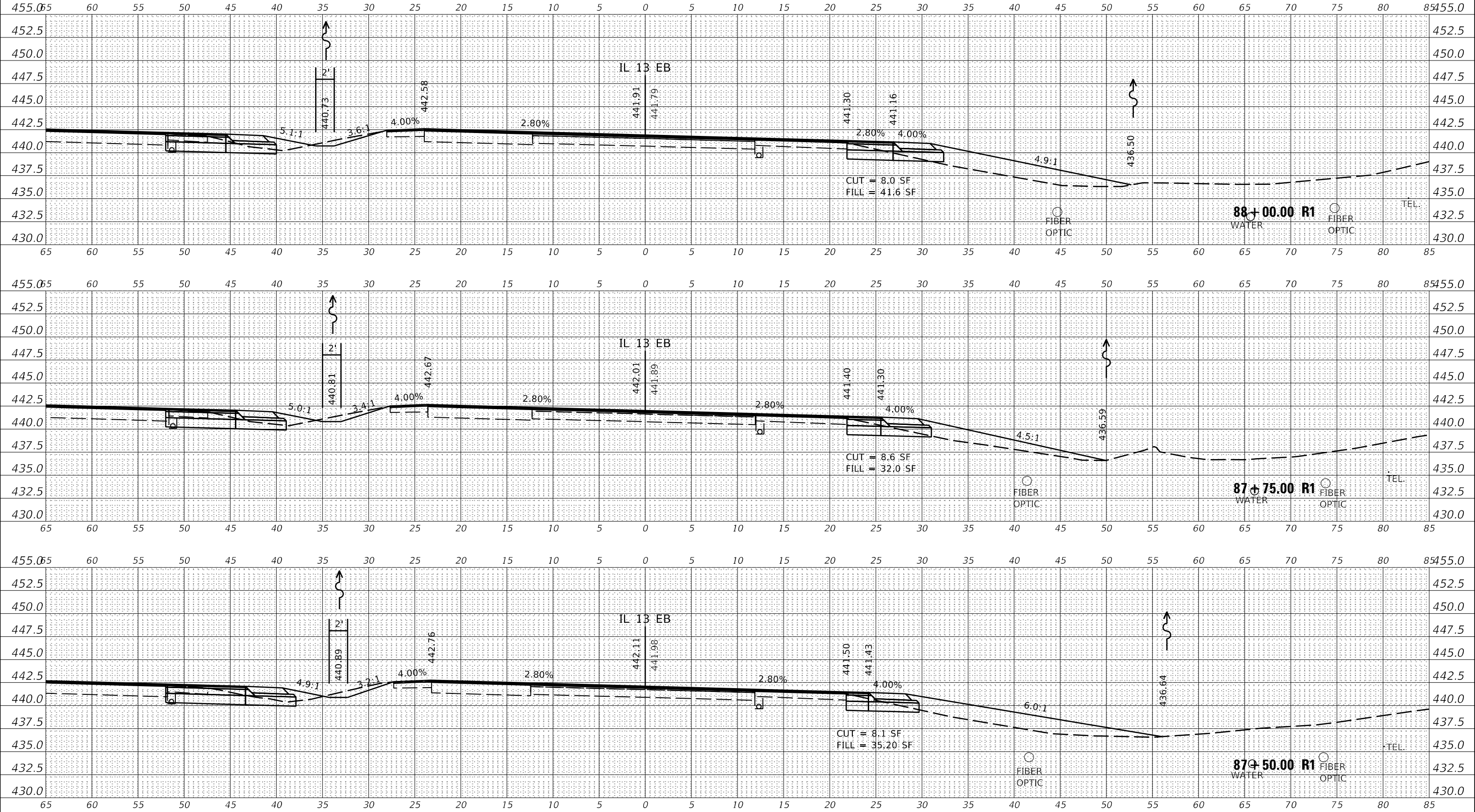
SCALE: SHEET OF SHEETS STA. 86+75.00 R1 TO STA. 87+25.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	87
			CONTRACT NO. 78715	
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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PLOT DATE = 12/11/2019	DATE -	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 13 EB - CROSS SECTIONS

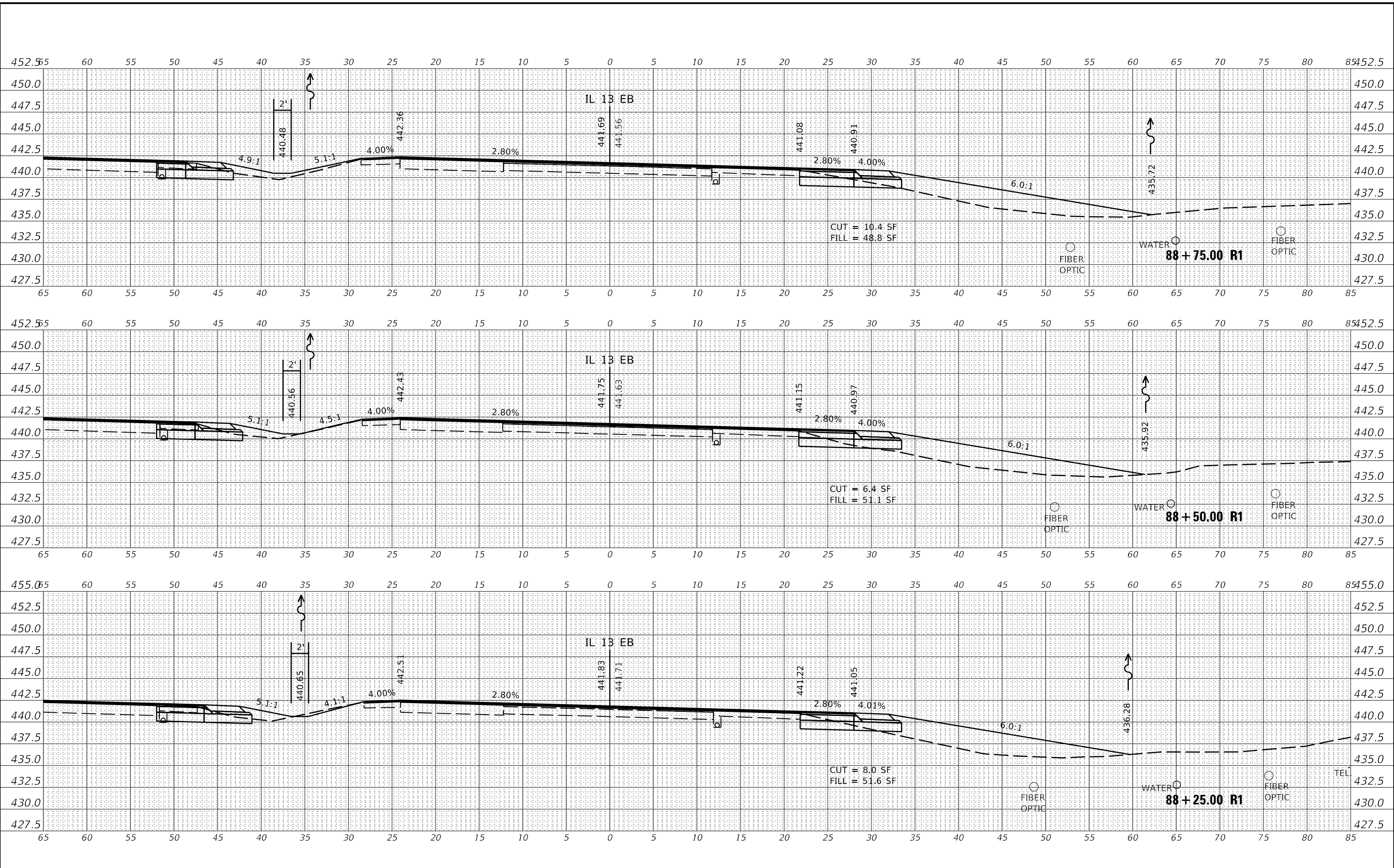
SCALE: SHEET OF SHEETS STA. 87+50.00 R1 TO STA. 88+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,R5-3	WILLIAMSON	150	88
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
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TEMPLATE	
AREAS	
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DATE	
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SURVEYED	
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AREAS	
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PLOT DATE = 12/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

