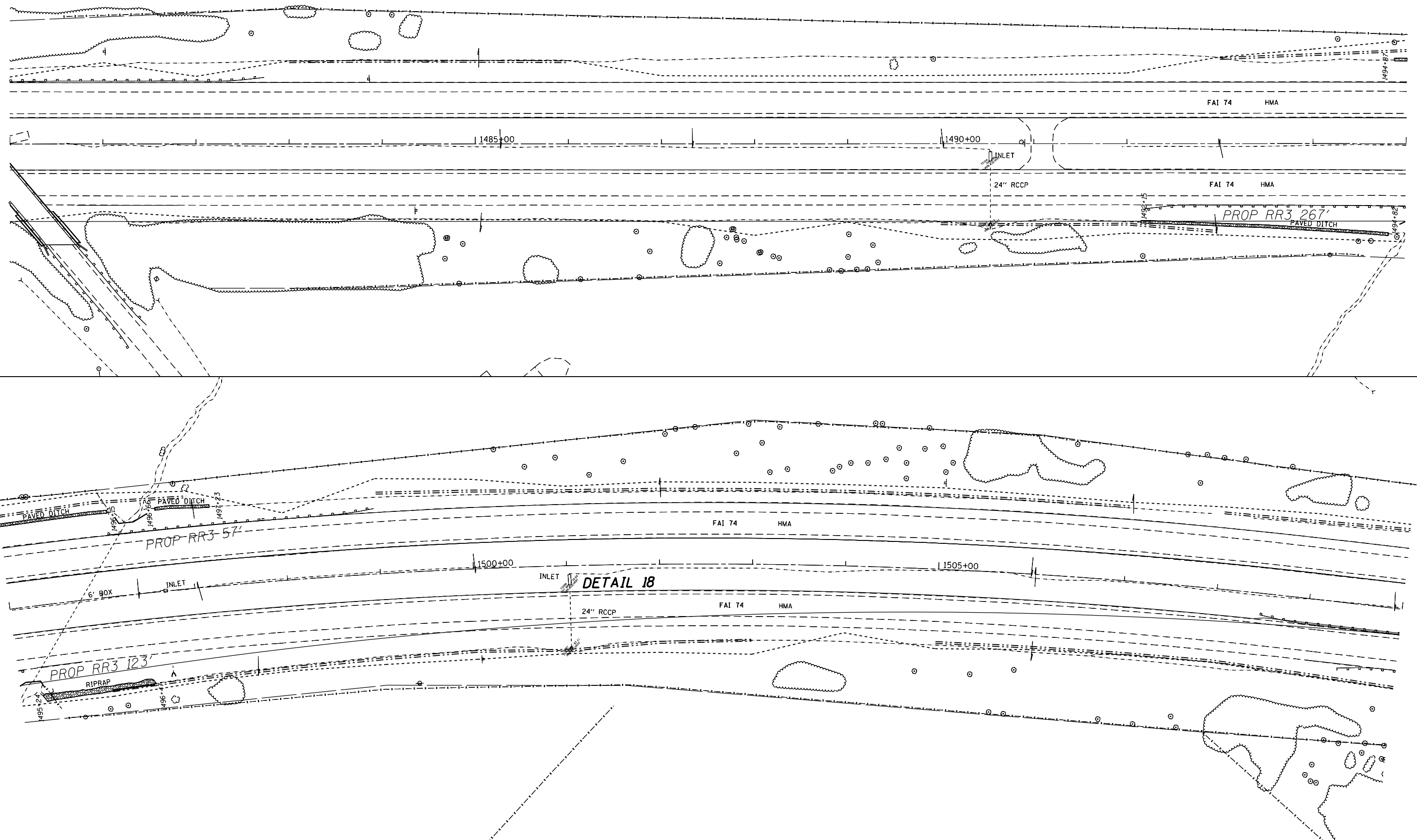


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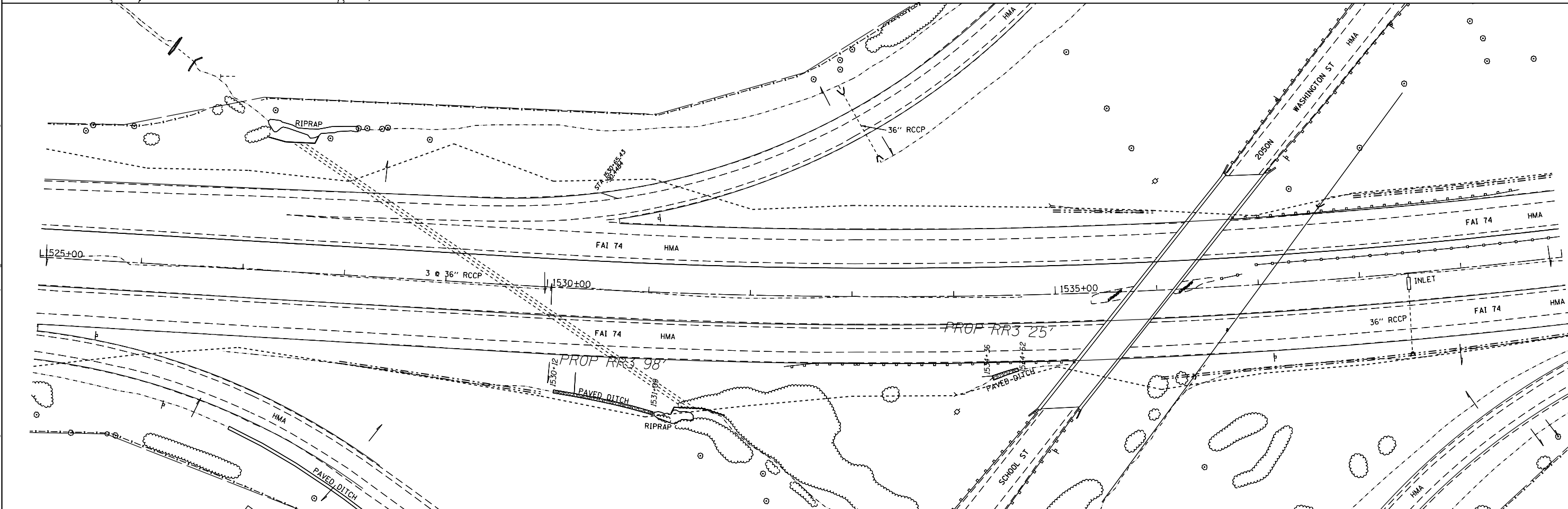
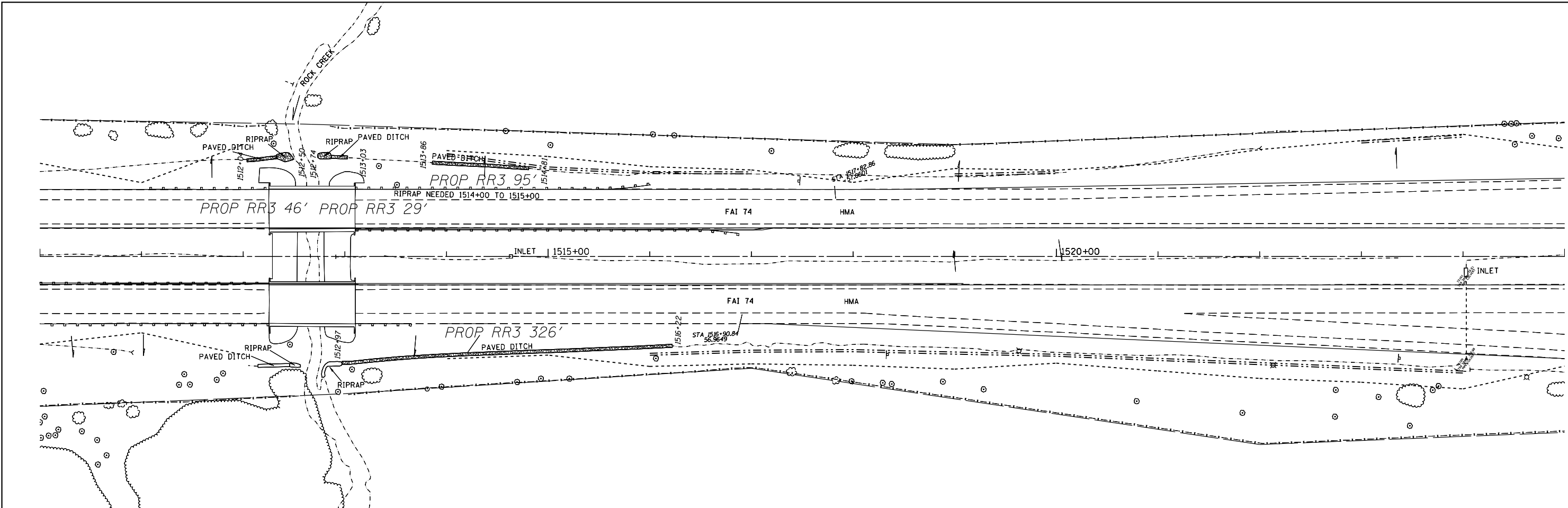
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17, 90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/ MCCLELLAN	504	201
FAP 702 (IL 117)	CONTRACT NO. 68A79		ILLINOIS FED. AID PROJECT	



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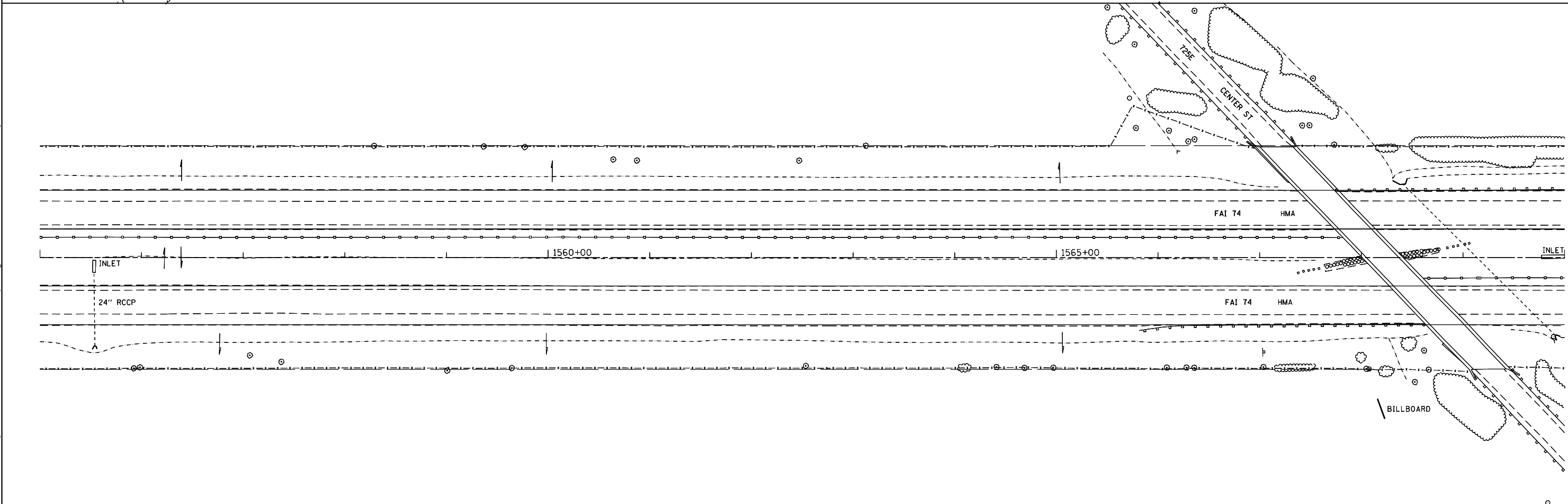
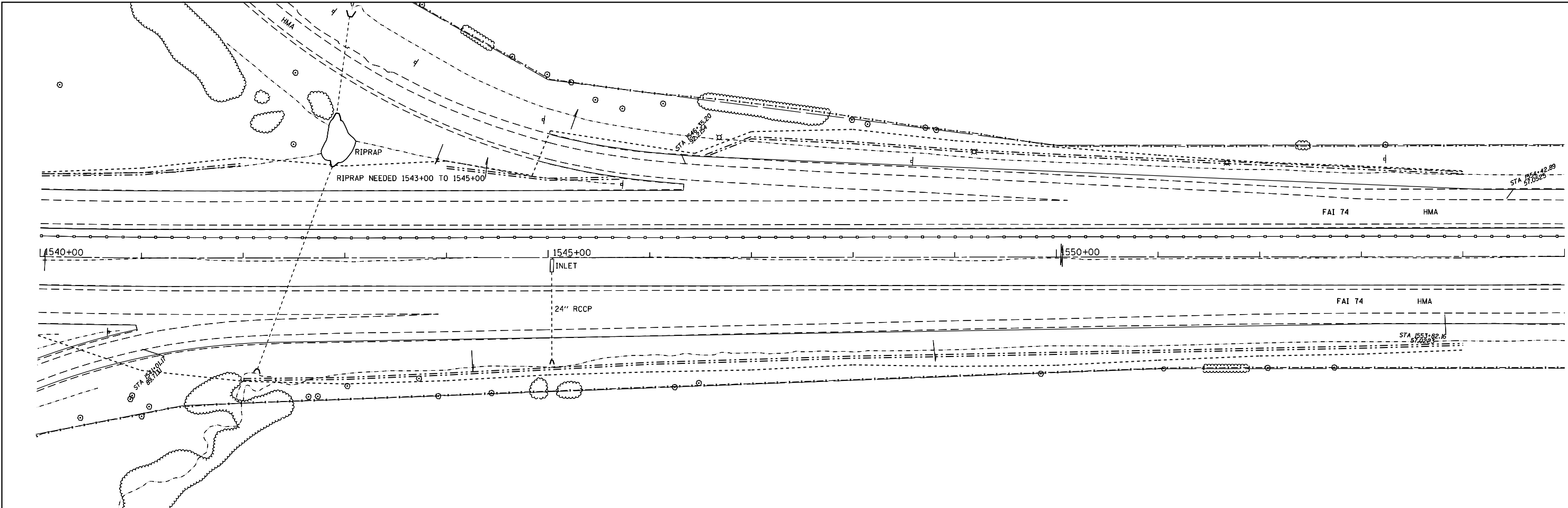
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PLOT DATE = 2/5/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17, 90-15)RS-5 ₂ (57-17)RS-4	TAZEWELL / WOODFORD / MCKEAN	504	202
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			



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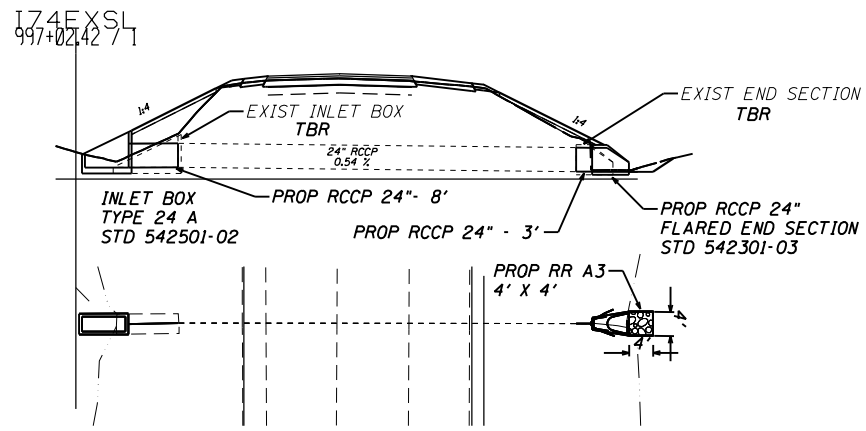
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PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

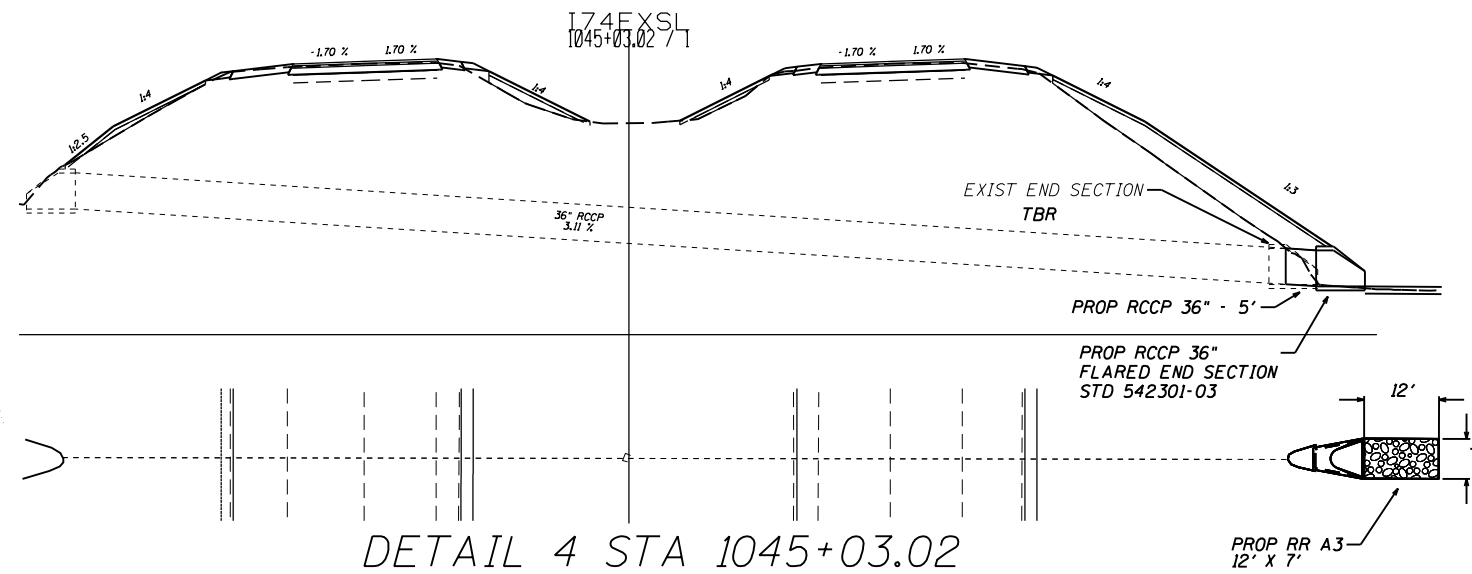
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SCALE: SHEET OF SHEETS STA. TO STA.

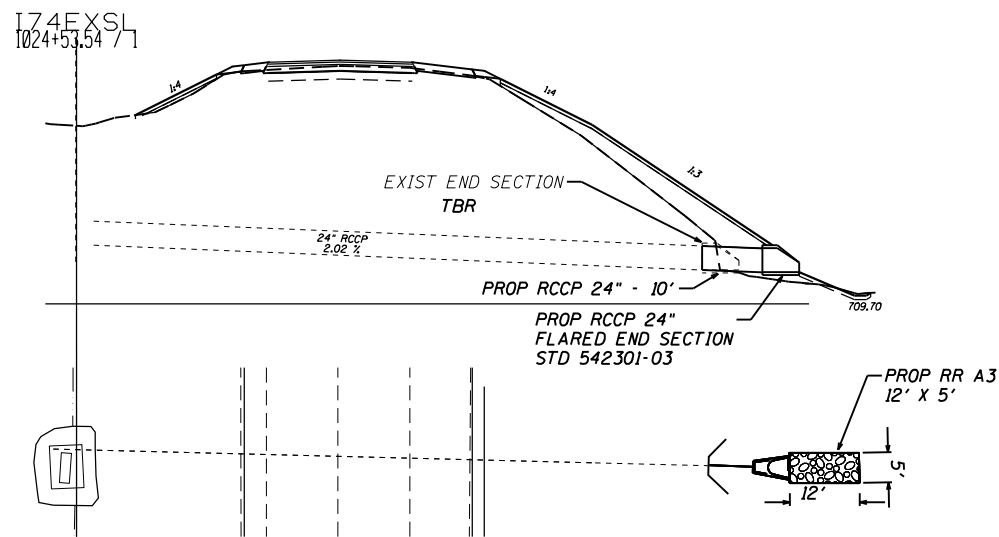
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17, 90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/ MCCLENN	504	203
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			



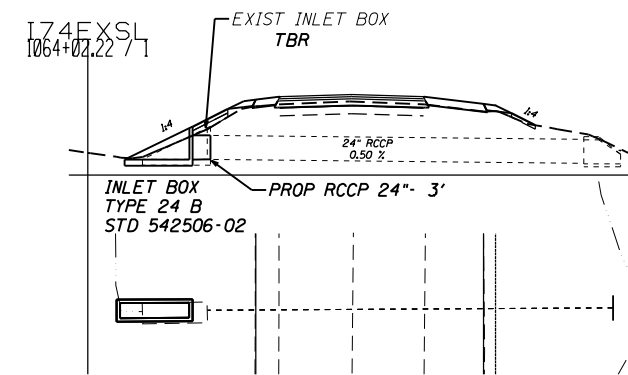
DETAIL 1 STA 997+02.42 EB



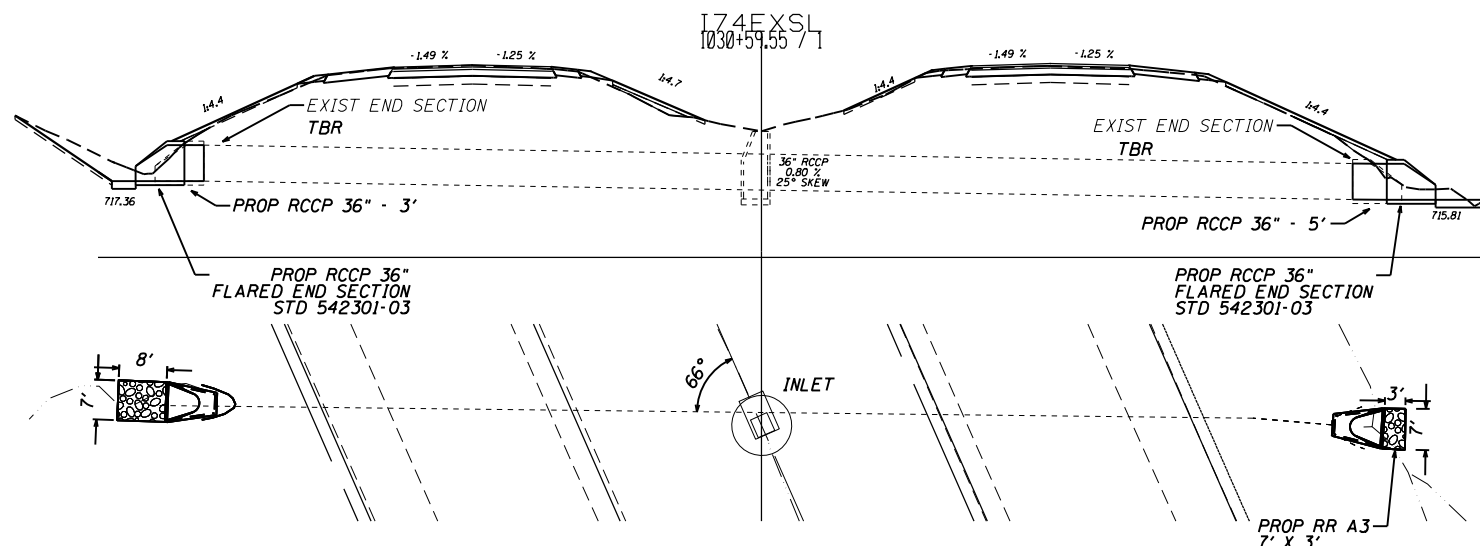
DETAIL 4 STA 1045+03.02



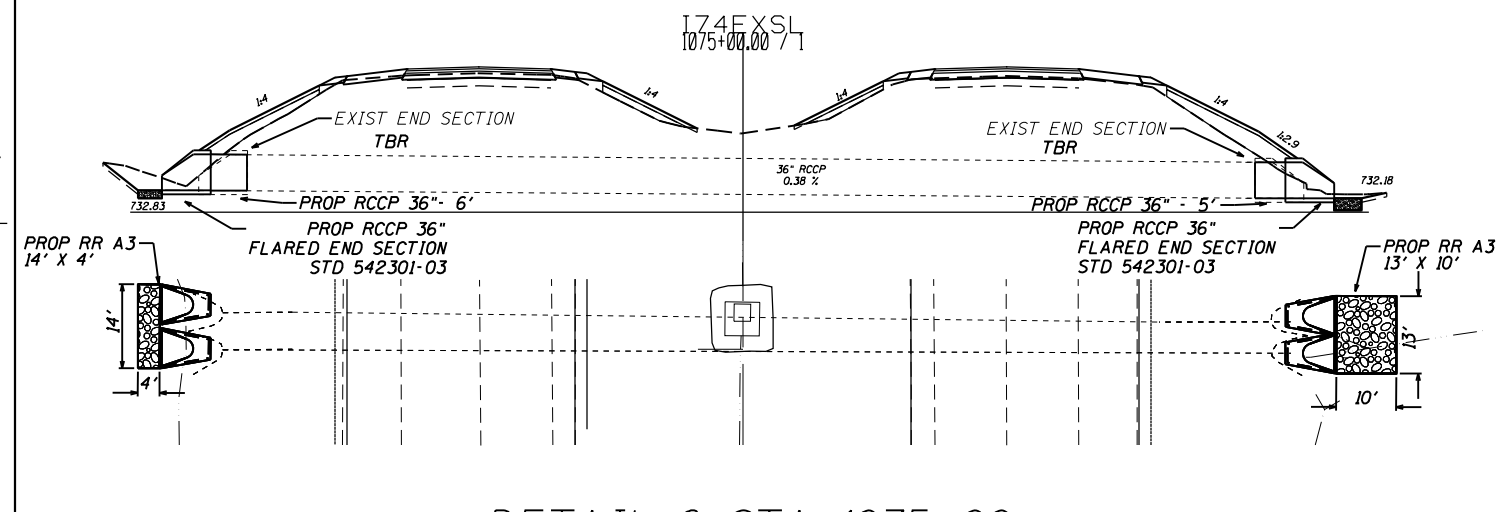
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DETAIL 5 STA 1064+02.22 EB



DETAIL 3 STA 1030+59.55



DETAIL 6 STA 1075+00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

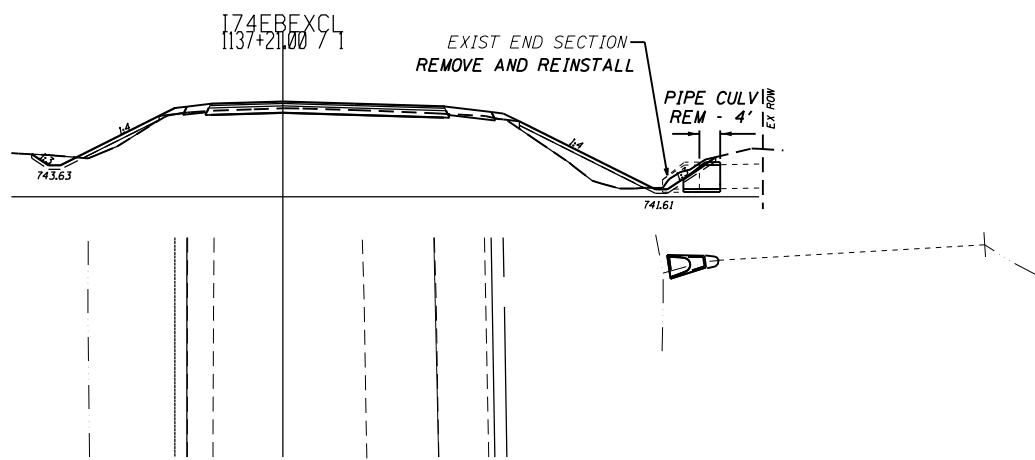
DRAINAGE STRUCTURE DETAILS

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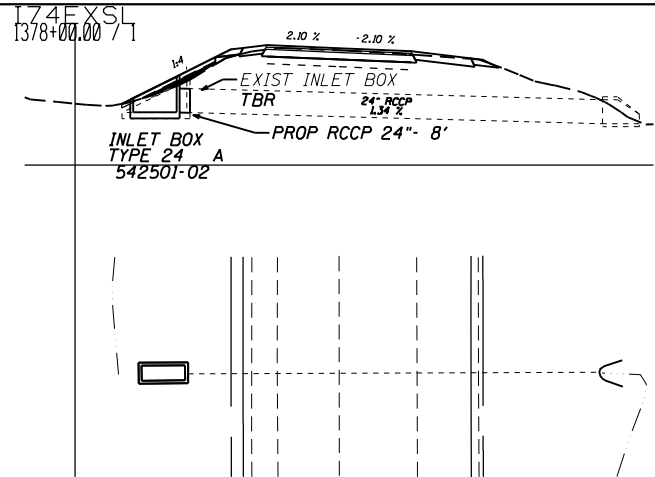
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17; 90-15)RS-5; (57-17)RS-4	TAZEWELL / WOODFORD / MCKEAN	504	204
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

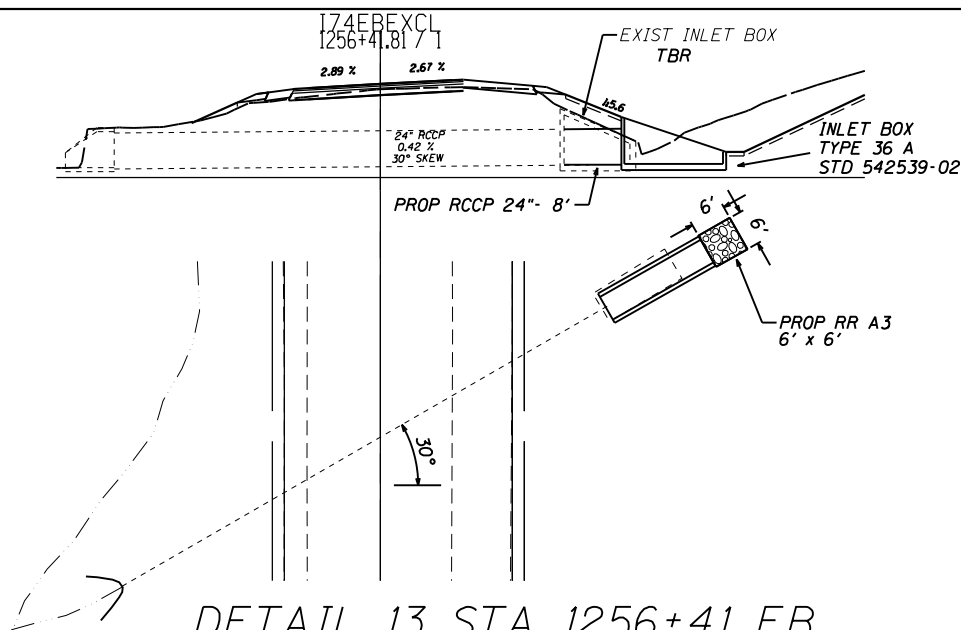
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 DESIGNER: STRUCTURE DETAILS



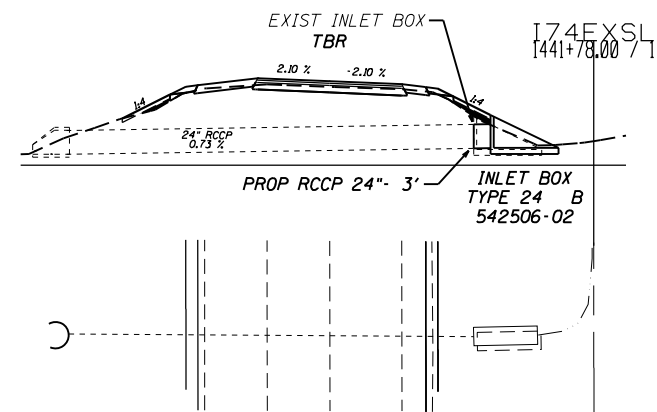
DETAIL 12 STA 1137+21 EB



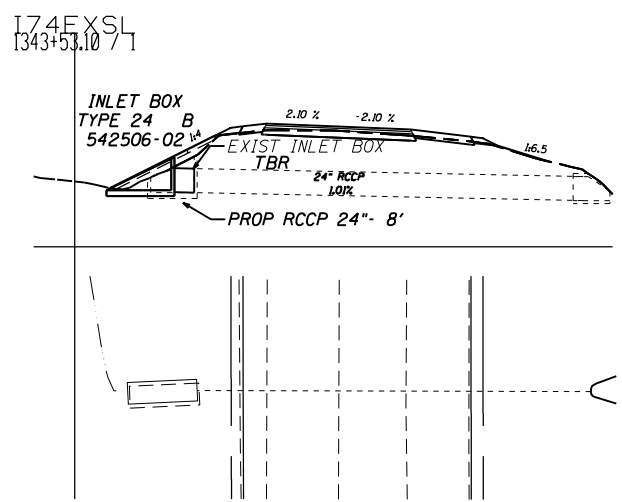
DETAIL 15 STA 1378+00 EB



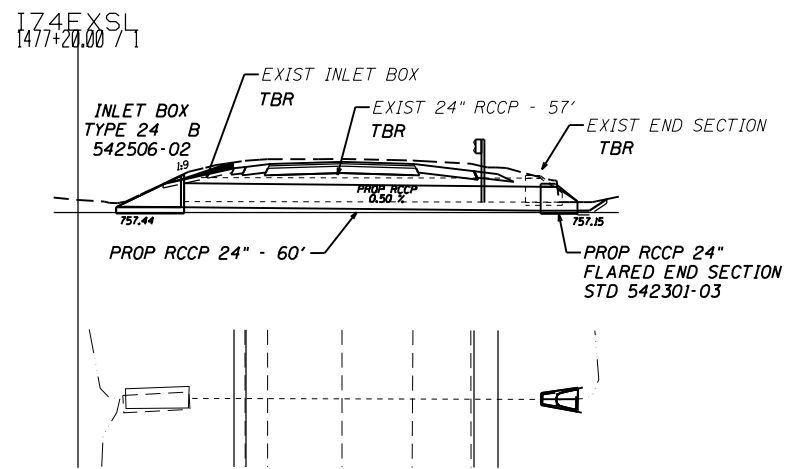
DETAIL 13 STA 1256+41 EB



DETAIL 16 STA 1441+78 WB



DETAIL 14 STA 1343+53.10 EB



DETAIL 17 STA 1477+20 EB

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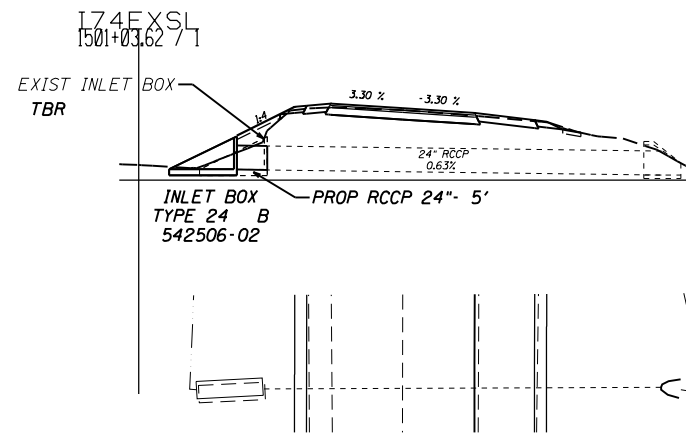
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PLOT DATE = 2/5/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

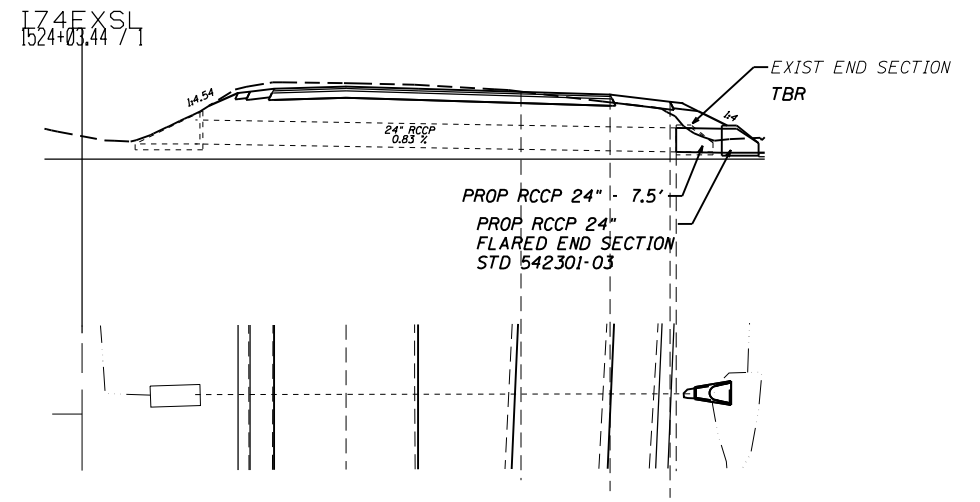
DRAINAGE STRUCTURE DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

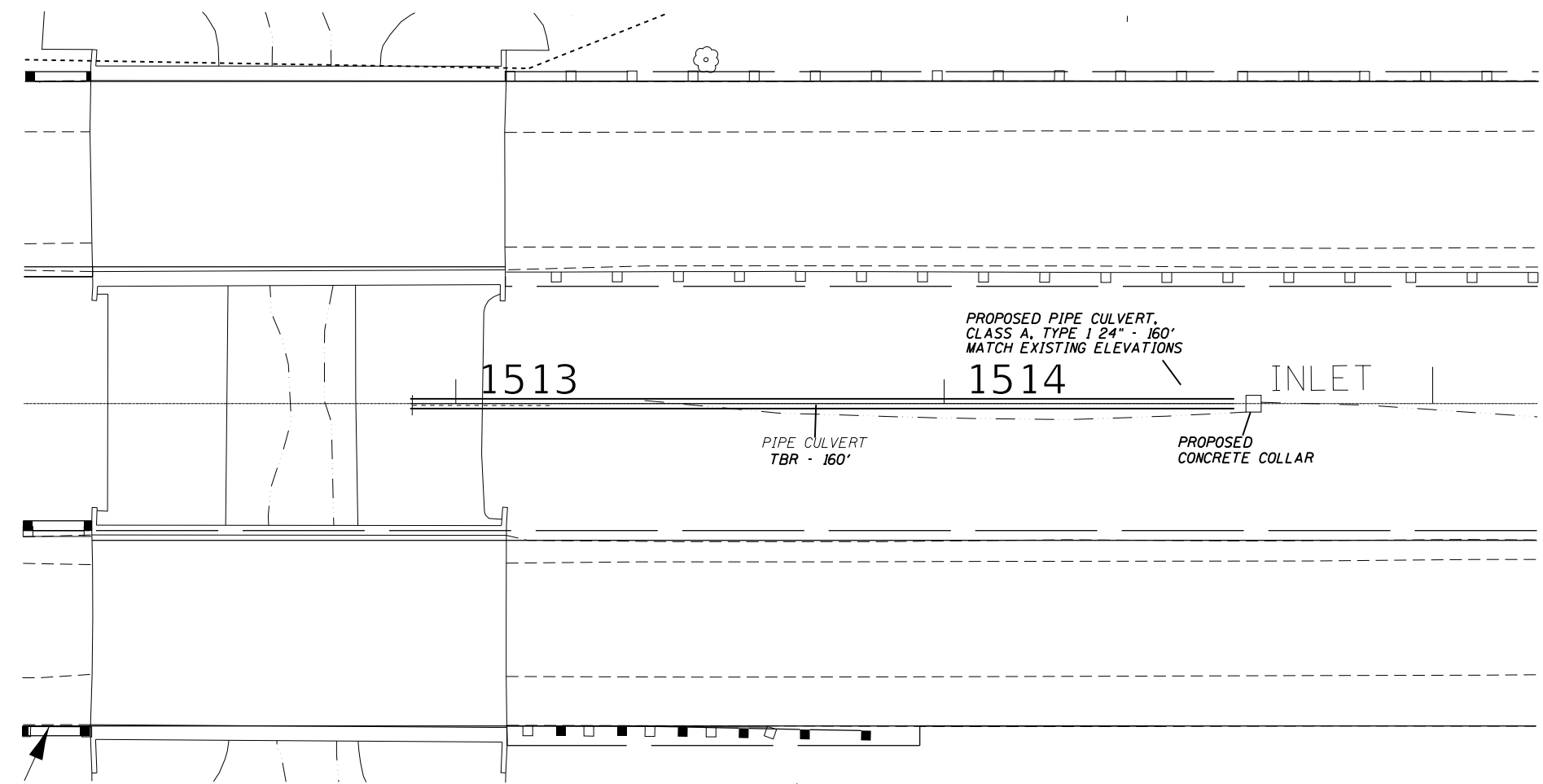
F.A.I. RTE. 74	SECTION (X3-16, 17, 90-15)RS-5; (57-1)RS-4	COUNTY TAZEWELL/ WOODFORD/ WHEELING	TOTAL SHEETS 504	SHEET NO. 206
FAP 702 (IL 117)	CONTRACT NO. 68A79		ILLINOIS FED. AID PROJECT	



DETAIL 18 STA 1501+03.62 EB



DETAIL 20 STA 1524+03.44 EB



DETAIL 19 STA 1512+90 TO 1514+50 - MEDIAN

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 DISTRICT: 174EXSL
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE STRUCTURE DETAILS

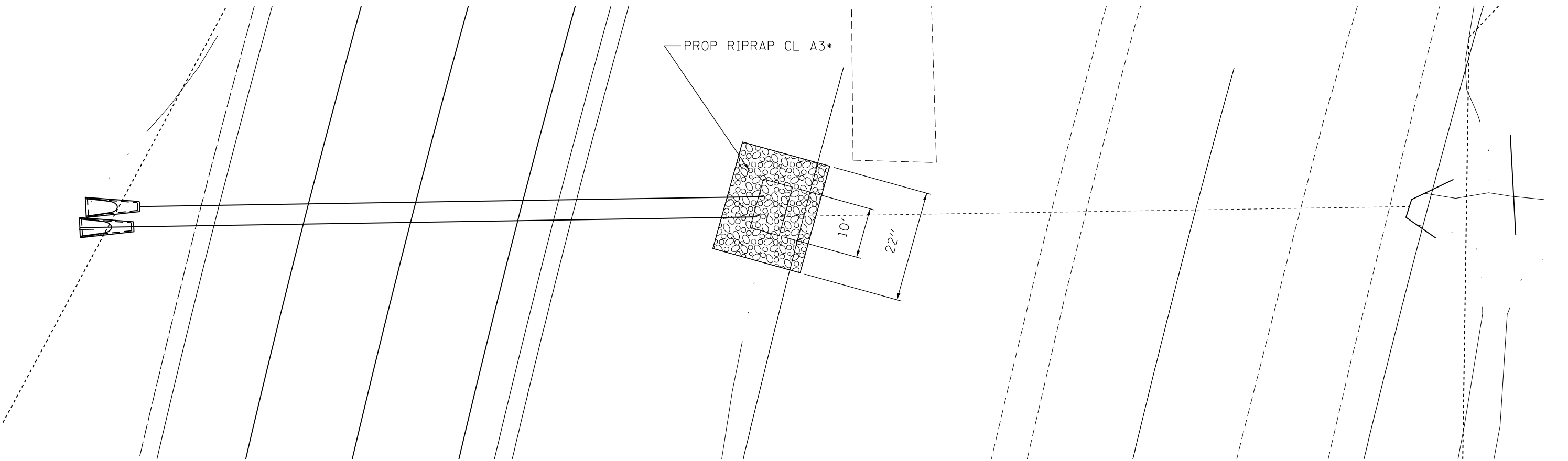
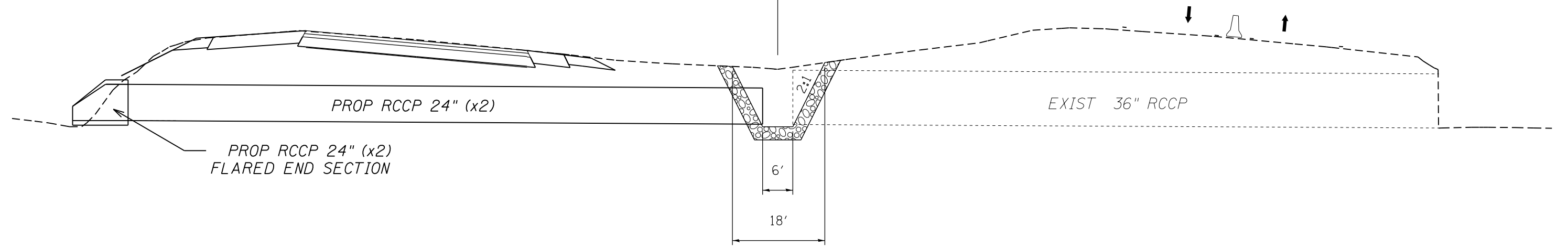
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17; 90-15)RS-5; (57-17)RS-4	TAZEWELL / WOODFORD / MCKEAN	504	207
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

*COST OF EXCAVATION INCLUDED
IN THE COST OF RIPRAP

STAGE 3B CONSTRUCTION

STAGE 3B TRAFFIC



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

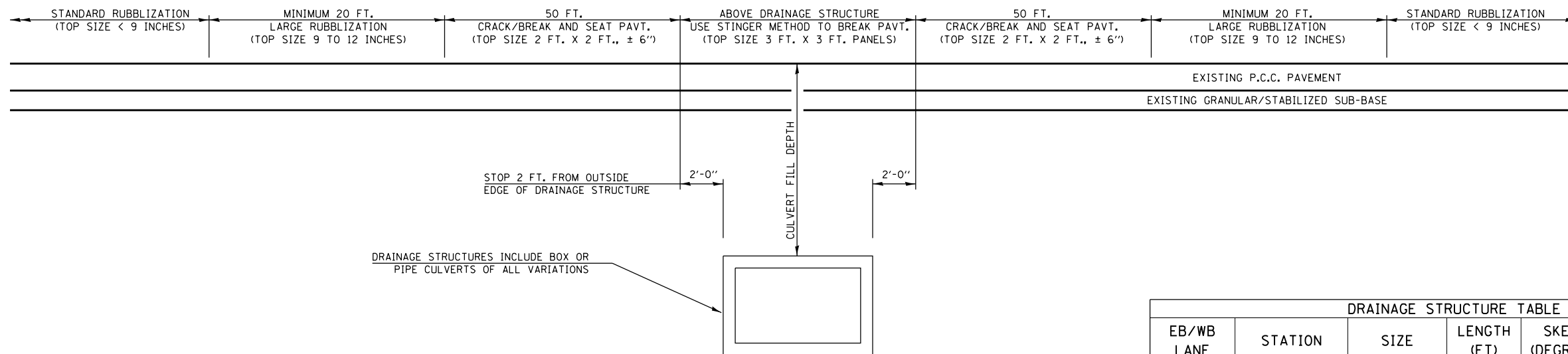
STA 1121 + 52.83
CULVERT STAGING DETAIL

SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	0X3-16, 17, 90-15/RS-54 157-17/RS-4	TAZEWELL/WOODFORD/MCCLEAN	504	208
FAP 702	(IL 117)	ILLINOIS FED. AID PROJECT	CONTRACT NO. 68A79	

RUBBLIZATION AT DRAINAGE STRUCTURES FOR CULVERT FILL DEPTH EQUAL TO OR LESS THAN 8 FT.

(USE STANDARD RUBBLIZATION WITH C.F.D. GREATER THAN 8 FT.)



DRAINAGE STRUCTURES INCLUDE BOX OR PIPE CULVERTS OF ALL VARIATIONS

DRAINAGE STRUCTURE TABLE						
EB/WB LANE	STATION	SIZE	LENGTH (FT)	SKIEW (DEGREE)	TYPE OF CULVERT	FILL HEIGHT
EB	997+02.42	24"	69	-	RCCP	5.1
EB/WB	1004+00.00	30" (2)	174	-	RCCP (2)	4.2
EB	1014+04.89	24"	64	-	RCCP	1.5
EB/WB	1030+59.55	36"	192	25	RCCP	5.1
EB/WB	1041+02.17	36"	199	-	RCCP	4.5
EB	1064+02.22	24"	64	-	RCCP	9.0
EB/WB	1075+03.80	36" (2)	171	-	RCCP (2)	5.5
EB	1087+02.32	24"	73	-	RCCP	2.2
EB/WB	1091+00.00	36" (2)	180	-	RCCP (2)	6.5
WB	1158+87.94	30"	52	-	RCCP	1.0
WB	1202+81	24"	89	20	RCCP	7.0
WB	1213+90.52	30"	97	30	RCCP	4.1
EB	1215+25	24"	94	30	RCCP	2.5
WB	1252+00	36"	87	25	RCCP	2.5
EB	1256+40	36"	79	30	RCCP	2.5
EB	1280+20	24"	65	-	RCCP	3.5
EB/WB	1286+56.2	36"	203	25	RCCP	5.0
EB/WB	1306+00	24"	69	-	RCCP	2.1
EB/WB	1317+00	24" (2)	154	-	RCCP(3)	2.3
EB	1343+53.10	24"	64	-	RCCP	1.5
EB/WB	1359+09	10' x 12' (2)	150	8	Box	3.0
EB/WB	1359+09	10' x 12' (2)	150	8	Box	3.0
EB	1359+50	24"	96	-	RCCP	6.5
EB/WB	1369+70.28	36"	174	-	RCCP	4.5
EB	1378+00	24"	56	-	RCCP	1.8
EB/WB	1395+00	36 (2)	201	-	RCCP(2)	7.5
EB/WB	1409+00	7' x 4'	158	-	Box	1.5
EB/WB	1416+00	30" (2)	179	-	RCCP(2)	3.8
EB/WB	1430+53.2	24"	177	-	RCCP	3.3
EB/WB	1435+00	48"	184	-	RCCP	5.0
WB	1441+75	24"	69	-	RCCP	1.5
EB/WB	1452+00	36"	178	-	RCCP	6.8

NOTES

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT ALL DRAINAGE STRUCTURES PRIOR TO AND DURING THE RUBBLIZATION OPERATIONS. ANY DAMAGE TO A DRAINAGE STRUCTURE RESULTING FROM THE RUBBLIZATION OR OTHER CONSTRUCTION ACTIVITY SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER. THE TABLE PROVIDED ON THIS SHEET IS A LIST OF STRUCTURES KNOWN TO EXIST AT THE TIME THE PLANS WERE COMPLETED THAT LIE WITHIN THE LIMITS OF THIS SECTION AND HAVE FILL DEPTHS EQUAL TO OR LESS THAN 8 FEET.

ESTIMATED FILL DEPTHS PROVIDED REPRESENT THE DIFFERENCE IN ELEVATION FROM THE EXISTING TOP OF EDGE OF PAVEMENT TO THE TOP OF THE CULVERT.

USE OF VIBRATORY ROLLERS IS ALLOWED OVER ALL DRAINAGE STRUCTURES.

THIS WORK TO BE PAID BY THE SQUARE YARD AS RUBBLIZING PORTLAND CEMENT CONCRETE PAVEMENT. SEE SPECIAL PROVISIONS.

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

RUBBLIZATION AT STRUCTURES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(K3-16),17-90-15/RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLEAN	504	209
FAP 702	ILLINOIS		CONTRACT NO. 68A79	
(IL 117)	ILLINOIS		FED. AID PROJECT	

EXISTING WESTBOUND PAVEMENT AND SUBGRADE RUBBLIZATION DATA

Station	Location				PCC (CRCP)	Subbase (Type A)	Material	Subbase Bottom Depth	0 - 6"	6" - 12"	12" - 18"	18" - 24"	24" - 30"	30" - 36"			Avg. IBV (Top 12" of Subgrade) *	Rubblization Method Allowed (Fig. 54-5.T)	Rubblization or Full-Depth Pavement	
	PS	PL	DL	DS																
972+00				X	7"	4"	Agg.	17.6"				2.7	9.2,11.2	7.7,13.2			7.7	I-IV	Full-Depth	
986+00	X				7"	4"	Agg.	12.4"			3.2	2.9	3	4	3.2	2.9	4.6	I-II	Rubblization	
1000+00				X	7"	4"	Agg.	13.6"			238.5(rock) 143.1(rock)	52.6(rock)	21.9	6.0,7.0	4.2,9.2	37.3	14	26.8	I-IV	Rubblization
1014+00	X				7"	4"	Agg.	13.0"			7	4.2	24.7	40	5.6	6.8	6.2	I-IV	Rubblization	
1028+00				X	7"	4"	Agg.	14.4"			46.4(rock)	52.6(rock)	21.9	5.5,18.4	16.6	21.9	11.3	13.7	I-IV	Rubblization
1042+00	X				7"	4"	Agg.	10.2"			8.1	4.6	7.4	24	6.1	4.6	5.4	I-IV	Rubblization	
1056+00				X	7"	4"	Agg.	15.0"			31.5(rock)	25	9.2	15.7	25	12.5	16.6	I-IV	Rubblization	
1070+00		X			7"	4"	Agg.	11.0"				3.9,9.8	8.6,19.4	15.7,9.8	3.9	6.9	5.4	I-II	Rubblization	
1086+00				X	7"	4"	Agg.	15.8"				25(rock)	14.3	7.3	6.6,41.6	14.3	7.3	10.8	I-IV	Rubblization
1100+00		X			7"	4"	Agg.	13.0"			7.5	6.4	8.6,21.9	17.4,18.4	7	7.5	7.5	I-IV	Rubblization	
1120+00				X	7"	4"	Agg.	14.8"			21.9	20.0,6.0	6	9.2,23.3	21	6	13.5	I-IV	Full-Depth	
1140+00	X				7"	4"	Agg.	12.2"			9.5	12.6	15.3	12.3	9.5	12.6	11.2	I-IV	Rubblization	
1154+00				X	7"	4"	Agg.	18.6"				5	9.8,37.6,46.4	37.6,31.5	7.4	42	27.3	I-IV	Rubblization	
1168+48				X	7"	4"	Agg.	13.8"			16.4,11.3	11.3,14.5	10.0,31.0	55.0, 60.0	13.9	14.5	14.2	I-IV	Rubblization	
1182+00				X	7"	4"	Agg.	15.6"				12.1	20.6	19.4,31.5	12.1	20	17.4	I-IV	Rubblization	
1202+00				X	7"	4"	Agg.	16.4"				25	5.5,9.2	10.4,10.3	15.3	7.4	13.2	I-IV	Rubblization	
1218+00	X				7"	4"	Agg.	13.0"			4.3	4.9	8.0,9.2	9.2,8.2	4.3	25	14.7	I-IV	Rubblization	
1244+00				X	7"	4"	Agg.	15.0"			14.3	25	25,21.9	16.6	19.7	23.5	21.6	I-IV	Rubblization	
1262+00	X				7"	4"	Agg.	13.4"			6	3.8,3.8	10	27,30	4.9	5.9	5.4	I-IV	Rubblization	
1282+00				X	7"	4"	Agg.	15.2"				5.1,8.6	8.1	20.6,25.0	6.9	8.4	7.3	I-IV	Rubblization	
1296+00		X			7"	4"	Agg.	10.8"			5.3	8	9.8,9.8	17.4,12.1	5.3	8.9	7.7	I-IV	Rubblization	
1302+00				X	7"	4"	Agg.	16.6"				6.0,18.4	20.6	26.9	12.2	19.5	15	I-IV	Rubblization	
1316+00	X				7"	4"	Agg.	11.4"			7	5.7	8.6	9.2	6.5	7.2	7.1	I-IV	Rubblization	
1334+00				X	7"	4"	Agg.	20.8"					7.3,10.4	29.0,26.9	8.9	19.7	15.6	I-IV	Rubblization	
1344+00	X				7"	4"	Agg.	11.2"			15.7	17.4,10.4	11.2,9.2	7.3	16.6	13.9	14.5	I-IV	Rubblization	
1358+00				X	7"	4"	Agg.	16.8"				2.3,14.3	19.4	23.3,29.0	8.3	21.4	14.8	I-IV	Rubblization	
1372+00	X				7"	4"	Agg.	14.7"				6.1,5.0	9.9,10.8	9.1,7.9	6.1	7.5	7	I-IV	Rubblization	
1386+00				X	7"	4"	Agg.	15.6"			99.6(rock)	9.2,2.3,5.5	10.4	8.6,37.6	5.6	8	7.2	I-IV	Rubblization	
1400+00	X				7"	4"	Agg.	16.2"				3.5	5.9,17.9,17.9,17.9,27.9	21.9,27.9,31.5,31.5	4.7	13.9	12.6	I-II	Rubblization	
1414+00				X	7"	4"	Agg.	17.8"				12.4,31.5	41.6,34.3	23.3,34.3	21.8	38	28.6	I-IV	Rubblization	
1428+00	X				7"	4"	Agg.	16.4"				6.6	13.2,9.8	5.5	9.9	11.5	9.9	I-IV	Rubblization	
1442+00				X	7"	4"	Agg.	17.4"				15.4,9.2	8.1	10.4,8.1	12.3	9.3	10.8	I-IV	Rubblization	
1456+00	X				7"	4"	Agg.	18.8"				5.9	21.9,17.4,19.4	21.9,29.0,19.4	13.9	19.6	17.3	I-IV	Rubblization	
1474+00				X	7"	4"	Agg.	11.8"			21.9(rock), 7.0	5.1	12.6	8	14.5	8.9	11.7	I-IV	Full-Depth	
1508+00	X				7"	4"	Agg.	16.6"				9.8,14.3	15.7,19.4	19.4,17.4,16.6	12	16.5	14.8	I-IV	Full-Depth	
1554+00				X	7"	4"	Agg.	13.2"			59.8(rock)	8.2	3.3,5.0	12.1,7.0	8.2	5.8	6.2	I-IV	Full-Depth	

Notes:

- IBV's not calculated based on weighted average of layer thickness. Method of sampling not accurate enough to make this accuracy relevant.
 - The average IBV for the top 5" = 2.4
 - The average IBV for the top 6" = 2.9
- Dynamic cone readings on "Rock" were not used in determining average IBV's. This would result in a higher IBV than may actually be present.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBGRADE AND PAVEMENT DATA FOR RUBBLIZATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16), 17-90-15/RS-5; (57-17)RS-4	TAZEWELL, WOODFORD, MCKEAN	504	210
FAP 702				CONTRACT NO. 68A79
(IL 117)		ILLINOIS	FED. AID PROJECT	

EXISTING EASTBOUND PAVEMENT AND SUBGRADE RUBBLIZATION DATA

Station	Location				PCC (CRCP)	Subbase (Type A)	Material	Subbase Bottom Depth	0 - 6"	6" - 12"	12" - 18"	18" - 24"	24" - 30"	30" - 36"	Avg. IBV (Top 12" of Subgrade)	Rubbilization Method Allowed (Fig. 54-5.T)	Rubbilization or Full-Depth Pavement		
	PS	PL	DL	DS															
980+00				X	7"	4"	Agg.	17.6"				5	13.7	11.2,16.6	10	I-IV	Rubbilization		
994+00				X	7"	4"	Agg.	16.4"				7.7	4.5	16.5	6.1	4.5	5.3	I-II	Rubbilization
1008+00	X				7"	4"	Agg.	18"				5	12.1,9.2	12.1	8.6	10.7	9.6	I-IV	Rubbilization
1022+00				X	7"	4"	Agg.	14.6"				21.2	12.6	14.3,11	21.2	12.6	16.9	I-IV	Rubbilization
1036+00	X				7"	4"	Agg.	15.8"				7.3	11.2,12.1	12.1,7	9.3	11.7	10.7	I-IV	Rubbilization
1050+00				X	7"	4"	Agg.	19.0"				18.4	4.1	7.6	11.3	5.6	9.8	I-IV	Rubbilization
1064+00	X				7"	4"	Agg.	17.6"				6.1	14.3,19.4,17.4	9.2	10.2	17	13.3	I-IV	Rubbilization
1078+00				X	7"	4"	Agg.	13.6"				13.7,7.0	8.1,14.3	16.6,21.9	10.4	7.6	9.6	I-IV	Rubbilization
1092+00	X				7"	4"	Agg.	16.0"				11.7,7	13.2,10.4	7.3	9.4	10.4	10.6	I-IV	Rubbilization
1103+00				X	7"	4"	Agg.	15.2"				3.5,7.0	12.4	15.0,14.3	5.3	13.7	9.5	I-IV	Rubbilization
1126+00	X				7"	4"	Agg.	16.0"				12.4,2.7	5.5,10.3	12.1,9.8	7.6	6.2	7.7	I-IV	Full-Depth
1146+00				X	7"	4"	Agg.	15.8"				11.3,8,3,3	12.1,15.7	12.6	6	13.9	9.2	I-IV	Rubbilization
1160+00	X				7"	4"	Agg.	16.0"				3.3	7.0,7.3	13.2,15.7	5.2	7.2	5.9	I-IV	Rubbilization
1174+00				X	7"	4"	Agg.	20.2"				2.6	7.8	6.1,8.5	5.2	7.5	6.3	I-IV	Rubbilization
1208+00				X	7"	4"	Agg.	13.0"			20	4.5,4.1	11.6	16.4,12.1	12.3	7.9	10	I-IV	Rubbilization
1229+00				X	7"	4"	Agg.	13.6"			37.6(rock)	52.6(rock)	52.6(rock), 19.4, 29		Rock	19.4	19.4	I-IV	Rubbilization
1244+00	X				7"	4"	Agg.	10.8"				16.6	8.1,4.9	16.6	Rock	12.3	12.3	I-IV	Rubbilization
1258+00				X	7"	4"	Agg.	12.4"				3.3,3.1,7	7.6,7.7	11.4,13.2	11.6	5.9	8.2	I-IV	Rubbilization
1272+00	X				7"	4"	Agg.	16.8"				17.4,12.1	17.4,17.4	17.4,19.4,25	14.8	15.6	16.1	I-IV	Rubbilization
1298+00				X	7"	4"	Agg.	12.0"			8.2	13.2	15.0,9.8	7.6,13.2	10.7	14.1	12.1	I-IV	Rubbilization
1312+00	X				7"	4"	Agg.	14.2"			59.8(rock), 17.9(rock)	6.1	15.7,19.4,25	21.9,25,25	6.1	13.7	13.7	I-IV	Rubbilization
1320+00				X	7"	4"	Agg.	11.6"			238.5(rock), 69.4(rock)	3.8, 12.1	19.4, 19.4	25	3.8	11.8	11.8	I-II	Rubbilization
1352+00				X	7"	4"	Agg.	12.6"			69.4(rock),11	8.9,2	15	11.2,9.9	9.5	12.1	10.8	I-IV	Rubbilization
1338+00	X				7"	4"	Agg.	15.2"				52.6(rock) 8.1	19.4, 25.0, 25	19.4,12.1	8.1	17.5	>17.5	I-IV	Rubbilization
1366+00	X				7"	4"	Agg.	16.8"				46.4(rock)	5.5,15.7,34.3	19.4,17.4	5.5	18.5	18.5	I-IV	Rubbilization
1380+00				X	7"	4"	Agg.	15.5"			10.3	7.3,1.5	25	14.3	16.3	23.6	17.6	I-IV	Rubbilization
1394+00	X				7"	4"	Agg.	15.4"				166(rock), 7.0, 9.2	6.3,11.4	10.3,11.4	7	7.8	7.5	I-IV	Rubbilization
1408+00				X	7"	4"	Agg.	16.6"				13.2,14.3	7.7	7.7,11.4	13.8	7.7	10.7	I-IV	Rubbilization
1422+00	X				7"	4"	Agg.	14.8"			12.1	7.7	9.2	8.1	9.9	8.5	9.3	I-IV	Rubbilization
1436+00				X	7"	4"	Agg.	16.4"				1.6,3.1	11.1,4.3	17.4,17.9	2.4 **	14.2	9.5 **	I	Rubbilization
1450+00	X				7"	4"	Agg.	14.4"				99.6	6.3,6.6	17.4,21.9,29	6.3	6.5	6.5	I-IV	Rubbilization
1464+00				X	7"	4"	Agg.	14.4"			6	26.9	29.18.4	19.4	16.5	24.8	20.1	I-IV	Rubbilization
1482+00	X				7"	4"	Agg.	18.8"				11.2	17.4,8.6	9.8	14.3	9.2	11.8	I-IV	Full-Depth
1504+00				X	7"	4"	Agg.	15.6"				5.9,15.7	15.7,16.6	12.4	10.8	16.2	13.5	I-IV	Full-Depth
1538+00				X	7"	4"	Agg.	17.6"				1.6,4.1	6.3	4.8,6.3	2.9	5.6	4.2***	I	Full-Depth

- Notes:
- IBV's not calculated based on weighted average of layer thickness. Method of sampling not accurate enough to make this accuracy relevant.
 - The average IBV for the top 5" = 2.4
 - The average IBV for the top 6" = 2.9
- Dynamic cone readings on "Rock" were not used in determining average IBV's. This would result in a higher IBV than may actually be present.

