

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3);HVB]RS-2	TAZEWELL	55	1
		ILLINOIS	CONTRACT NO. 68D51	

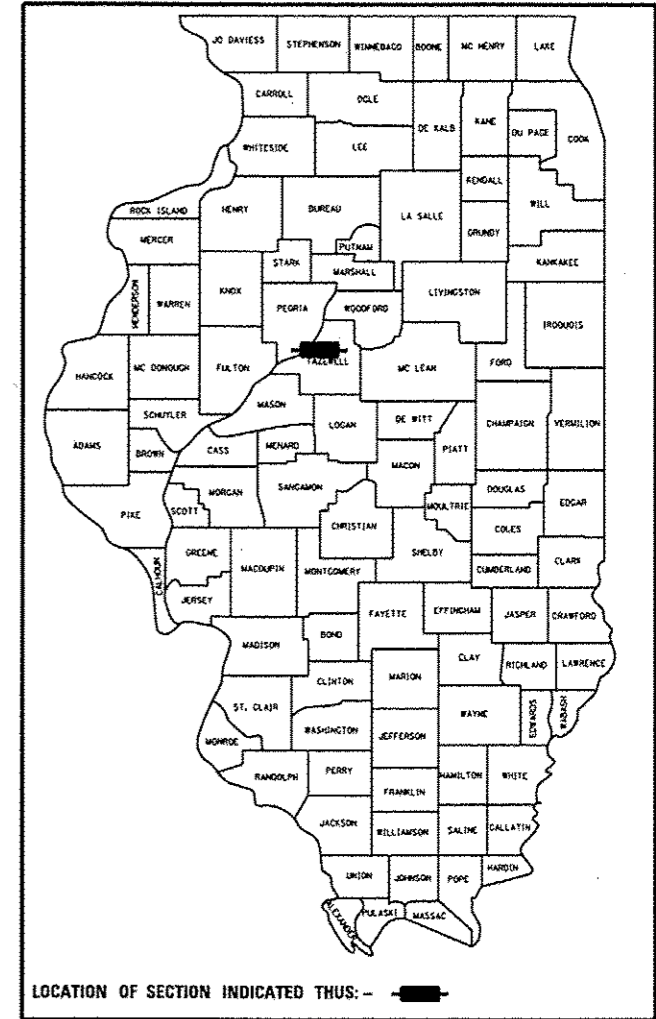
D-94-018-17

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 669 (IL 116 / IL 8, CEDAR ST. EXTENSION)  
SECTION 13[HB(1,2,3);HVB]RS-2  
PROJECT NHPP-0669(038)  
SURFACE MAINTENANCE  
TAZEWELL COUNTY

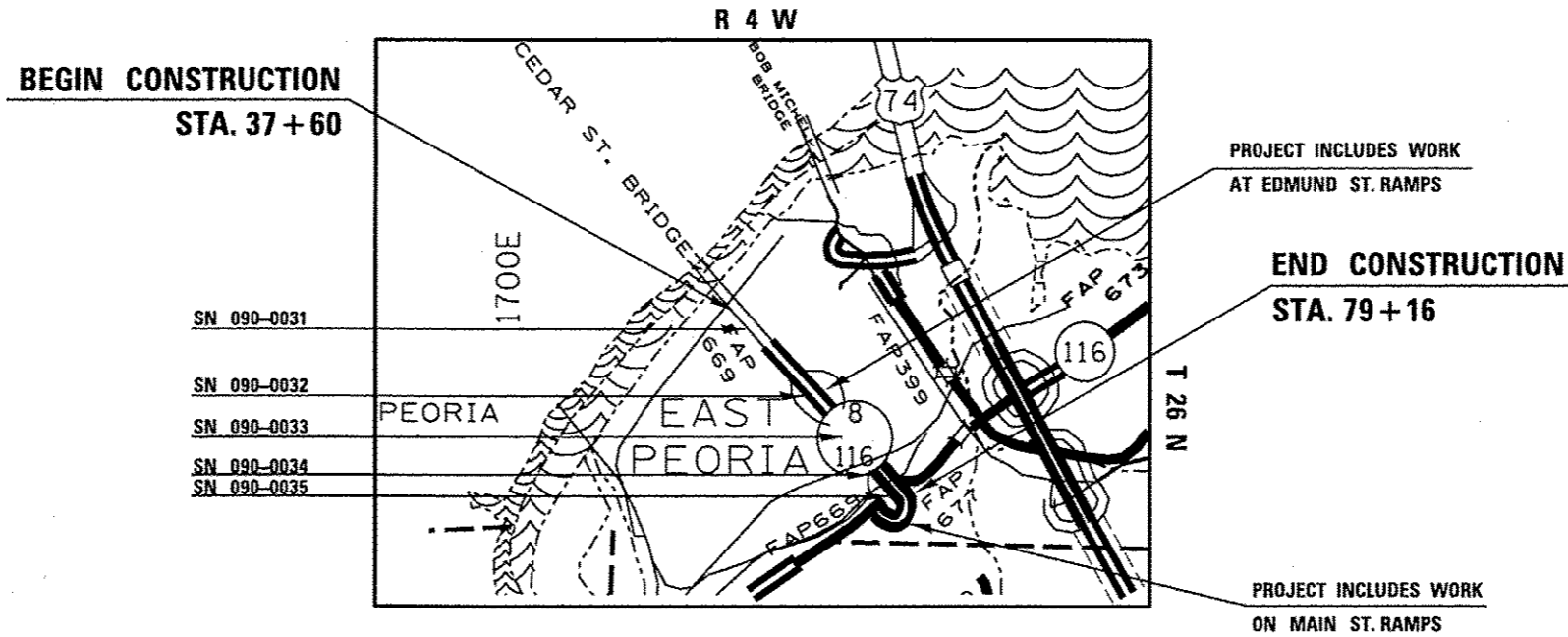
C-94-037-17



**HIGHWAY STANDARDS**

420001-08	
424001-09	701601-09
442101-07	701602-08
542401-02	701701-10
606001-06	701801-06
606301-04	701901-06
701411-09	780001-05
701422-09	781001-04
701426-09	

ADT = 11,800 (2015)  
SU = 4.45%  
MU = 2.54%



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

PROJECT ENGINEER RICH DOTSON (309-671-3455)  
PROJECT MANAGER ARMARIS AYALA DIAZ (309-671-3473)  
CATALOG NO. 035449-00D  
CONTRACT NO. 68D51

GROSS LENGTH = 4156 FT. = 0.787 MILE  
NET LENGTH = 4156 FT. = 0.787 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED February 7 20 17  
*James A. James*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Mar 24 20 17  
*Maureen M. Addis*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 24 20 17  
*Maureen M. Addis*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

REV

**INDEX OF SHEETS**

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- 12-19. SCHEDULE OF QUANTITIES
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- 33. BUTT JOINT LOCATIONS DETAIL
- 34. DRAINAGE IMPROVEMENTS
- 35-40. SIDEWALK REMOVAL DETAILS
- 41-46. PROPOSED SIDEWALKS DETAILS
- 47-55. DISTRICT CADD STANDARDS

**GENERAL NOTES**

**PROPERTY OWNER ACCESS REQUIREMENTS**

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

**EARTH EXCAVATION – INCIDENTAL TO CURB, GUTTER, & DRIVEWAY**

Earth excavation and backfill for proposed curb and gutter and driveway pavements shall be included in the unit cost of the various items.

**ENVIRONMENTAL REVIEWS**

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- \* BDE Form 2289 (Environmental Survey Request)
- \* BDE Form 2290 (Waste/Use Area Review)
- \* A location map showing the size limits and location of the use area
- \* Color photographs depicting the use area
- \* Borrow Area Entry Agreement form-D4 PI0101

Please note that a minimum of four weeks shall be allowed for the District to obtain the required environmental clearances and six weeks for the required borrow site environmental clearances.

**BRIDGE OVERLAY NOTIFICATION**

After placement of the bridge deck overlay, the Resident Engineer shall notify the District Bridge Maintenance Engineer of the "as constructed" milling depth and overlay thickness for updating the Illinois Highway Information System.

FILE NAME : 2017 SMART Cedar St Extension.dgn	USER NAME : aubr@uys	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, GENERAL NOTES AND PROJECT SPECIFIC NOTES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE * 10.0000 * / in.	DRAWN -	REVISED -					669	134HB(1,2,3)HVB)RS-2	TAZEWELL	55	2
	PLOT DATE * 2/3/2017	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 68D51				
		DATE -	REVISED -					[ILLINOIS] FED. AID PROJECT				

**GENERAL NOTES (CONTINUED)**

**PAVEMENT STATIONING NUMBERS & PLACEMENT**

The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 3/4 inch (20mm) wide, 5 inches (125 mm ) high and 5/8 inch (15 mm ) deep.

The pavement station numbers shall be installed as specified herein:

Interval – 200 feet (English stationing) or 100 meters (metric stationing)

Bottom of Numbers – 6 inches (150 mm ) from the inside edge of the pavement marking

Location:

- \* 2,3, & 5 Lane Pavements – right edge of pavement in direction of increasing stations
- \* Multi-Lane Divided Roadways – outside edge of pavement in both directions
- \* Ramps – along baseline edge of pavement

Position – stations shall be placed so they can be read from the adjacent shoulder

Format – English (Metric) pavement stations shall use this format "XXX (XX + X00)" where X represents the pavement station

This work will not be paid for separately, but will be considered included in the cost of the associated pavement and/or overlay pay items.

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

Mixture Use(s):	POLYMER SURFACE
AC/PC:	SBS OR SBR 76-28
Design Air Voids:	4.0% @ N=50
Mixture Composition: (Gradation Mixture)	IL 9.5
Friction Aggregate:	MIX E
Quality Management:	QCP

Notes: Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal aggregate size.

**BUTT JOINT CUTTING TIME RESTRICTION**

Butt joints shall not be milled more than three (3) days prior to placement of the HMA surface course.

**PAVING SURFACE COURSE**

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

**CROSSING EXISTING STRUCTURES WITH EQUIPMENT**

The following structures SN 090-0031, SN 090-0032, SN 090-0033, SN 090-0034, SN 090-0035 may be crossed with an unloaded MTD.

Any structures not listed above shall be verified by the resident prior to beginning work.

**ORDERING LENGTH CONFIRMATION – DRAINAGE ITEMS**

The Contractor shall consult with the Engineer in regard to the exact length of the box/pipe culverts, storm sewers, and/or pipe drains required prior to ordering these items.

**MEDIAN AND ISLAND NOSES**

When constructing median and island noses the following criteria should be used:

- \* Barrier curb shall be used to construct noses when the median or island surrounds a mast arm or other non-breakaway foundation.
- \* Ramped noses shall be used on medians or islands with breakaway posts.

**TRANSITION PAYMENT METHOD – NEW/OLD CONSTRUCTION**

Three meter (10 ft.)(3m) transitions shall be used to match proposed items of work to existing items in the field unless otherwise shown. The transition shall be paid for at the contract unit price for the proposed item of work specified.

**PROJECT SPECIFIC NOTES**

The Contractor shall use caution when cutting HMA butt joints at all bridge joints. Any bridge joint damage caused by the Contractor shall be repaired at the Contractor's expense.

Sidewalk work at Edmund St. shall be done one side of the street at a time.

Any minor re-grading required around proposed sidewalk shall be considered included in the cost of the proposed sidewalk.

FILE NAME : 2017 SMART Cedar St Extension.dgn	USER NAME : aubreygs	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, GENERAL NOTES AND PROJECT SPECIFIC NOTES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE : 10,0000 ' / in.	DRAWN -	REVISED -		669	13(HB1,2,3)+VB)RS-2	TAZEWELL	55	3				
	PLOT DATE : 2/3/2017	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 68D51		ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -										

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	ROADWAY 0005 ✓
21101615	TOPSOIL FURNISH & PLACE. 4"	SO YD	60	60	
28100125	STONE RIPRAP, CLASS B3	SO YD	1	1	
28200200	FILTER FABRIC	SO YD	1	1	
<b>40600290</b>	<b>BITUMINOUS MATERIALS (TACK COAT)</b>	<b>POUND</b>	<b>31,832</b>	<b>31,832</b>	
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1172	1172	
40600990	TEMPORARY RAMP	SO YD	400	400	
40603560	POLYMERIZED HOT - MIX ASPHALT SURFACE COURSE, MIX "E", NSO	TON	4074	4074	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SO FT	1734	1734	
42400800	DETECTABLE WARNINGS	SO FT	160	160	
44000154	HOT - MIX ASPHALT SURFACE REMOVAL, 1 1/4"	SO YD	9254	9254	
44000156	HOT - MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	33786	33786	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	245	245	
44000600	SIDEWALK REMOVAL	SO FT	1472	1472	
44200994	CLASS B PATCHES, TYPE II, 12 INCH	SO YD	892	892	
44200998	CLASS B PATCHES, TYPE III, 12 INCH	SO YD	46	46	

URBAN

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FILE NAME : 2017 SMART Cedar St Extension.dgn

USER NAME : aubr-mys  
 PLOT SCALE : 18,0000' / 1" =  
 PLOT DATE : 2/3/2017

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	131MB11.2.31HVB1RS-2	TAZEWELL	55	4
CONTRACT NO. 68051				
ILLINOIS FED. AID PROJECT				

REV

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	ROADWAY 0005
44201000	CLASS B PATCHES, TYPE IV, 12 INCH	SO YD	322	322	
44201294	CLASS B PATCH - EXPANSION JOINT	FOOT	106	106	
44201296	DEFORMED BARS - EXPANSION JOINT	EACH	90	90	
44201299	DOWEL BARS 1 1/2"	EACH	2390	2390	
44213200	SAW CUTS	FOOT	6058	6058	
44213204	TIE BARS 3/4"	EACH	251	251	
50105220	PIPE CULVERT REMOVAL	FOOT	58	58	
54210184	PIPE ELBOW, 15"	EACH	2	2	
54215550	METAL END SECTIONS 15"	EACH	1	1	
60100955	PIPE DRAINS 15"	FOOT	54	54	
60603500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	42	42	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	204	204	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	201	201	
61000050	CONCRETE THRUST BLOCKS	EACH	1	1	

URBAN

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FILE NAME = 2017 SMART Cedar St Extension.dgn	USER NAME = aubreyg	DESIGNED - DRAWN -	REVISED - REVISED -
	PLOT SCALE = 10.0000 "/ in.	CHECKED -	REVISED -
	PLOT DATE = 2/3/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13(CHB1).2.3(HVB)RS-2	TAZEWELL	55	5
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				

REV

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	ROADWAY 0005
67100100	MOBILIZATION	L SUM	1	1	
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1	
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	6	6	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	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	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	2340	2340	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	503	503	
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	187	187	
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	35669	35669	
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	2078	2078	
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	3891	3891	

URBAN

\* SPECIALTY ITEMS

FILE NAME : 2017 SMART Cedar St Extension.dgn	USER NAME : aubreyg	DESIGNED - DRAWN -	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE : 10.0000 / in.	CHECKED -	REVISED -	669			13CHB11.2.3:HVBIRS-2	TAZEWELL	55	6	
PLOT DATE : 2/3/2017	DATE -	REVISED -	CONTRACT NO. 68D51							
ILLINOIS FED. AIG PROJECT										

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	ROADWAY 0005
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	303	303	
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	52	52	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	144	144	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	42	42	
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1	
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	100	100	
Z0034105	MATERIAL TRANSFER DEVICE	TON	3426	3426	
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	

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\* SPECIALTY ITEMS

FILE NAME : 2017 SMART Cedar St Extension.dgn
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USER NAME : aubrygs
PLOT SCALE : 10.0000' / 1" =
PLOT DATE : 2/3/2017

DESIGNED -	REVISIONS -
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DATE -	REVISIONS -

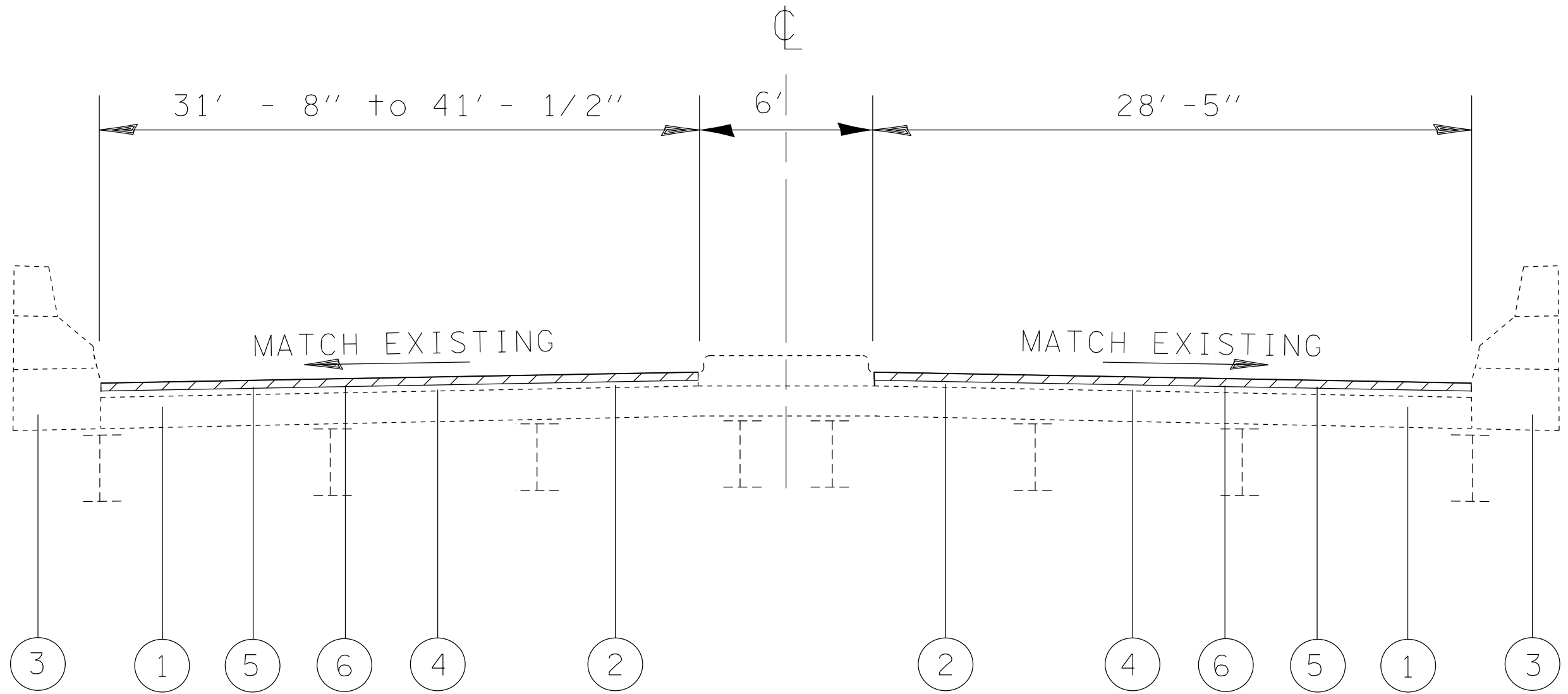
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DATE -	REVISIONS -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
603	13(HB)1,2,3(HVB)RS-2	TAZEWELL	55	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68051	

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*CEDAR STREET EXTENSION*

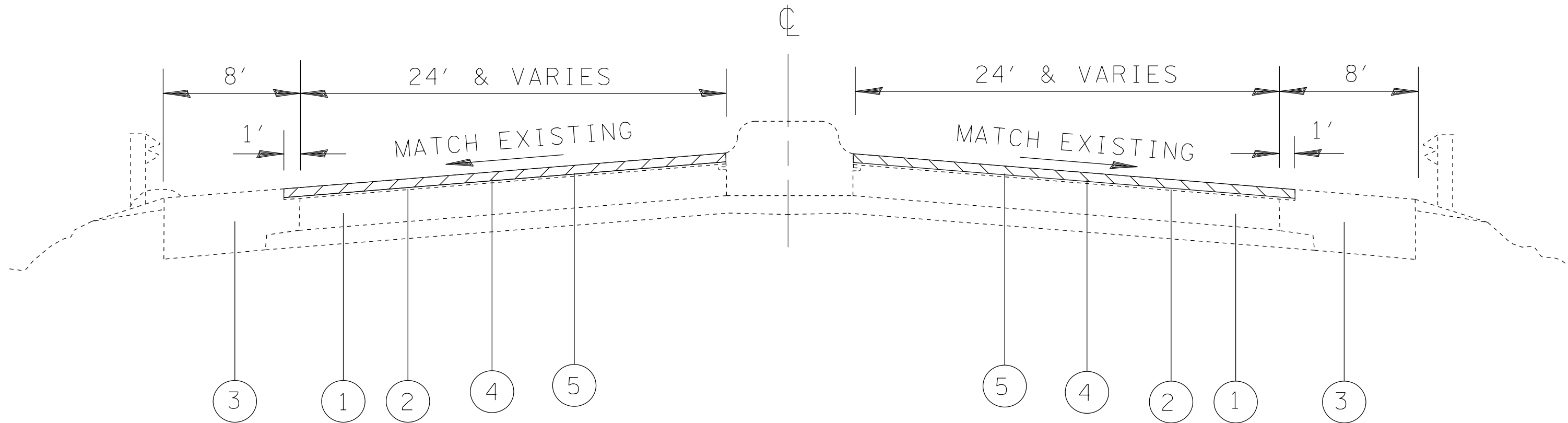
*Sta. 41+49 to Sta. 43+40 (SN 090-0031)*

- ① EXISTING REINFORCED CONCRETE DECK
- ② EXISTING HMA OVERLAY, 1 1/2"
- ③ EXISTING PARAPET
- ④ EXISTING WATERPROOFING MEMBRANE SYSTEM
- ⑤ PROPOSED HMA SURFACE REMOVAL, 1 1/4"
- ⑥ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX E, N50, 1 1/4"

FILE NAME = 2017 SMART Cedar St Extension.dgn copy	USER NAME = aubreygs	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	669	13[HB(1,2,3)HVB]RS-2	TAZEWELL
PLOT DATE = 2/3/2017	CHECKED -	REVISED -	REVISED -	CONTRACT NO. 68D51									
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT									





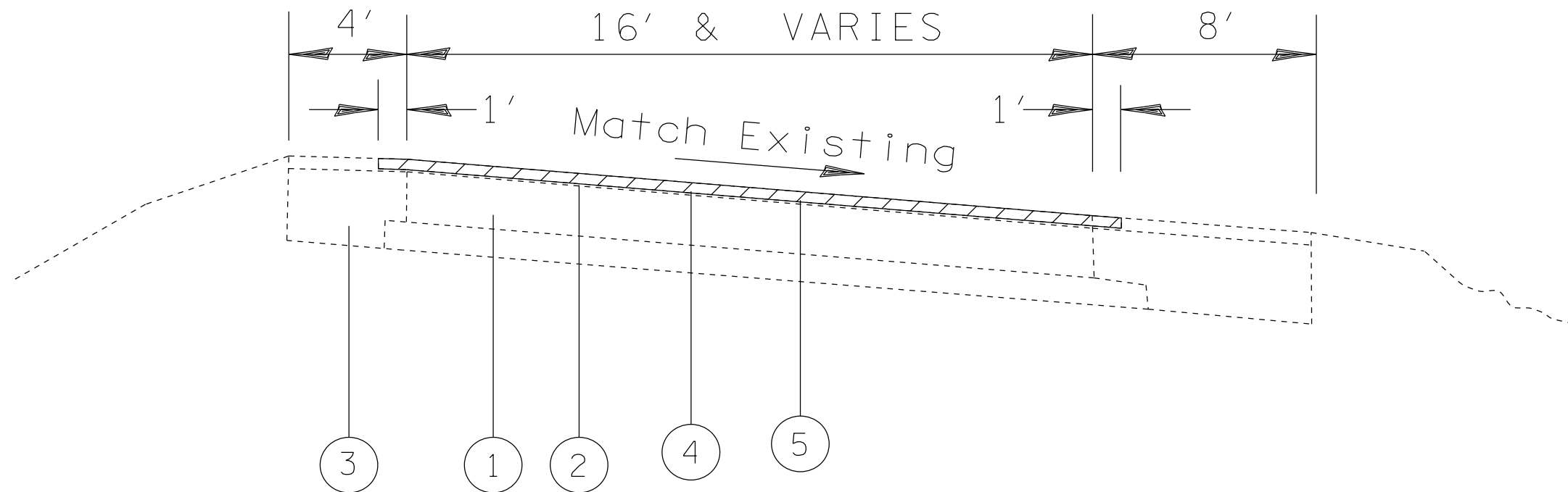


*CEDAR STREET EXTENSION*

*Sta. 37+60 to Sta. 41+49*  
*Sta. 43+40 to Sta. 55+17*  
*Sta. 56+94 to Sta. 65+06*  
*Sta. 66+84 to Sta. 74+78*

- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA OVERLAY, 2 1/2"
- ③ EXISTING HMA SHOULDER
- ④ PROPOSED HMA SURFACE REMOVAL, 1 3/4"
- ⑤ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N50, 1 3/4"

FILE NAME = 2017 SMART Cedar St Extension.dgn copy	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	669	13[HB(1,2,3);HVB]RS-2	TAZEWELL
PLOT DATE = 3/18/2017	CHECKED -	REVISED -	REVISED -					CONTRACT NO. 68D51			ILLINOIS FED. AID PROJECT		
	DATE -	REVISED -	REVISED -										



EDMUND & MAIN ST. RAMPS

- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA OVERLAY, 2 1/2"
- ③ EXISTING HMA SHOULDER
- ④ PROPOSED HMA SURFACE REMOVAL, 1 3/4"
- ⑤ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N50, 1 3/4"

FILE NAME =	USER NAME = \$USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
\$FILEL\$		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	11
\$MODELNAME\$		CHECKED -	REVISED -						CONTRACT NO. 68D51						
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