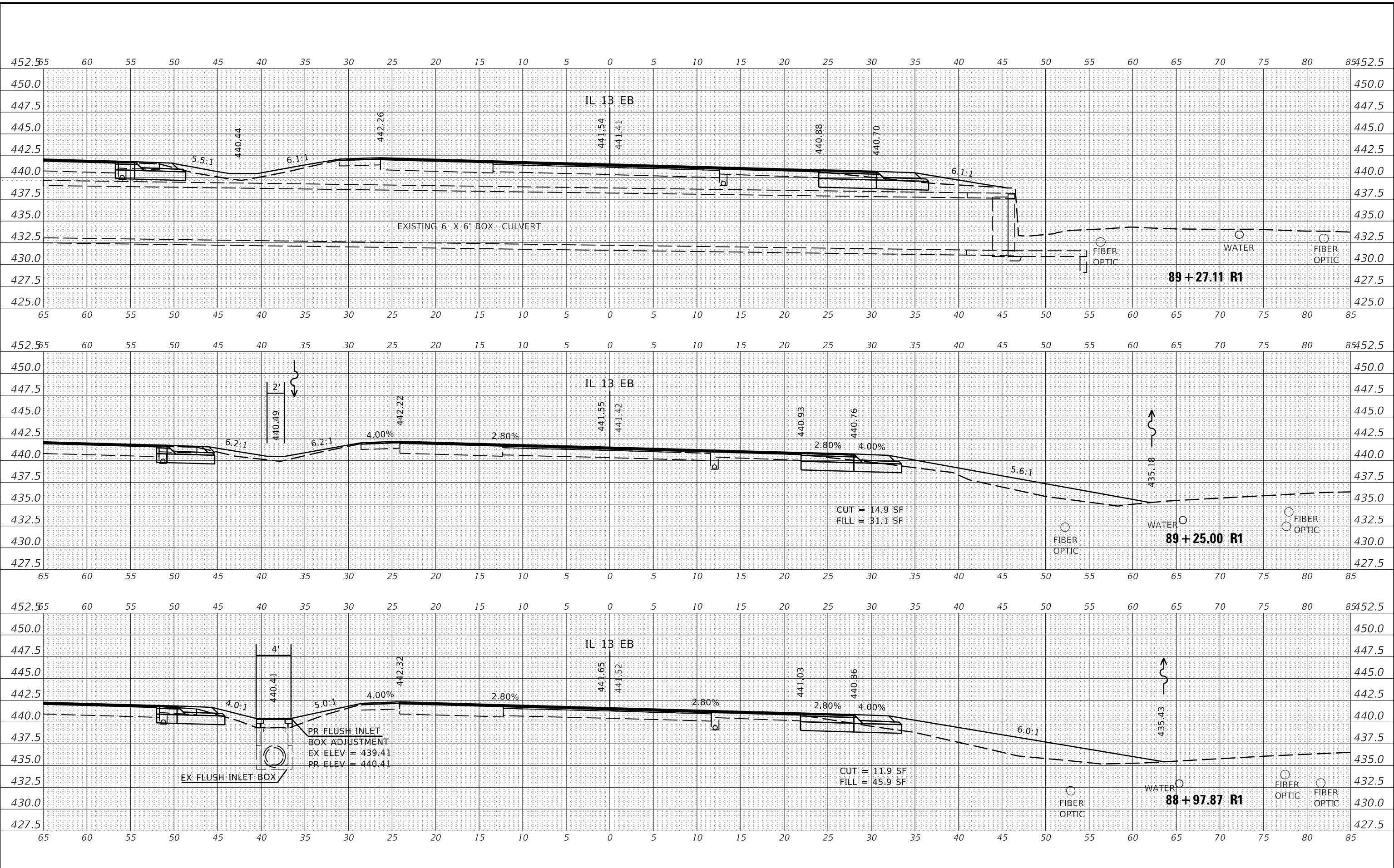
IL 13 EB - CROSS SECTIONS			
SCALE:	SHEET	OF	SHEETS
			STA. 88+25.00 R1 TO STA. 88+75.00 R1

F.A.P. RTE. 331	SECTION (6-1)N-2,RS-3	COUNTY WILLIAMSON	TOTAL SHEETS 150	SHEET NO. 89
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78715	

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

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
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PLOT DATE = 12/11/2019	DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

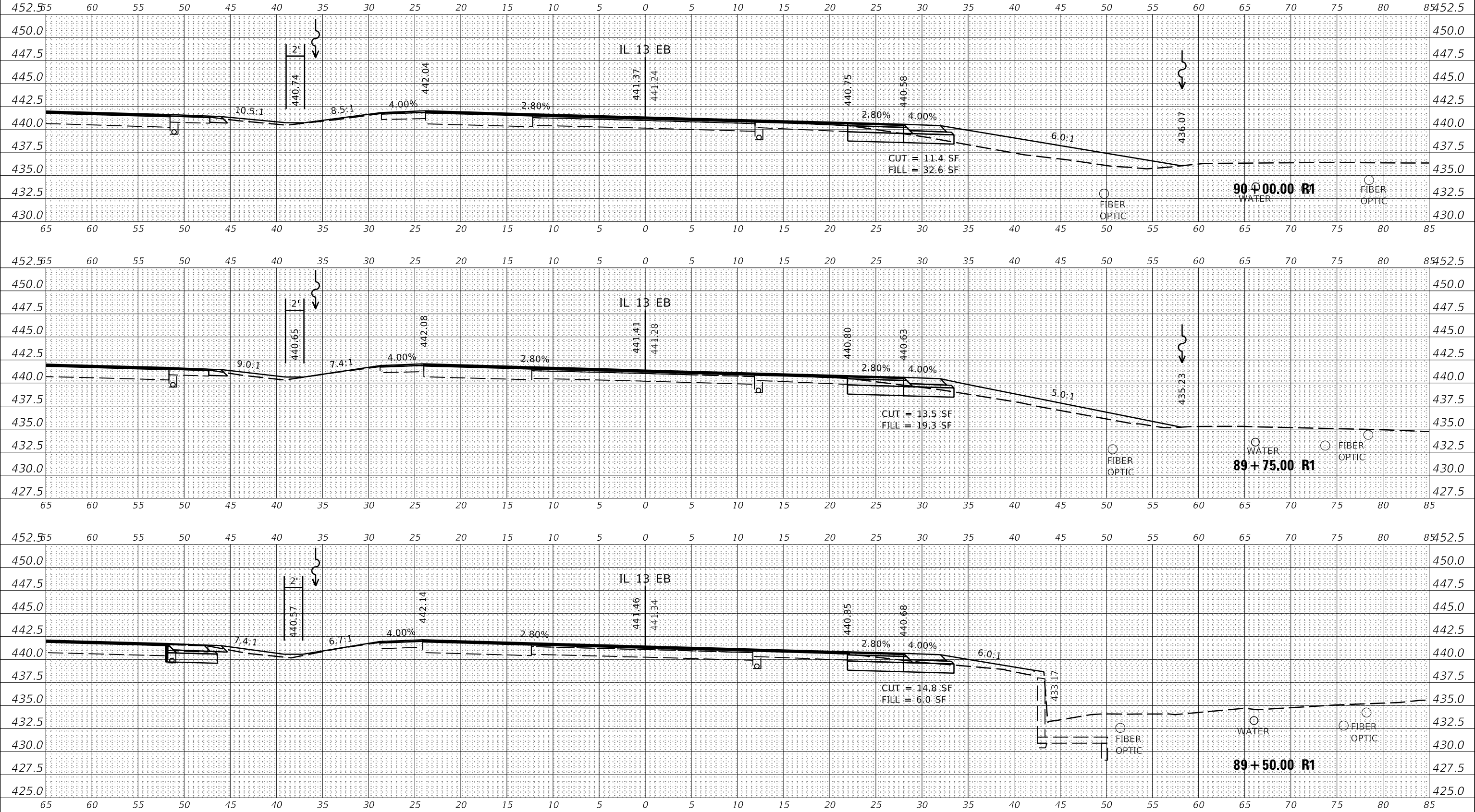
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SCALE:	SHEET	OF	SHEETS
			STA. 88+97.87 R1 TO STA. 89+27.11 R1