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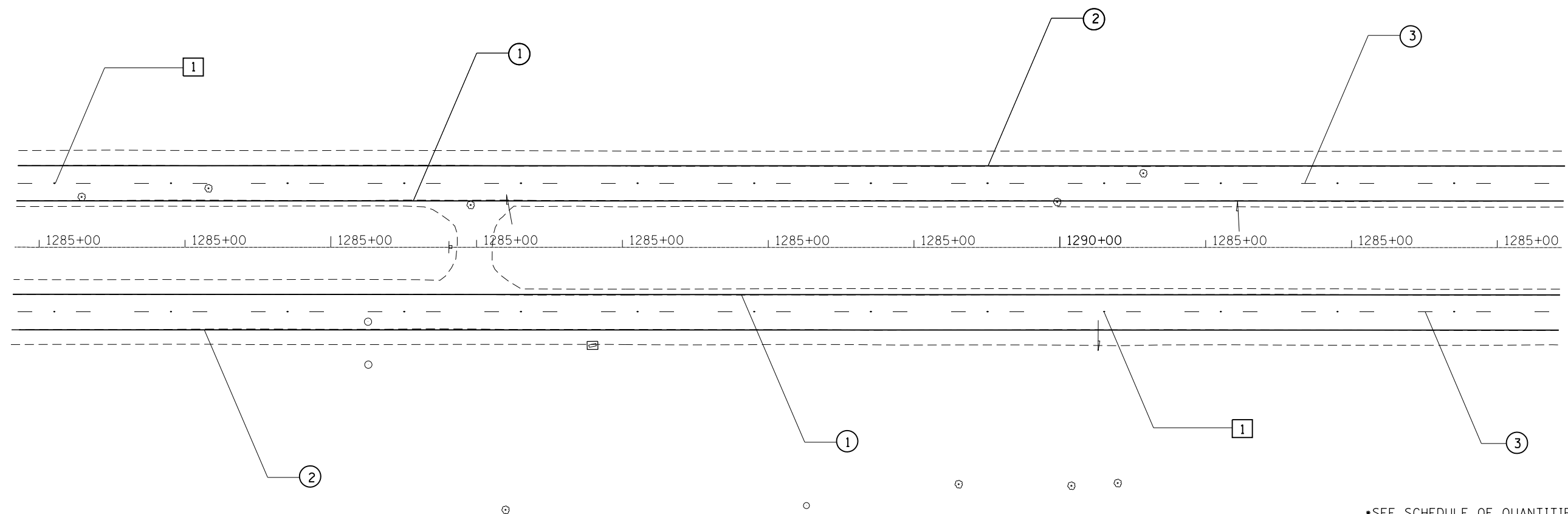
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBGRADE AND PAVEMENT DATA FOR RUBBLIZATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16),17-90-15/RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLEAN	504	211
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			



•SEE SCHEDULE OF QUANTITIES FOR FURTHER INFORMATION OF TOTAL QUANTITIES

PAVEMENT MARKING LEGEND

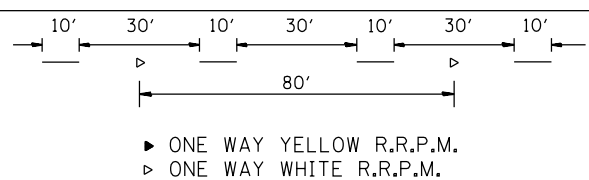
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③ 6" WHITE SKIP DASH	
④ 8" WHITE SKIP DASH	
⑤ 8" WHITE	
⑥ 12" WHITE	
⑦ 24' WHITE	
⑧ LETTERS AND SYMBOLS	
⑨ 4" WHITE SKIP DASH	

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

①	◁ ONE-WAY CRYSTAL MARKER AT 80' CENTERS
②	◁ ONE-WAY CRYSTAL MARKER AT 40' CENTERS
③	◁ ONE-WAY CRYSTAL MARKER AT 20' CENTERS
④	◁ ONE-WAY AMBER MARKER AT 40' CENTERS
	◁ ONE-WAY CRYSTAL MARKER
	◁ ONE-WAY AMBER MARKER

DELINEATORS

■	DELINEATOR WITH TWO AMBER REFLECTORS
■	DELINEATOR WITH THREE AMBER REFLECTORS



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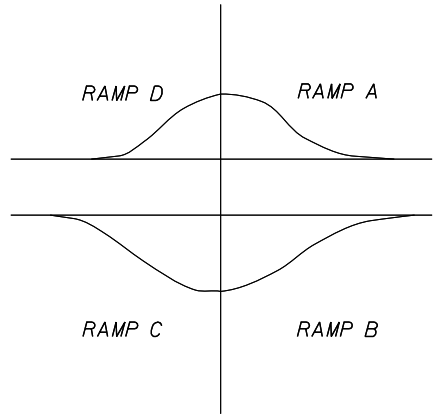
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PAVEMENT MARKINGS
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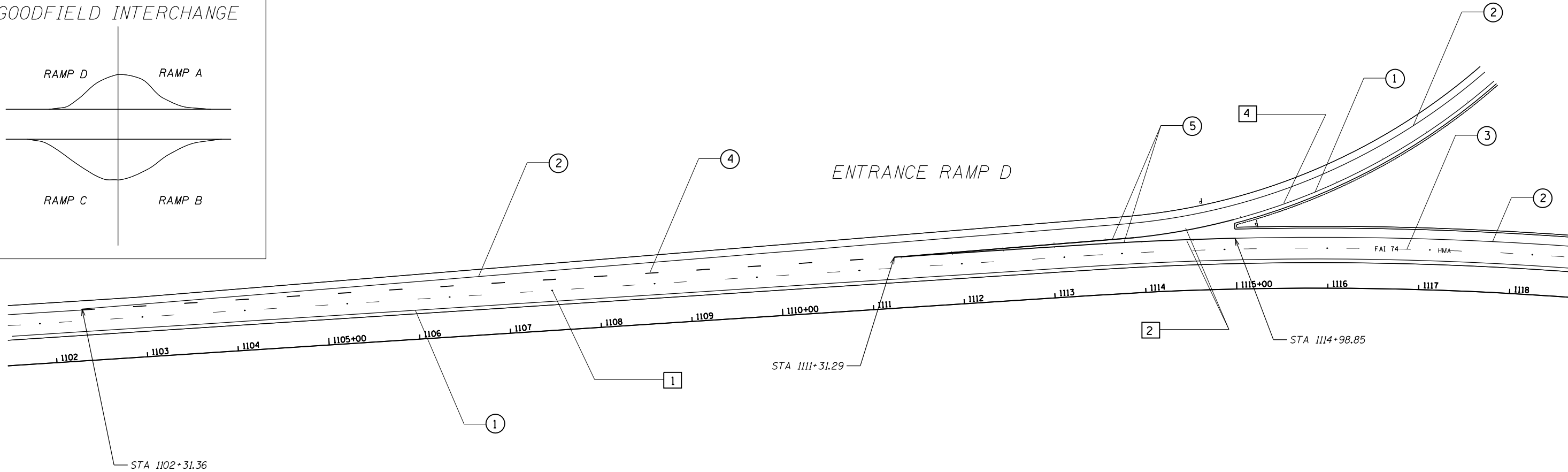
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17, 90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/ MCCLEAN	504	212
FAP 702 (IL 117)	ILLINOIS FED. AID PROJECT		CONTRACT NO. 68A79	

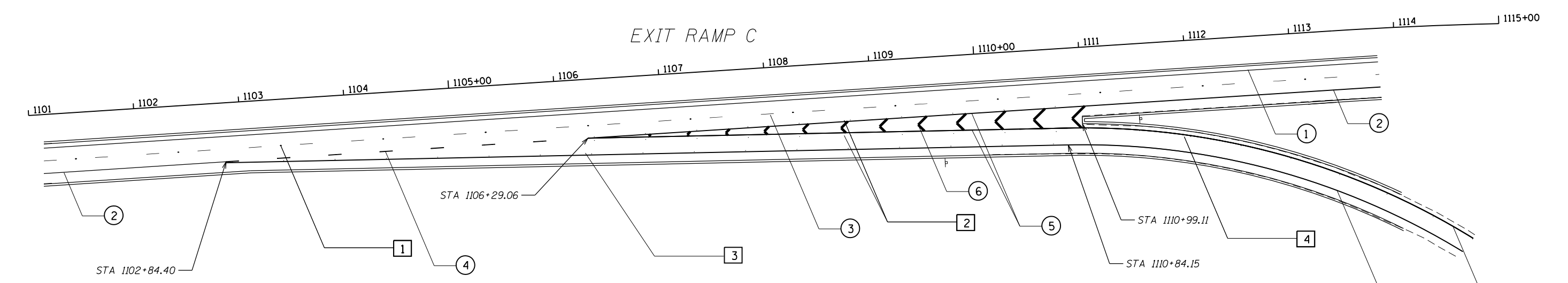
GOODFIELD INTERCHANGE



ENTRANCE RAMP D



EXIT RAMP C



PAVEMENT MARKING LEGEND

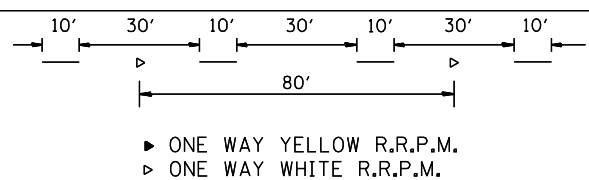
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- ③ 6" WHITE SKIP DASH
- ④ 8" WHITE SKIP DASH
- ⑤ 8" WHITE
- ⑥ 12" WHITE
- ⑦ 24' WHITE
- ⑧ LETTERS AND SYMBOLS
- ⑨ 4" WHITE SKIP DASH

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

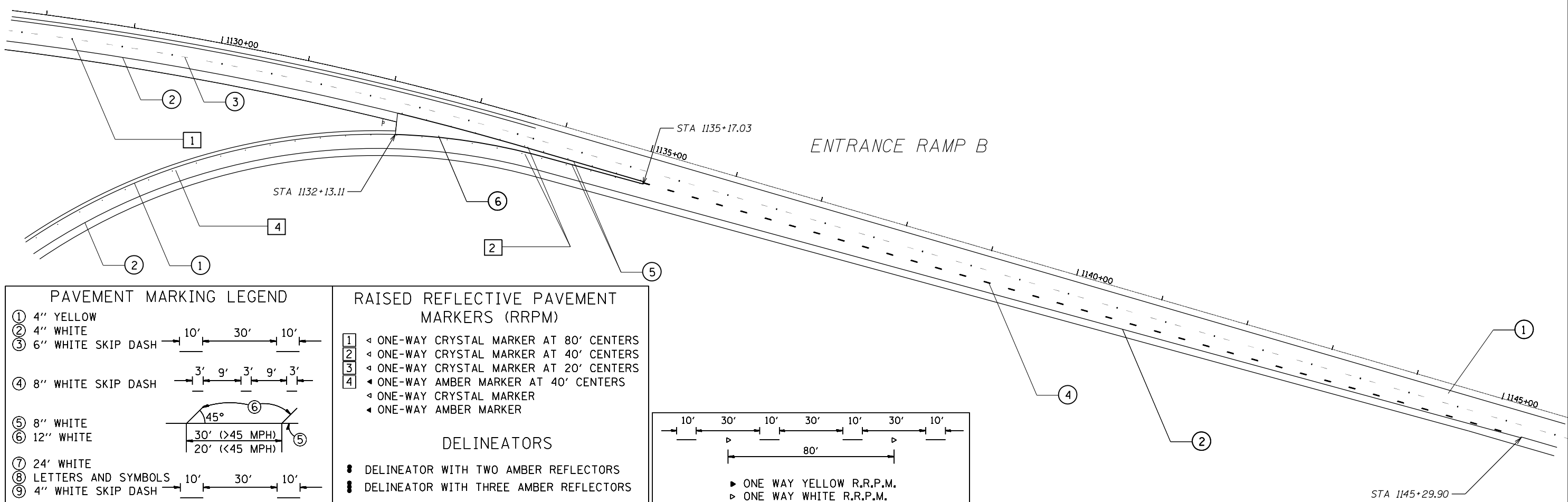
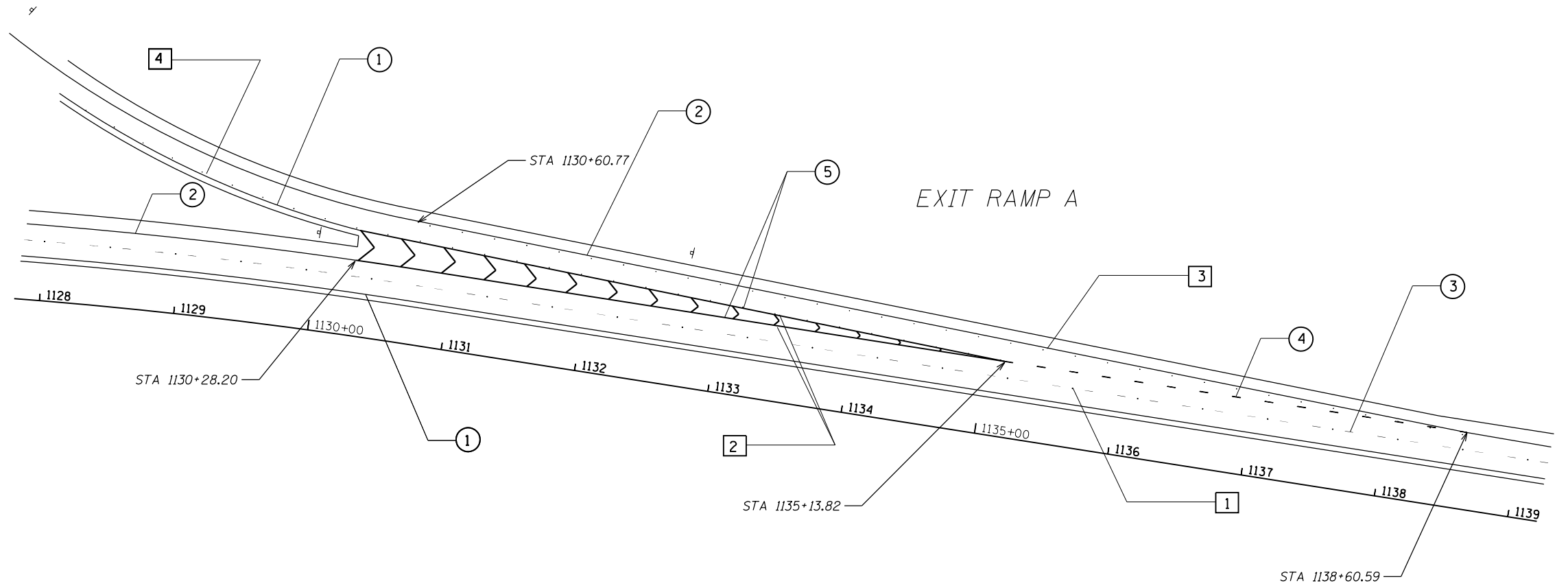
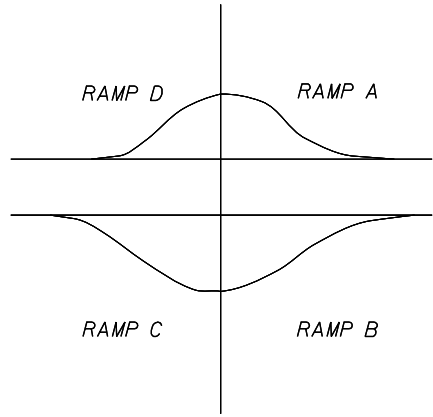
- ① ◁ ONE-WAY CRYSTAL MARKER AT 80' CENTERS
- ② ◁ ONE-WAY CRYSTAL MARKER AT 40' CENTERS
- ③ ◁ ONE-WAY CRYSTAL MARKER AT 20' CENTERS
- ④ ◁ ONE-WAY AMBER MARKER AT 40' CENTERS
- ◁ ONE-WAY CRYSTAL MARKER
- ◁ ONE-WAY AMBER MARKER

DELINEATORS

- DELINEATOR WITH TWO AMBER REFLECTORS
- DELINEATOR WITH THREE AMBER REFLECTORS



GOODFIELD INTERCHANGE



PAVEMENT MARKING LEGEND

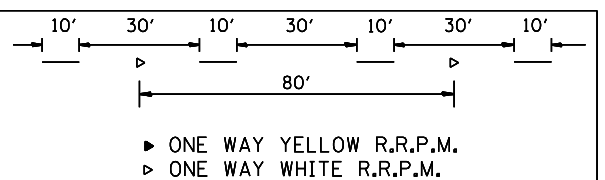
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- ② 4" WHITE
- ③ 6" WHITE SKIP DASH
- ④ 8" WHITE SKIP DASH
- ⑤ 8" WHITE
- ⑥ 12" WHITE
- ⑦ 24' WHITE
- ⑧ LETTERS AND SYMBOLS
- ⑨ 4" WHITE SKIP DASH

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

- ① ◀ ONE-WAY CRYSTAL MARKER AT 80' CENTERS
- ② ◀ ONE-WAY CRYSTAL MARKER AT 40' CENTERS
- ③ ◀ ONE-WAY CRYSTAL MARKER AT 20' CENTERS
- ④ ◀ ONE-WAY AMBER MARKER AT 40' CENTERS
- ◀ ONE-WAY CRYSTAL MARKER
- ◀ ONE-WAY AMBER MARKER

DELINEATORS

- DELINEATOR WITH TWO AMBER REFLECTORS
- DELINEATOR WITH THREE AMBER REFLECTORS



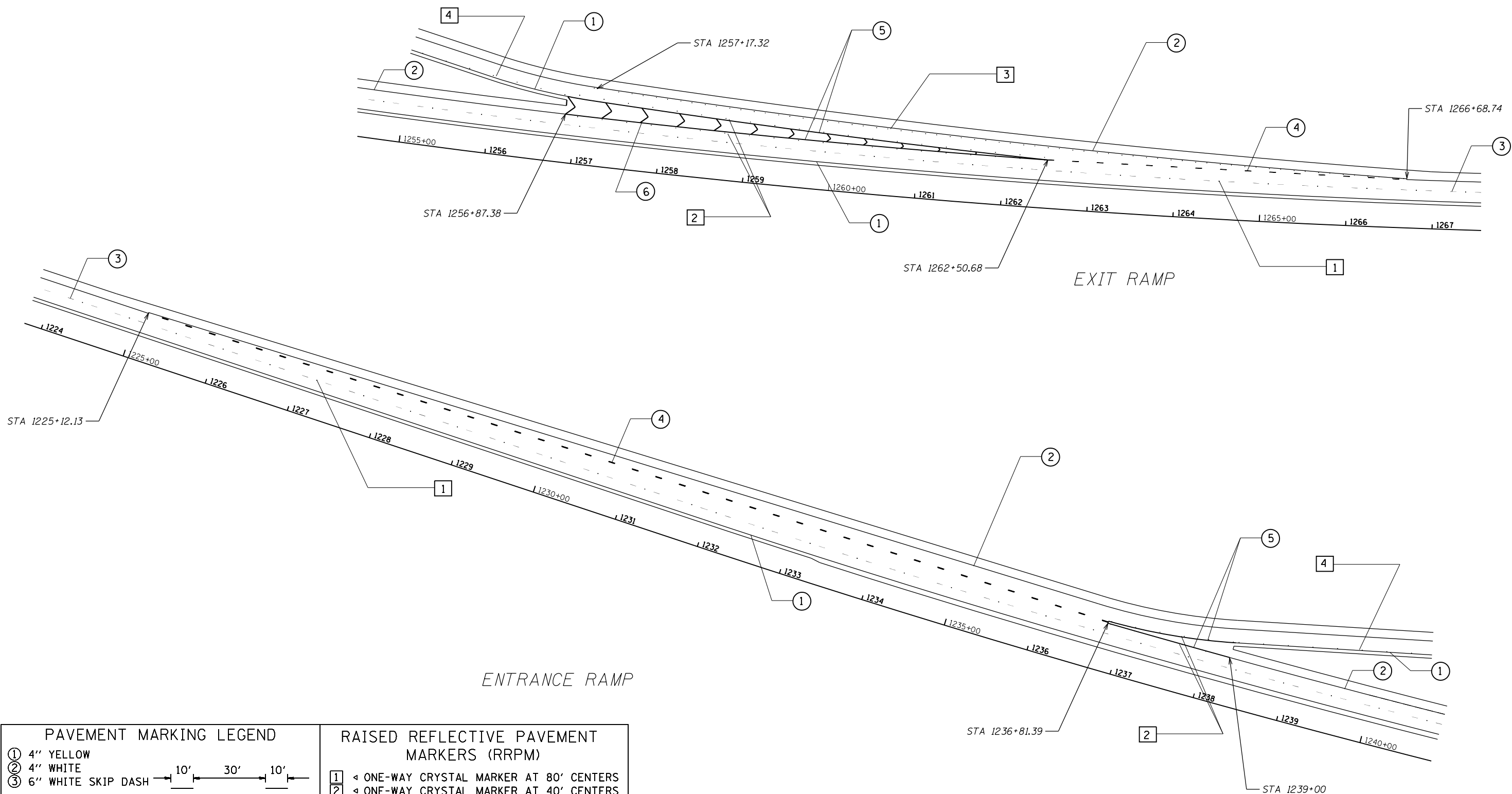
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PAVEMENT MARKINGS
GOODFIELD RAMPS**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17, 90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLELLAN	504	214
FAP 702 (IL 117)	ILLINOIS FED. AID PROJECT		CONTRACT NO. 68A79	



PAVEMENT MARKING LEGEND

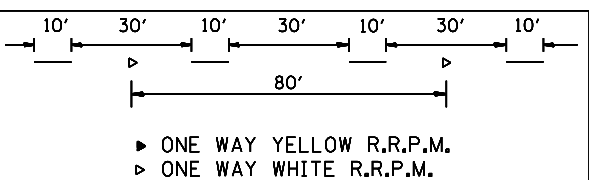
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② 4" WHITE	
③ 6" WHITE SKIP DASH	10' 30' 10'
④ 8" WHITE SKIP DASH	3' 9' 3' 9' 3'
⑤ 8" WHITE	
⑥ 12" WHITE	
⑦ 24" WHITE	
⑧ LETTERS AND SYMBOLS	10' 30' 10'
⑨ 4" WHITE SKIP DASH	10' 30' 10'

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

①	◀ ONE-WAY CRYSTAL MARKER AT 80' CENTERS
②	◀ ONE-WAY CRYSTAL MARKER AT 40' CENTERS
③	◀ ONE-WAY CRYSTAL MARKER AT 20' CENTERS
④	◀ ONE-WAY AMBER MARKER AT 40' CENTERS
	◀ ONE-WAY CRYSTAL MARKER
	◀ ONE-WAY AMBER MARKER

DELINEATORS

■	DELINEATOR WITH TWO AMBER REFLECTORS
■	DELINEATOR WITH THREE AMBER REFLECTORS



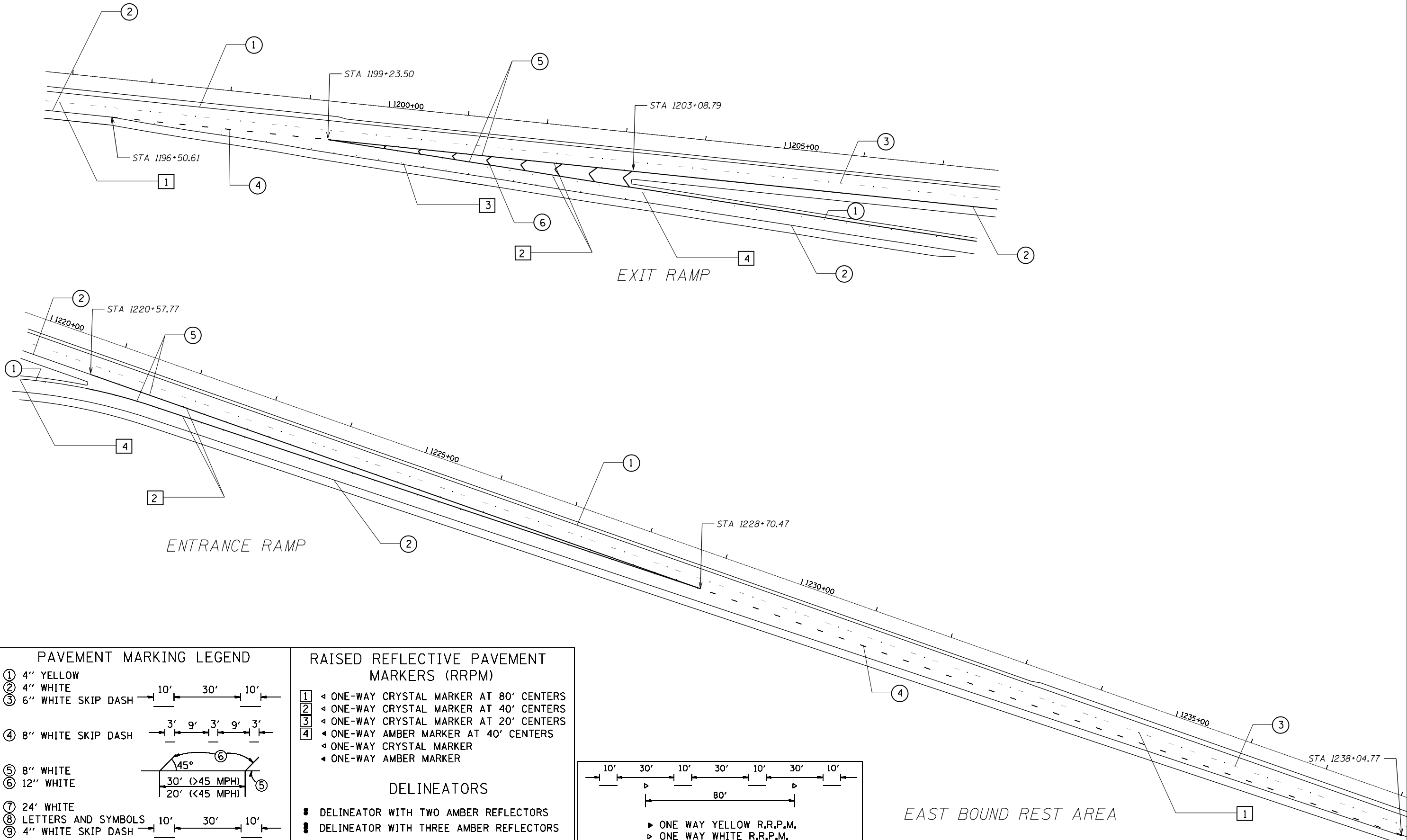
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PAVEMENT MARKINGS
WB REST AREA RAMPS**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17, 90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLEAN	504	215
FAP 702 (IL 117)	ILLINOIS FED. AID PROJECT		CONTRACT NO. 68A79	



PAVEMENT MARKING LEGEND

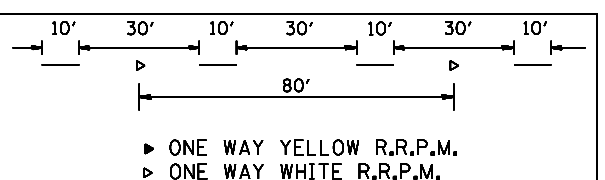
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② 4" WHITE	
③ 6" WHITE SKIP DASH	10' 30' 10'
④ 8" WHITE SKIP DASH	3' 9' 3' 9' 3'
⑤ 8" WHITE	
⑥ 12" WHITE	45° 30' (>45 MPH) 20' (<45 MPH)
⑦ 24" WHITE	
⑧ LETTERS AND SYMBOLS	10' 30' 10'
⑨ 4" WHITE SKIP DASH	10' 30' 10'

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

①	◀ ONE-WAY CRYSTAL MARKER AT 80' CENTERS
②	◀ ONE-WAY CRYSTAL MARKER AT 40' CENTERS
③	◀ ONE-WAY CRYSTAL MARKER AT 20' CENTERS
④	◀ ONE-WAY AMBER MARKER AT 40' CENTERS
	◀ ONE-WAY CRYSTAL MARKER
	◀ ONE-WAY AMBER MARKER

DELINEATORS

■	DELINEATOR WITH TWO AMBER REFLECTORS
■	DELINEATOR WITH THREE AMBER REFLECTORS



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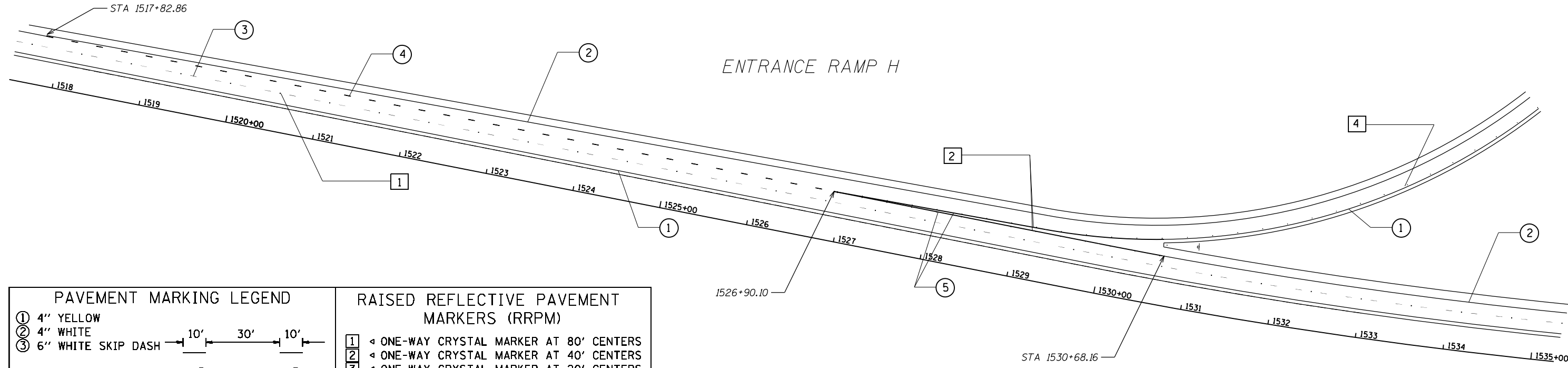
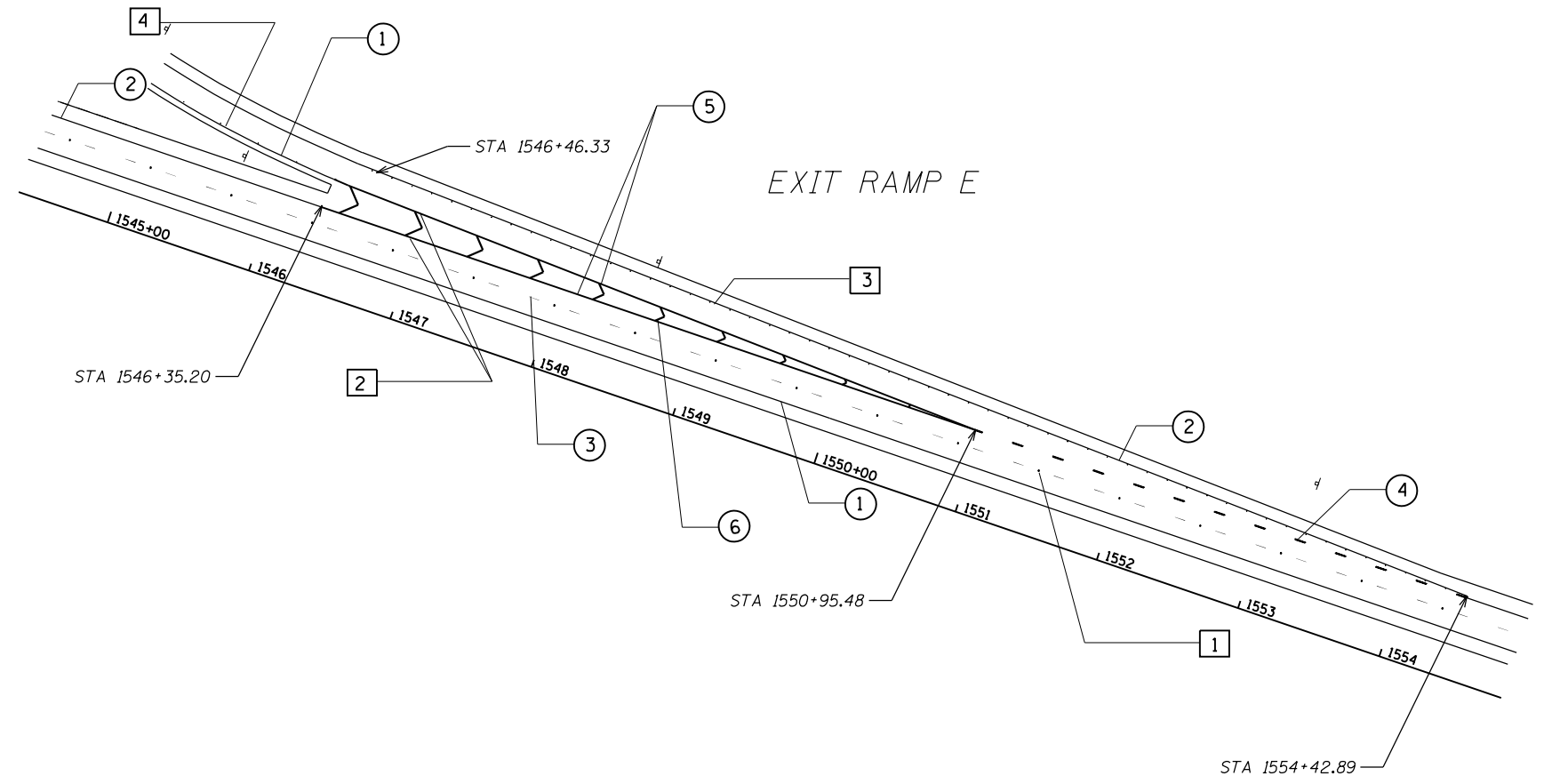
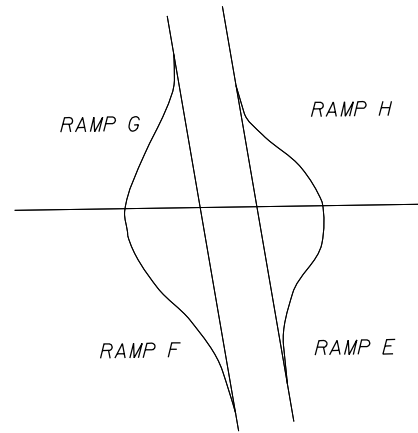
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PAVEMENT MARKINGS
EB REST AREA**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17, 90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLELLAN	504	216
FAP 702 (IL 117)	ILLINOIS FED. AID PROJECT		CONTRACT NO. 68A79	

CARLOCK INTERCHANGE



PAVEMENT MARKING LEGEND

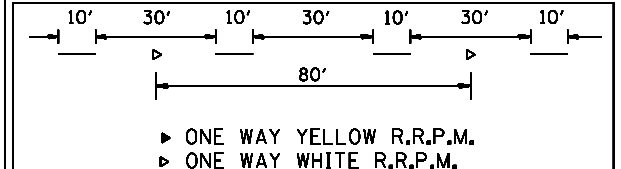
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- ② 4" WHITE
- ③ 6" WHITE SKIP DASH
- ④ 8" WHITE SKIP DASH
- ⑤ 8" WHITE
- ⑥ 12" WHITE
- ⑦ 24" WHITE
- ⑧ LETTERS AND SYMBOLS
- ⑨ 4" WHITE SKIP DASH

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

- ① ◀ ONE-WAY CRYSTAL MARKER AT 80' CENTERS
- ② ◀ ONE-WAY CRYSTAL MARKER AT 40' CENTERS
- ③ ◀ ONE-WAY CRYSTAL MARKER AT 20' CENTERS
- ④ ◀ ONE-WAY AMBER MARKER AT 40' CENTERS
- ◀ ONE-WAY CRYSTAL MARKER
- ◀ ONE-WAY AMBER MARKER

DELINEATORS

- DELINEATOR WITH TWO AMBER REFLECTORS
- DELINEATOR WITH THREE AMBER REFLECTORS



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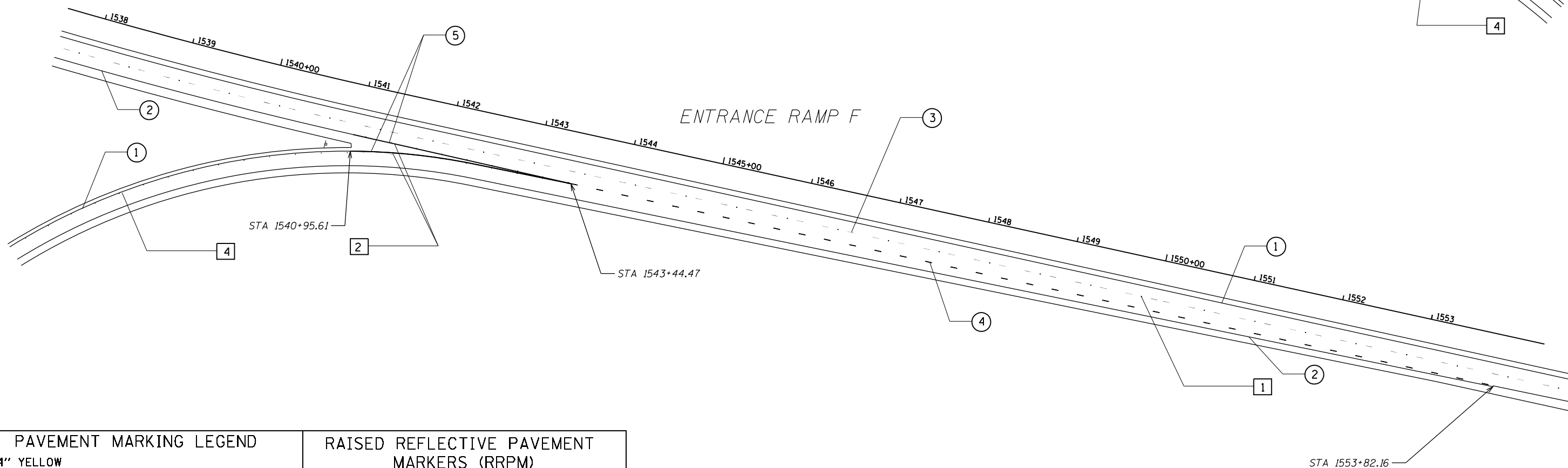
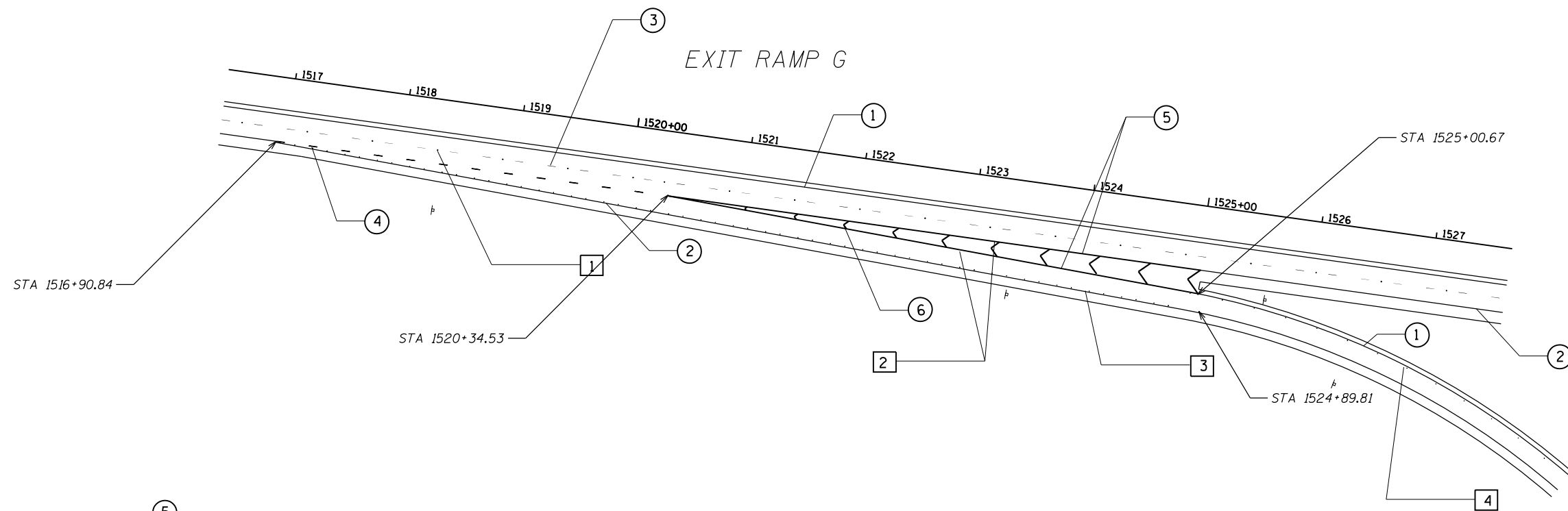
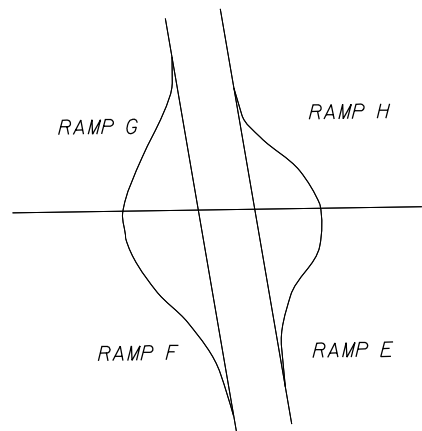
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PAVEMENT MARKINGS
CARLOCK RAMPS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE. 74	SECTION (X3-16, 17, 90-15)RS-5; (57-17)RS-4	COUNTY TAZEWELL/WOODFORD/MCCLELLAN	TOTAL SHEETS 504	SHEET NO. 217
FAP 702 (IL 117)	CONTRACT NO. 68A79			
ILLINOIS FED. AID PROJECT				

CARLOCK INTERCHANGE



PAVEMENT MARKING LEGEND

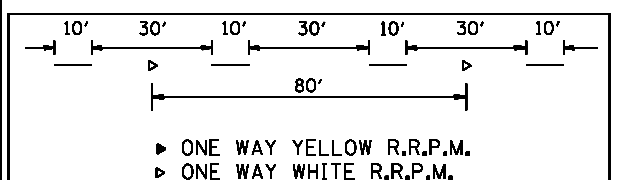
① 4" YELLOW	
② 4" WHITE	
③ 6" WHITE SKIP DASH	
④ 8" WHITE SKIP DASH	
⑤ 8" WHITE	
⑥ 12" WHITE	
⑦ 24" WHITE	
⑧ LETTERS AND SYMBOLS	
⑨ 4" WHITE SKIP DASH	

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

①	◀ ONE-WAY CRYSTAL MARKER AT 80' CENTERS
②	◀ ONE-WAY CRYSTAL MARKER AT 40' CENTERS
③	◀ ONE-WAY CRYSTAL MARKER AT 20' CENTERS
④	◀ ONE-WAY AMBER MARKER AT 40' CENTERS
	◀ ONE-WAY CRYSTAL MARKER
	◀ ONE-WAY AMBER MARKER

DELINEATORS

■	DELINEATOR WITH TWO AMBER REFLECTORS
■	DELINEATOR WITH THREE AMBER REFLECTORS



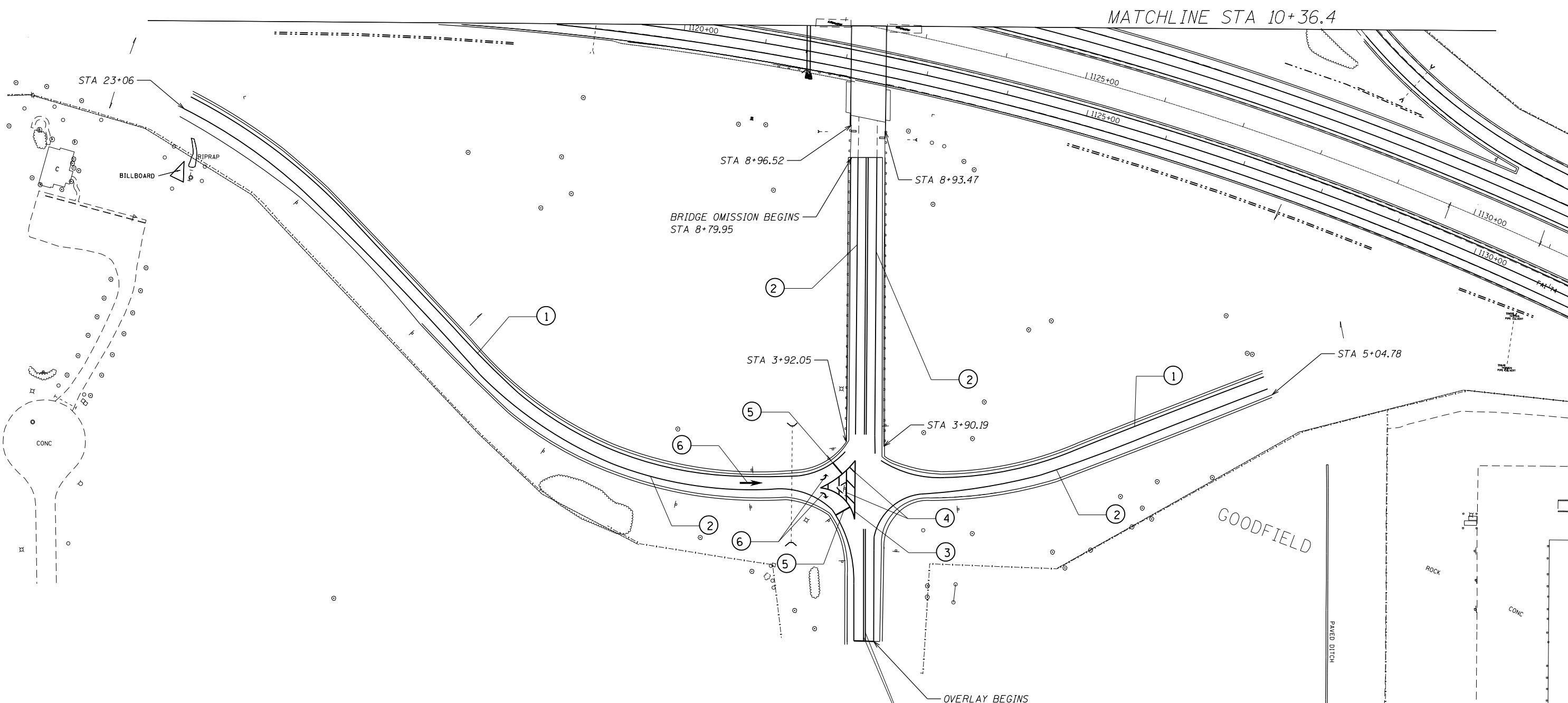
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Default	PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PAVEMENT MARKINGS
CARLOCK RAMPS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17, 90-15)RS-5; (57-17)RS-4	TAZEWELL/MOOREFORD/MCCLELLAN	504	218
FAP 702 (IL 117)	ILLINOIS FED. AID PROJECT		CONTRACT NO. 68A79	



PAVEMENT MARKING LEGEND	
①	4" YELLOW
②	4" WHITE
③	8" WHITE
④	12" WHITE
⑤	24' WHITE
⑥	LETTERS AND SYMBOLS
⑦	4" DOUBLE YELLOW



NOT TO SCALE

FILE NAME =	USER NAME = gavinaj	DESIGNED -	REVISED -
pw\11084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 4\Projects\04-58\BROWND\Design\pavement markings.dgn		REVISION	REVISED -
Default	PLOT SCALE = 80.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

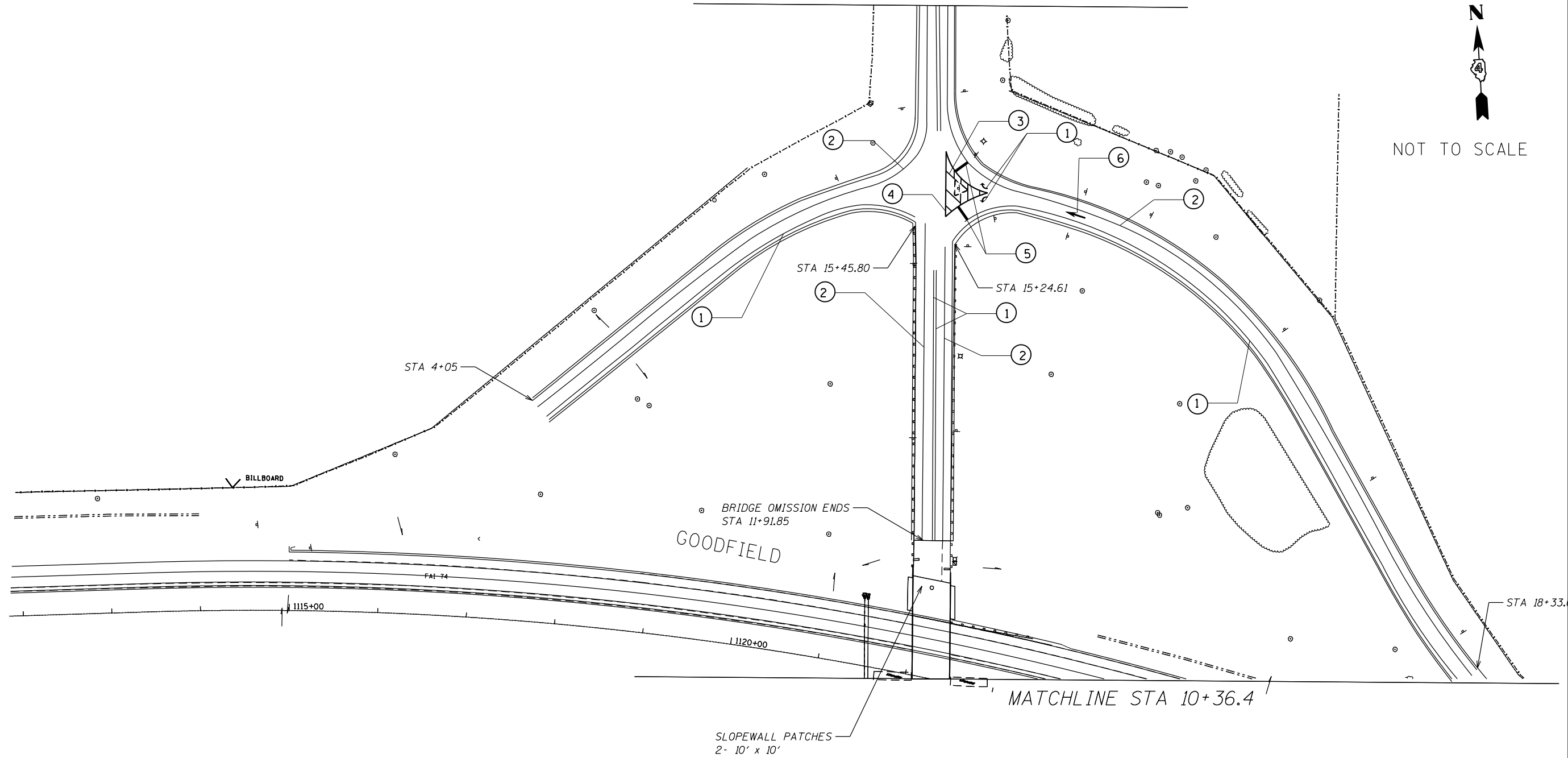
PROPOSED PAVEMENT MARKINGS GOODFIELD RAMPS AND IL 117			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17, 90-15)RS-5; (57-17)RS-4	TAZEWELL/GOODFORD/ MCCLEAN	504	219
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

MATCHLINE STA 17+94.33



NOT TO SCALE



PAVEMENT MARKING LEGEND	
①	4" YELLOW
②	4" WHITE
③	8" WHITE
④	12" WHITE
⑤	24' WHITE
⑥	LETTERS AND SYMBOLS
⑦	4" DOUBLE YELLOW

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

**PROPOSED PAVEMENT MARKINGS
GOODFIELD RAMPS AND IL 117**

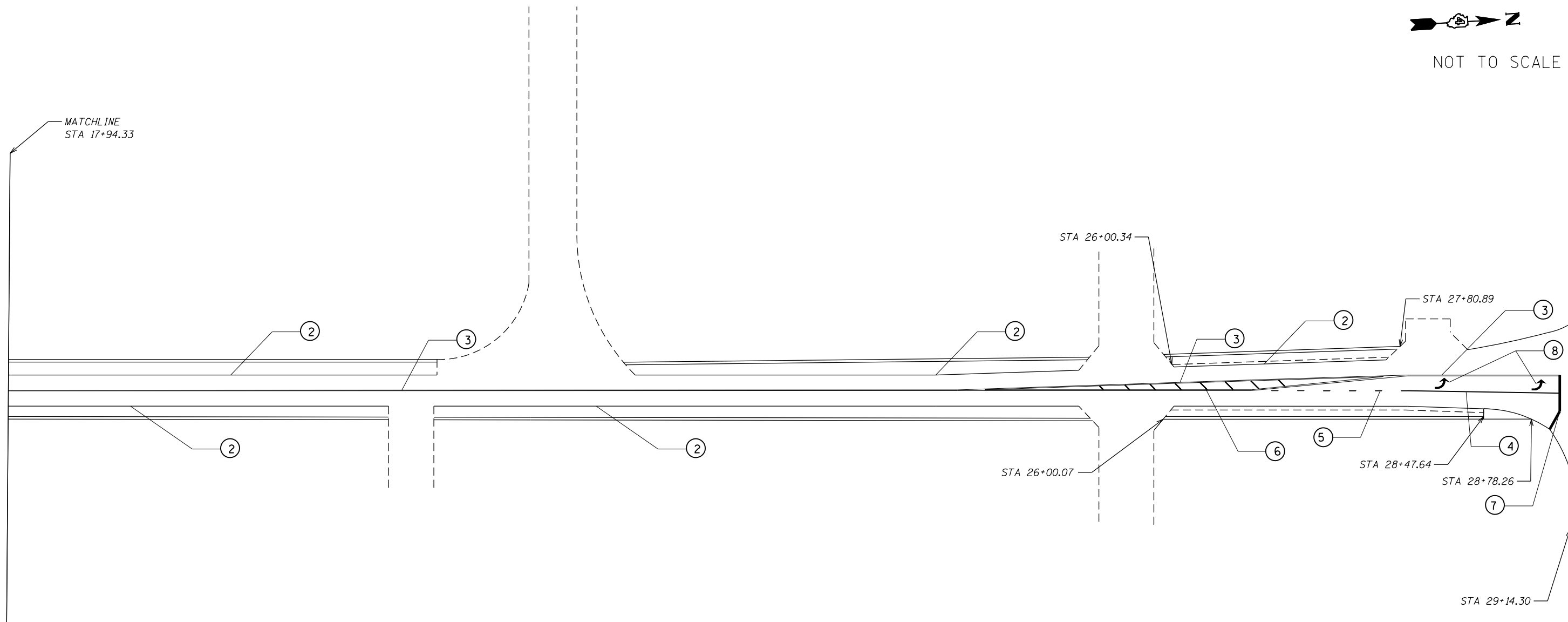
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17, 90-15)RS-5; (57-17)RS-4	TAZEWELL/GOODFORD/ MCCLELLAN	504	220
FAP 702 (IL 117)			CONTRACT NO. 68A79	
		ILLINOIS FED. AID PROJECT		



NOT TO SCALE

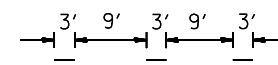
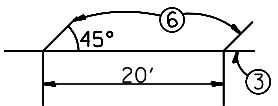
MATCHLINE
STA 17+94.33



 SHOULDER REMOVAL

PAVEMENT MARKING LEGEND

- ① 4" YELLOW
- ② 4" WHITE
- ③ 4" DOUBLE YELLOW
- ④ 8" WHITE
- ⑤ 8" WHITE SKIP DASH
- ⑥ 12" WHITE
- ⑦ 24' WHITE
- ⑧ LETTERS AND SYMBOLS

FILE NAME =	USER NAME = gavinaj	DESIGNED -	REVISED -
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Default	PLOT SCALE = 80.0000' / in.	CHECKED -	REVISOR =
	PLOT DATE = 2/5/2018	DATE -	REVISOR =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

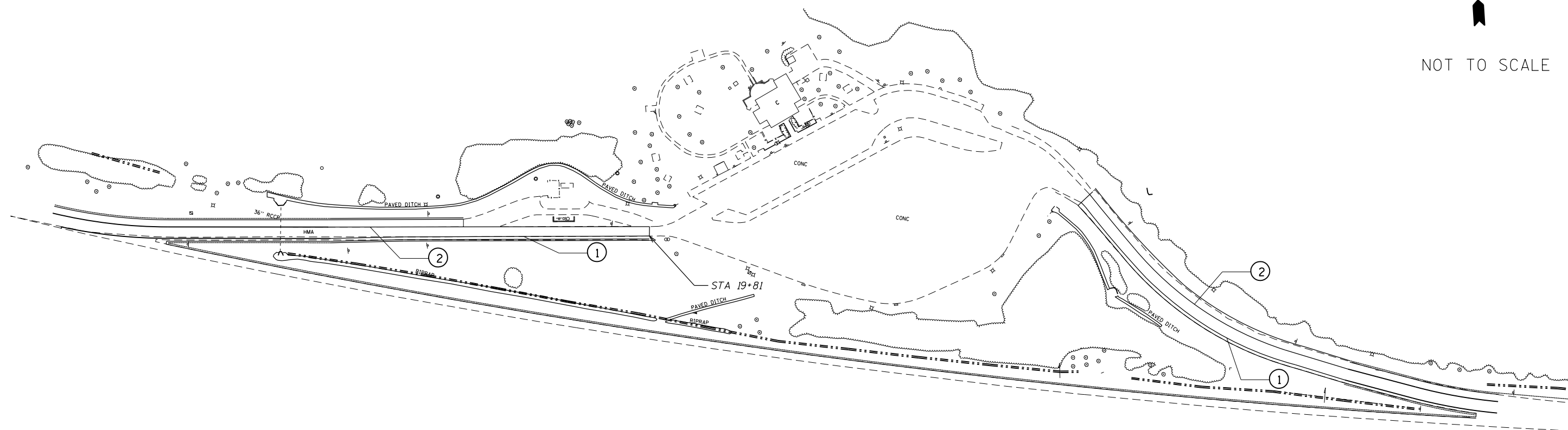
**PROPOSED PAVEMENT MARKINGS
IL 117**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17, 90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/ MCCLEAN	504	221
FAP 702 (IL 117)	ILLINOIS FED. AID PROJECT		CONTRACT NO. 68A79	



NOT TO SCALE



PAVEMENT MARKING LEGEND	
①	4" YELLOW
②	4" WHITE
③	8" WHITE
④	12" WHITE
⑤	24' WHITE
⑥	LETTERS AND SYMBOLS
⑦	4" DOUBLE YELLOW

FILE NAME =	USER NAME = gavinaj	DESIGNED -	REVISED -
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Default	PLOT SCALE = 80.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

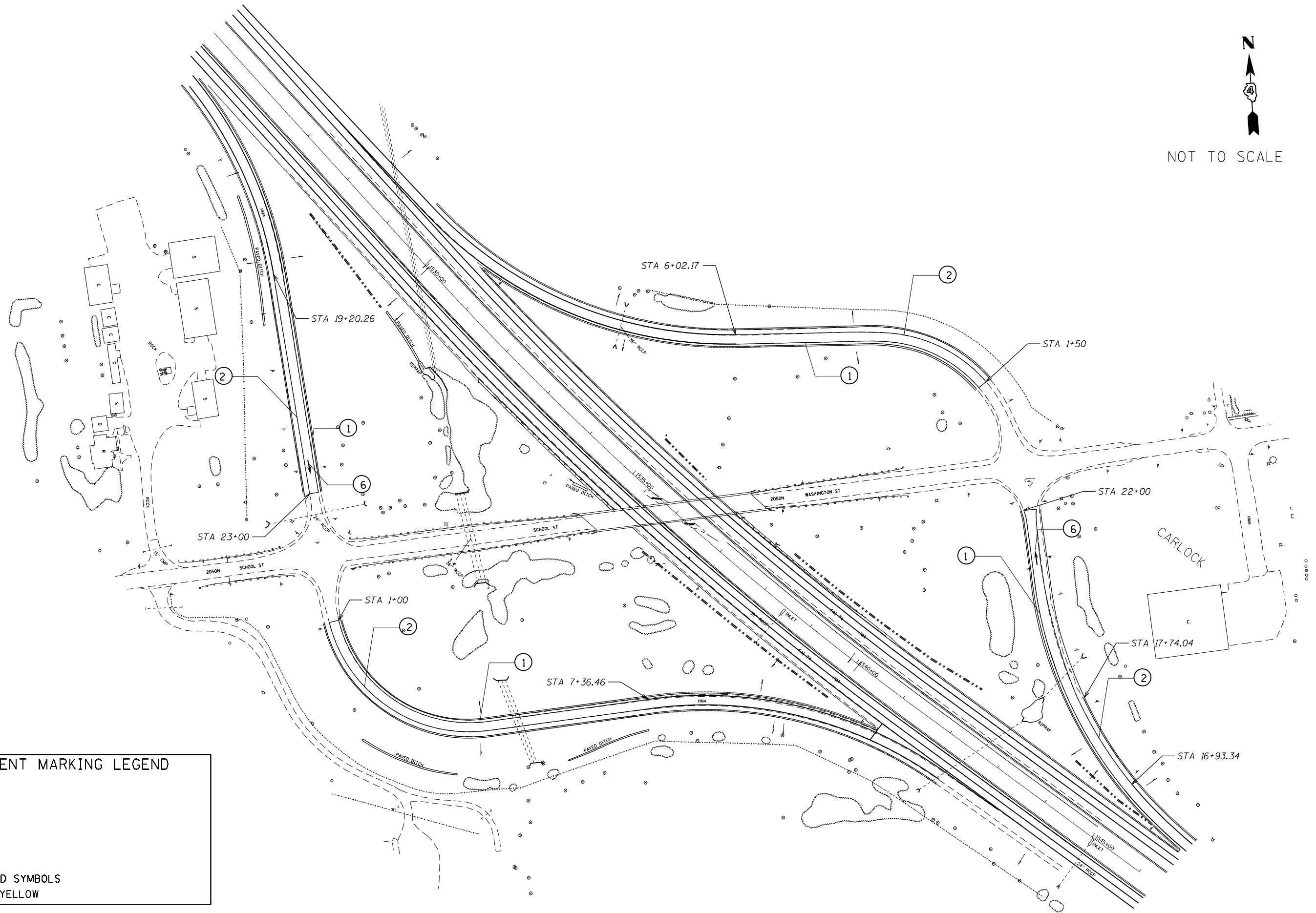
**PROPOSED PAVEMENT MARKINGS
WB REST AREA RAMP**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17, 90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/ MCCLEAN	504	222
FAP 702 (IL 117)	ILLINOIS FED. AID PROJECT		CONTRACT NO. 68A79	

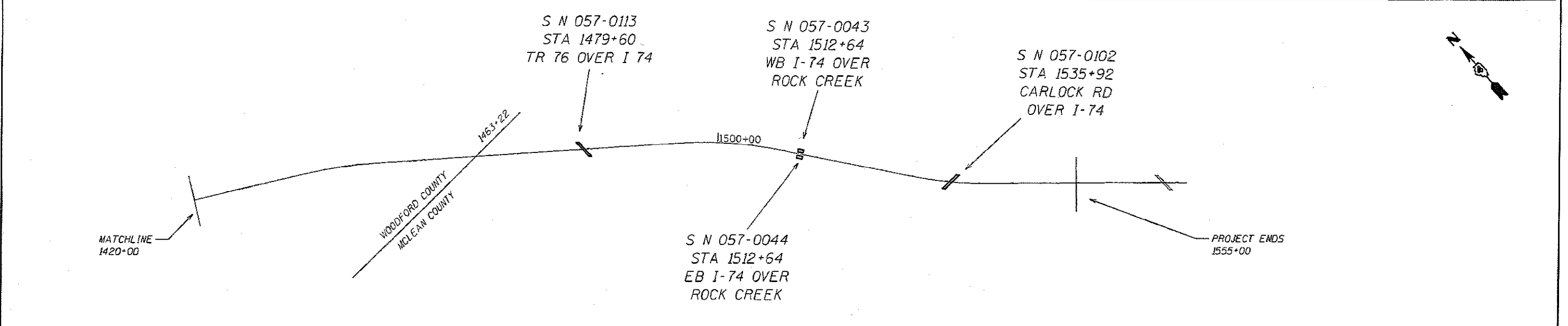
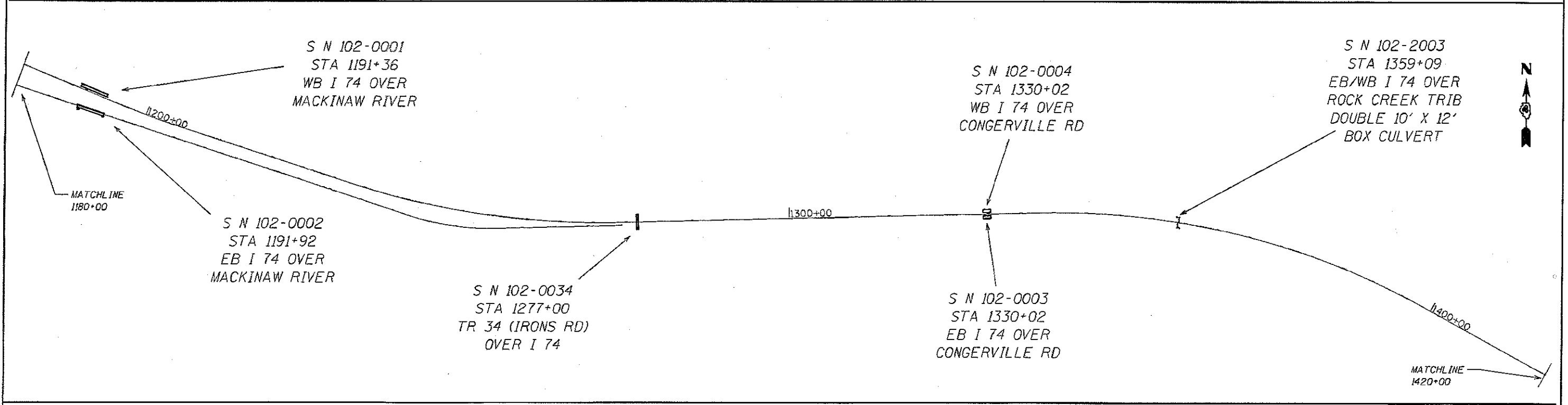
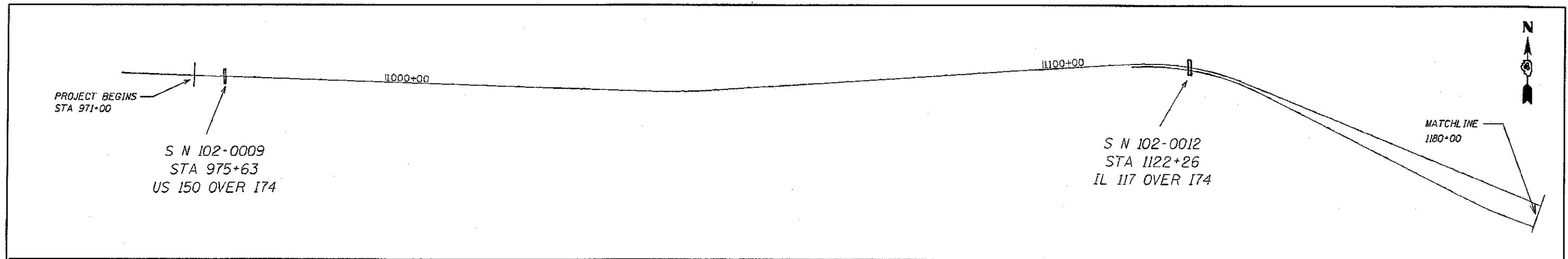


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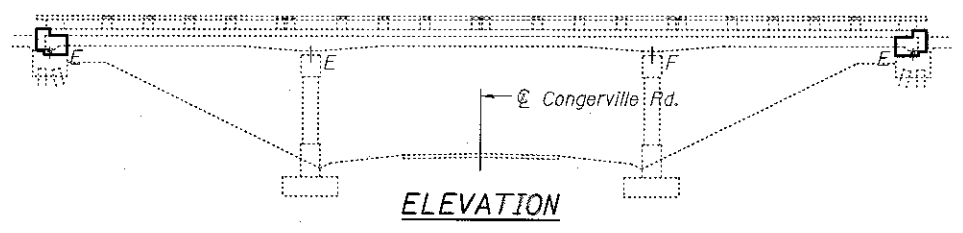


PAVEMENT MARKING LEGEND	
①	4" YELLOW
②	4" WHITE
③	8" WHITE
④	12" WHITE
⑤	24" WHITE
⑥	LETTERS AND SYMBOLS
⑦	4" DOUBLE YELLOW

FILE NAME =	USER NAME = gavinaj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED PAVEMENT MARKINGS CARLOCK RAMPS				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 4\Projects\04-580\Drawings\Design\pavement markings.dgn		CHECKED -	REVISED -		74	(X3-16, 17, 90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/ MCCLELLAN	504	223				
Default	PLOT SCALE = 80.0000' / in.	DATE -	REVISED -		FAP 702				CONTRACT NO. 68A79				
	PLOT DATE = 2/5/2018		REVISED -		(IL 117)				ILLINOIS FED. AID PROJECT				

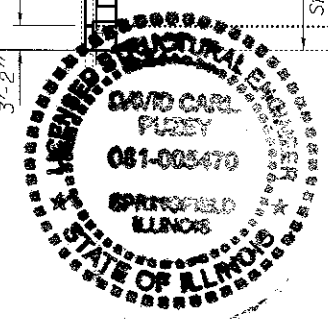
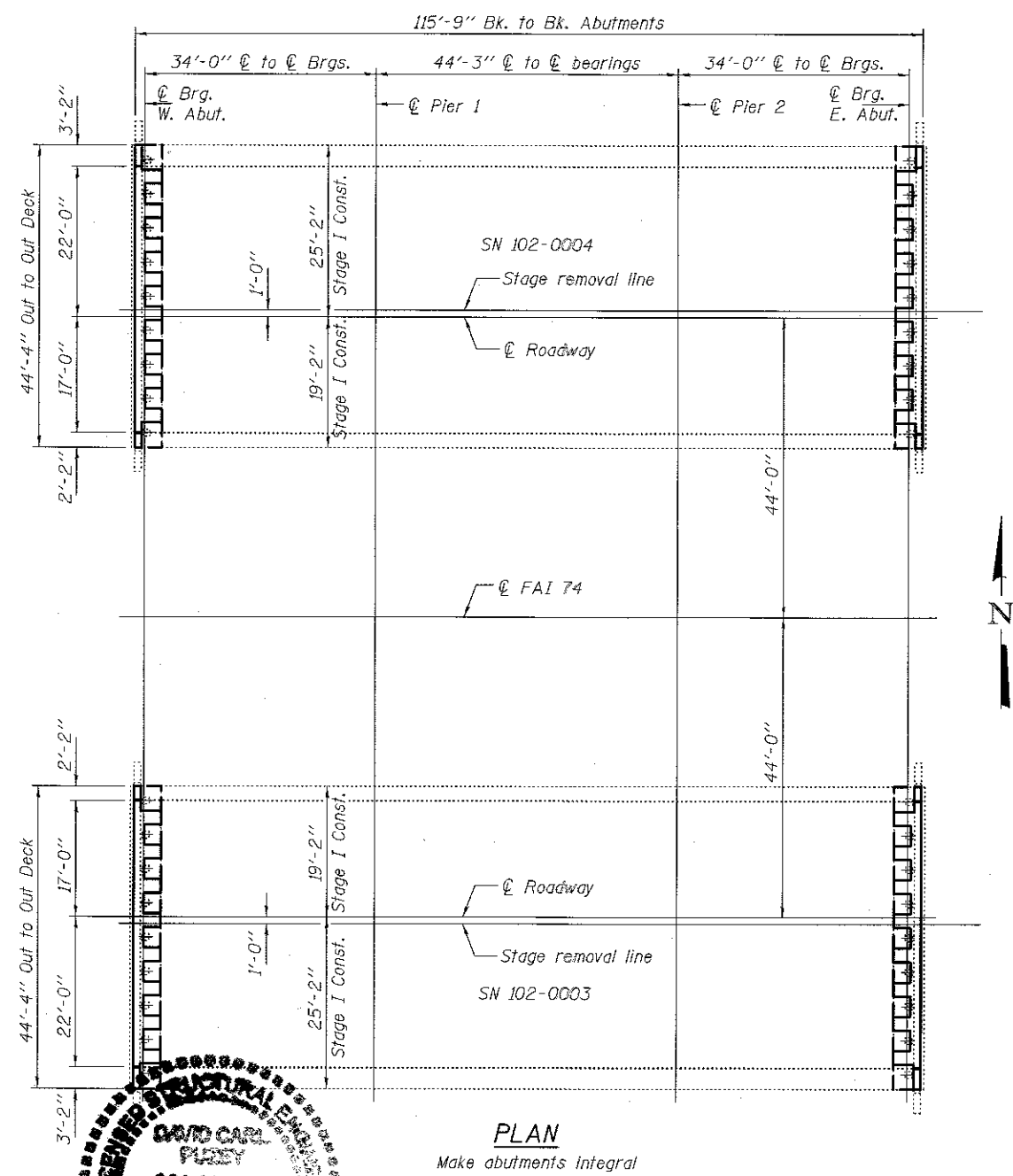


FILE NAME =	USER NAME = jacobsmr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURE LINE DIAGRAM			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
g:\1128488\INTEG\illinois.gov\WCDT\Documents\DOT Offices\District 4\Projects\04_8\DRAWING\DATA\CH02\struc\structure_line.dwg	PROJECT NO. = 1500.000	CHECKED -	REVISED -					74	IX-16,17,18-19,19S-21,157-171RS-4	TAZ/WOOD/MCLN	504	224
PLOT SCALE = 1/8" = 100'	PLOT DATE = 3/21/2018	DATE -	REVISED -					FAP 702	CONTRACT NO. 68A79			
Default								REL 117)	ILLINOIS FED. AID PROJECT			



GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
 The new deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.
 Existing caps shall be cleaned of all loose concrete and debris prior to placement of new concrete.