RESURFACING SCHEDULE											
STATION RANGE			NOTES	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT	POLY HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N50	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4"	BITUMINOUS MATERIALS (TACK COAT)	MATERIAL TRANSFER DEVICE		
				SY	TON	SY	SY	POUND	TON		
<b>MAINLINE</b>											
STA	37+60	TO	37+70	BUTT JOINT	56.67	5.55		40.80	5.55		
STA	37+70	TO	41+39			204.92	2,091.00	1,505.52	204.92		
STA	41+39	TO	41+49	BUTT JOINT	56.67	5.55		40.80	5.55		
STA	41+49	TO	43+40	SN 090-0031		97.70		1,395.79	1,004.97		
STA	43+40	TO	43+50	BUTT JOINT	56.67	5.55		40.80	5.55		
STA	43+50	TO	55+07			642.52	6,556.33	4,720.56	642.52		
STA	55+07	TO	55+17	BUTT JOINT	56.67	5.55		40.80	5.55		
STA	55+17	TO	56+84	SN 090-0032		71.44		1,020.56	734.80		
STA	56+84	TO	56+94	BUTT JOINT	56.67	5.55		40.80	5.55		
STA	56+94	TO	64+96			445.38	4,544.67	3,272.16	445.38		
STA	64+96	TO	65+06	BUTT JOINT	56.67	5.55		40.80	5.55		
STA	65+06	TO	66+84	SN 090-0033		97.56		1,393.74	1,003.49		
STA	66+84	TO	66+94	BUTT JOINT	56.67	5.55		40.80	5.55		
STA	66+94	TO	74+68			429.83	4,386.00	3,157.92	429.83		
STA	74+68	TO	74+78	BUTT JOINT	56.67	5.55		40.80	5.55		
STA	74+78	TO	79+16	SN 090-0034		187.37		2,676.67	1,927.20		
<b>EDMUND ST. RAMP "A"</b>											
STA	00+00	TO	00+10	BUTT JOINT	52.22	5.12		37.60	5.12		
STA	00+10	TO	13+61			345.86	3,529.23	2,541.05	345.86		
<b>EDMUND ST. RAMP "B"</b>											
STA	02+08	TO	10+77			229.89	2,345.82	1,688.99	229.89		
STA	10+77	TO	10+87	BUTT JOINT	81.67	8.00		58.80	8.00		
<b>EDMUND ST. RAMP "C"</b>											
STA	00+00	TO	00+10	BUTT JOINT	51.11	5.01		36.80	5.01		
STA	00+10	TO	12+30			342.42	3,494.07	2,515.73	342.42		
STA	12+30	TO	14+54	THIS QUANTITY IS INCLUDED IN SN 090-0033 ON MAINLINE							
STA	14+54	TO	17+25			17.71	180.67	130.08	17.71		
<b>EDMUND ST. RAMP "D"</b>											
STA	00+00	TO	11+07			230.48	2,351.84	1,693.32	230.48		
STA	11+07	TO	11+17	BUTT JOINT	71.67	7.02		51.60	7.02		
<b>MAIN ST. RAMP "A"</b>											
STA	79+16	TO	81+84	SN 090-0034		39.60		565.78	407.36		
STA	81+84	TO	81+94	BUTT JOINT	20.00	1.96		14.40	1.96		
STA	81+94	TO	82+83			17.44	178.00	128.16	17.44		
STA	82+83	TO	82+93	BUTT JOINT	20.00	1.96		14.40	1.96		
STA	82+93	TO	84+54	SN 090-0035		23.79		339.89	244.72		
STA	84+54	TO	84+64	BUTT JOINT	20.00	1.96		14.40	1.96		
STA	84+64	TO	90+81			120.93	1,234.00	888.48	120.93		
STA	90+81	TO	90+91	BUTT JOINT	20.00	1.96		14.40	1.96		
<b>MAIN ST. RAMP "B"</b>											
STA	79+16	TO	81+84	SN 090-0034		39.60		565.78	407.36		
STA	81+84	TO	81+94	BUTT JOINT	20.00	1.96		14.40	1.96		
STA	81+94	TO	82+83			17.44	178.00	128.16	17.44		
STA	82+83	TO	82+93	BUTT JOINT	20.00	1.96		14.40	1.96		
STA	82+93	TO	84+54	SN 090-0035		23.79		339.89	244.72		
STA	84+54	TO	84+64	BUTT JOINT	20.00	1.96		14.40	1.96		
STA	84+64	TO	90+92			123.09	1,256.00	904.32	123.09		
STA	92+90	TO	93+00	BUTT JOINT	110.56	10.83		79.60	10.83		
<b>MAIN ST. RAMP "C"</b>											
STA	00+00	TO	02+36	SN 090-0034		34.88		498.22	358.72		
STA	02+36	TO	02+46	BUTT JOINT	20.00	1.96		14.40	1.96		
STA	02+46	TO	05+80			65.46	668.00	480.96	65.46		
STA	05+80	TO	05+90	BUTT JOINT	20.00	1.96		14.40	1.96		
<b>MAIN ST. RAMP "D"</b>											
STA	00+67	TO	02+84	SN 090-0034		32.07		458.11	329.84		
STA	02+84	TO	02+94	BUTT JOINT	20.00	1.96		14.40	1.96		
STA	02+94	TO	06+90			77.62	792.00	570.24	77.62		
STA	06+90	TO	07+00	BUTT JOINT	151.11	14.81		108.80	14.81		
<b>TOTALS</b>					<b>1,172</b>	<b>4,074</b>	<b>33,786</b>	<b>9,254</b>	<b>31,832</b>	<b>3,426</b>	

FILE NAME = 2017 SMART Cedar St Extension.dgn  
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USER NAME = horstkj  
PLOT SCALE = 10.0000" / in.  
PLOT DATE = 3/18/2017

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	12
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				

TEMPORARY RAMP	
LOCATION	SQ YD
MAINLINE AT EDMUND RAMP A	100.0
MAINLINE AT EDMUND RAMP B	100.0
MAINLINE AT EDMUND RAMP C	100.0
MAINLINE AT EDMUND RAMP D	100.0
<b>TOTAL</b>	<b>400.0</b>

CLASS B PATCHES											
LOCATION	SIZE	SQ YD	QUANTITY	CLASS B PATCHES, TYPE II, 12"	CLASS B PATCHES, TYPE III, 12"	CLASS B PATCHES, TYPE IV, 12"	DOWEL BARS	SAW CUTS	DEFORMED BARS- EXPANSION JOINT	CLASS B PATCH- EXPANSION JOINT	TIE BARS 3/4"
				SY	SY	SY	EACH	FT	EACH	FT	EACH
MAINLINE-EBL	6' X 12'	8.0	35	280			700	1680			
	8' X 12'	10.7	2	21			40	104			
	10' X 12'	13.3	1	13			20	56			
	40' X 12'	53.3	3			160	120	348			126
	45' X 12'	60.0	2			120	80	252			92
	6' X 12' EXPANSION	8.0	2	16			20	96	20	24	
MAINLINE-EBL	6' X 12'	8.0	15	120			300	720			
	8' X 12'	10.7	2	21			40	104			
	15' X 12'	20.0	2		40		40	132			
	6' X 12' EXPANSION	8.0	3	24			30	144	30	36	
EDMUND ST-RAMP "A"	6' X 12'	8.0	4	32			80	192			
EDMUND ST-RAMP "B"	6' X 12'	8.0	6	48			120	288			
	6' X 16'	10.7	3	32			84	180			
EDMUND ST-RAMP "C"	6' X 12'	8.0	1	8			20	48			
	6' X 16'	10.7	5	53			140	300			
	6' X 16' EXPANSION	10.7	2	21			28	120	28	32	
EDMUND ST-RAMP "D"	6' X 12'	8.0	8	64			160	384			
	6' X 16'	10.7	2	21			56	120			
SUB-TOTALS:				776	40	280	2078	5268	78	92	218
INCREASE FOR WINTER BREAK-UP (15%):				116	6	42	312	790	12	14	33
<b>TOTALS:</b>				<b>892</b>	<b>46</b>	<b>322</b>	<b>2390</b>	<b>6058</b>	<b>90</b>	<b>106</b>	<b>251</b>

FILE NAME = 2017 SMART Cedar St Extension.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	13
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				

LOCATION				MODIFIED URETHANE PAVEMENT MARKING- LINE 4" (WHITE)	MODIFIED URETHANE PAVEMENT MARKING- LINE 4" (YELLOW)	MODIFIED URETHANE PAVEMENT MARKING- LINE 6"	MODIFIED URETHANE PAVEMENT MARKING- LINE 8"	MODIFIED URETHANE PAVEMENT MARKING- LINE 12"	MODIFIED URETHANE PAVEMENT MARKING- LINE 24"	MODIFIED URETHANE PAVEMENT MARKING- LETTERS AND SYMBOLS
				FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SF
<b>CEDAR STREET</b>										
EB LT STA.	37+60	TO	79+16	4,156	4,156	1,039				31.2
WB LT STA.	37+60	TO	79+16	4,156	4,156	1,039				
<b>EDMUND STREET</b>										
RAMP A										
STA.	0+00	TO	13+61	1,957	1,361		632			
RAMP B										
STA.	0+00	TO	10+87	1,087	1,087		530	113	26	62.4
RAMP C										
STA.	0+00	TO	17+25	2,522	1,725		400			
RAMP D										
STA.	0+00	TO	11+17	1,117	1,117		1,036	190	25	93.6
<b>MAIN STREET</b>										
RAMP A										
STA.	79+16	TO	90+43	1,127	1,127		160			
RAMP B										
STA.	79+16	TO	91+02	1,186	1,186		105			
RAMP C										
STA.	0+00	TO	5+90	590	590		564			
RAMP D										
STA.	0+67	TO	7+00	633	633		464			
<b>TOTAL</b>				<b>35,669</b>		<b>2,078</b>	<b>3,891</b>	<b>303</b>	<b>52</b>	<b>187</b>

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3);HVB]RS-2	TAZEWELL	55	14
CONTRACT NO. 68D51			ILLINOIS FED. AID PROJECT	

TRAFFIC CONTROL AND PROTECTION							
LOCATION	STD. 701422	STD. 701411	STD. 701601	STD. 701602	STD. 701701	STD. 701801	TRAF CONT & PROT SPL
	L SUM	EACH	L SUM	L SUM	L SUM	L SUM	L SUM
JOBSITE	1	6	1	1	1	1	1
<b>TOTAL</b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>

<b>MOBILIZATION</b>
<b>1 LUMP SUM</b>

<b>RAILROAD PROTECTIVE LIABILITY INSURANCE</b>
<b>1 LUMP SUM</b>

<b>CHANGEABLE MESSAGE SIGN</b>	
<b>LOCATION</b>	<b>CAL DAY</b>
JOBSITE	100

<b>TRAFFIC CONTROL SURVEILLANCE</b>	
<b>LOCATION</b>	<b>CAL DAY</b>
JOBSITE	10

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULE OF QUANTITIES</b>			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	15
				CONTRACT NO. 68D51
ILLINOIS FED. AID PROJECT				

SCHEDULE OF SHORT TERM PAVEMENT MARKINGS									
LOCATION				SHORT TERM PAVEMENT MARKINGS					SHORT TERM PAVEMENT MARKING REMOVAL
				LENGTH	CENTERLINE	NO OF APPLICATIONS	EDGELINE	NO OF APPLICATIONS	
				FT	FT		FT		
<b>CEDAR ST.</b>									
STA.	37+60	TO STA.	79+16	4,156	1,662	2	332	1	388
<b>EDMUND ST.</b>									
RAMP A									
STA.	0+00	TO STA.	13+61	1,361			54	1	18
RAMP B									
STA.	2+08	TO STA.	10+87	879			35	1	12
RAMP C									
STA.	0+00	TO STA.	17+25	1,725			69	1	23
RAMP D									
STA.	0+00	TO STA.	11+17	1,117			45	1	15
<b>MAIN ST.</b>									
RAMP A									
STA.	79+16	TO STA.	90+43	1,127			45	1	15
RAMP B									
STA.	79+16	TO STA.	91+02	1,186			47	1	16
RAMP C									
STA.	0+00	TO STA.	5+90	590			24	1	8
RAMP D									
STA.	0+67	TO STA.	7+00	633			25	1	8
<b>TOTAL</b>				<b>2,340</b>					<b>503</b>

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3);HVB]RS-2	TAZEWELL	55	16
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				



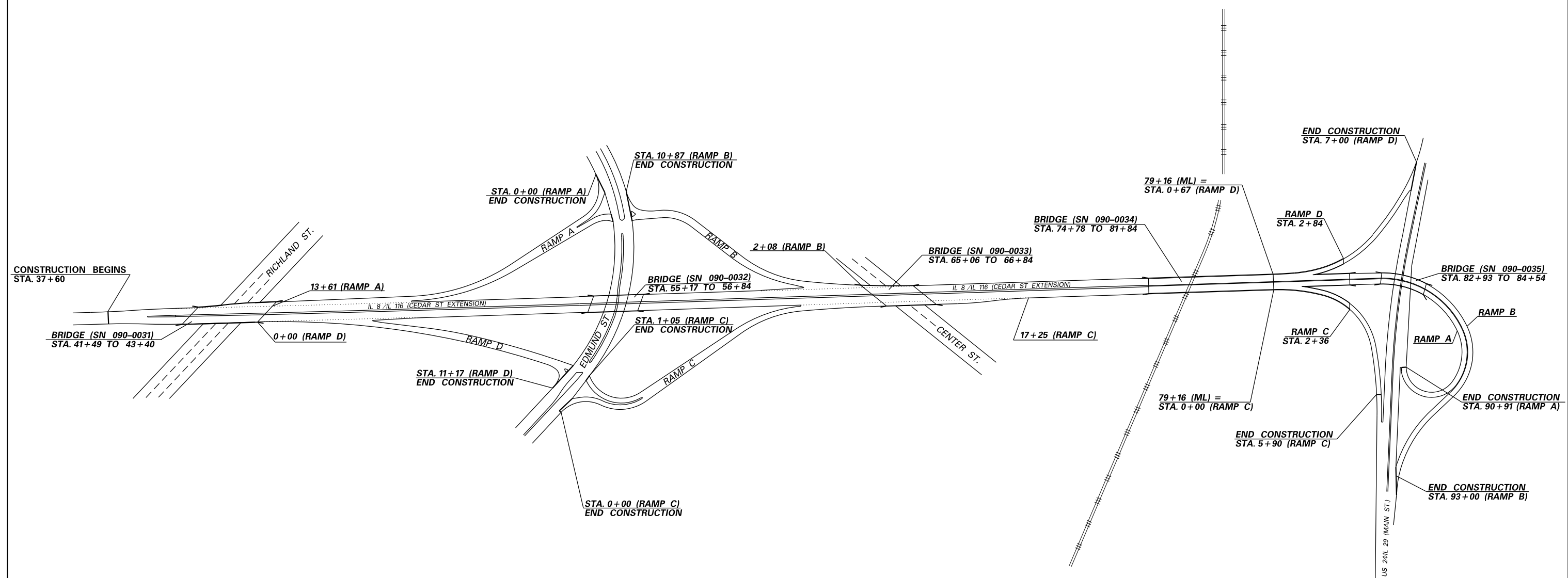
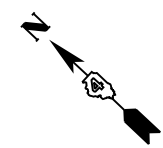
RAISED REFLECTIVE PAVEMENT MARKER						
LOCATION			ONE-WAY CRYSTAL 40' OC	ONE-WAY CRYSTAL 80' OC	TWO-WAY AMBER 40' OC	
			EACH			
<b>CEDAR ST.</b>						
EBL STA.	37+60	TO STA.	79+16		52	5
WBL STA.	37+60	TO STA.	79+16		52	
RAMP GORES - EDMUND STREET INTERCHANGE						
RAMP A WBL STA.			47+50 TO STA.	48+90	9	
RAMP B WBL STA.			62+60 TO STA.	63+20	6	
RAMP C EBL STA.			62+50 TO STA.	64+10	10	
RAMP D EBL STA.			46+50 TO STA.	47+55	10	
<b>TOTAL</b>				<b>144</b>		

NOTE: NO RRPM'S TO BE PLACED ON BRIDGE DECKS

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	
LOCATION	EACH
<b>CEDAR ST.</b>	
EBL STA. 37+60 TO STA. 79+16	7
WBL STA. 37+60 TO STA. 79+16	3
RAMP GORES - EDMUND STREET INTERCHANGE	
RAMP A WBL STA. 47+50 TO STA. 48+90	8
RAMP B WBL STA. 62+60 TO STA. 63+20	5
RAMP C EBL STA. 62+50 TO STA. 64+10	10
RAMP D EBL STA. 46+50 TO STA. 47+55	9
<b>TOTAL</b>	<b>42</b>

DRAINAGE SCHEDULE								
LOCATION	TOPSOIL FURNISH AND PLACE, 4"	STONE RIPRAP, CLASS B3	FILTER FABRIC	PIPE CULVERT REMOVAL	PIPE ELBOW, 15"	METAL END SECTIONS 15"	PIPE DRAINS 15"	CONCRETE THRUST BLOCKS
	SY	SY	SY	FT	EACH	EACH	FT	EACH
MAINLINE-EBL STA 72+50 RT	60	1	1	58	2	1	54	1





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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>LINE DIAGRAM</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	20
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				

## DETOUR SIGN INVENTORY

SIGN	DESCRIPTION	TOTAL
	W20-2 48X48	3
	M4-9 (R) 48 X 36 OVERSIZE	2
	M4-9 (L) 30 X 24	3
	M4-9 (R) 30 X 24	5
	30 X 24	5
	M4-8a 24 X 18	2
	30 X 24	5
	30 X 24	1
	M3-2 24 X 12 BLACK ON WHITE	12
	M3-4 24 X 12 BLACK ON WHITE	12
	M1-I100 30 X 24 BLACK ON WHITE	24
	M1-I100 30 X 24 BLACK ON WHITE	24
	24 X 12 WHITE ON GREEN	1
	24 X 12 WHITE ON GREEN	1

SIGN	DESCRIPTION	TOTAL
	48 X 48 BLACK ON ORANGE	1
	48 X 48 BLACK ON ORANGE	2
	M5-6 24 X 18 BLACK ON WHITE	2
	SEE SIGN PANEL DETAIL	2
	M6-2 21 X 15 BLACK ON ORANGE	4
	M6-2 21 X 15 BLACK ON ORANGE	4
	W20-3 (O)- 48	6
	W20-3 (O)- 48	2
	R11-2 48 X 30	4

### NOTES:

21 DAY NOTICE REQUIRED PRIOR TO CLOSING THE ROAD.

3 MESSAGE BOARDS SHALL BE USED TO ADVANCE WARN OF THE CLOSURE. LOCATION SHALL BE DISCUSSED AT THE PRECONSTRUCTION MEETING. THESE MESSAGE BOARDS SHALL BE USED FOR ONE WEEK LEADING UP TO THE DAY OF THE CLOSURE TO ADVANCE WARN THE TRAVELLING PUBLIC.

# IL 8/116 CEDAR STREET BRIDGE DETOUR/CLOSURE

## E-BND DETOUR SIGNAGE

**DETOUR**  
  
**DETOUR AHEAD**  
  
**EAST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY EACH FROM ADAMS ST. TO WASHINGTON ST. ON EB IL 8/116.

**DETOUR**  
  
 1 ASSEMBLY 100' IN ADVANCE OF SIGNALS @ ADAMS ST..  
**EAST**  
  
 ILLINOIS 8 116

**DETOUR TRAFFIC USE E-BND 474**  
  
**RIGHT LANE**

2 ASSEMBLIES @ WEST SIDE OF VIADUCT OVER RR-PARALLEL TO EACH OTHER.

**DETOUR**  
  
**EAST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY 1000' IN ADVANCE OF E-BND I-474 ENTRANCE RAMP.

**DETOUR**  
  
**EAST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY 300' IN ADVANCE OF EB I-474 ENTRANCE RAMP. **OVERSIZE**

**DETOUR**  
  
**EXIT 9**  
  
**EAST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY DIRECTLY ADJACENT TO EXISTING GREEN INTERSTATE EXIT 9 SIGN ON WEST SIDE OF SHADE LOHMAN BRIDGE.

**DETOUR**  
  
**EAST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY DIRECTLY ADJACENT TO EXISTING GREEN INTERSTATE EXIT 9 SIGN ON EAST SIDE OF SHADE LOHMAN BRIDGE.

**DETOUR**  
  
**EAST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY DIRECTLY ADJACENT TO EXISTING GREEN INFORMATION SIGN ON SOUTH SIDE OF RAMP.

**DETOUR**  
  
**EAST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY BETWEEN I-474 AND CEDAR STREET BRIDGE ON IL 29 .

**EAST IL 8/116 (CEDAR ST. BRIDGE) CLOSED FOLLOW DETOUR**  
  
 1 ASSEMBLY ON WASHINGTON ST. NORTH/EAST SIDE OF RR VIADUCT.

**DETOUR**  
  
**EAST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY LOCATED 1800' IN ADVANCE OF WASHINGTON ST./ADAMS ST. SPLIT.

**DETOUR**  
  
**EAST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY AT THE U-TURN LOOP.

**END DETOUR**  
  
**EAST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY PRIOR TO CEDAR STREET EXTENSION RAMPS ON N-BND IL 29.

## W-BND DETOUR SIGNAGE

**DETOUR AHEAD**  
  
**WEST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY LOCATED ADJACENT TO HARDEES- EAST PEORIA ON IL 116.

**DETOUR**  
  
**WEST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY LOCATED TO WB CEDAR ST. ENTRANCE RAMP.

**DETOUR**  
  
**WEST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY BETWEEN I-474 AND CEDAR STREET BRIDGE ON IL 29 .

**DETOUR**  
  
**WEST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY 500' IN ADVANCE OF WB I-474 ENTRANCE RAMP.

**DETOUR**  
  
**WEST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY JUST SOUTH OF FISCHER ST. AT SIGNALS PRIOR TO W-BND I-474 ENTRANCE RAMP.

**DETOUR**  
  
**EXIT 6B**  
  
**WEST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY 1500' IN ADVANCE OF WB I-474 EXIT 6B.

**DETOUR**  
  
**WEST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY 300' IN ADVANCE OF WB I-474 EXIT 6B. **OVERSIZE**

**DETOUR**  
  
**WEST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY LOCATED 1800' IN ADVANCE OF WASHINGTON ST./ADAMS ST. SPLIT.

**DETOUR**  
  
**WEST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY LOCATED 300' IN ADVANCE OF WASHINGTON ST./ADAMS ST. SPLIT.

**END DETOUR**  
  
**WEST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY LOCATED 100' IN ADVANCE OF WASHINGTON ST./IL 8 & 116.

## MISC. DETOUR SIGNAGE

**WEST IL 8/116 (CEDAR ST. BRIDGE) CLOSED FOLLOW DETOUR**  
  
 1 ASSEMBLY LOCATED AT THE FOLLOWING:  
 -100' NORTH OF LASALLE BLVD. IN NORTH PEKIN  
 - 100' IN ADVANCE OF EXIT 9 ON W-BND 474

**DETOUR**  
  
**WEST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY ON N-BND IL 29 ADJACENT TO US/24 BARTONVILLE SIGN TO W-BND I-474.

**DETOUR**  
  
**WEST**  
  
 ILLINOIS 8 116  
 1 ASSEMBLY ON W-BND I-474 ADJACENT TO EXIT 9 SIGN IN THE GORE AREA.

