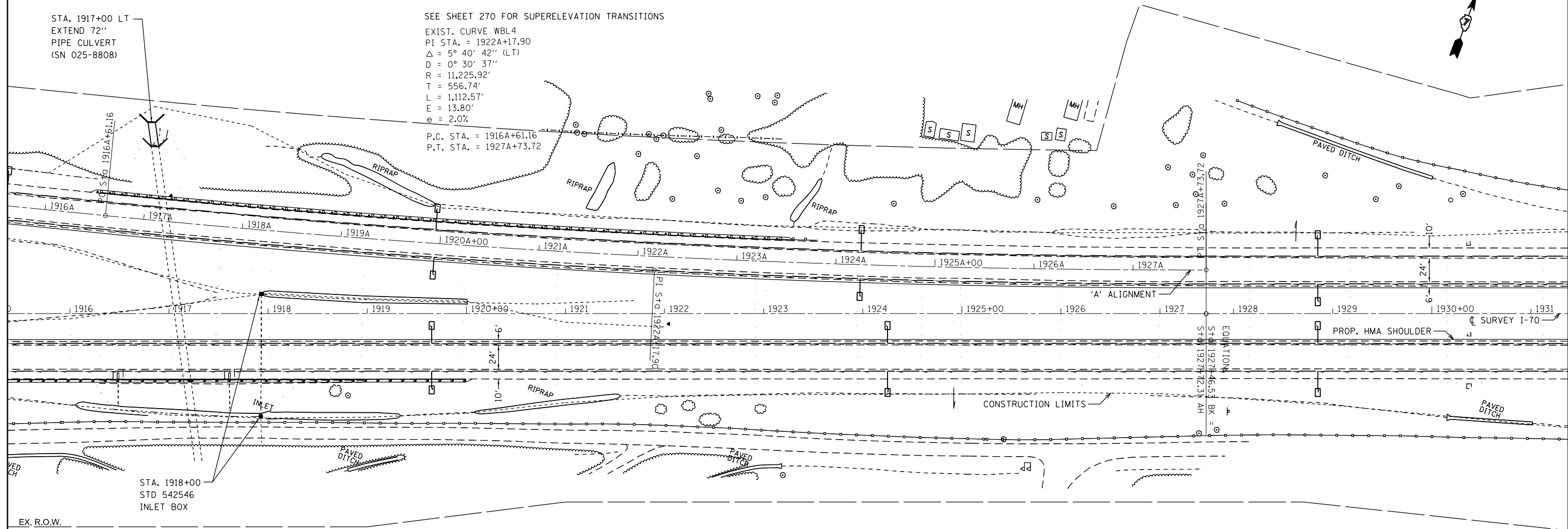


WB LT 1917A+00	
EXPANSION BOLTS 3/4 INCH	4 EACH
PRECAST REINFORCED CONC FLARED END SECTIONS 72"	1 EACH
CONCRETE COLLAR	0.67 CU YD
PIPE CULVERTS, CLASS A, TYPE 4 72"	24.0 FT
FLOWLINE OF PROPOSED PIPE CULVERT = 530.58	

STA. 1917+00 LT
EXTEND 72"
PIPE CULVERT
(SN 025-8808)

SEE SHEET 270 FOR SUPERELEVATION TRANSITIONS
EXIST. CURVE WBL4
PI STA. = 1922A+17.90
 $\Delta = 5^\circ 40' 42''$ (LT)
D = 0° 30' 37"
R = 11,225.92'
T = 556.74'
L = 1,112.57'
E = 13.80'
e = 2.0%

P.C. STA. = 1916A+61.16
P.T. STA. = 1927A+73.72



STA. 1918+00
STD 542546
INLET BOX

EB LT STA 1918+00	
FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	1 EACH
PROPOSED GRATE ELEVATION = 550.00 / CENTER OF INLET = 20.22' LT	
EB RT STA 1918+00	
FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	1 EACH
PROPOSED GRATE ELEVATION = 546.30 / CENTER OF INLET = 103.94' RT	