TOTAL BILL OF MATERIAL

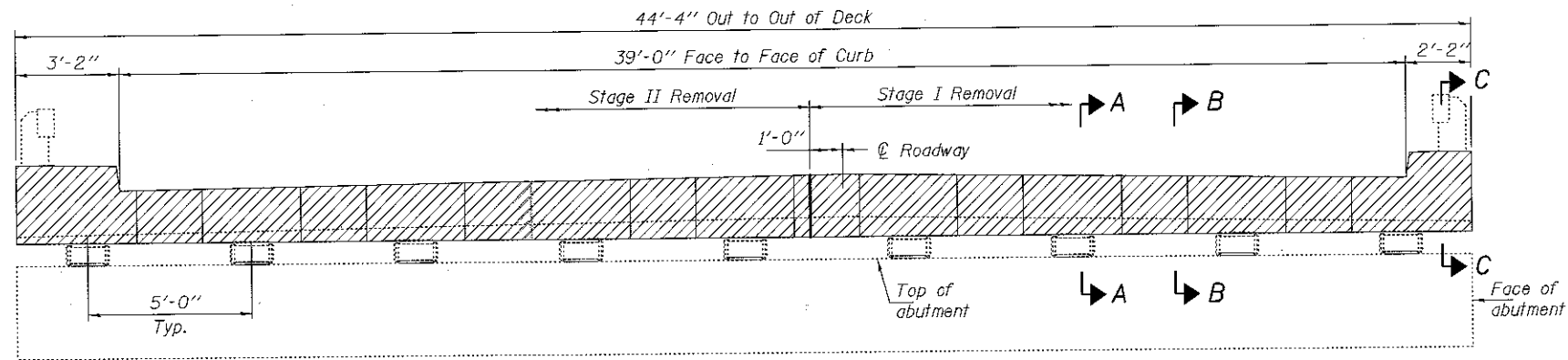
ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	24.0
Concrete Superstructure	Cu. Yd.	42.4
Reinforcement Bars, Epoxy Coated	Pound	3000
Bar Splicers	Each	32

DESIGNED: Ryan Neganzand
 CHECKED: M. J. ...
 DRAWN: baliva
 CHECKED: MLD RPN
 EXAMINED: T. A. ...
 PASSED: ...
 DATE: MARCH 21, 2018
 ENGINEER OF STRUCTURAL SERVICES
 ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION
 FAI 74 OVER CONGERVILLE RD
 SN 102-0003 & 0004
 SHEET NO. 1 OF 4 SHEETS

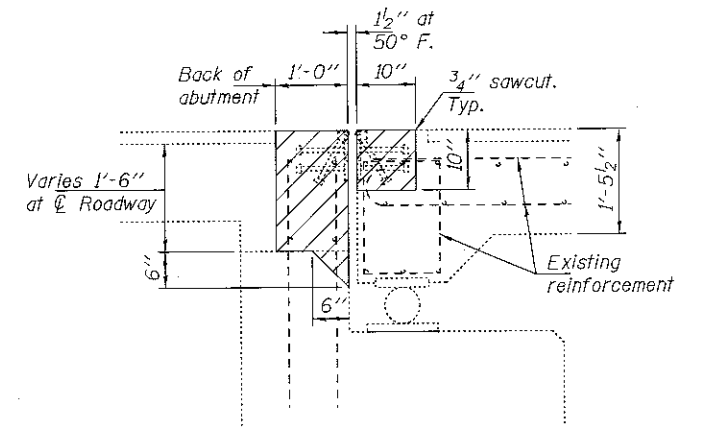
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	0X3-16,17,90-151RS-5; 157-171RS-4	WOODFORD	504	225
CONTRACT NO. 68A79				ILLINOIS FED. AID PROJECT



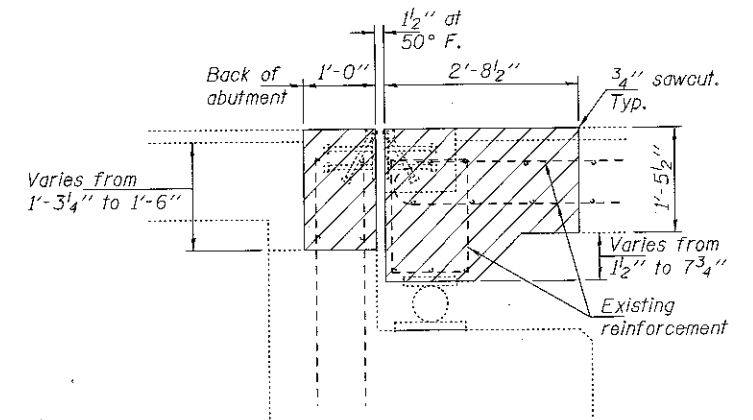
EXISTING CROSS SECTION

(SN 102-0003 West Abutment looking West
 East Abutment similar by rotation)
 (SN 102-0004 East Abutment looking East
 West Abutment similar by rotation)

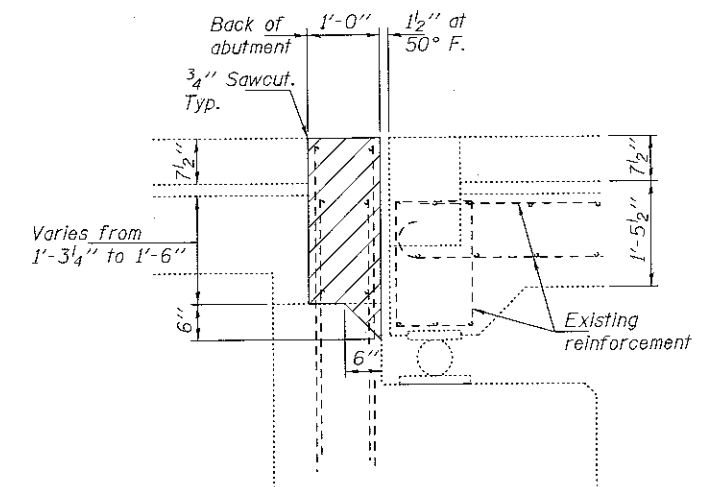
Hatched areas indicate concrete removal.
 Removal of existing expansion joint is
 included with Concrete Removal.



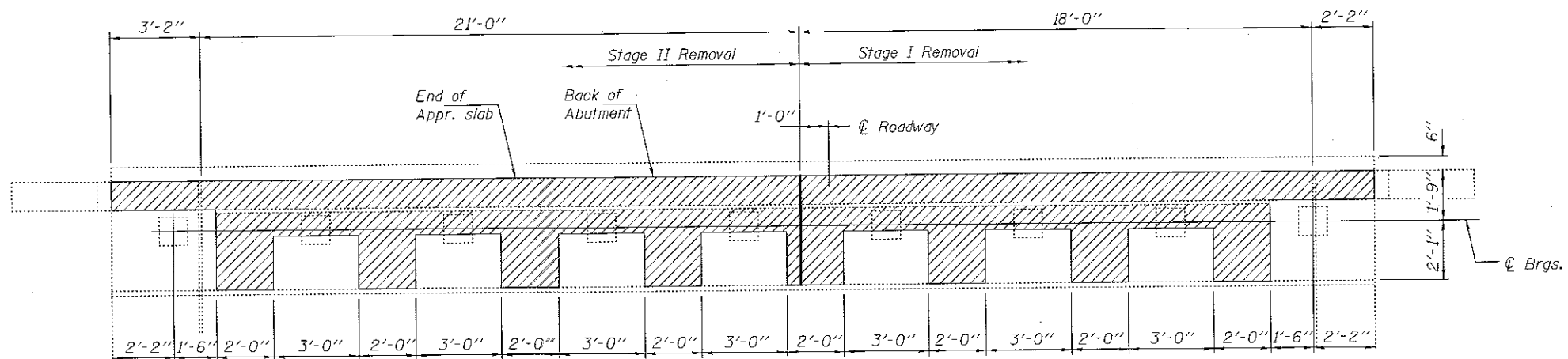
SECTION A-A



SECTION B-B



SECTION C-C



EXISTING PLAN

BILL OF MATERIAL

Item	Unit	Quantity
Concrete Removal	Cu. Yd.	24.0

DESIGNED RPN RPN
 CHECKED MLD
 DRAWN balva
 CHECKED RPN MLD

EXAMINED *Timothy A. Adelt*
 ENGINEER OF STRUCTURAL SERVICES
 PASSED *Carl Perry*
 ENGINEER OF BRIDGES AND STRUCTURES

DATE MARCH 21, 2018
 REVISED
 REVISED

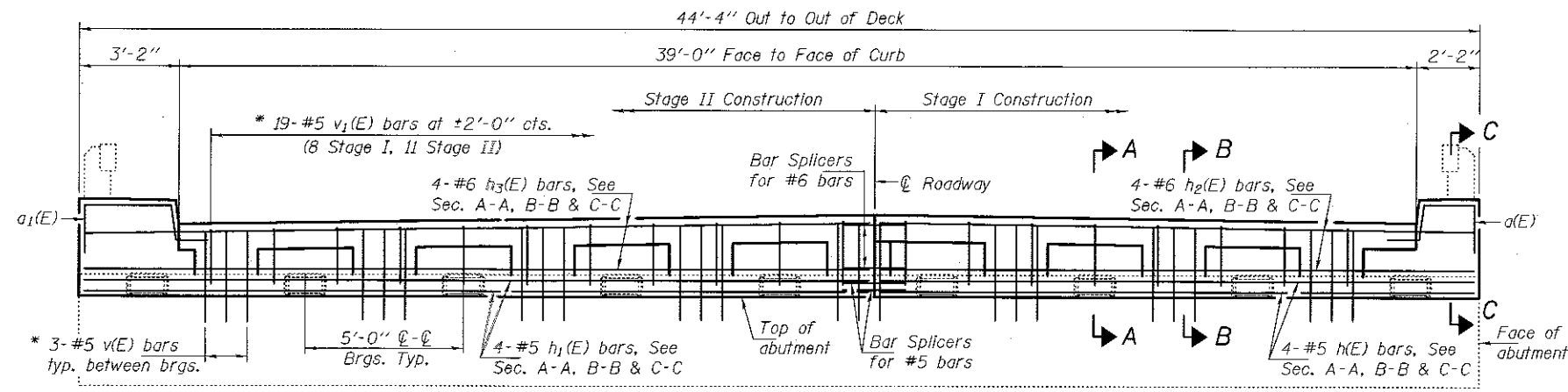
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

REMOVAL DETAILS
 SN 102-0003 & 0004

SHEET NO. 2 OF 4 SHEETS

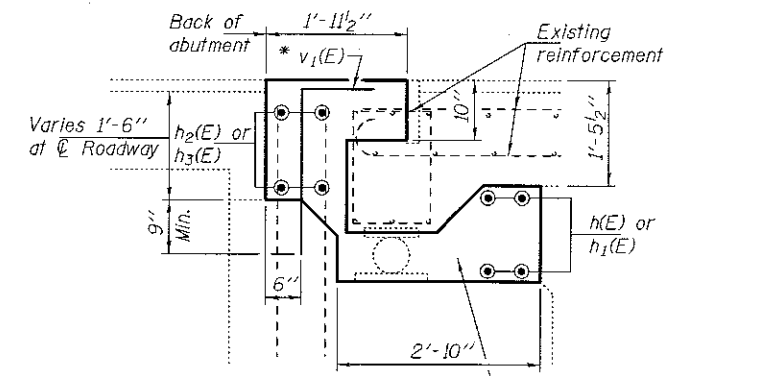
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	0X3-16,17,90-15RS-5; 157-17RS-4	WOODFORD	504	226

CONTRACT NO. 68A79
 ILLINOIS FED. AID PROJECT

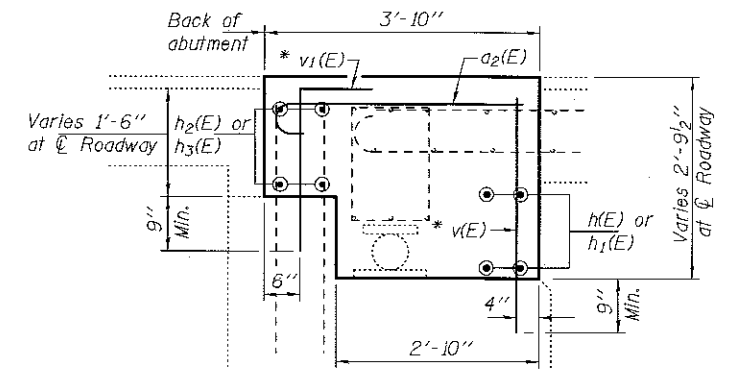


EXISTING CROSS SECTION

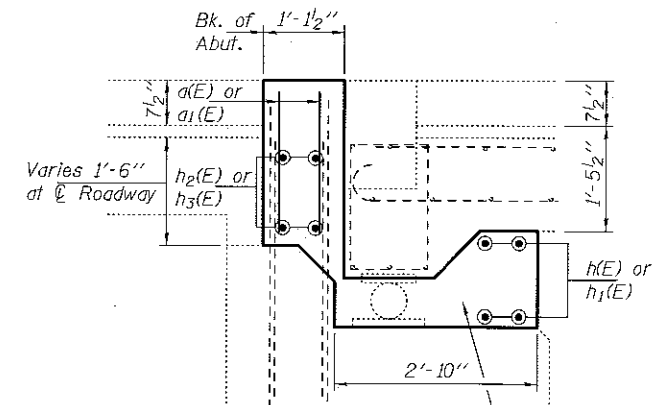
(SN 102-0003 West Abutment looking West
East Abutment similar by rotation)
(SN 102-0004 East Abutment looking East
West Abutment similar by rotation)



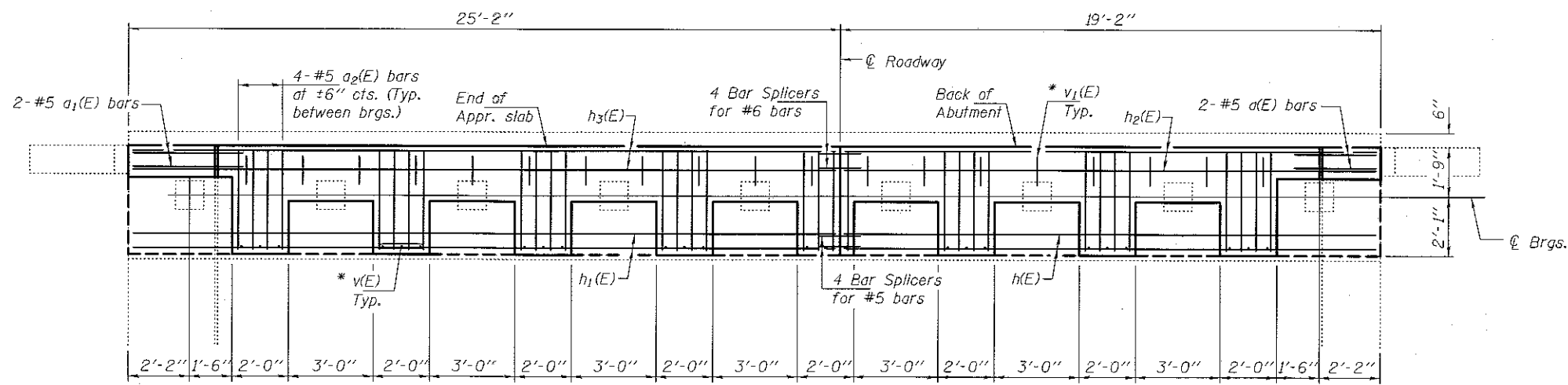
SECTION A-A



SECTION B-B



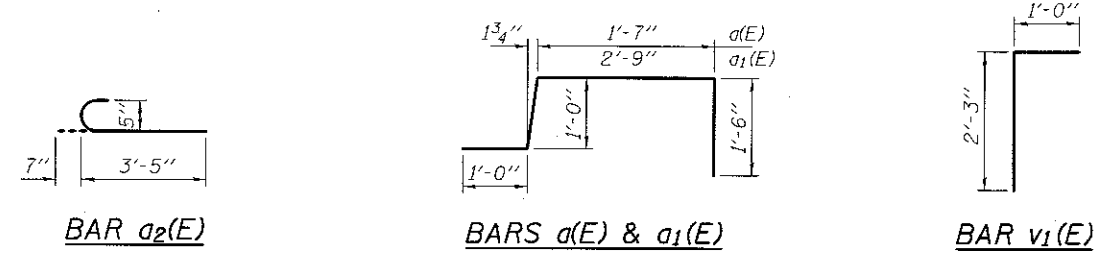
SECTION C-C



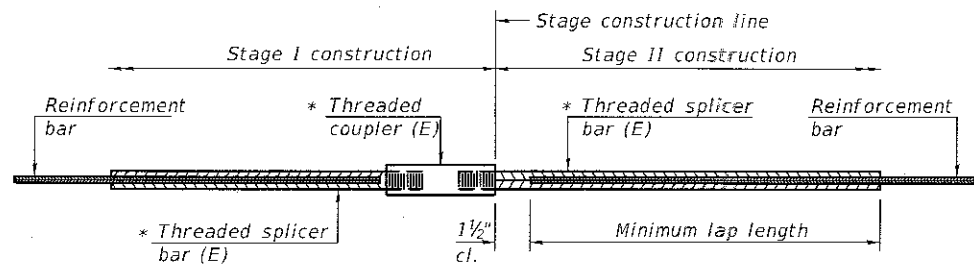
PROPOSED PLAN

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
a(E)	8	#5	5'-2"	┌	
a1(E)	8	#5	6'-4"	┌	
a2(E)	128	#5	4'-0"	┌	
h(E)	16	#5	18'-10"	—	
h1(E)	16	#5	24'-10"	—	
h2(E)	16	#6	18'-10"	—	
h3(E)	16	#6	24'-10"	—	
v(E)	96	#5	3'-3"	—	
v1(E)	76	#5	3'-3"	┌	
Concrete Superstructure				Cu. Yd.	42.4
Reinforcement Bars, Epoxy Coated				Lbs.	3000



* Epoxy grout v(E) & v1(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

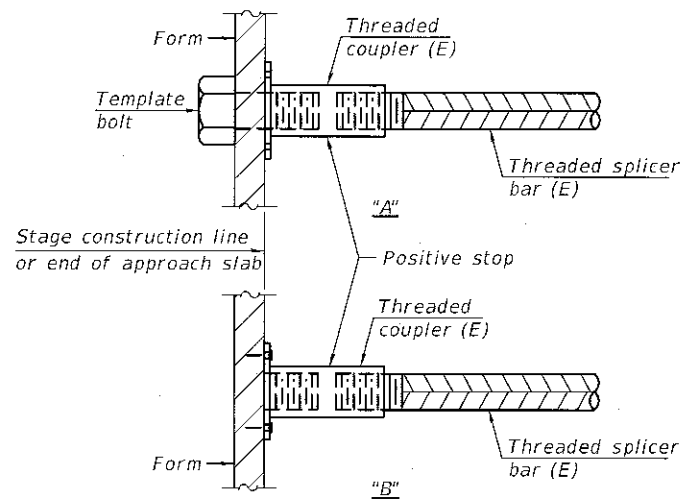
* Epoxy not required on Bar Splicer. Assembly components used in conjunction with black bars.

SN 102-0003

Location	Bar size	No. assemblies required	Minimum lap length
West Abutment	#6	4	4'-0"
West Abutment	#5	4	3'-4"
East Abutment	#6	4	4'-0"
East Abutment	#5	4	3'-4"

SN 102-0004

Location	Bar size	No. assemblies required	Minimum lap length
West Abutment	#6	4	4'-0"
West Abutment	#5	4	3'-4"
East Abutment	#6	4	4'-0"
East Abutment	#5	4	3'-4"

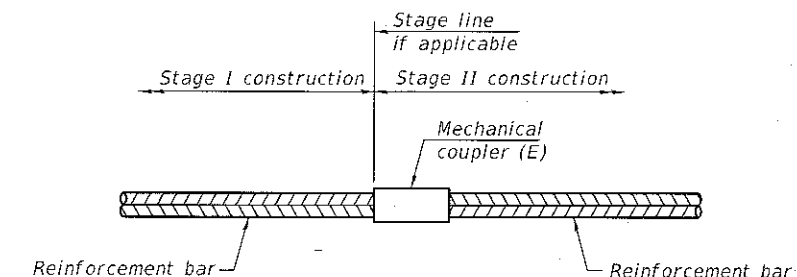


INSTALLATION AND SETTING METHODS

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

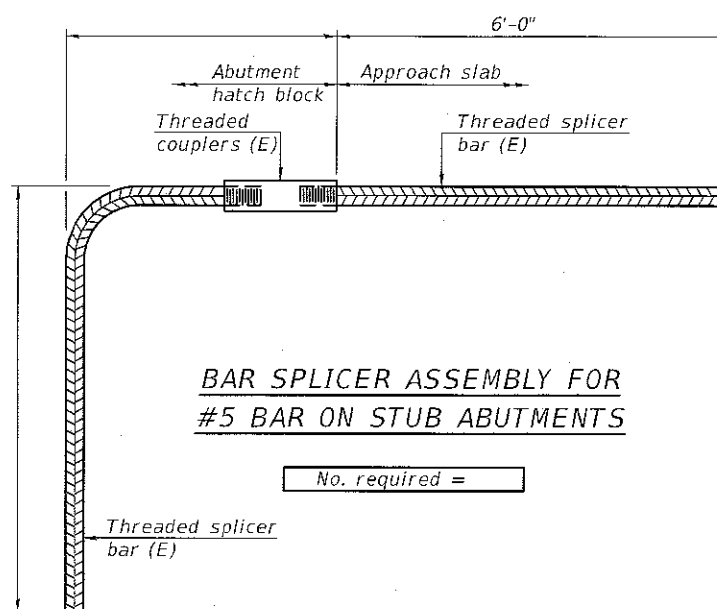
"B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E): Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars. Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications. See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

2-17-2017

DESIGNED RPN RPN	EXAMINED <i>Timothy A. ...</i>	DATE MARCH 21, 2018
CHECKED MLD	PASSED <i>Carl ...</i>	REVISOR
DRAWN baliva	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR
CHECKED RPN MLD		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
SN 102-0003 & 0004

SHEET NO. 4 OF 4 SHEETS

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	0X3-16,17;90-15/RS-5; (57-17)RS-4	WOODFORD	504	228
CONTRACT NO. 68A79			ILLINOIS FED. AID PROJECT	

GENERAL NOTES

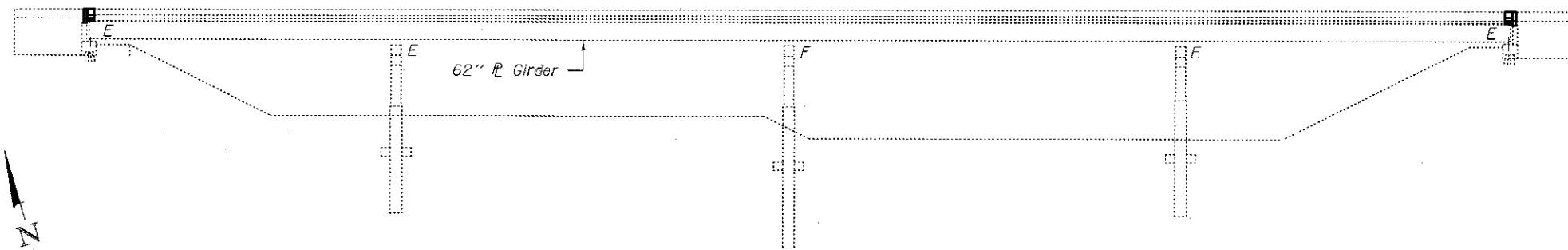
All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work. Reinforcement bars designated (E) shall be epoxy coated.

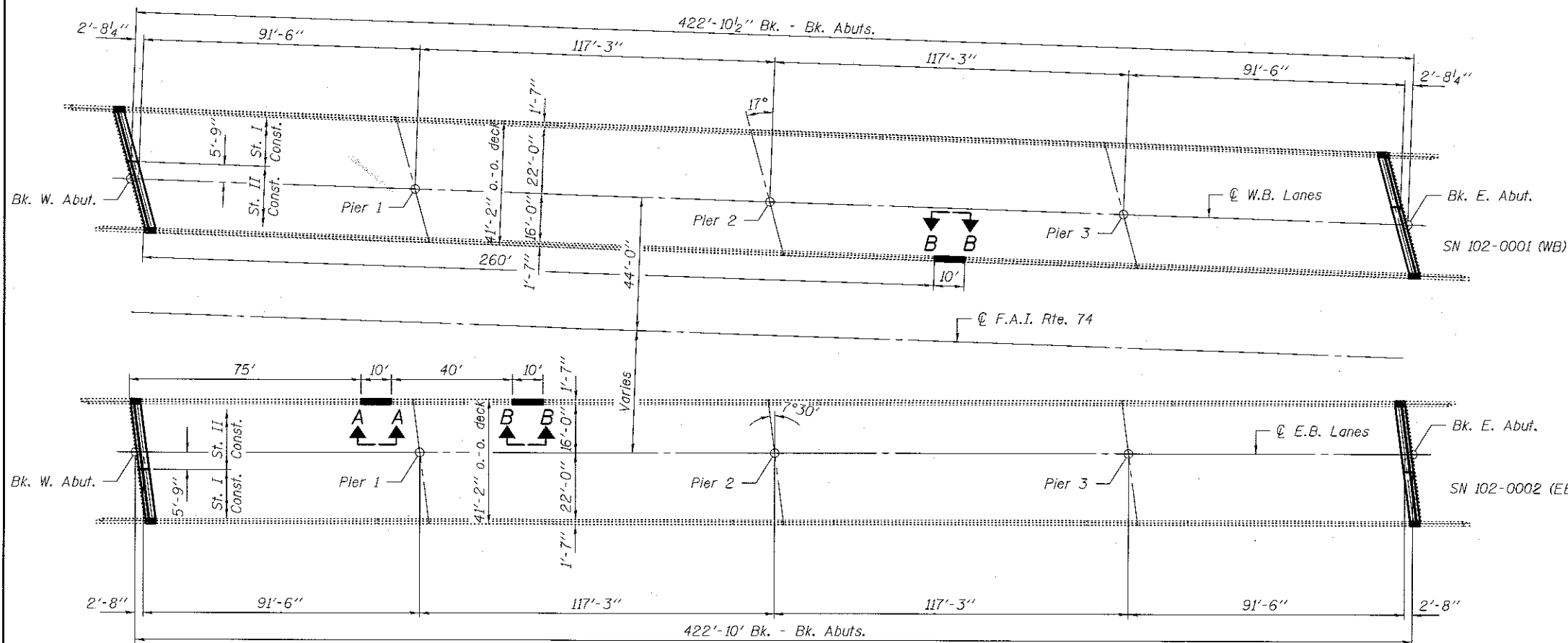
Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.

The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.

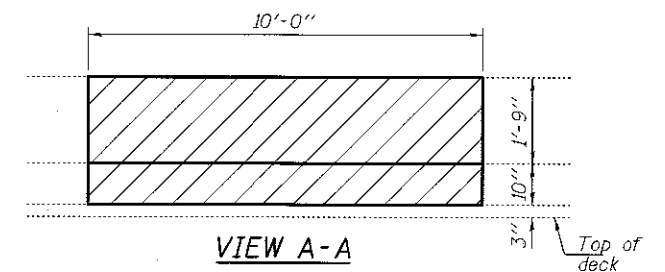


ELEVATION

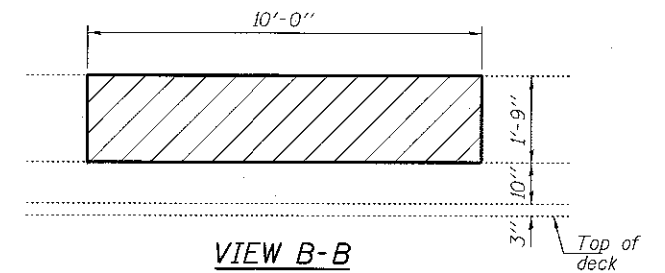


PLAN

Remove & replace expansion joints at all abutments with Joint Strip Seal.



VIEW A-A



VIEW B-B

Hatched areas indicate Structural Repair of Concrete (Depth ≤ 5')

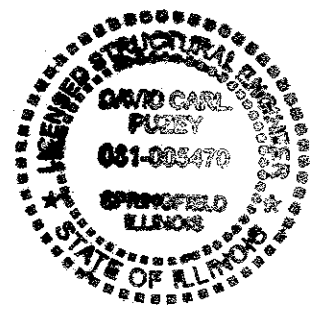
TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	22.7
Concrete Superstructure	Cu. Yd.	22.8
Reinforcement Bars, Epoxy Coated	Pound	2760
Bar Splicers	Each	48
Preformed Joint Strip Seal	Foot	165
Protective Coat	Sq. Yd.	63.4
Structural Repair of Concrete (Depth ≤ 5')	Sq. Ft.	63

* To be applied to new concrete areas only

Note:

Areas of deck repairs shown are estimated. Final quantity and locations to be determined by the Engineer in the field.



EXPIRES 11-30-2018

DESIGNED <i>W. Lopez</i>	EXAMINED <i>T. A. ...</i>	DATE MARCH 21, 2018
CHECKED <i>Ryan Nezar</i>	PASSED <i>...</i>	REVISIONS
DRAWN <i>daburdell</i>		
CHECKED <i>RLD</i>		

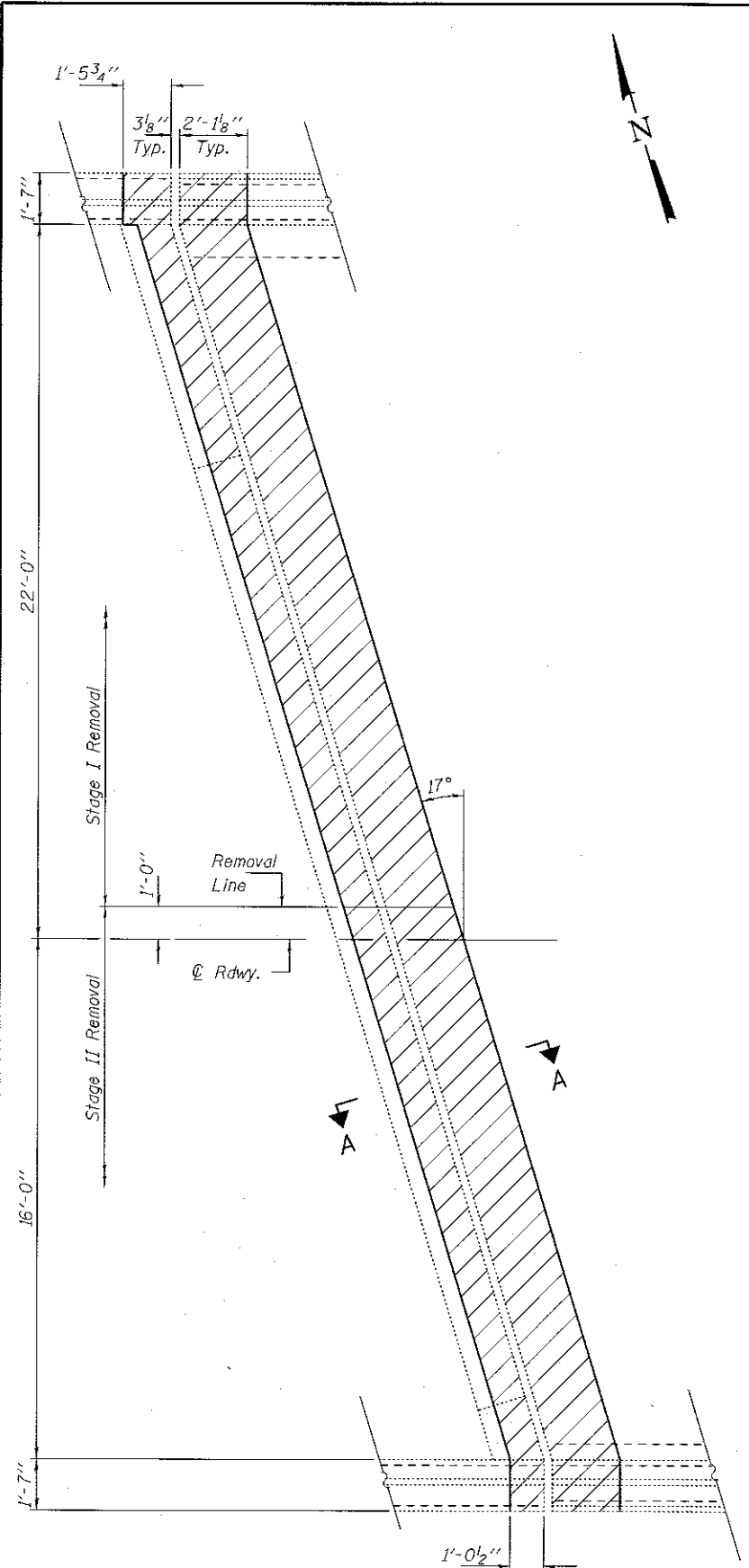
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN
FAI 74 OVER MACKINAW RIVER
SN 102-0001 (WB) & 0002 (EB)

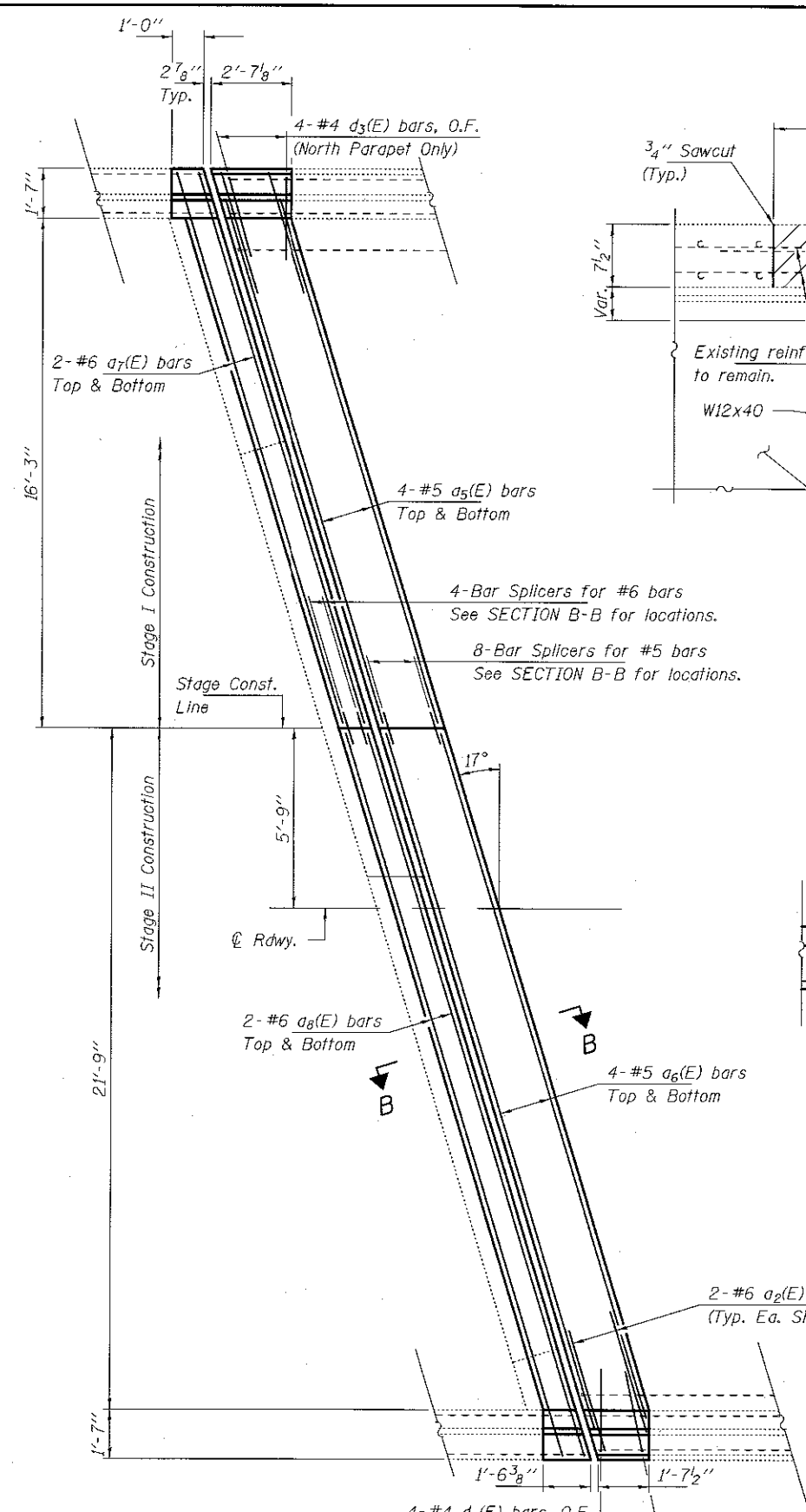
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	103-16,17,190-15/RS-5; 157-17/RS-4	WOODFORD	504	229
			CONTRACT NO. 68A79	

SHEET NO. 1 OF 5 SHEETS

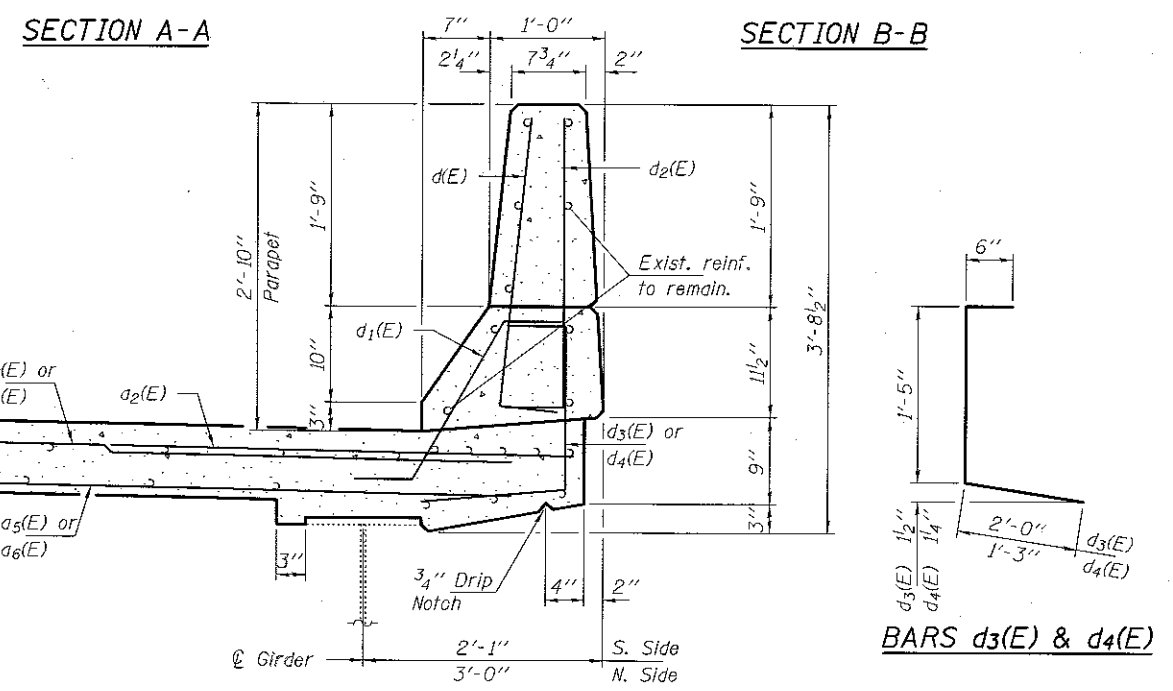
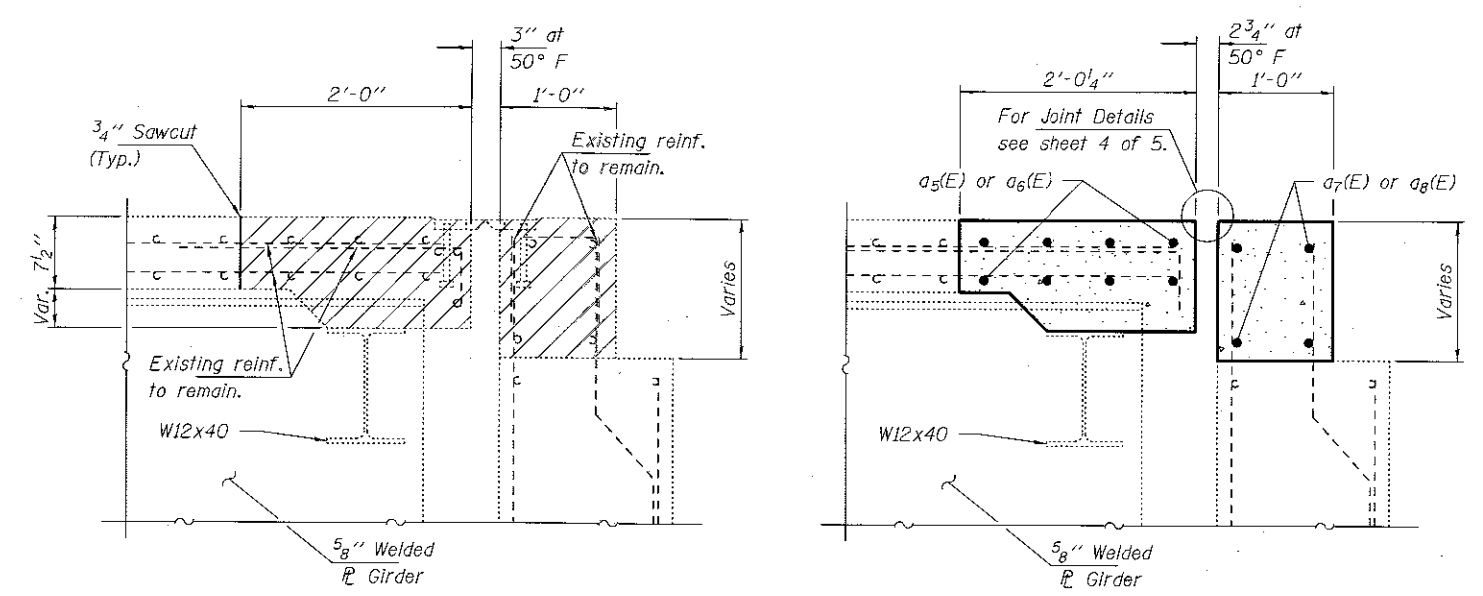
ILLINOIS FED. AID PROJECT



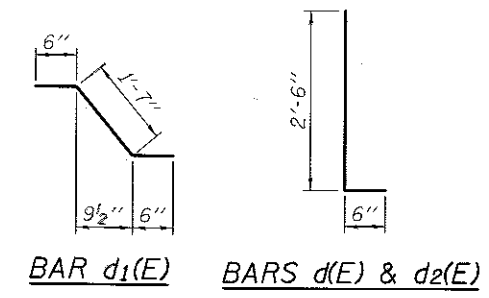
CONCRETE REMOVAL DETAILS
East and West Abutment



CONCRETE REMOVAL DETAILS
East and West Abutment



TYPICAL SECTION THRU BRIDGE PARAPET



BILL OF MATERIAL - 2 ABUTS.

Bar	No.	Size	Length	Shape
a2(E)	8	#6	4'-0"	—
a5(E)	16	#5	17'-6"	—
a6(E)	16	#5	23'-3"	—
a7(E)	8	#6	18'-4"	—
a8(E)	8	#6	24'-1"	—
d(E)	16	#5	3'-0"	L
d1(E)	16	#5	2'-7"	∩
d2(E)	16	#4	3'-0"	L
d3(E)	8	#4	3'-11"	L
d4(E)	8	#4	3'-2"	L
Concrete Removal			Cu. Yd.	11.7
Concrete Superstructure			Cu. Yd.	11.7
Reinforcement Bars, Epoxy Coated			Pound	1400

DESIGNED MLD
 CHECKED RPN RPN
 DRAWN daburdell
 CHECKED MLD RPN

EXAMINED *Timothy A. ...*
 ENGINEER OF STRUCTURAL SERVICES

DATE MARCH 21, 2018

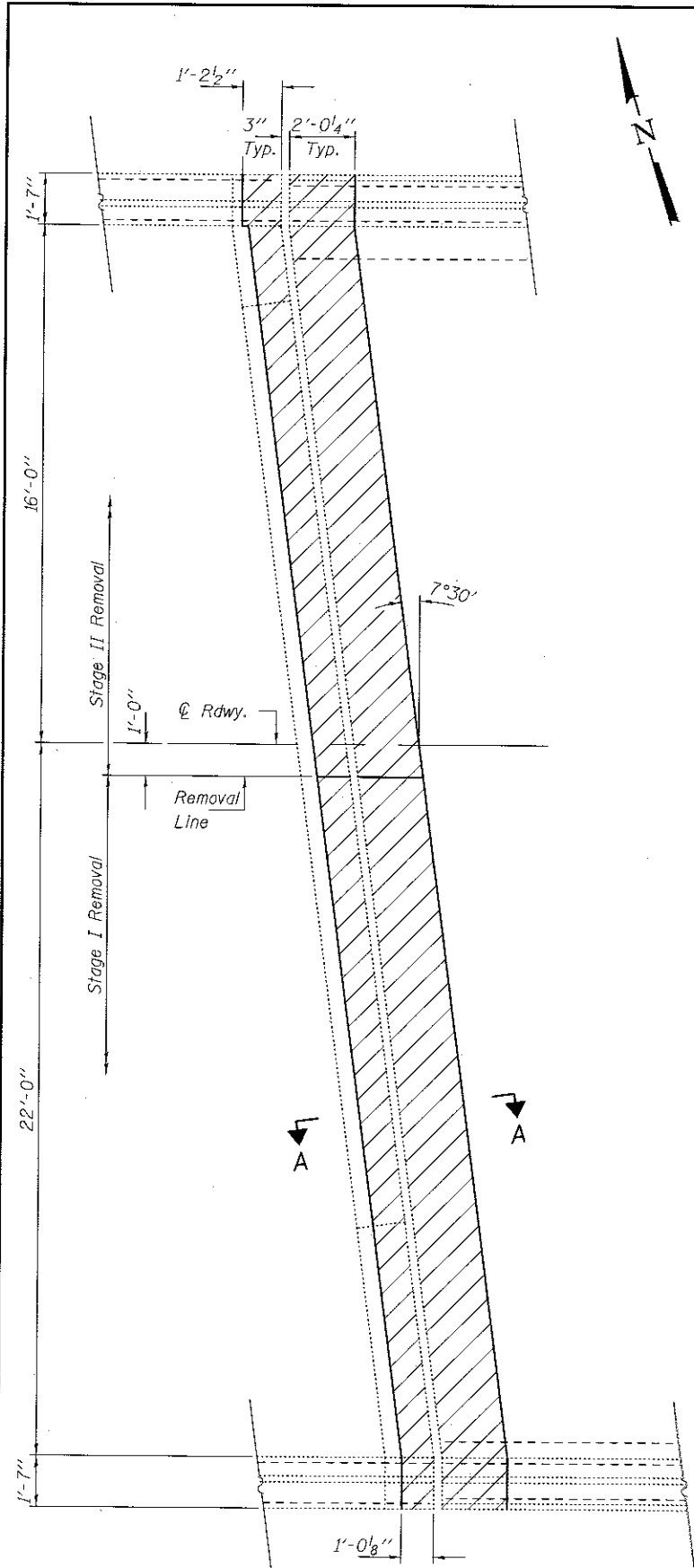
REVISOR
 REVISOR

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

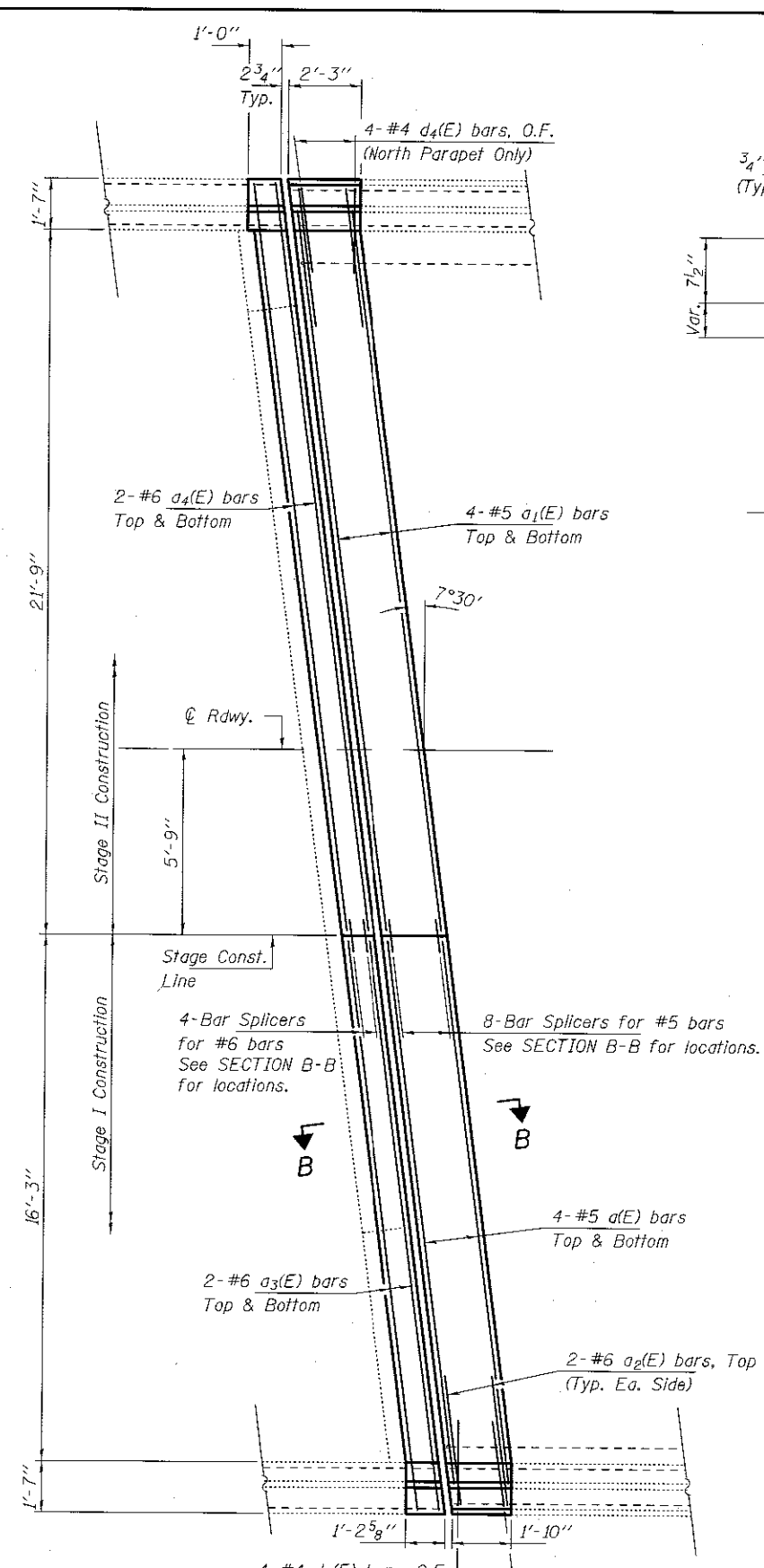
JOINT REMOVAL AND REPLACEMENT
SN 102-0001 (WB)

SHEET NO. 2 OF 5 SHEETS

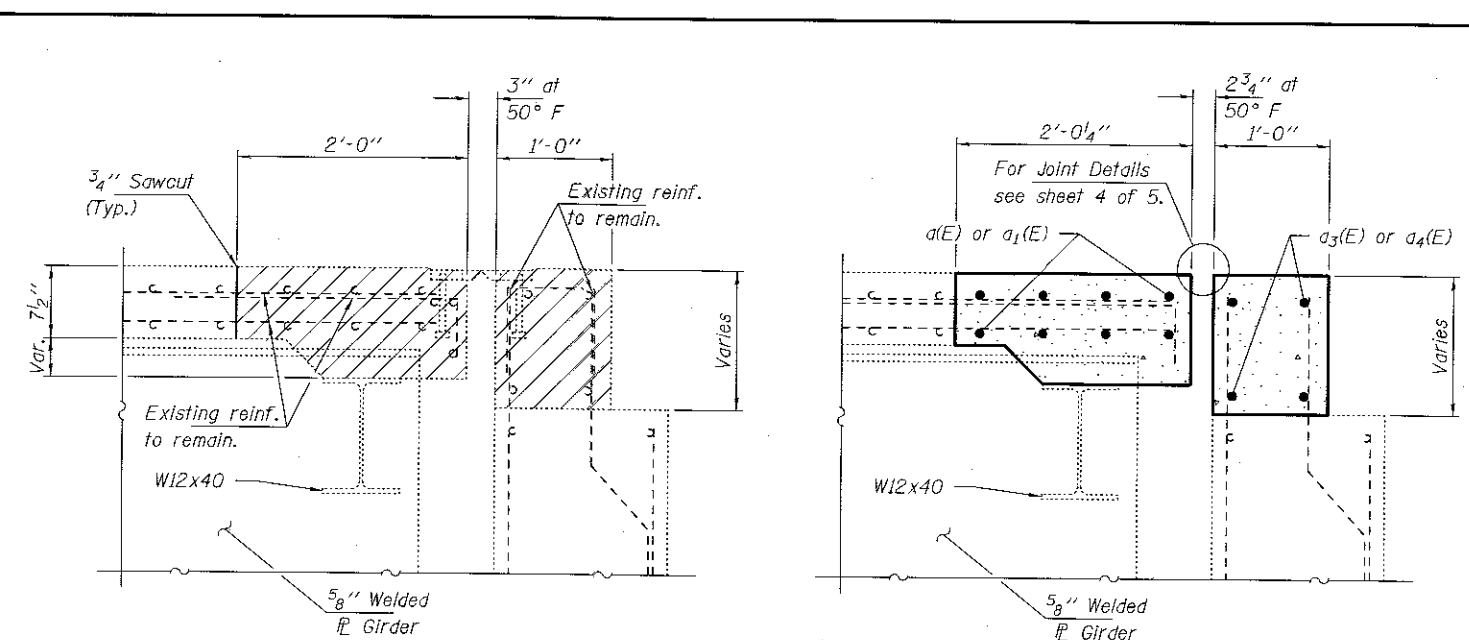
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	1X3-16,17,190-15/R5-5; 157-17/R5-4	WOODFORD	504	230
CONTRACT NO. 68A79				
[ILLINOIS] FED. AID PROJECT				



CONCRETE REMOVAL DETAILS
East and West Abutment

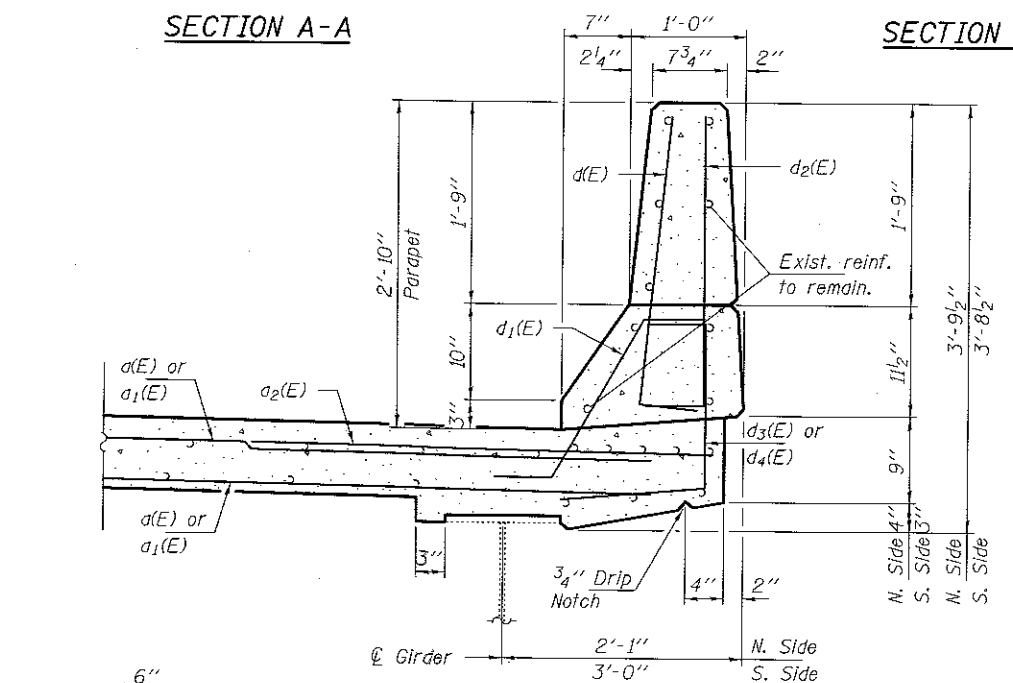


CONCRETE REMOVAL DETAILS
East and West Abutment

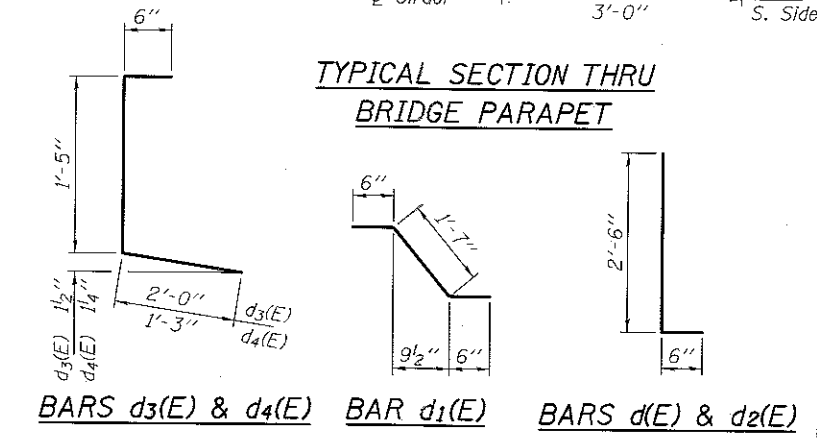


SECTION A-A

SECTION B-B



TYPICAL SECTION THRU BRIDGE PARAPET



BILL OF MATERIAL - 2 ABUTS.