F.A.P. RTE. 331	SECTION (6-1)N-2,RS-3	COUNTY WILLIAMSON	TOTAL SHEETS 150	SHEET NO. 90
		CONTRACT NO. 78715		
		ILLINOIS FED. AID PROJECT		

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

DATE	
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NOTE BOOK	
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 AS-EB
 CONTRACTOR: 3rd Admin



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

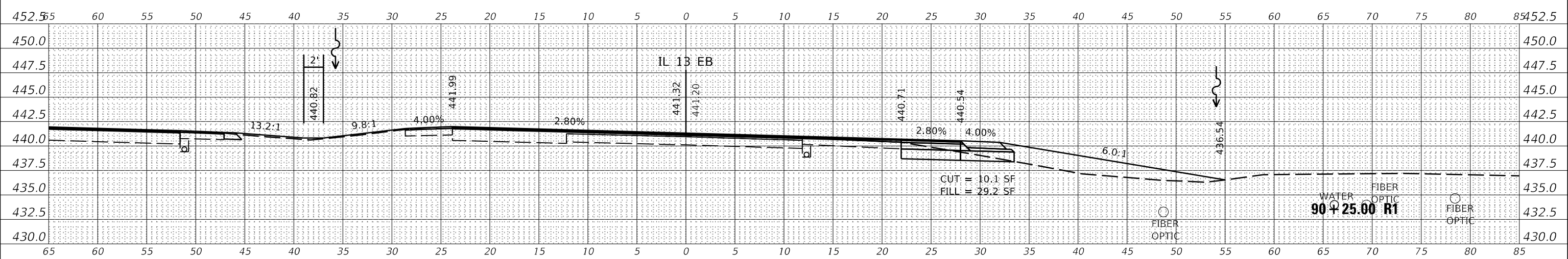
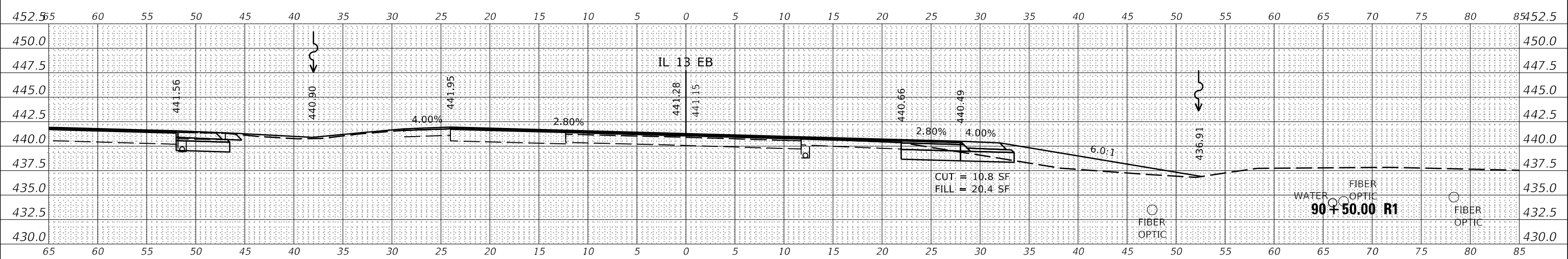
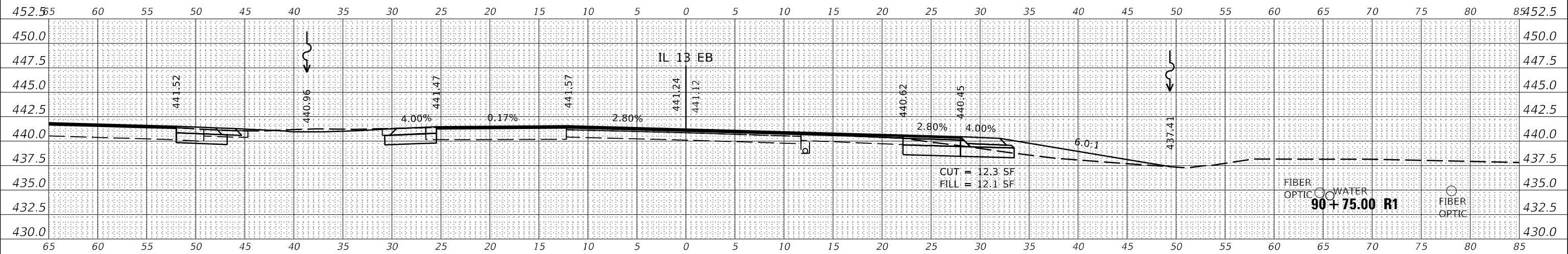
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SCALE:	SHEET	OF	SHEETS
			STA. 89+50.00 R1 TO STA. 90+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	91
				CONTRACT NO. 78715
				ILLINOIS FED. AID PROJECT

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

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

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PLOT DATE = 12/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 13 EB - CROSS SECTIONS