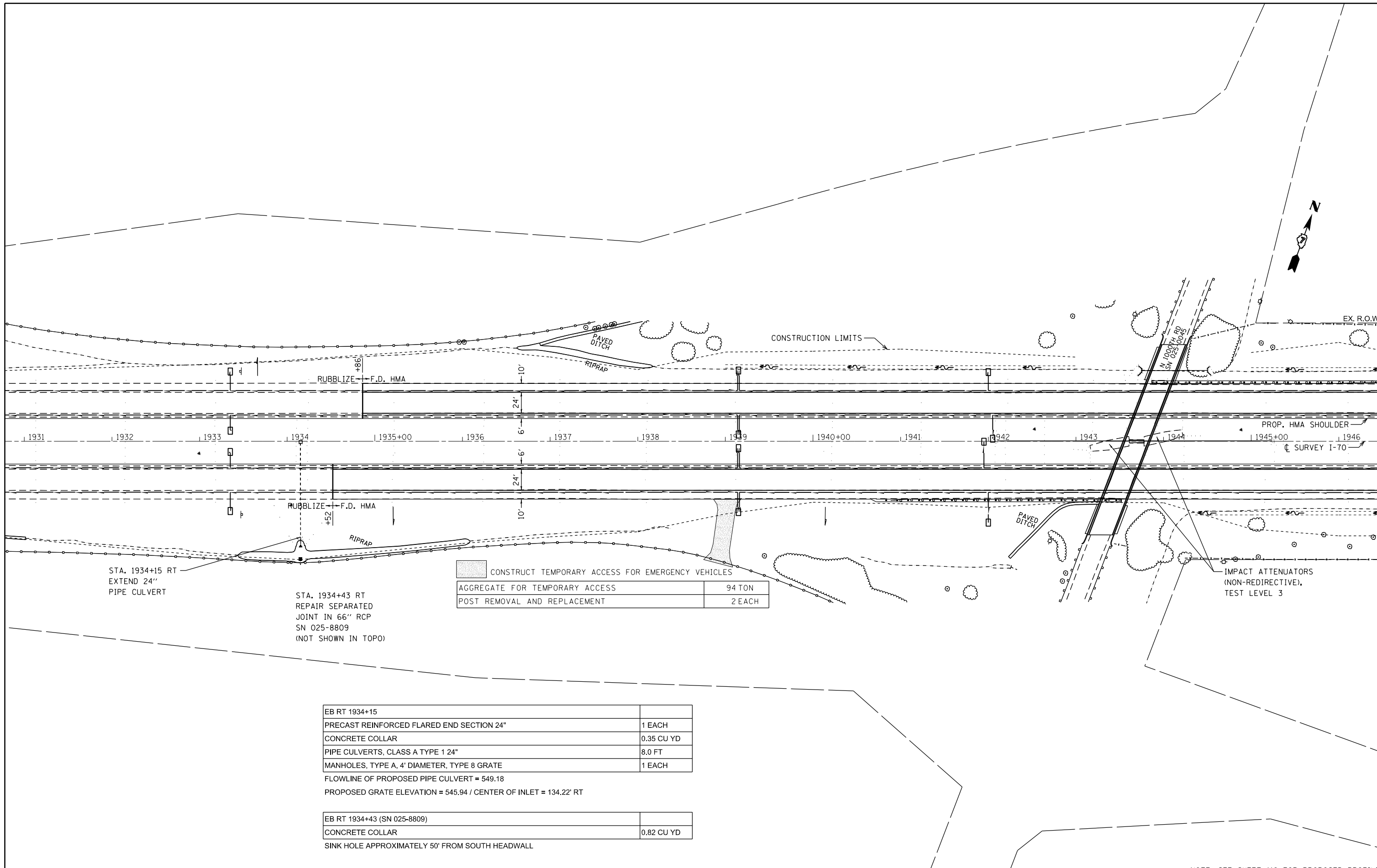
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 5/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS I-70

SCALE: SHEET OF SHEETS STA. 1915 TO STA. 1931

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	101
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	



STA. 1934+15 RT
EXTEND 24"
PIPE CULVERT

STA. 1934+43 RT
REPAIR SEPARATED
JOINT IN 66" RCP
SN 025-8809
(NOT SHOWN IN TOPO)

CONSTRUCT TEMPORARY ACCESS FOR EMERGENCY VEHICLES	
AGGREGATE FOR TEMPORARY ACCESS	94 TON
POST REMOVAL AND REPLACEMENT	2 EACH

EB RT 1934+15	
PRECAST REINFORCED FLARED END SECTION 24"	1 EACH
CONCRETE COLLAR	0.35 CU YD
PIPE CULVERTS, CLASS A TYPE 1 24"	8.0 FT
MANHOLES, TYPE A, 4' DIAMETER, TYPE 8 GRATE	1 EACH

FLOWLINE OF PROPOSED PIPE CULVERT = 549.18
PROPOSED GRATE ELEVATION = 545.94 / CENTER OF INLET = 134.22' RT

EB RT 1934+43 (SN 025-8809)	
CONCRETE COLLAR	0.82 CU YD

SINK HOLE APPROXIMATELY 50' FROM SOUTH HEADWALL

NOTE: SEE SHEET 118 FOR PROPOSED PROFILE

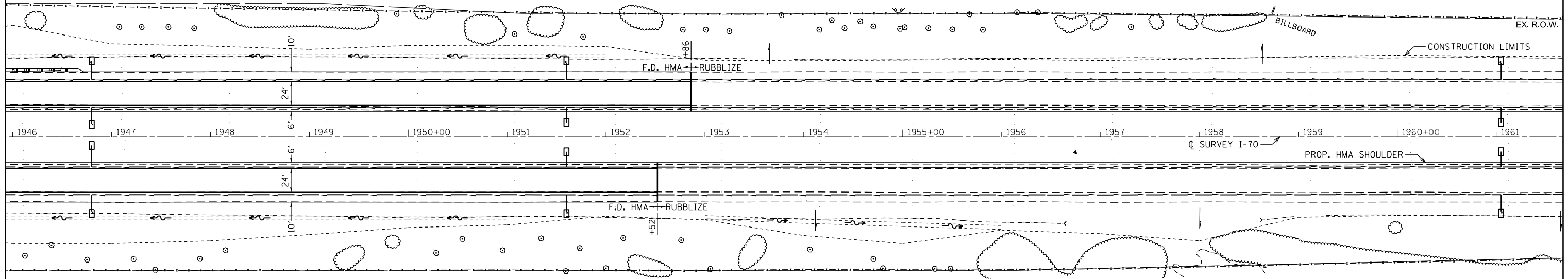
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/2/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS I-70