Bar	No.	Size	Length	Shape
d(E)	16	#5	16'-10"	—
a1(E)	16	#5	22'-5"	—
a2(E)	8	#6	4'-0"	—
a3(E)	8	#6	17'-8"	—
a4(E)	8	#6	23'-2"	—
d(E)	16	#5	3'-0"	L
d1(E)	16	#5	2'-7"	L
d2(E)	16	#4	3'-0"	L
d3(E)	8	#4	3'-11"	L
d4(E)	8	#4	3'-2"	L
Concrete Removal			Cu. Yd.	11.0
Concrete Superstructure			Cu. Yd.	11.1
Reinforcement Bars, Epoxy Coated			Pound	1360

DESIGNED MLD
CHECKED RPN RPN
DRAWN daburdell
CHECKED MLD RPN

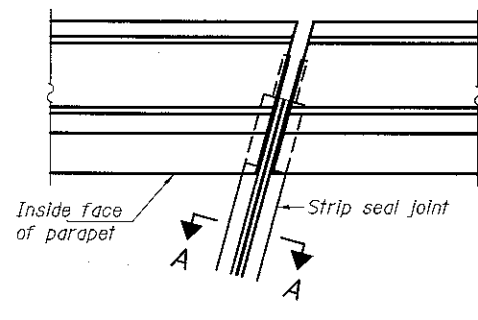
EXAMINED *Imoti A. Anand*
PASSED *Carl Krueger*
ENGINEER OF STRUCTURAL SERVICES
ENGINEER OF BRIDGES AND STRUCTURES

DATE MARCH 21, 2018
REVISED
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

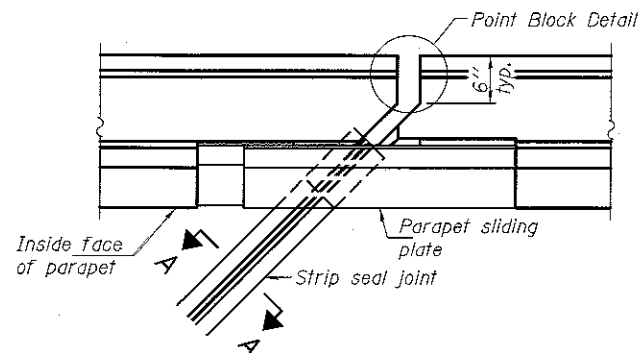
JOINT REMOVAL AND REPLACEMENT
SN 102-0002 (EB)

F.A.I. R.T.E. SECTION COUNTY TOTAL SHEETS SHEET NO.
74 (X3-16,17;90-15;RS-5; 157-17;RS-4 WOODFORD 504 231
CONTRACT NO. 68A79
ILLINOIS FED. AID PROJECT

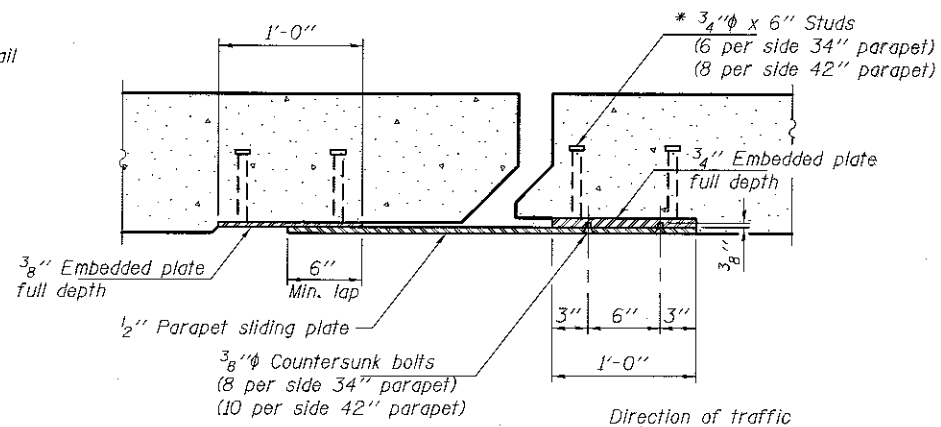


FOR SKEWS = 30°

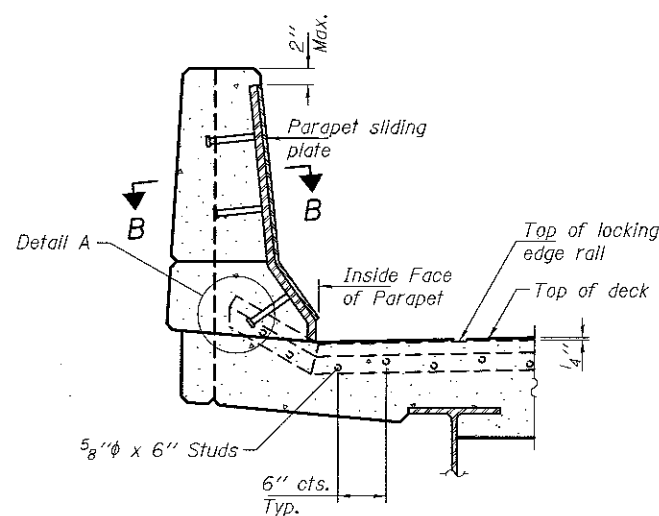
PLAN AT PARAPET



FOR SKEWS > 30°

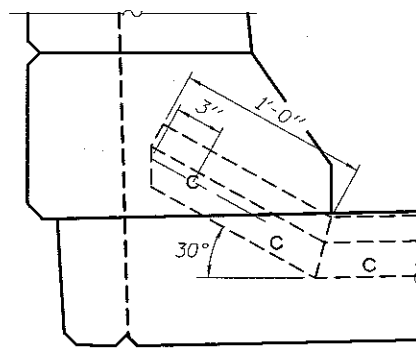


SECTION B-B

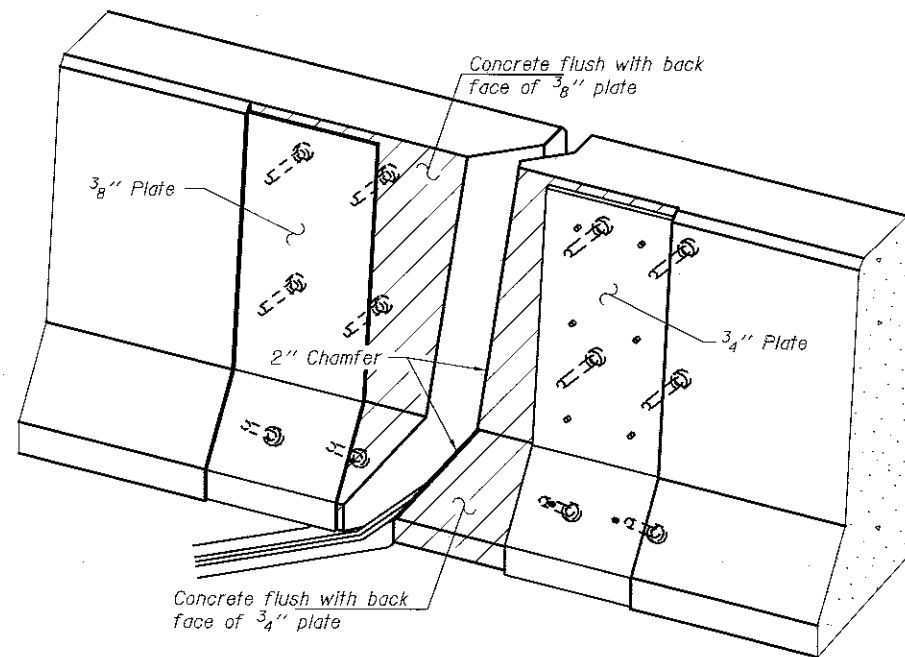


ELEVATION AT PARAPET

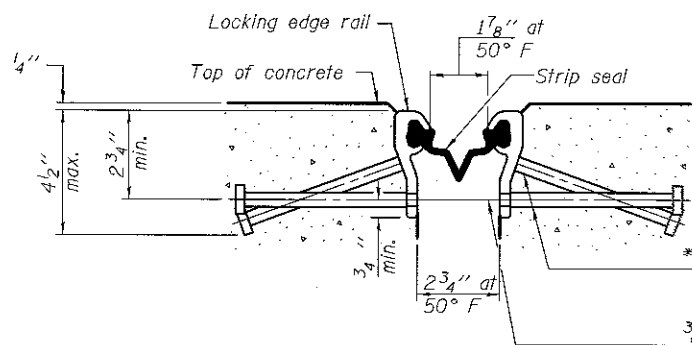
(Skews > 30° shown. Skews ≤ 30° similar except as shown in plan view.)



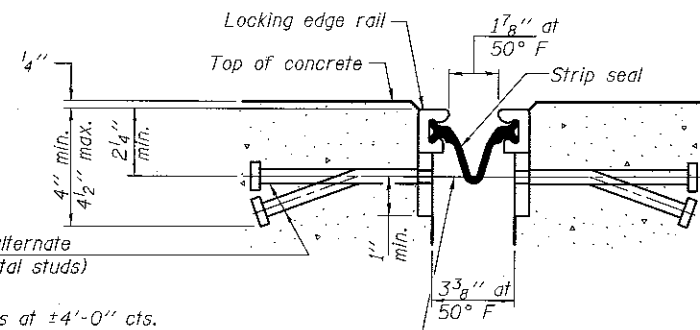
DETAIL A



TRIMETRIC VIEW
(Showing embedded plates only)



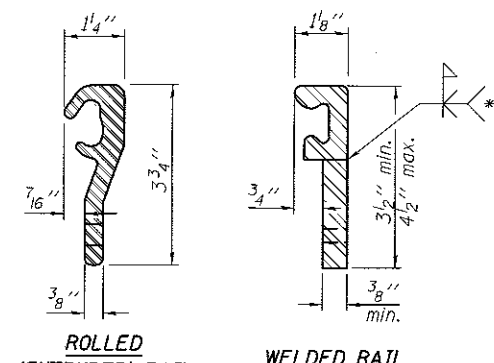
SHOWING ROLLED RAIL JOINT



SHOWING WELDED RAIL JOINT

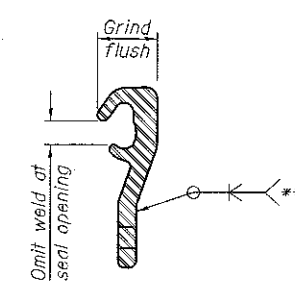
SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	165

EJ-SS

8-11-17

DESIGNED	MLD
CHECKED	RPN RPN
DRAWN	daburdell
CHECKED	MLD RPN

EXAMINED	Imoti A. Anot	DATE	MARCH 21, 2018
PASSED	Carl Perry	REVISD	
		REVISD	

DATE	MARCH 21, 2018
REVISD	
REVISD	

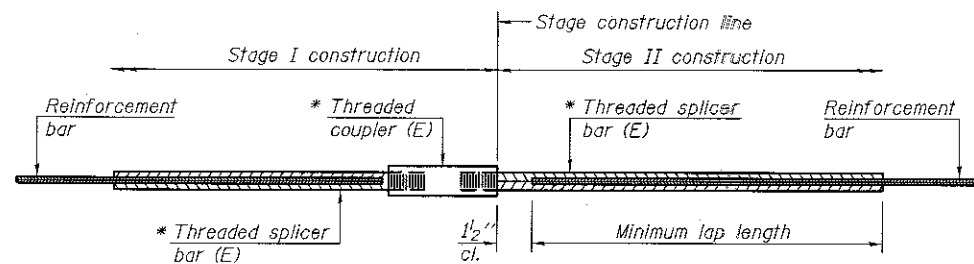
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
SN 102-0001 (WB) & 0002 (EB)

SHEET NO. 4 OF 5 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(K3-16,17,20-15R5-5; 157-17R5-4	WOODFORD	504	232
CONTRACT NO. 68A79				

ILLINOIS FED. AID PROJECT



STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1/2" + thread length

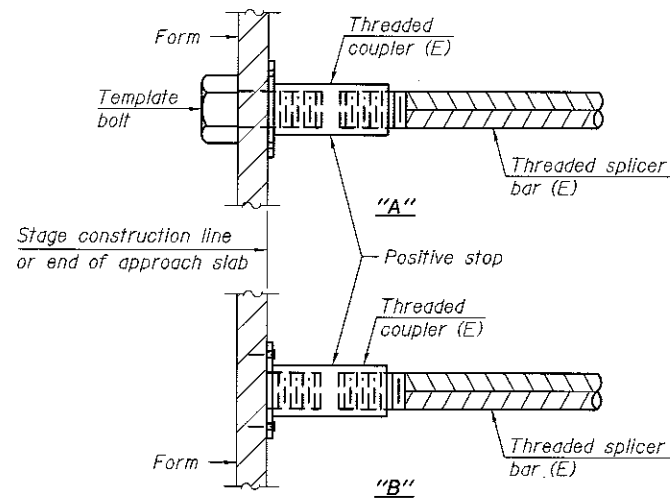
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

SN 102-0001

Location	Bar size	No. assemblies required	Minimum lap length
North Abutment	#5	8	3'-6"
North Abutment	#6	4	4'-0"
South Abutment	#5	8	3'-6"
South Abutment	#6	4	4'-0"

SN 102-0002

Location	Bar size	No. assemblies required	Minimum lap length
North Abutment	#5	8	3'-6"
North Abutment	#6	4	4'-0"
South Abutment	#5	8	3'-6"
South Abutment	#6	4	4'-0"

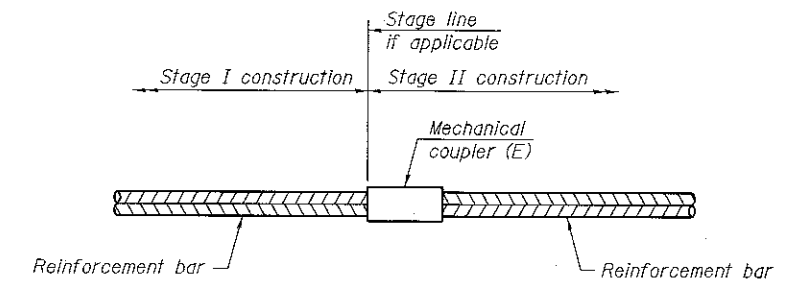


INSTALLATION AND SETTING METHODS

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

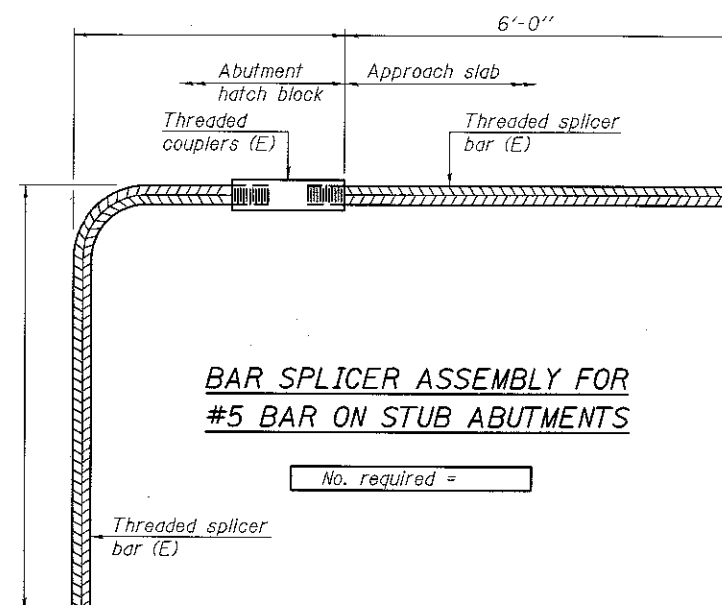
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars. Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

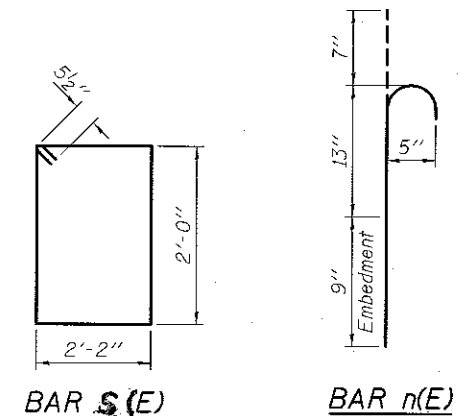
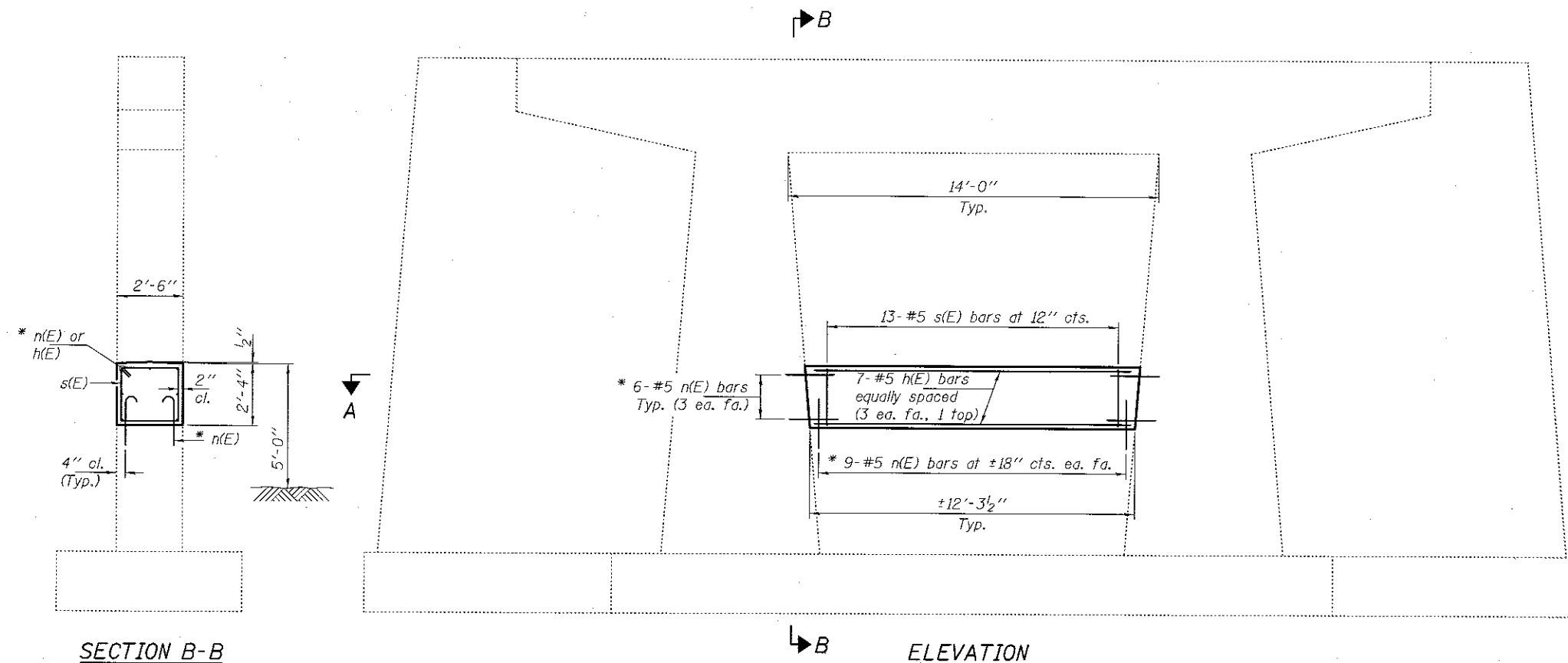
BSD-1

6-8-15

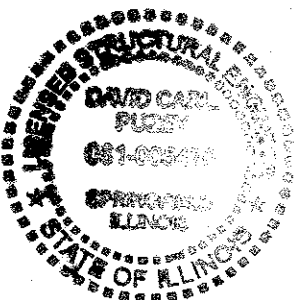
DESIGNED <i>MLD</i>	EXAMINED <i>Timothy A. Andelt</i>	DATE <i>MARCH 21, 2018</i>	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS SN 102-0001 (WB) & 0002 (EB)	F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED <i>RPN RPN</i>	PASSED <i>Carl Perry</i>	REVISIONS			74	0X3-16.17;90-15RS-5; 457-17RS-4	WOODFORD	504	233
DRAWN <i>daburdell</i>	REVISIONS	REVISIONS			CONTRACT NO. 68A79				
CHECKED <i>MLD RPN</i>	REVISIONS	REVISIONS			SHEET NO. 5 OF 5 SHEETS				

NOTES

The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Reinforcement bars designated (E) shall be epoxy coated.



* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



EXPIRES 11-30-2018

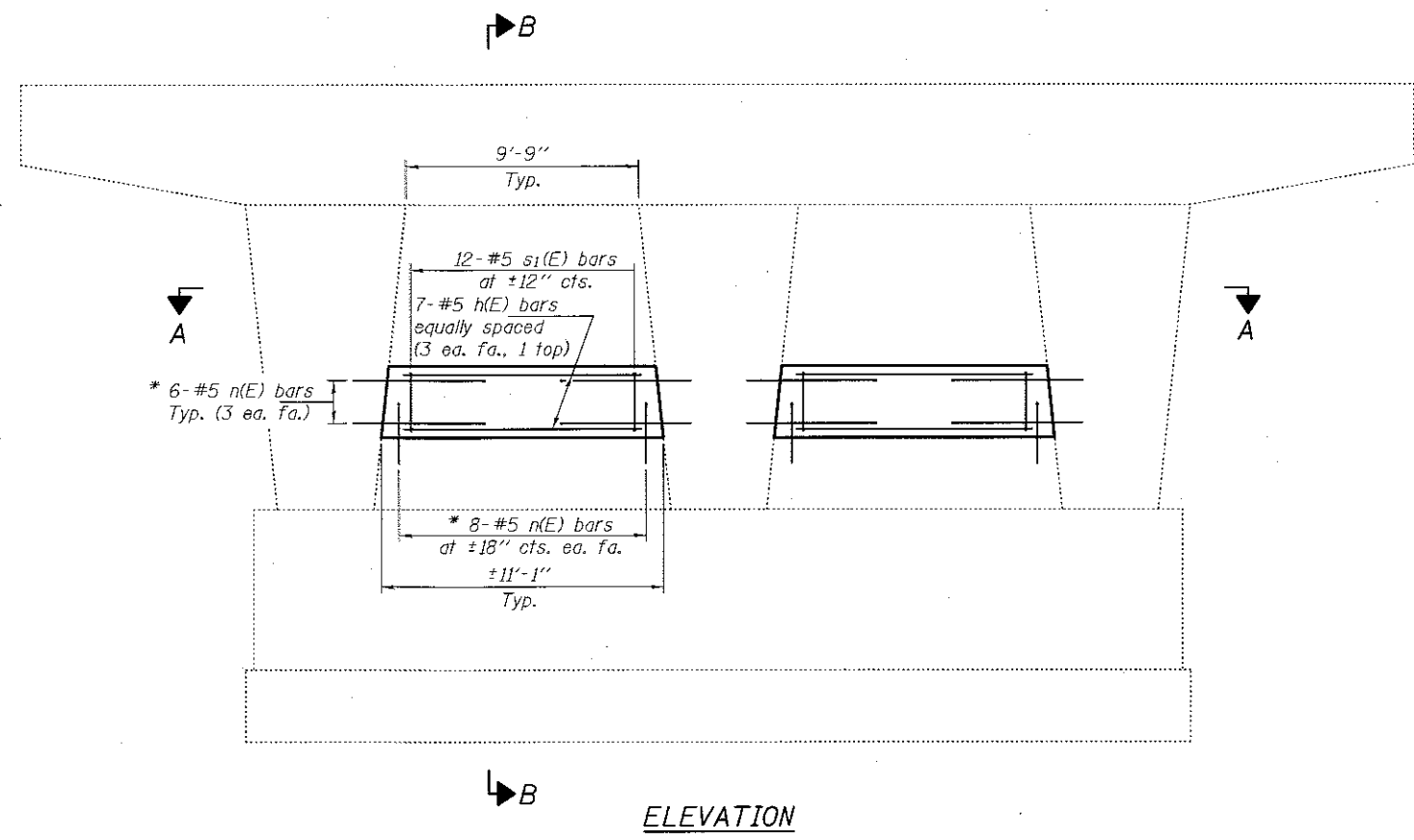
**BILL OF MATERIAL
(3 PIERS)**

Bar	No.	Size	Length	Shape
h(E)	21	#5	11'-11"	—
n(E)	90	#5	2'-5"	—
s(E)	39	#5	9'-3"	□
Concrete Structures			Cu. Yd.	8.1
Reinforcement Bars, Epoxy Coated			Pound	860

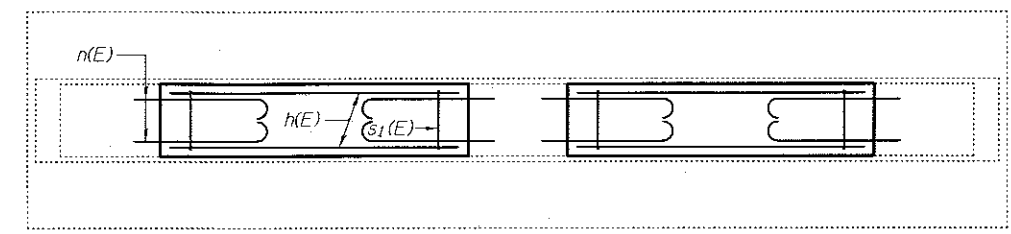
DESIGNED <i>MLD</i>	EXAMINED <i>Tim A. Best</i>	DATE <i>MARCH 21, 2018</i>	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIERS 1, 2 & 3 CRASHWALL EXTENSIONS SN 102-0012	F.A.I. RTE. 74	SECTION 03-16.17-90-15IRS-5; 157-17IRS-4	COUNTY WOODFORD	TOTAL SHEETS 504	SHEET NO. 234
CHECKED <i>RPN RPN</i>	PASSED <i>De Carl Perry</i>	REVIS			CONTRACT NO. 68A79				
DRAWN <i>baliva</i>	REVIS	SHEET NO. 1 OF 1 SHEETS							
CHECKED <i>MLD RPN</i>	ENGINEER OF BRIDGE AND STRUCTURES	ILLINOIS FED. AID PROJECT							

NOTES

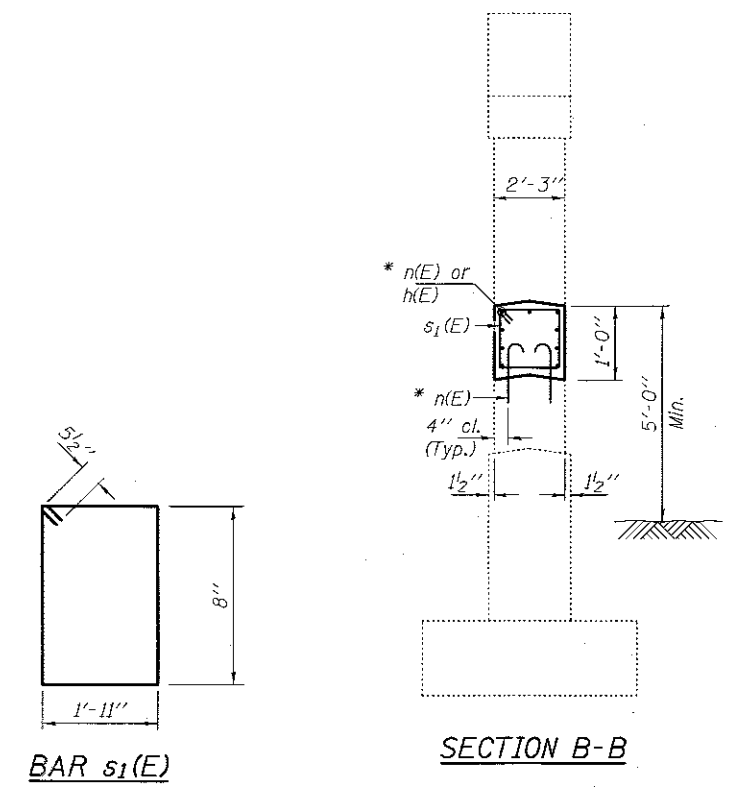
The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Reinforcement bars designated (E) shall be epoxy coated.



ELEVATION



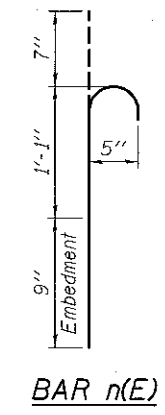
SECTION A-A



BAR s1(E)

SECTION B-B

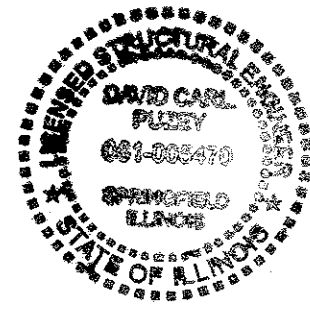
* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



BAR n(E)

BILL OF MATERIAL

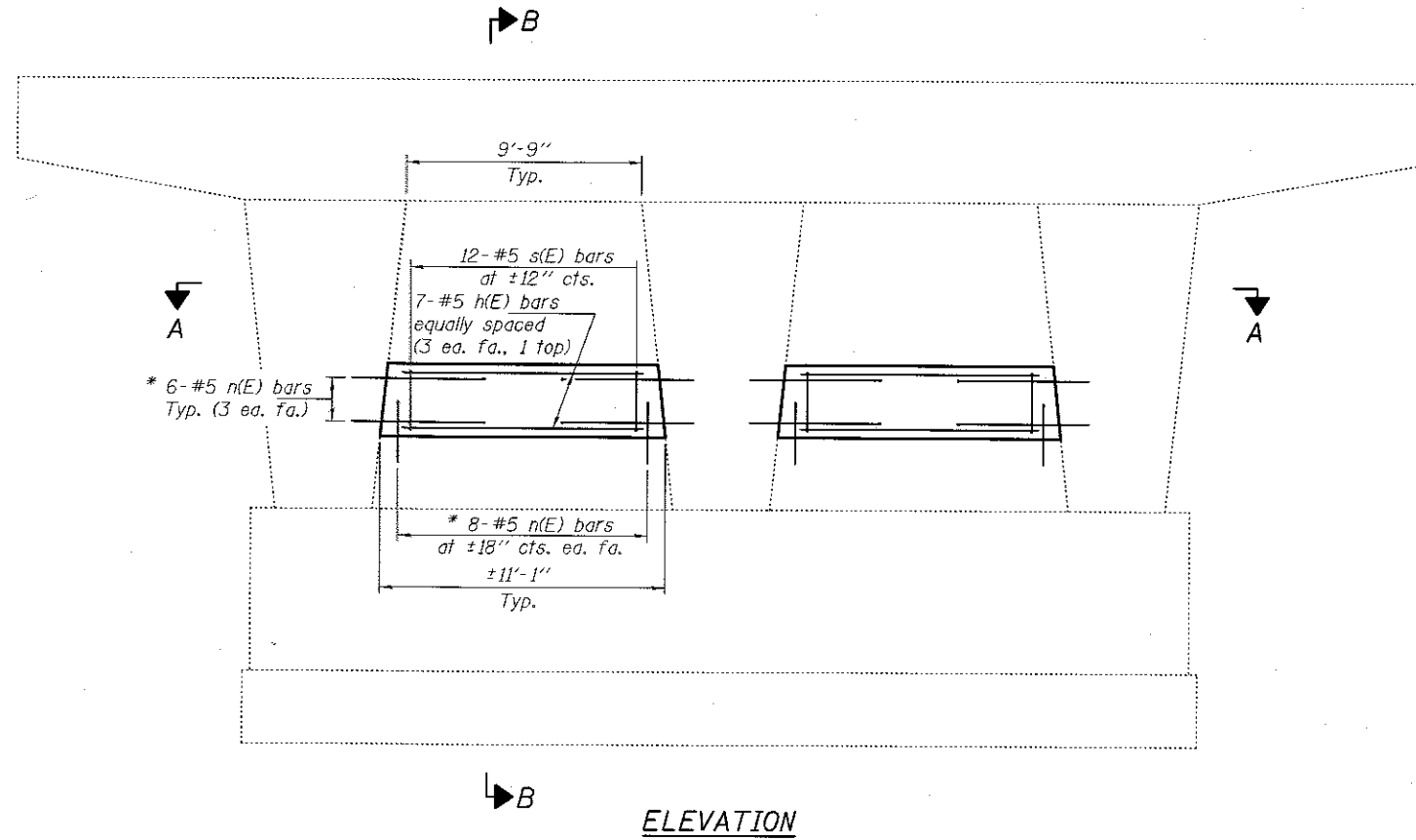
Bar	No.	Size	Length	Shape
h(E)	28	#5	10'-7"	—
n(E)	112	#5	2'-5"	U
s1(E)	48	#5	6'-1"	□
Concrete Structures			Cu. Yd.	3.7
Reinforcement Bars, Epoxy Coated			Pound	900



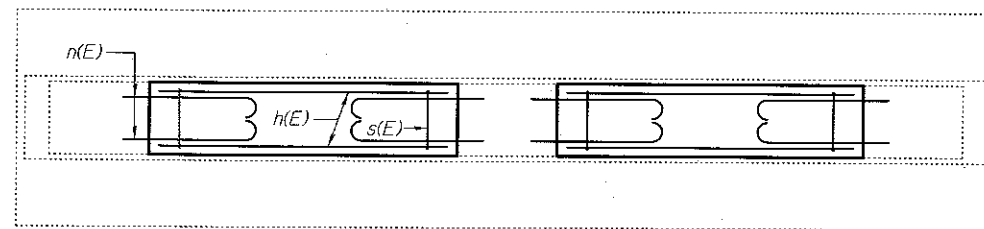
DESIGNED: <i>David Carl Pusy</i>	EXAMINED: <i>Tim A. Adair</i>	DATE: MARCH 21, 2018	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIERS 1 & 2 CRASHWALL EXTENSION SN 057-0102	F.A.I. RTE. 74	SECTION 03-16.17, 90-151RS-5, 157-171RS-4	COUNTY MCLEAN	TOTAL SHEETS 504	SHEET NO. 235
CHECKED: <i>Victor A. Veliz</i>	PASSED: <i>David Carl Pusy</i>	REVISOR:			CONTRACT NO. 68A79				
DRAWN: <i>baliva</i>	REVISOR:	REVISOR:			ILLINOIS FED. AID PROJECT				
CHECKED: <i>JP</i>	REVISOR:	REVISOR:			SHEET NO. 1 OF 2 SHEETS				

NOTES

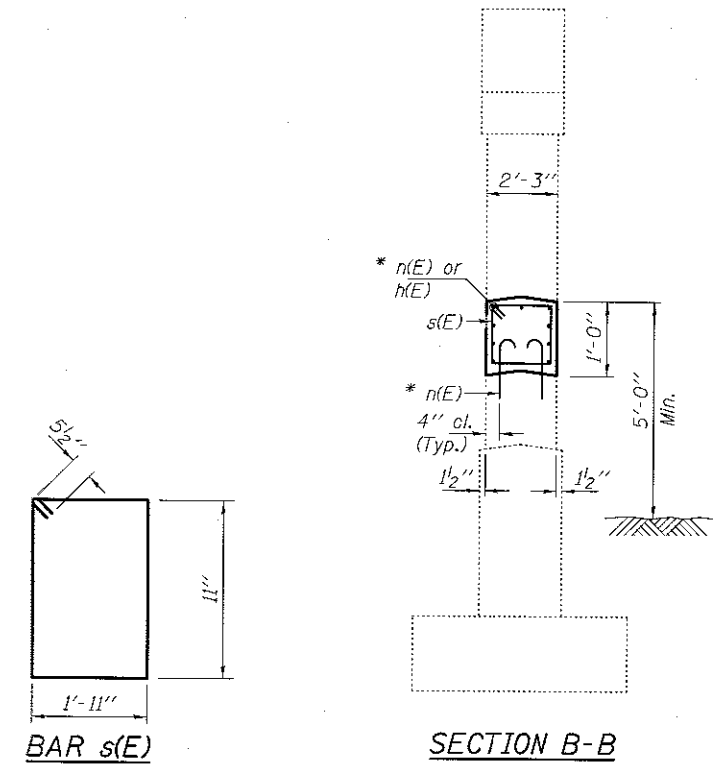
The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Reinforcement bars designated (E) shall be epoxy coated.



ELEVATION



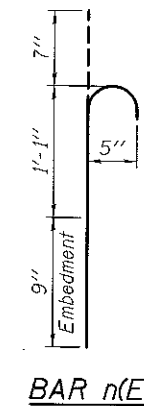
SECTION A-A



BAR s(E)

SECTION B-B

* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



BAR n(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	14	#5	10'-7"	—
n(E)	56	#5	2'-5"	⌋
s(E)	24	#5	6'-7"	□
Concrete Structures			Cu. Yd.	2.3
Reinforcement Bars, Epoxy Coated			Pound	460

DESIGNED: <i>[Signature]</i>	EXAMINED: <i>[Signature]</i>	DATE: MARCH 21, 2018
CHECKED: <i>[Signature]</i>	ENGINEER OF STRUCTURAL SERVICES	REVISOR:
DRAWN: <i>[Signature]</i>	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR:
CHECKED: <i>[Signature]</i>		

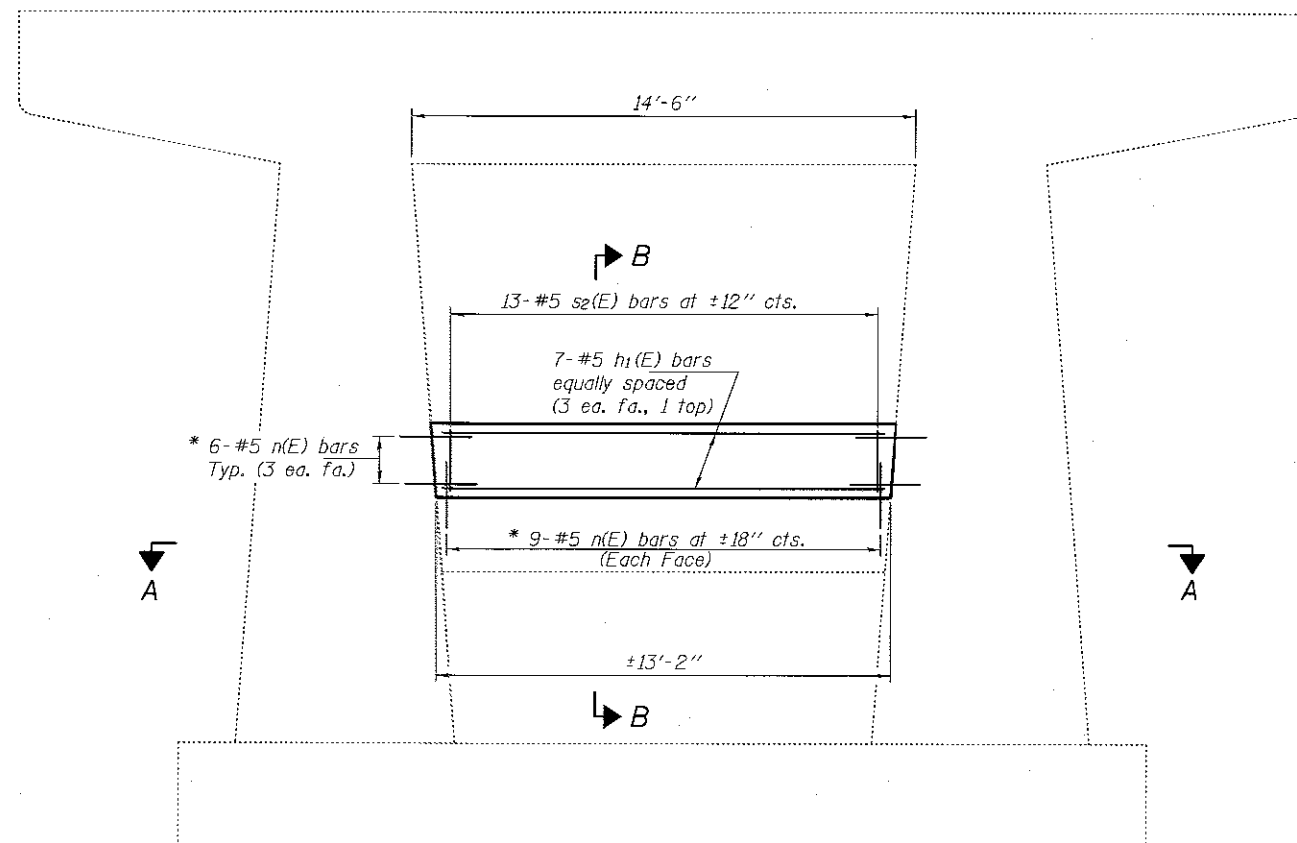
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIER 3 CRASHWALL EXTENSION
 SN 057-0102

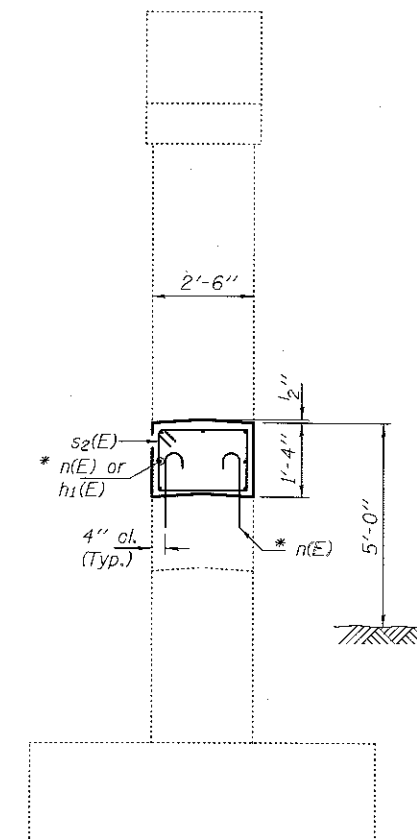
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	03-16.17.90-15RS-51 (57-17RS-4	MCLEAN	504	236
CONTRACT NO. 68A79				
ILLINOIS FED. AID PROJECT				

NOTES

The cost of epoxy grouting threaded rods shall be included with Reinforcement Bars, Epoxy Coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Reinforcement bars designated (E) shall be epoxy coated.

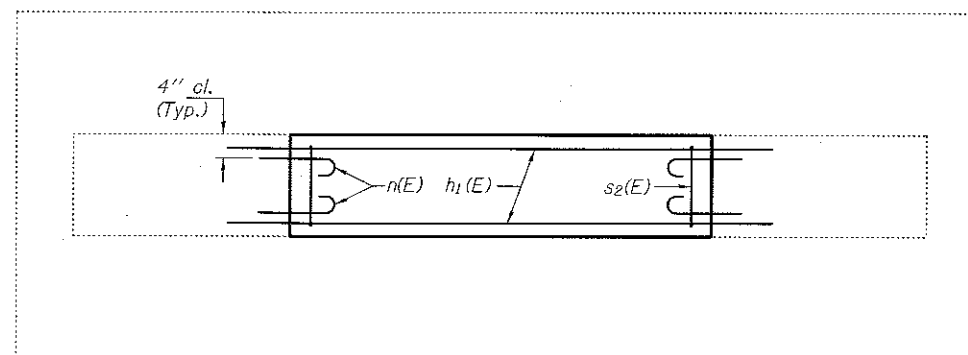


ELEVATION

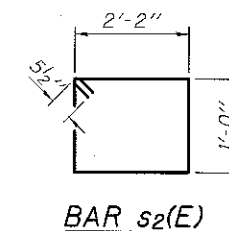


SECTION B-B

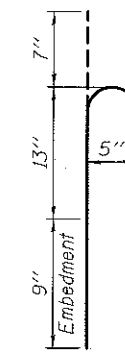
* Epoxy grout bars in 9" min. holes according to Article 584 of the Standard Specifications.



SECTION A-A



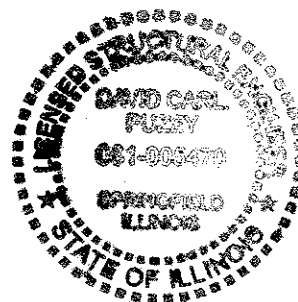
BAR s2(E)



BAR n(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h ₁ (E)	16	#5	12'-10"	—
n(E)	60	#5	2'-5"	⊂
s ₂ (E)	26	#5	7'-3"	□
Concrete Structures			Cu. Yd.	3.3
Reinforcement Bars, Epoxy Coated			Pound	560



EXPIRES 11-30-2018

DESIGNED <i>[Signature]</i>	EXAMINED <i>[Signature]</i>	DATE MARCH 21, 2018
CHECKED <i>[Signature]</i>	ENGINEER OF STRUCTURAL SERVICES	
DRAWN <i>[Signature]</i>	PASSED <i>[Signature]</i>	REVISOR
CHECKED <i>[Signature]</i>	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR

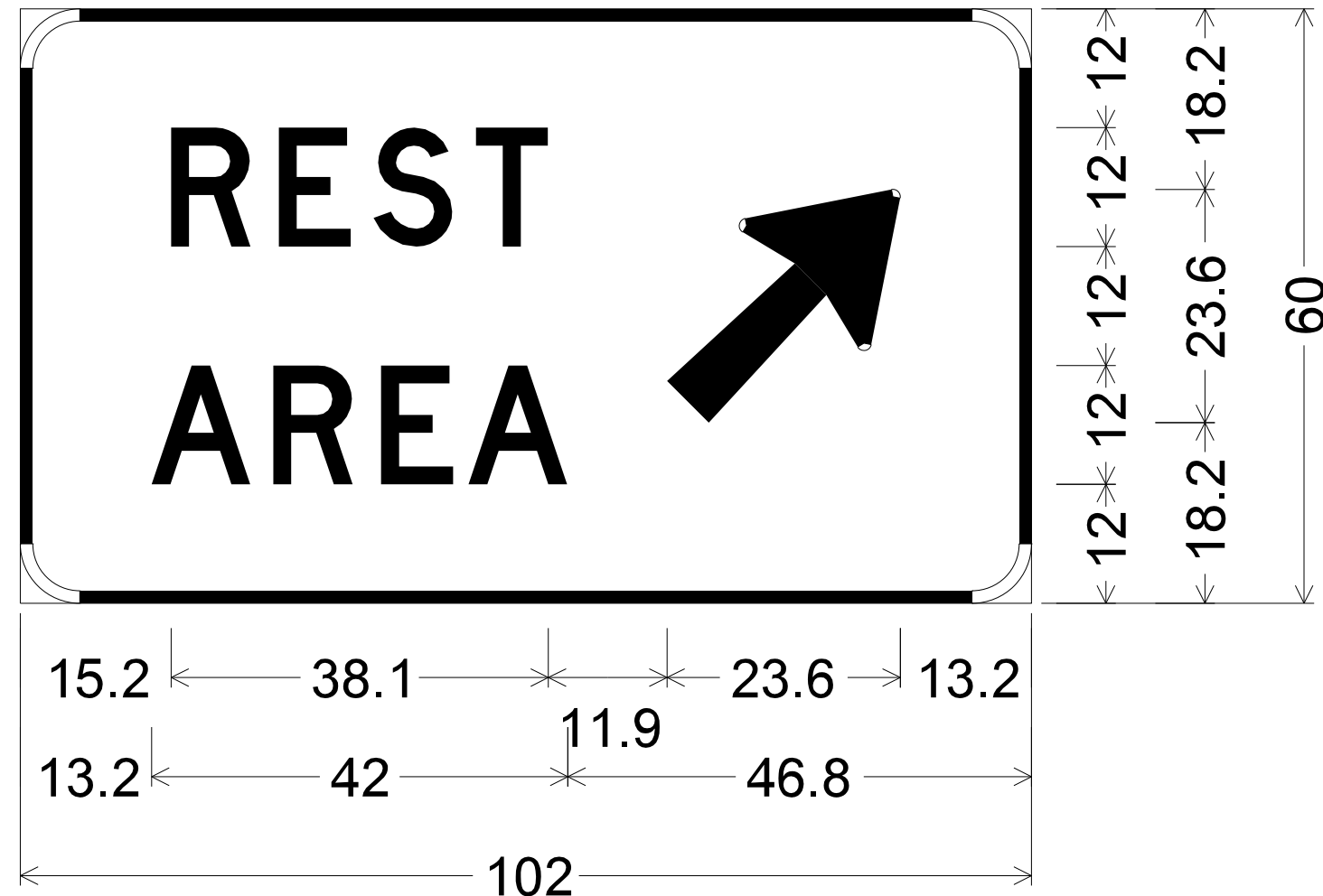
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIER 2 CRASHWALL EXTENSION
SN 057-0113**

SHEET NO. 1 OF 1 SHEETS

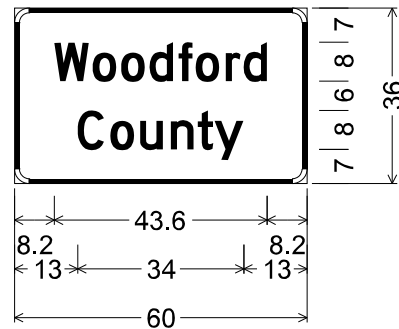
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	0X3-16,17;90-15;R5-5; (57-17)RS-4	MCLEAN	504	237
				CONTRACT NO. 68A79

ILLINOIS FED. AID PROJECT



6.0" Radius, 1.3" Border, White on Blue;
 [REST] D; [AREA] D;
 Arrow 133 - 30.0" 45°;
 Table of letter and object lefts.

R	E	S	T	↗
15.2	26.1	35.6	45.9	65.2
A	R	E	A	
13.2	25.5	36.4	45.2	



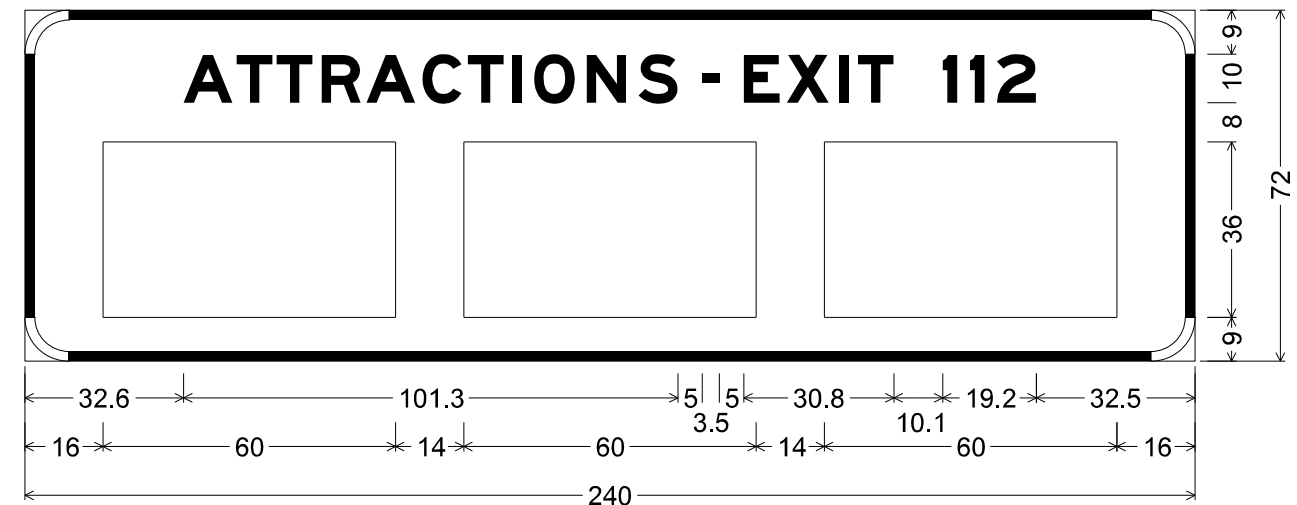
3.0" Radius, 1.0" Border, White on Green;

[Woodford] D 2K;

[County] D 2K;

Table of letter and object lefts.

W	o	o	d	f	o	r	d
8.2	16.0	21.9	27.7	33.6	37.2	43.3	47.0
C	o	u	n	t	y		
13.0	19.7	25.8	32.1	37.6	41.0		

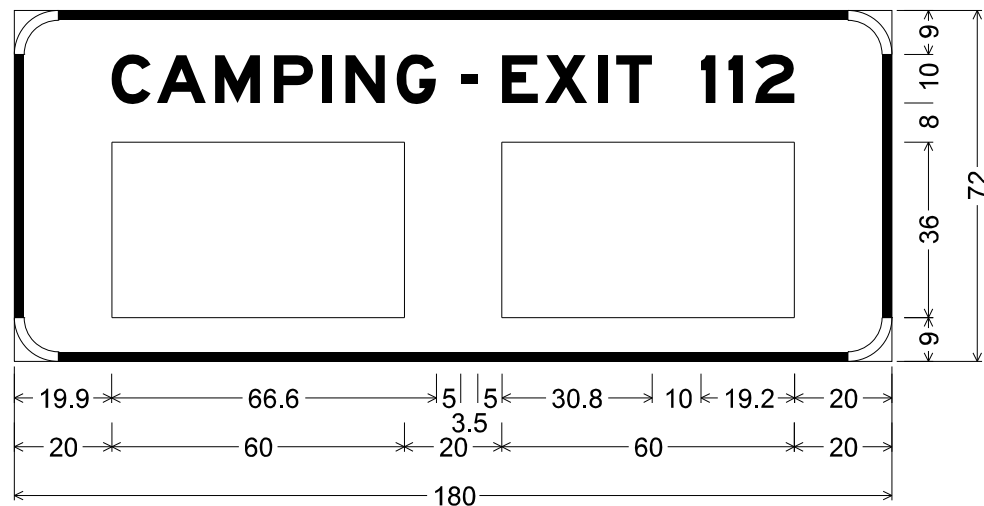


9.0" Radius, 2.0" Border, White on Blue;

[ATTRACTIONS - EXIT 112] E Mod 2K;

Table of letter and object lefts.

A	T	T	R	A	C	T	I	O	N	S	-
32.6	43.5	51.7	60.8	70.1	81.6	90.8	100.0	104.4	115.3	125.8	138.9
E	X	I	T	I	I	2					
147.4	156.3	167.1	170.8	188.3	193.9	199.3					
16.0	90.0	164.0									



9.0" Radius, 2.0" Border, White on Blue;

[CAMPING - EXIT 112] E Mod 2K;

Table of letter and object lefts.

C	A	M	P	I	N	G	-
19.9	29.2	41.1	53.3	63.1	67.9	78.4	91.5
E	X	I	T	I	I	2	
100.0	108.8	119.6	123.4	140.9	146.4	151.9	
20.0	100.0						

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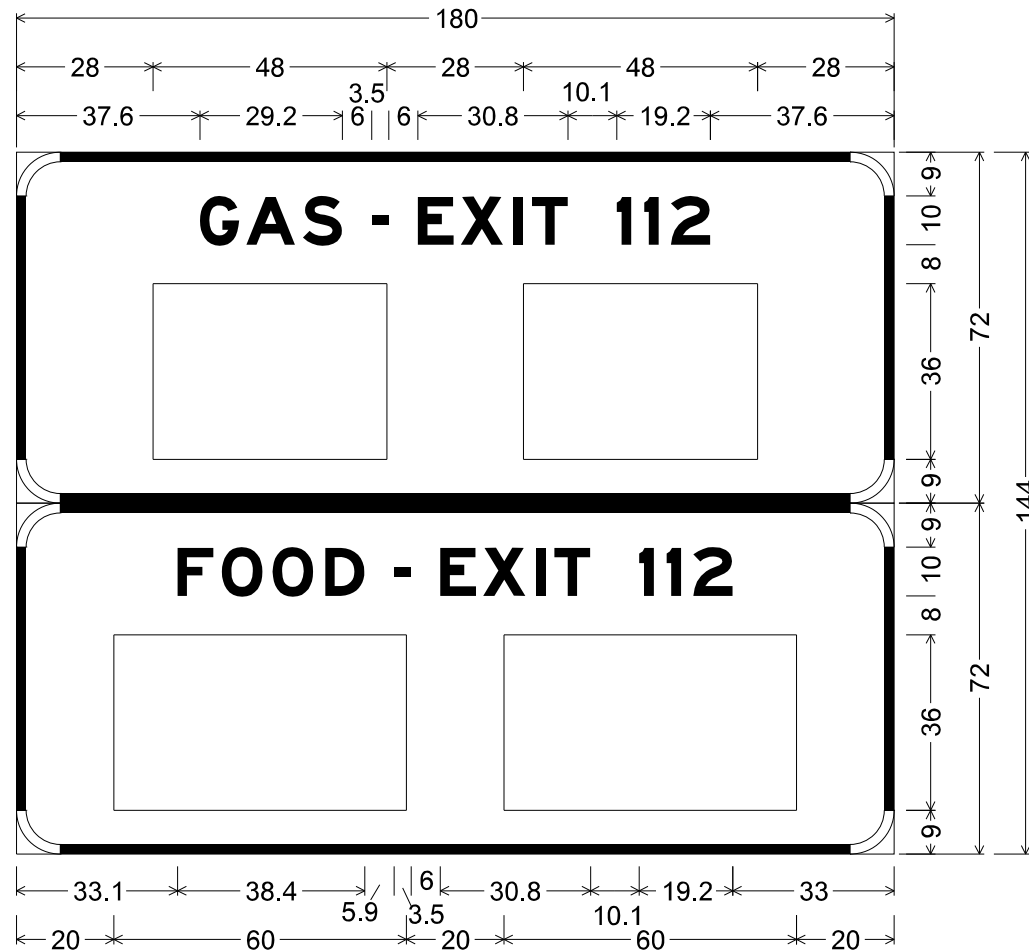
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	DRAWN -	REVISED -
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PLOT DATE = 2/5/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GROUND MOUNTED SIGN DETAILS

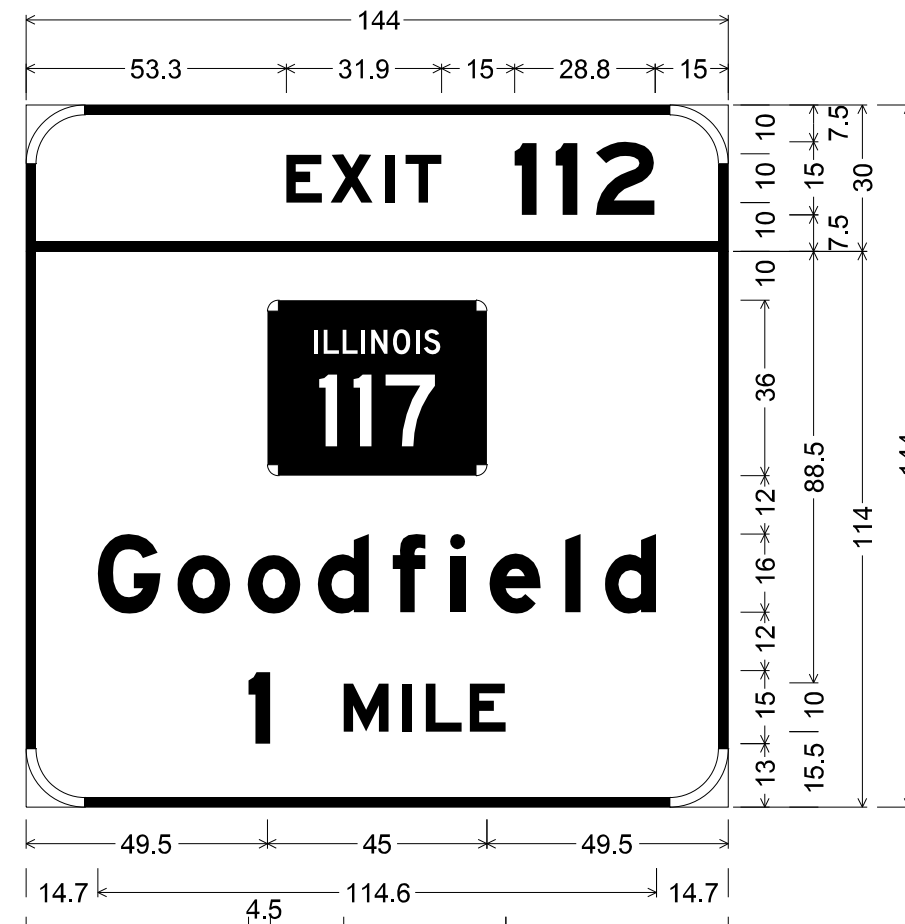
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16),17-90-15/RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLEAN	504	239
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			



9.0" Radius, 2.0" Border, White on Blue;
 [GAS - EXIT 112] E Mod 2K;
 9.0" Radius, 2.0" Border, White on Blue;
 [FOOD - EXIT 112] E Mod 2K;
 Table of letter and object lefts.

G	A	S	-	E	X	I	T	1	1	2
37.6	47.1	58.7	72.8	82.3	91.2	101.9	105.8	123.2	128.8	134.3
<input type="checkbox"/>	<input type="checkbox"/>									
28.0	104.0									
F	O	O	D	-	E	X	I	T		
33.1	42.2	52.6	63.3	77.4	86.9	95.8	106.5	110.3		
	1	1	2							
	127.8	133.4	138.8							
<input type="checkbox"/>	<input type="checkbox"/>									
20.0	100.0									



12.0" Radius, 2.0" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [112] E Mod 2K;
 12.0" Radius, 2.0" Border, White on Green;
 [Goodfield] E Mod 2K; [1 MILE] E Mod 2K;
 Table of letter and object lefts.

E	X	I	T	1	1	2		
53.3	62.4	73.6	77.8	100.2	108.6	116.8		
<input type="checkbox"/>								
49.5								
G	o	o	d	f	i	e	l	d
14.7	31.0	45.4	59.8	75.2	86.9	95.0	110.6	118.7
1	M	I	L	E				
45.6	65.1	77.2	82.0	91.0				

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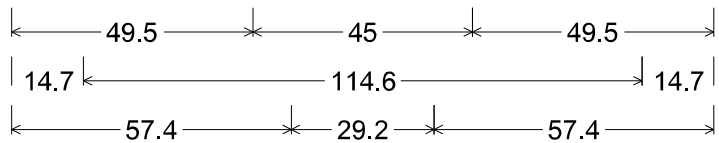
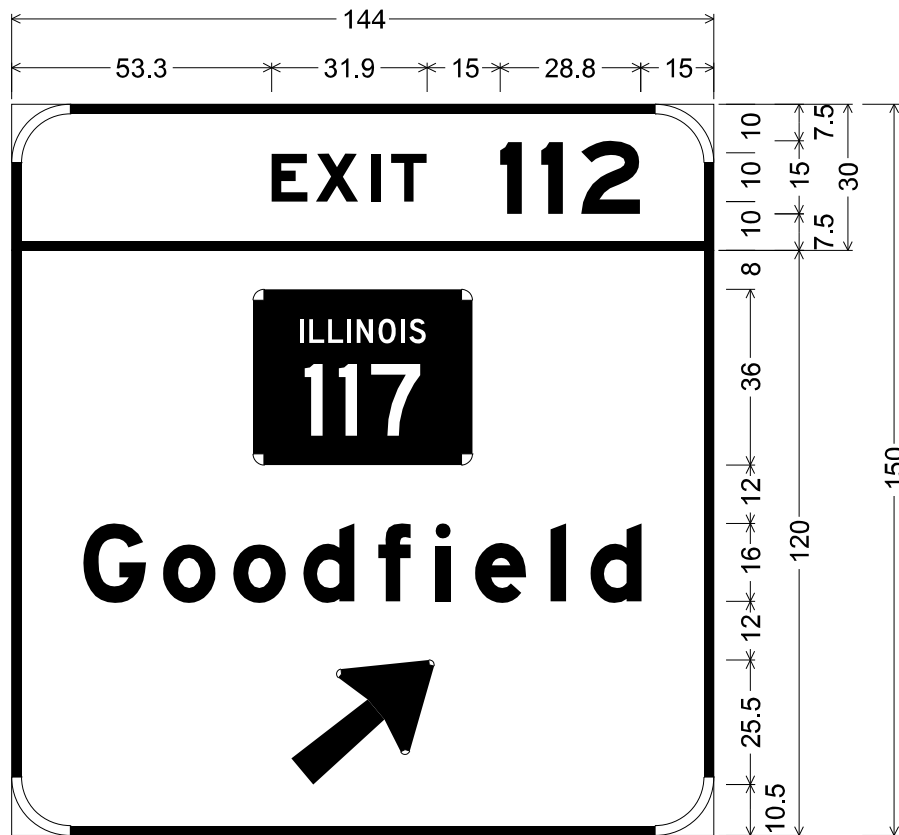
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PLOT DATE = 2/5/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GROUND MOUNTED SIGN DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16),17-90-15/RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLEAN	504	240
FAP 702			CONTRACT NO. 68A79	
(IL 117)		ILLINOIS	FED. AID PROJECT	



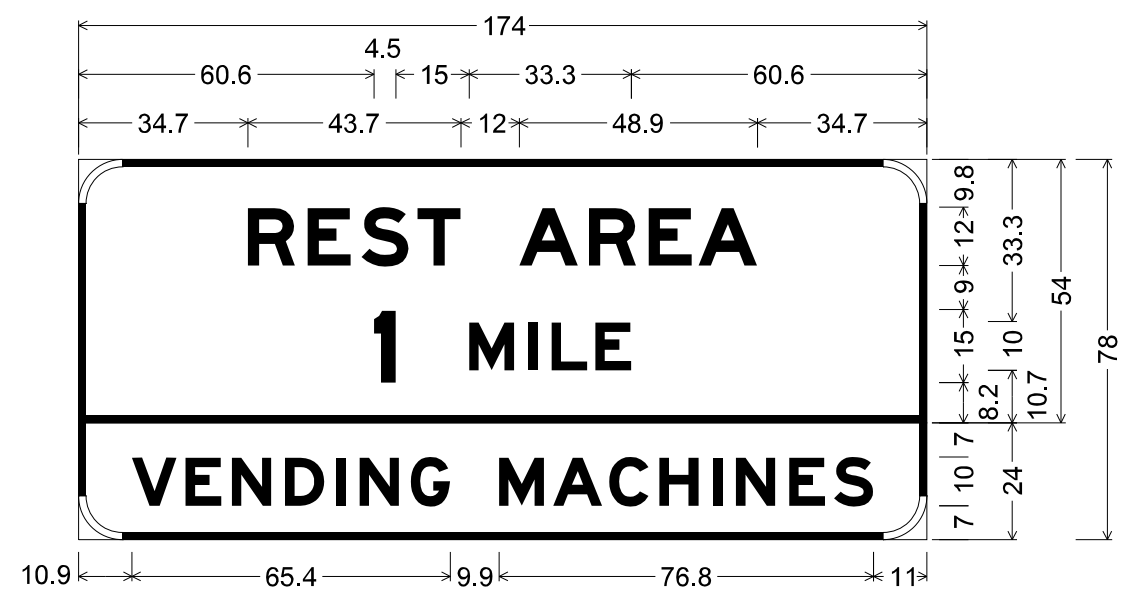
12.0" Radius, 2.0" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing; [112] E Mod 2K;
 12.0" Radius, 2.0" Border, White on Green;
 [Goodfield] E Mod 2K; Arrow 160 - 35.0" 40°;
 Table of letter and object lefts.