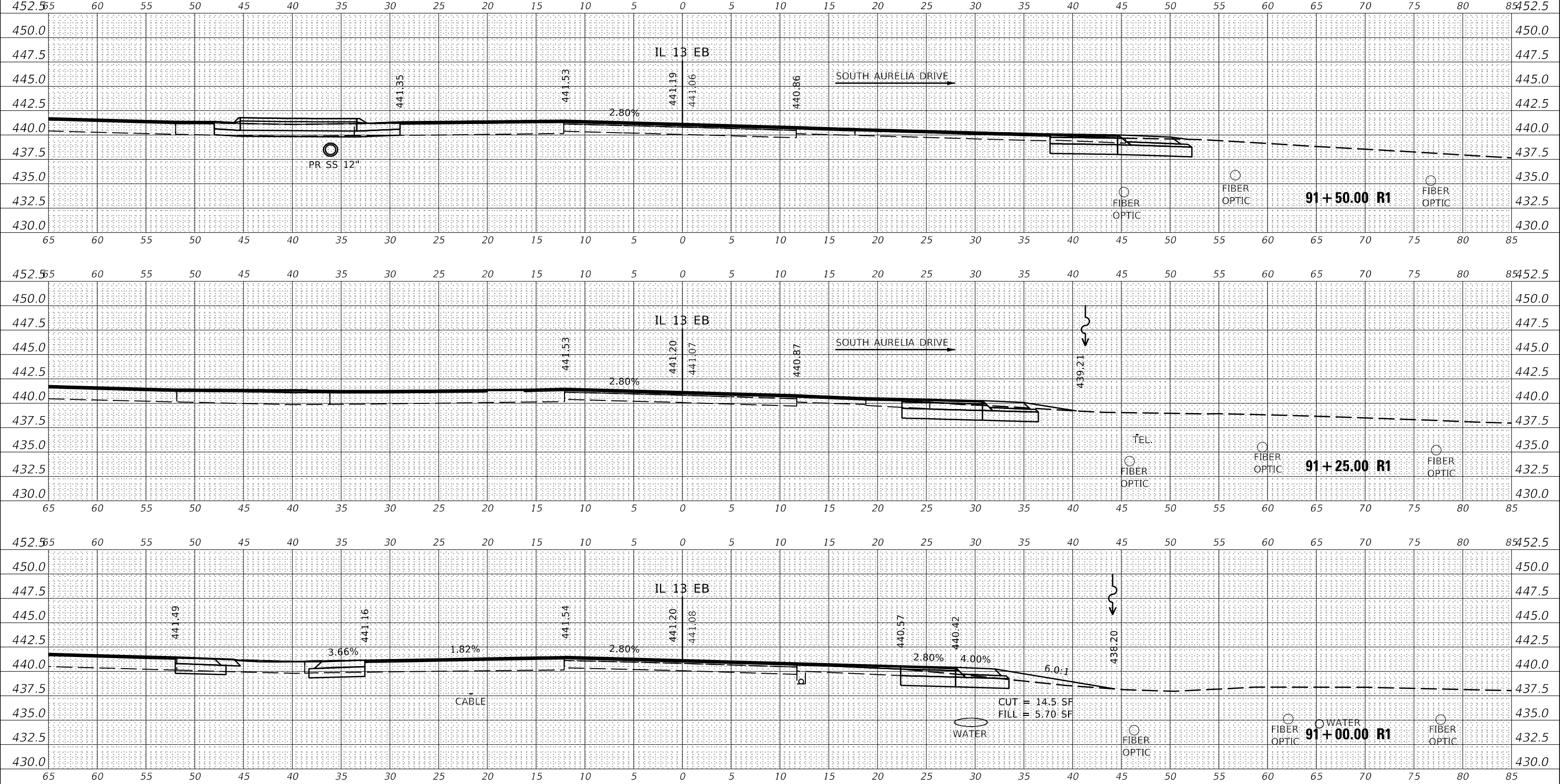
SCALE: SHEET OF SHEETS STA. 90+25.00 R1 TO STA. 90+75.00 R1

F.A.P. RTE. 331	SECTION (6-1)N-2,RS-3	COUNTY WILLIAMSON	TOTAL SHEETS 150	SHEET NO. 92
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78715	

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

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

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	DATE -	REVISIONS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

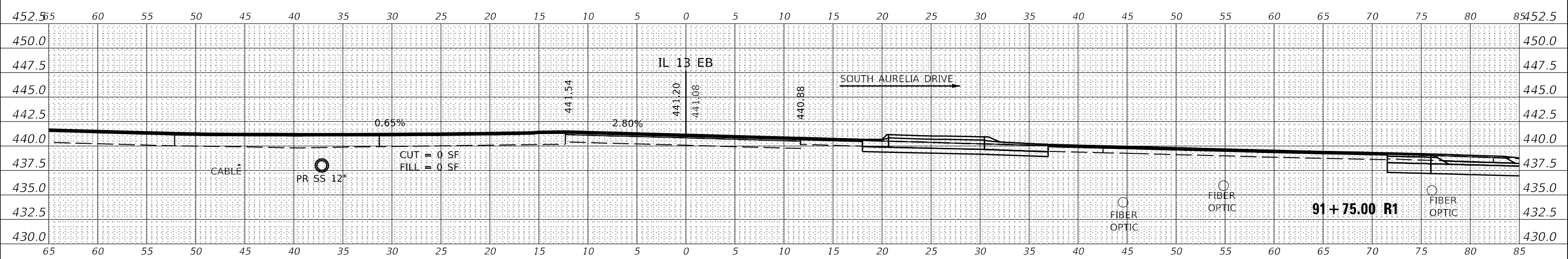
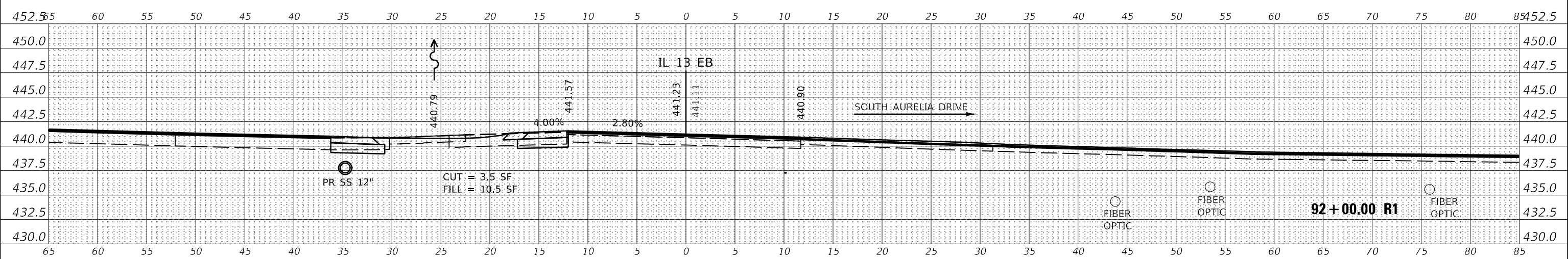
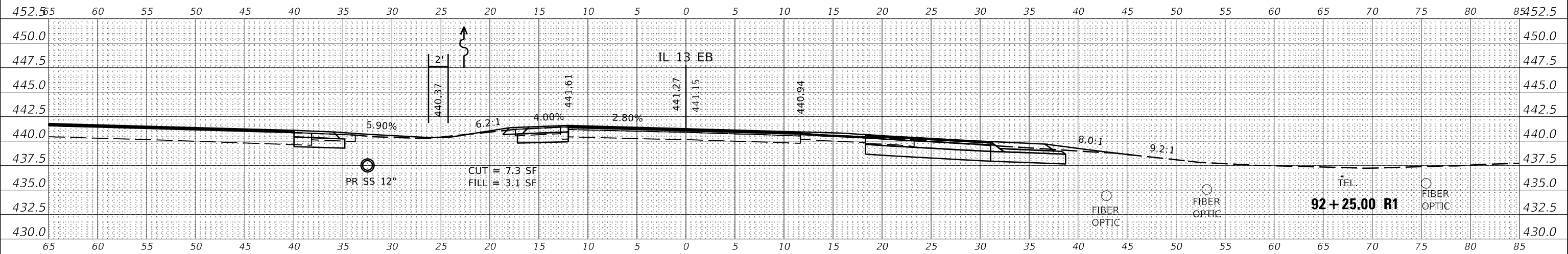
IL 13 EB - CROSS SECTIONS			
SCALE:	SHEET	OF	SHEETS
STA. 91+00.00 R1 TO STA. 91+50.00 R1			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	93
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