SCALE: SHEET OF SHEETS STA. 1931 TO STA. 1946

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	102
			CONTRACT NO. 74664	
ILLINOIS FED. AID PROJECT				



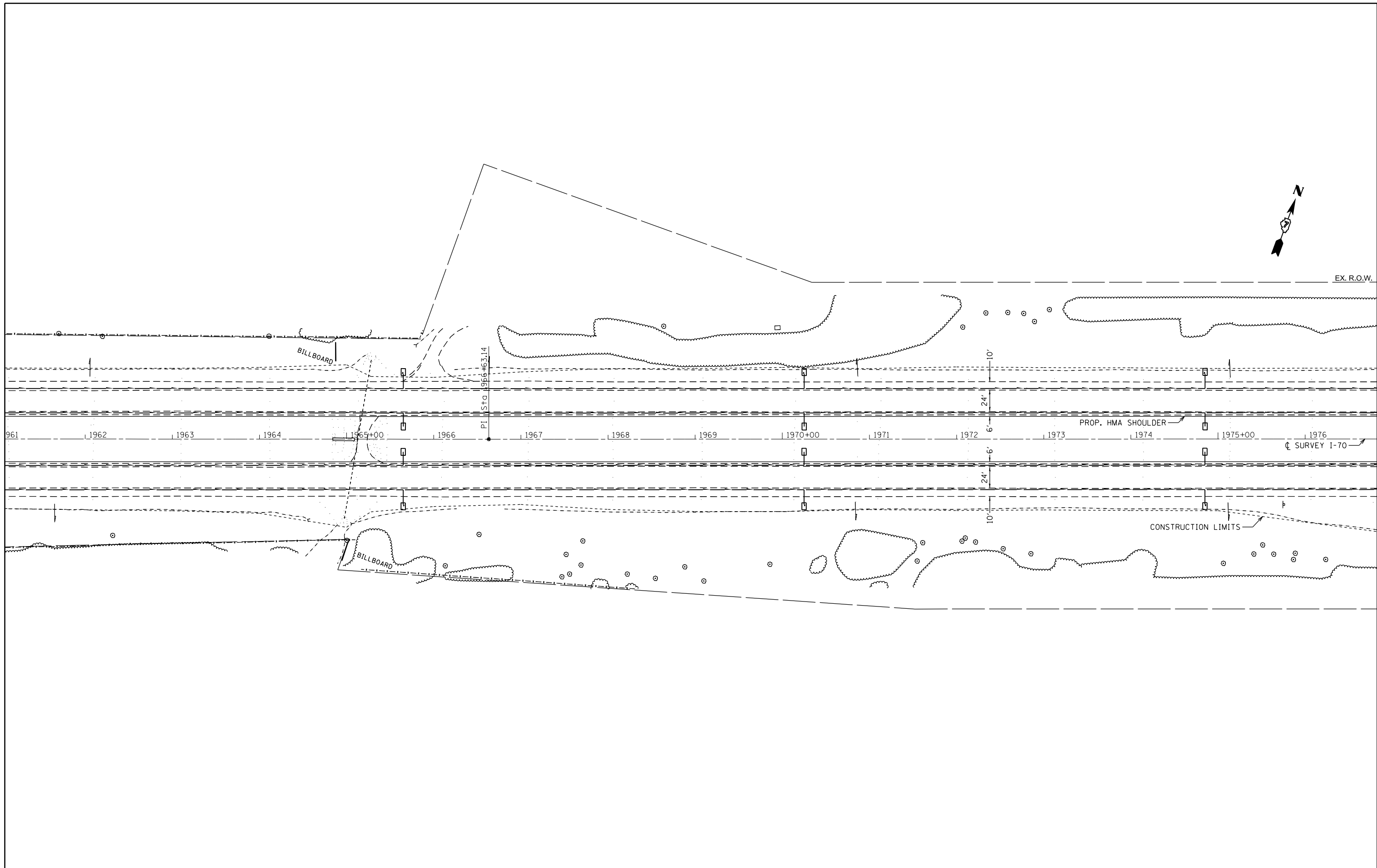
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS I-70

SCALE: SHEET OF SHEETS STA. 1946 TO STA. 1961

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	103
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	