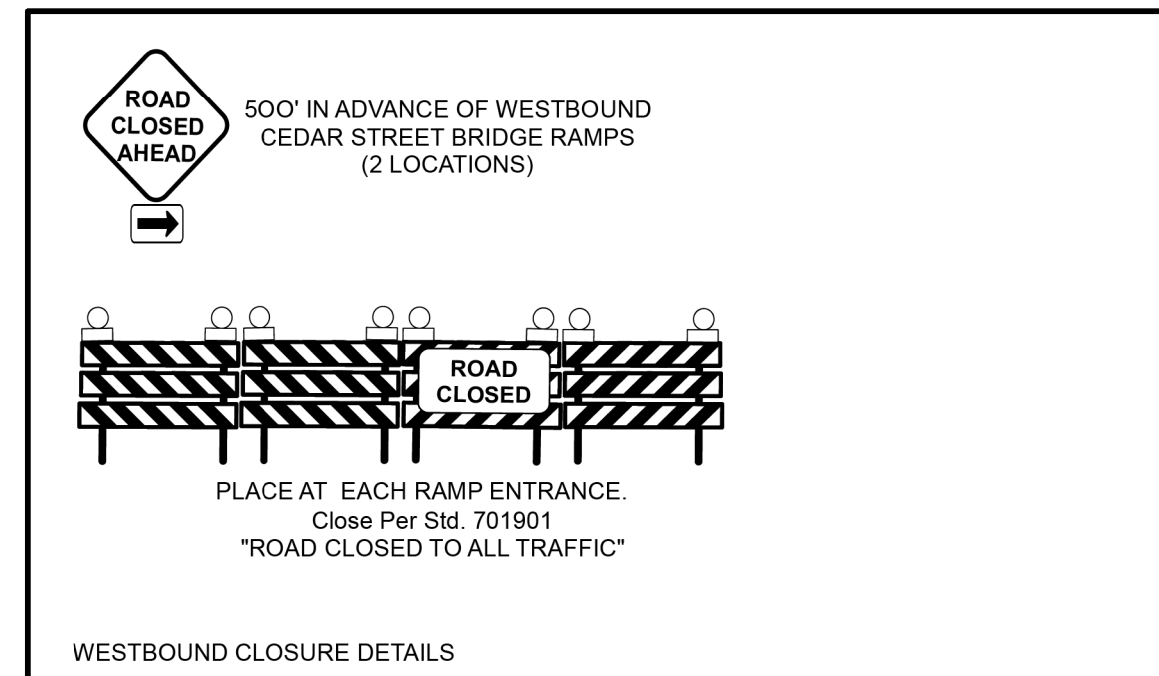
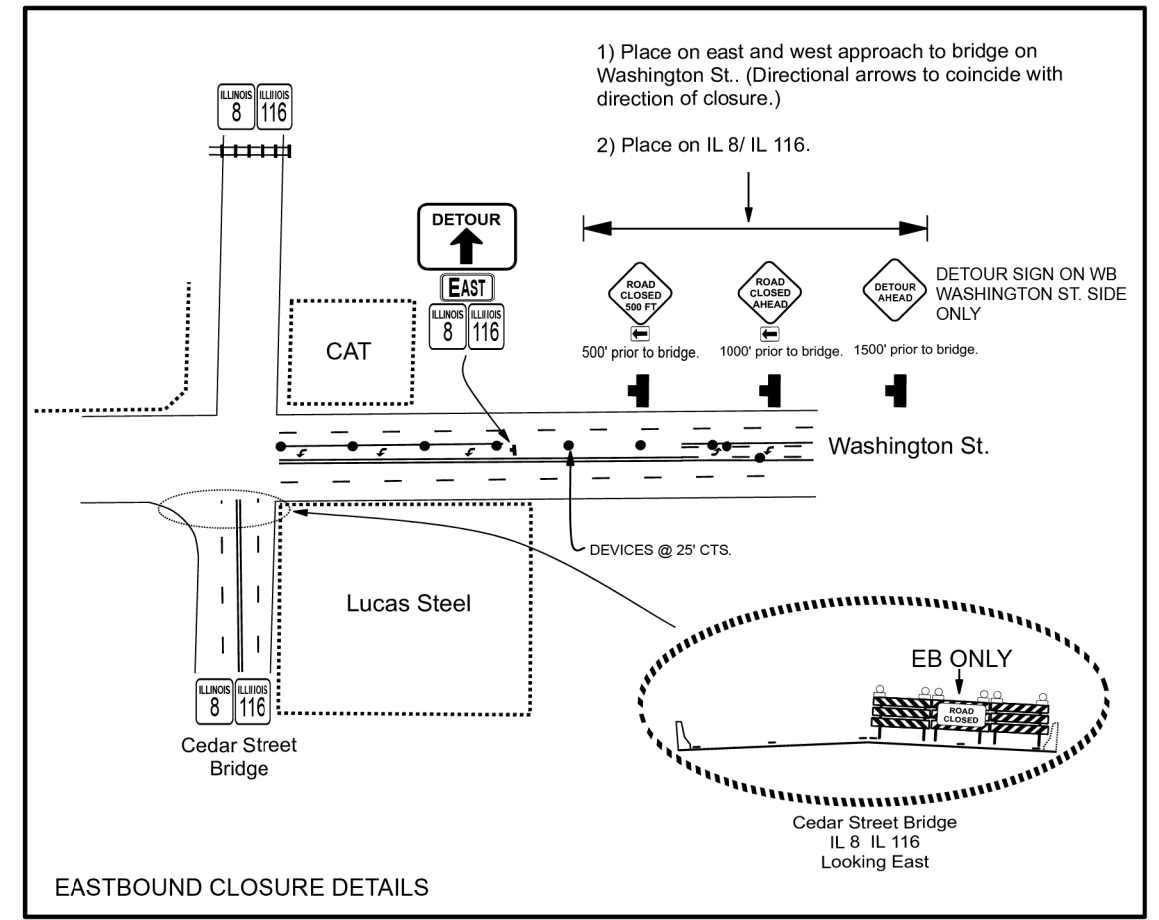
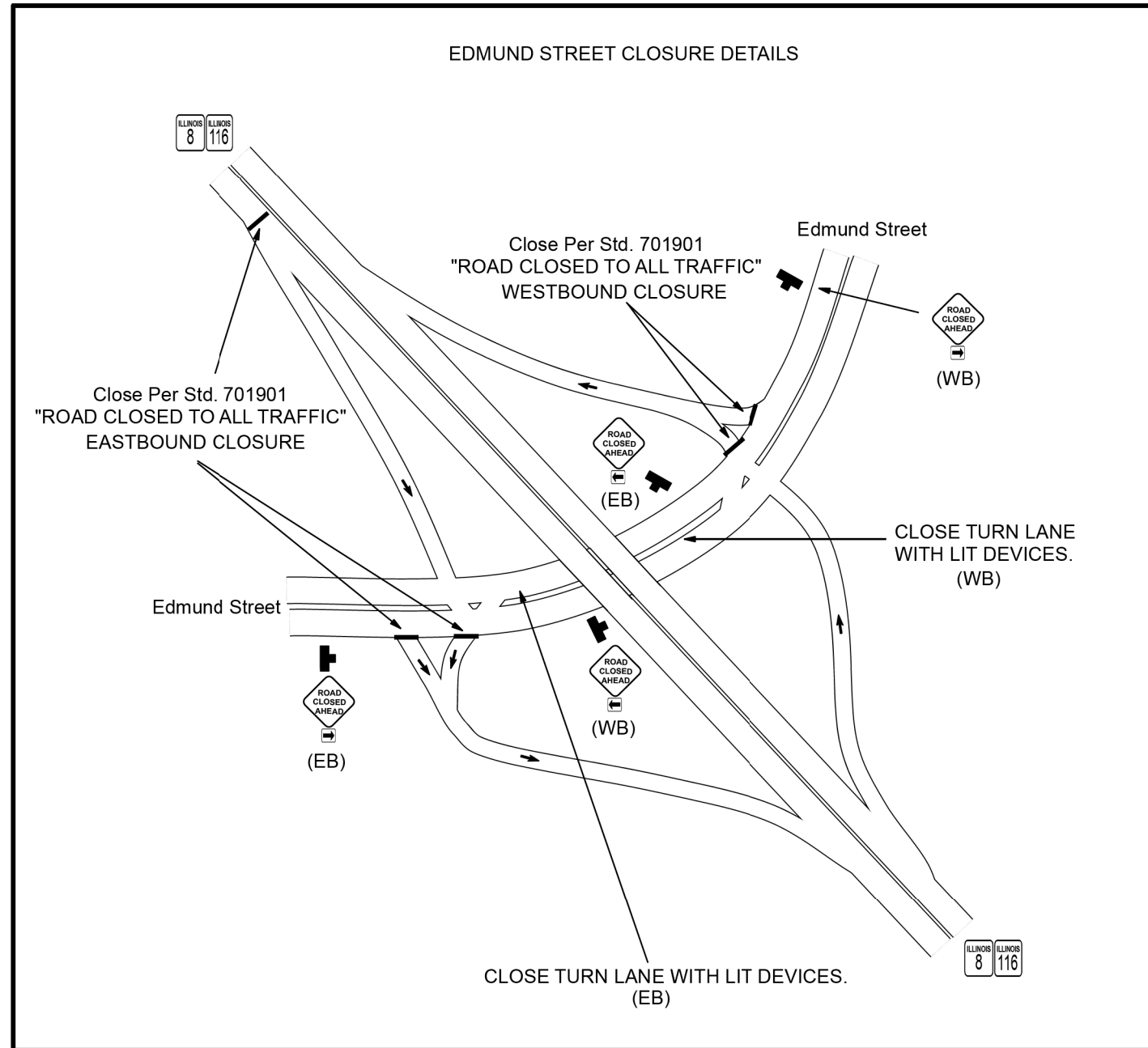
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	PLOT DATE = 2/3/2017	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETOUR/CLOSURE DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	22
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				

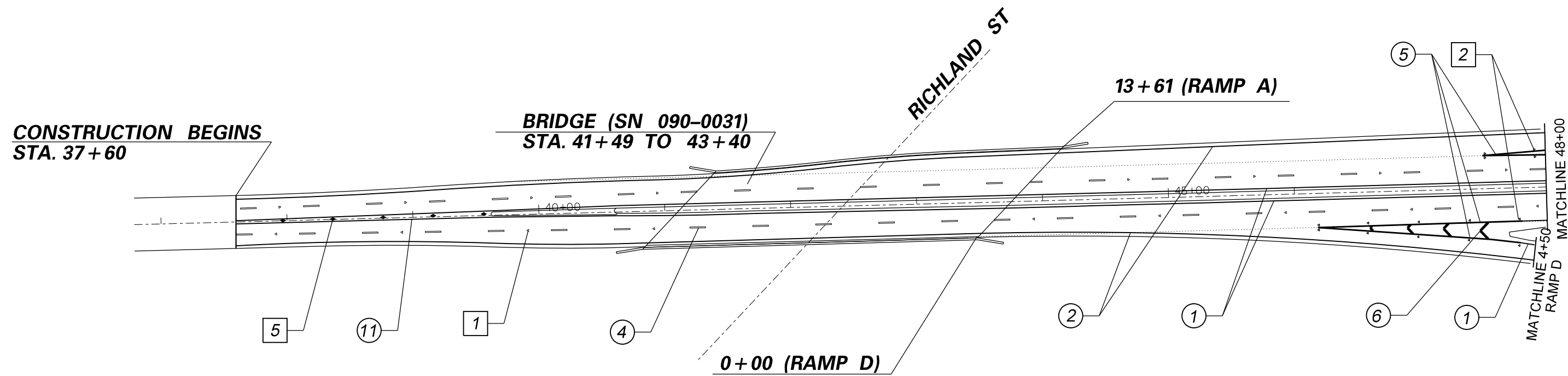
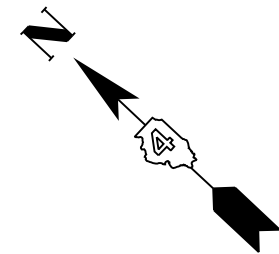


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DETOUR/CLOSURE DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3);HVB]RS-2	TAZEWELL	55	23
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND		RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)	
① 100 (4) SOLID (YELLOW)		① ◀ ONE-WAY CRYSTAL MARKER AT 24.38 m(80') CENTERS	
② 100 (4) SOLID (WHITE)		② ◀ ONE-WAY CRYSTAL MARKER AT 12.19 m(40') CENTERS	
③ 2-150 (6) CROSSWALK @ min. 2 m (6.5') c.c. (WHITE)		③ ◀ ONE-WAY CRYSTAL MARKER AT 6.10 m(20') CENTERS	
④ 150 (6) SKIP DASH (WHITE)		④ ◀ ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS	
⑤ 200 (8) SOLID (WHITE)		⑤ ▶ TWO-WAY AMBER MARKER AT 12.19 m(40') CENTERS	
⑥ 300 (12) DIAGONAL (WHITE)		◀ ONE-WAY CRYSTAL MARKER	
⑦ 600 (24) STOP BAR (WHITE)		◀ ONE-WAY AMBER MARKER	
⑧ LETTERS AND ARROWS			
⑨ .			
⑩ 300 (12) DIAGONAL (YELLOW)			
⑪ 100 (4) DOUBLE (YELLOW)			
⑫ 100 (4) SKIP DASH (YELLOW)			

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)	
①	▶ ONE WAY YELLOW R.R.P.M.
▷	▶ ONE WAY WHITE R.R.P.M.

All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME = 2017 SMART Cedar St Extension.dgn	USER NAME = aubreys	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	24
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				

**NOT TO SCALE**



**PAVEMENT MARKING LEGEND**

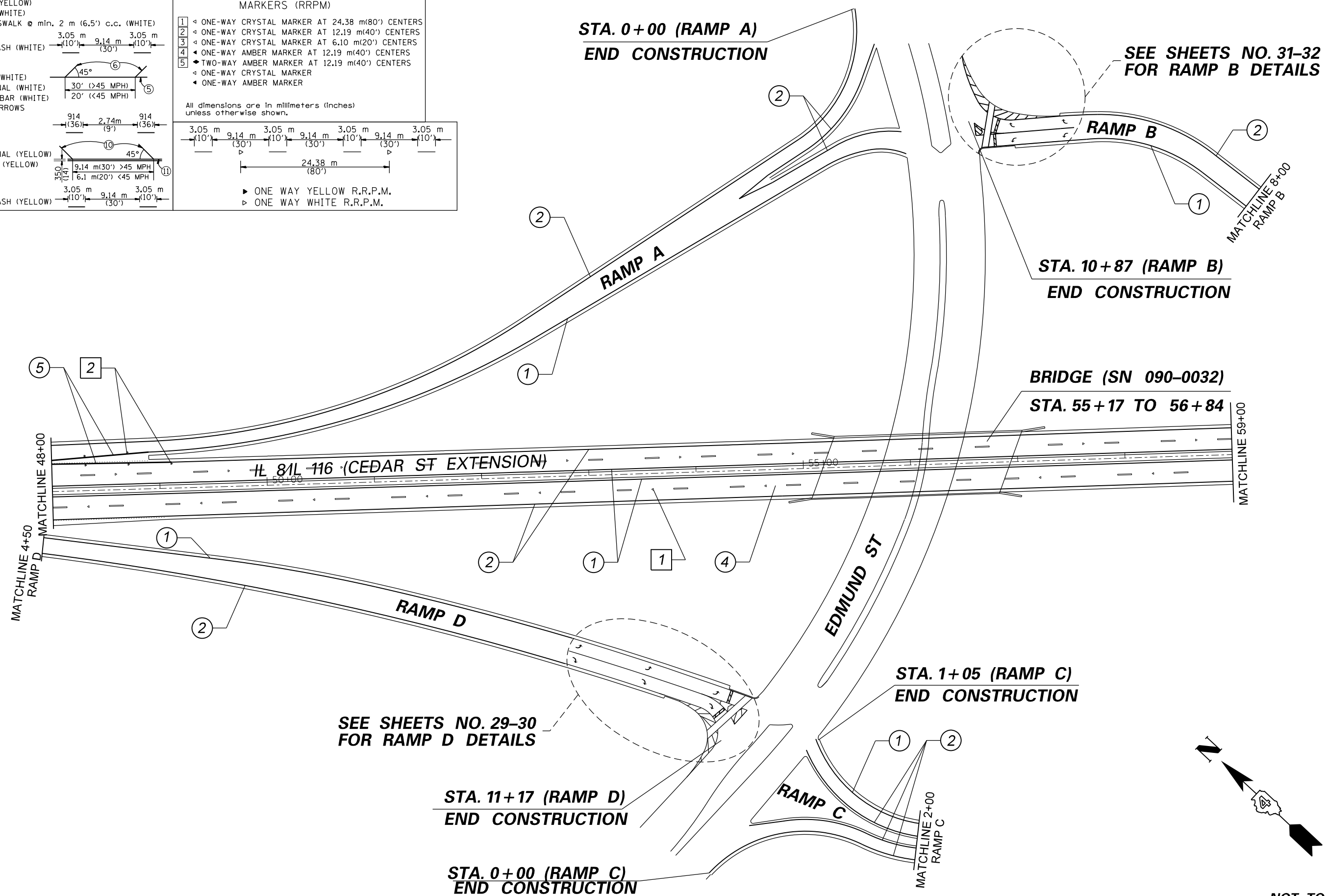
① 100 (4) SOLID (YELLOW)	⑤ 200 (8) SOLID (WHITE)
② 100 (4) SOLID (WHITE)	⑥ 300 (12) DIAGONAL (WHITE)
③ 2-150 (6) CROSSWALK @ min. 2 m (6.5') c.c. (WHITE)	⑦ 600 (24) STOP BAR (WHITE)
④ 150 (6) SKIP DASH (WHITE)	⑧ LETTERS AND ARROWS
⑩ 300 (12) DIAGONAL (YELLOW)	⑪ 100 (4) DOUBLE (YELLOW)
⑫ 100 (4) SKIP DASH (YELLOW)	

**RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)**

① < ONE-WAY CRYSTAL MARKER AT 24.38 m(80') CENTERS
② < ONE-WAY CRYSTAL MARKER AT 12.19 m(40') CENTERS
③ < ONE-WAY CRYSTAL MARKER AT 6.10 m(20') CENTERS
④ < ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS
⑤ < TWO-WAY AMBER MARKER AT 12.19 m(40') CENTERS
< ONE-WAY CRYSTAL MARKER
< ONE-WAY AMBER MARKER

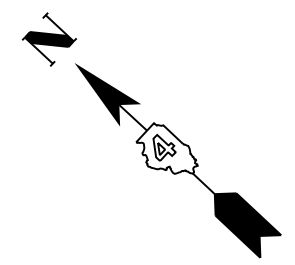
All dimensions are in millimeters (Inches) unless otherwise shown.

① < ONE WAY YELLOW R.R.P.M.
② < ONE WAY WHITE R.R.P.M.



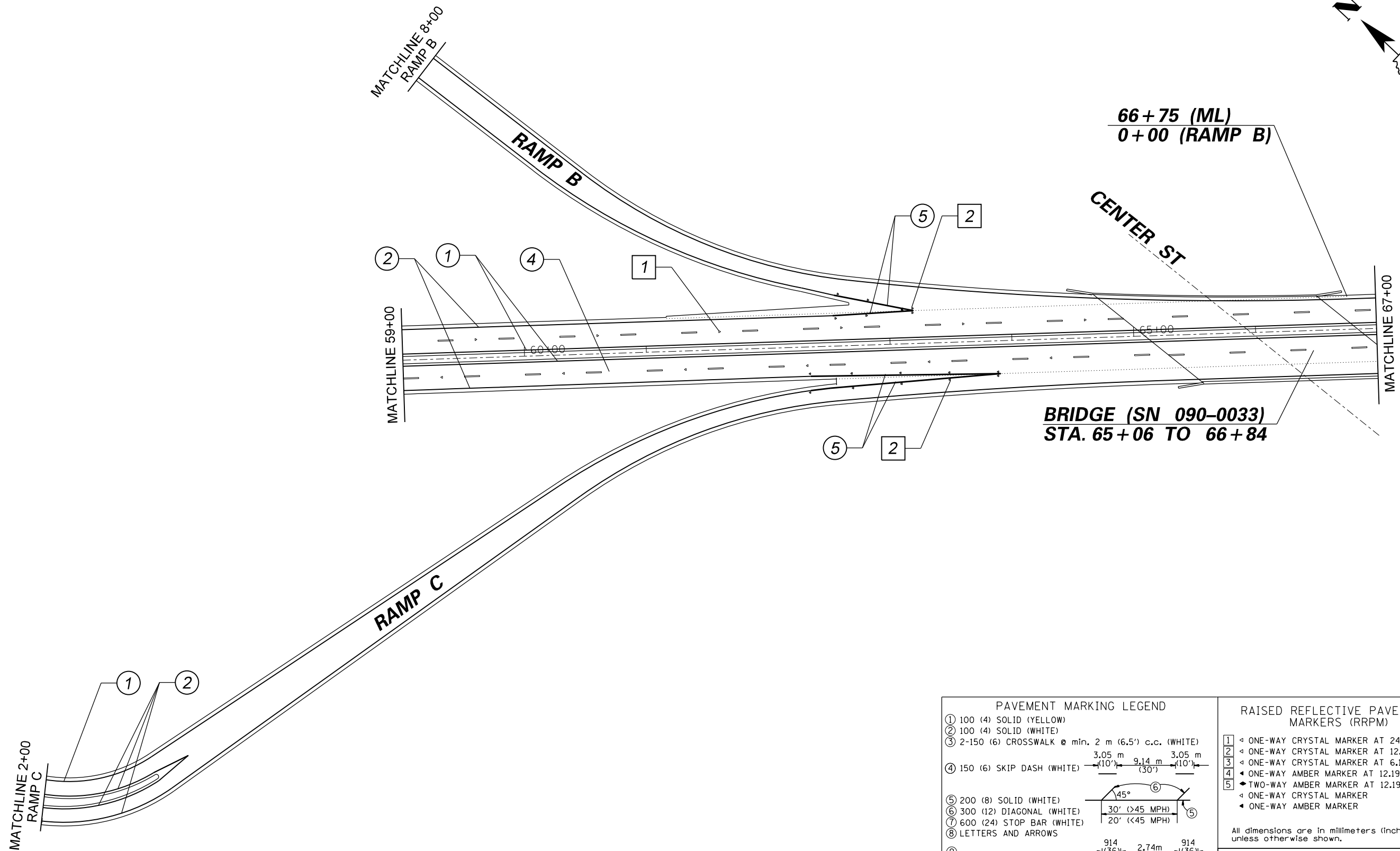
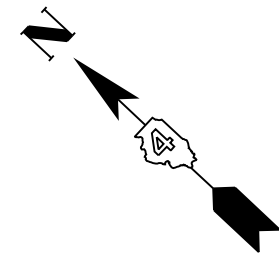
SEE SHEETS NO. 31-32 FOR RAMP B DETAILS

SEE SHEETS NO. 29-30 FOR RAMP D DETAILS



NOT TO SCALE

FILE NAME = 2017 SMART Cedar St Extension.dgn	USER NAME = aubreys	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKINGS</b>				F.A.P. RTE. 669	SECTION 13[HB(1,2,3)HVB]RS-2	COUNTY TAZEWELL	TOTAL SHEETS 55	SHEET NO. 25
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 68D51	
PLOT DATE = 2/3/2017	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT								



PAVEMENT MARKING LEGEND		RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)	
①	100 (4) SOLID (YELLOW)	①	◀ ONE-WAY CRYSTAL MARKER AT 24.38 m(80') CENTERS
②	100 (4) SOLID (WHITE)	②	◀ ONE-WAY CRYSTAL MARKER AT 12.19 m(40') CENTERS
③	2-150 (6) CROSSWALK @ min. 2 m (6.5') c.c. (WHITE)	③	◀ ONE-WAY CRYSTAL MARKER AT 6.10 m(20') CENTERS
④	150 (6) SKIP DASH (WHITE)	④	◀ ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS
⑤	200 (8) SOLID (WHITE)	⑤	◀ TWO-WAY AMBER MARKER AT 12.19 m(40') CENTERS
⑥	300 (12) DIAGONAL (WHITE)	⑥	◀ ONE-WAY CRYSTAL MARKER
⑦	600 (24) STOP BAR (WHITE)	⑦	◀ ONE-WAY AMBER MARKER
⑧	LETTERS AND ARROWS		
⑨			
⑩	300 (12) DIAGONAL (YELLOW)		
⑪	100 (4) DOUBLE (YELLOW)		
⑫	100 (4) SKIP DASH (YELLOW)		

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM) - DIMENSIONS	
①	24.38 m (80')
②	12.19 m (40')
③	6.10 m (20')
④	12.19 m (40')
⑤	12.19 m (40')
⑥	30' (>45 MPH)
⑦	20' (<45 MPH)
⑩	30' (>45 MPH)
⑪	9.14 m(30') >45 MPH
⑪	6.1 m(20') <45 MPH
⑫	3.05 m (10')
⑫	9.14 m (30')
⑫	3.05 m (10')

All dimensions are in millimeters (inches) unless otherwise shown.

▶ ONE WAY YELLOW R.R.P.M.  
▷ ONE WAY WHITE R.R.P.M.

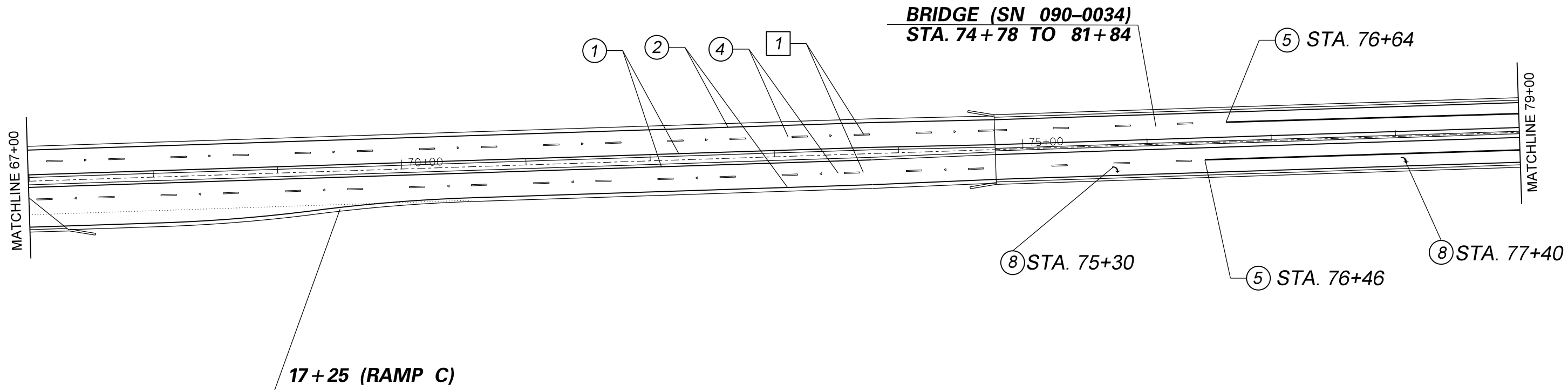
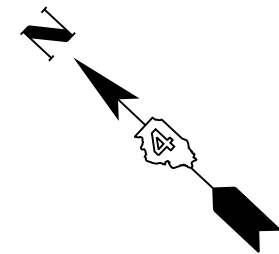
FILE NAME = 2017 SMART Cedar St Extension.dgn	USER NAME = aubreys	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	26
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				

**NOT TO SCALE**



PAVEMENT MARKING LEGEND		RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)	
① 100 (4) SOLID (YELLOW)		① ◀ ONE-WAY CRYSTAL MARKER AT 24.38 m(80') CENTERS	
② 100 (4) SOLID (WHITE)		② ◀ ONE-WAY CRYSTAL MARKER AT 12.19 m(40') CENTERS	
③ 2-150 (6) CROSSWALK @ min. 2 m (6.5') c.c. (WHITE)		③ ◀ ONE-WAY CRYSTAL MARKER AT 6.10 m(20') CENTERS	
④ 150 (6) SKIP DASH (WHITE)		④ ◀ ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS	
⑤ 200 (8) SOLID (WHITE)		⑤ ▶ TWO-WAY AMBER MARKER AT 12.19 m(40') CENTERS	
⑥ 300 (12) DIAGONAL (WHITE)		◀ ONE-WAY CRYSTAL MARKER	
⑦ 600 (24) STOP BAR (WHITE)		◀ ONE-WAY AMBER MARKER	
⑧ LETTERS AND ARROWS			
⑨ .			
⑩ 300 (12) DIAGONAL (YELLOW)			
⑪ 100 (4) DOUBLE (YELLOW)			
⑫ 100 (4) SKIP DASH (YELLOW)			
		▶ ONE WAY YELLOW R.R.P.M.	
		▷ ONE WAY WHITE R.R.P.M.	

All dimensions are in millimeters (inches) unless otherwise shown.

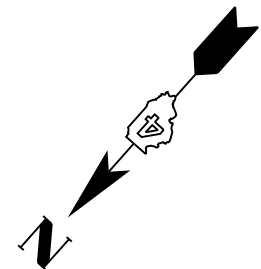
FILE NAME = 2017 SMART Cedar St Extension.dgn	USER NAME = aubreys	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
copy	PLOT DATE = 2/3/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 669	SECTION 13[HB(1,2,3)HVB]RS-2	COUNTY TAZEWELL	TOTAL SHEETS 55	SHEET NO. 27
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				

**NOT TO SCALE**



**BRIDGE (SN 090-0035)  
STA. 82+93 TO 84+54**

**END CONSTRUCTION  
STA. 90+91 (RAMP A)**

**END CONSTRUCTION  
STA. 93+00 (RAMP B)**

**MAIN ST ( IL 29 )**

**END CONSTRUCTION  
STA. 7+00 (RAMP D)**

**END CONSTRUCTION  
STA. 5+90 (RAMP C)**

**79+16 (ML)  
STA. 0+67 (RAMP D)**

**79+16 (ML)  
STA. 0+00 (RAMP C)**

MATCHLINE 79+00

**PAVEMENT MARKING LEGEND**

① 100 (4) SOLID (YELLOW)	
② 100 (4) SOLID (WHITE)	
③ 2-150 (6) CROSSWALK @ min. 2 m (6.5') c.c. (WHITE)	
④ 150 (6) SKIP DASH (WHITE)	
⑤ 200 (8) SOLID (WHITE)	
⑥ 300 (12) DIAGONAL (WHITE)	
⑦ 600 (24) STOP BAR (WHITE)	
⑧ LETTERS AND ARROWS	
⑨ -	
⑩ 300 (12) DIAGONAL (YELLOW)	
⑪ 100 (4) DOUBLE (YELLOW)	
⑫ 100 (4) SKIP DASH (YELLOW)	

**RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)**

①	◀ ONE-WAY CRYSTAL MARKER AT 24.38 m (80') CENTERS
②	◀ ONE-WAY CRYSTAL MARKER AT 12.19 m (40') CENTERS
③	◀ ONE-WAY CRYSTAL MARKER AT 6.10 m (20') CENTERS
④	◀ ONE-WAY AMBER MARKER AT 12.19 m (40') CENTERS
⑤	▶ TWO-WAY AMBER MARKER AT 12.19 m (40') CENTERS
	◀ ONE-WAY CRYSTAL MARKER
	◀ ONE-WAY AMBER MARKER

All dimensions are in millimeters (inches) unless otherwise shown.