MODEL: IL13C_EBLA_8
FILE NAME: pavilambson.dwg
PROJECT: 7815 CAD Data Design 09/27/15 IL 13 EB Corridor 3A.dgn



USER NAME = whitode	DESIGNED -	REVISED -
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PLOT DATE = 12/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

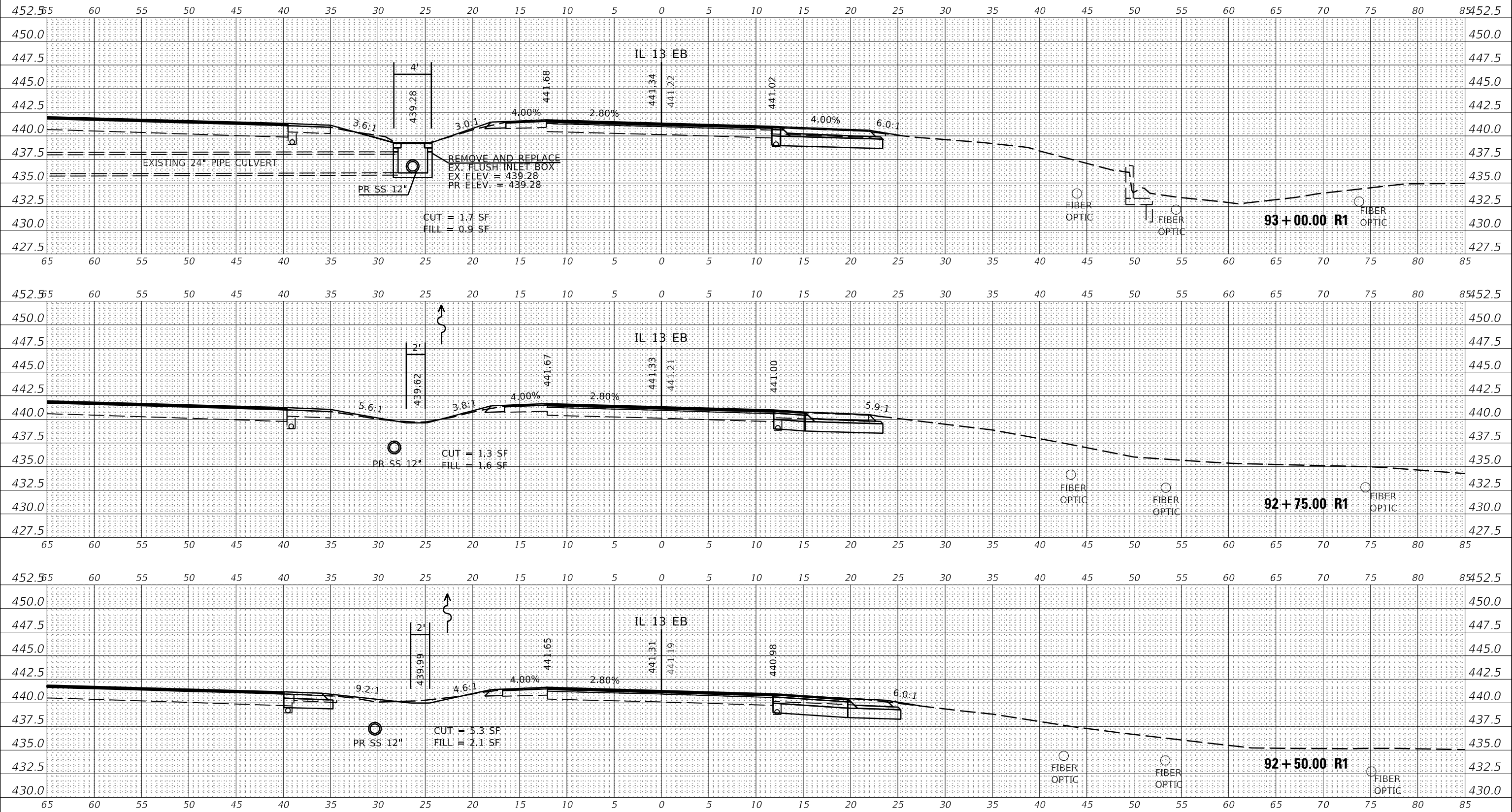
IL 13 EB - CROSS SECTIONS			
SCALE:	SHEET	OF	SHEETS
		STA. 91+75.00 R1 TO STA. 92+25.00 R1	

F.A.P. RTE. 331	SECTION (6-1)N-2,R5-3	COUNTY WILLIAMSON	TOTAL SHEETS 150	SHEET NO. 94
			CONTRACT NO. 78715	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: IL13C_LBLA_8
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 PROJECT: 7815CADData\Design\927815-ES EB Corridor 3d.dgn



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PLOT DATE = 12/13/2019	DATE -	REVISED -

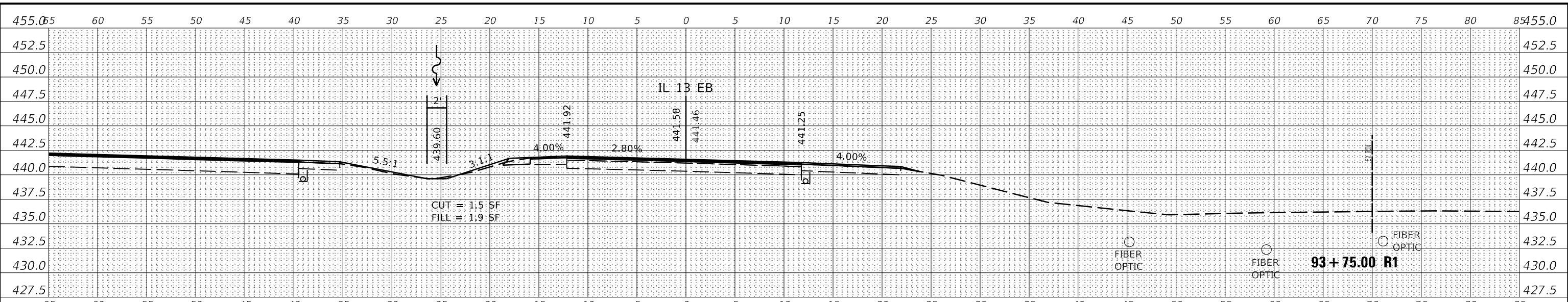
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 13 EB - CROSS SECTIONS