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

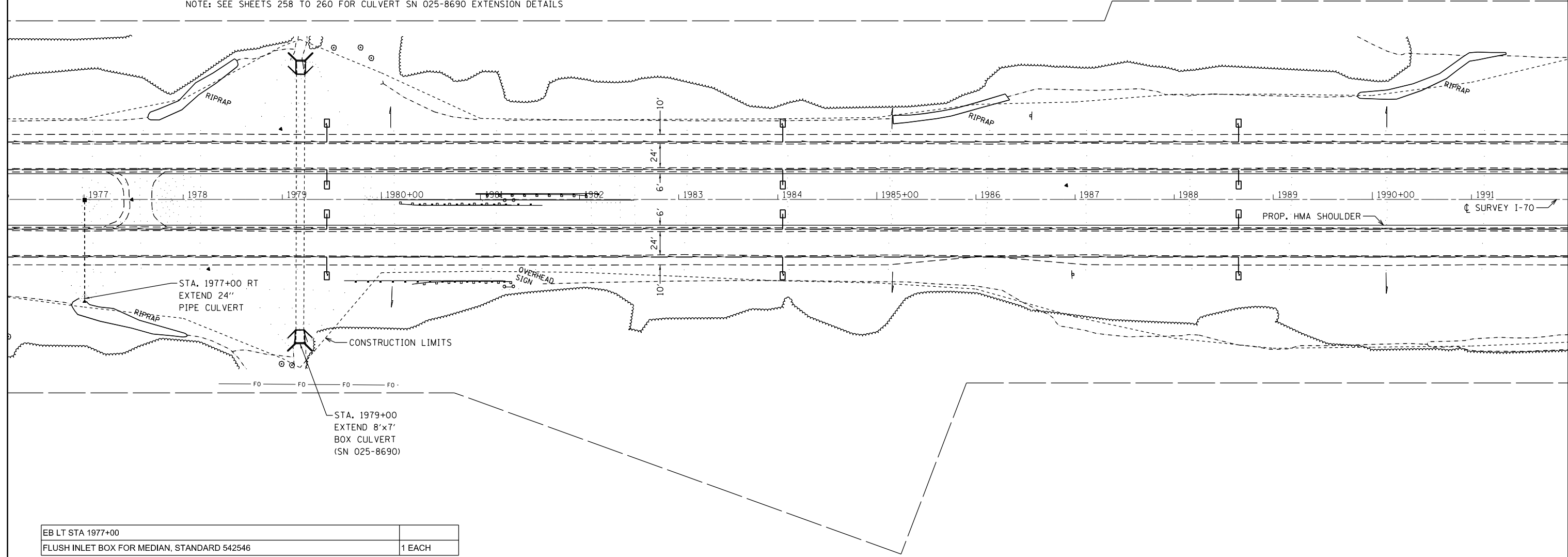
PLAN SHEETS I-70			
SCALE:	SHEET	OF	SHEETS
	STA. 1961		TO STA. 1977

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	104
			CONTRACT NO. 74664	
ILLINOIS FED. AID PROJECT				



NOTE: SEE SHEETS 258 TO 260 FOR CULVERT SN 025-8690 EXTENSION DETAILS

EX. R.O.W.



EB LT STA 1977+00	
FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	1 EACH
PROPOSED GRATE ELEVATION = 551.31 / CENTER OF INLET = 0.50' RT	

EB RT STA 1977+00	
PRECAST REINFORCED FLARED END SECTION 24"	1 EACH
CONCRETE COLLAR	0.35 CU YD
PIPE CULVERTS, CLASS A TYPE 1 24"	4.0 FT
FLOWLINE OF PROPOSED PIPE CULVERT = 545.67	

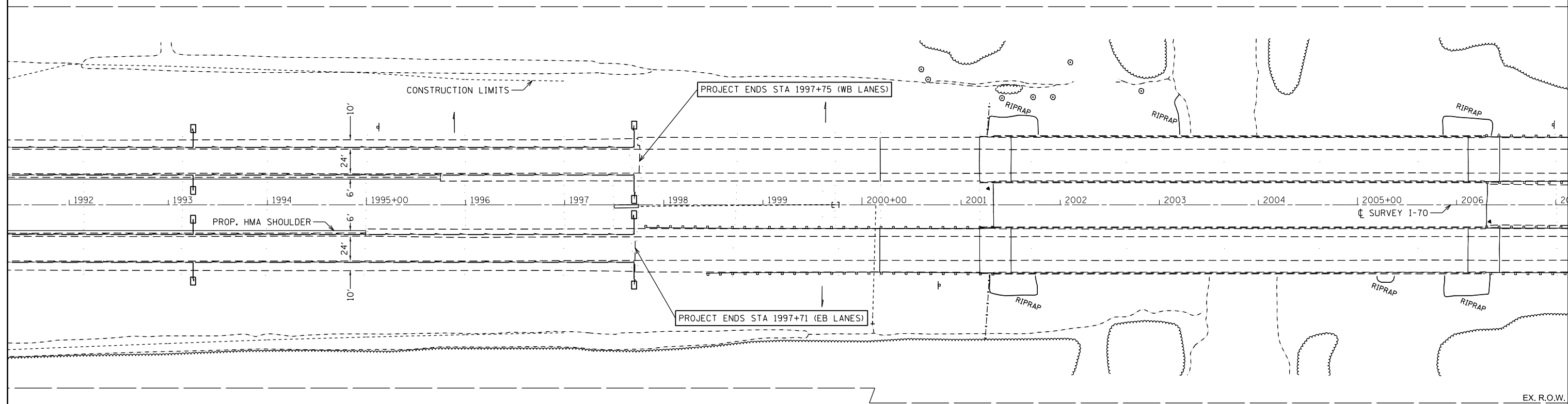
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS I-70

SCALE: SHEET OF SHEETS STA. 1977 TO STA. 1992

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	105
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74664	