▶ ONE WAY YELLOW R.R.P.M.  
▷ ONE WAY WHITE R.R.P.M.

FILE NAME = 2017 SMART Cedar St Extension.dgn	USER NAME = aubreys	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

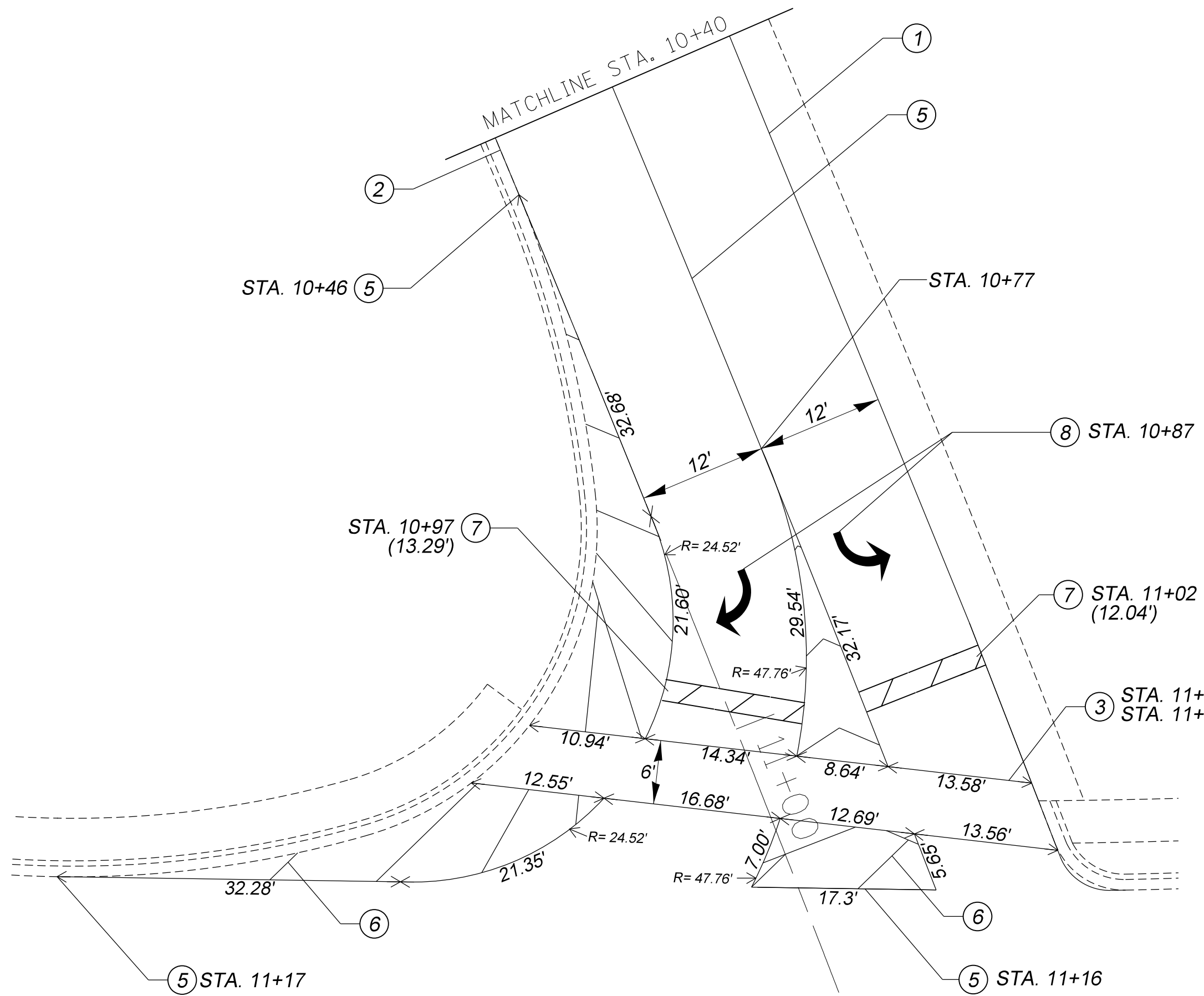
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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**NOT TO SCALE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	28
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

- ① 100 (4) SOLID (YELLOW)
- ② 100 (4) SOLID (WHITE)
- ③ 2-150 (6) CROSSWALK @ min. 2 m (6.5') c.c. (WHITE)
- ④ 150 (6) SKIP DASH (WHITE)
 

3.05 m (10')	9.14 m (30')	3.05 m (10')
-----------------	-----------------	-----------------
- ⑤ 200 (8) SOLID (WHITE)
- ⑥ 300 (12) DIAGONAL (WHITE)
 

30' (>45 MPH)
20' (<45 MPH)
- ⑦ 600 (24) STOP BAR (WHITE)
- ⑧ LETTERS AND ARROWS
- ⑨
- ⑩ 300 (12) DIAGONAL (YELLOW)
- ⑪ 100 (4) DOUBLE (YELLOW)
 

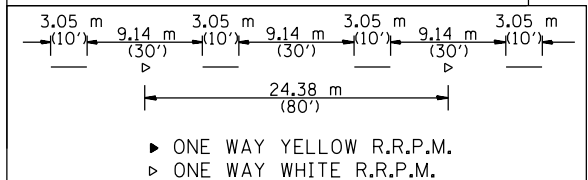
9.14 m (30') >45 MPH
6.1 m (20') <45 MPH
- ⑫ 100 (4) SKIP DASH (YELLOW)
 

3.05 m (10')	9.14 m (30')	3.05 m (10')
-----------------	-----------------	-----------------

**RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)**

- ① ◀ ONE-WAY CRYSTAL MARKER AT 24.38 m(80') CENTERS
- ② ◀ ONE-WAY CRYSTAL MARKER AT 12.19 m(40') CENTERS
- ③ ◀ ONE-WAY CRYSTAL MARKER AT 6.10 m(20') CENTERS
- ④ ◀ ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS
- ⑤ ▶ TWO-WAY AMBER MARKER AT 12.19 m(40') CENTERS
- ◀ ONE-WAY CRYSTAL MARKER
- ◀ ONE-WAY AMBER MARKER

All dimensions are in millimeters (inches) unless otherwise shown.

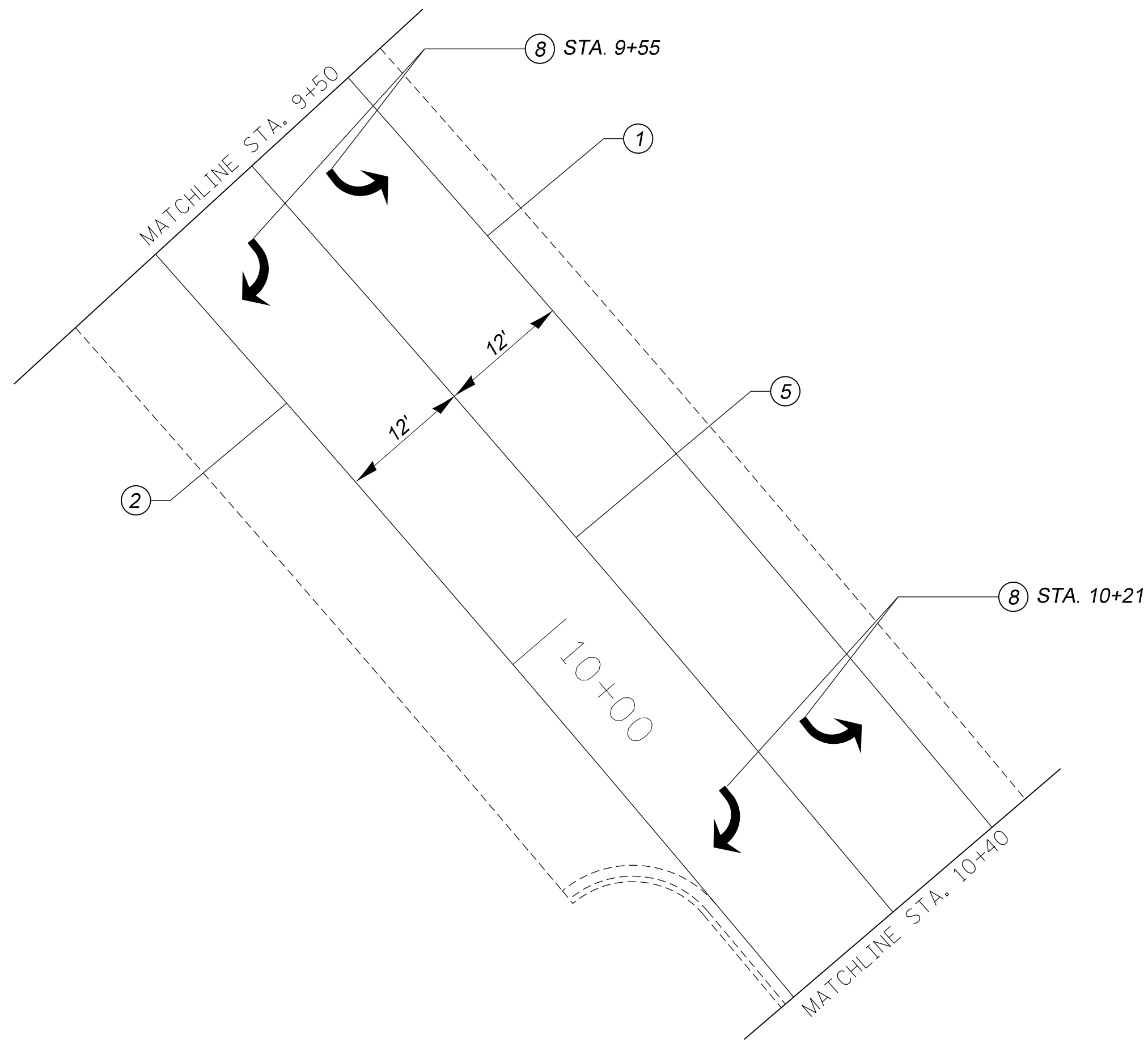
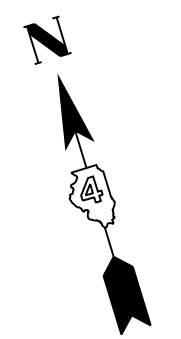


FILE NAME = 2017 SMART Cedar St Extension.dgn	USER NAME = aubreys	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS EDMUND RAMP D			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	29
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				



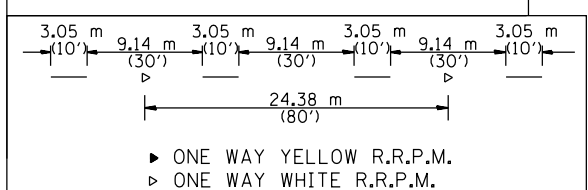
**PAVEMENT MARKING LEGEND**

① 100 (4) SOLID (YELLOW)  
 ② 100 (4) SOLID (WHITE)  
 ③ 2-150 (6) CROSSWALK @ min. 2 m (6.5') c.c. (WHITE)  
 ④ 150 (6) SKIP DASH (WHITE)   
 ⑤ 200 (8) SOLID (WHITE)   
 ⑥ 300 (12) DIAGONAL (WHITE)   
 ⑦ 600 (24) STOP BAR (WHITE)  
 ⑧ LETTERS AND ARROWS  
 ⑨ .   
 ⑩ 300 (12) DIAGONAL (YELLOW)   
 ⑪ 100 (4) DOUBLE (YELLOW)   
 ⑫ 100 (4) SKIP DASH (YELLOW)

**RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)**

① ◁ ONE-WAY CRYSTAL MARKER AT 24.38 m(80') CENTERS  
 ② ◁ ONE-WAY CRYSTAL MARKER AT 12.19 m(40') CENTERS  
 ③ ◁ ONE-WAY CRYSTAL MARKER AT 6.10 m(20') CENTERS  
 ④ ◁ ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS  
 ⑤ ◆ TWO-WAY AMBER MARKER AT 12.19 m(40') CENTERS  
 ◁ ONE-WAY CRYSTAL MARKER  
 ◁ ONE-WAY AMBER MARKER

All dimensions are in millimeters (inches) unless otherwise shown.



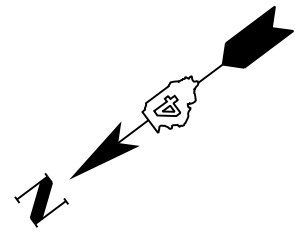
FILE NAME = 2017 SMART Cedar St Extension.dgn	USER NAME = aubreys	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS  
EDMUND RAMP D**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	30
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

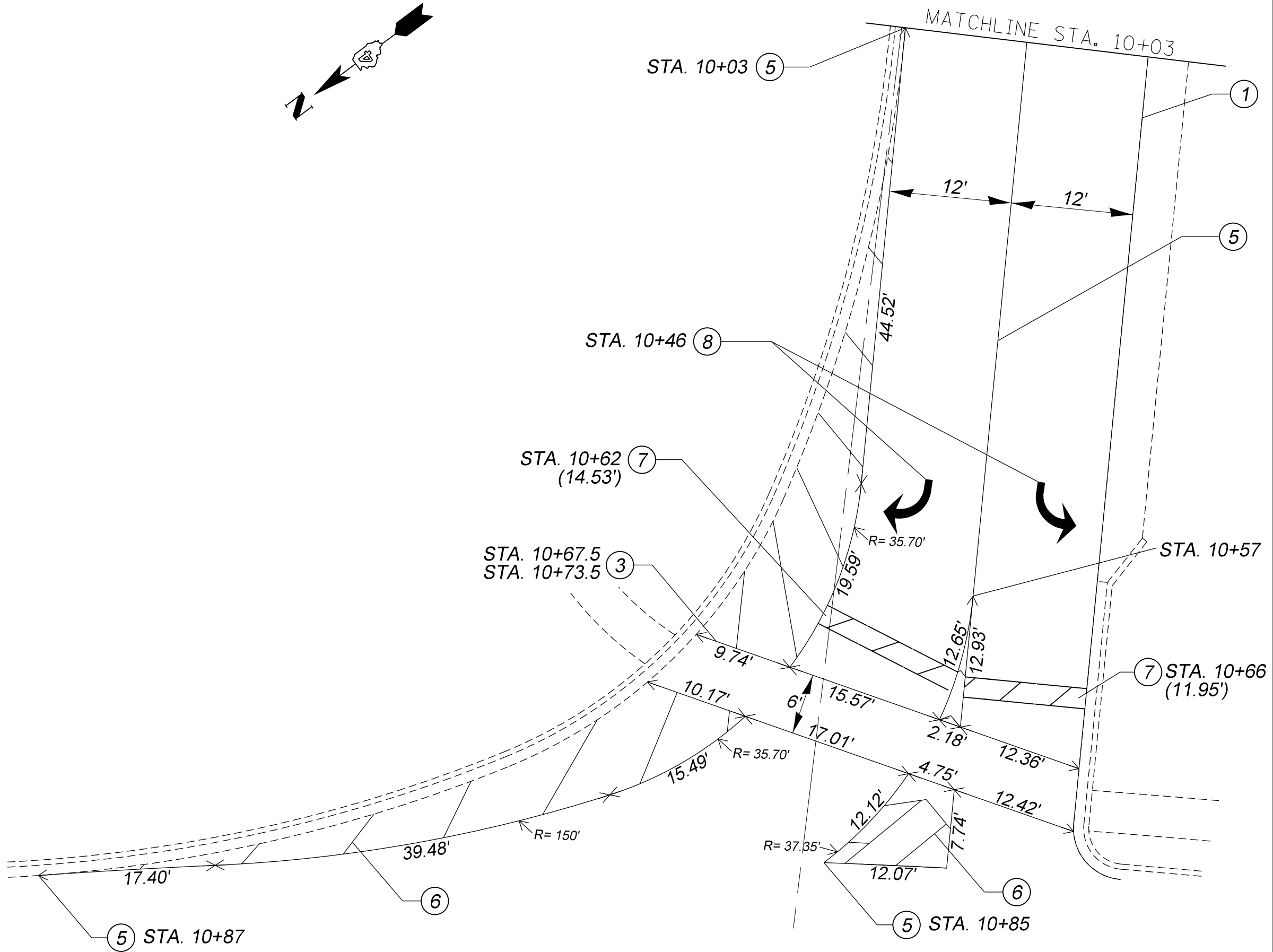
① 100 (4) SOLID (YELLOW)  
 ② 100 (4) SOLID (WHITE)  
 ③ 2-150 (6) CROSSWALK @ min. 2 m (6.5') c.c. (WHITE)  
 ④ 150 (6) SKIP DASH (WHITE)  $\frac{3.05\text{ m}}{(10')} \quad \frac{9.14\text{ m}}{(30')} \quad \frac{3.05\text{ m}}{(10')}$   
 ⑤ 200 (8) SOLID (WHITE)  $\frac{30'}{(>45\text{ MPH})}$   
 ⑥ 300 (12) DIAGONAL (WHITE)  $\frac{20'}{(<45\text{ MPH})}$   
 ⑦ 600 (24) STOP BAR (WHITE)  
 ⑧ LETTERS AND ARROWS  
 ⑨ .  $\frac{914}{(36)} \quad \frac{2.74\text{ m}}{(9')} \quad \frac{914}{(36)}$   
 ⑩ 300 (12) DIAGONAL (YELLOW)  $\frac{350}{(14')} \quad \frac{9.14\text{ m}}{(30')} \quad \frac{45^\circ}{(>45\text{ MPH})}$   
 ⑪ 100 (4) DOUBLE (YELLOW)  $\frac{3.05\text{ m}}{(10')} \quad \frac{9.14\text{ m}}{(30')} \quad \frac{3.05\text{ m}}{(10')} \quad \frac{6.1\text{ m}}{(20')} \quad \frac{3.05\text{ m}}{(10')} \quad \frac{9.14\text{ m}}{(30')} \quad \frac{3.05\text{ m}}{(10')}$   
 ⑫ 100 (4) SKIP DASH (YELLOW)

**RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)**

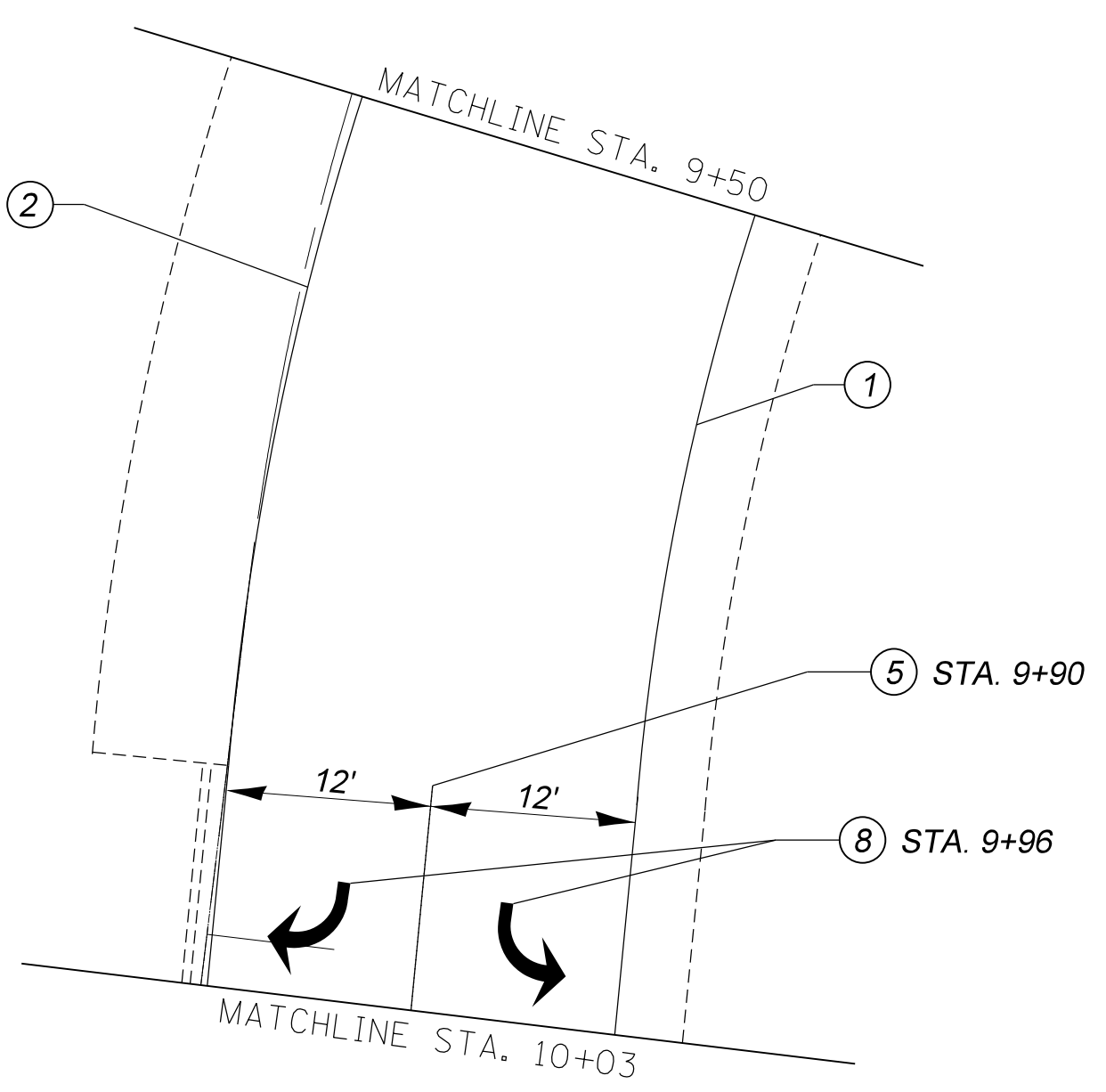
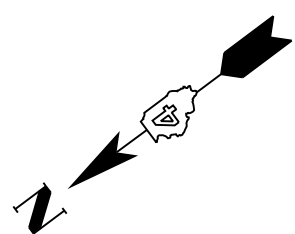
① ◀ ONE-WAY CRYSTAL MARKER AT 24.38 m(80') CENTERS  
 ② ◀ ONE-WAY CRYSTAL MARKER AT 12.19 m(40') CENTERS  
 ③ ◀ ONE-WAY CRYSTAL MARKER AT 6.10 m(20') CENTERS  
 ④ ◀ ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS  
 ⑤ ▶ TWO-WAY AMBER MARKER AT 12.19 m(40') CENTERS  
 ◀ ONE-WAY CRYSTAL MARKER  
 ◀ ONE-WAY AMBER MARKER

All dimensions are in millimeters (inches) unless otherwise shown.

$\frac{3.05\text{ m}}{(10')} \quad \frac{9.14\text{ m}}{(30')} \quad \frac{3.05\text{ m}}{(10')} \quad \frac{9.14\text{ m}}{(30')} \quad \frac{3.05\text{ m}}{(10')} \quad \frac{9.14\text{ m}}{(30')} \quad \frac{3.05\text{ m}}{(10')} \quad \frac{9.14\text{ m}}{(30')} \quad \frac{3.05\text{ m}}{(10')}$   
 ▶ ONE WAY YELLOW R.R.P.M.  
 ▶ ONE WAY WHITE R.R.P.M.



FILE NAME = 2017 SMART Cedar St Extension.dgn	USER NAME = aubreys	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING DETAILS EDMUND RAMP B</b>				F.A. RTE. = 669	SECTION = 13[HB(1,2,3)HVB]RS-2	COUNTY = TAZEWELL	TOTAL SHEETS = 55	SHEET NO. = 31
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 68D51	
PLOT DATE = 2/3/2017	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT								



**PAVEMENT MARKING LEGEND**

① 100 (4) SOLID (YELLOW)  
 ② 100 (4) SOLID (WHITE)  
 ③ 2-150 (6) CROSSWALK @ min. 2 m (6.5') c.c. (WHITE)

④ 150 (6) SKIP DASH (WHITE)

⑤ 200 (8) SOLID (WHITE)

⑥ 300 (12) DIAGONAL (WHITE)

⑦ 600 (24) STOP BAR (WHITE)  
 ⑧ LETTERS AND ARROWS

⑨

⑩ 300 (12) DIAGONAL (YELLOW)

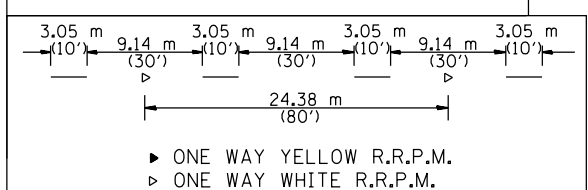
⑪ 100 (4) DOUBLE (YELLOW)

⑫ 100 (4) SKIP DASH (YELLOW)

**RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)**

① ◀ ONE-WAY CRYSTAL MARKER AT 24.38 m(80') CENTERS  
 ② ◀ ONE-WAY CRYSTAL MARKER AT 12.19 m(40') CENTERS  
 ③ ◀ ONE-WAY CRYSTAL MARKER AT 6.10 m(20') CENTERS  
 ④ ◀ ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS  
 ⑤ ▶ TWO-WAY AMBER MARKER AT 12.19 m(40') CENTERS  
 ◀ ONE-WAY CRYSTAL MARKER  
 ◀ ONE-WAY AMBER MARKER

All dimensions are in millimeters (inches) unless otherwise shown.