E	X	I	T	1	1	2
53.3	62.4	73.6	77.8	100.2	108.6	116.8

■
49.5

G	o	o	d	f	i	e	l	d
14.7	31.0	45.4	59.8	75.2	86.9	95.0	110.6	118.7

↗
57.4



9.0" Radius, 1.5" Border, White on Blue;
 [REST AREA] E Mod 2K; [1 MILE] E Mod 2K;
 9.0" Radius, 1.5" Border, White on Blue;
 [VENDING MACHINES] E Mod 2K;
 Table of letter and object lefts.

R	E	S	T	A	R	E	A
34.7	47.0	58.0	69.5	90.4	104.7	116.9	127.1

1	M	I	L	E
60.6	80.1	92.2	97.0	106.0

V	E	N	D	I	N	G
10.9	21.9	31.4	42.3	52.8	57.6	68.2

M	A	C	H	I	N	E	S
86.2	97.3	108.8	119.2	130.1	134.9	145.8	154.9

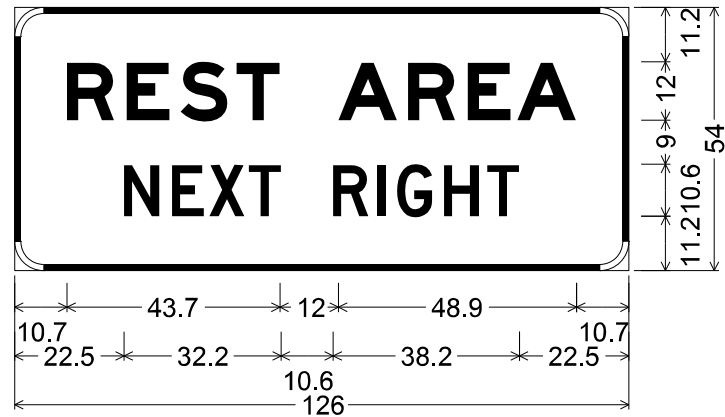
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USER NAME = oltmancr	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISIED -
PLOT DATE = 2/5/2018	CHECKED -	REVISIED -
	DATE -	REVISIED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

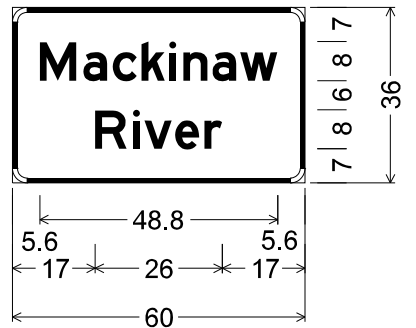
GROUND MOUNTED SIGN DETAILS			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16),17-90-15/RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLEAN	504	242
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS	FED. AID PROJECT		



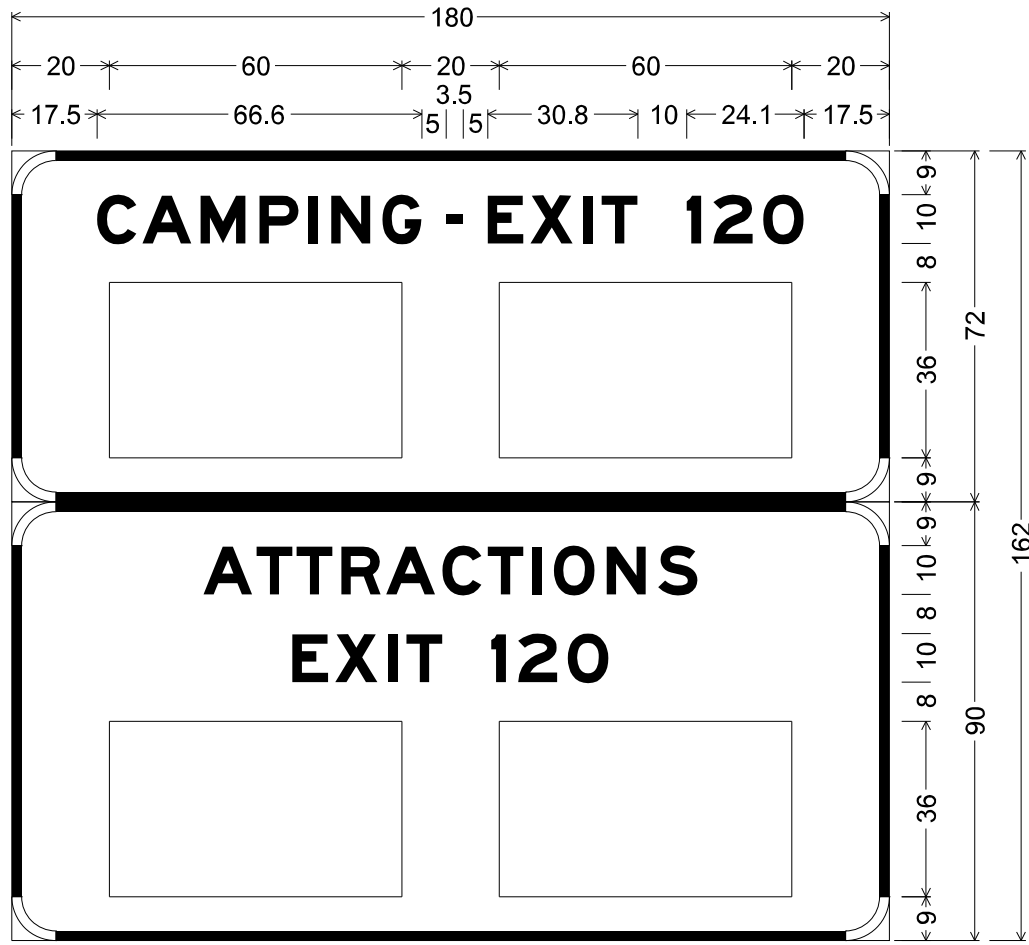
6.0" Radius, 1.3" Border, White on Blue;
 [REST AREA] E Mod 2K;
 [NEXT RIGHT] D 2K;
 Table of letter and object lefts.

R	E	S	T	A	R	E	A
10.7	23.0	34.0	45.5	66.4	80.7	92.9	103.1
N	E	X	T				
22.5	32.3	40.0	48.1				
R	I	G	H	T			
65.3	74.4	78.5	88.1	96.9			



3.0" Radius, 1.0" Border, White on Green;
 [Mackinaw] E 2K;
 [River] E 2K;
 Table of letter and object lefts.

M	a	c	k	i	n	a	w
5.6	14.6	20.6	26.5	32.2	35.0	41.0	46.7
R	i	v	e	r			
17.0	24.7	27.0	33.4	39.4			



9.0" Radius, 2.0" Border, White on Blue;
 [CAMPING - EXIT 120] E Mod 2K;
 9.0" Radius, 2.0" Border, White on Blue;
 [ATTRACTIONS] E Mod 2K; [EXIT 120] E Mod 2K;
 Table of letter and object lefts.

C	A	M	P	I	N	G	-			
17.5	26.8	38.7	50.8	60.7	65.5	76.0	89.1			
E	X	I	T	I	Z	O				
97.6	106.4	117.2	121.0	138.4	143.9	154.1				
20.0	100.0									
A	T	T	R	A	C	T	I	O	N	S
39.3	50.2	58.4	67.6	76.8	88.3	97.6	106.8	111.2	122.0	132.6
E	X	I	T	I	Z	O				
57.6	66.4	77.2	81.0	98.4	103.9	114.1				
20.0	100.0									

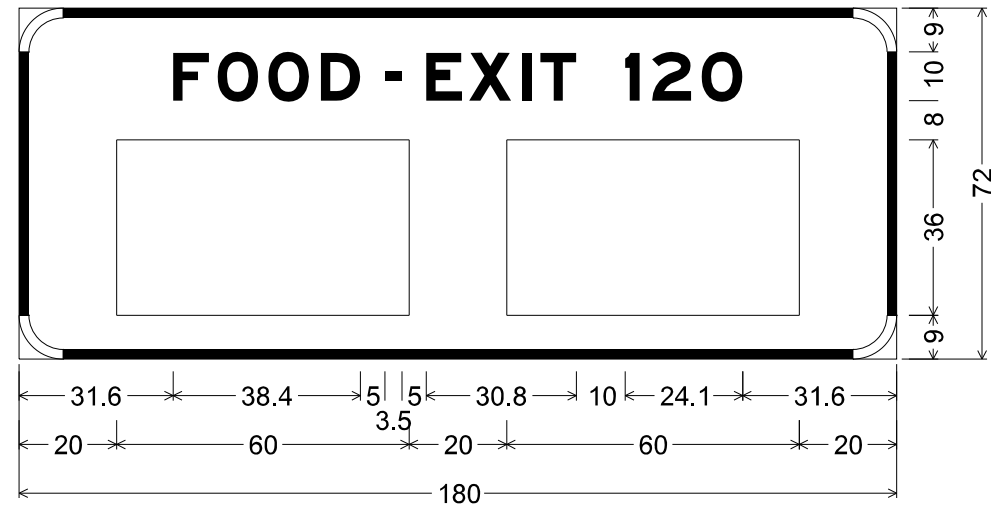
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PLOT DATE = 2/5/2018	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GROUND MOUNTED SIGN DETAILS			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16),17-90-15/RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLEAN	504	243
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			



9.0" Radius, 2.0" Border, White on Blue;

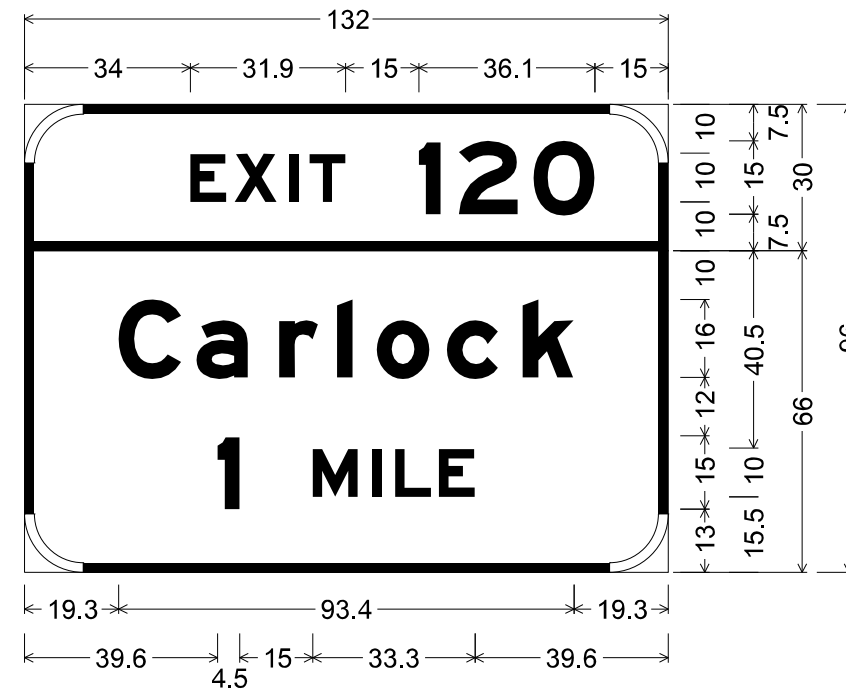
[FOOD - EXIT 120] E Mod 2K;

Table of letter and object lefts.

F	O	O	D	-	E	X	I	T
31.6	40.7	51.1	61.9	75.0	83.5	92.3	103.1	106.9

1	2	O
124.3	129.8	140.0

20.0	100.0



12.0" Radius, 2.0" Border, White on Green;

[EXIT] E Mod 2K 120% spacing;

[120] E Mod 2K;

12.0" Radius, 2.0" Border, White on Green;

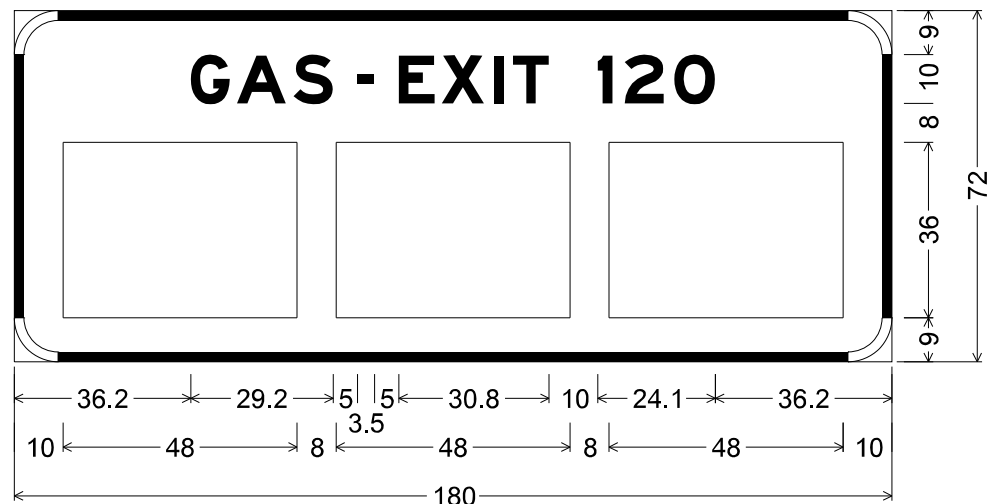
[Carlock] E Mod 2K; [1 MILE] E Mod 2K;

Table of letter and object lefts.

E	X	I	T	1	2	O
34.0	43.1	54.3	58.5	80.9	89.1	104.4

C	a	r	l	o	c	k
19.3	35.3	52.2	64.1	72.2	86.6	102.2

1	M	I	L	E
39.6	59.1	71.2	76.0	85.0



9.0" Radius, 2.0" Border, White on Blue;

[GAS - EXIT 120] E Mod 2K;

Table of letter and object lefts.

G	A	S	-	E	X	I	T	1	2	O
36.2	45.7	57.3	70.4	78.9	87.7	98.5	102.3	119.7	125.2	135.4

10.0	66.0	122.0

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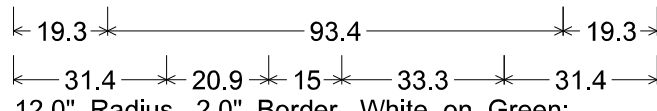
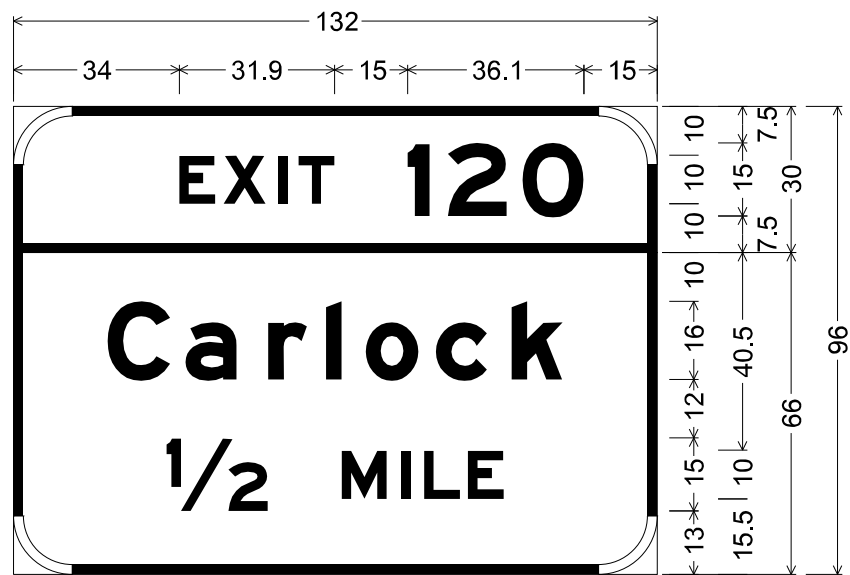
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GROUND MOUNTED SIGN DETAILS

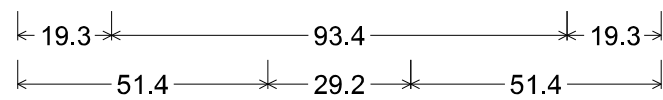
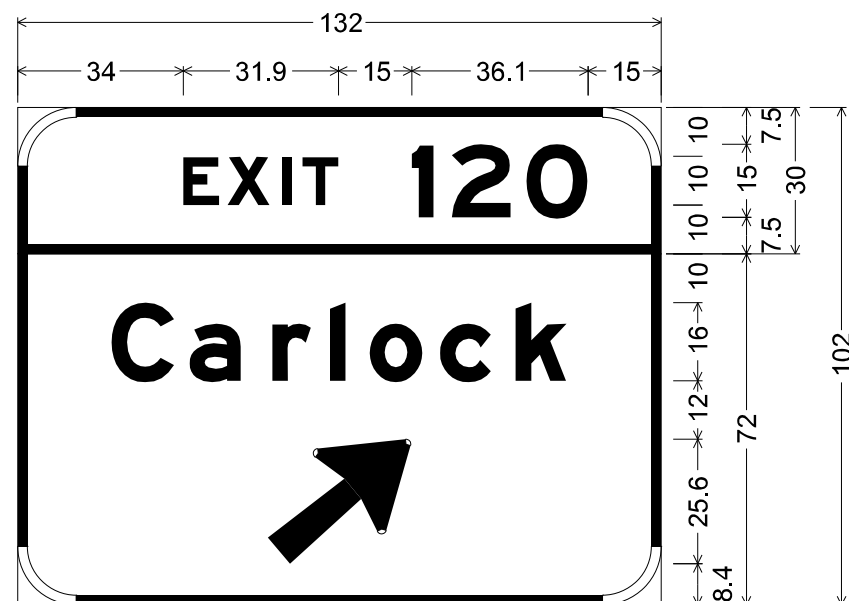
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16), 17-90-15/RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/NECLEAN	504	244
FAP 702			CONTRACT NO. 68A79	
(IL 117)	ILLINOIS FED. AID PROJECT			



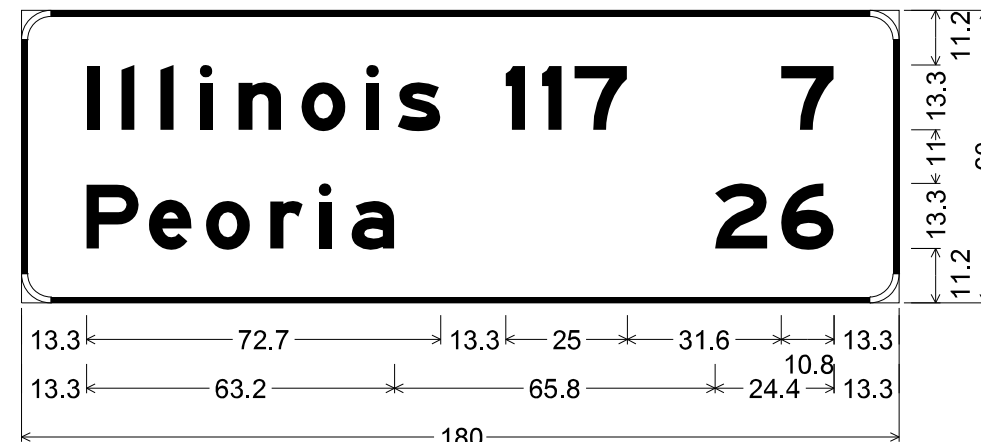
12.0" Radius, 2.0" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing;
 [120] E Mod 2K;
 12.0" Radius, 2.0" Border, White on Green;
 [Carlock] E Mod 2K; [1/2 MILE] E Mod 2K;
 Table of letter and object lefts.

E	X	I	T	1	2	O
34.0	43.1	54.3	58.5	80.9	89.1	104.4
C	a	r	l	o	c	k
19.3	35.3	52.2	64.1	72.2	86.6	102.2
1/2	M	I	L	E		
31.4	67.3	79.4	84.2	93.2		



12.0" Radius, 2.0" Border, White on Green;
 [EXIT] E Mod 2K 120% spacing;
 [120] E Mod 2K;
 12.0" Radius, 2.0" Border, White on Green;
 [Carlock] E Mod 2K; Arrow 160 - 35.0" 40°;
 Table of letter and object lefts.

E	X	I	T	1	2	O
34.0	43.1	54.3	58.5	80.9	89.1	104.4
C	a	r	l	o	c	k
19.3	35.3	52.2	64.1	72.2	86.6	102.2
↗						
51.4						



6.0" Radius, 1.3" Border, White on Green;
 [Illinois 117] E Mod 2K; [Peoria] E Mod 2K; [7] E Mod 2K;
 [26] E Mod 2K;

Table of letter and object lefts.

I	I	I	i	n	o	i	s	I	I	7
13.3	20.5	28.5	36.5	44.5	57.5	70.7	77.2	99.3	106.8	113.5

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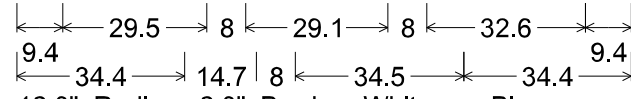
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GROUND MOUNTED SIGN DETAILS

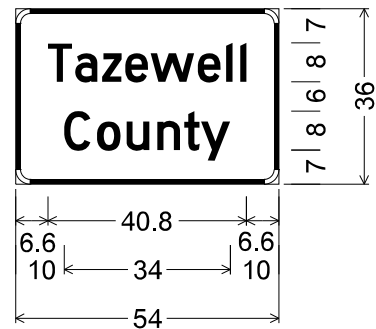
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16),17-90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLEAN	504	245
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			



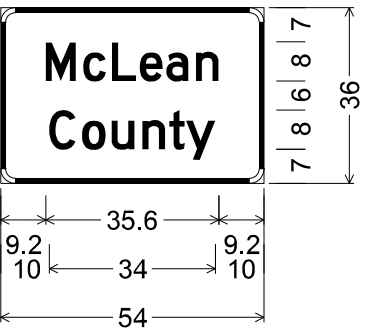
12.0" Radius, 2.0" Border, White on Blue;
 [REST AREA] E Mod 2K;
 [NEXT RIGHT] D 2K;
 12.0" Radius, 2.0" Border, White on Blue;
 [NEXT REST AREA] E Mod 2K;
 [52 MILES] E Mod 2K;
 Table of letter and object lefts.

R	E	S	T	A	R	E	A
10.7	23.0	34.0	45.5	66.4	80.7	92.9	103.1
N	E	X	T				
22.5	32.3	40.0	48.1				
R	I	G	H	T			
65.3	74.4	78.5	88.1	96.9			
N	E	X	T	R	E	S	T
9.4	18.1	25.2	33.0	46.9	55.1	62.4	70.1
A	R	E	A				
84.0	93.6	101.7	108.5				
5	2	M	I	L	E	S	
34.4	42.6	57.1	66.8	70.6	77.8	85.2	



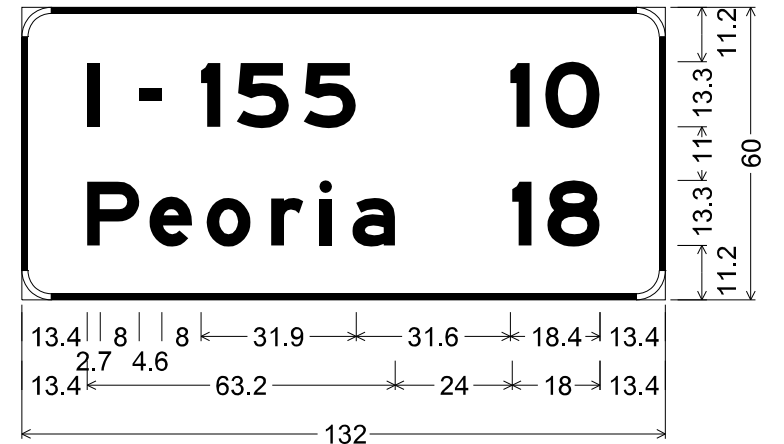
3.0" Radius, 1.0" Border, White on Green;
 [Tazewell] D 2K;
 [County] D 2K;
 Table of letter and object lefts.

T	a	z	e	w	e	l	l
6.6	12.2	17.8	22.5	27.7	37.4	43.2	46.1
C	o	u	n	t	y		
10.0	16.7	22.8	29.1	34.6	38.0		



3.0" Radius, 1.0" Border, White on Green;
 [McLean] D 2K;
 [County] D 2K;
 Table of letter and object lefts.

M	c	L	e	a	n
9.2	16.9	22.8	28.5	34.0	40.0
C	o	u	n	t	y
10.0	16.7	22.8	29.1	34.6	38.0



6.0" Radius, 1.3" Border, White on Green;
 [I - 155] E Mod 2K; [Peoria] E Mod 2K;
 [10] E Mod 2K; [18] E Mod 2K;
 Table of letter and object lefts.

I	-	1	5	5	1	0	
13.4	24.1	36.7	44.1	57.8	100.2	107.4	
P	e	o	r	i	a	1	8
13.4	26.2	37.9	51.1	61.0	67.8	100.6	107.8

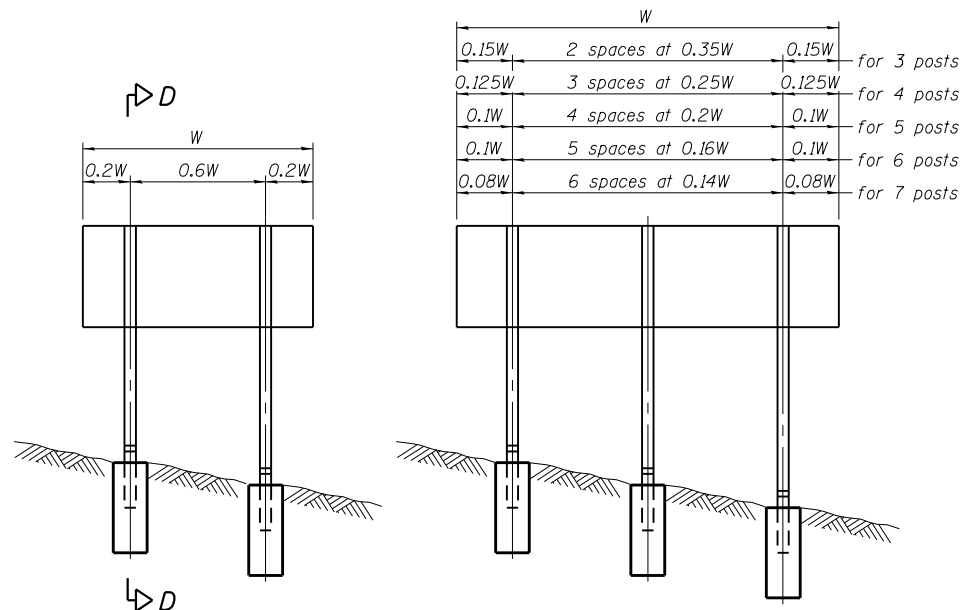
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USER NAME = oltmancr	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/5/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

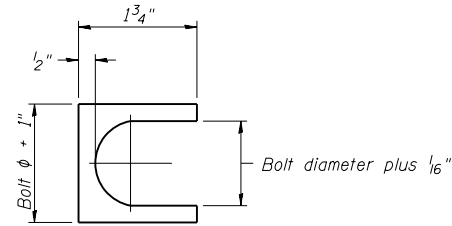
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16),17-90-15]RS-5; (57-17]RS-4	TAZEWELL/WOODFORD/MCLEAN	504	246
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			



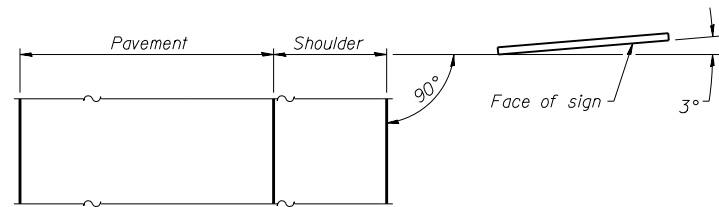
ELEVATION

Spacing	Number of Posts
0.15W (2 spaces at 0.35W)	for 3 posts
0.125W (3 spaces at 0.25W)	for 4 posts
0.1W (4 spaces at 0.2W)	for 5 posts
0.1W (5 spaces at 0.16W)	for 6 posts
0.08W (6 spaces at 0.14W)	for 7 posts

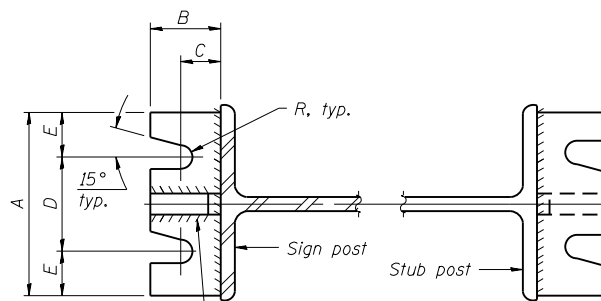


SHIM DETAIL

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

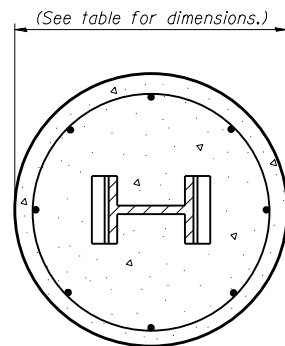


LOCATION SKETCH

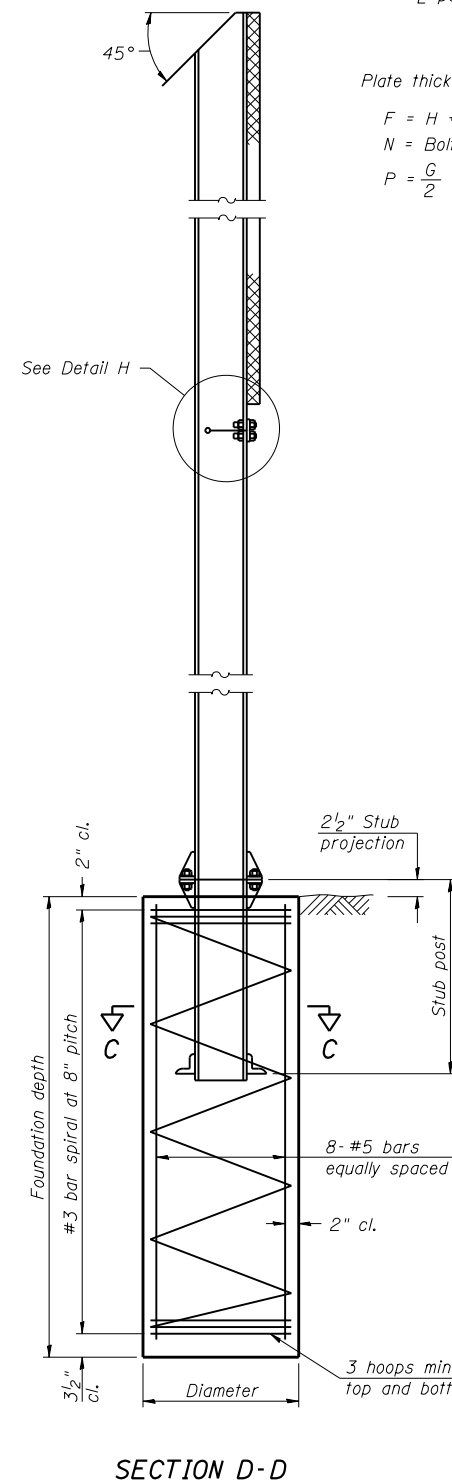


SECTION A-A

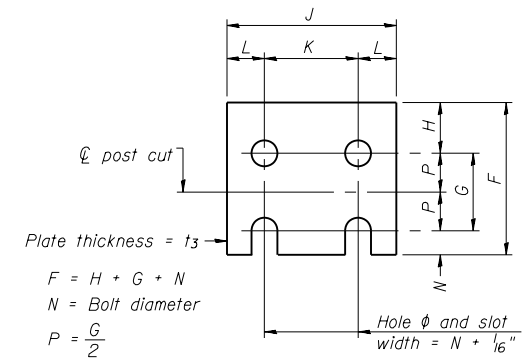
SECTION B-B



SECTION C-C



SECTION D-D

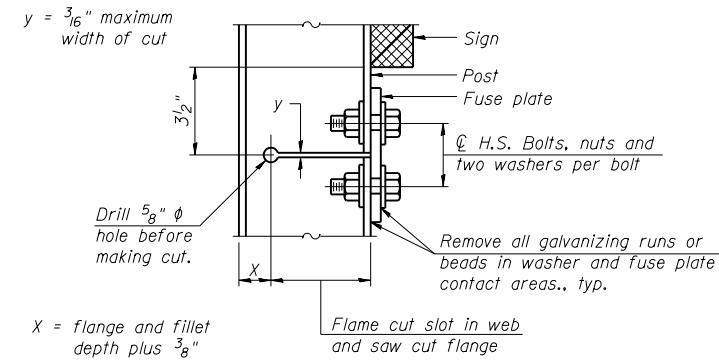


FUSE PLATE DETAIL

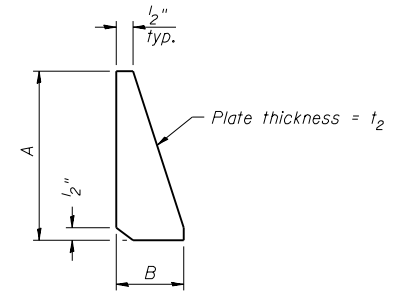
(Install with notches down.)

Plate thickness = t_3
 $F = H + G + N$
 $N = \text{Bolt diameter}$
 $P = \frac{G}{2}$

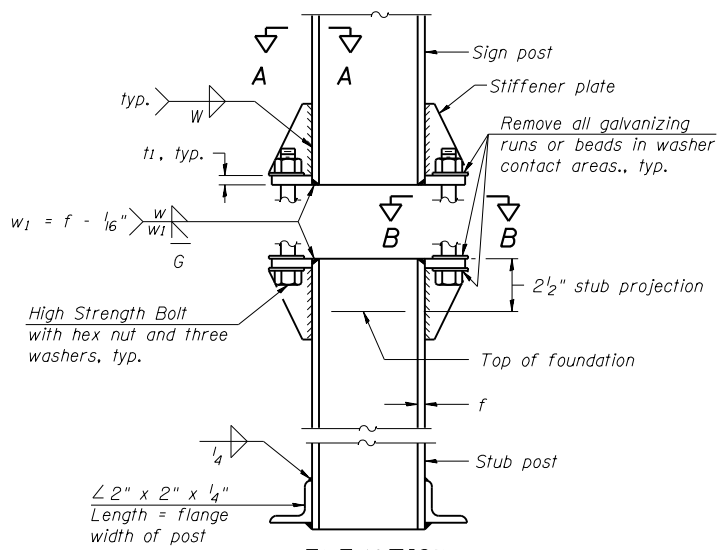
FUSE PLATE DATA		
N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"



DETAIL H



STIFFENER PLATE DETAIL



ELEVATION SIGN POST & STUB POST

GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
 Structural steel - 20,000 p.s.i.
 Reinforcing steel - 20,000 p.s.i.
 Concrete - 1,400 p.s.i.
 Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

BAW-A-1

6-1-12

(Sheet 1 of 2)

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USER NAME = altmanr	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 2/5/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BREAK-AWAY WIDE FLANGE
STEEL SIGN POST DETAILS**

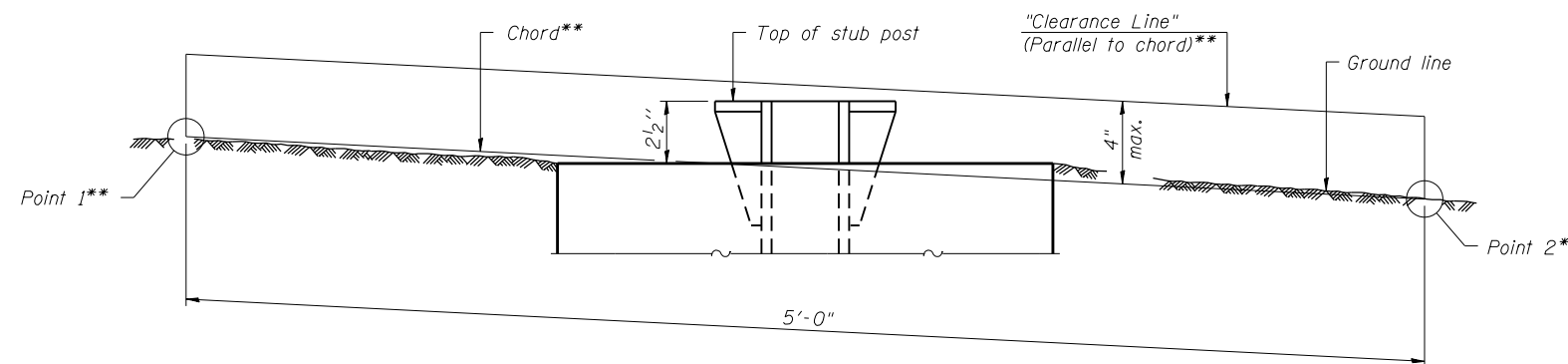
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16), 17-90-15)RS-5; (57-17)RS-4	TAZEWELLWOODFORD	504	247
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

POST	CONCRETE FOUNDATION TABLE								POST TO STUB POST CONNECTION DATA								FUSE PLATE DATA					
	Foundation			Reinforcement			Stub Post Length	Bolt Size	A	B	C	D	E	t ₁	t ₂	R	W	J	K	L	t ₃	
	Diameter	* Minimum Depth	Concrete (1) cu. yds.	Vertical Bars Length	Bar Spirals Diameter	Bar Spirals Length																lbs. (2)
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1/4"	4"	2 1/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1/4"	6"	3 1/2"	1 1/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	13/32"	5/16"	5 1/4"	2 3/4"	1 1/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	13/32"	5/16"	5 3/4"	2 3/4"	1 1/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	5 3/4"	2 3/4"	1 1/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	6 1/2"	3 1/2"	1 1/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	7"	3 1/2"	1 3/4"	1/2"

*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE																					
	Sign Height																					
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"	
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—	—	—	—	—	—	—	—	—	—	—	
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—	—	—	—	—	—	—	—	—	—	—	
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	—	—	—	—	—	—	—	—	
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	—	—	
W12x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	—	
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	—	—	—	—	—	
W14x38	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"
W16x45	—	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"



**ELEVATION
GROUND LINE & STUB POST**

** For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

- (1) Quantity includes all concrete necessary for one foundation.
- (2) Includes reinforcement bars and spiral hooping for one foundation.

USER NAME = oltmancr	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/5/2018	DATE -	REVISED -

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16), 17-90-15/RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLEAN	504	248
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

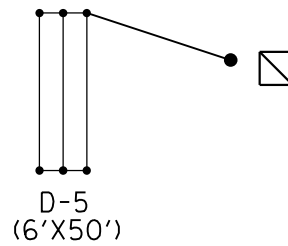
HIGHWAY STANDARDS	
STANDARD	APPLICATION
821101-02	LUMINAIRE WIRING DIAGRAM
830021-02	LIGHT POLE, STEEL TENON TOP
830026	TEMPORARY ROADWAY LIGHTING
836001-03	LIGHT POLE FOUNDATION
886001-01	DETECTOR LOOP INSTALLATIONS
886001-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

SCHEDULE OF QUANTITIES			IL 17 & US 150 GOODFIELD TRAFFIC SIGNALS	I-74 @ GOODFIELD (EXIT 32) OVERHEAD LIGHTING	I-74 @ CARLOCK (EXIT 40) OVERHEAD LIGHTING	I-74 @ EB MACKINAW DELLS REST AREA OVERHEAD LIGHTING	I-74 @ WB MACKINAW DELLS REST AREA OVERHEAD LIGHTING	CROSS OVER LIGHTING I-74 @ STA 961+00 TO 1011+00	CROSS OVER LIGHTING I-74 @ STA 1197+00 TO 1147+00	CROSS OVER LIGHTING I-74 @ STA 1461+00 TO 1568+00
ITEM DESCRIPTION	UNIT	TOTAL QTY.								
HANDHOLE, COMPOSITE CONCRETE	EACH	2.0		2.0						
UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA.	FOOT	1060.0		1060.0						
DETECTOR LOOP, TYPE I	FOOT	222.0	222.0							
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	48.0		12.0	12.0	12.0	12.0			
TEMPORARY LIGHTING SYSTEM	L SUM	1.0						0.33	0.33	0.34
RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE	EACH	6.0		6.0						

CONSTRUCTION NOTES	
1.	EXISTING UTILITY LOCATION INFORMATION IS NOT SHOWN ON THE PLAN SHEETS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES PRIOR TO THE INSTALLATION OF ANY COMPONENTS. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS AND TERRAIN PRIOR TO COMMENCING WORK ON THE PROJECT.
2.	THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
3.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
4.	ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
5.	THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03 UNLESS SPECIFIED OTHERWISE.
6.	ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
7.	ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATION.
8.	ANY MAINTENANCE OF EXISTING ELECTRICAL FACILITIES WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
9.	THE EXISTING LIGHTING SHALL REMAIN IN OPERATION DURING THE INSTALLATION OF THE PROPOSED LUMINAIRES.
10.	THE JUNCTION BOX SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.
11.	COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR UNDERGROUND PVC CONDUIT.
12.	POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE CONDUIT PAY ITEM.
13.	NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN THE REQUIRED MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
14.	THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
15.	REMOVAL OF EXISTING ITEMS (LUMINAIRES, WIRING, ETC.) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES FOR THE PROPOSED ITEMS.
16.	THE CONTRACTOR SHALL FURNISH AND INSTALL NEW FUSEHOLDERS, FUSES, SURGE ARRESTORS, AND LUMINAIRE WIRING. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM FOR THE PROPOSED LUMINAIRES.
17.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING FIELD CONDITIONS (LUMINAIRE VOLTAGES, WATTAGES, ETC.) PRIOR TO SUBMITTING CATALOG CUTS FOR AND PROCURING EQUIPMENT.



US 150 (PEORIA ST.)

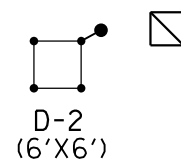


BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
DETECTOR LOOP, TYPE I	FOOT	222.0

DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE			
IL 17 & US 150 - GOODFIELD			
DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.
D-2	6' X 6'	24	6
D-5	6' X 50' QUAD	162	30
TOTAL:		186	36

DETECTOR LOOP INSTALLATION - CONSTRUCTION NOTES	
1.	DETECTOR LOOP REPLACEMENT QUANTITIES ARE ESTIMATED. THE CONTRACTOR SHALL ONLY REPLACE THE DETECTOR LOOPS THAT ARE DAMAGED BY THE MILLING PROCESS.
2.	A TYPE II SPLICE SHALL BE USED FOR ALL DETECTOR LEAD-INS.
3.	ALL DETECTOR LOOPS SHALL BE PLACED BACK INTO THEIR ORIGINAL LOCATIONS.
4.	THE PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE MILLED SURFACE OR LEVELING BINDER COURSE BEFORE THE FINAL OVERLAY.
5.	ALL LOOP RISERS AFFECTED BY THE MILLING OPERATIONS SHALL BE REFLECTED THROUGH THE NEW SURFACE AND ALL LOOP RISERS SHALL BE CHIPPED OUT AND FILLED WITH EPOXY.
6.	THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC, BEN TELLEFSON, AT (309) 671-4477 FORTY-EIGHT HOURS PRIOR TO BEGINNING MILLING OR PATCHING OPERATIONS.
7.	THESE ITEMS SHALL BE INCLUDED IN THE BID PRICE FOR DETECTOR LOOP, TYPE I PAY ITEM. THERE WILL BE NO ADDITIONAL COMPENSATION.

IL 117 (EUREKA ST.)



TRAFFIC SIGNAL LEGEND	
	EX. HANDHOLE
	EX. CONDUIT
	EX. DETECTOR LOOP (QUAD)
	EX. DETECTOR LOOP (6' X 6')
	EX. CONTROLLER CABINET (SIGNAL)
	EX. DETECTOR LOOP RISER

FILE NAME =	USER NAME = altmanor	DESIGNED -	REVISED -
S:\GEN\WINWORD\STD&PLNS\Squad02\68A79\	DRAFTS\04-68A79 - I-74 Rubblization Traffic	DRAWN and Lighting (Final 2-1-18).dgn	REVISED -
	PLOT SCALE = 38.0588 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT
US 150 (PEORIA ST.) & IL 17 (EUREKA ST.) - GOODFIELD**

SCALE: STA. TO STA.

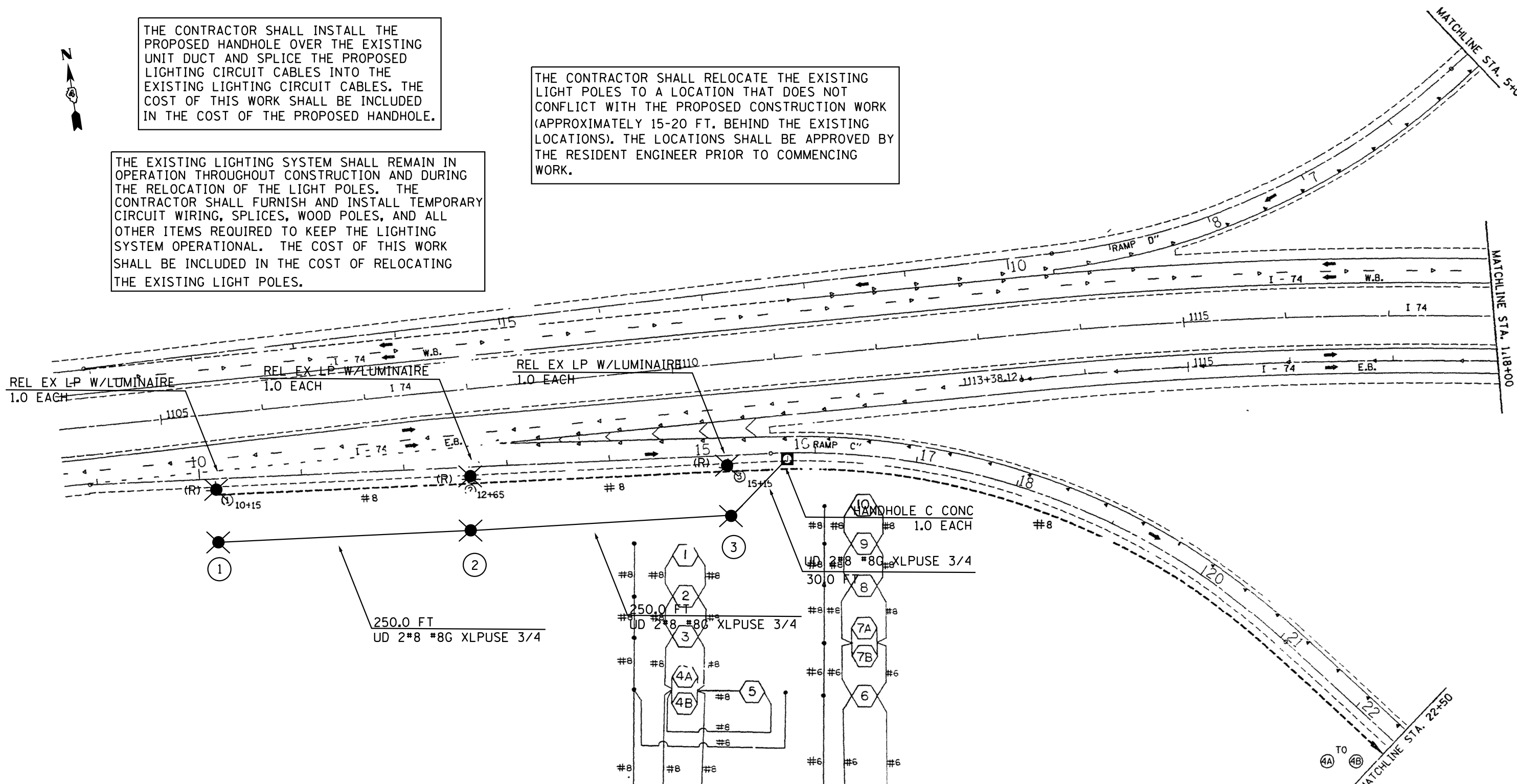
F.A.I. RTE.	SECTION	COUNTIES	TOTAL SHEETS	SHEET NO.
74	(X3-16,17,90-15) RS-5,(57-17)RS-4	MCLEAN, LAZEWELL, WOODFORD	504	250
CONTRACT NO. 68A79				
FAP 702(IL 117) ILLINOIS FED. AID PROJECT				



THE CONTRACTOR SHALL INSTALL THE PROPOSED HANDHOLE OVER THE EXISTING UNIT DUCT AND SPLICE THE PROPOSED LIGHTING CIRCUIT CABLES INTO THE EXISTING LIGHTING CIRCUIT CABLES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED HANDHOLE.

THE EXISTING LIGHTING SYSTEM SHALL REMAIN IN OPERATION THROUGHOUT CONSTRUCTION AND DURING THE RELOCATION OF THE LIGHT POLES. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY CIRCUIT WIRING, SPLICES, WOOD POLES, AND ALL OTHER ITEMS REQUIRED TO KEEP THE LIGHTING SYSTEM OPERATIONAL. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF RELOCATING THE EXISTING LIGHT POLES.

THE CONTRACTOR SHALL RELOCATE THE EXISTING LIGHT POLES TO A LOCATION THAT DOES NOT CONFLICT WITH THE PROPOSED CONSTRUCTION WORK (APPROXIMATELY 15-20 FT. BEHIND THE EXISTING LOCATIONS). THE LOCATIONS SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO COMMENCING WORK.



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	3.0
RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE	EACH	3.0

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
HANDHOLE, COMPOSITE CONCRETE	EACH	1.0
UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA.	FOOT	530.0
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	3.0
RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE	EACH	3.0

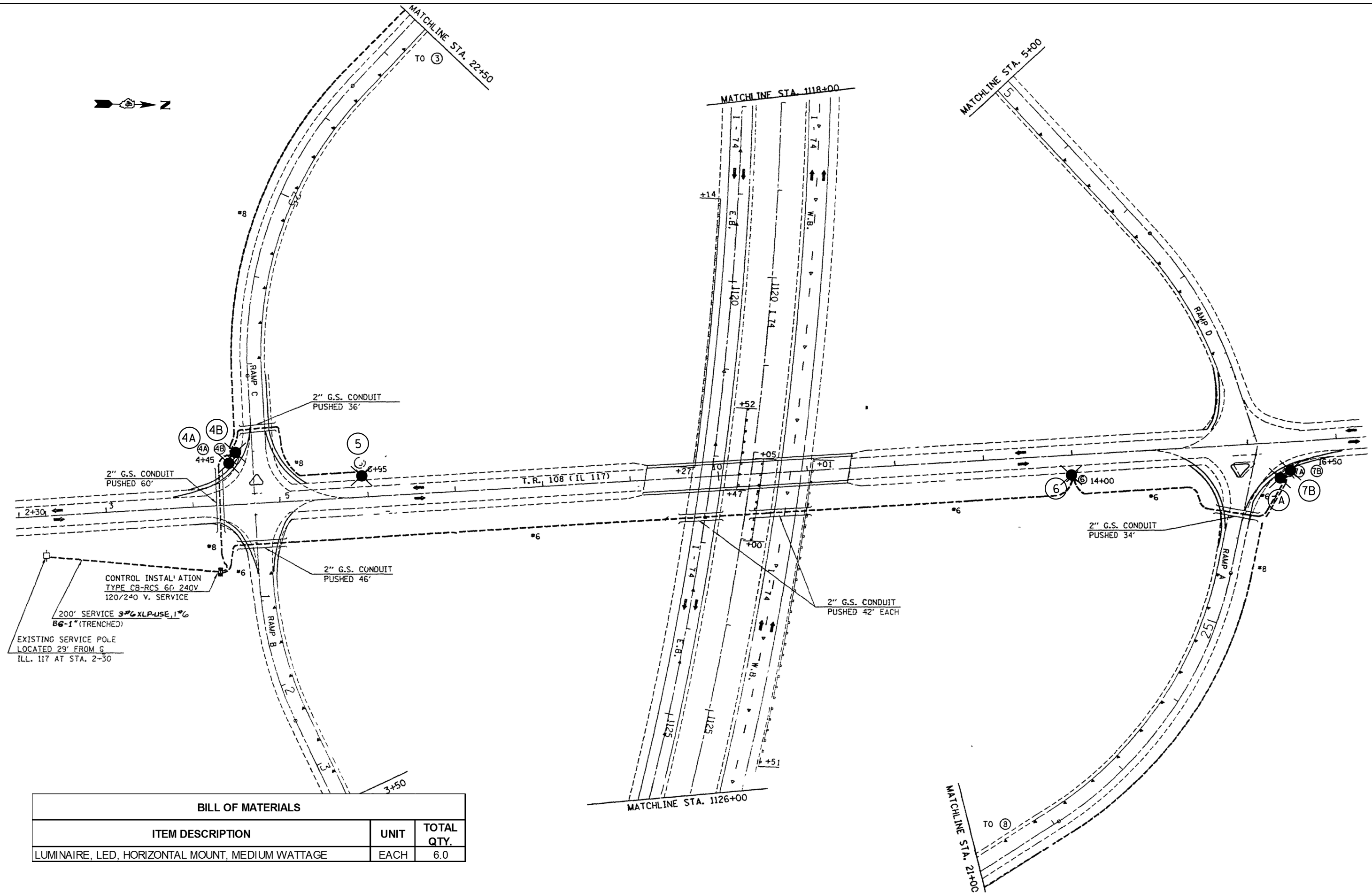
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	PLOT DATE = 2/5/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LED LUMINAIRE INSTALLATION
I-74 & GOODFIELD INTERCHANGE (EXIT 112)

SCALE: STA. TO STA.

F.A.I. RTE.	SECTION	COUNTIES	TOTAL SHEETS	SHEET NO.
74	(X3-16,17,90-15) RS-5,(57-17)RS-4	MCLEAN, LAZEWELL, WOODFORD	504	251
CONTRACT NO. 68A79				
FAP 702(IL 117) ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	6.0

FILE NAME =	USER NAME = altmanor	DESIGNED -	REVISED -
S:\GEN\WINWORD\STD\PLNS\Squad02\68A79\DRAPTS\04-68A79 - I-74 Rubblization Traffic		DRAWN and Lighting (Final 2-1-18).dgn	REVISED -
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	PLOT DATE = 2/5/2018	DATE -	REVISED -

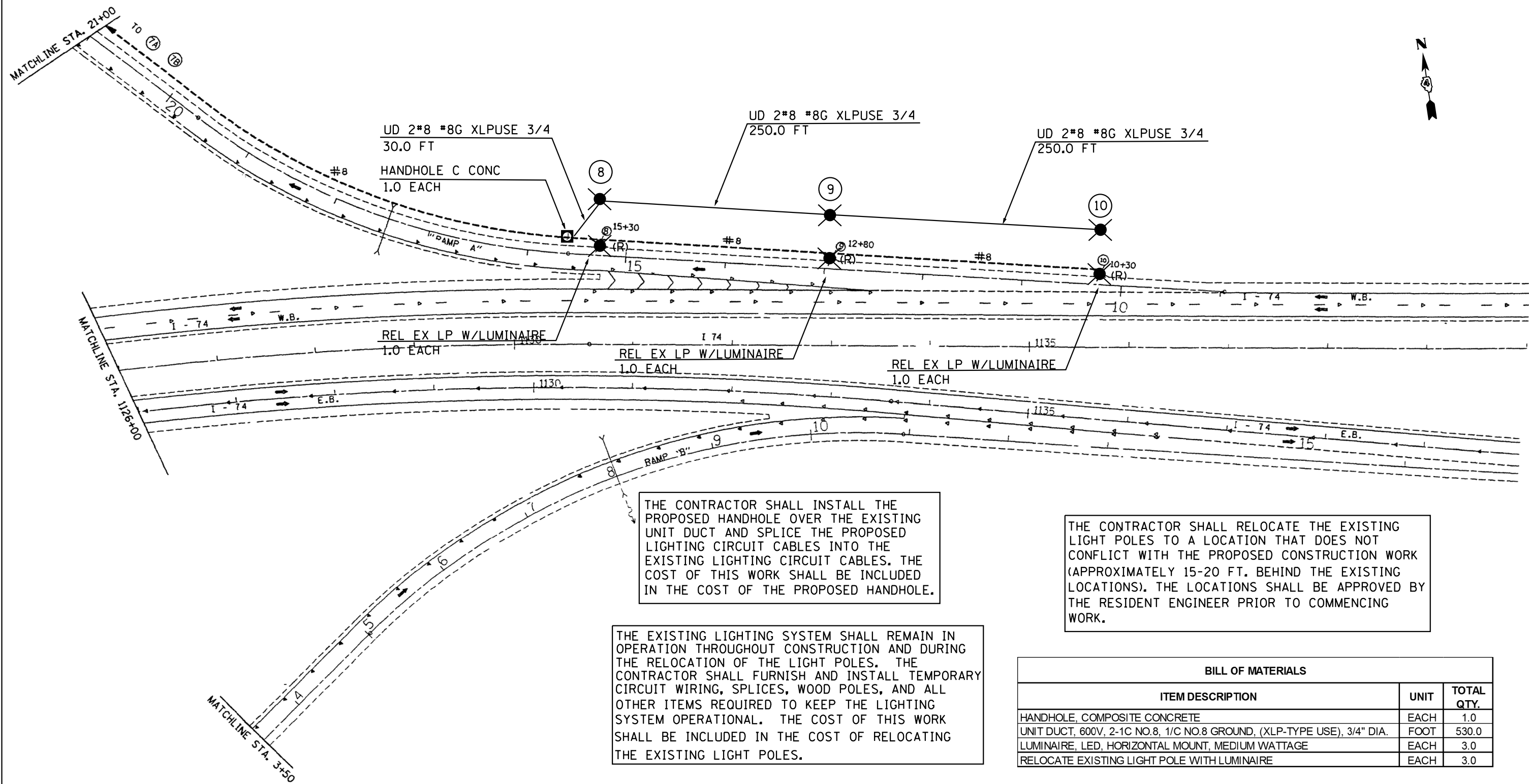
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LED LUMINAIRE INSTALLATION
I-74 & GOODFIELD INTERCHANGE (EXIT 112)**

SCALE: _____ STA. TO STA. _____

F.A.I. RTE.	SECTION	COUNTIES	TOTAL SHEETS	SHEET NO.
74	(X3-16,17,90-15) RS-5,(57-17)RS-4	MCCLEAN, LAZEWELL, WOODFORD	504	252
FAP 702(IL 117) ILLINOIS FED. AID PROJECT				

CONTRACT NO. 68A79



THE CONTRACTOR SHALL INSTALL THE PROPOSED HANDHOLE OVER THE EXISTING UNIT DUCT AND SPLICE THE PROPOSED LIGHTING CIRCUIT CABLES INTO THE EXISTING LIGHTING CIRCUIT CABLES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED HANDHOLE.

THE CONTRACTOR SHALL RELOCATE THE EXISTING LIGHT POLES TO A LOCATION THAT DOES NOT CONFLICT WITH THE PROPOSED CONSTRUCTION WORK (APPROXIMATELY 15-20 FT. BEHIND THE EXISTING LOCATIONS). THE LOCATIONS SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO COMMENCING WORK.

THE EXISTING LIGHTING SYSTEM SHALL REMAIN IN OPERATION THROUGHOUT CONSTRUCTION AND DURING THE RELOCATION OF THE LIGHT POLES. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY CIRCUIT WIRING, SPLICES, WOOD POLES, AND ALL OTHER ITEMS REQUIRED TO KEEP THE LIGHTING SYSTEM OPERATIONAL. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF RELOCATING THE EXISTING LIGHT POLES.