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

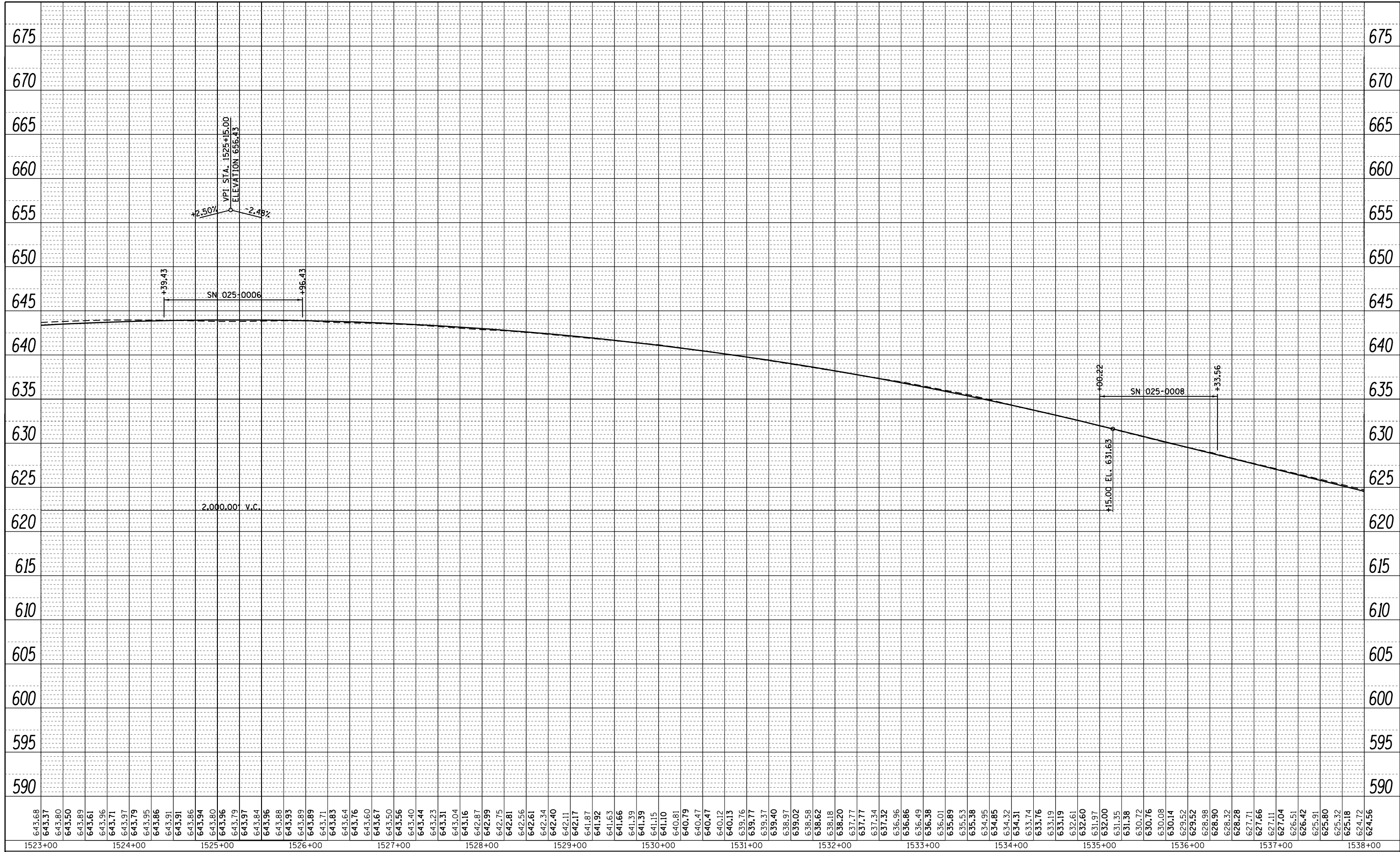
PLAN SHEETS I-70

SCALE: SHEET OF SHEETS STA. 1992 TO STA. 2007

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	106
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74664	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
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	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
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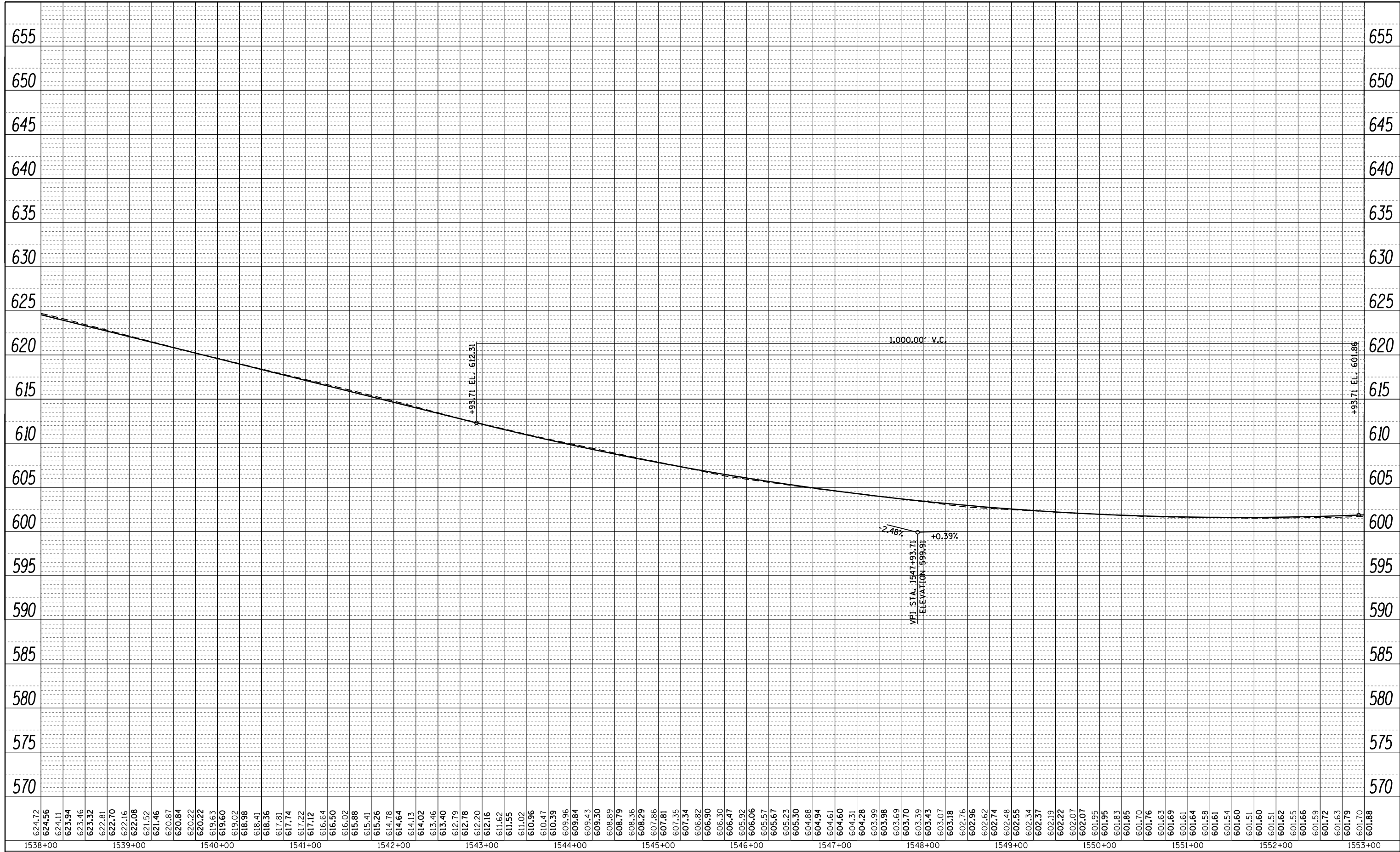
643.68	1523+00	643.37	1524+00	643.80	1525+00	643.96	1526+00	643.56	1527+00	642.99	1528+00	642.11	1529+00	641.15	1530+00	639.77	1531+00	638.20	1532+00	636.38	1533+00	634.31	1534+00	632.60	1535+00	631.35	1536+00	628.28	1537+00	624.56	1538+00
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		CHECKED -	REVISED -			70	(25-1,2)R	EFFINGHAM	496	107	
		DATE -	REVISED -			CONTRACT NO. 74664					
						ILLINOIS FED. AID PROJECT					

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
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PROFILE	SURVEYED	BY	DATE
GRADES CHECKED	PLOTTED		
STRUCTURE	NOT AT THIS OFFICE		