FILE NAME = 2017 SMART Cedar St Extension.dgn	USER NAME = aubreys	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
copy	PLOT DATE = 2/3/2017	DATE -	REVISED -

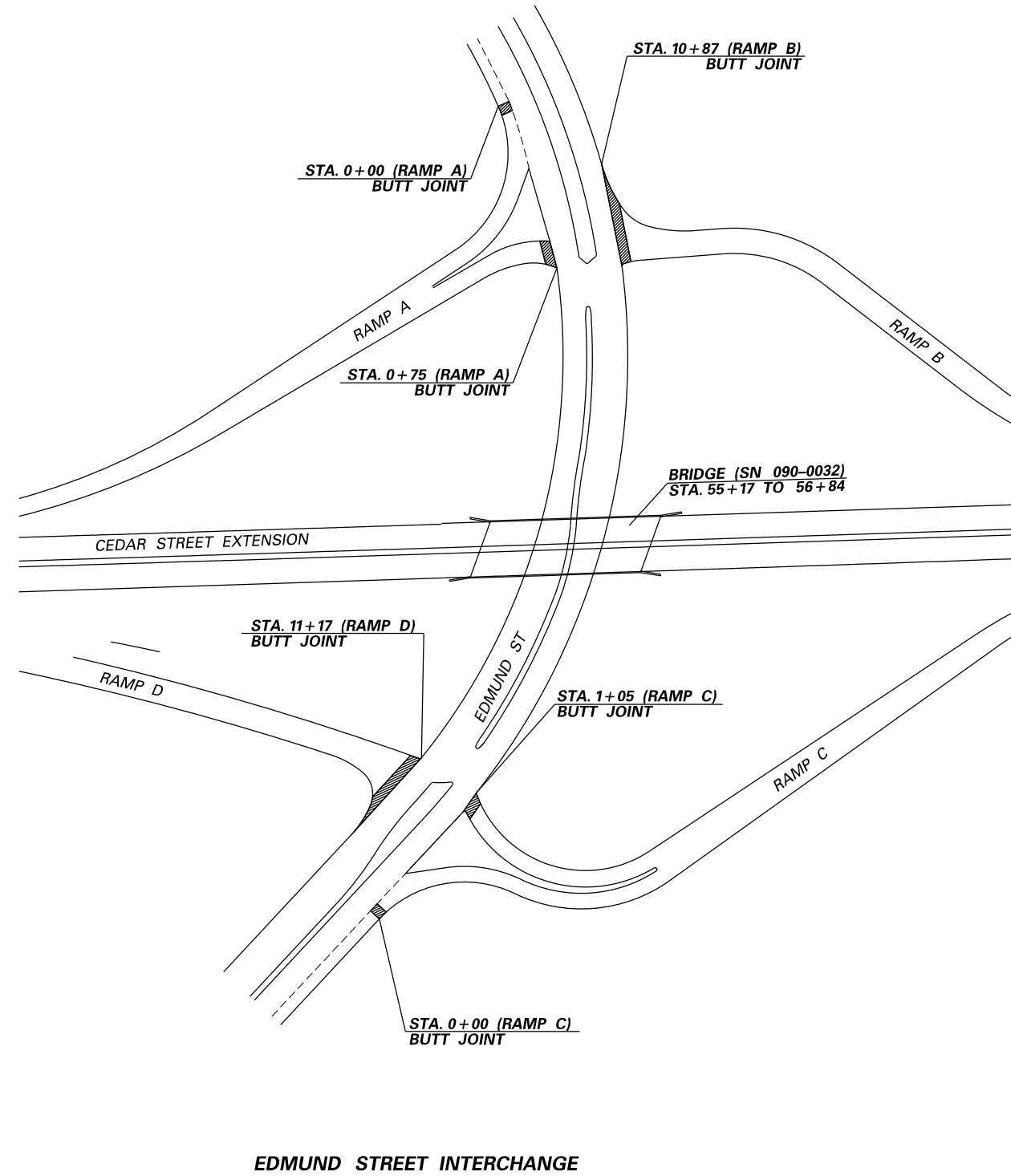
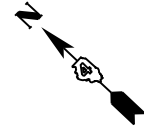
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS  
EDMUND RAMP B**

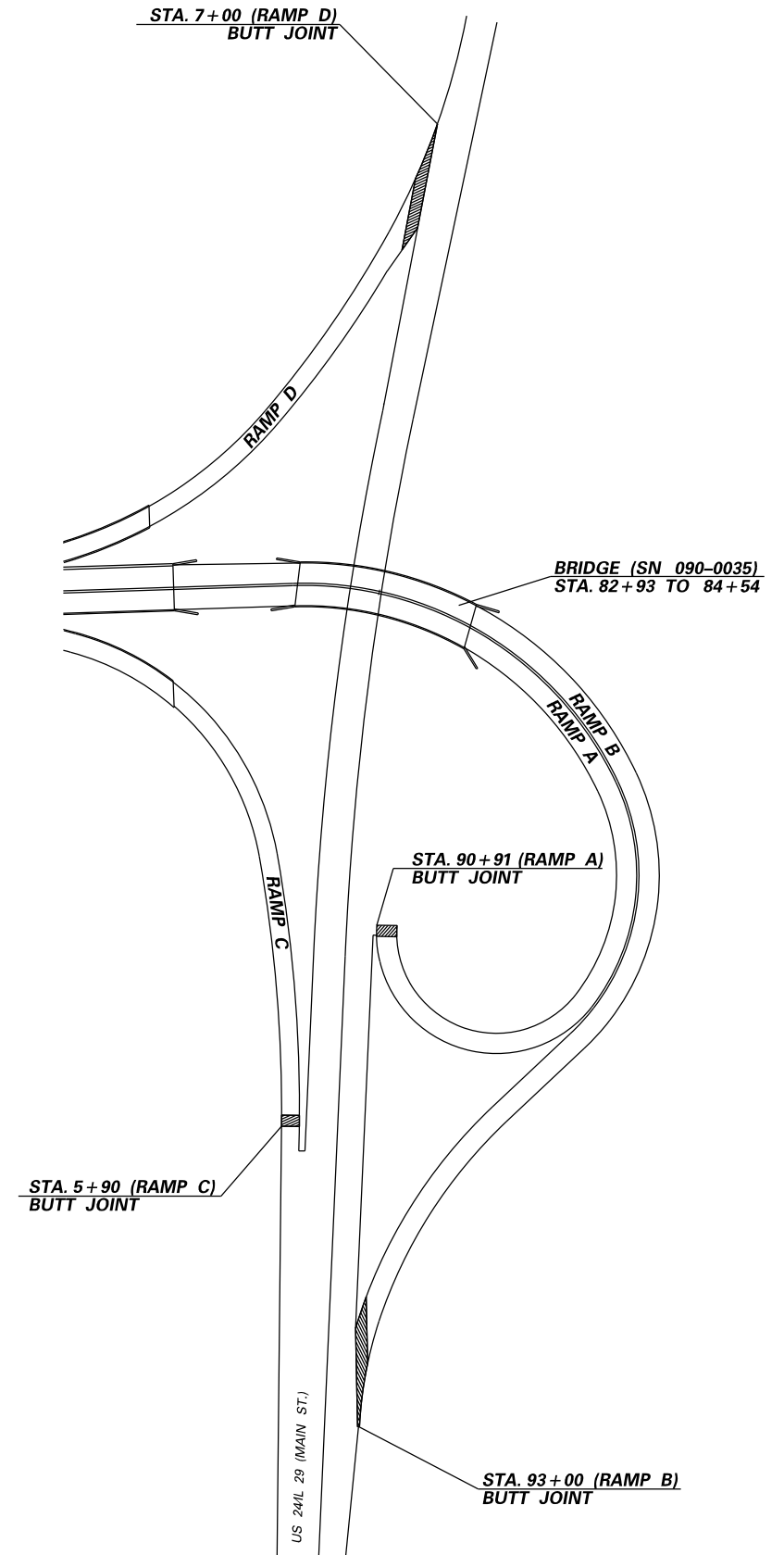
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	32
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				





**EDMUND STREET INTERCHANGE**



**MAIN STREET INTERCHANGE**

FILE NAME = 2017 SMART Cedar St Extension.dgn	USER NAME = aubreys	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
copy	PLOT DATE = 2/3/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT LOCATIONS DETAIL			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

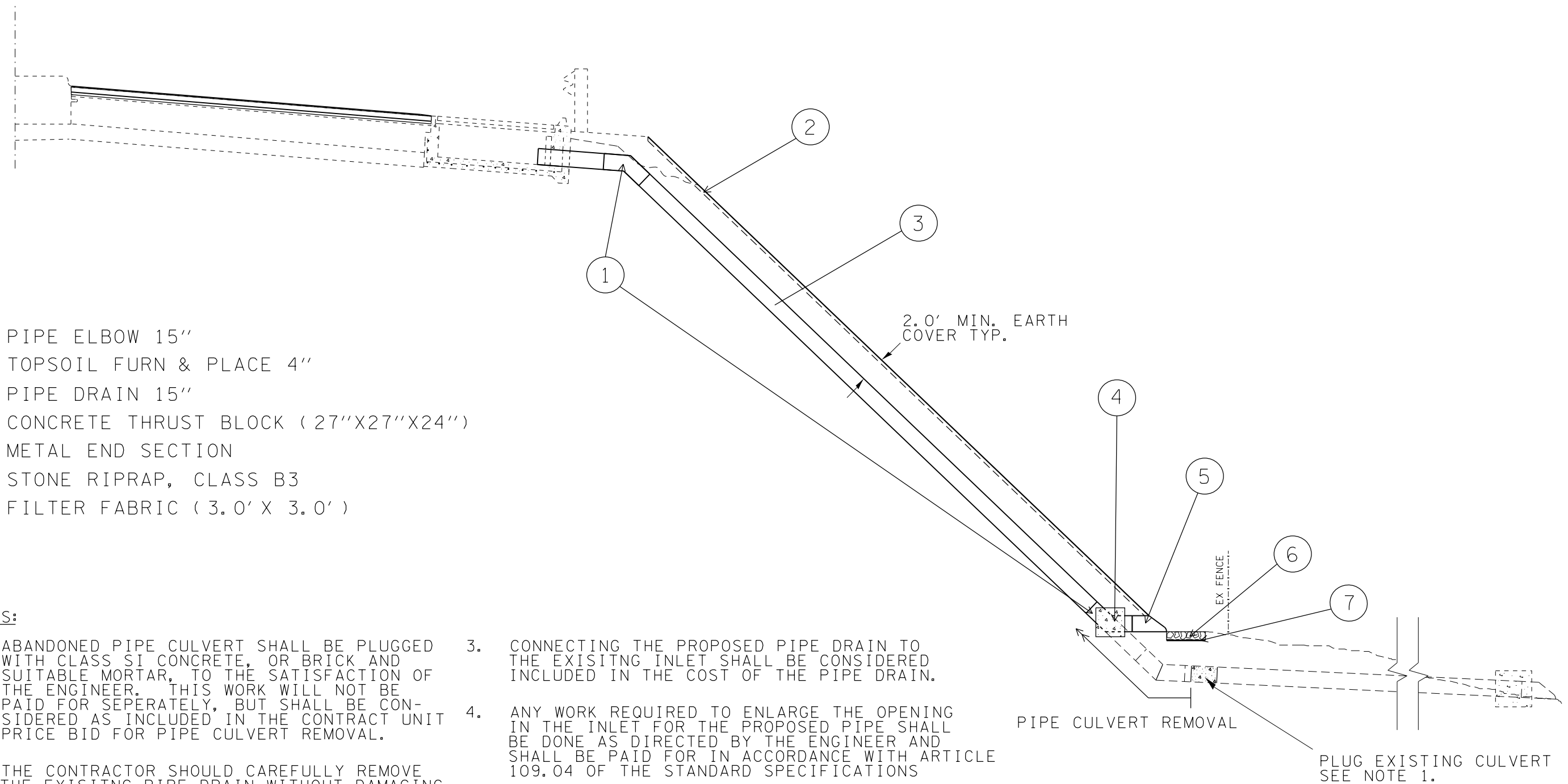
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	33
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				

# CEDAR STREET PIPE DRAIN DETAIL

NOT TO SCALE

⊕ CEDAR ST.

STA. 72+50 RT



- ① PIPE ELBOW 15"
- ② TOPSOIL FURN & PLACE 4"
- ③ PIPE DRAIN 15"
- ④ CONCRETE THRUST BLOCK (27"X27"X24")
- ⑤ METAL END SECTION
- ⑥ STONE RIPRAP, CLASS B3
- ⑦ FILTER FABRIC (3.0' X 3.0')

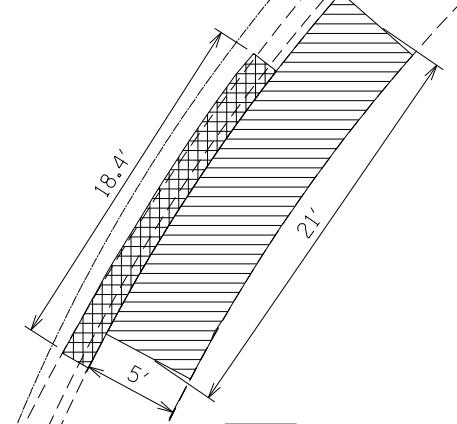
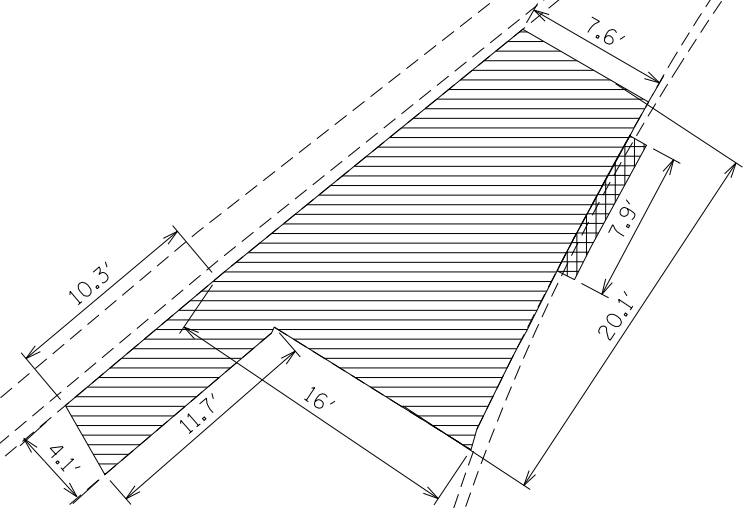
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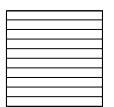
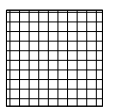
1. ABANDONED PIPE CULVERT SHALL BE PLUGGED WITH CLASS SI CONCRETE, OR BRICK AND SUITABLE MORTAR, TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR PIPE CULVERT REMOVAL.
2. THE CONTRACTOR SHOULD CAREFULLY REMOVE THE EXISITNG PIPE DRAIN WITHOUT DAMAGING THE INLET BOX. ANY DAMAGE DONE TO THE INLET BOX SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
3. CONNECTING THE PROPOSED PIPE DRAIN TO THE EXISITNG INLET SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PIPE DRAIN.
4. ANY WORK REQUIRED TO ENLARGE THE OPENING IN THE INLET FOR THE PROPOSED PIPE SHALL BE DONE AS DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS

FILE NAME = 2017 SMART Cedar St Extension.dgn	USER NAME = aubreys	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE IMPROVEMENTS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
copy	PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -					669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	34
	PLOT DATE = 2/3/2017	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 68D51				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



1104



LEGEND	
	SIDEWALK REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL



190+00

FILE NAME = Josh Removal Sidewalk Sheets.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -
	PLOT DATE = 2/3/2017	CHECKED -	REVISED -
		DATE -	REVISED -

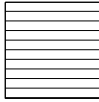
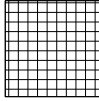
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

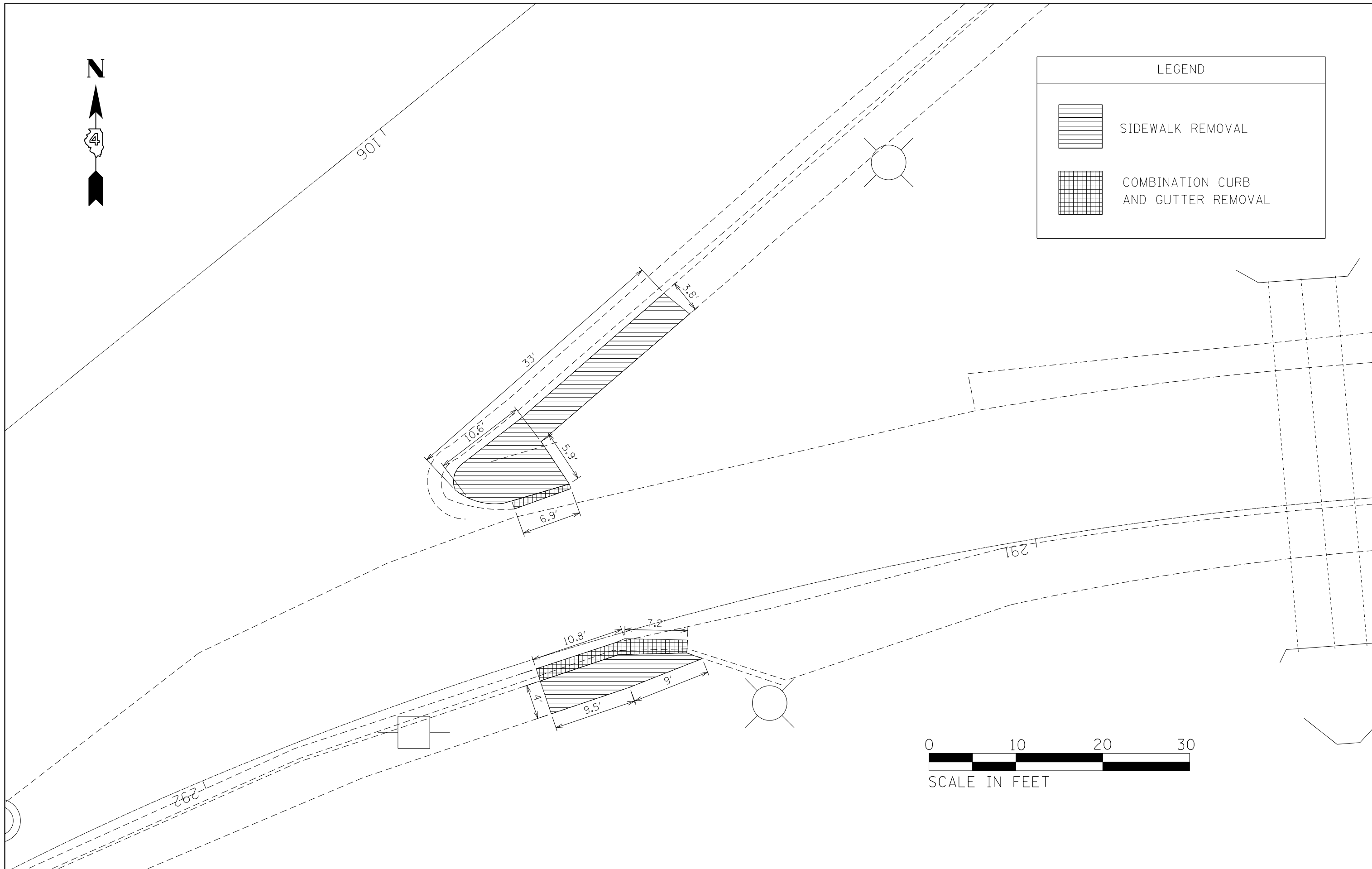
**SIDEWALK REMOVAL DETAIL  
MAIN ST. RAMP A**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)]HVBIRS-2	TAZEWELL	55	35
CONTRACT NO. 68D51			ILLINOIS FED. AID PROJECT	



LEGEND	
	SIDEWALK REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL



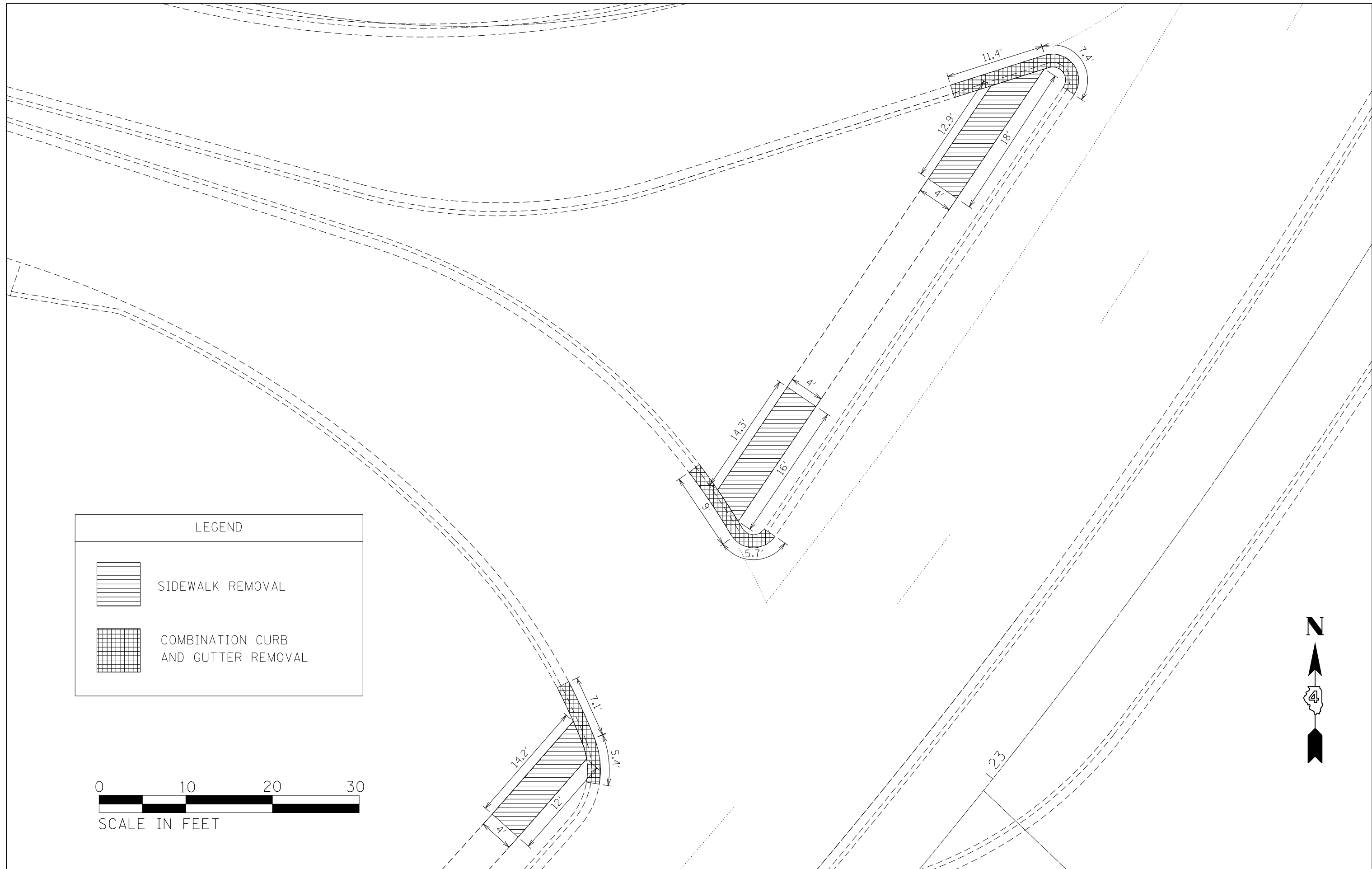
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	PLOT DATE = 2/3/2017	CHECKED -	REVISED -
		DATE -	REVISED -

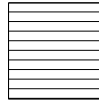
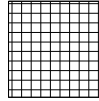
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK REMOVAL DETAIL  
MAIN ST. RAMP B**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)]HVBIRS-2	TAZEWELL	55	36
CONTRACT NO. 68D51			ILLINOIS FED. AID PROJECT	



LEGEND	
	SIDEWALK REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL



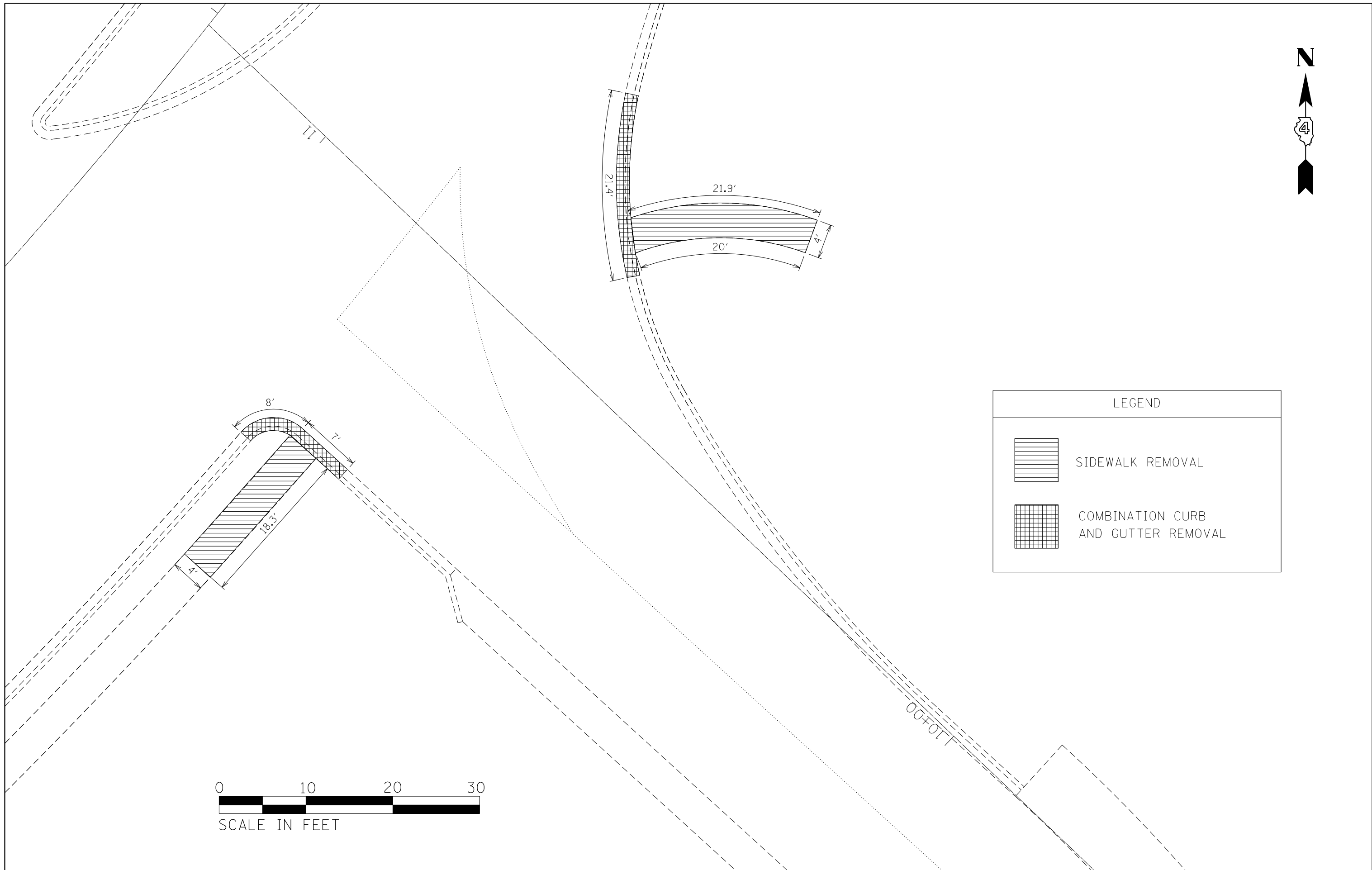
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Default		DRAWN -	REVISED -
	PLOT SCALE = 10.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 2/3/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK REMOVAL DETAIL  
EDMUND ST. RAMP A**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)]HVBIRS-2	TAZEWELL	55	37
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				