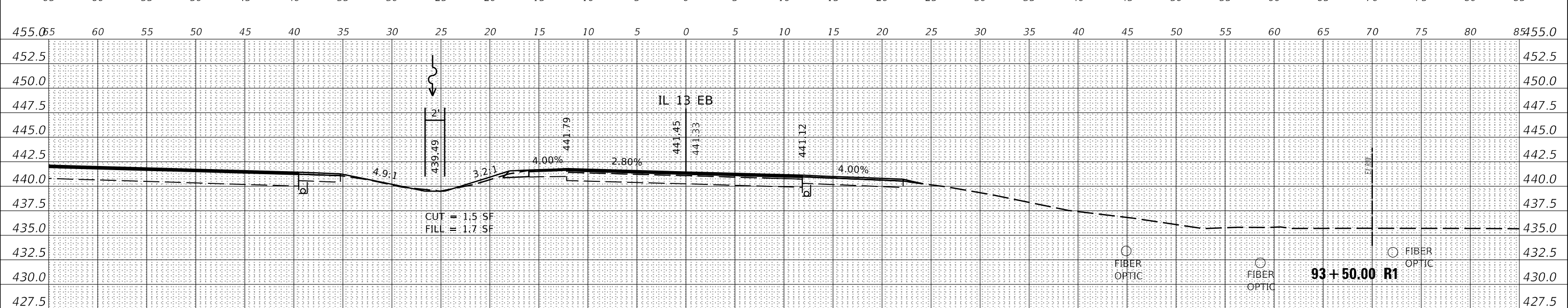
SCALE: SHEET OF SHEETS STA. 92+50.00 R1 TO STA. 93+00.00 R1

F.A.P. RTE. 331	SECTION (6-1)N-2,RS-3	COUNTY WILLIAMSON	TOTAL SHEETS 150	SHEET NO. 95
			CONTRACT NO. 78715	
			ILLINOIS FED. AID PROJECT	

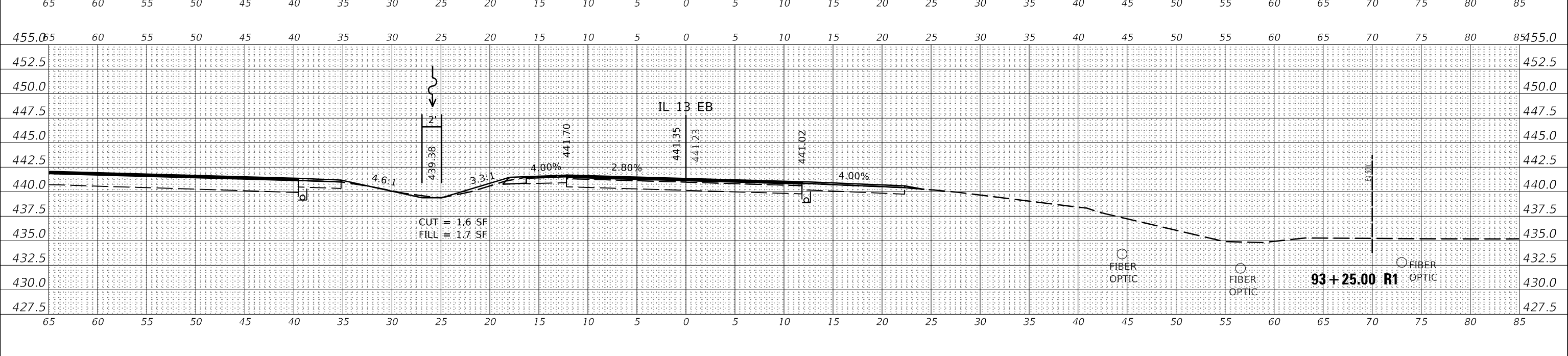
DATE	
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NOTE BOOK	
AREAS CHECKED	
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AREAS CHECKED	
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MODEL: IL13C_EBLA_8
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PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

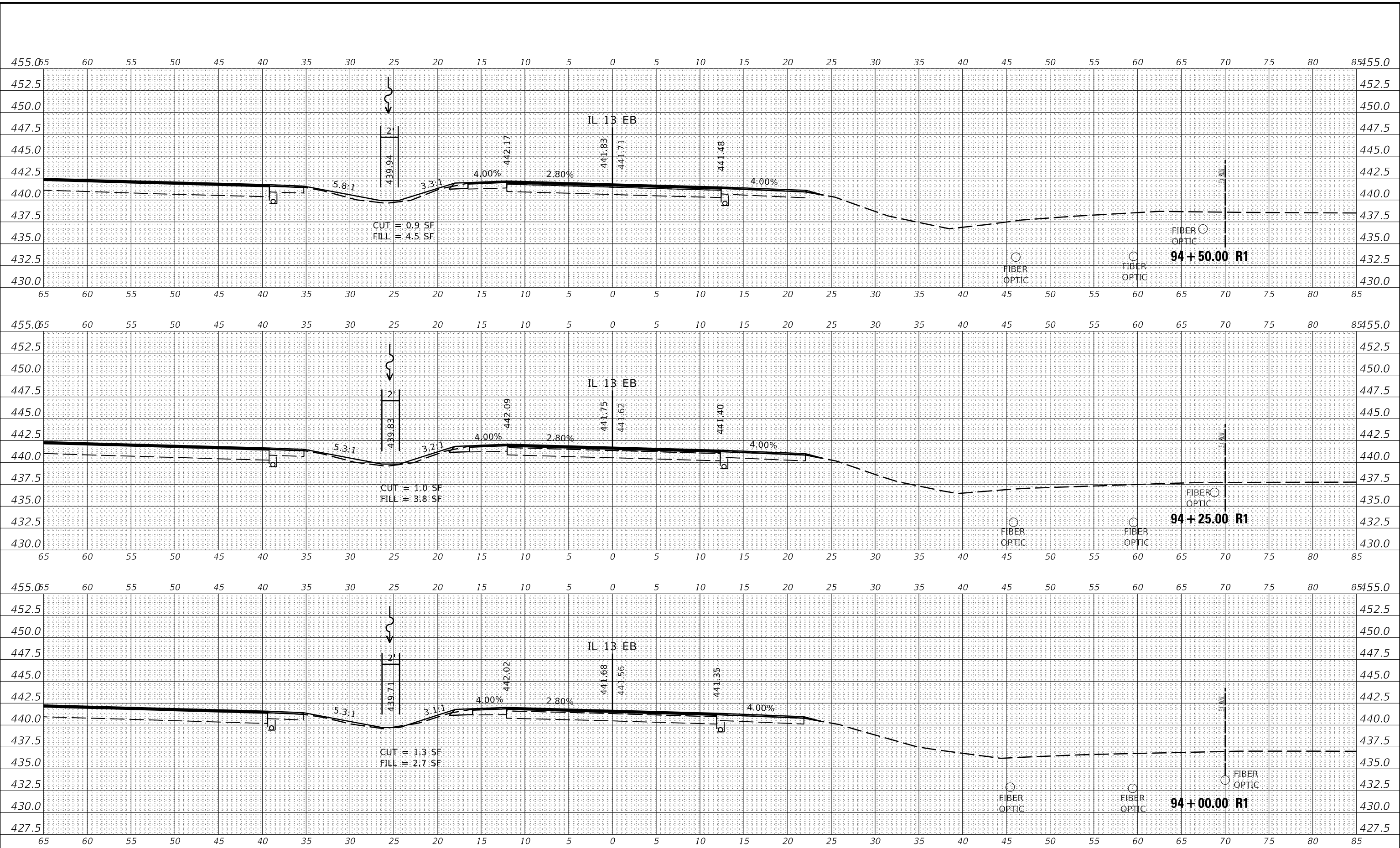
IL 13 EB - CROSS SECTIONS	
SCALE:	SHEET OF SHEETS
STA. 93+25.00 R1 TO STA. 93+75.00 R1	