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROFILE WB LANES			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	108
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	ALIGNMENT		
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STRUCTURE	NOT AT THIS OFFICE		
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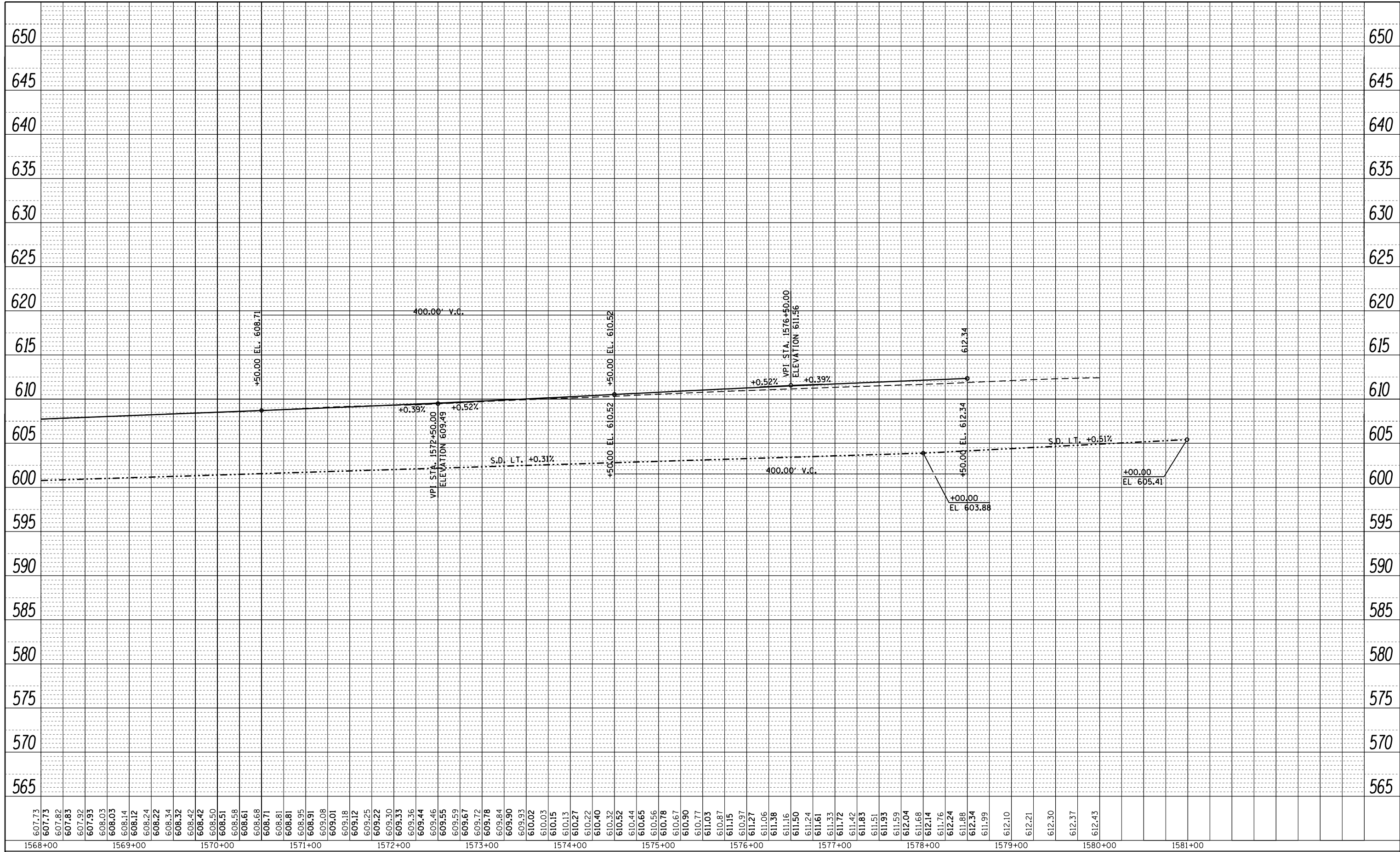
601.70	601.88	601.82	601.98	601.95	602.08	602.07	602.18	602.19	602.27	602.32	602.37	602.45	602.47	602.59	602.57	602.67	602.66	602.76	602.85	602.86	602.94	602.96	603.05	603.05	603.15	603.15	603.26	603.25	603.37	603.35	603.48	603.44	603.59	603.54	603.69	603.64	603.80	603.74	604.03	604.18	604.13	604.27	604.22	604.36	604.32	604.45	604.42	604.54	604.52	604.62	604.61	604.70	604.71	604.78	604.81	604.88	604.91	605.01	605.00	605.14	605.10	605.27	605.20	605.38	605.30	605.46	605.39	605.53	605.49	605.60	605.59	605.68	605.69	605.78	605.78	605.88	605.98	605.98	606.07	606.08	606.17	606.17	606.27	606.27	606.36	606.37	606.46	606.47	606.57	606.56	606.68	606.66	606.78	606.76	606.87	606.86	606.97	606.95	607.06	607.05	607.16	607.15	607.25	607.25	607.35	607.34	607.44	607.44	607.54	607.54	607.63	607.63	607.73	607.73
1553+00		1554+00		1555+00		1556+00		1557+00		1558+00		1559+00		1560+00		1561+00		1562+00		1563+00		1564+00		1565+00		1566+00		1567+00		1568+00																																																																																				

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROFILE WB LANES	F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 5/1/2017	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: SHEET OF SHEETS STA. TO STA.

PLAN	SURVEYED	BY	DATE
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NO.	CARD FILE NAME		