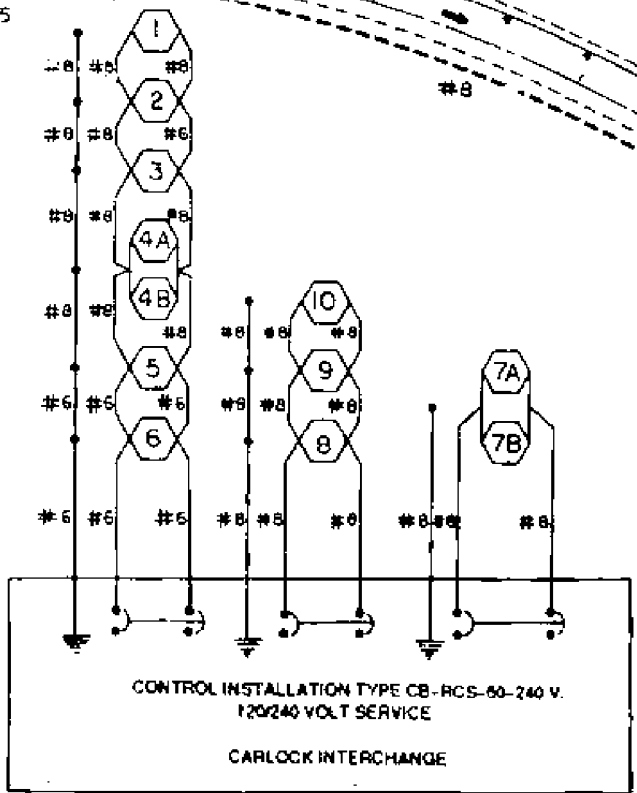
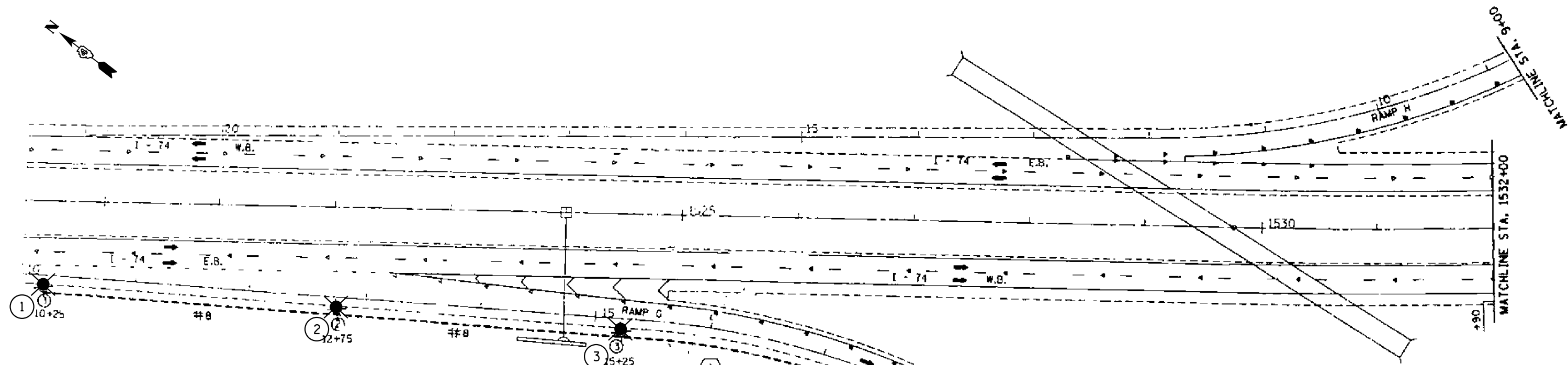
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
HANDHOLE, COMPOSITE CONCRETE	EACH	1.0
UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA.	FOOT	530.0
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	3.0
RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE	EACH	3.0

FILE NAME =	USER NAME = altmanor	DESIGNED -	REVISED -
S:\GEN\WINWORD\STD\PLNS\Squad02\68A79\DRF\TS\04-68A79 - I-74 Rubbelization Traffic and Lighting (Final 2-1-18).dgn		DRAWN and	REVISED -
PLOT SCALE = 38.0588' / in.	CHECKED -		REVISED -
PLOT DATE = 2/5/2018	DATE -		REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LED LUMINAIRE INSTALLATION
I-74 & GOODFIELD INTERCHANGE (EXIT 112)**

F.A.I. RTE.	SECTION	COUNTIES	TOTAL SHEETS	SHEET NO.
74	(X3-16,17,90-15) RS-5,(57-17)RS-4	MCCLEAN, LAZEWELL, WOODFORD	504	253
CONTRACT NO. 68A79				
FAP 702 (IL 117) ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	3.0

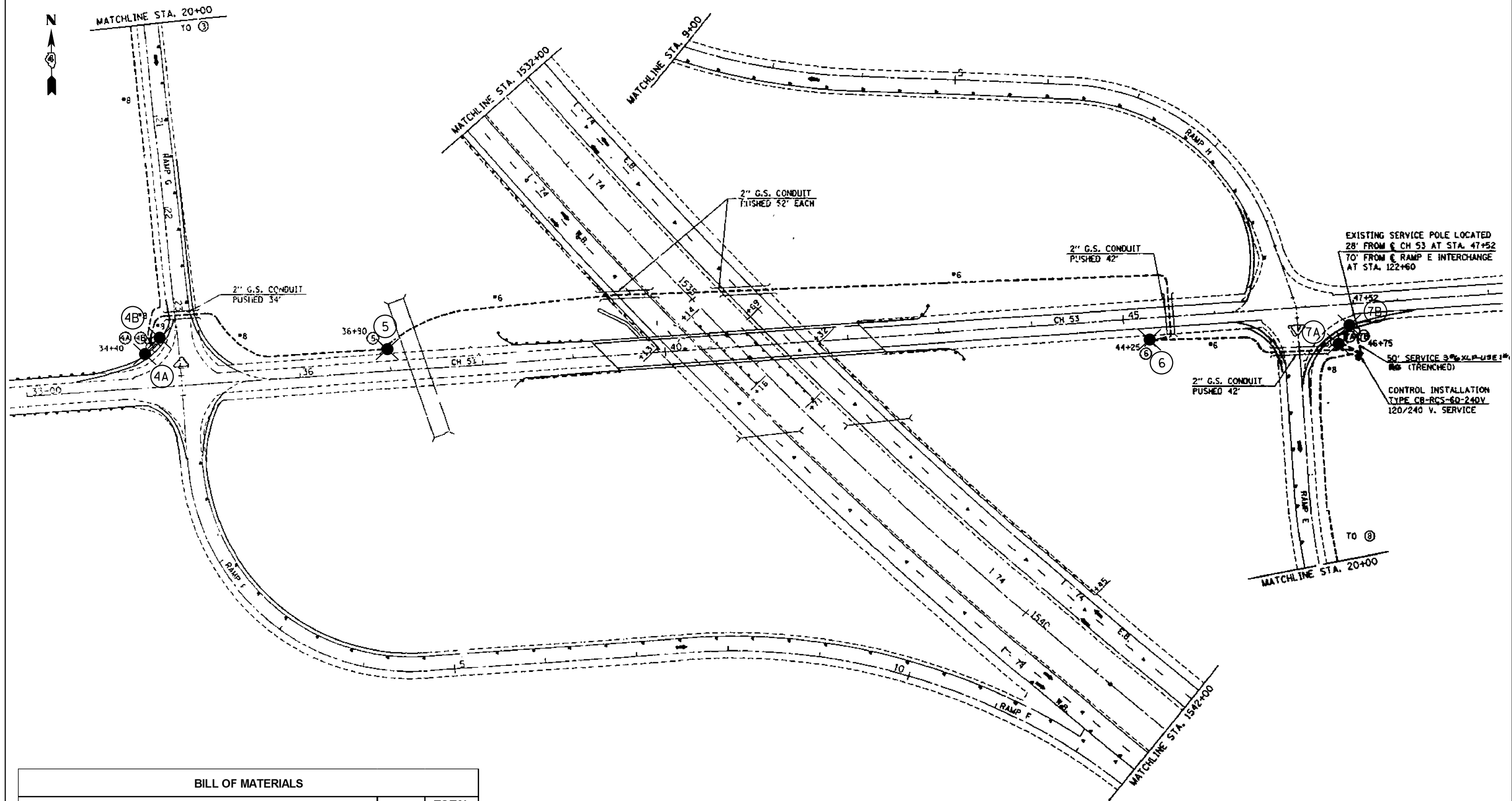
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	PLOT SCALE = 38.0588' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LED LUMINAIRE INSTALLATION
I-74 & CARLOCK INTERCHANGE (EXIT 120)**

SCALE: _____ STA. TO STA. _____

F.A.I. RTE.	SECTION	COUNTIES	TOTAL SHEETS	SHEET NO.
74	(X3-16,17,90-15) RS-5,(57-17)RS-4	MCLEAN, LAZEWELL, WOODFORD	504	254
CONTRACT NO. 68A79				
FAP 702 (IL 117) ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	6.0

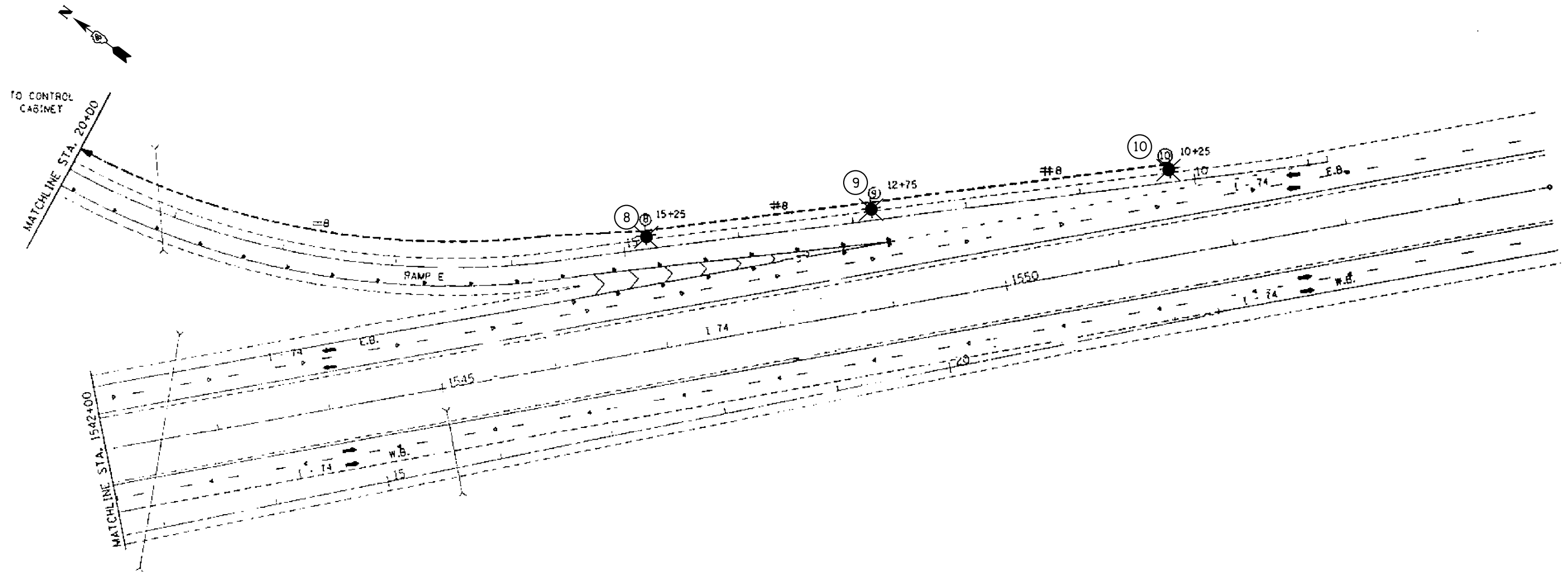
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PLOT SCALE = 38.0588 ' / in.	CHECKED -		REVISED -
PLOT DATE = 2/5/2018	DATE -		REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LED LUMINAIRE INSTALLATION
I-74 & CARLOCK INTERCHANGE (EXIT 120)**

SCALE: _____ STA. TO STA. _____

F.A.I. RTE.	SECTION	COUNTIES	TOTAL SHEETS	SHEET NO.
74	(X3-16,17,90-15) RS-5,(57-17)RS-4	MCLEAN, LAZEWELL, WOODFORD	504	255
CONTRACT NO. 68A79				
FAP 702 (IL 117) ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	3.0

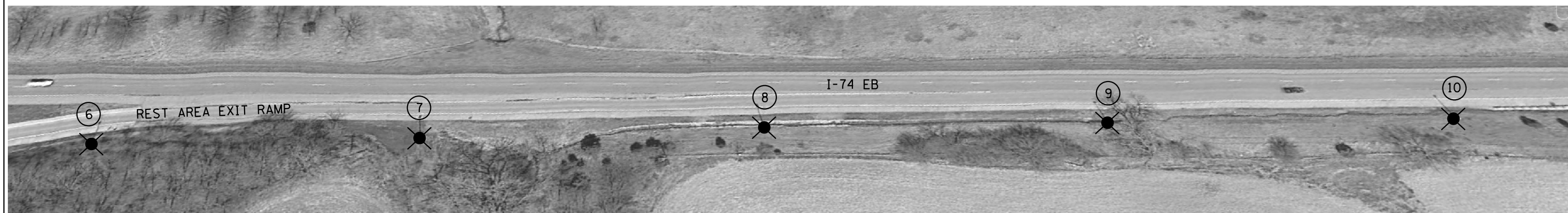
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PLOT DATE = 2/5/2018			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LED LUMINAIRE INSTALLATION
I-74 & CARLOCK INTERCHANGE (EXIT 120)**

SCALE: _____ STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTIES	TOTAL SHEETS	SHEET NO.
74	(X3-16,17,90-15) RS-5,(57-17)RS-4	MCCLEAN, LAZEWELL, WOODFORD	XX	256
CONTRACT NO. 68A79				
FAP 702(IL 117) ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS

ITEM DESCRIPTION	UNIT	TOTAL QTY.
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	12.0

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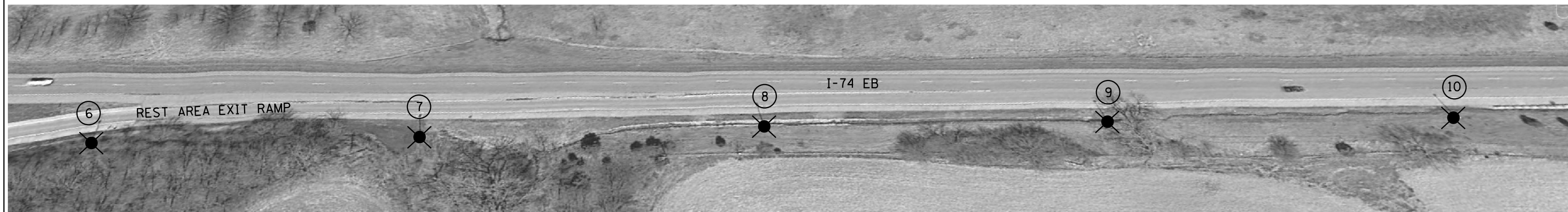
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LED LUMINAIRE INSTALLATION
I-74 WB AT MACKINAW DELLS REST AREA**

SCALE: STA. TO STA.

F.A.I. RTE.	SECTION	COUNTIES	TOTAL SHEETS	SHEET NO.
74	(X3-16,17,90-15) RS-5,(57-17)RS-4	MCLEAN, LAZEWELL, WOODFORD	504	257
FAP 702 (IL 117) ILLINOIS FED. AID PROJECT				

CONTRACT NO. 68A79



BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	12.0

FILE NAME = S:\GEN\WINWORD\STD&PLNS\Squad02\68A79\	USER NAME = oltmancr	DESIGNED -	REVISED -
DRAFTS\04-68A79 - I-74 Rubblization Traffic		DRAWN and Lighting (Final 2-1-18).dgn	REVISED -
PLOT SCALE = 38.0568' / in.	CHECKED -		REVISED -
PLOT DATE = 2/5/2018	DATE -		REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

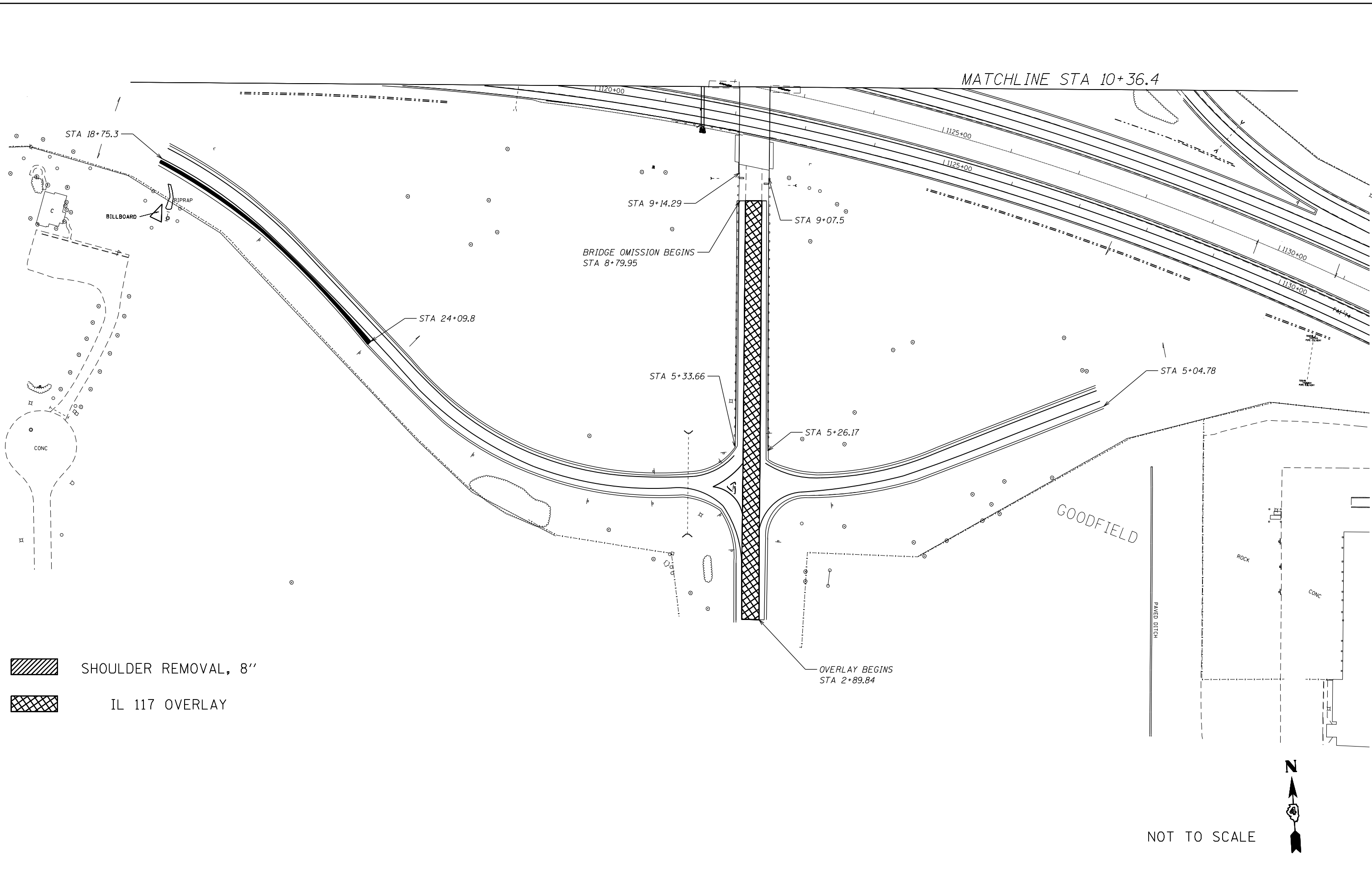
**PROPOSED LED LUMINAIRE INSTALLATION
I-74 WB AT MACKINAW DELLS REST AREA**



SCALE: _____ STA. _____ TO STA. _____

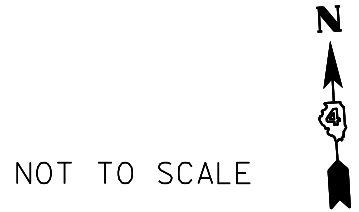
F.A.I. RTE.	SECTION	COUNTIES	TOTAL SHEETS	SHEET NO.
74	(X3-16,17,90-15) RS-5,(57-17)RS-4	MCLEAN, LAZEWELL, WOODFORD	504	258
FAP 702(IL 117) ILLINOIS FED. AID PROJECT				

CONTRACT NO. 68A79

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 SHOULDER REMOVAL, 8"
 IL 117 OVERLAY



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	DRAWN -	REVISED -
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PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

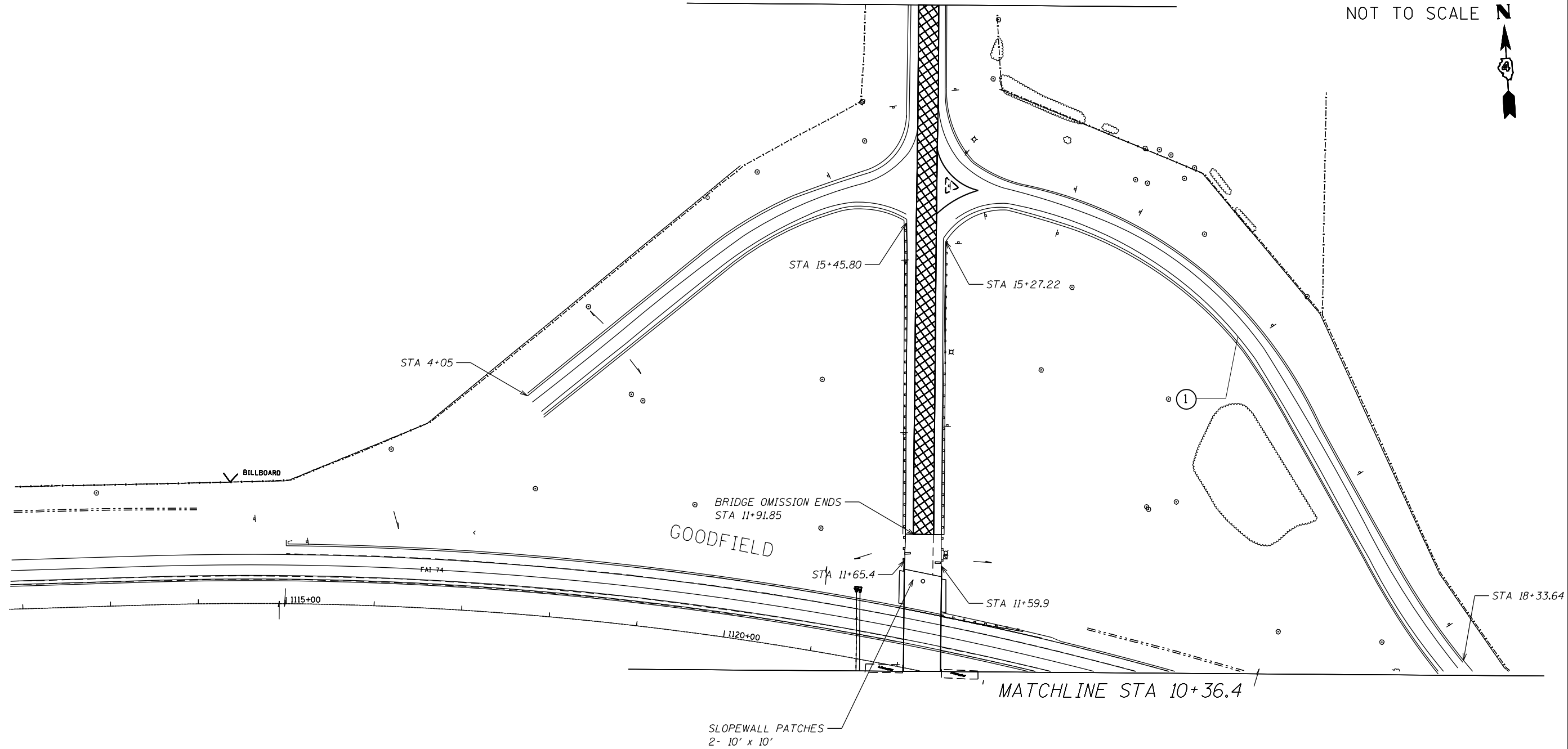
**IL 117 OVERLAY AND RAMP
 SHOULDER REPAIR**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17;90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLEAN	504	259
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS	FED. AID PROJECT		

MATCHLINE STA 17+94.33

NOT TO SCALE



IL 117 OVERLAY

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

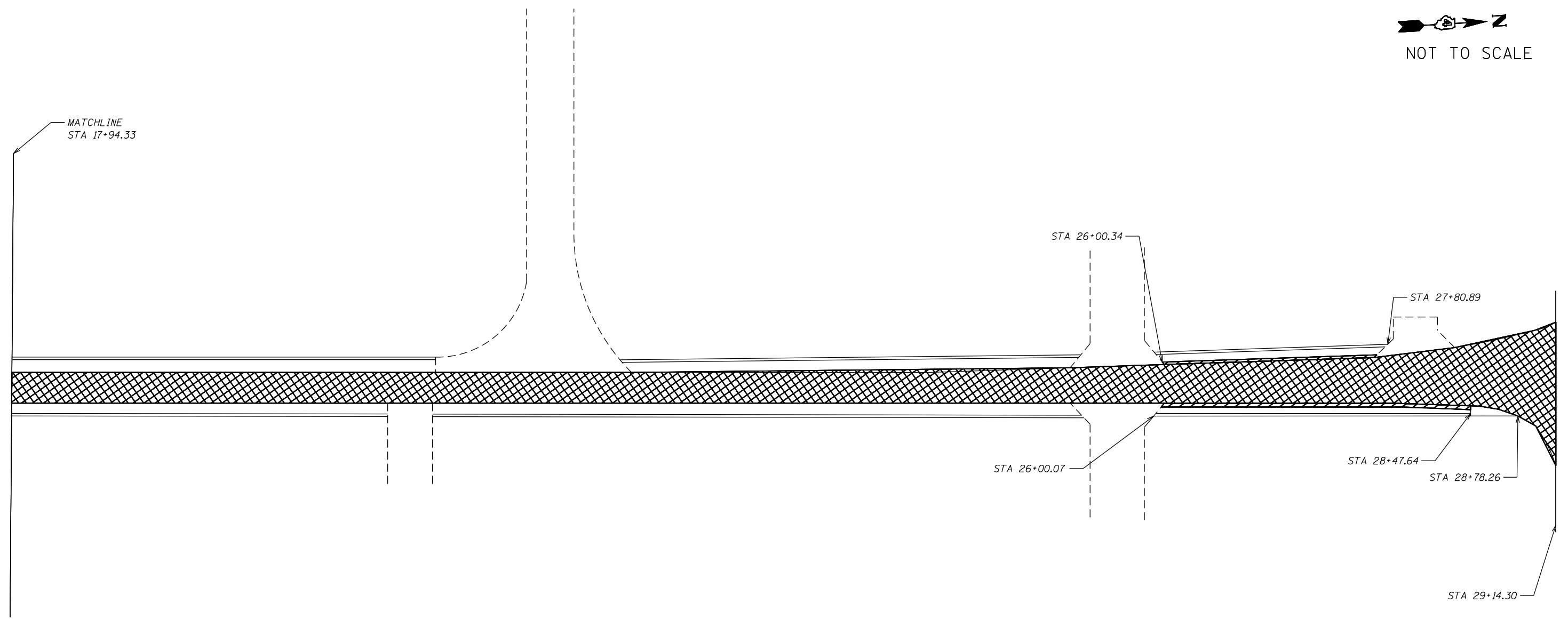
**IL 117 OVERLAY AND RAMP
SHOULDER REPAIR**



SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17;90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD MCCLEAN	504	260
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			



NOT TO SCALE



-  SHOULDER REMOVAL, 8''
-  IL 117 OVERLAY

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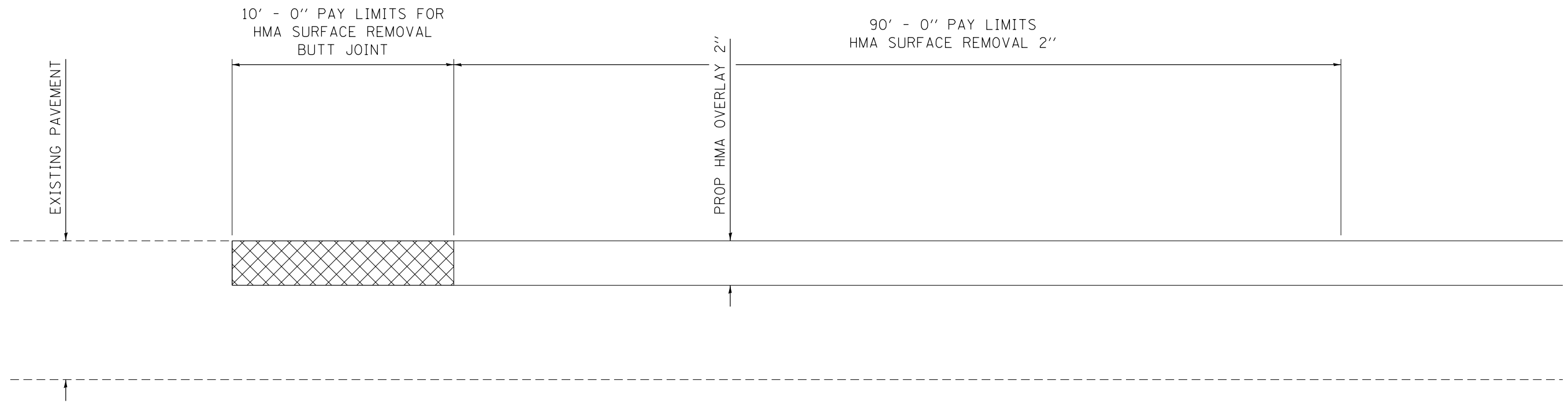
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PLOT DATE = 2/5/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 117 OVERLAY AND RAMP
SHOULDER REPAIR

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17;90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLEAN	504	261
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			



I-74 BUTT JOINT DETAIL - MAINLINE BEGINING AND END OF PROJECT
 STA 970+00 TO 971+00
 STA 1555+00 TO 1556+00

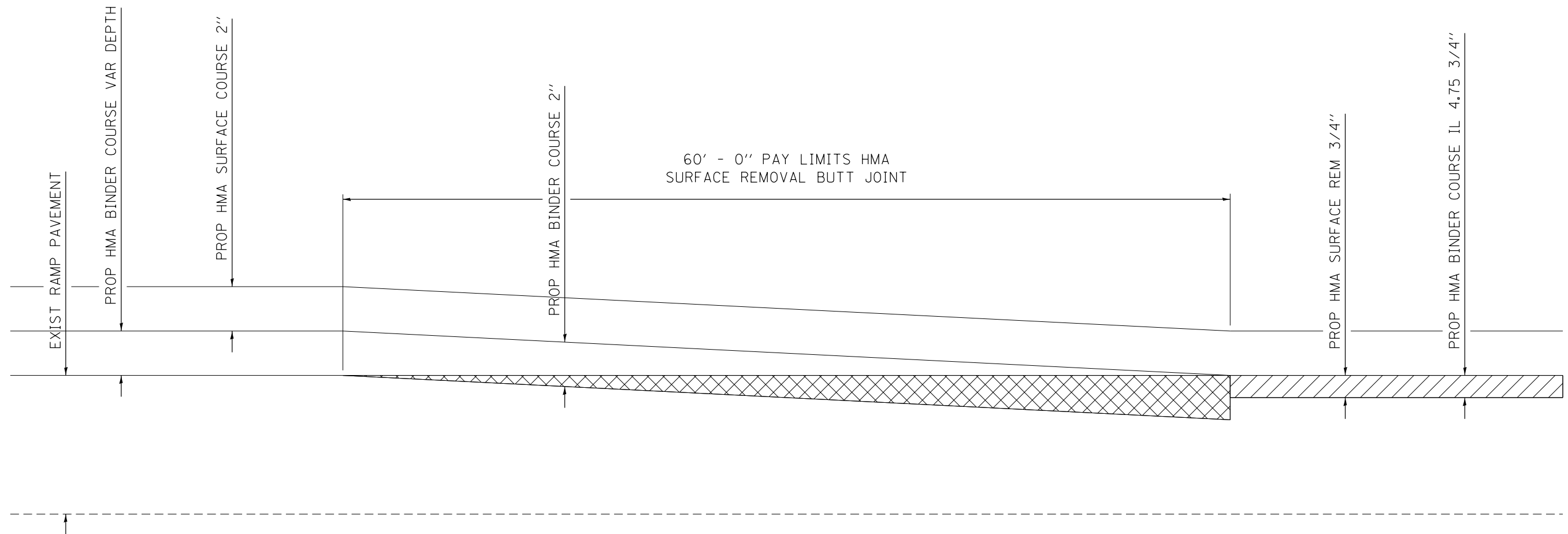
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BUTT JOINT DETAIL #1

SCALE: SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16),17-90-15/RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLEAN	504	262
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			



I-74 BUTT JOINT DETAIL - GOODFIELD INTERCHANGE RAMP BUILD-UP
 RAMP A: STA 19+90 TO 20+50
 RAMP B: STA 4+00 TO 4+60
 RAMP C: STA 22+40 TO 23+00
 RAMP D: STA 5+00 TO 5+60

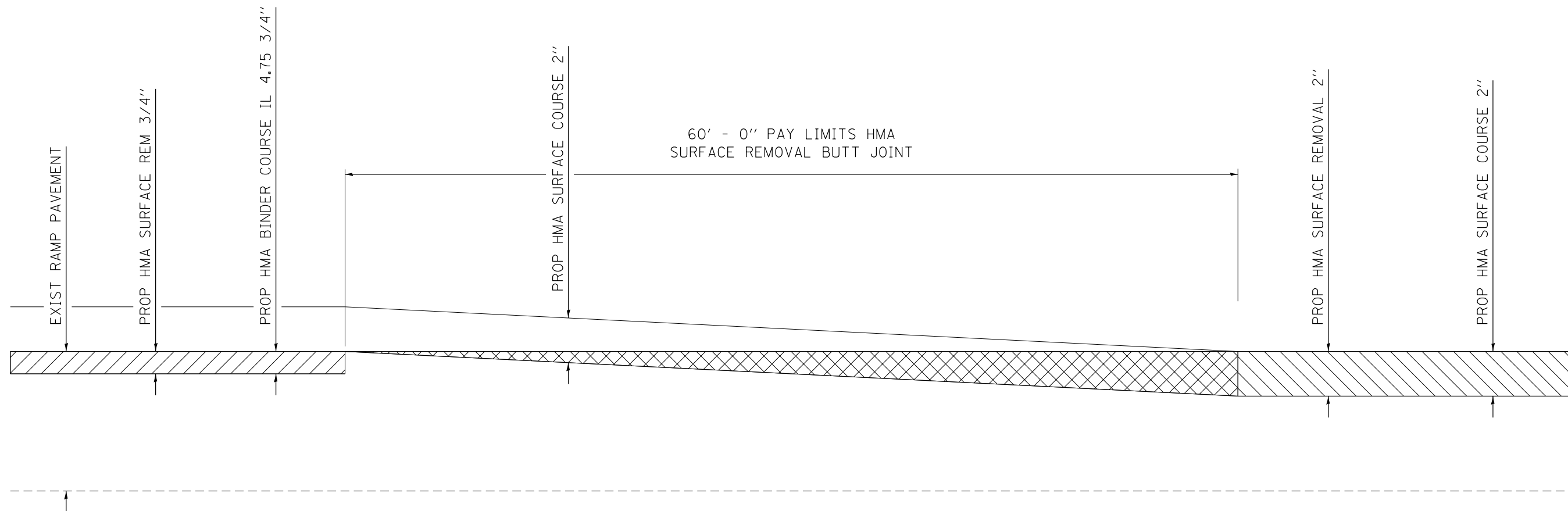
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	PLOT DATE = 2/5/2018		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BUTT JOINT DETAIL #2

SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16),17-90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLEAN	504	263
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			



I-74 BUTT JOINT DETAIL - GOODFIELD INTERCHANGE RAMP OVERLAY
 RAMP A: STA 25+00 TO 25+60
 RAMP B: STA 1+40 TO 2+00
 RAMP C: STA 27+00 TO 27+60
 RAMP D: STA 1+40 TO 2+00

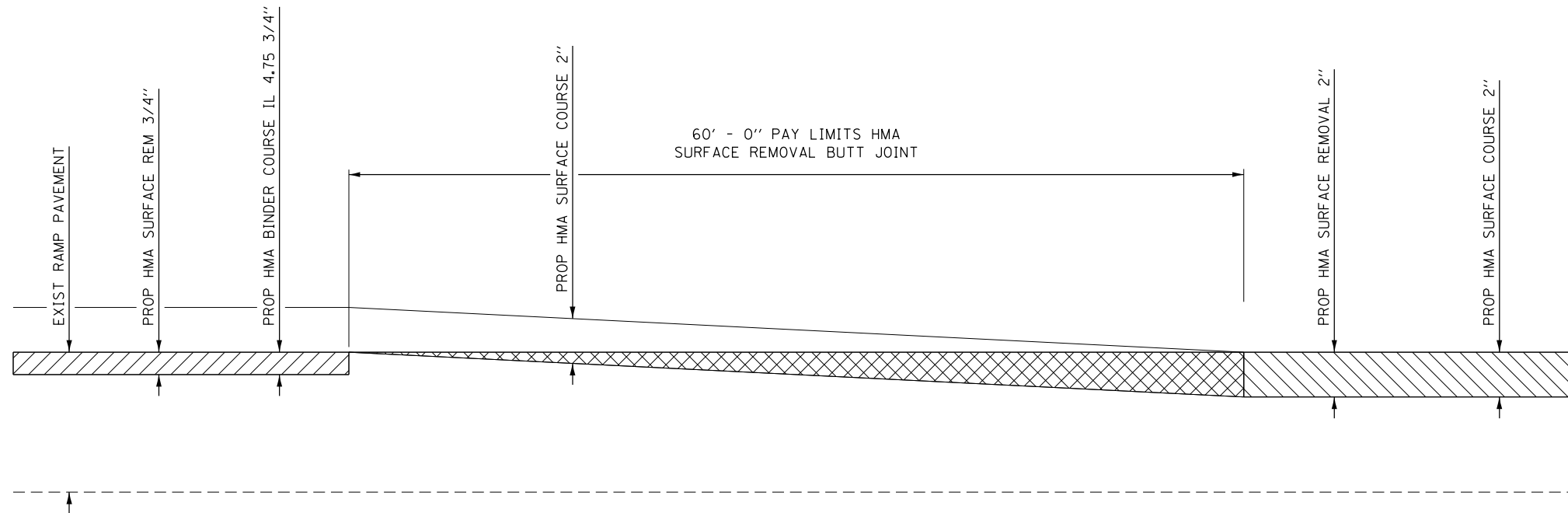
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

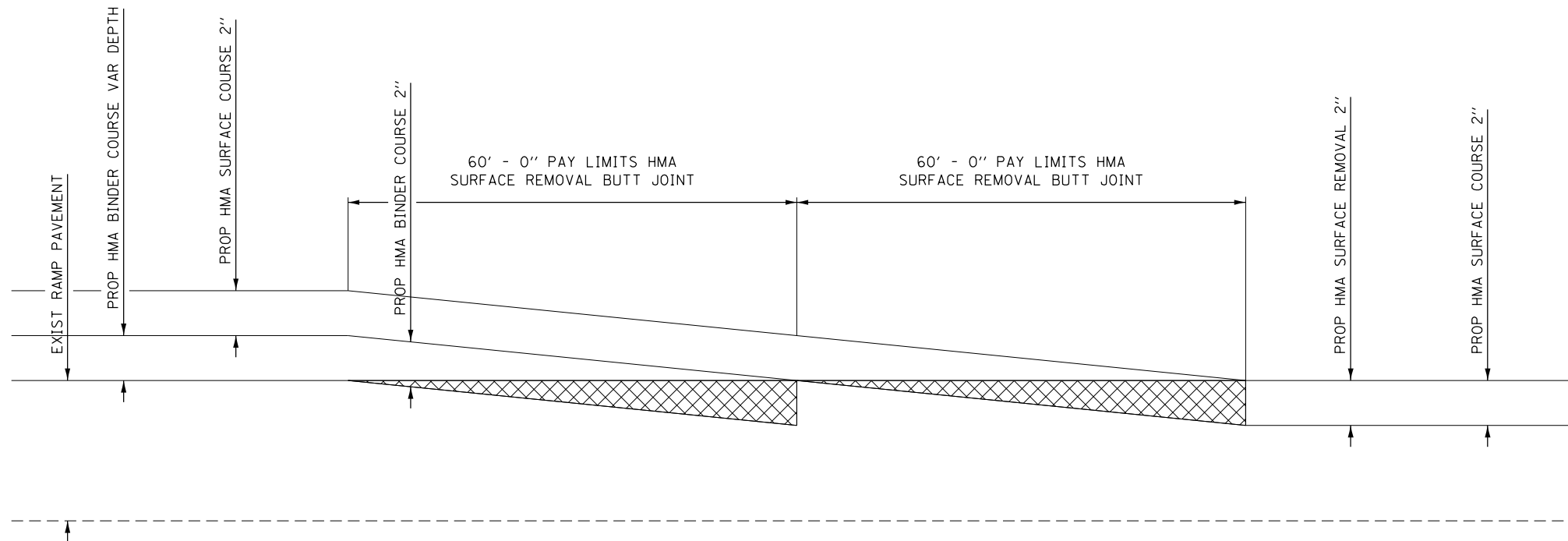
BUTT JOINT DETAIL #3

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16),17-90-15/RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLEAN	504	264
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			



I-74 BUTT JOINT DETAIL - CARLOCK INTERCHANGE RAMP OVERLAY
 RAMP E: STA 21+00 TO 21+60
 RAMP F: STA 1+00 TO 1+60
 RAMP G: STA 22+40 TO 23+00
 RAMP H: STA 1+00 TO 1+60



I-74 BUTT JOINT DETAIL - WESTBOUND REST AREA ENTRANCE RAMP AND EASTBOUND ENTRANCE RAMP
 WESTBOUND ENTRANCE RAMP
 SURFACE: STA 28+40 TO 29+00
 BUILD-UP: STA 29+00 TO 29+60
 EASTBOUND ENTRANCE RAMP
 SURFACE: STA 18+90 TO 19+50
 BUILD-UP: STA 18+30 TO 18+90

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

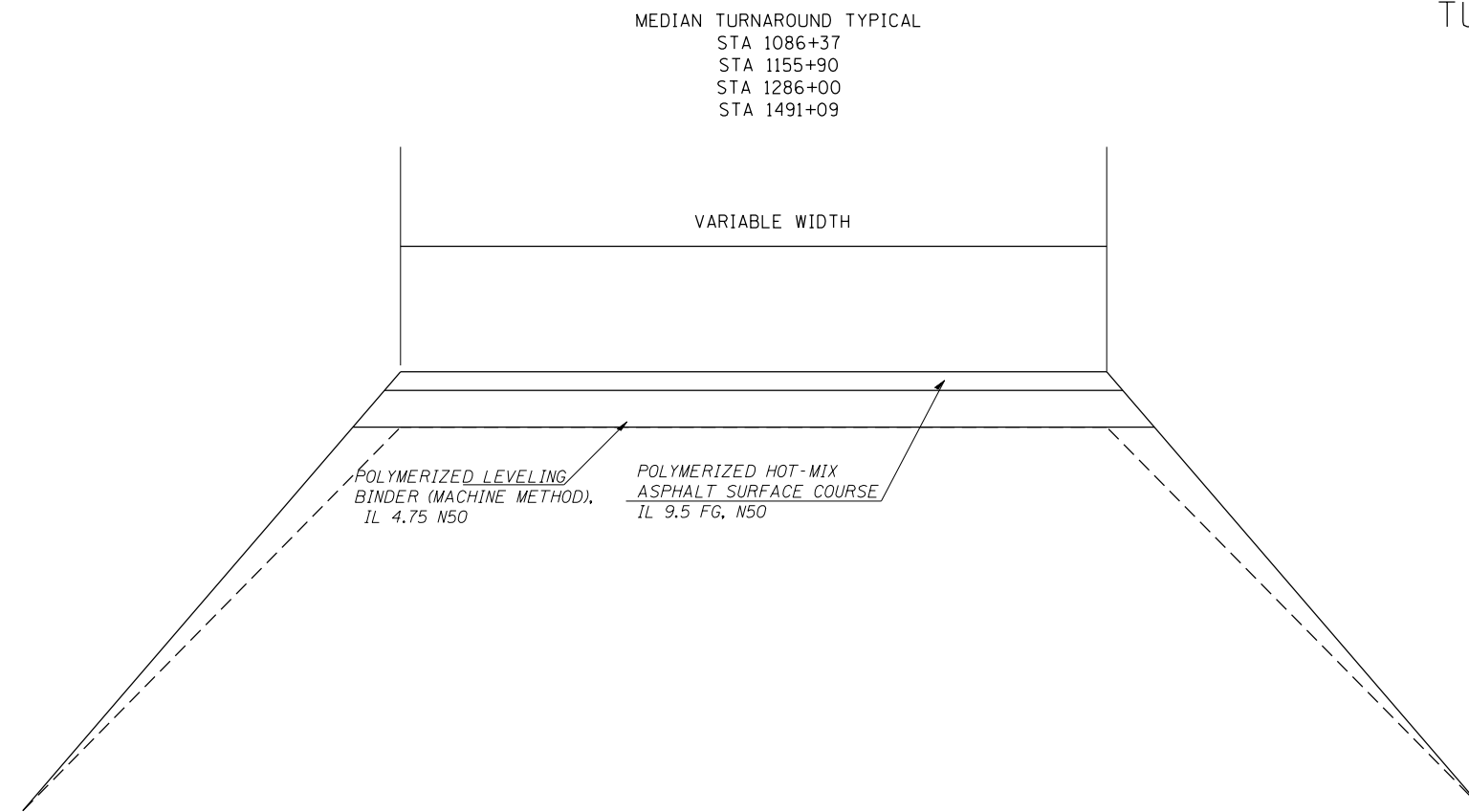
BUTT JOINT DETAIL #4 AND #5

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

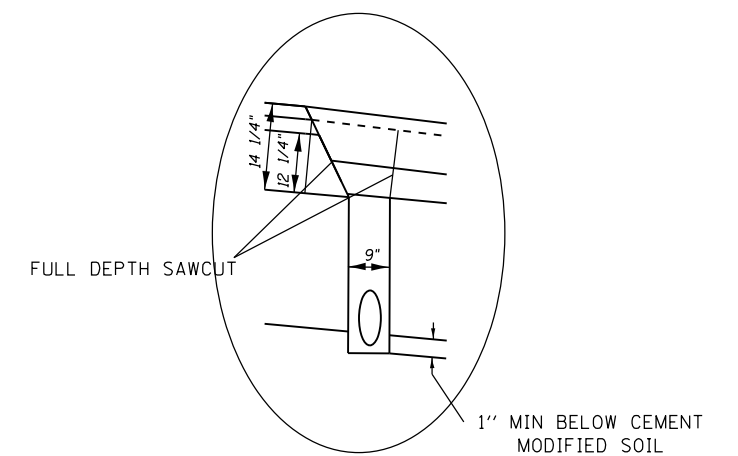
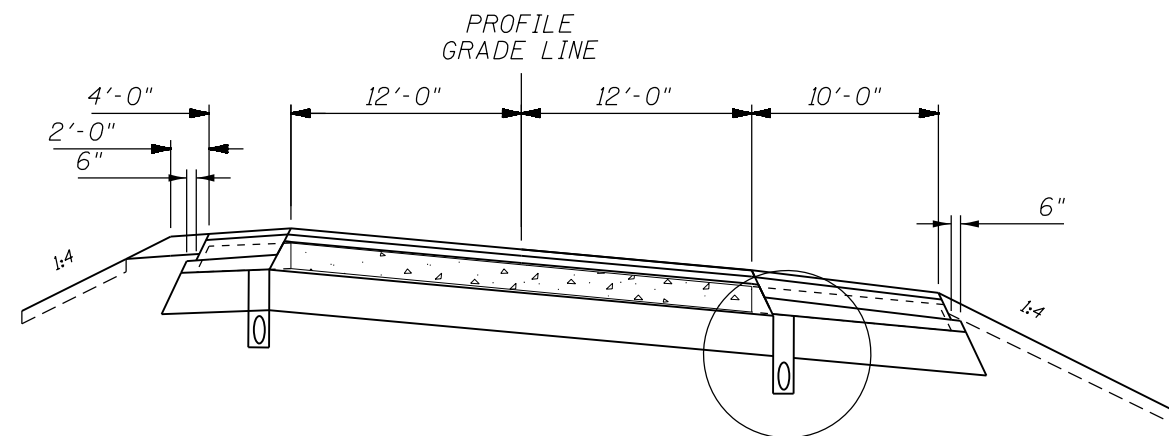
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

TURNAROUND DETAIL

LOCATION	SURFACE COURSE LIFT	LEVELING BINDER LIFTS
STA 1086+37	1 LIFT OF 2" SURFACE COURSE	2 LIFTS OF 2" SURFACE COURSE
STA 1155+90	1 LIFT OF 3" SURFACE COURSE	
STA 1286+00	1 LIFT OF 2" SURFACE COURSE	2 LIFTS OF 2" SURFACE COURSE
STA 1491+09	1 LIFT OF 2" SURFACE COURSE	1 LIFT OF 2" BINDER COURSE



UNDERDRAIN DETAIL



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

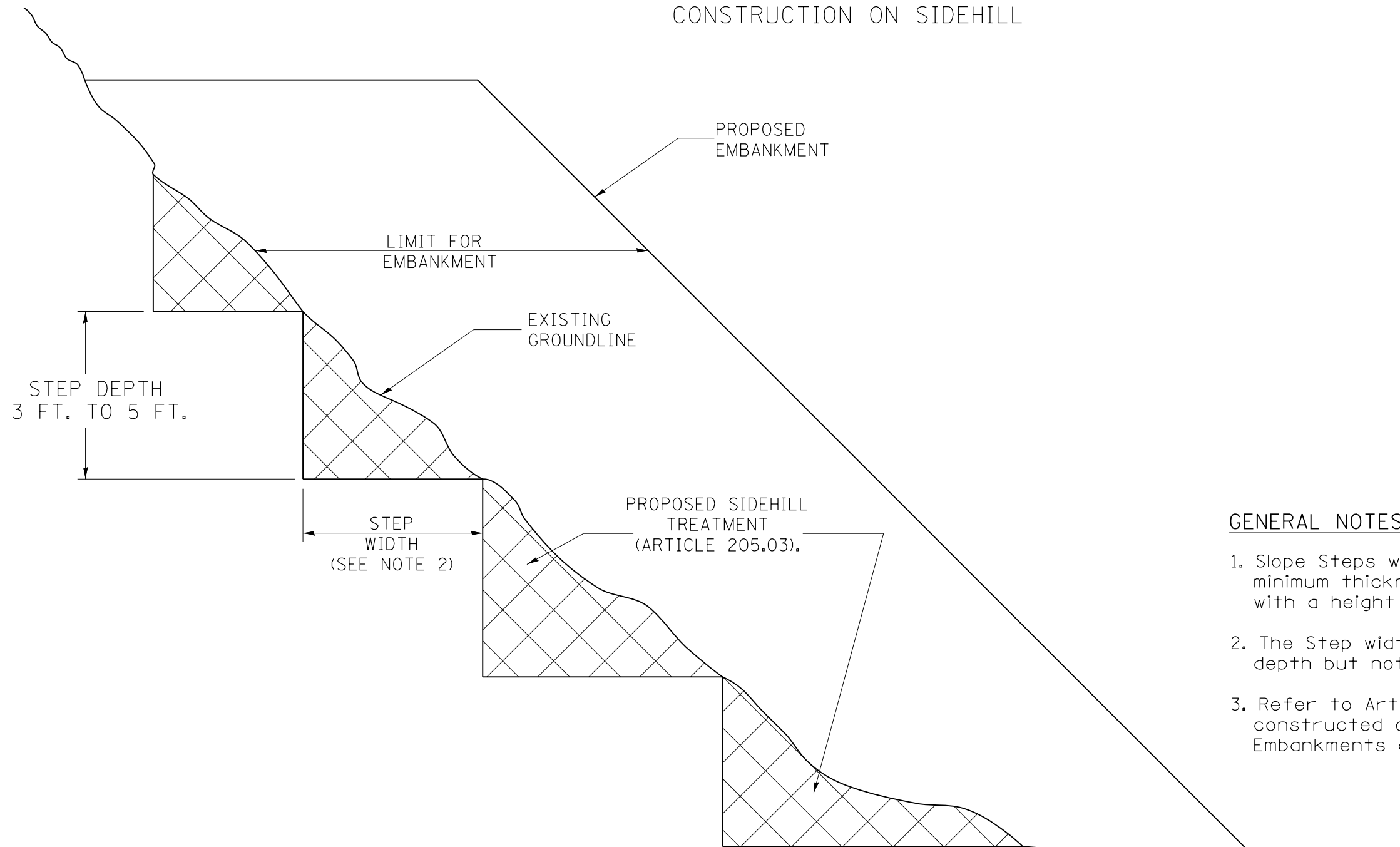
TURNAROUND AND UNDERDRAIN DETAILS.

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16), 17-90-15/RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLEAN	504	266
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

SLOPE STEPS DETAIL

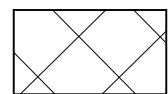
TYPICAL CROSS-SECTION EMBANKMENT CONSTRUCTION ON SIDEHILL



GENERAL NOTES:

1. Slope Steps will be required for all 12(300) minimum thickness "sliver fills" and on a fills with a height of 10 feet or greater.
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

REPLACEMENT MATERIAL:



STANDARD EMBANKMENT
(IN ACCORDANCE WITH
205 OF THE STANDARD SPECIFICATION).

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

1-1-97	RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE	T.P.			
	BOX, REVISED GENERAL NOTES.				
10-16-06	REVISED TO 2007 SPEC.	M.A.			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

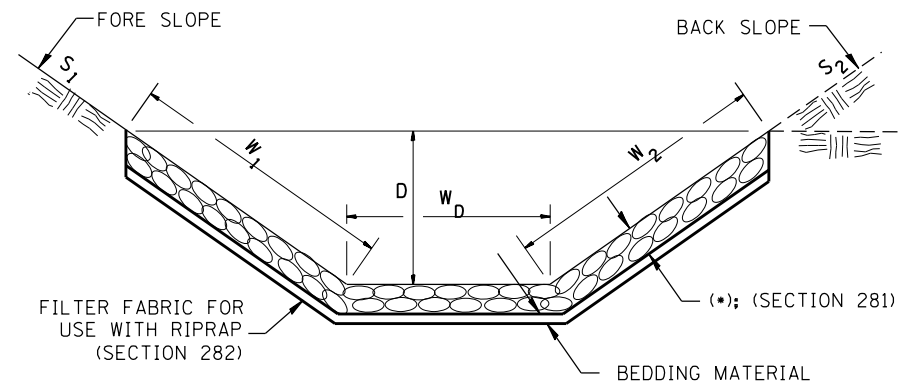
SLOPE STEPS DETAIL

NOT TO SCALE

CADD STD. 205001-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16), 17, 90-151RS-5; 157-17RS-4	TAZEWELL/WOODFORD/MCLEAN	504	267
FAP 702 (IL 117)			CONTRACT NO. 68A79	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

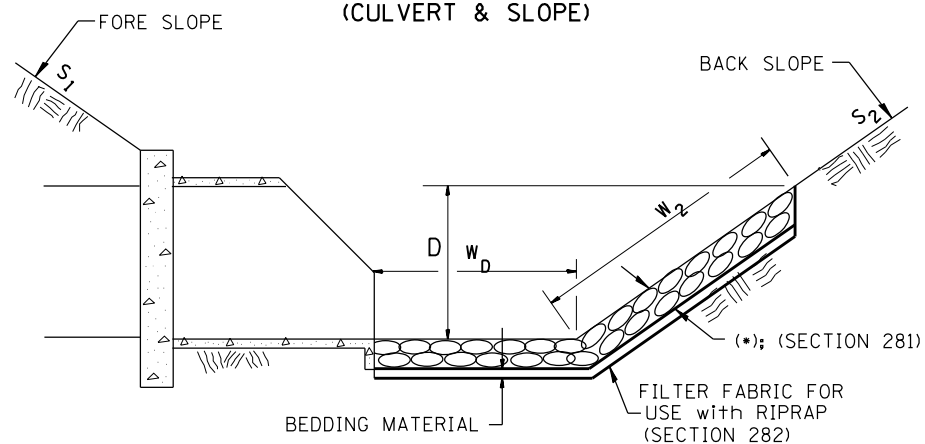
**CASE 1
(DITCH)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
TOTAL				

(1) WIDTH = $W_1 + W_2 + W_D$

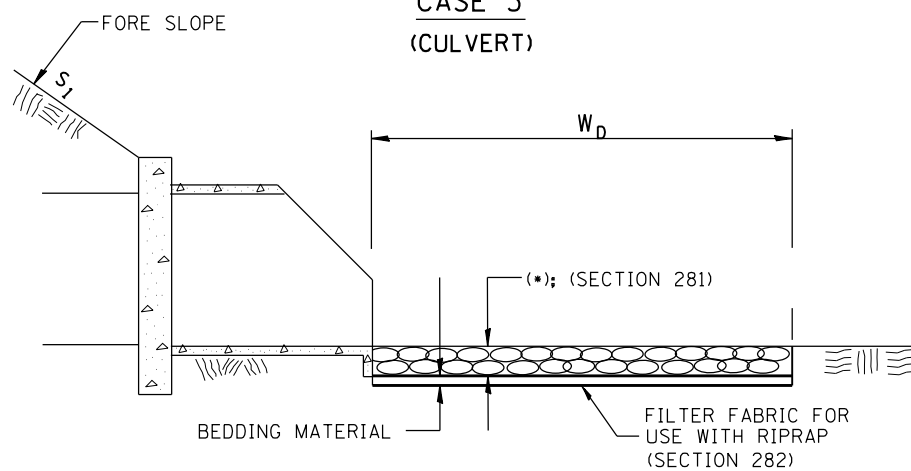
**CASE 2
(CULVERT & SLOPE)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
TOTAL				

(1) WIDTH = $W_2 + W_D$

**CASE 3
(CULVERT)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
TOTAL				

(1) WIDTH = W_D

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
All dimensions are in inches (millimeters) unless otherwise noted.

1-1-97	RENUM. A-12.02, NEW REVISION BOX	T.P.
12-1-97	CORRECT FILTER FABRIC LEADER ARROW	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.
9-6-12	REMOVED A DESIGNER NOTE AND MADE MINOR CHANGES	R.D.

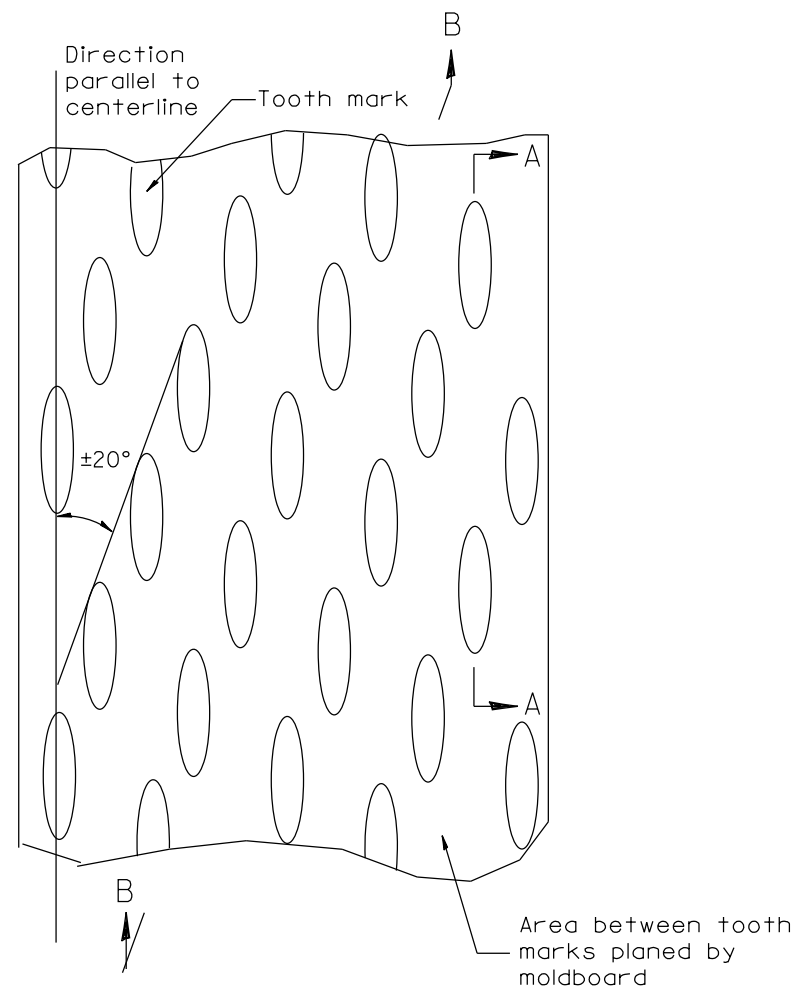
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIPRAP DITCH FOR EROSION PROTECTION

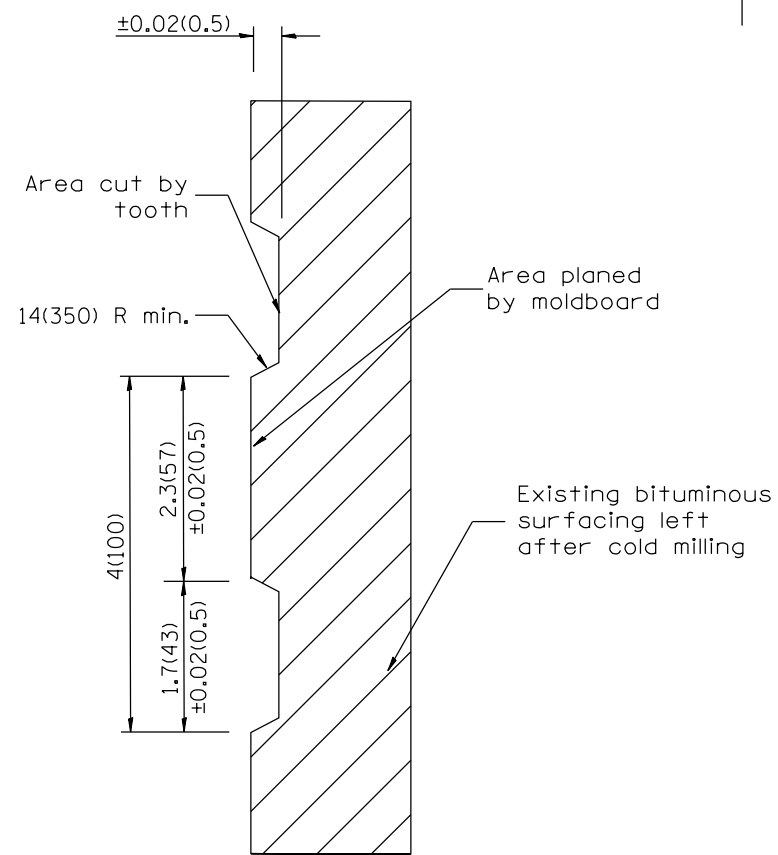
NOT TO SCALE

CADD STD. 281001-D4

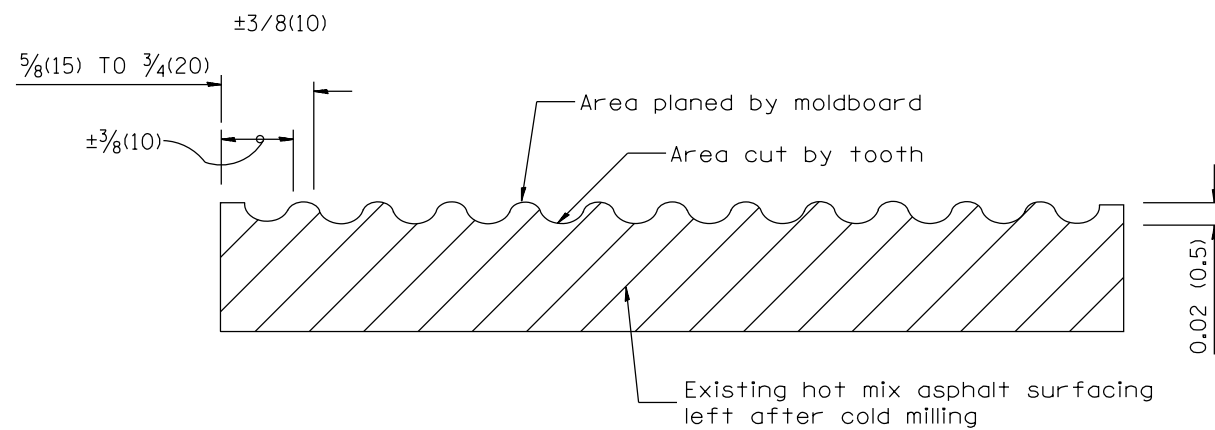
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16),17,90-15IRS-5; 157-17IRS-4	TAZEWELL/WOODFORD/MCLEAN	504	268
FAP 702 (IL 117)	CONTRACT NO. 68A79			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



PLAN



SECTION A-A



SECTION B-B PROJECTED
PERPENDICULAR TO CENTERLINE

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.

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.

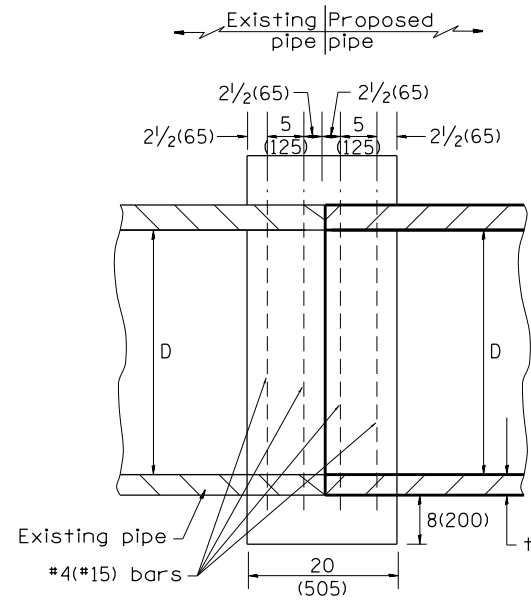
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

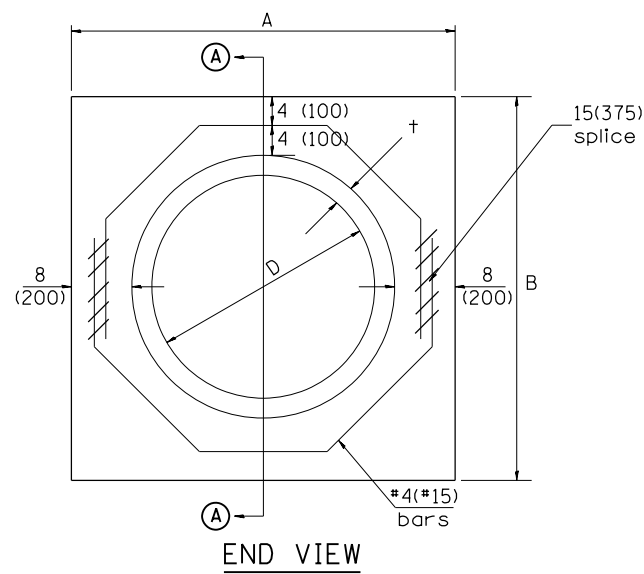
NOT TO SCALE

CADD STD. 440001-D4

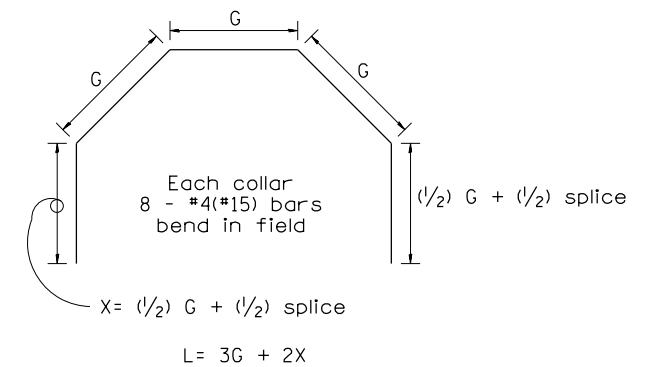
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16), 17, 90-151RS-5; 157-17RS-4	TAZEWELL/WOODFORD/MCLEAN	504	269
FAP 702 (IL 117)		CONTRACT NO. 68A79		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



SECTION A - A



END VIEW



Each Collar									
					Reinforcement Bars				
D	t	A	B	CL. SI CONC.	G	X	L	Weight	
in (mm)	in (mm)	ft (m)	ft (m)	cu. yd. (m ³)	in (mm)	in (mm)	ft (m)	lb (kg)	
12 (300)	2.00 (51)	2.67 (0.814)	2.67 (0.814)	0.4 (0.270)	9 ¹⁵ / ₁₆ (253)	12 ⁷ / ₁₆ (317)	4.57 (1.393)	24 (11)	
15 (375)	2.25 (57)	2.96 (0.902)	2.96 (0.902)	0.4 (0.315)	11 ³ / ₈ (290)	13 ³ / ₁₆ (335)	5.05 (1.541)	27 (12)	
18 (450)	2.50 (64)	3.25 (0.991)	3.25 (0.991)	0.5 (0.362)	12 ¹³ / ₁₆ (327)	13 ⁷ / ₈ (354)	5.54 (1.689)	30 (14)	
21 (525)	2.75 (70)	3.54 (1.079)	3.54 (1.079)	0.5 (0.411)	14 ¹ / ₄ (364)	14 ⁵ / ₈ (372)	6.02 (1.836)	32 (15)	
24 (600)	3.00 (76)	3.83 (1.167)	3.84 (1.167)	0.6 (0.460)	15 ¹¹ / ₁₆ (401)	15 ⁵ / ₁₆ (391)	6.51 (1.984)	35 (16)	
27 (675)	3.25 (83)	4.13 (1.259)	4.13 (1.259)	0.7 (0.516)	17 ¹ / ₄ (438)	16 ¹ / ₁₆ (409)	6.99 (2.131)	37 (17)	
30 (750)	3.50 (89)	4.42 (1.347)	4.42 (1.347)	0.7 (0.570)	18 ¹¹ / ₁₆ (475)	16 ³ / ₄ (428)	7.48 (2.279)	40 (18)	
33 (825)	3.75 (95)	4.71 (1.436)	4.71 (1.436)	0.8 (0.624)	20 ¹ / ₈ (512)	17 ¹ / ₂ (446)	7.96 (2.426)	43 (19)	
36 (900)	4.00 (102)	5.00 (1.524)	5.00 (1.524)	0.9 (0.682)	21 ⁹ / ₁₆ (549)	18 ³ / ₁₆ (465)	8.44 (2.574)	45 (20)	
42 (1050)	4.50 (114)	5.58 (1.701)	5.58 (1.701)	1.0 (.800)	24 ⁷ / ₁₆ (622)	19 ³ / ₄ (501)	9.41 (2.869)	50 (23)	
48 (1200)	5.00 (127)	6.17 (1.881)	6.17 (1.881)	1.2 (0.930)	27 ⁵ / ₁₆ (696)	21 ³ / ₁₆ (538)	10.38 (3.164)	55 (25)	

GENERAL NOTES

1. THE COLLAR SHALL BE CONSTRUCTED ENTIRELY OF CLASS SI CONCRETE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 503 OF THE STANDARD SPECIFICATIONS. REINFORCEMENT BARS SHALL CONFORM TO SECTION 508.
2. This work shall be paid for by the cubic yard (cubic meter) for CONCRETE COLLAR and by the pound (kg) for REINFORCEMENT BARS.