F.A.P. RTE. 331	SECTION (6-1)N-2,R5-3	COUNTY WILLIAMSON	TOTAL SHEETS 150	SHEET NO. 96
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78715	

DATE	
BY	
SURVEYED	
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TEMPLATE	
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FINAL SURVEY	
NOTE BOOK	
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TEMPLATE	
AREAS	
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ORIGINAL SURVEY	
NOTE BOOK	
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MODEL: IL13CL_EB_LA_B
 FILE NAME: pavilamson.dwg
 PROJECT: 7815 CAD Data Design 97815 EB Corridor 3A.dwg
 OFFICE: District 9
 OFFICE: District 9



USER NAME = whitode	DESIGNED -	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/13/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 13 EB - CROSS SECTIONS

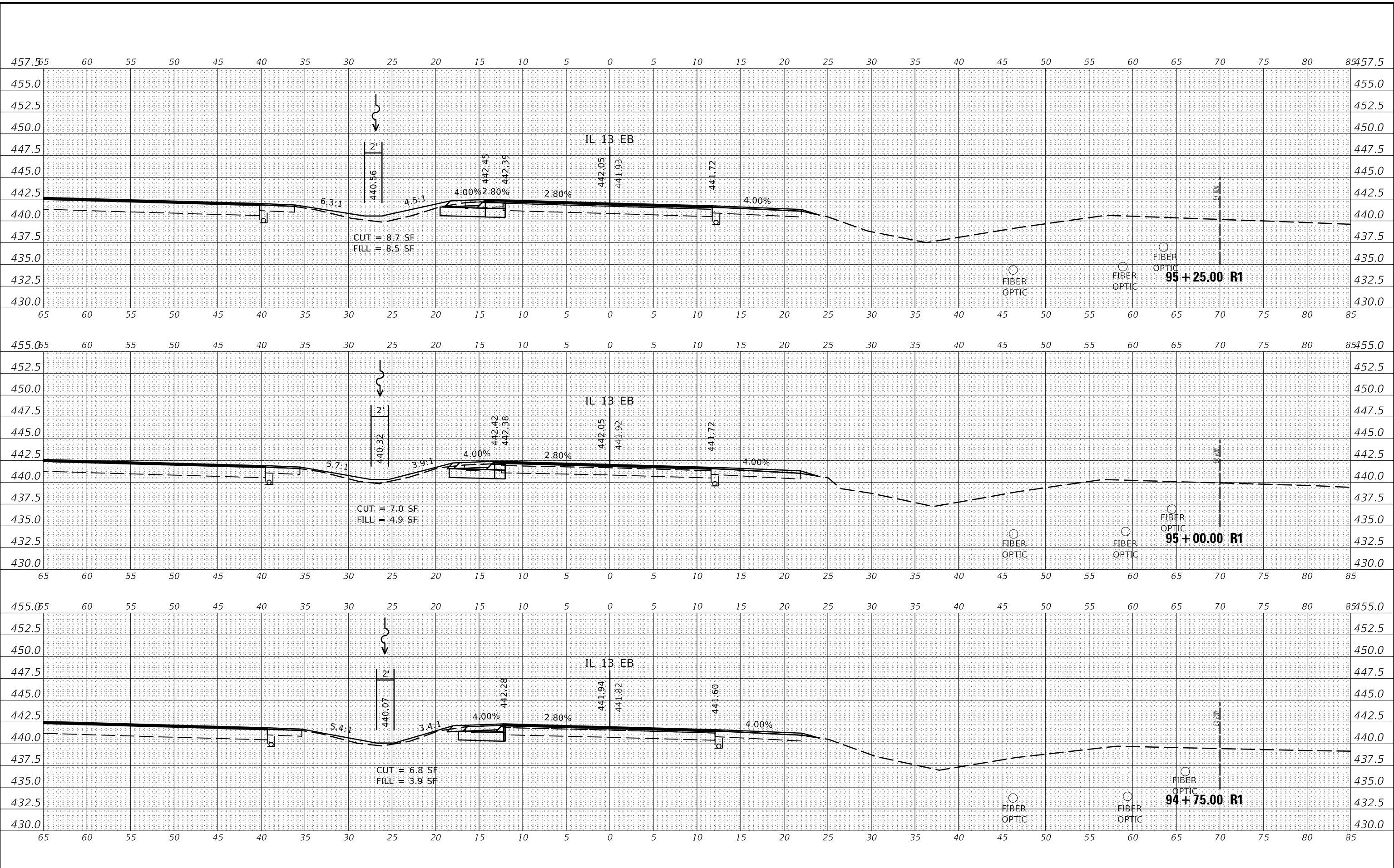
SCALE: SHEET OF SHEETS STA. 94+00.00 R1 TO STA. 94+50.00 R1

F.A.P. RTE. 331	SECTION (6-1)N-2,R5-3	COUNTY WILLIAMSON	TOTAL SHEETS 150	SHEET NO. 97
		CONTRACT NO. 78715		
		ILLINOIS FED. AID PROJECT		

DATE	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

MODEL: IL13CL_EBLA_B
 FILE NAME: pavilamban.com.dwg
 PROJECT: 7815 CAD Data Design 09/27/15 IL 13 EB Corridor 34 A.dwg



USER NAME = whitee	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 13 EB - CROSS SECTIONS