LEGEND	
	SIDEWALK REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL



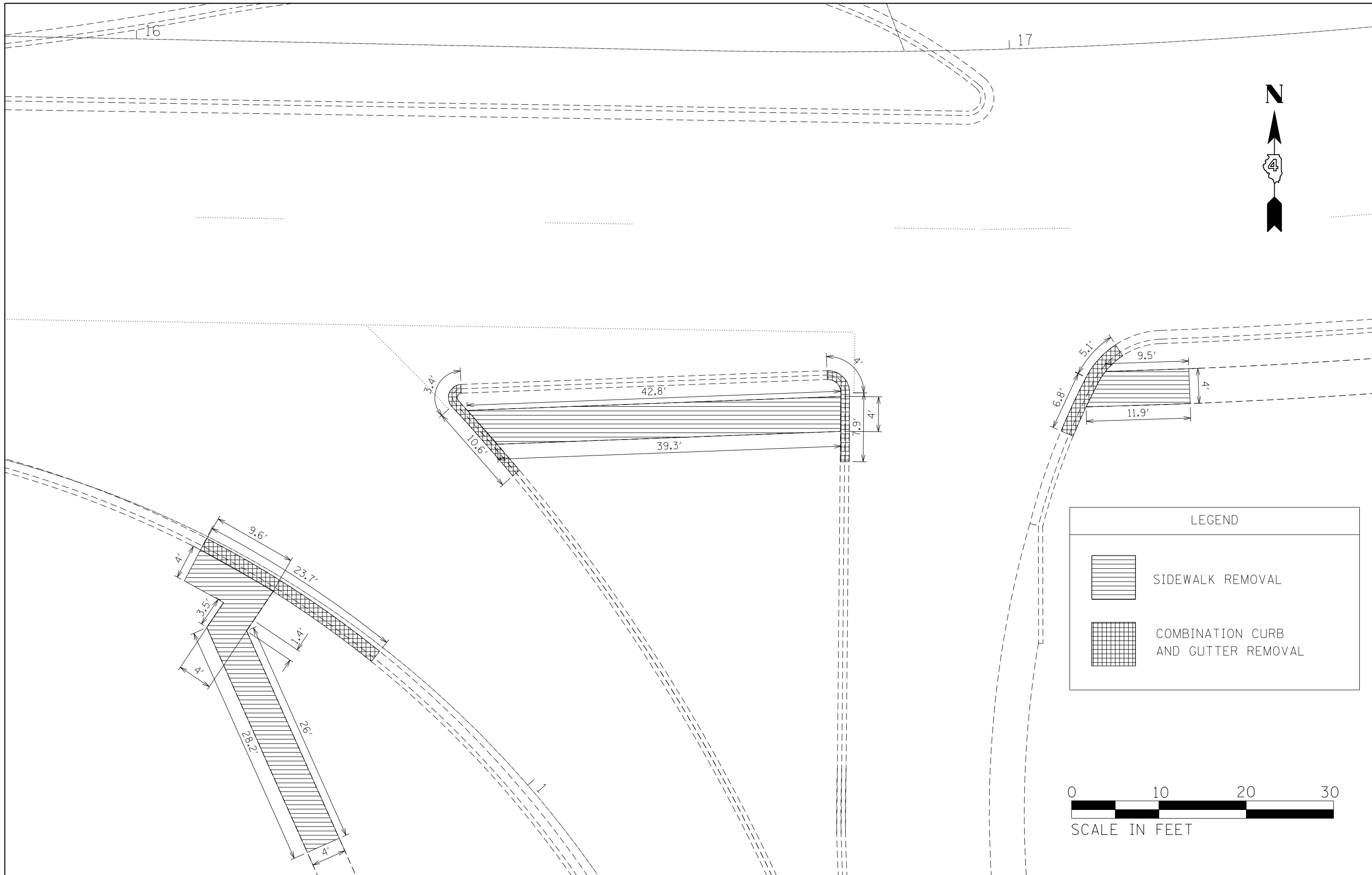
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	PLOT DATE = 2/3/2017	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK REMOVAL DETAIL  
EDMUND ST. RAMP B**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)]HVBIRS-2	TAZEWELL	55	38
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				



FILE NAME = Josh Removal Sidewalk Sheets.dgn	USER NAME = aubreys	DESIGNED -	REVISED -
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		DATE -	REVISED -

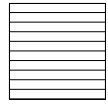
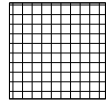
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

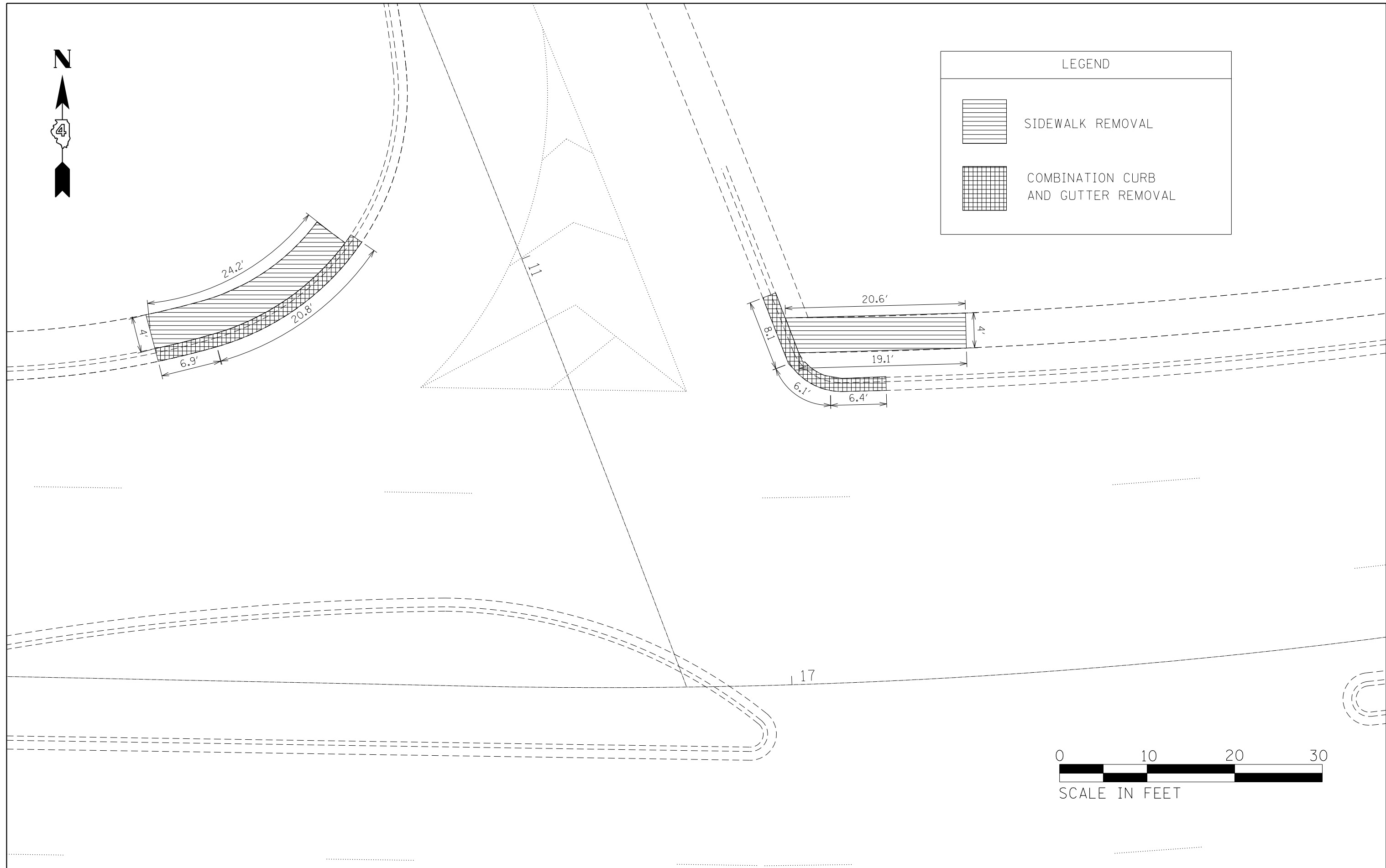
**SIDEWALK REMOVAL DETAIL  
EDMUND ST. RAMP C**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)]HVBIRS-2	TAZEWELL	55	39
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				

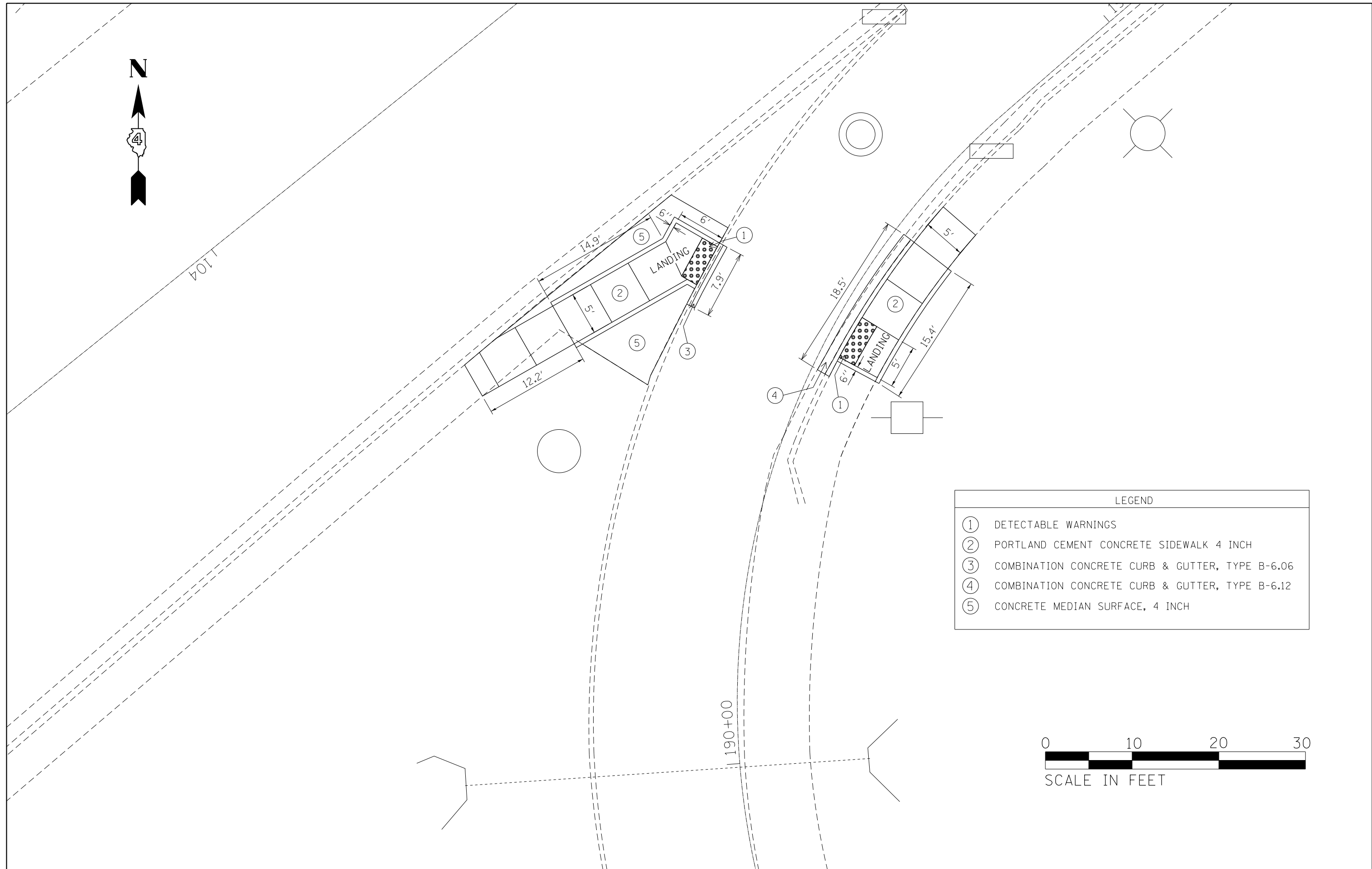


LEGEND	
	SIDEWALK REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL



FILE NAME = Josh Removal Sidewalk Sheets.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SIDEWALK REMOVAL DETAIL EDMUND ST. RAMP D</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -		669	13[HB(1,2,3)]HVBIRS-2	TAZEWELL	55	40				
	PLOT DATE = 2/3/2017	CHECKED -	REVISED -		SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.				CONTRACT NO. 68D51				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								





LEGEND	
①	DETECTABLE WARNINGS
②	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH
③	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.06
④	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
⑤	CONCRETE MEDIAN SURFACE, 4 INCH



FILE NAME =	USER NAME = aubreys	DESIGNED -	REVISED -
Josh Proposed Sidewalk Sheets - Copy.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/3/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

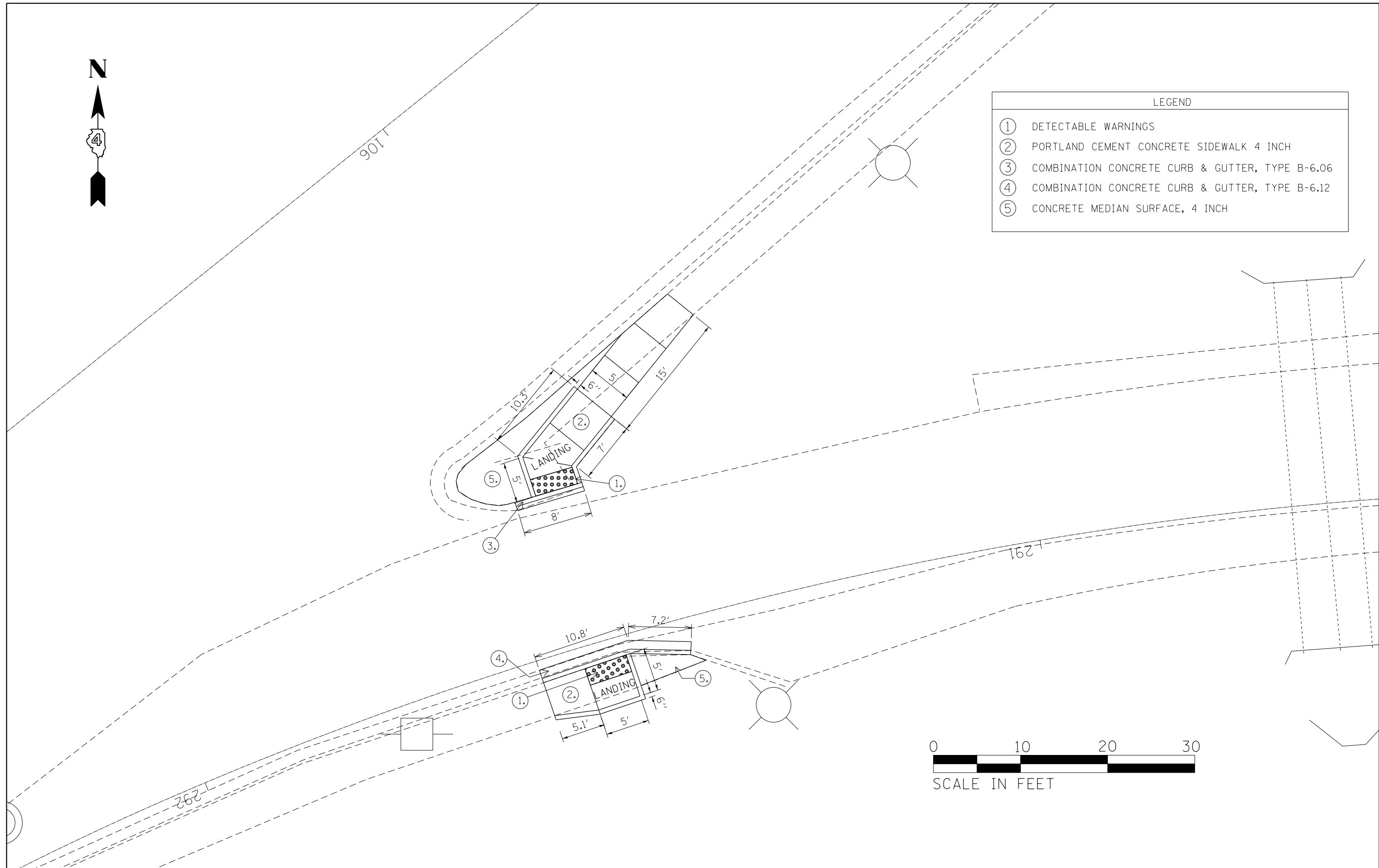
**PROPOSED SIDEWALK DETAILS  
MAIN ST. RAMP A**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)]HVBIRS-2	TAZEWELL	55	41
CONTRACT NO. 68D51			ILLINOIS FED. AID PROJECT	



LEGEND	
①	DETECTABLE WARNINGS
②	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH
③	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.06
④	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
⑤	CONCRETE MEDIAN SURFACE, 4 INCH



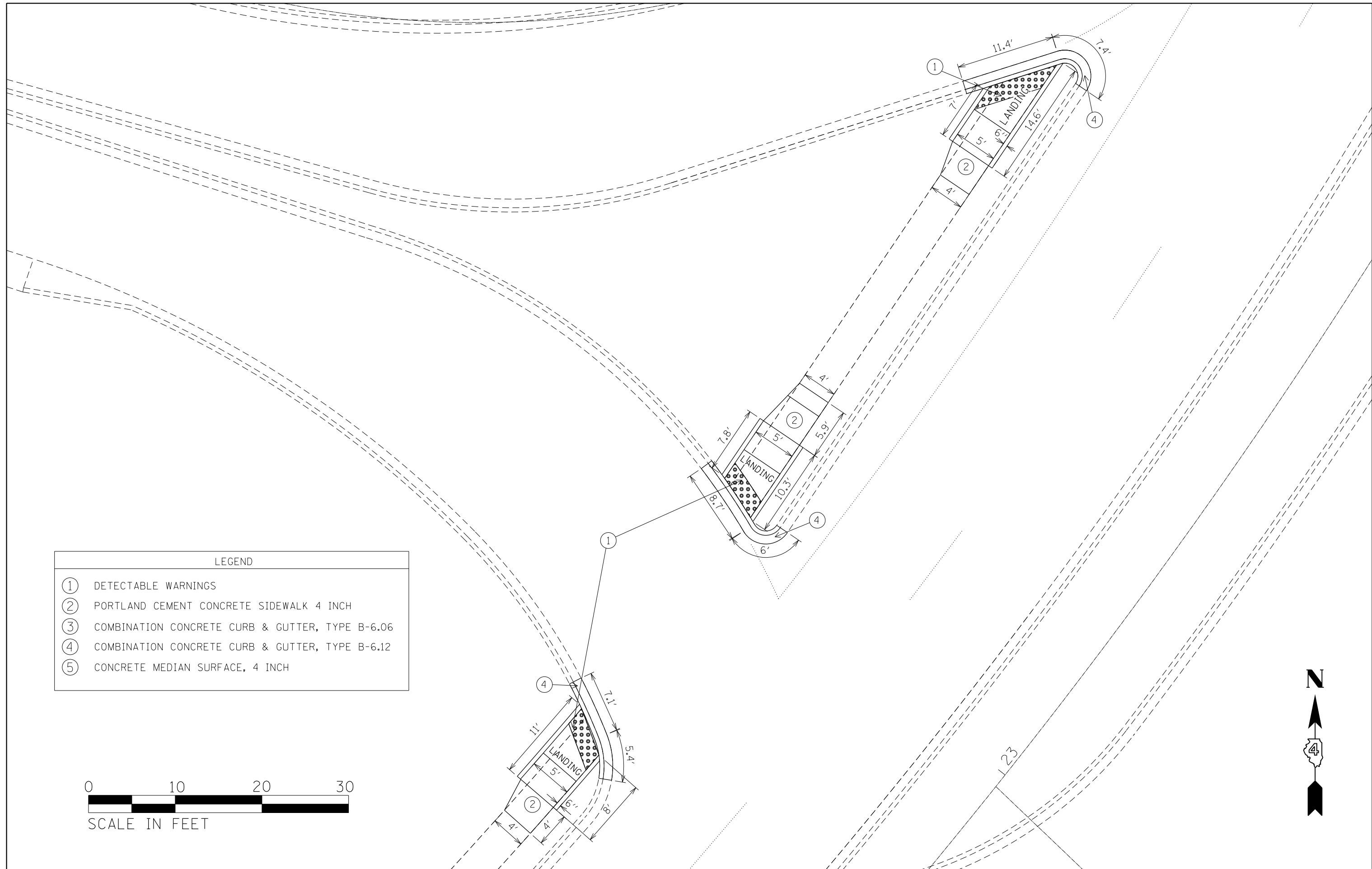
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	PLOT DATE = 2/3/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIDEWALK DETAILS  
MAIN ST. RAMP B**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13(HB(1,2,3)+HVB)RS-2	TAZEWELL	55	42
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				



LEGEND	
①	DETECTABLE WARNINGS
②	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH
③	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.06
④	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
⑤	CONCRETE MEDIAN SURFACE, 4 INCH



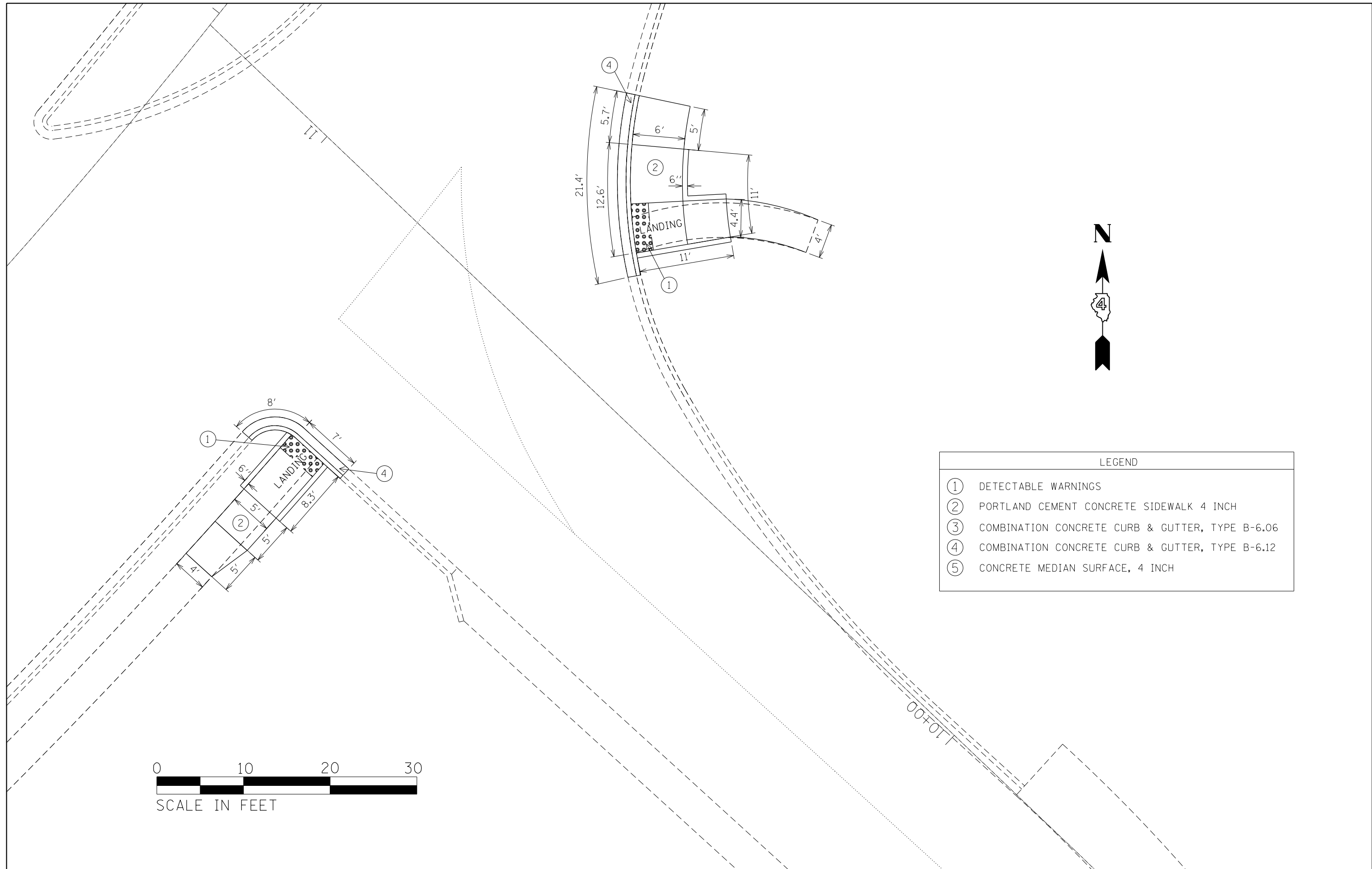
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	PLOT DATE = 2/3/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIDEWALK DETAILS  
EDMUND ST. RAMP A**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)]HVBIRS-2	TAZEWELL	55	43
CONTRACT NO. 68D51			ILLINOIS FED. AID PROJECT	



LEGEND	
①	DETECTABLE WARNINGS
②	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH
③	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.06
④	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
⑤	CONCRETE MEDIAN SURFACE, 4 INCH

FILE NAME = Josh Proposed Sidewalk Sheets - Copy.dwg	USER NAME = aubreys	DESIGNED -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