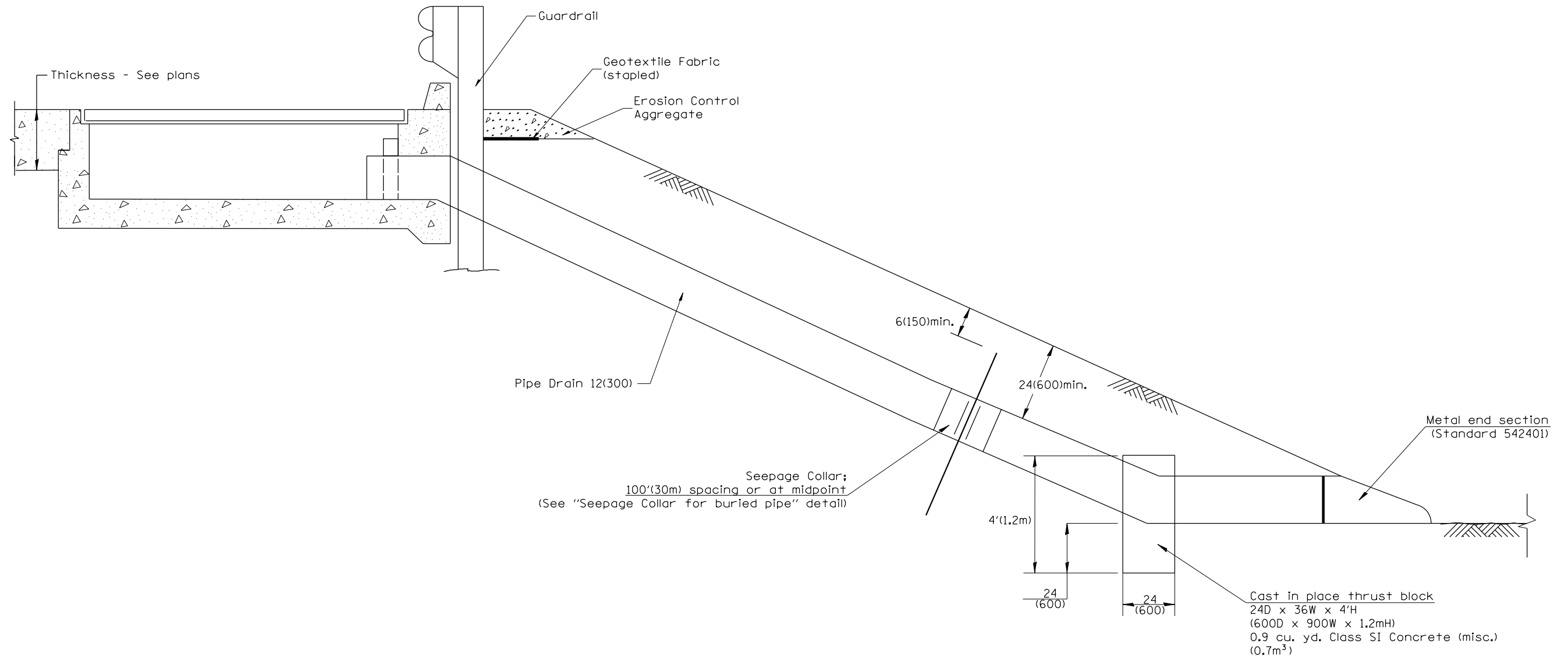
QUANTITIES	
CALC. BY: R. J. D.	2-2-98
CHECKED BY: R. D. H.	2-6-98
	DATE:

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. B-8.03, NEW REVISION BOX, REVISED	T.P.	09-01-00	CORRECT WEIGHT	J.A.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIPE CULVERT EXTENSION COLLAR (WITHOUT END SECTION)	NOT TO SCALE	CADD STD. 542016-D4	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TITLE BOX, ADDED QUANTITY CALCULATION BOX		10-16-06	REV. TO 2007 SPEC., CORRECT mm UNITS	M.A.					74	(X3-16),17,90-15IRS-5; 157-17IRS-4	TAZEWELL/WOODFORD/MCLEAN	504	270
04-01-97	CORRECT BAR	J.A.	2-15-11	ADDED GENERAL NOTE #2	R.D.					FAP 702 (IL 117)		CONTRACT NO. 68A79		
02-10-98	REVISE QUANTITIES	J.A.								FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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.			

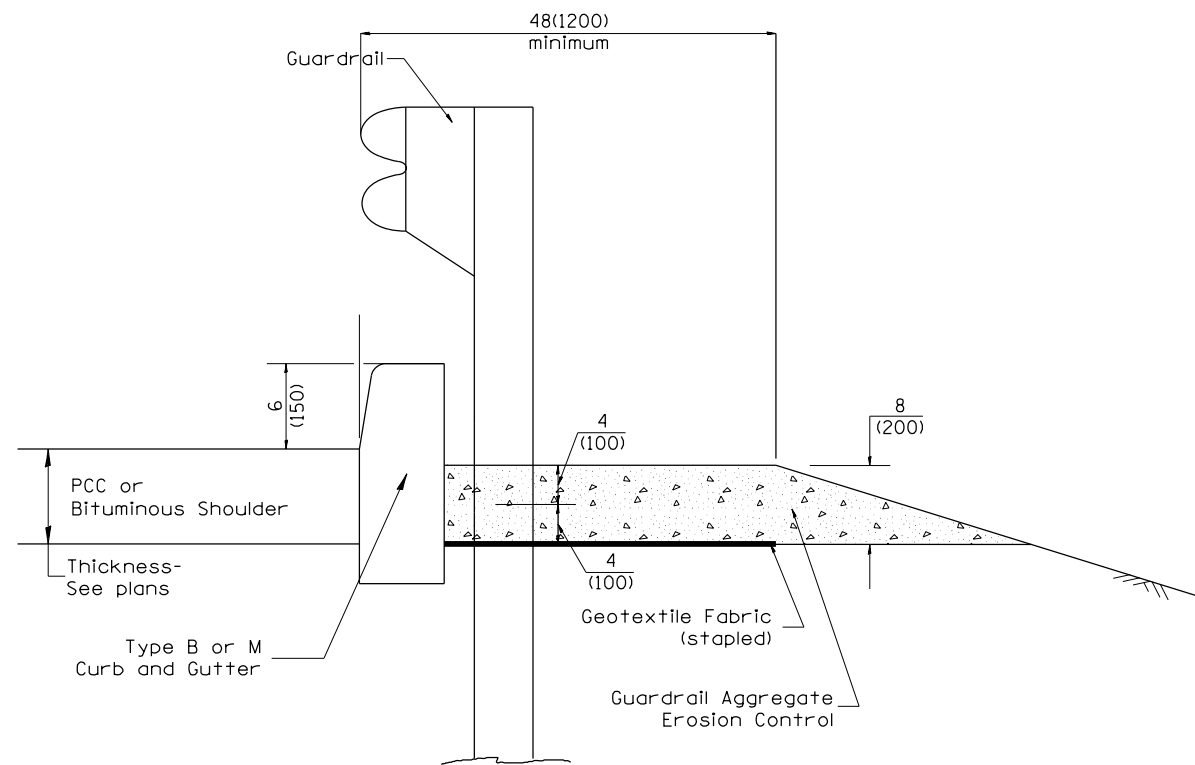
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SLOPE DRAIN DETAIL FOR BURIED PIPES

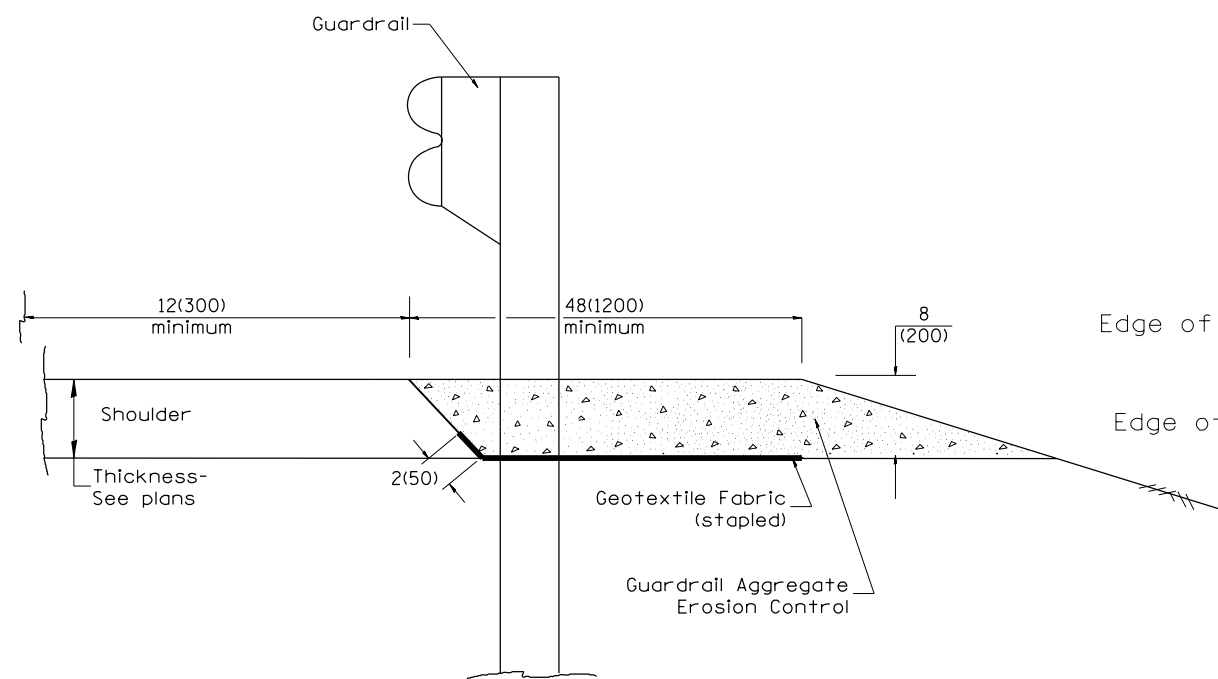
NOT TO SCALE

CADD STD. 601101-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16), 17, 90-15 IRS-5; 157-17 IRS-4	TAZEWELL/WOODFORD/MCLEAN	504	271
FAP 702 (IL 117)			CONTRACT NO. 68A79	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



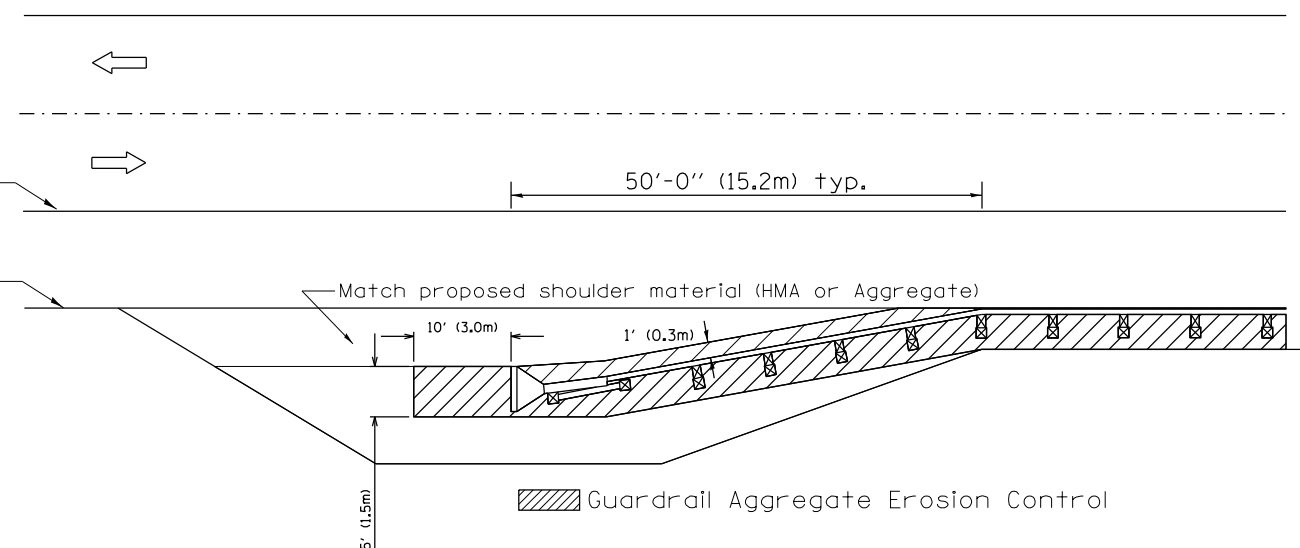
TYPICAL SECTION WITH EROSION CONTROL CURB



TYPICAL SECTION WITHOUT EROSION CONTROL CURB

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
 - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
 - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.



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

01-01-97	RENUM. C-22.01, NEW REVISION BOX	T.P.	03-07-11	ADDED DETAIL SHOWING PLAN VIEW	R.D.
03-01-97	CORRECT STD. NUMBERS IN NOTES PG. 2	J.A.	08-10-12	REVISED CURB "B" AND AGGREGATE	R.D.
11-03-00	CORRECTION TO NOTES	M.A.	07-15-15	ADDRESSED SHOULDER INLET CURB	R.D.
10-16-06	REVISED TO 2007 SPEC.	M.A.	01-26-17	REVISED	R.D.

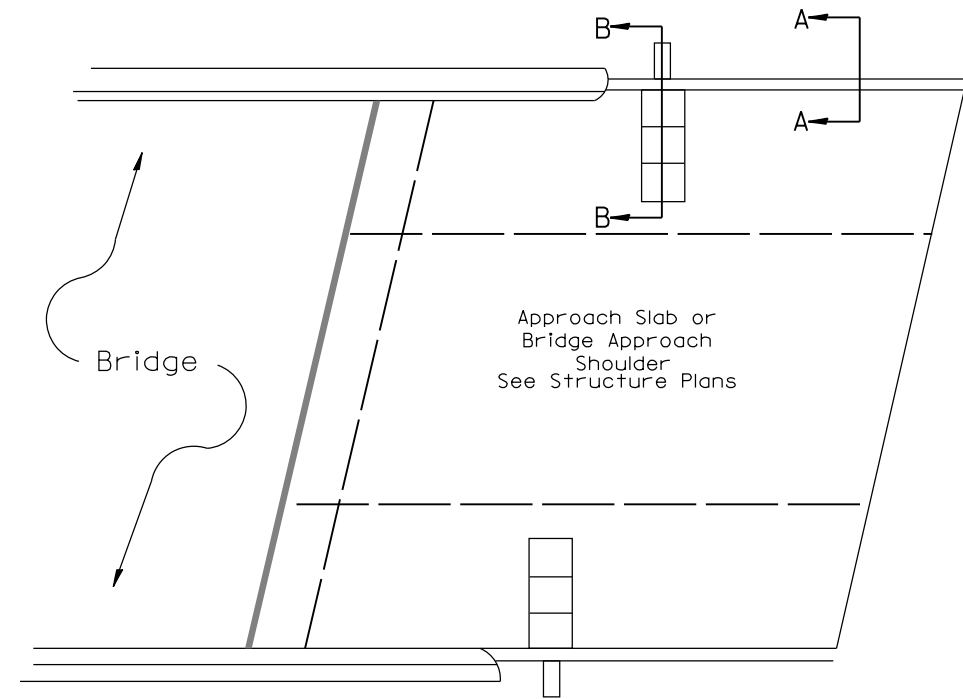
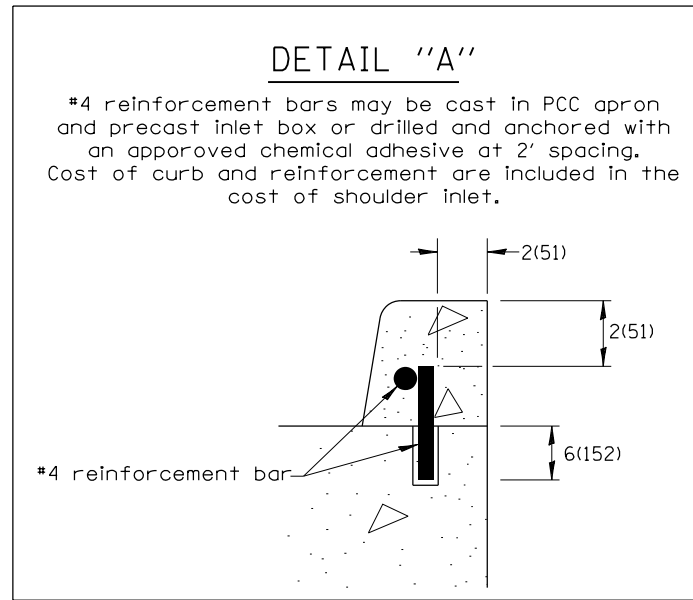
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL EROSION CONTROL TREATMENTS

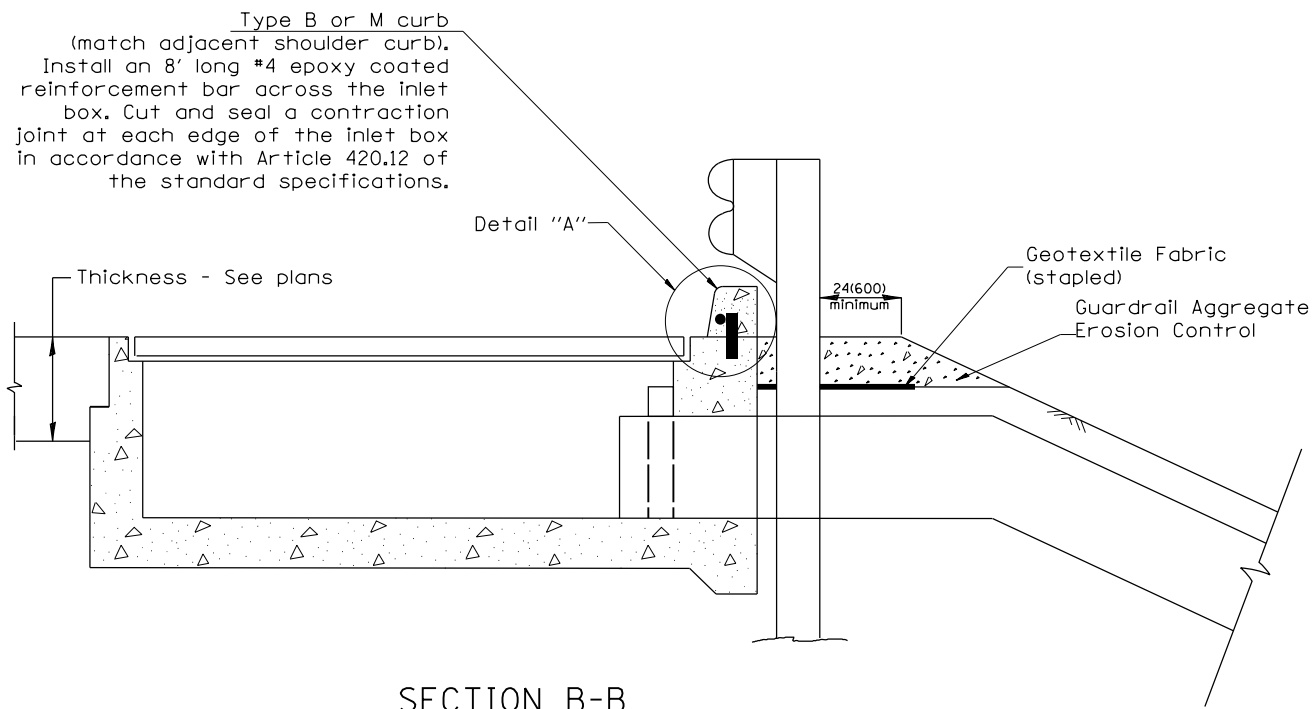
NOT TO SCALE

SHT. 1 OF 2
CADD STD. 630101-D4

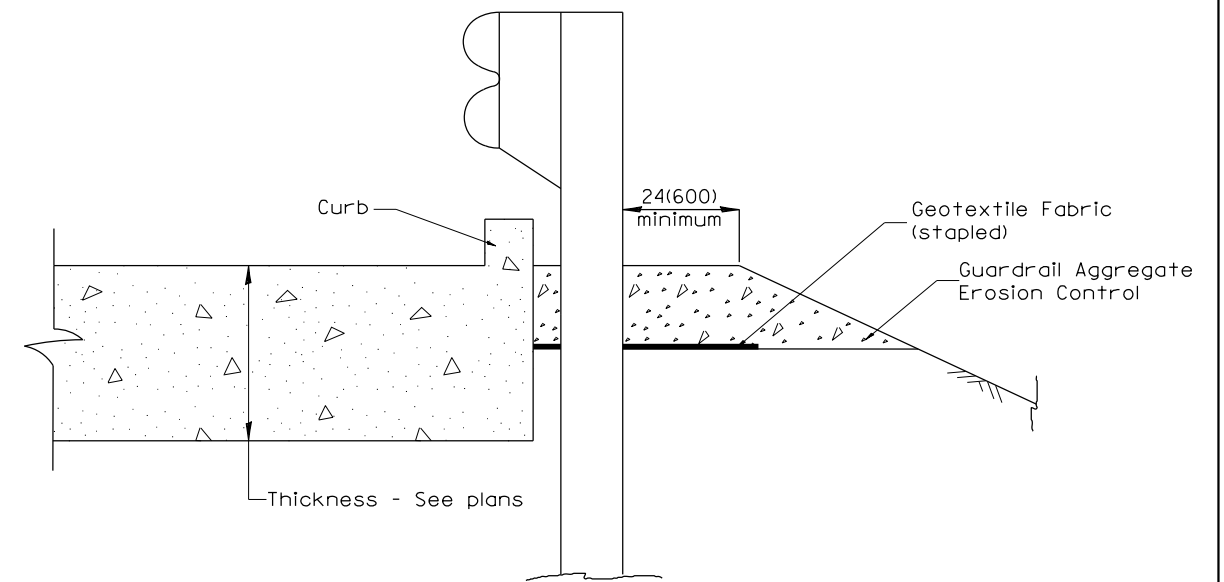
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16), 17, 90-151RS-5; 157-17RS-4	TAZEWELL/WOODFORD/MCLEAN	504	272
FAP 702 (IL 117)			CONTRACT NO. 68A79	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLAN VIEW
APPROACH SLAB OR SHOULDER PLACEMENT



SECTION B-B
TYPICAL SECTION AT INLETS
TYPE E, F & G (HIGHWAY STANDARD 610001)

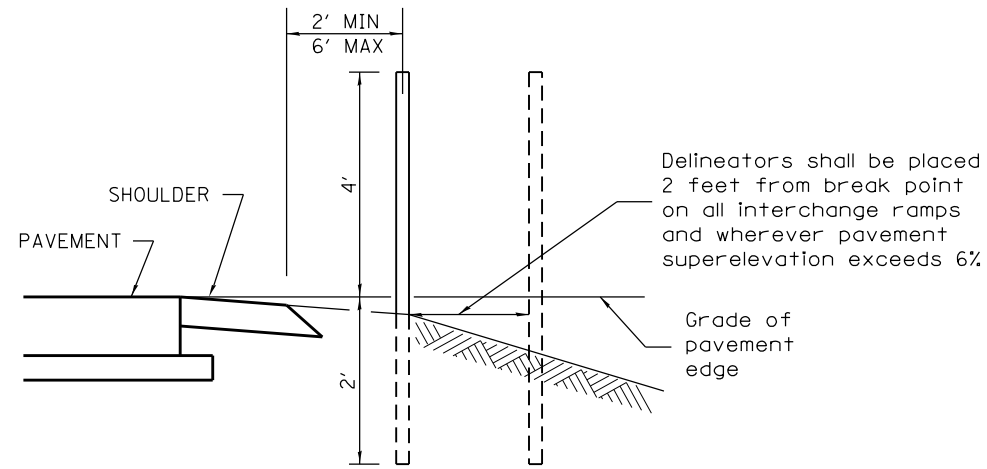


SECTION A-A
TYPICAL SECTION WITH BRIDGE APPROACH CURB

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

STATE OF ILLINOIS				GUARDRAIL EROSION CONTROL TREATMENTS				TOTAL SHEETS	SHEET NO.
DEPARTMENT OF TRANSPORTATION				NOT TO SCALE				504	273
				SHT. 2 OF 2				CONTRACT NO. 68A79	
				CADD STD. 630101-D4				ILLINOIS FED. AID PROJECT	

**SPACING FOR
RECOVERABLE DELINEATORS
ON HORIZONTAL CURVES**

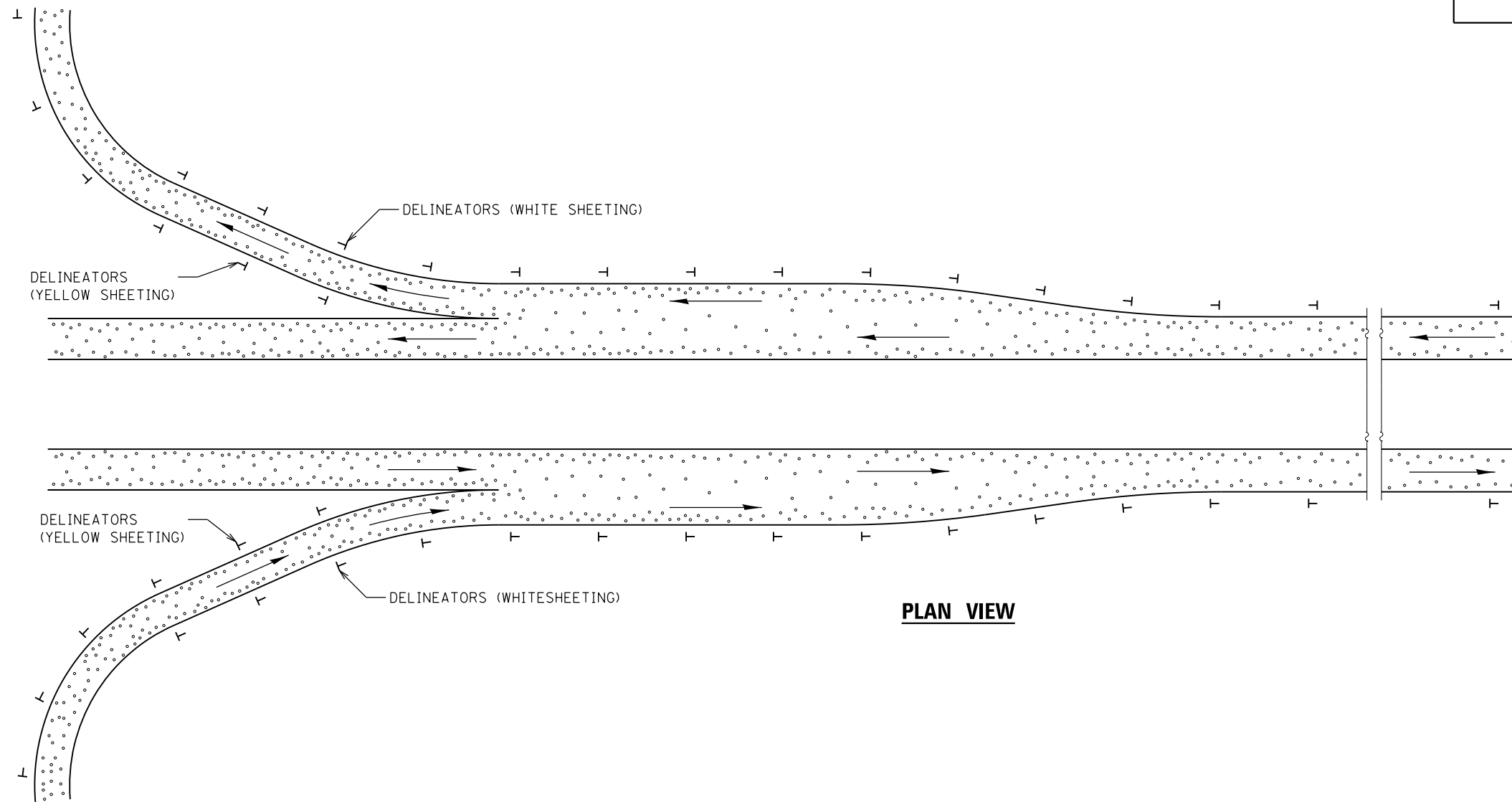


Delineators shall be placed 2 feet from break point on all interchange ramps and wherever pavement superelevation exceeds 6%.

Grade of pavement edge

SECTIONAL VIEW

LOCATION	RADIUS OF CURVE (FEET)	SPACING ON CURVE (FEET)



PLAN VIEW

GENERAL NOTES

Delineators on mainline shall be placed at 400' spacing on tangent sections, and 200' spacing on curved sections.

Delineators on ramps, shall be placed as follows:
 1. On tangent sections, acceleration lanes and deceleration lanes at maximum spacing of 100'.
 2. On outside of all curved sections.
 (See table above for spacing)

08-25-15	NEW STANDARD	R.D.			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

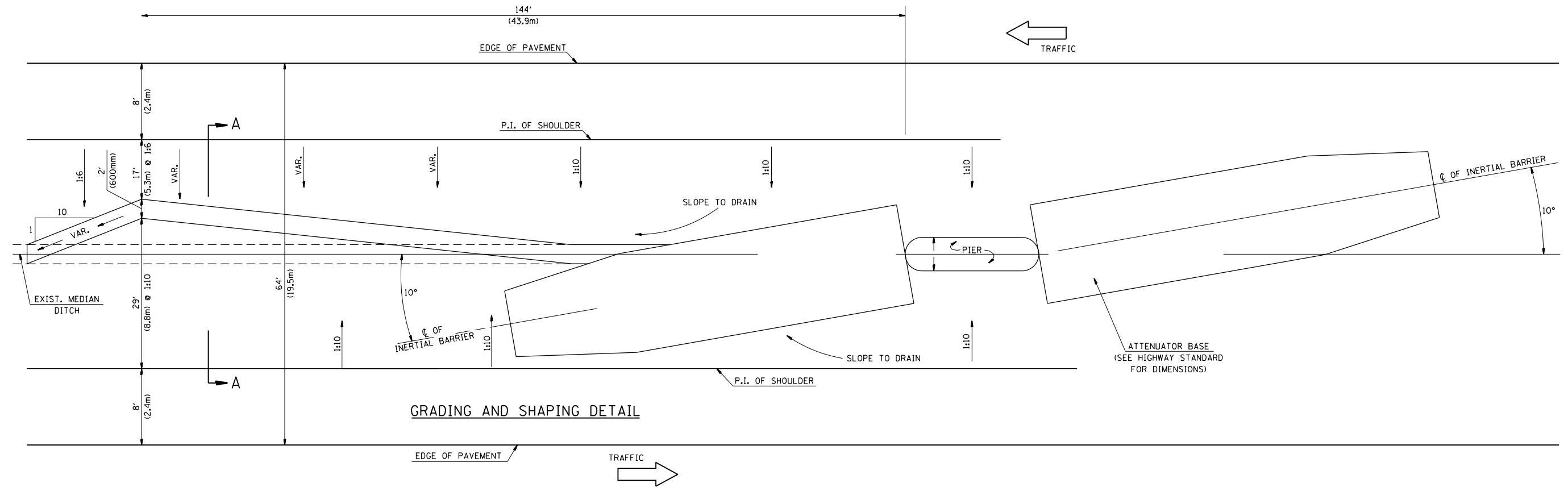
RECOVERABLE DELINEATORS DETAIL

NOT TO SCALE

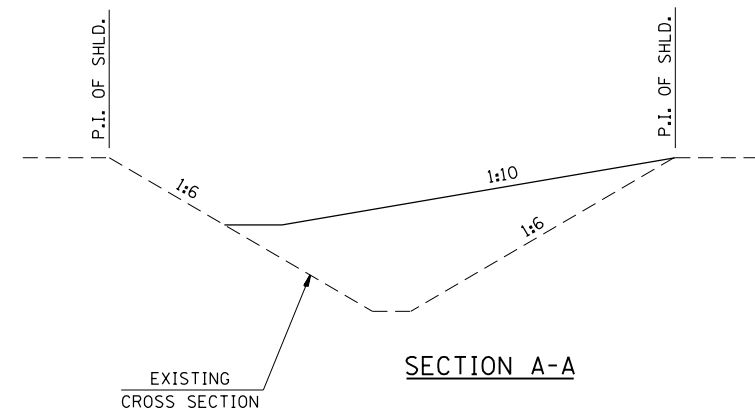
CADD STD. 635002-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16), 17, 90-15 IRS-5; 157-17 IRS-4	TAZEWELL/WOODFORD/MCLEAN	504	274
FAP 702 (IL 117)	CONTRACT NO. 68A79			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DETAIL OF INERTIAL BARRIERS (70 MPH DESIGN – 64' MEDIAN)



GRADING AND SHAPING DETAIL



GENERAL NOTES

1. ALL 1:10 SLOPES SHOWN ON THIS DETAIL SHALL BE CONSTRUCTED 1:10 OR FLATTER.
2. THE SLOPES AS SHOWN ON THIS DETAIL SHALL APPLY TO BOTH ENDS OF THE BRIDGE PIERS.
3. ATTENUATOR BASE AND BARREL ARRAY SHALL BE INSTALLED IN ACCORDANCE WITH STATE STANDARD 643001 AND MANUFACTURER'S SPECIFICATIONS.
4. IN AREAS OF 1:10 SLOPES PRECEDING THE ATTENUATOR IN THE MEDIAN INSTALLATION, FOUR OR MORE WOOD POSTS SHALL BE PLACED AT 5' (1.5m) INTERVALS IN THE MEDIAN ϕ . SEE SPECIAL PROVISIONS AND SCHEDULES.

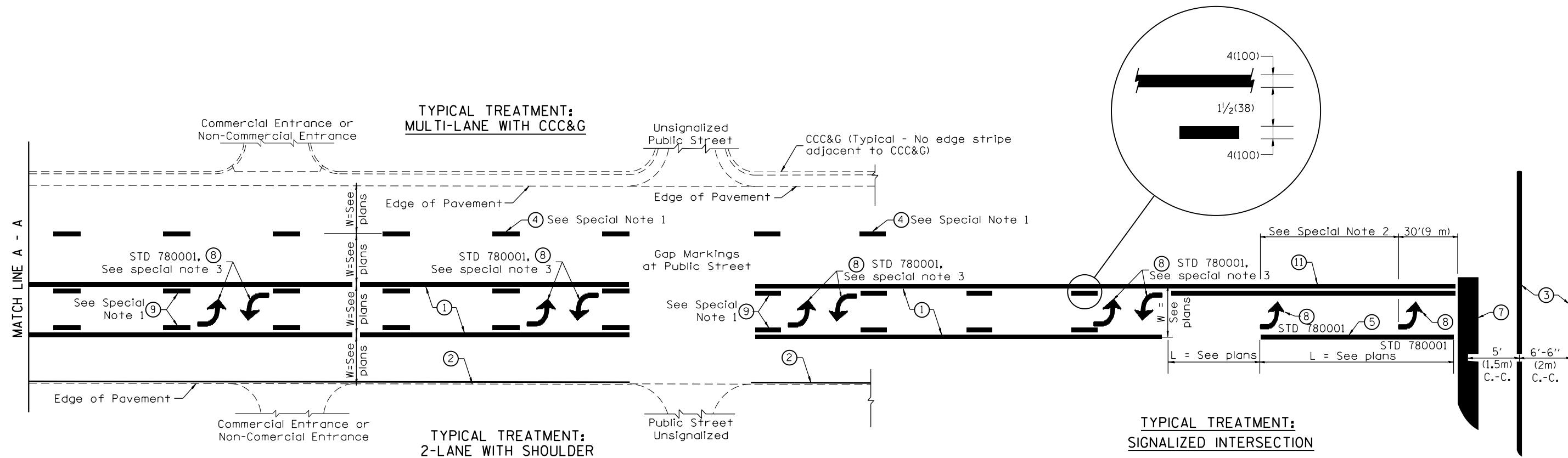
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H)

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

01-01-97	RENUM. F-3.02a, NEW REVISION BOX, REVISED	T.P.	03-15-12	REMOVED BARRELS	R.D.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MEDIAN SAND MODULE IMPACT ATTENUATOR 64' MEDIAN	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TITLE BOX, REVISED NOTES		08-25-15	REVISED BASE DIMENSIONS	R.D.			74	(X3-16), 17, 90-151RS-5; 157-17RS-4	TAZEWELL/WOODFORD/MCLEAN	504	275
08-02	REVISED	M.A.						FAP 702 (IL 117)		CONTRACT NO. 68A79		
10-16-06	REVISED TO 2007 SPEC.	M.A.						FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

NOT TO SCALE

CADD STD. 650004-D4



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.			

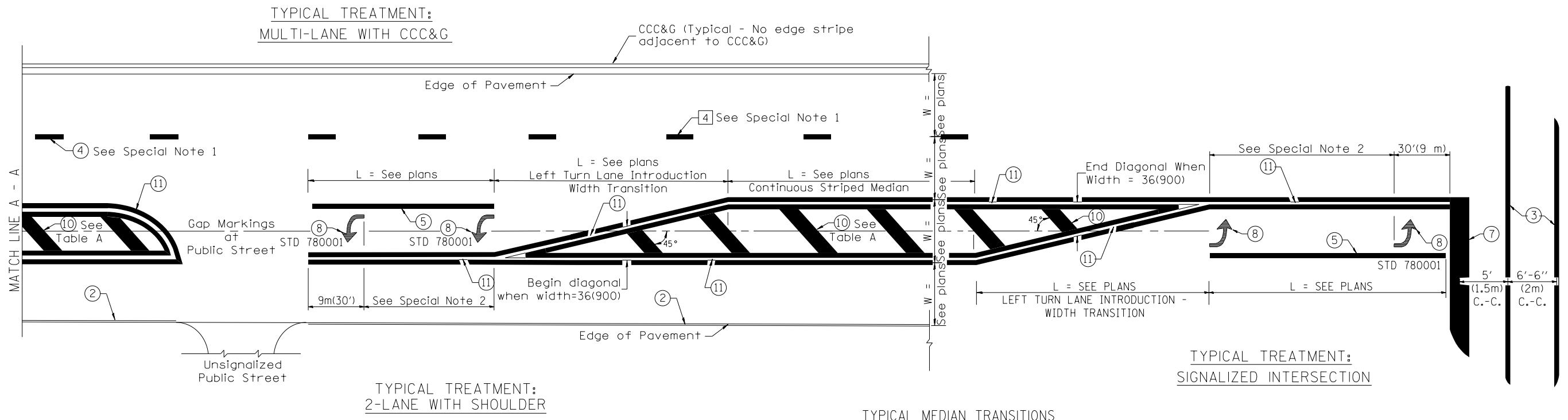
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

TYPICAL PAVEMENT MARKINGS

SHT. 1 OF 2
CADD STD. 780001-D4

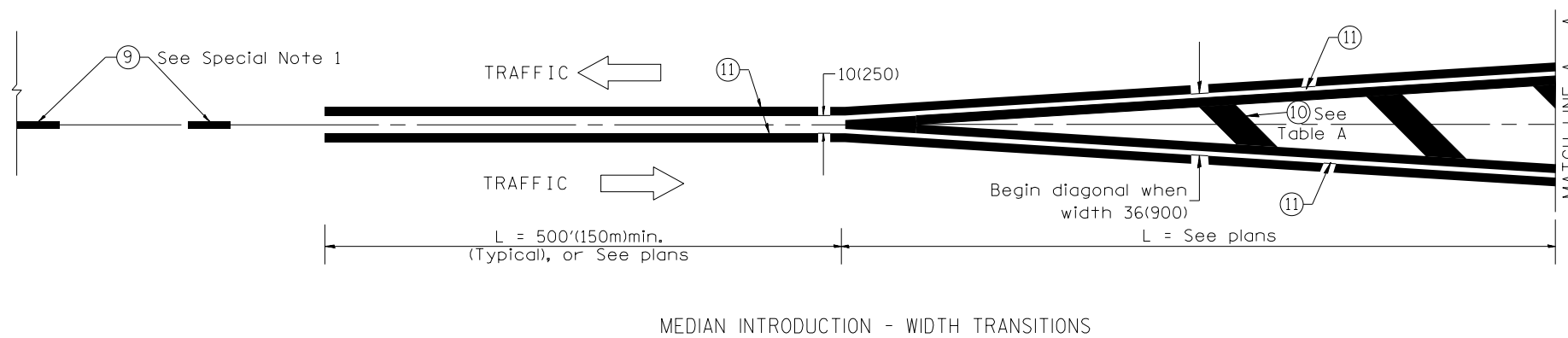
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16), 17, 90-15 IRS-5; 157-17 IRS-4	TAZEWELL/WOODFORD/MCLEAN	504	276
FAP 702 (IL 117)			CONTRACT NO. 68A79	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	CONTINUOUS	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
		5' (1.5m) C.-C.	6'-6" (2m) C.-C.
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)	



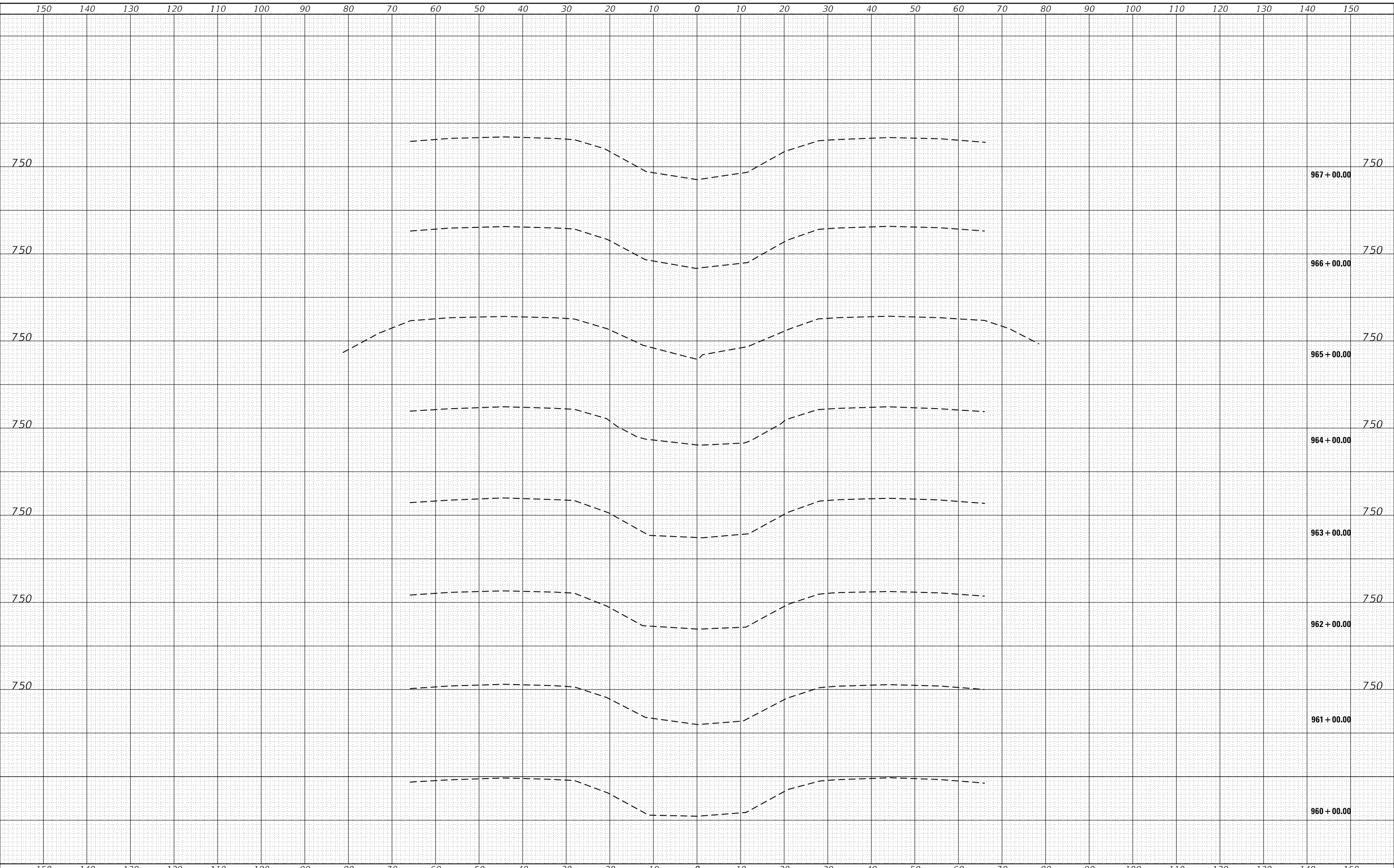
MEDIAN INTRODUCTION - WIDTH TRANSITIONS

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

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

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

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PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

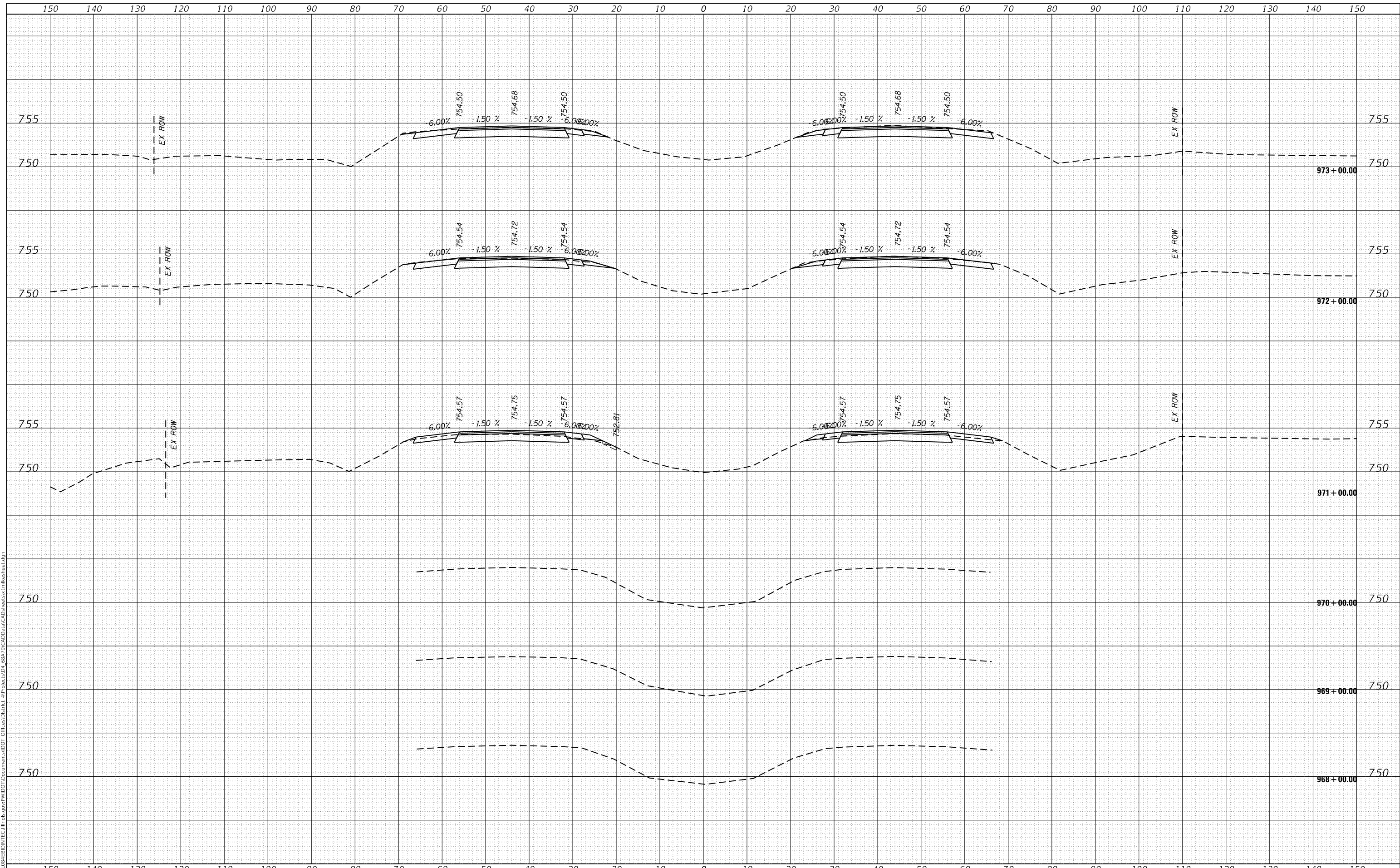
SCALE: SHEET OF SHEETS STA. 960+00.00 TO STA. 967+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17; 90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/MCCLELLAN	504	278
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

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

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NOTE BOOK NO.	
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USER NAME = gavinaj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

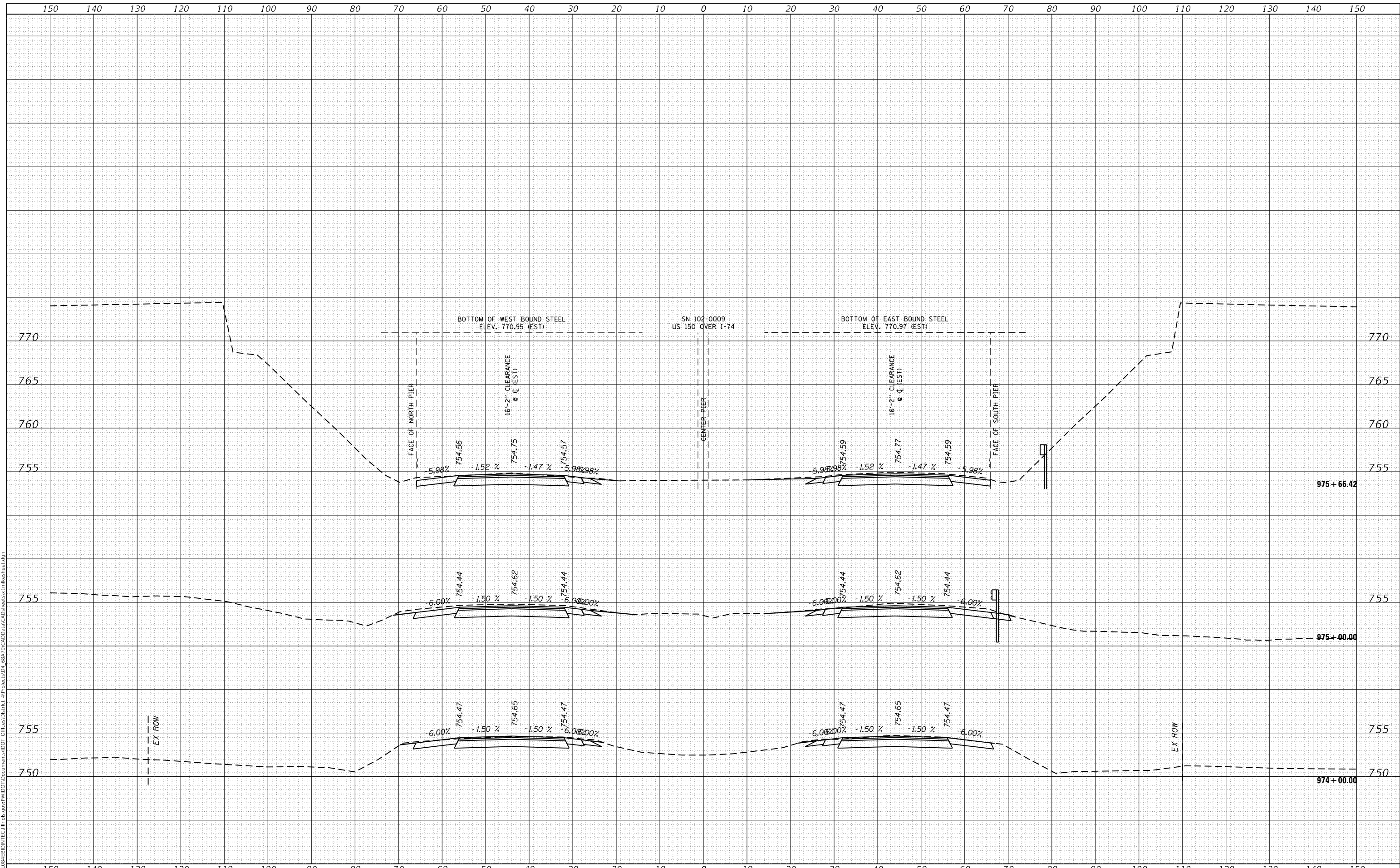
SCALE: SHEET OF SHEETS STA. 968+00.00 TO STA. 973+00.00

F.A.I. RTE. 74	SECTION (X3-16, 17, 90-15)RS-5; (57-17)RS-4	COUNTY TAZEWELL/WOODFORD/MCCLENN	TOTAL SHEETS 504	SHEET NO. 279
FAP 702 (IL 117)	CONTRACT NO. 68A79			
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

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USER NAME = gavinaj	DESIGNED -	REVISED -
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PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

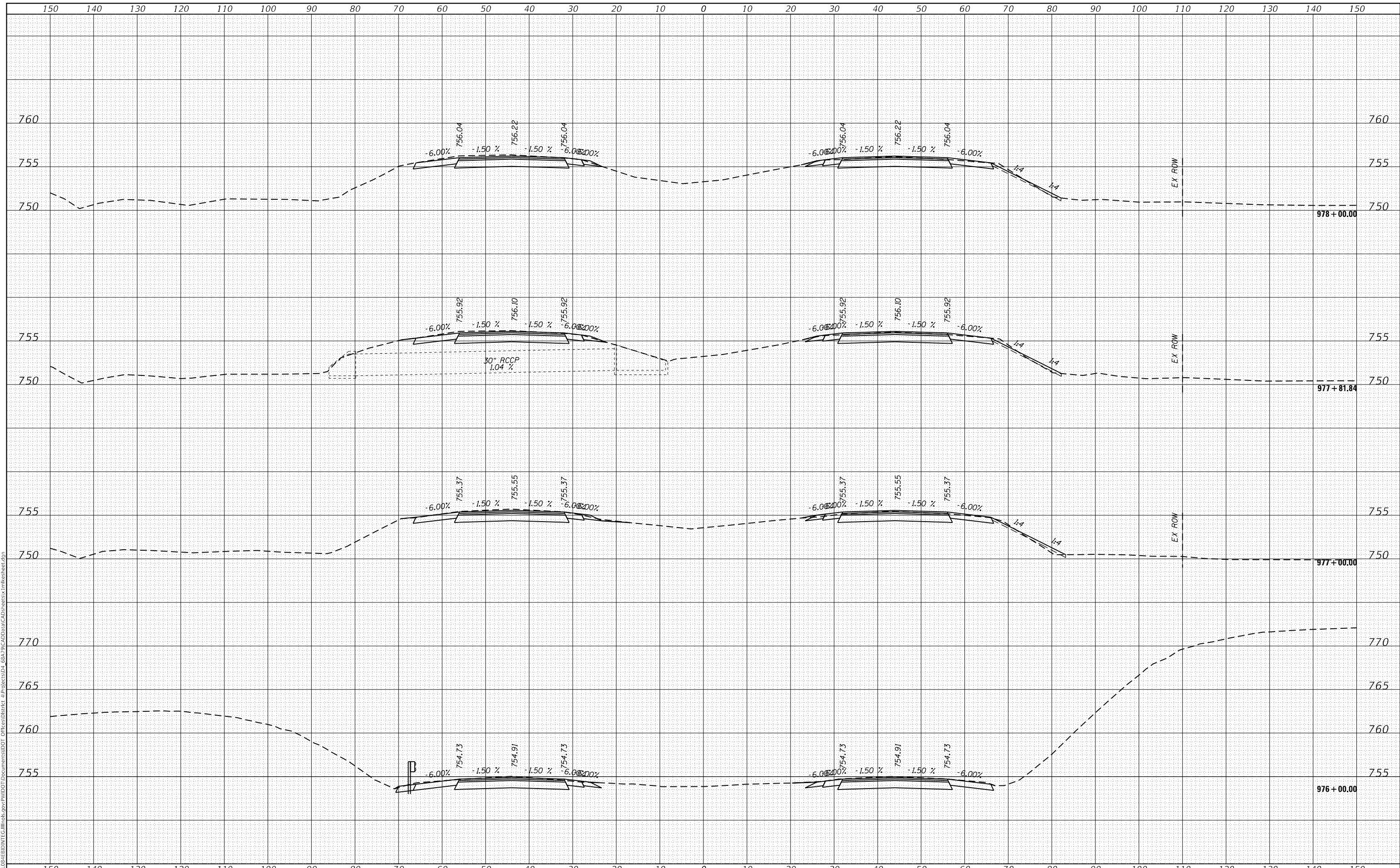
CROSS SECTIONS	
SCALE:	SHEET OF SHEETS
STA. 974+00.00 TO STA. 975+66.42	

F.A.I. RTE. 74	SECTION (X3-16, 17, 90-15)RS-5; (57-17)RS-4	COUNTY TAZEWELL/WOODFORD/MCCLENN	TOTAL SHEETS 504	SHEET NO. 280
FAP 702 (IL 117)	CONTRACT NO. 68A79			
ILLINOIS FED. AID PROJECT				

DATE	BY	SURVEYED	PLOTTED
NO.	NO.	AREAS CHECKED	AREAS CHECKED

DATE	BY	SURVEYED	PLOTTED
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USER NAME = gavinaj	DESIGNED -	REVISED -
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PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

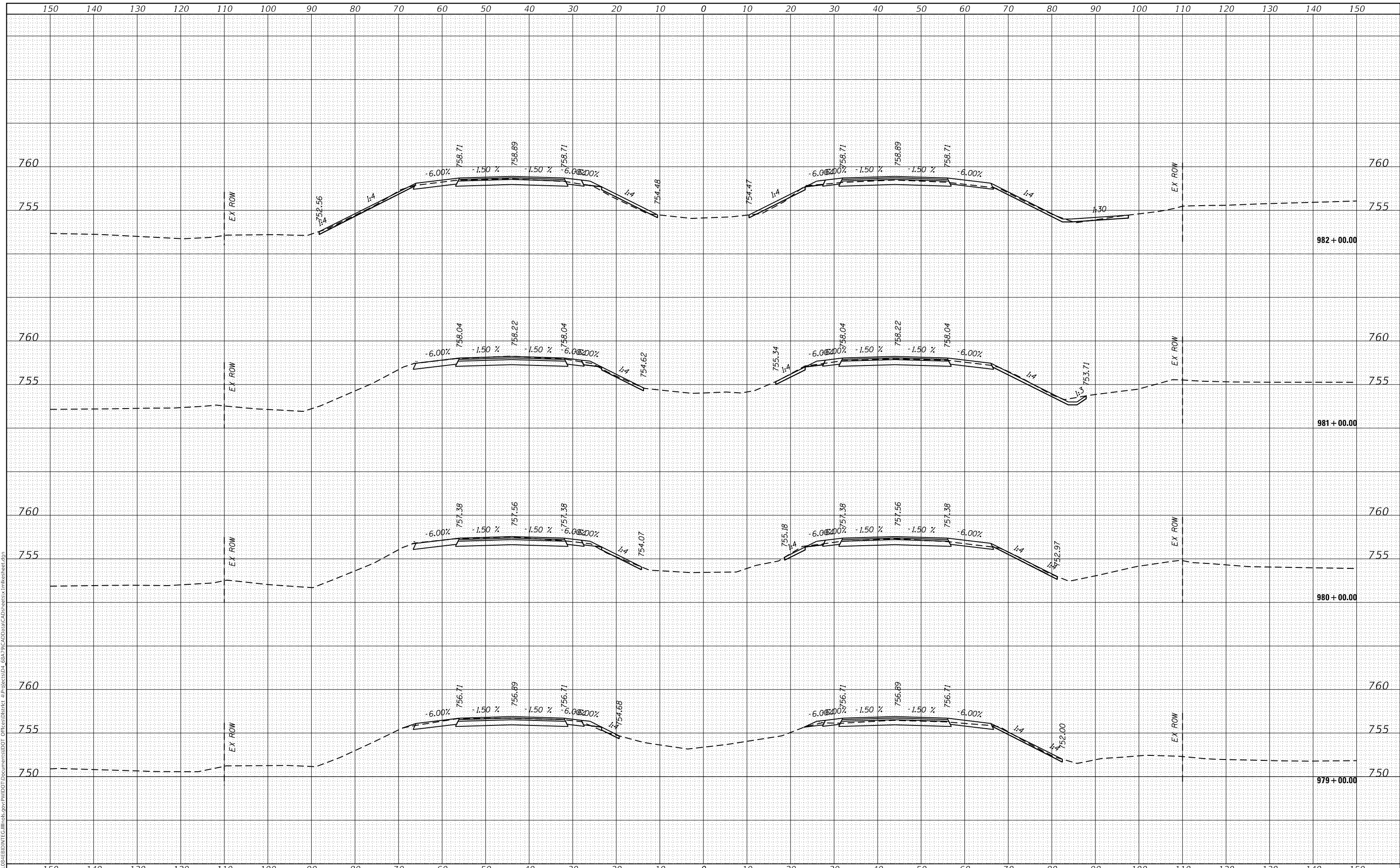
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F.A.I. RTE. 74	SECTION (X3-16, 17; 90-15)RS-5; (57-17)RS-4	COUNTY TAZEWELL/MOOREFORD/MCCLELLAN	TOTAL SHEETS 504	SHEET NO. 281
FAP 702 (IL 117)	CONTRACT NO. 68A79			
ILLINOIS FED. AID PROJECT				

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USER NAME = gavinaj	DESIGNED -	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

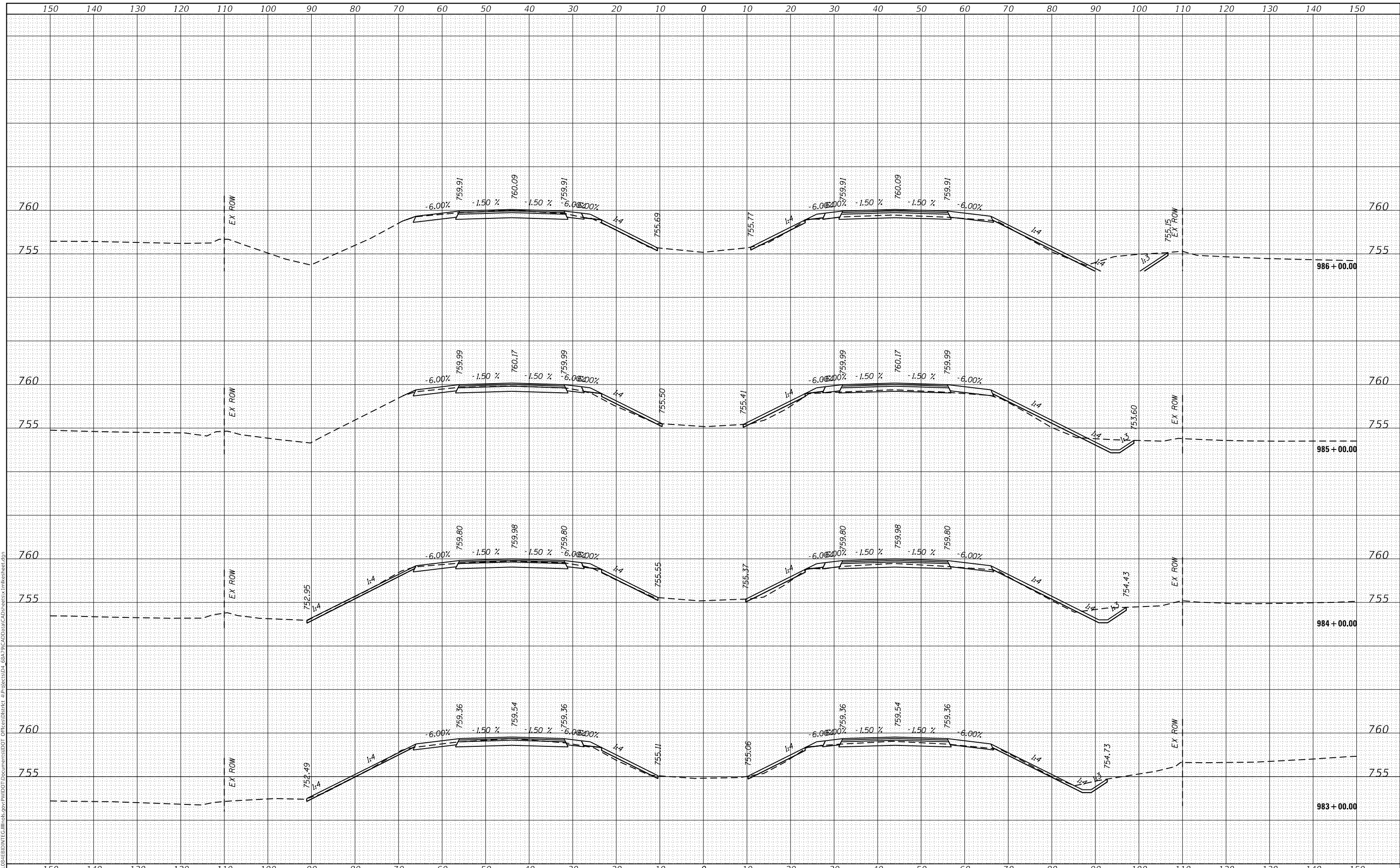
SCALE: SHEET OF SHEETS STA. 979+00.00 TO STA. 982+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17, 90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/ MCCLELLAN	504	282
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

DATE	
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TEMPLATE	
NOTE BOOK	
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USER NAME = gavinaj	DESIGNED -	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