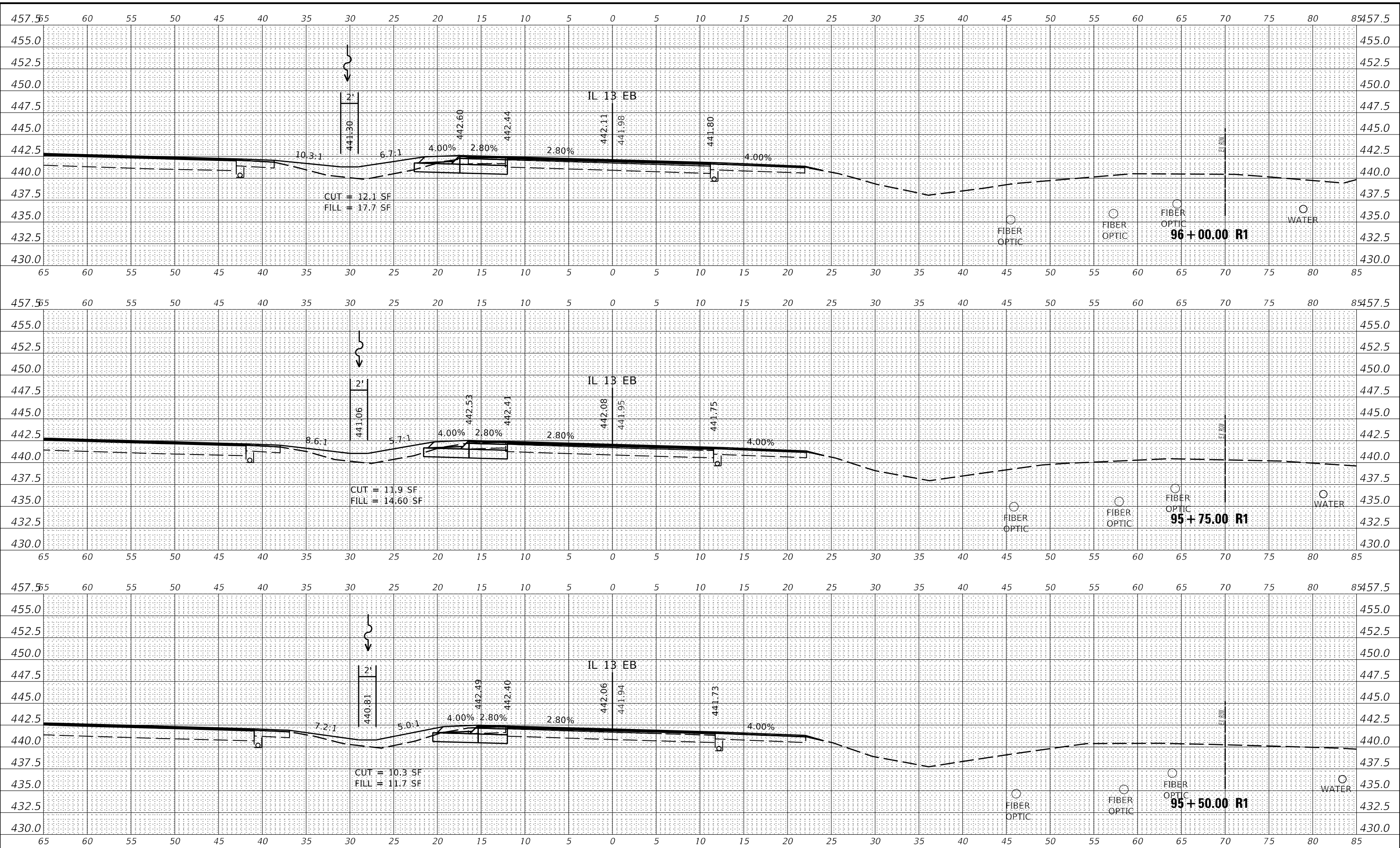
SCALE: SHEET OF SHEETS STA. 94+75.00 R1 TO STA. 95+25.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,R5-3	WILLIAMSON	150	98
			CONTRACT NO. 78715	
		ILLINOIS	FED. AID PROJECT	

DATE	
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AREAS CHECKED	
NO.	
FINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
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TEMPLATE	
AREAS CHECKED	
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ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
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MODEL: IL13C_EBLA_B
 FILE NAME: pavilamson.dwg
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USER NAME = whitee	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 13 EB - CROSS SECTIONS

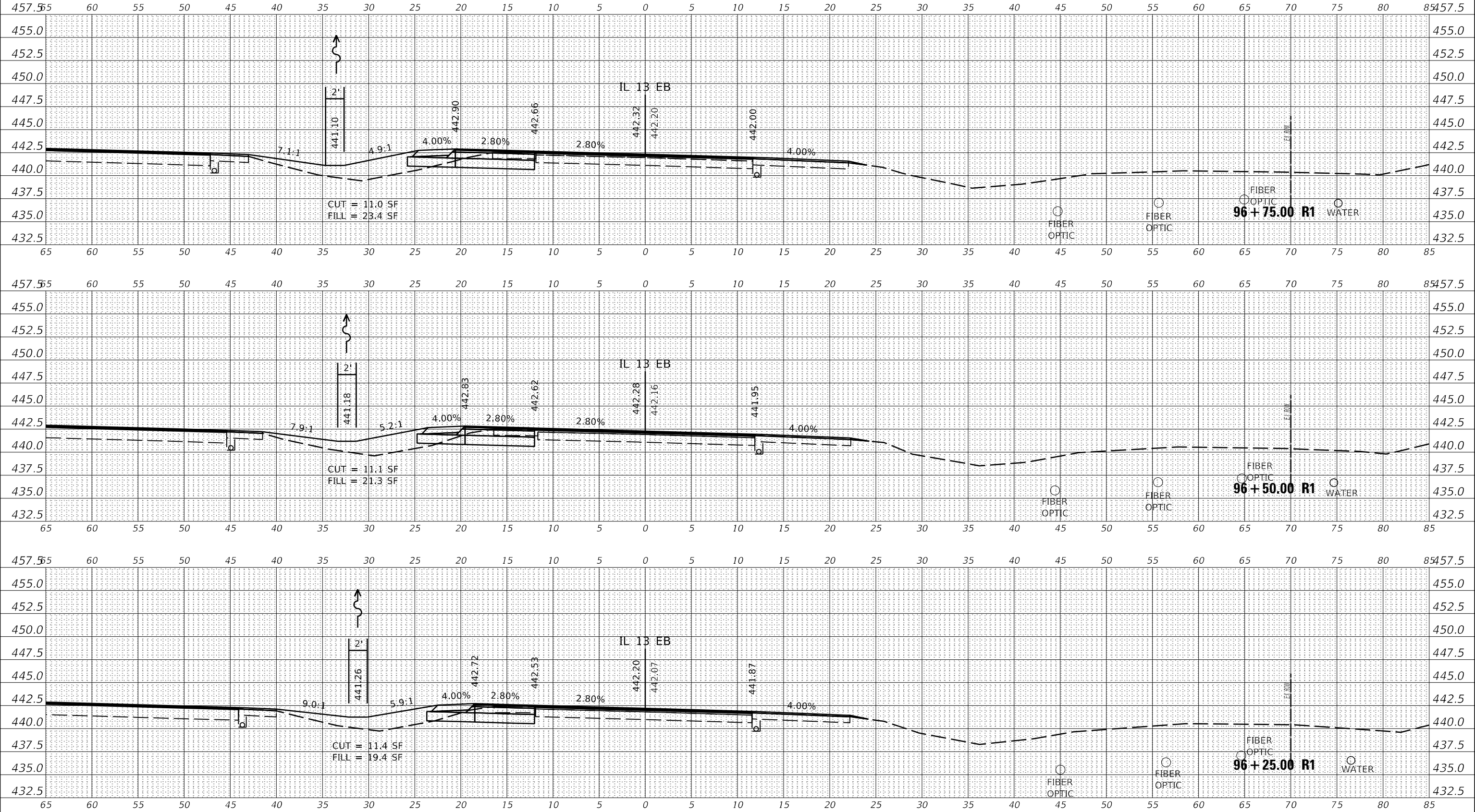
SCALE: SHEET OF SHEETS STA. 95+50.00 R1 TO STA. 96+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	99
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

MODEL: IL13C_EBLA_B
 FILE NAME: pavilamson.dwg
 PROJECT: 781545 EB
 DESIGN: 9781545 EB
 COUNTY: Adams



USER NAME = whitee	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 13 EB - CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 96+25.00 R1 TO STA. 96+75.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(6-1)N-2,RS-3	WILLIAMSON	150	100
CONTRACT NO. 78715				
ILLINOIS FED. AID PROJECT				