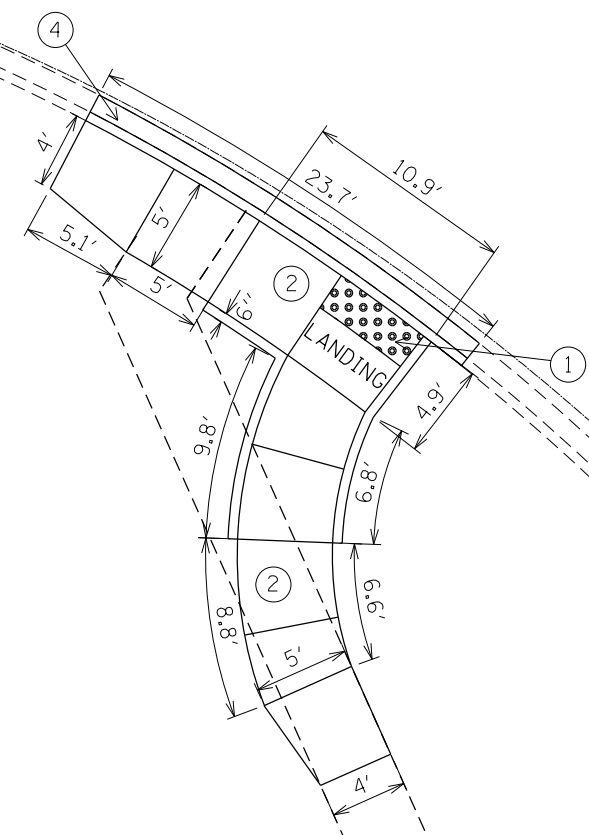
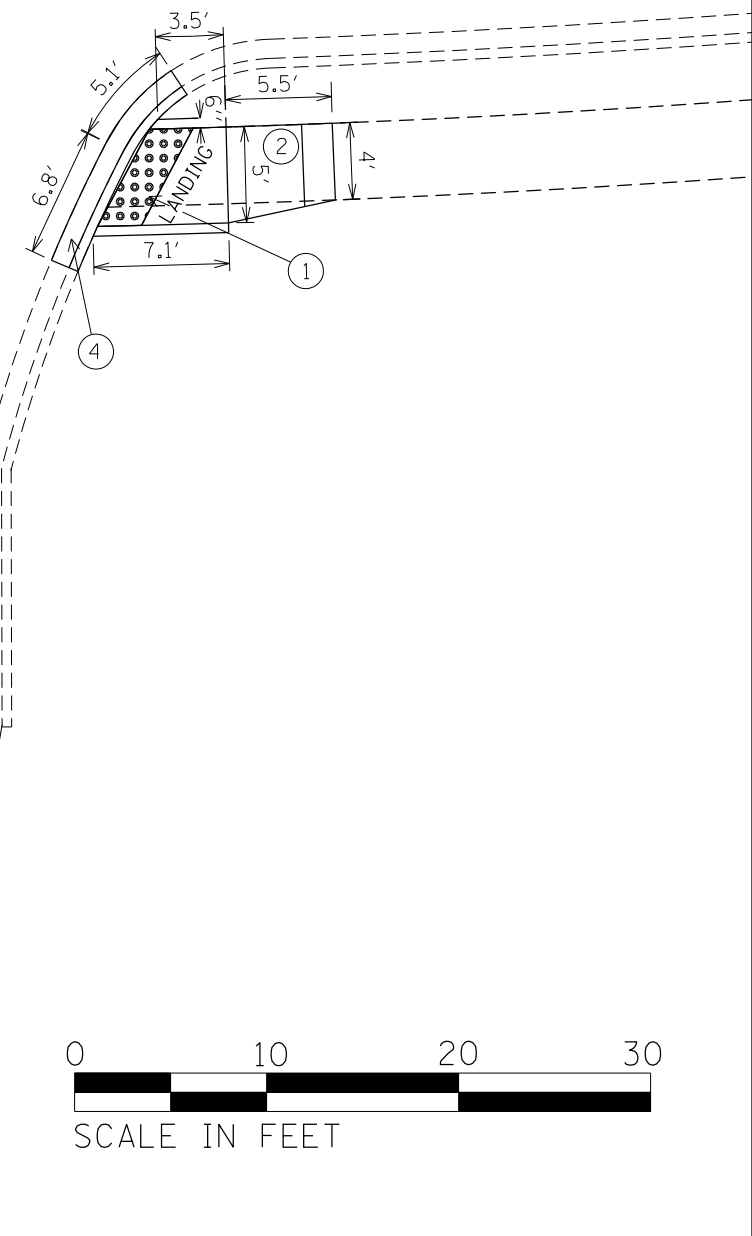
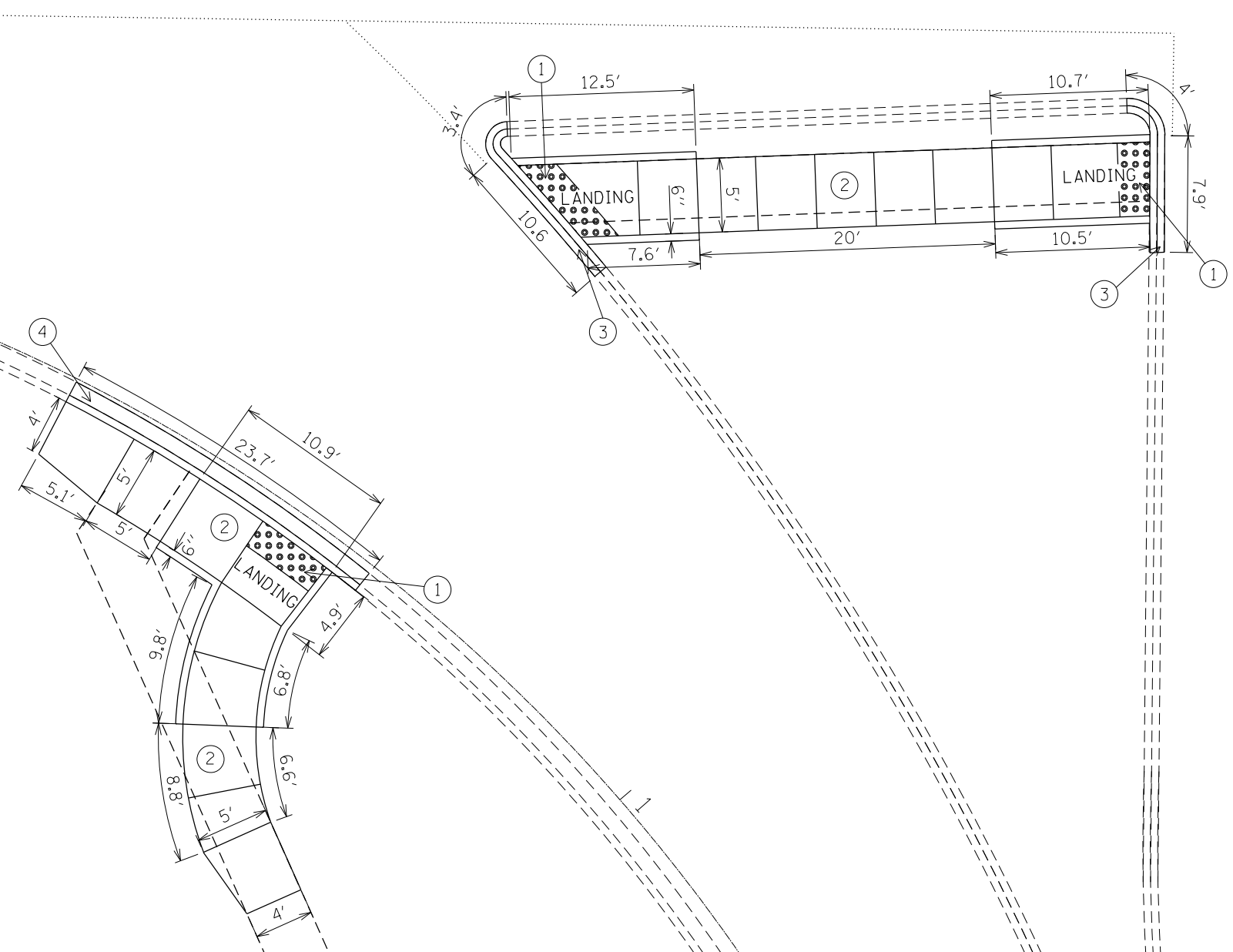
**PROPOSED SIDEWALK DETAILS  
EDMUND ST. RAMP B**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)]HVBIRS-2	TAZEWELL	55	44
CONTRACT NO. 68D51				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



LEGEND	
①	DETECTABLE WARNINGS
②	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH
③	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.06
④	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
⑤	CONCRETE MEDIAN SURFACE, 4 INCH



FILE NAME =	USER NAME = aubreys	DESIGNED -	REVISED -
Josh Proposed Sidewalk Sheets - Copy.dwg		DRAWN -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/3/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

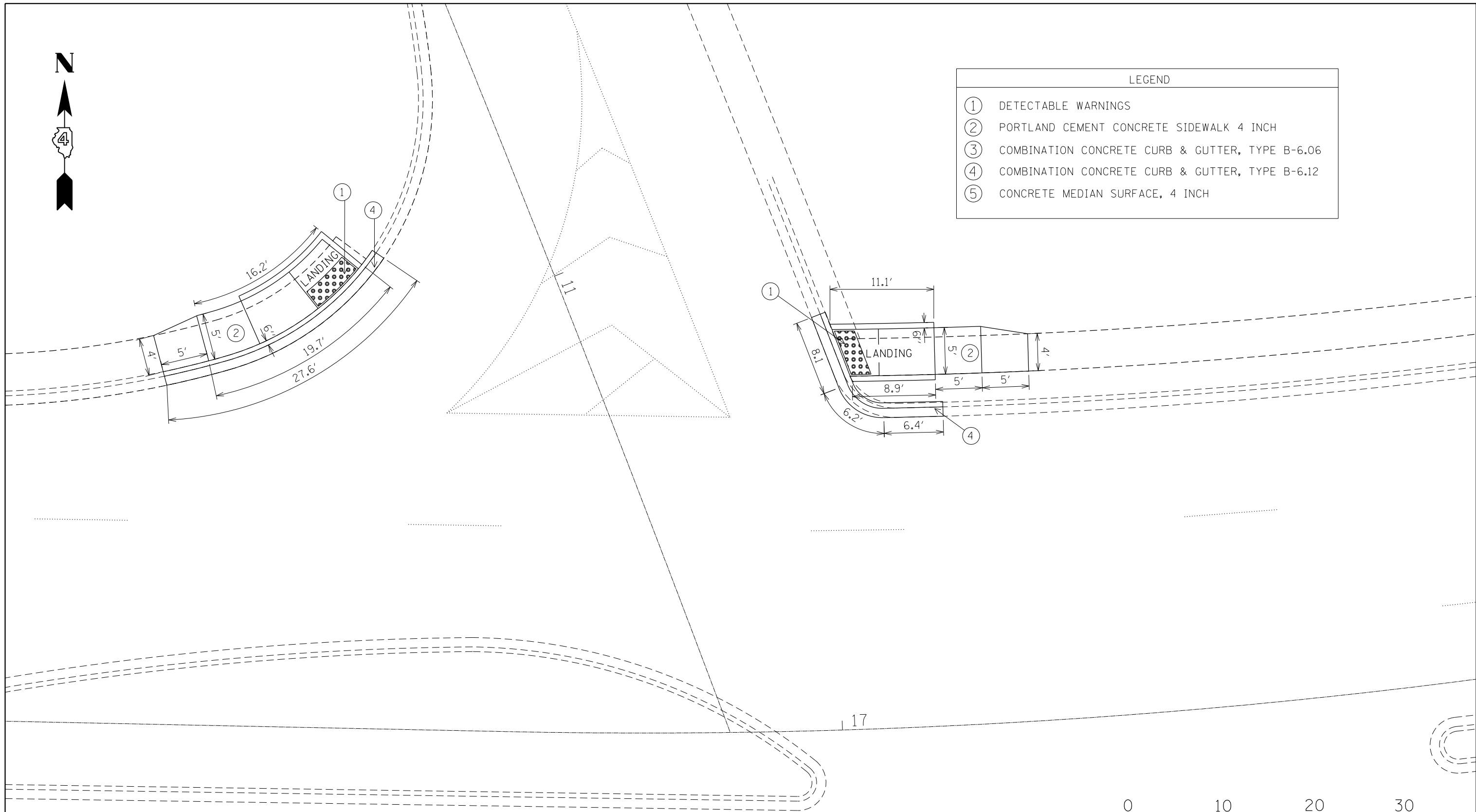
**PROPOSED SIDEWALK DETAILS  
EDMUND ST. RAMP C**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)]HVBIRS-2	TAZEWELL	55	45
CONTRACT NO. 68D51			ILLINOIS FED. AID PROJECT	



LEGEND	
①	DETECTABLE WARNINGS
②	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH
③	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.06
④	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
⑤	CONCRETE MEDIAN SURFACE, 4 INCH



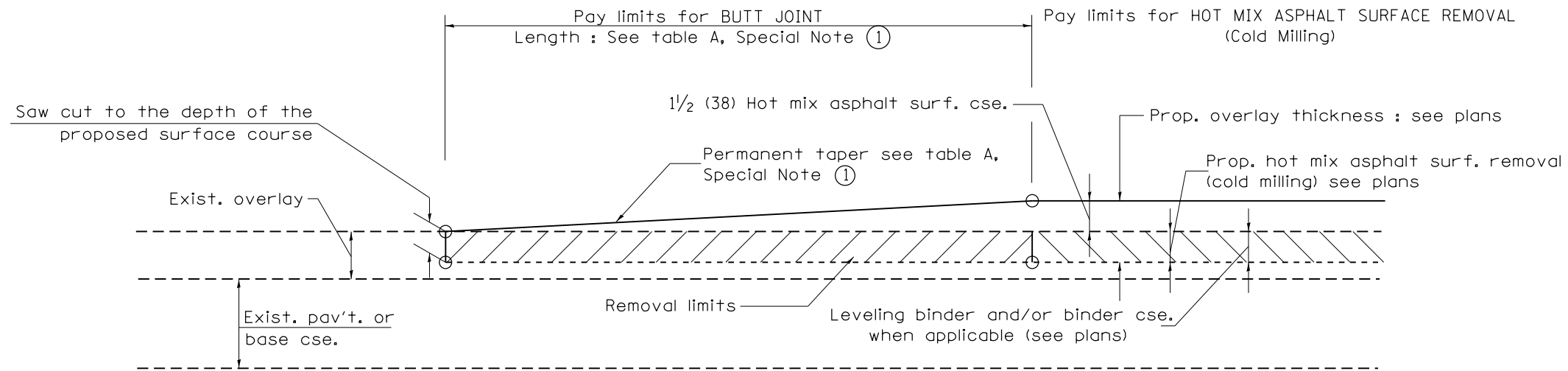
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Josh Proposed Sidewalk Sheets - Copy.dwg		DRAWN -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/3/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIDEWALK DETAILS  
EDMUND ST. RAMP D**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13(HB(1,2,3)+HVB)RS-2	TAZEWELL	55	46
CONTRACT NO. 68D51			ILLINOIS FED. AID PROJECT	



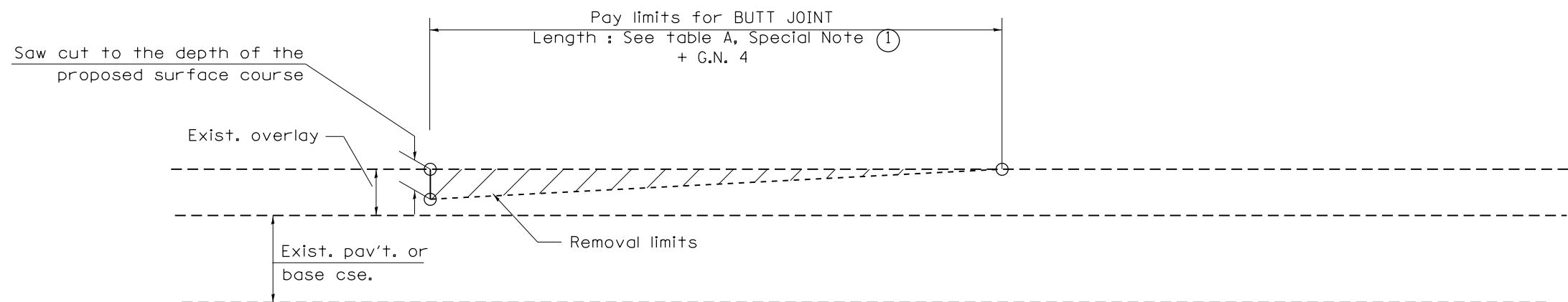
**CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

**TABLE A  
TAPER RATES**

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	BUTT JOINT TAPER RATE	1:480	1:240
②	TEMPORARY RAMP TAPER RATE	1:80	1:40

**GENERAL NOTES**

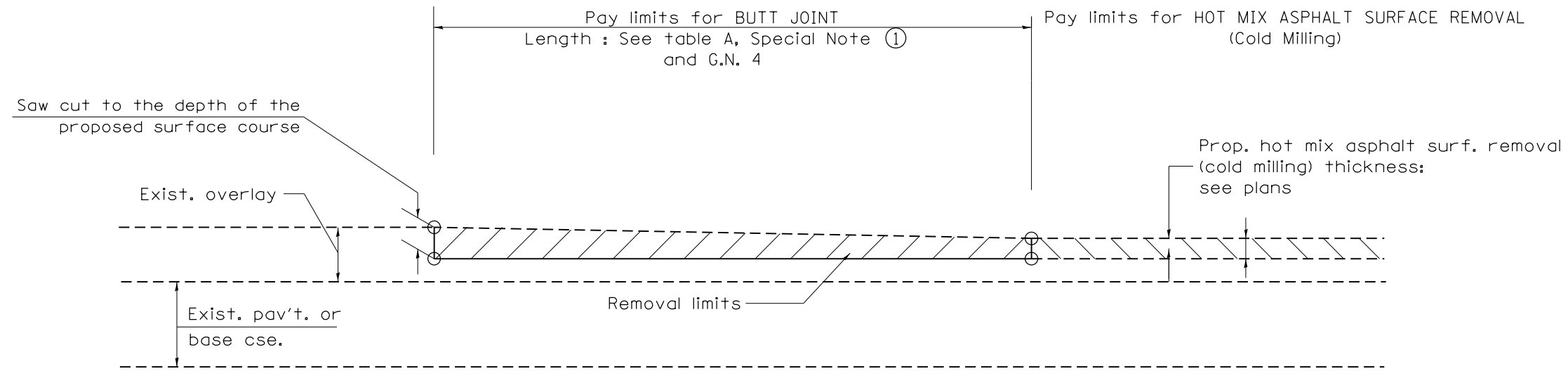
1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.
4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.



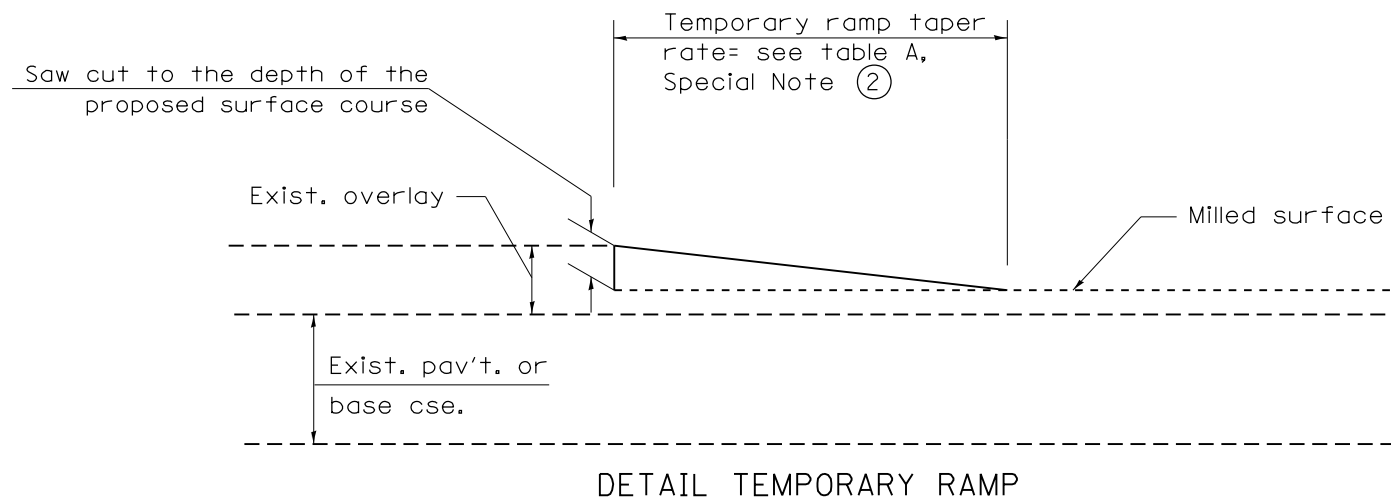
**CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-23.01, NEW REVISION BOX	T.P.	08-21-13	MAJOR MODIFICATIONS	R.D.	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BUTT JOINTS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
04-01-97	CORRECTION TO DEPTH	J.A.	02-29-16	MINOR CORRECTIONS	R.D.			669	13[HB(1,2,3);HVB]RS-2	TAZEWELL	55	47	
09-15-05	REVISED DESIGNER NOTE	M.M.A.	04-12-16	MINOR CORRECTIONS	R.D.			SHT. 1 OF 3 CADD STD. 406101-D4 CONTRACT NO. 68D51					
10-16-06	REVISED TO 2007 SPEC.	M.A.						NOT TO SCALE FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



CASE 3 : HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER

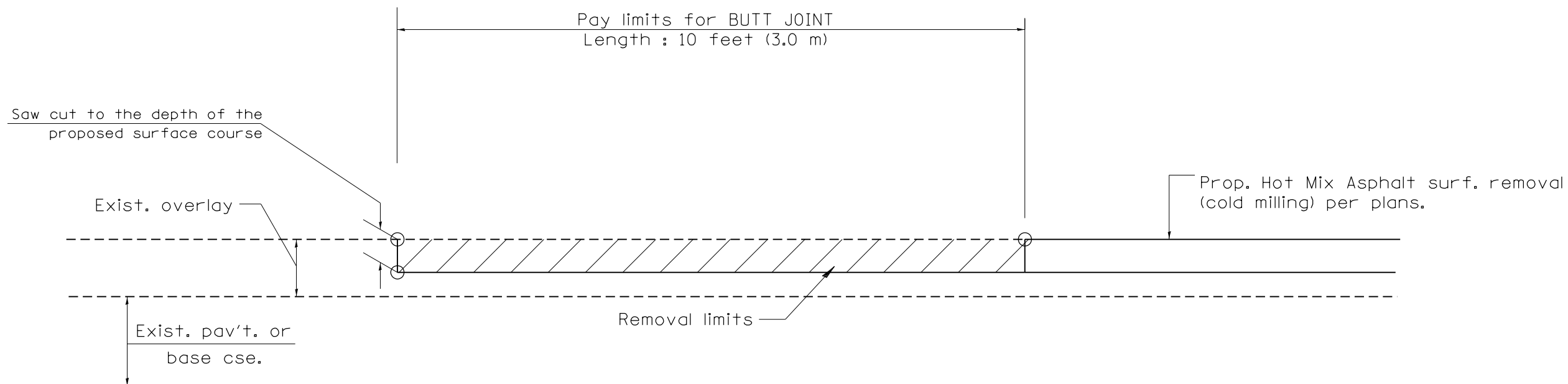


All dimensions are in inches (millimeters) unless otherwise noted.

				<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>BUTT JOINTS</b>		SHT. 2 OF 3 CADD STD. 406101-D4	
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
669	13[HB(1,2,3);HVB]RS-2	TAZEWELL	55	48	CONTRACT NO. 68D51				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT							

NOT TO SCALE





CASE 4 : SINGLE LIFT OVERLAY WITH EQUIVALENT DEPTH  
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER

All dimensions are in inches (millimeters) unless otherwise noted.