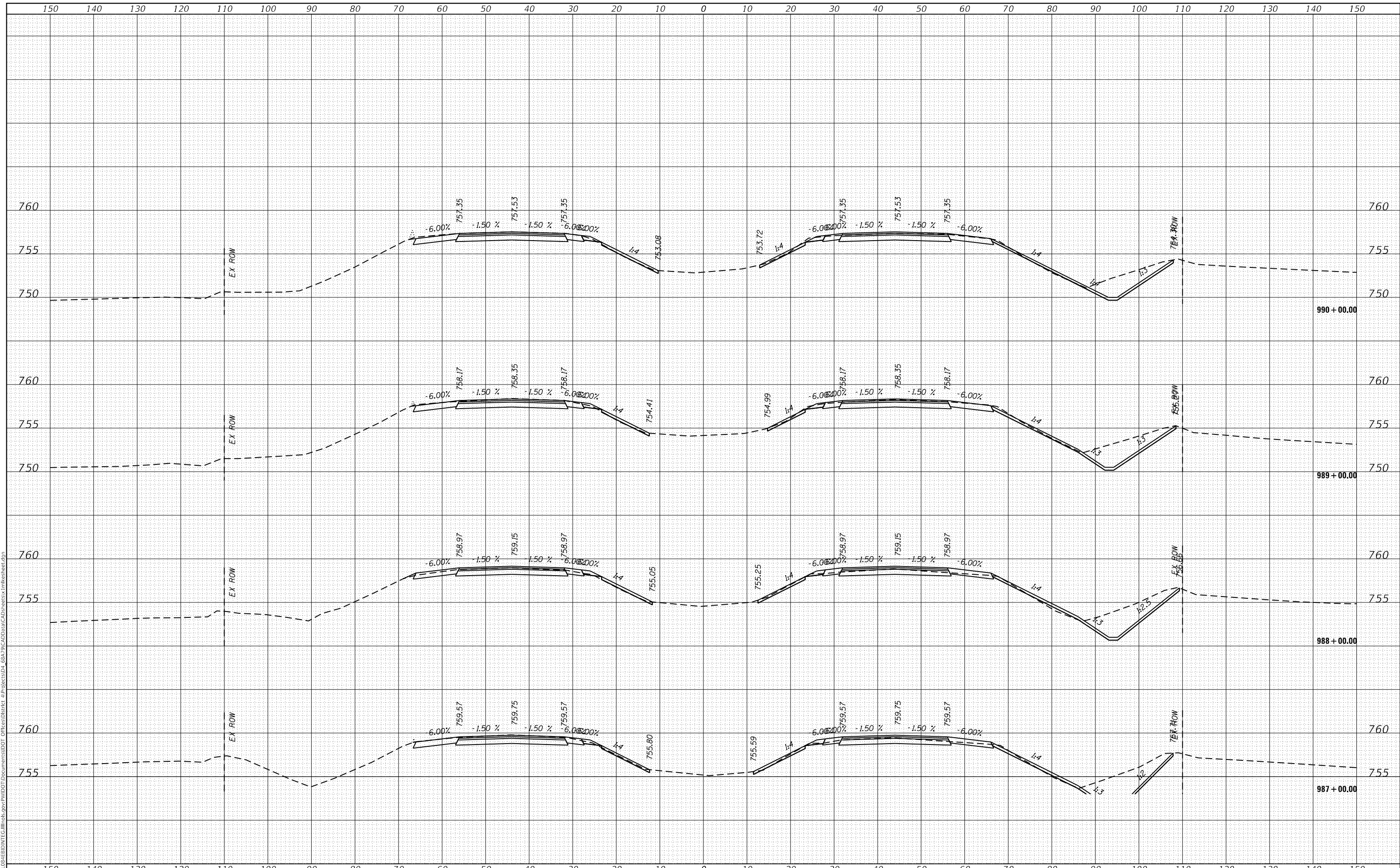
SCALE: SHEET OF SHEETS STA. 983+00.00 TO STA. 986+00.00

F.A.I. RTE. 74	SECTION (X3-16, 17, 90-15)RS-5; (57-17)RS-4	COUNTY TAZEWELL/WOODFORD/MCCLEAN	TOTAL SHEETS 504	SHEET NO. 283
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

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

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NOTE BOOK	PLOTTED
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

USER NAME = gavinaj	DESIGNED -	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/5/2018	DATE -	REVISED -

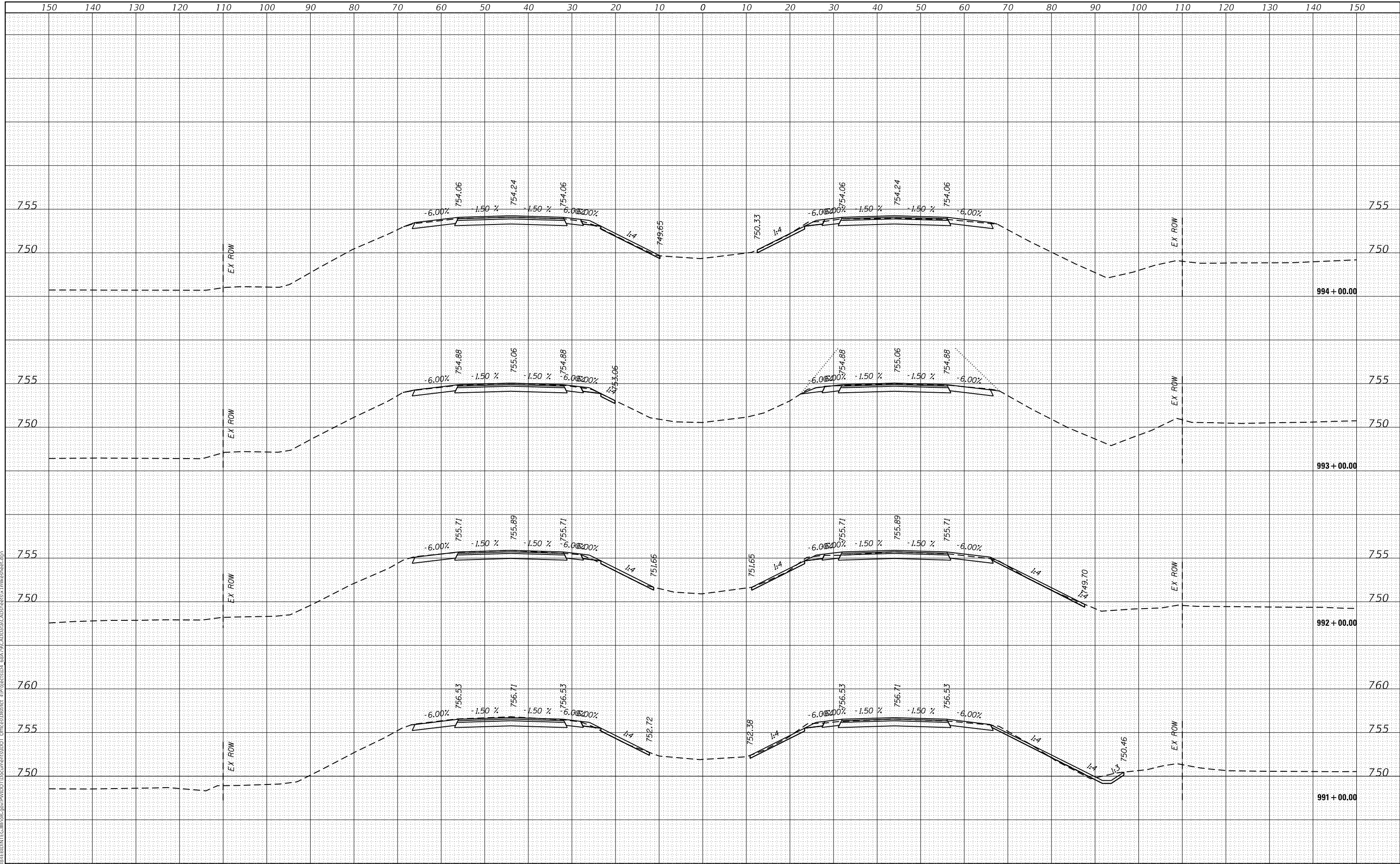
SCALE: SHEET OF SHEETS STA. 987+00.00 TO STA. 990+00.00

F.A.I. RTE. 74	SECTION (X3-16, 17, 90-15)RS-5; (57-17)RS-4	COUNTY TAZEWELL/WOODFORD/MCCLELLAN	TOTAL SHEETS 504	SHEET NO. 284
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

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

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

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 PROJECT: I110
 USER: gavinja



USER NAME = gavinja	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 2/5/2018	DATE -	REVISED -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

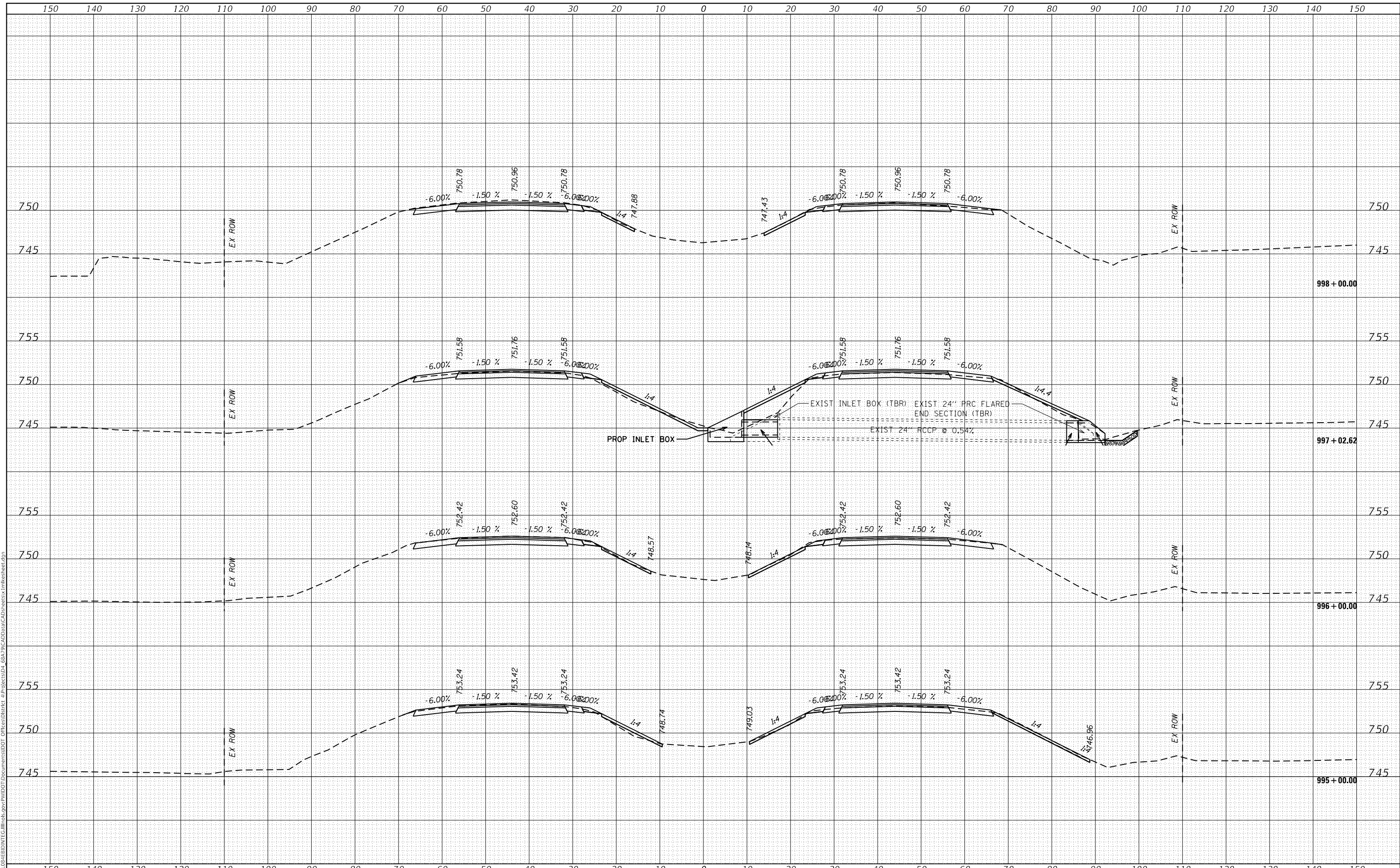
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SCALE:	SHEET	OF	SHEETS
STA. 991+00.00		TO STA. 994+00.00	

F.A.I. RTE. 74	SECTION (X3-16, 17, 90-15)RS-5 (57-17)RS-4	COUNTY TAZEWELL/WOODFORD/MCCLENNAN	TOTAL SHEETS 504	SHEET NO. 285
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

USER NAME = gavinaj	DESIGNED -	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/5/2018	DATE -	REVISED -

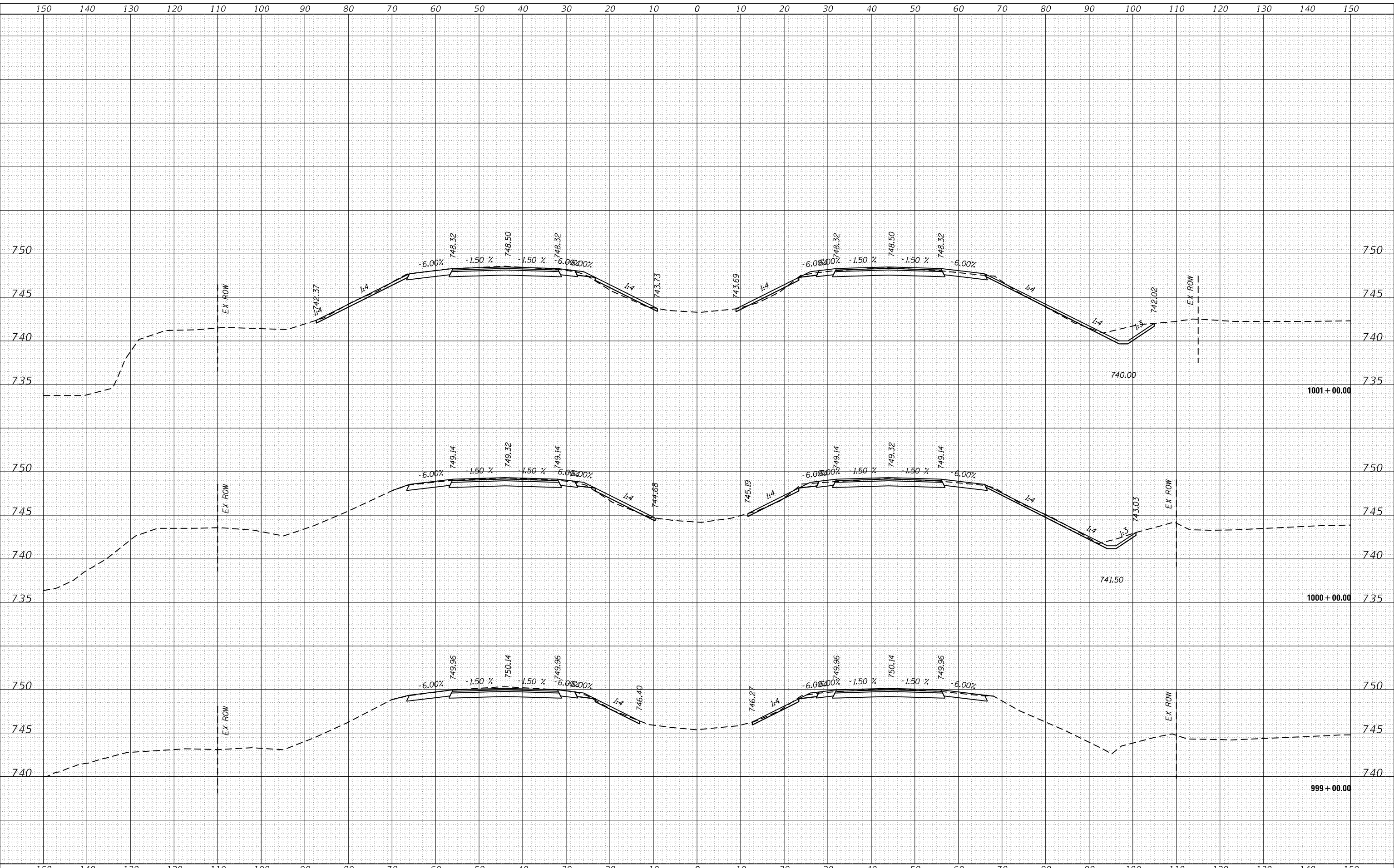
SCALE: SHEET OF SHEETS STA. 995+00.00 TO STA. 998+00.00

F.A.I. RTE. 74	SECTION (X3-16, 17, 90-15)RS-5; (57-17)RS-4	COUNTY TAZEWELL/WOODFORD/MCCLELLAN	TOTAL SHEETS 504	SHEET NO. 286
FAP 702 (IL 117)	CONTRACT NO. 68A79			
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
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NOTE BOOK	PLOTTED	BY
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PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

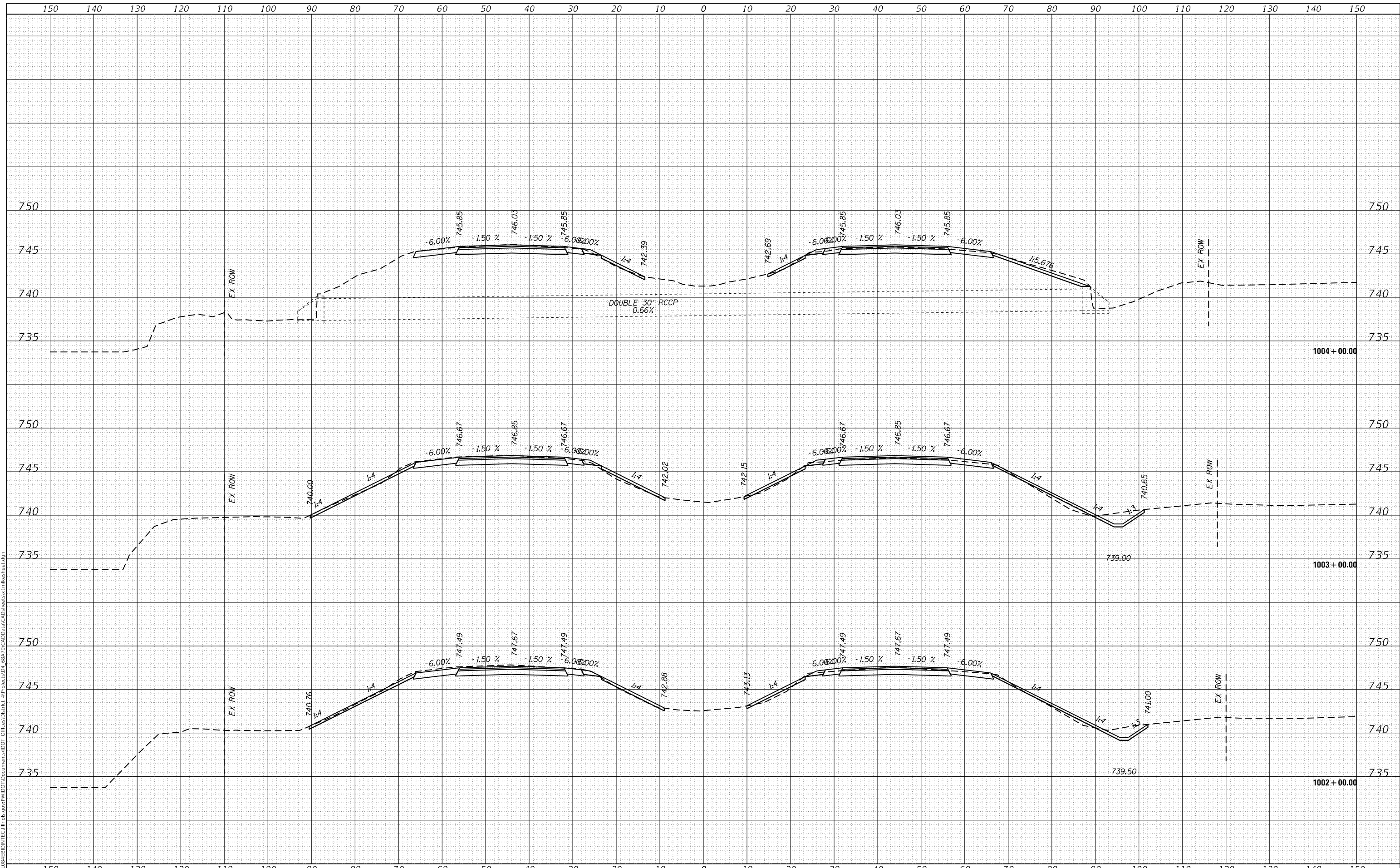
SCALE: SHEET OF SHEETS STA. 999+00.00 TO STA. 1001+00.00

F.A.I. RTE. 74	SECTION (X3-16, 17; 90-15)RS-5; (57-17)RS-4	COUNTY TAZEWELL/WOODFORD/MCCLELLAN	TOTAL SHEETS 504	SHEET NO. 287
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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USER NAME = gavinaj	DESIGNED -	REVISED -
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PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

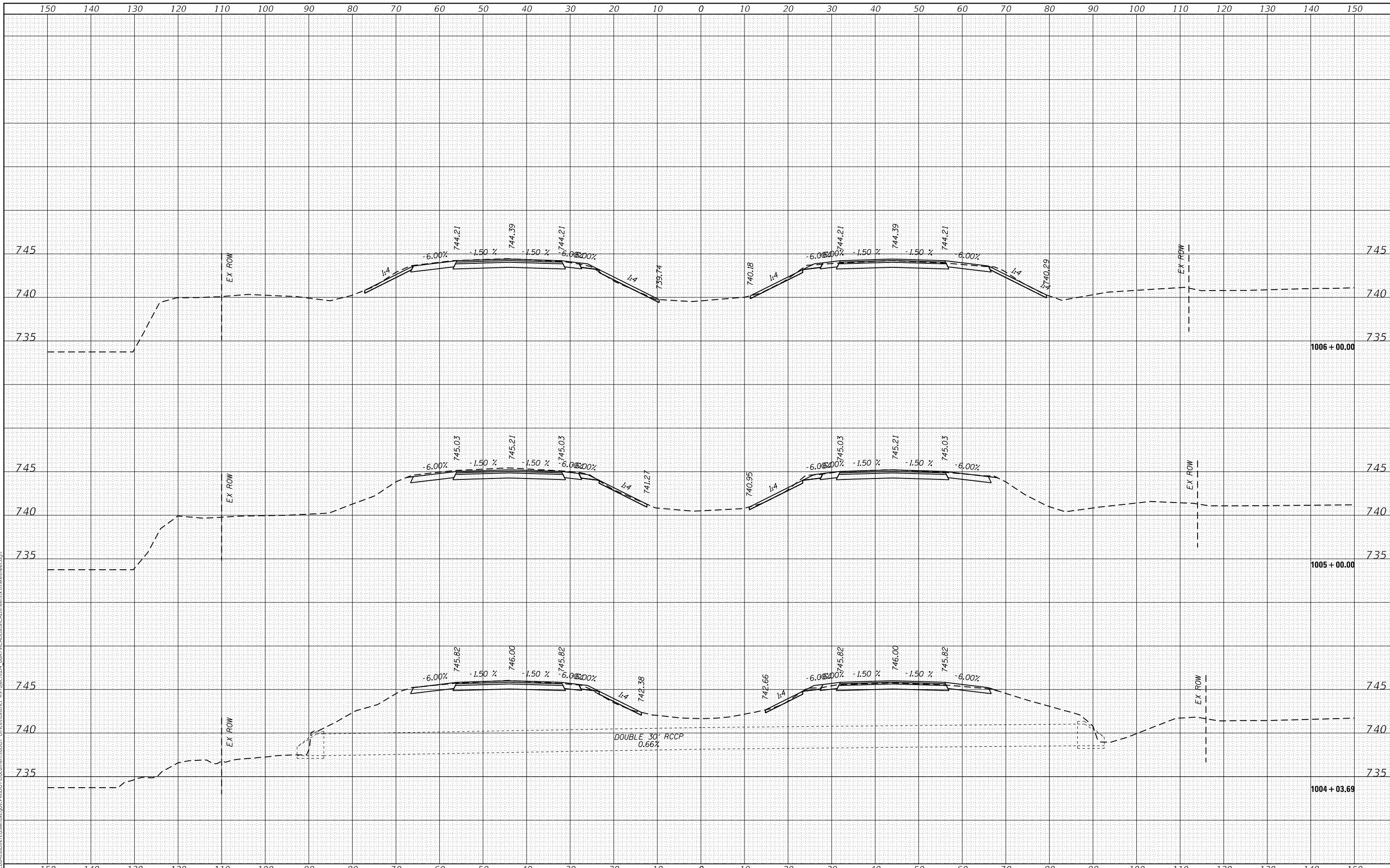
SCALE: SHEET OF SHEETS STA. 1002+00.00 TO STA. 1004+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17, 90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/ MCCLEAN	504	288
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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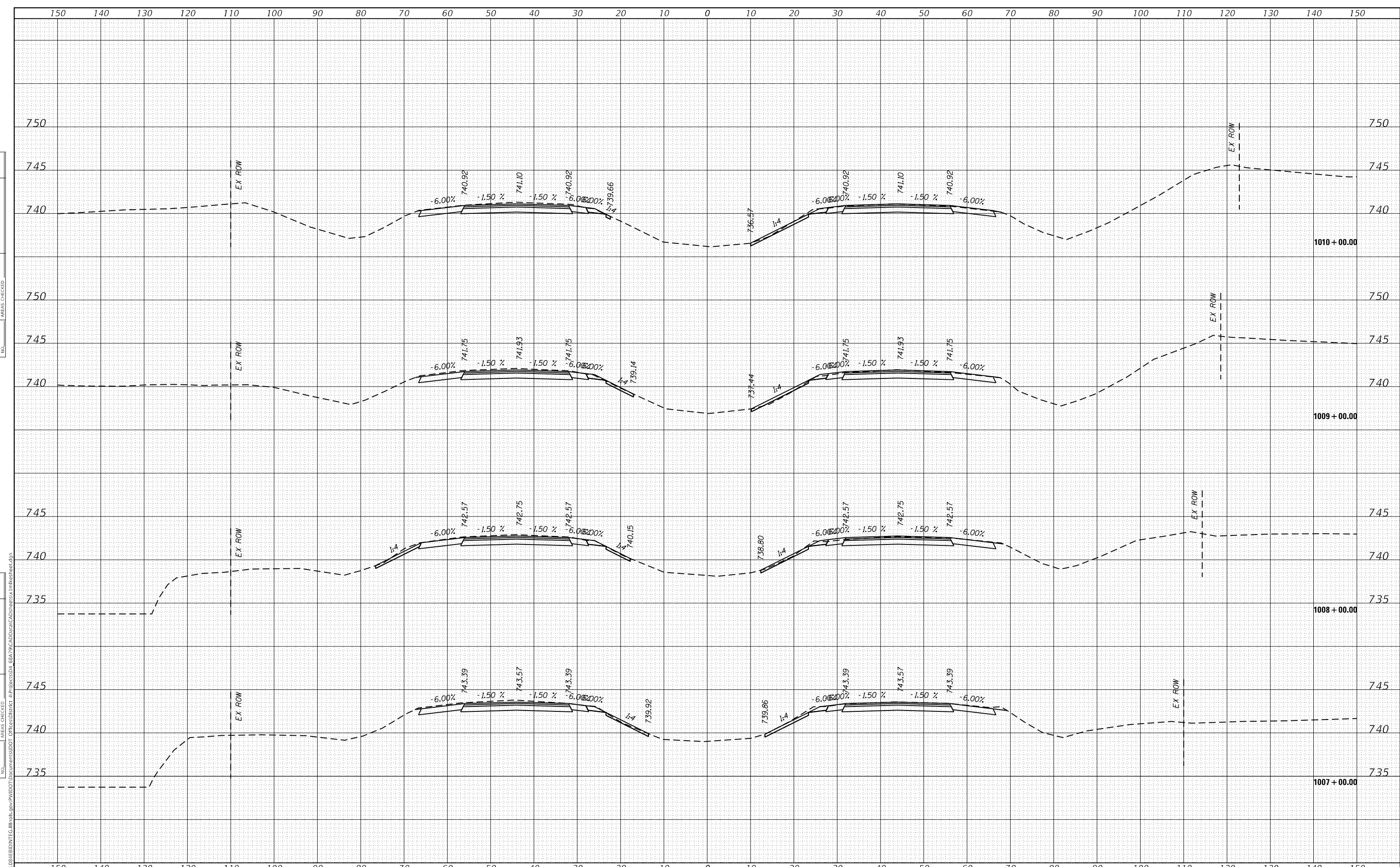
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

USER NAME = gavinaj	DESIGNED -	REVISED -	F.A.I. RTE. 74	SECTION (X3-16, 17, 90-15)RS-5; (57-17)RS-4	COUNTY TAZEWELL/WOODFORD/MCCLELLAN	TOTAL SHEETS 504	SHEET NO. 289
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -	FAP 702	CONTRACT NO. 68A79			
PLOT DATE = 2/5/2018	DATE -	REVISED -	SCALE:	SHEET OF SHEETS	STA. 1004+03.69 TO STA. 1006+00.00	ILLINOIS FED. AID PROJECT	



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

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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USER NAME = gavinaj	DESIGNED -	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

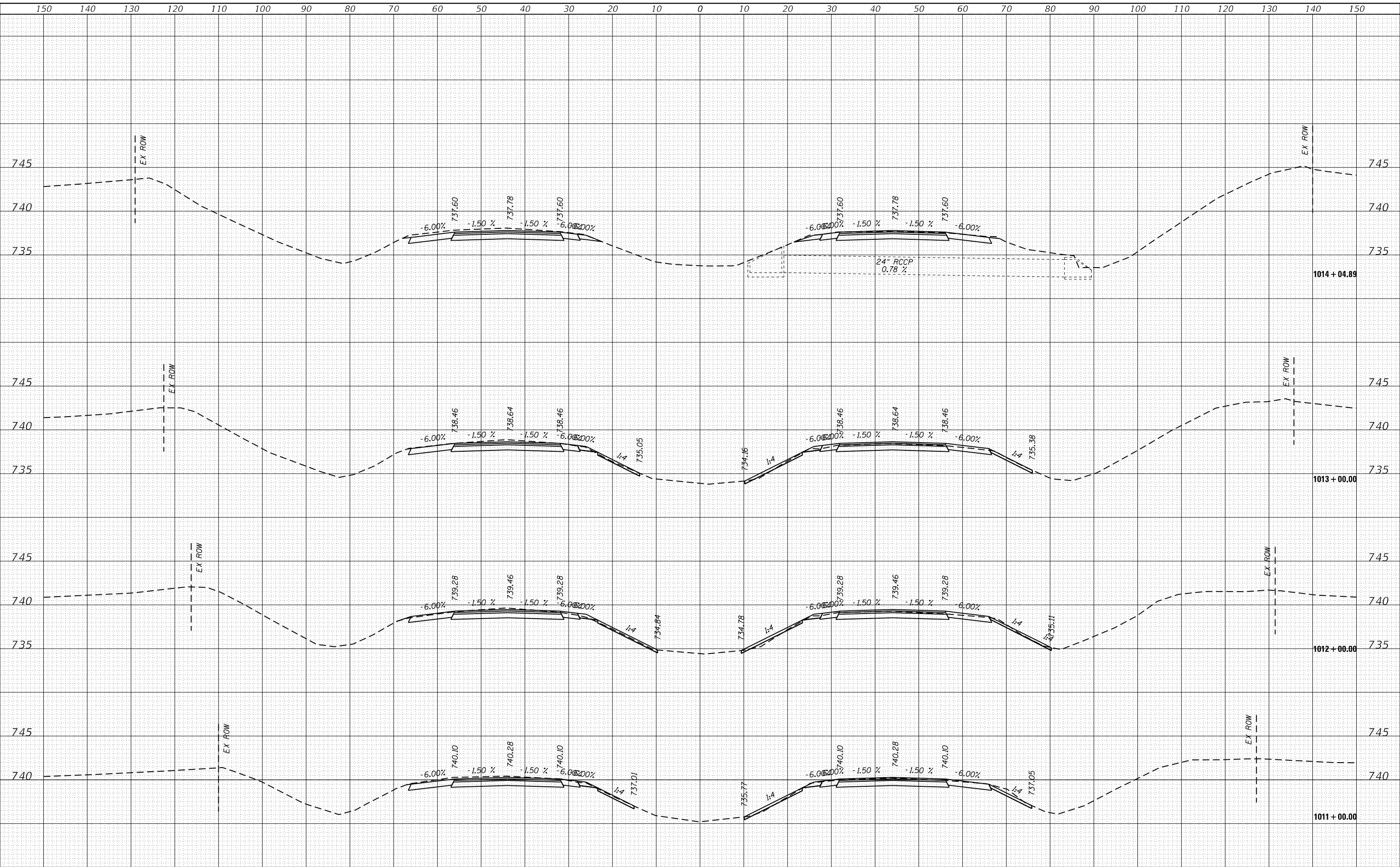
CROSS SECTIONS			
SCALE:	SHEET	OF SHEETS	STA. 1007+00.00 TO STA. 1010+00.00

F.A.I. RTE. 74	SECTION (X3-16, 17, 90-15)RS-5; (57-17)RS-4	COUNTY TAZEWELL / WOODFORD / MCLEAN	TOTAL SHEETS 504	SHEET NO. 290
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

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TEMPLATE	
NOTE BOOK	
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 OFFICE: DISTRICT 11
 USER: gavinaj



USER NAME = gavinaj	DESIGNED -	REVISED -
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PLOT DATE = 2/5/2018	CHECKED -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

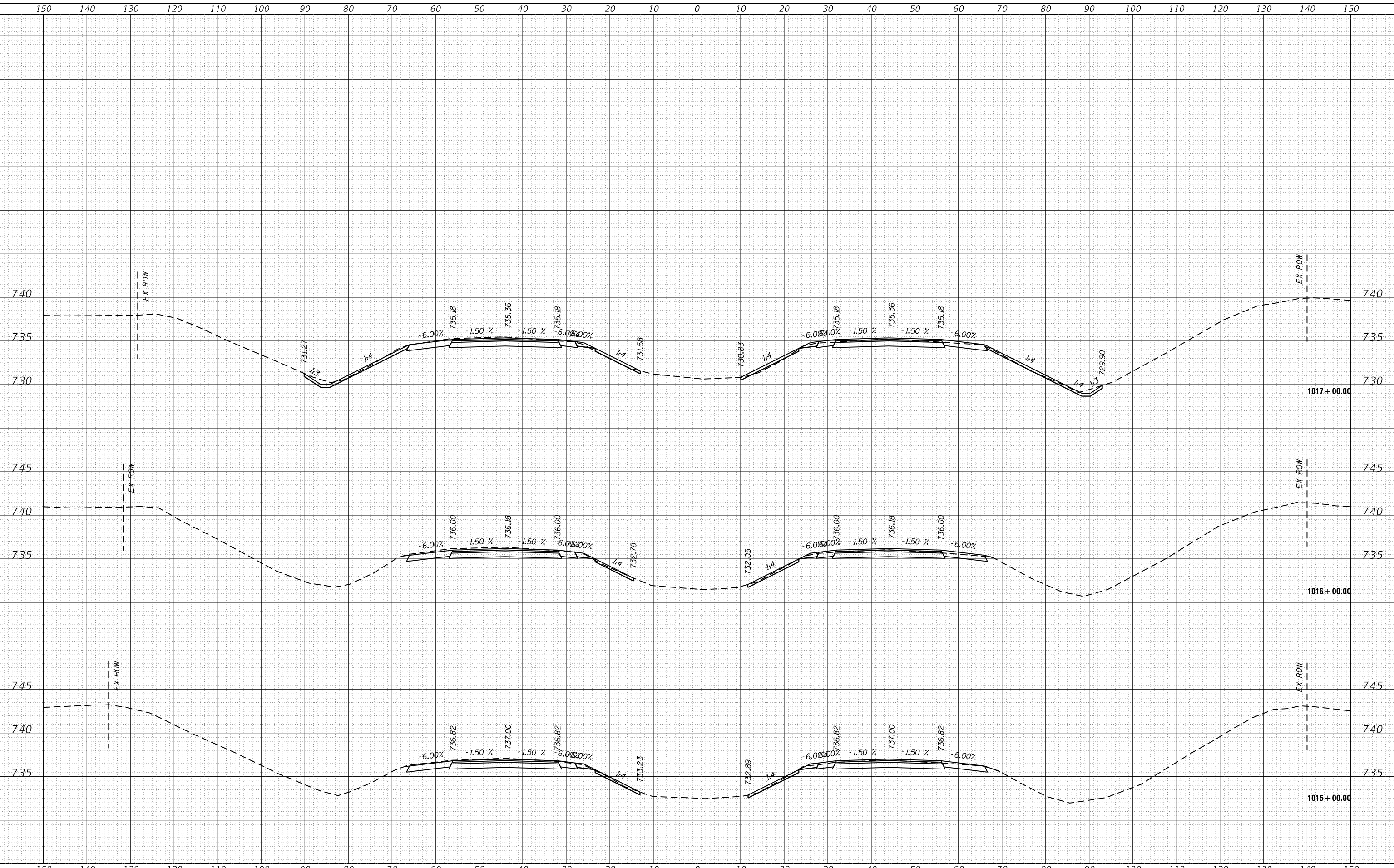
CROSS SECTIONS	
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F.A.I. RTE. 74	SECTION (X3-16, 17, 90-15)RS-5; (57-17)RS-4	COUNTY TAZEWELL/WOODFORD/MCCLENN	TOTAL SHEETS 504	SHEET NO. 291
FAP 702	CONTRACT NO. 68A79		ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED
NOTE BOOK NO.	PLOTTED
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ORIGINAL SURVEY NO.	SURVEYED
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

USER NAME = gavinaj	DESIGNED -	REVISED -
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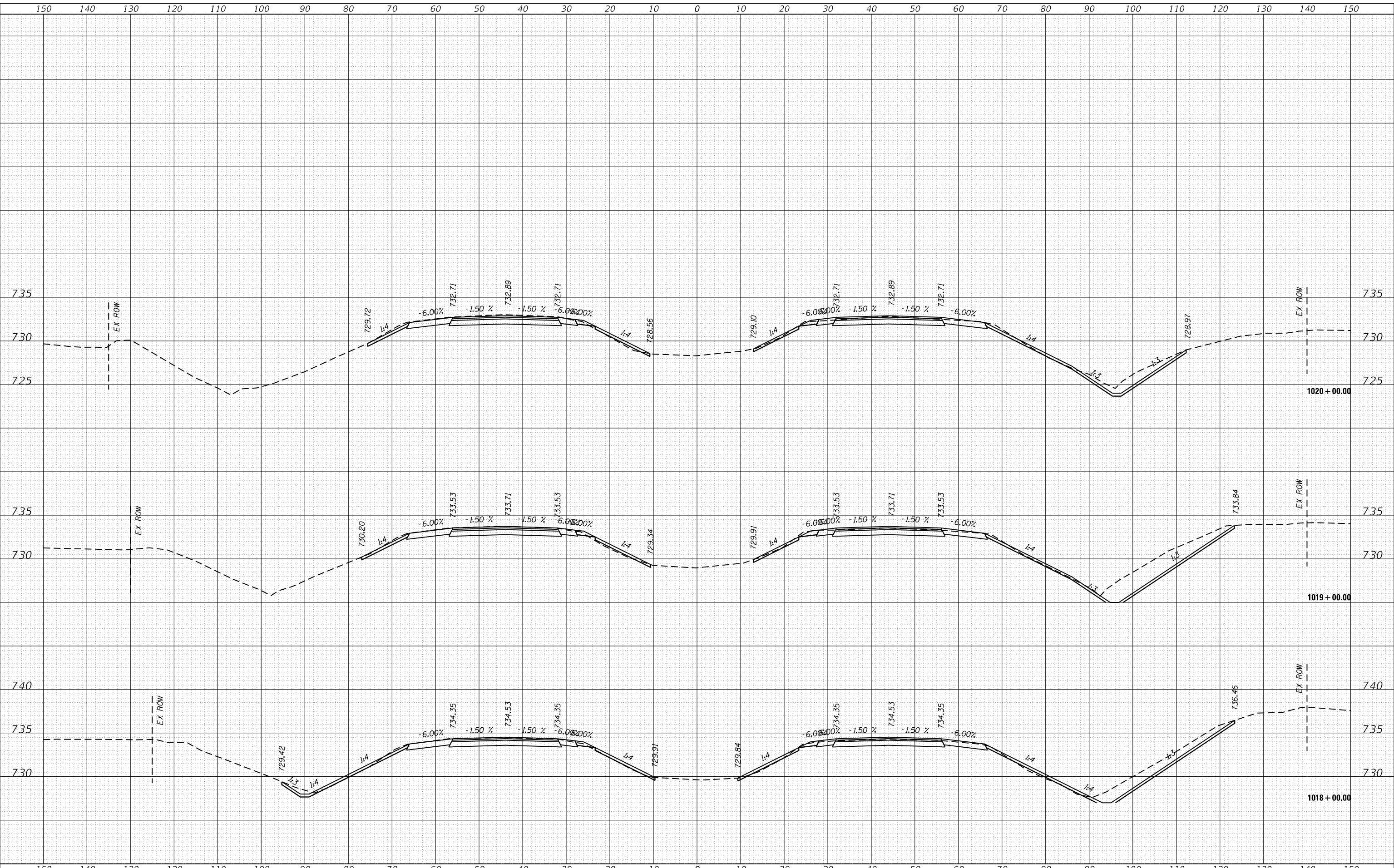
SCALE: SHEET OF SHEETS STA. 1015+00.00 TO STA. 1017+00.00

F.A.I. RTE. 74	SECTION (X3-16, 17, 90-15)RS-5; (57-17)RS-4	COUNTY TAZEWELL/WOODFORD/MCCLELLAN	TOTAL SHEETS 504	SHEET NO. 292
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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 USER: gavinaj



**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

USER NAME = gavinaj	DESIGNED -	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/5/2018	DATE -	REVISED -

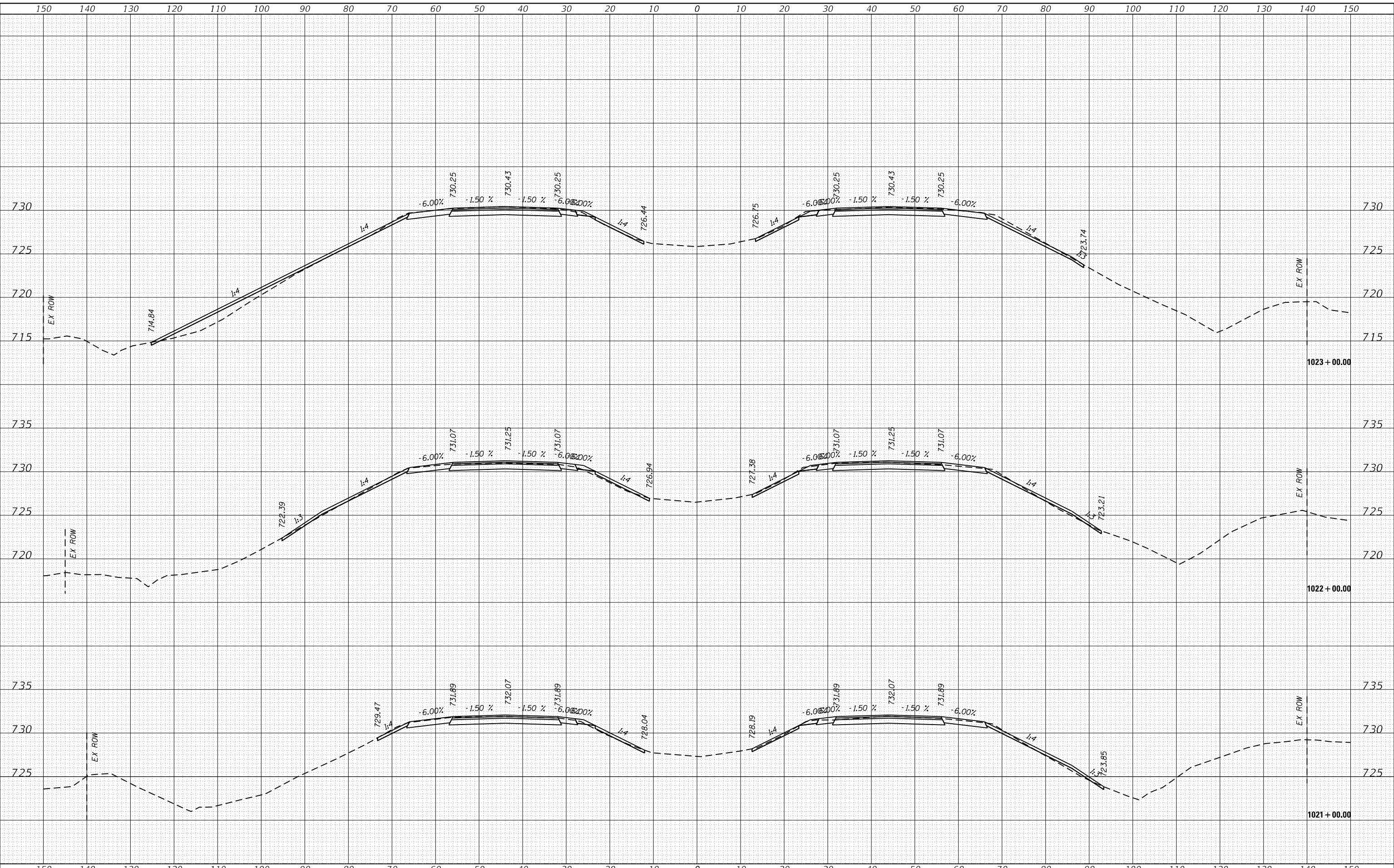
SCALE: SHEET OF SHEETS STA. 1018+00.00 TO STA. 1020+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17, 90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/ MCCLEAN	504	293
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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USER NAME = gavinaj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

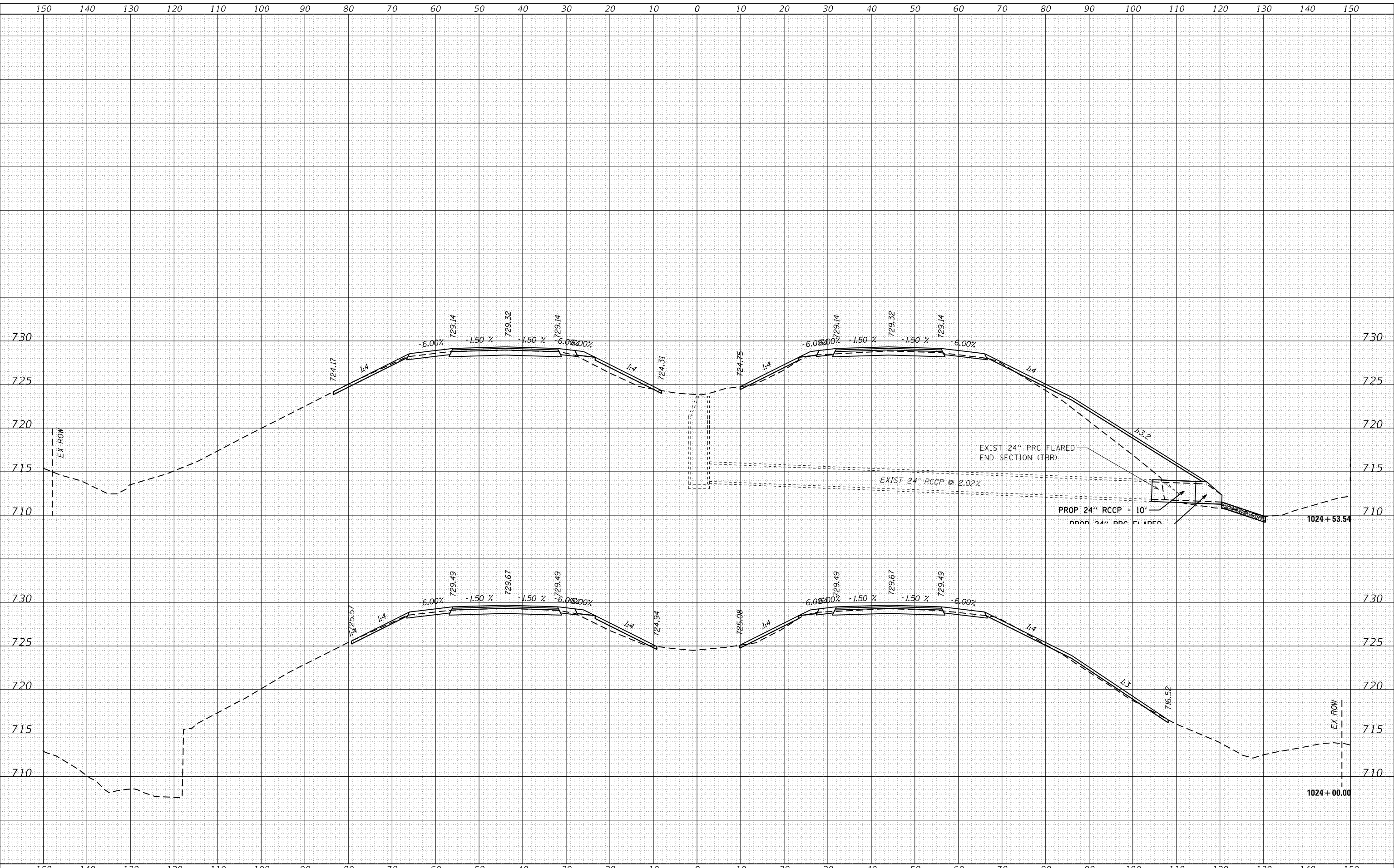
SCALE: SHEET OF SHEETS STA. 1021+00.00 TO STA. 1023+00.00

F.A.I. RTE. 74	SECTION (X3-16, 17; 90-15)RS-5; (57-17)RS-4	COUNTY TAZEWELL/WOODFORD/MCCLELLAN	TOTAL SHEETS 504	SHEET NO. 294
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

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

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

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USER NAME = gavinaj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

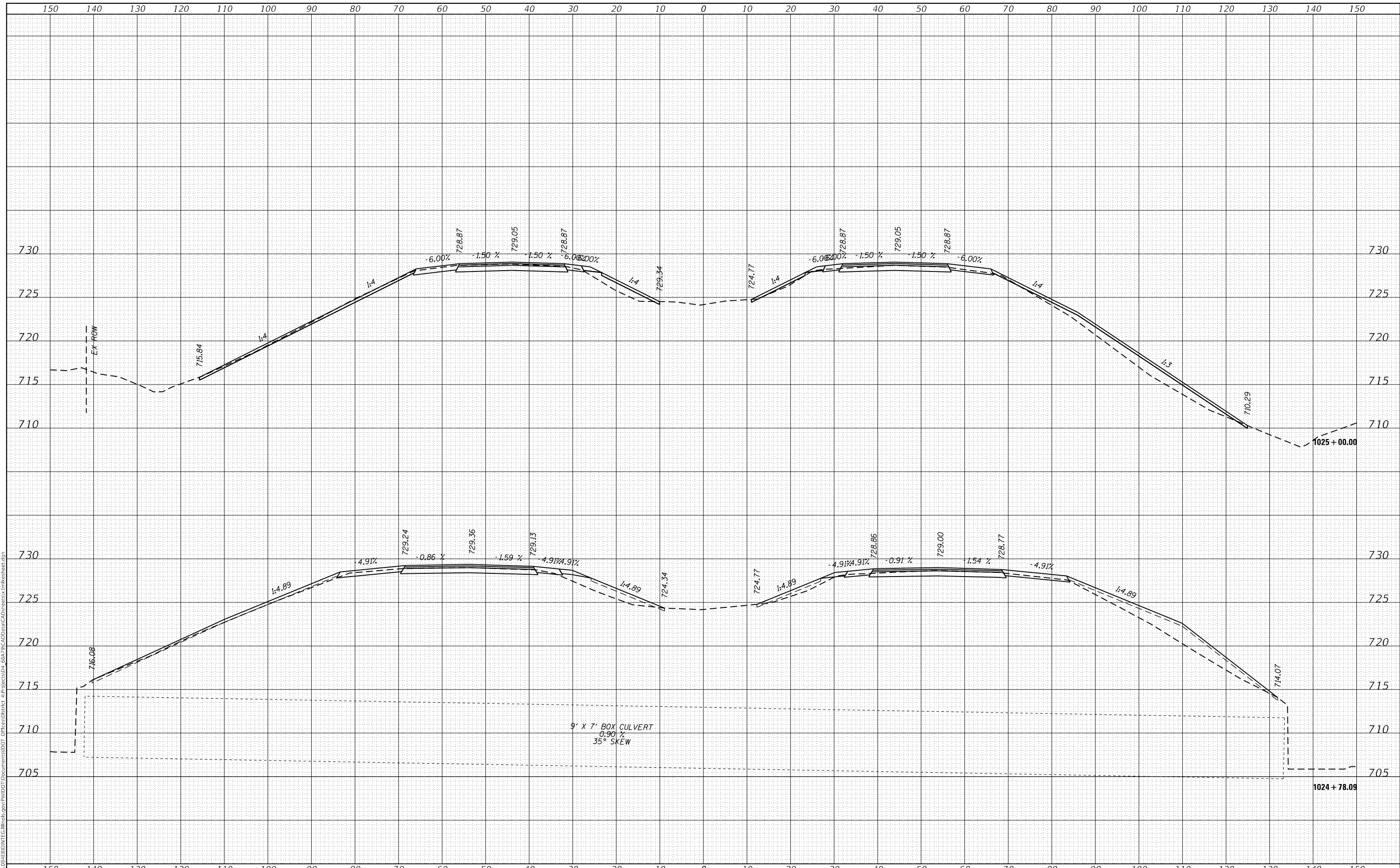
SCALE: SHEET OF SHEETS STA. 1024+00.00 TO STA. 1024+53.54

F.A.I. RTE. 74	SECTION (X3-16, 17; 90-15)RS-5; (57-17)RS-4	COUNTY TAZEWELL/WOODFORD/MCCLEAN	TOTAL SHEETS 504	SHEET NO. 295
FAP 702 (IL 117)	CONTRACT NO. 68A79			
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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USER NAME = gavinaj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

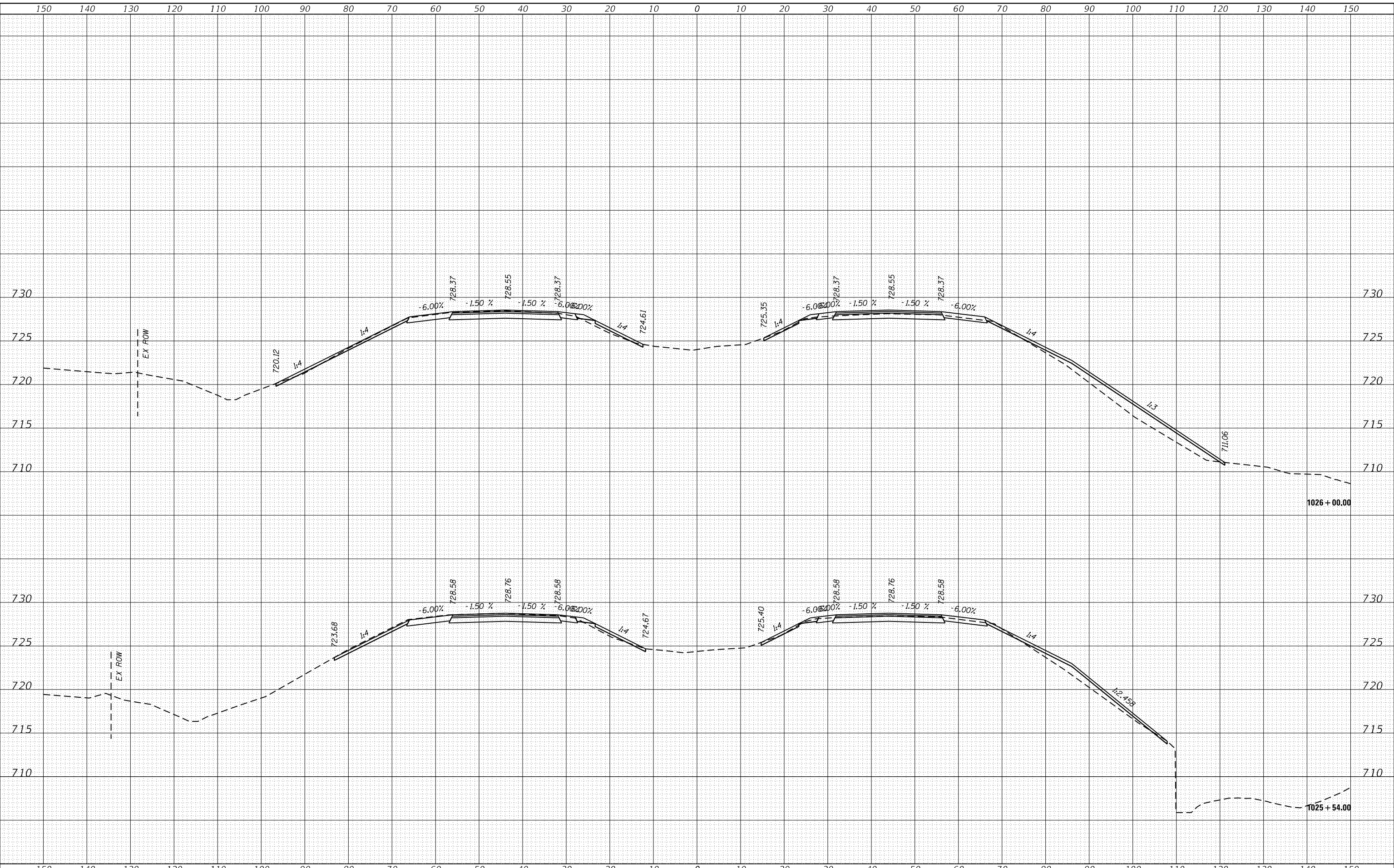
SCALE: SHEET OF SHEETS STA. 1024+78.09 TO STA. 1025+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17, 90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/ MCCLEAN	504	296
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

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

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

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USER NAME = gavinaj	DESIGNED -	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

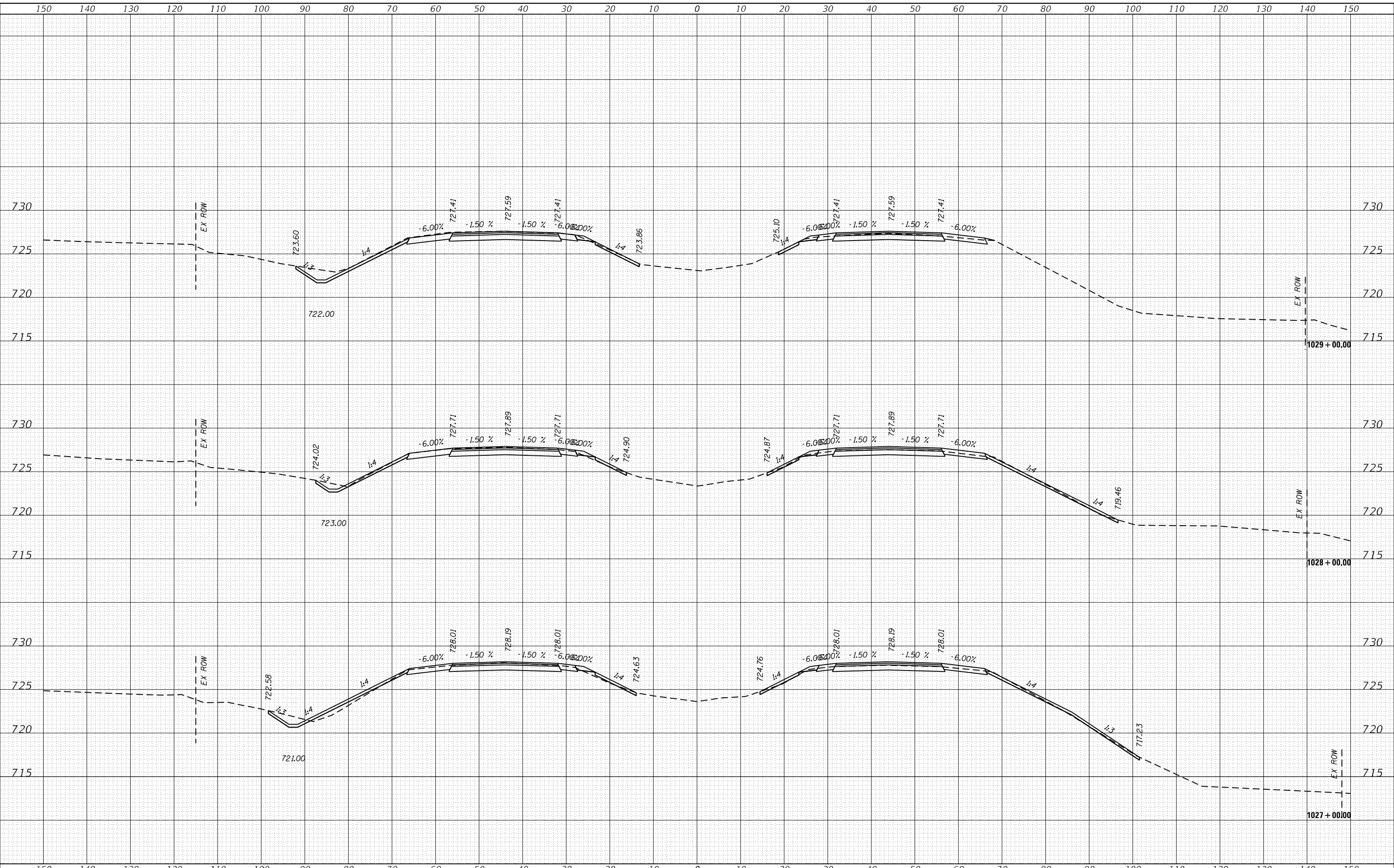
SCALE: SHEET OF SHEETS STA. 1025+54.00 TO STA. 1026+00.00

F.A.I. RTE. 74	SECTION (X3-16, 17; 90-15)RS-5; (57-17)RS-4	COUNTY TAZEWELL/WOODFORD/MCCLEAN	TOTAL SHEETS 504	SHEET NO. 297
FAP 702 (IL 117)	CONTRACT NO. 68A79			
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = gavinaj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/5/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

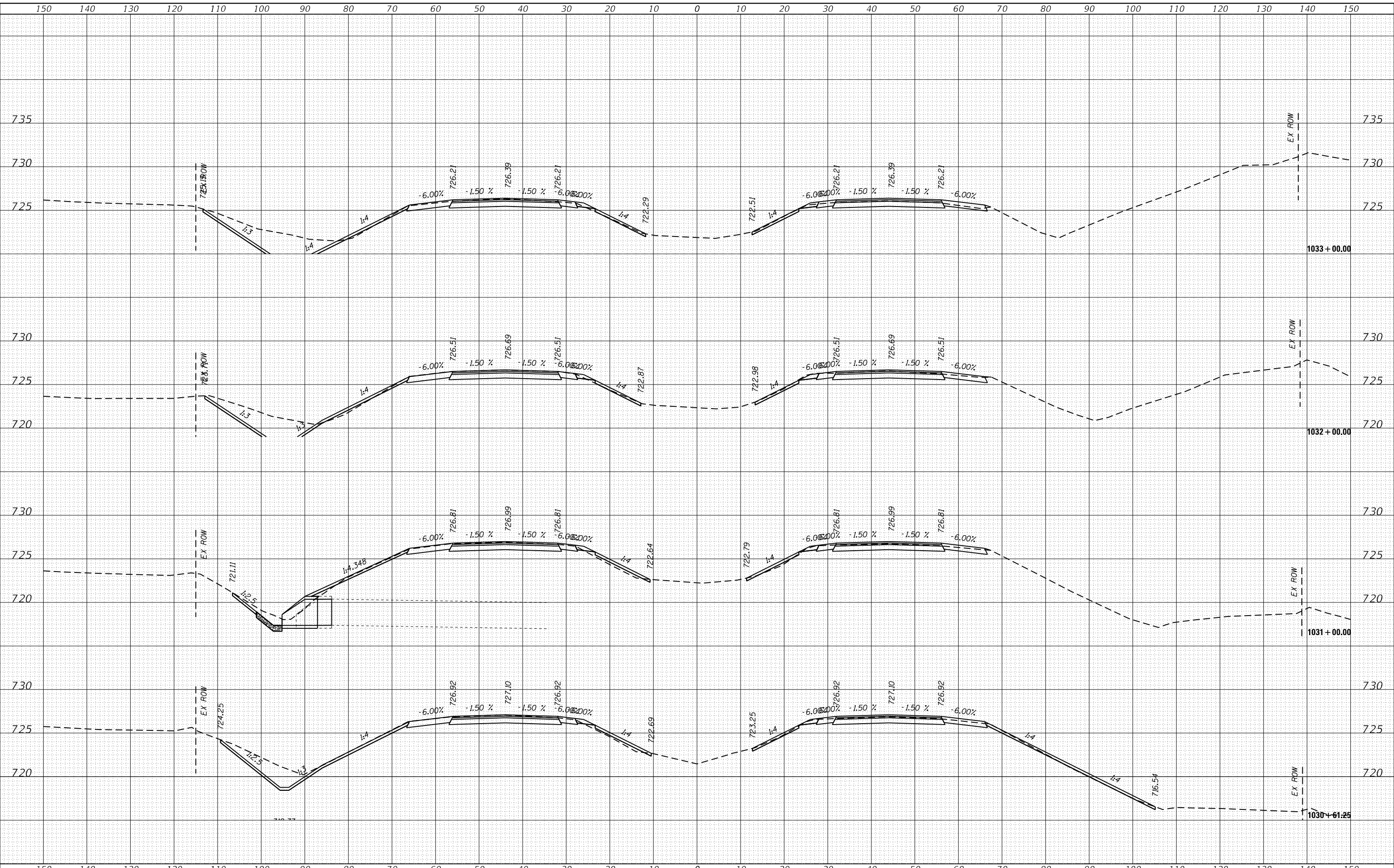
SCALE: SHEET OF SHEETS STA. 1027+00.00 TO STA. 1029+00.00

F.A.I. RTE. 74	SECTION (X3-16, 17, 90-15)RS-5; (57-17)RS-4	COUNTY TAZEWELL/MOOREFORD/MCCLELLAN	TOTAL SHEETS 504	SHEET NO. 298
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			

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

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

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

USER NAME	= gavinaj
DESIGNED	-
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REVISIONS	-
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REVISIONS	-
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SCALE: SHEET OF SHEETS STA. 1030+61.25 TO STA. 1033+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(X3-16, 17, 90-15)RS-5; (57-17)RS-4	TAZEWELL/WOODFORD/ MCCLEAN	504	300
FAP 702	CONTRACT NO. 68A79			
(IL 117)	ILLINOIS FED. AID PROJECT			