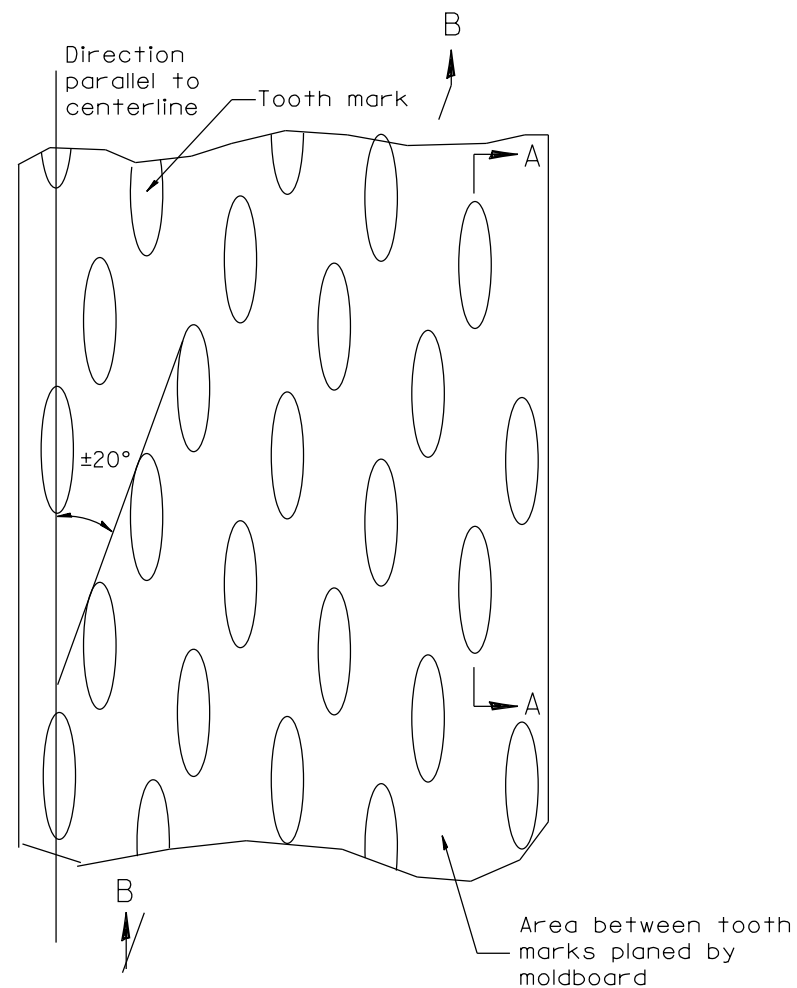

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

NOT TO SCALE

SHT. 3 OF 3  
CADD STD. 406101-D4

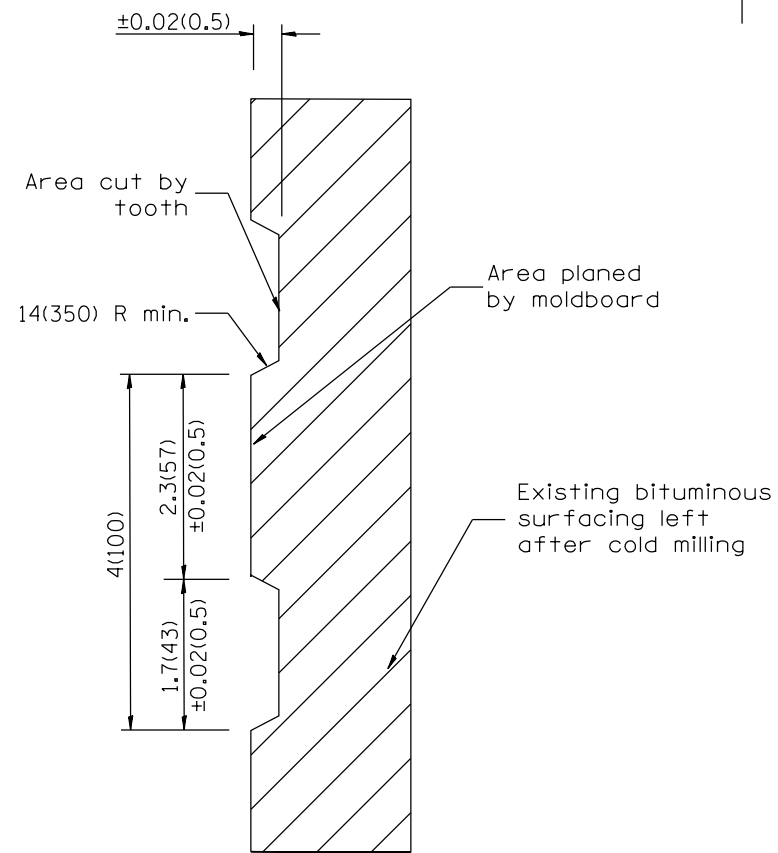
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	49
FED. ROAD DIST. NO.			CONTRACT NO. 68D51	
ILLINOIS			FED. AID PROJECT	



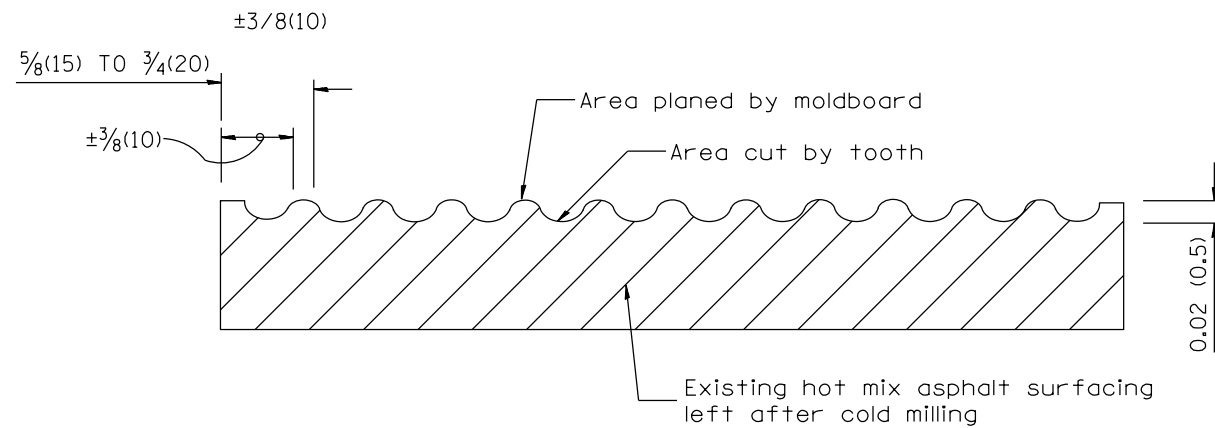
PLAN

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



SECTION A-A



SECTION B-B PROJECTED  
PERPENDICULAR TO CENTERLINE

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-104.01, NEW REVISION BOX	T.P.
04-20-98	REMOVED MILLING DETAIL FROM STANDARD	J.A.
09-08-98	CORRECT NOTE LEADER PLACEMENT	R.W.
10-16-06	REVISED TO 2007 SPEC.	M.A.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

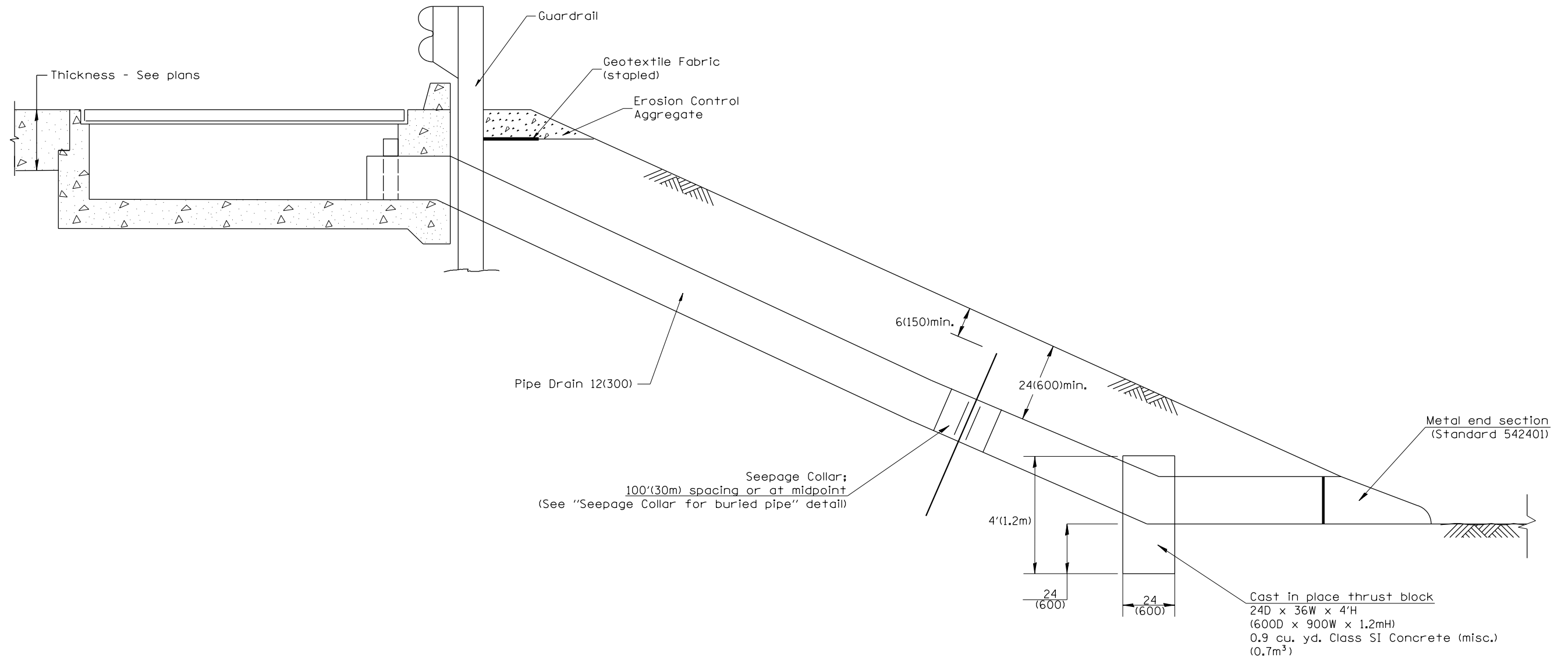
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

NOT TO SCALE

CADD STD. 440001-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	50
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D51	

SLOPE DRAIN FOR BURIED PIPES



GENERAL NOTES

1. The material for Pipe Drains shall be bituminous coated galvanized corrugated steel culvert pipe or bituminous coated corrugated aluminum alloy pipe in accordance with Article 601.02(b) or 601.02(e) or Polyvinyl Chloride (PVC) pipe in accordance with Article 601.02 (s).
2. An approved mastic material (Article 1055.01) shall be applied to the inside of the connecting bands.

All dimensions are in inches (millimeters) unless otherwise noted.

QUANTITIES					
CALC. BY: _____	DATE: _____				
CHECKED BY: _____	DATE: _____				
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION					
01-01-97	RENUM. H-1.04, NEW REVISION BOX, REVISED TITLE	T.P.	7-15-15	DELETED BC&D DETAIL FOR APPROACH DRAINS	R.D.
	BOX, REVISED DESIGNER NOTES, ADDED QUANTITY				
	CALCULATION BOX				
10-16-06	REVISED TO 2007 SPEC.	M.A.			

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SLOPE DRAIN DETAIL FOR BURIED PIPES**

NOT TO SCALE

CADD STD. 601101-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	51
CONTRACT NO. 68D51				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

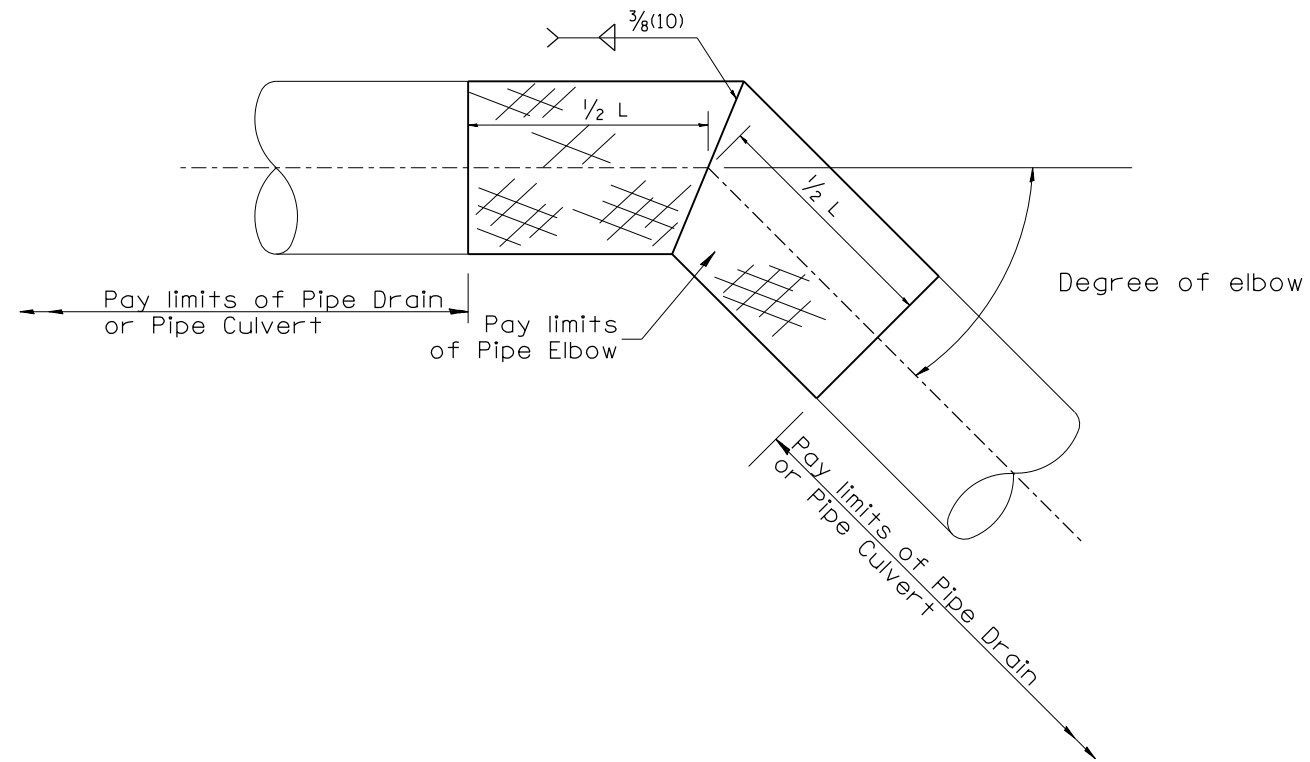
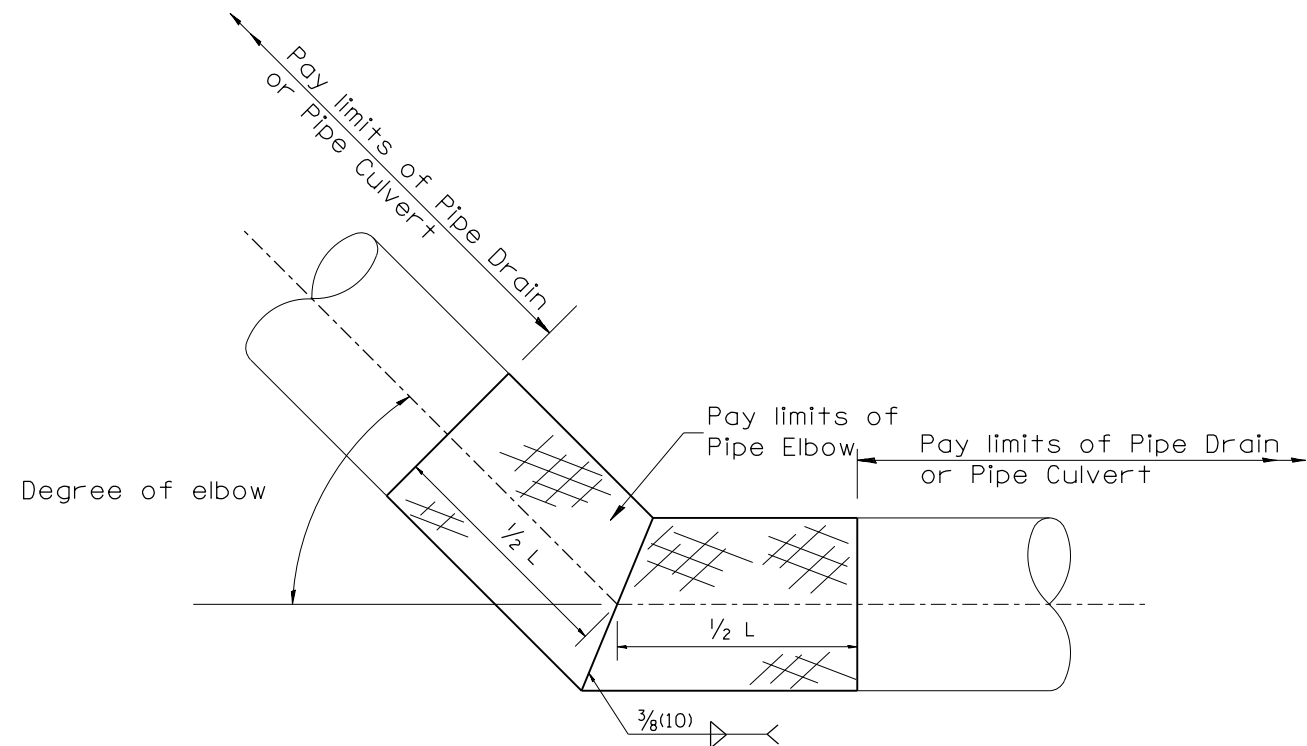


TABLE A		
ELBOW DESIGN CONTROLS		
PIPE DIAMETER	L = Pay limits of Pipe Elbow and minimum length of pipe required for fabrication	
	DEGREE OF ELBOW ≤ 45°	DEGREE OF ELBOW ≥ 46°
12(300)	24(600)	4'(1.22M)
15(375)	24(600)	4'(1.22M)
18(450)	24(600)	4'(1.22M)
21(525)	24(600)	4'(1.22M)
24(600)	4'(1.22M)	4'(1.22M)
30(750)	4'(1.22M)	6'(1.83M)
36(900)	4'(1.22M)	6'(1.83M)

TABLE B	
ELBOW DESIGN CONTROLS	
EARTH SLOPE (V:H)	DEGREE OF ELBOW *
1:6	9°
1:4	14°
1:3	18°
1:2	26°
1:1 1/2	33°

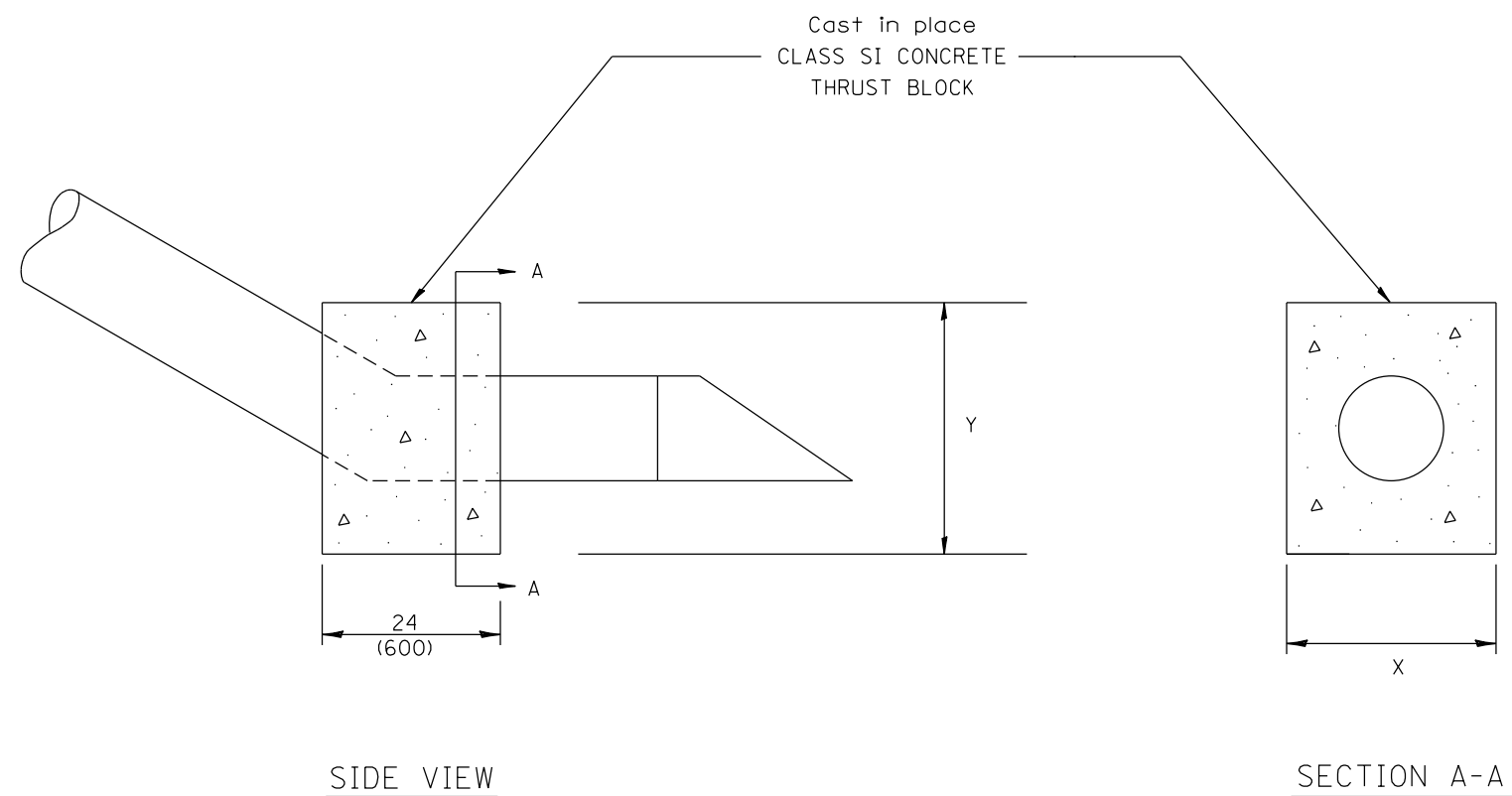
\* Approximate - based upon 0.5% inlet and outlet flowlines.



All dimensions are in inches (millimeters) unless otherwise noted.

## CONCRETE THRUST BLOCK BILL OF MATERIALS

PIPE SIZE	X	Y	CLASS SI CONCRETE cu. yd. (m <sup>3</sup> )
12(300)	24(600)	24(600)	0.2(0.2)
15(375)	27(675)	27(675)	0.3(0.2)
18(450)	30(750)	30(750)	0.3(0.2)
24(600)	36(900)	36(900)	0.4(0.3)
30(750)	3'-6" (1.07m)	3'-6" (1.07m)	0.8(0.6)



The contract unit price each for CONCRETE THRUST BLOCK shall include the cost of excavation, CLASS SI CONCRETE and compacted backfill.

QUANTITIES	
CALC. BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION	

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. J-10.04, NEW REVISION BOX, ADDED QUANTITY	T.P.			
	CALCULATION BOX				
10-16-06	REVISED TO 2007 SPEC.	M.A.			

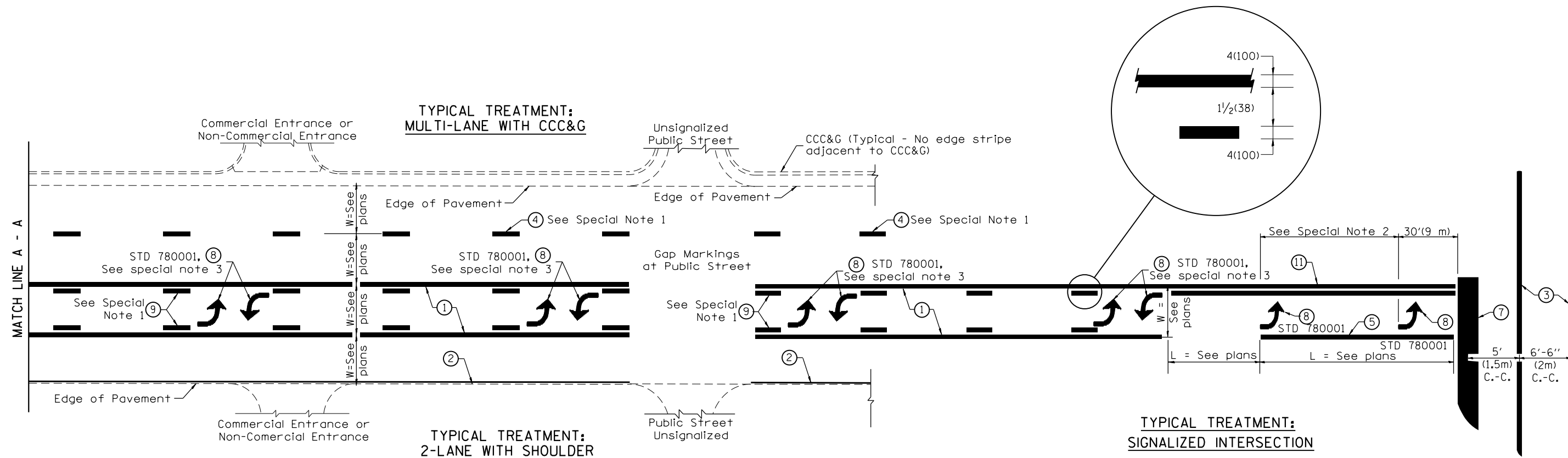
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CONCRETE THRUST BLOCKS**

NOT TO SCALE

CADD STD. 609001-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	53
CONTRACT NO. 68D51				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

**TYPICAL PAVEMENT MARKING LEGEND**

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)  
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

**SPECIAL NOTES**

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
  - A. A minimum of two (2) arrows is required.
  - B. The maximum spacing between arrows is 80' (24 m).
  - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
  - A. A minimum of two (2) arrow pairs is required.
  - B. The maximum spacing between arrow pairs is 200' (61 m).
  - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
  - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

**GENERAL NOTES**

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:  
Through Arrow= 14.8 sq. ft.  
Large Left or Right Arrow= 21.9 sq. ft.  
2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.  
Wrong Way Arrow= 29.5 sq. ft.  
Railroad Crossing Symbol= 69.8 sq. ft.  
(For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.			
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.			

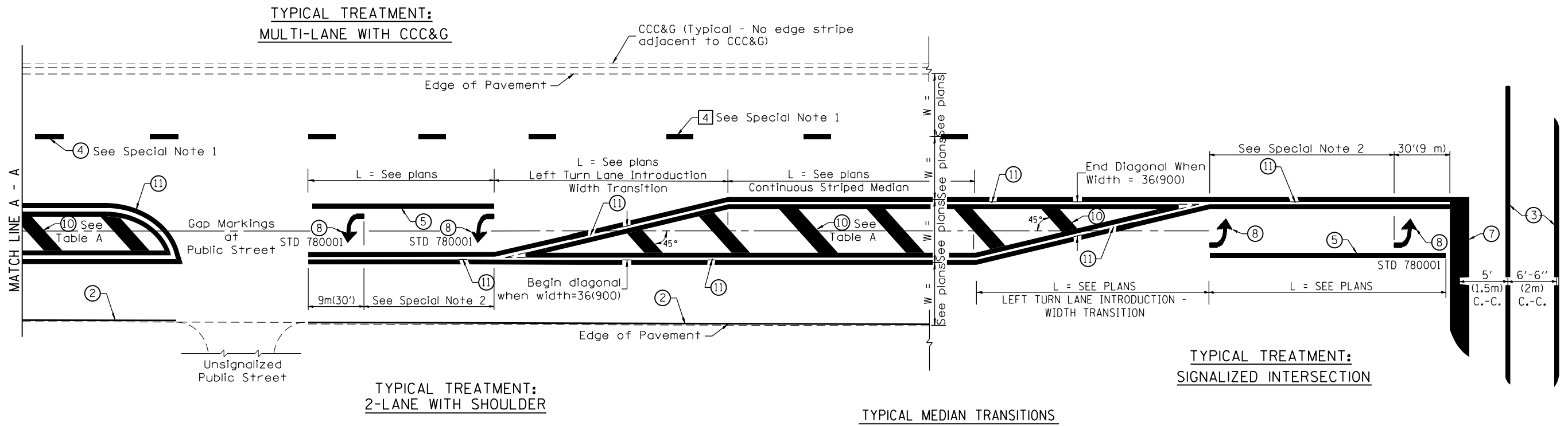
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

**TYPICAL PAVEMENT MARKINGS**

SHT. 1 OF 2  
CADD STD. 780001-D4

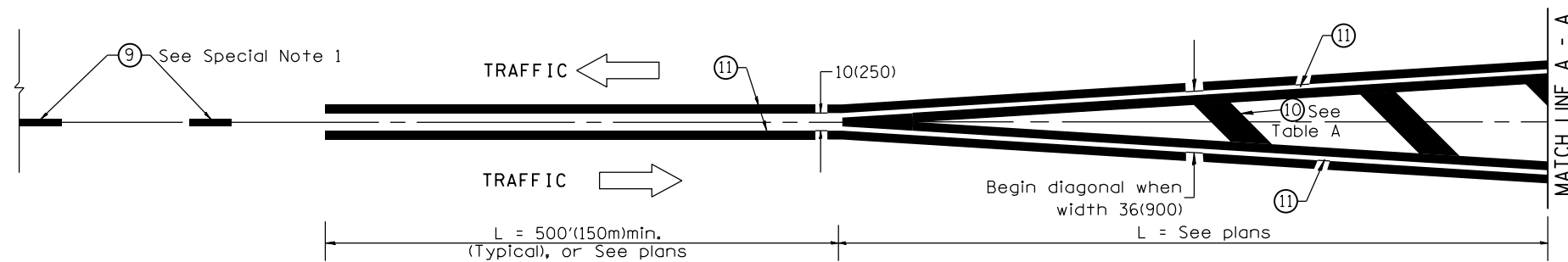
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13[HB(1,2,3)HVB]RS-2	TAZEWELL	55	54
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68D51	



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A  
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



MEDIAN INTRODUCTION - WIDTH TRANSITIONS

All dimensions are in inches (millimeters) unless otherwise noted.