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



607.73	1568+00	607.73	1569+00	607.82	1570+00	608.14	1571+00	609.01	1572+00	609.78	1573+00	610.15	1574+00	610.52	1575+00	611.16	1576+00	611.83	1577+00	612.14	1578+00	612.34	1579+00	612.43	1580+00	612.43	1581+00
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FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROFILE WB LANES	F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 74664				
Default	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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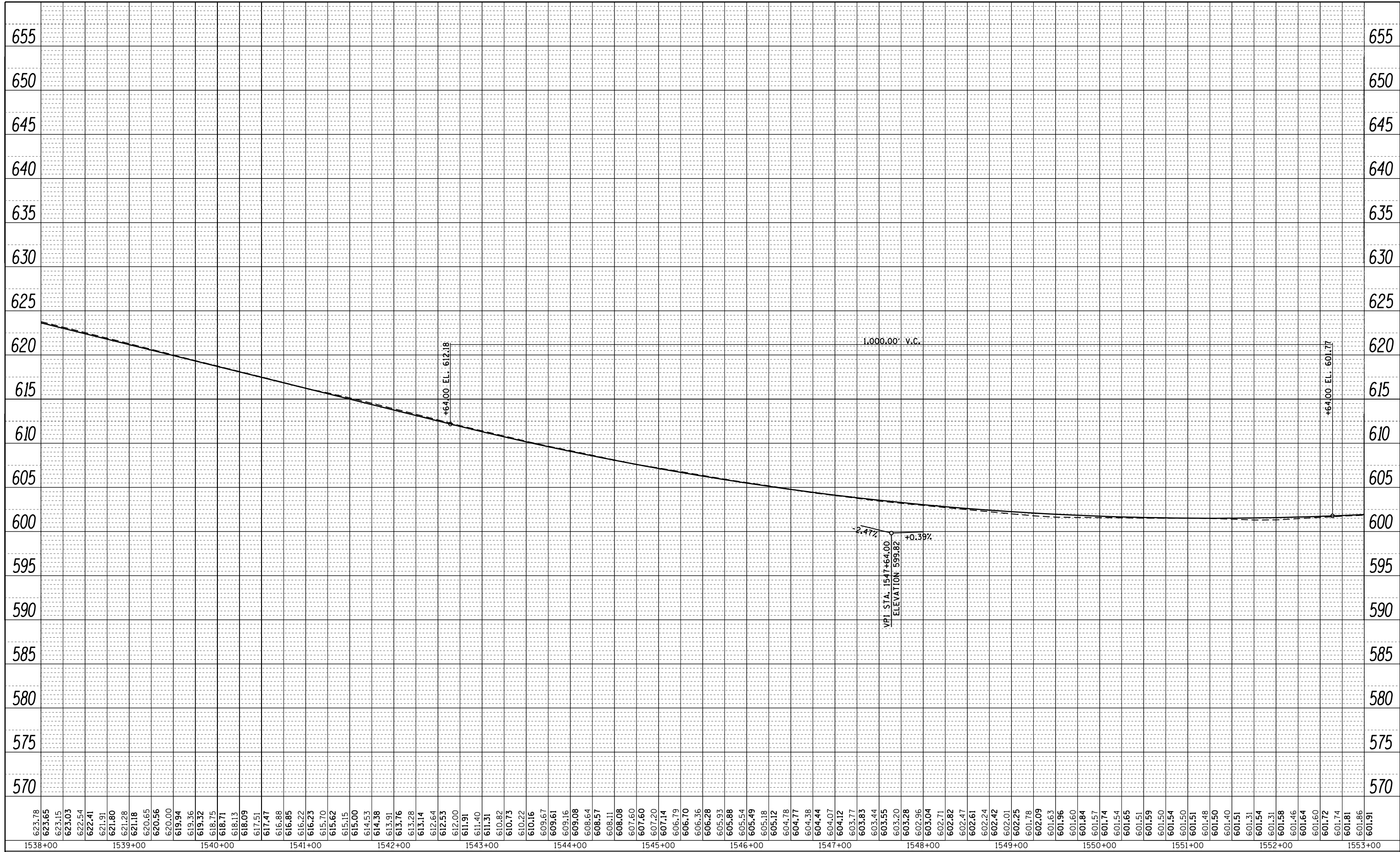


643.48	643.47	643.54	643.58	643.67	643.75	643.81	643.82	643.85	643.88	643.92	643.90	643.94	643.90	643.92	643.88	643.89	643.85	643.86	643.80	643.80	643.74	643.72	643.66	643.63	643.56	643.54	643.45	643.33	643.30	643.19	643.14	643.03	642.93	642.86	642.69	642.67	642.45	642.46	642.21	642.24	641.97	642.01	641.73	641.76	641.49	641.49	641.22	641.21	640.92	640.91	640.61	640.60	640.27	640.27	639.93	639.93	639.57	639.57	639.19	639.19	638.77	638.80	638.34	638.39	637.91	637.97	637.48	637.53	637.06	637.08	636.64	636.61	636.19	636.12	635.71	635.62	635.22	635.11	634.73	634.58	634.13	634.03	633.53	633.47	632.94	632.89	632.33	632.29	631.64	631.68	631.07	631.07	630.50	630.45	629.90	629.83	629.28	629.21	628.66	628.59	627.97	627.98	627.41	627.36	626.86	626.74	626.28	626.12	625.66	625.50	625.04	624.89	624.41	624.27	623.78	623.65
1523+00	1524+00	1525+00	1526+00	1527+00	1528+00	1529+00	1530+00	1531+00	1532+00	1533+00	1534+00	1535+00	1536+00	1537+00	1538+00																																																																																																					

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROFILE EB LANES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 5/1/2017	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

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

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



623.78	623.65	623.15	623.03	622.54	622.41	621.91	621.80	621.28	621.18	620.65	620.56	620.00	619.94	619.36	619.32	618.75	618.71	618.13	618.09	617.51	617.47	616.88	616.85	616.22	616.23	615.70	615.62	615.15	615.00	614.53	614.38	613.91	613.76	613.28	613.14	612.64	612.53	612.00	611.91	611.40	611.31	610.82	610.73	610.22	610.16	609.67	609.61	609.16	609.08	608.64	608.57	608.11	608.08	607.60	607.60	607.20	607.14	606.79	606.70	606.36	606.28	605.93	605.88	605.54	605.49	605.18	605.12	604.78	604.77	604.38	604.44	604.07	604.12	603.77	603.83	603.44	603.55	603.20	603.28	602.96	603.04	602.71	602.82	602.47	602.61	602.24	602.42	602.01	602.25	601.78	602.09	601.63	601.96	601.60	601.84	601.57	601.74	601.54	601.65	601.51	601.59	601.50	601.54	601.50	601.51	601.48	601.50	601.40	601.51	601.31	601.31	601.54	601.58	601.46	601.64	601.60	601.72	601.74	601.81	601.86	601.91
1538+00		1539+00		1540+00		1541+00		1542+00		1543+00		1544+00		1545+00		1546+00		1547+00		1548+00		1549+00		1550+00		1551+00		1552+00		1553+00																																																																																											

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROFILE EB LANES				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	112
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	

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

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



FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/23/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

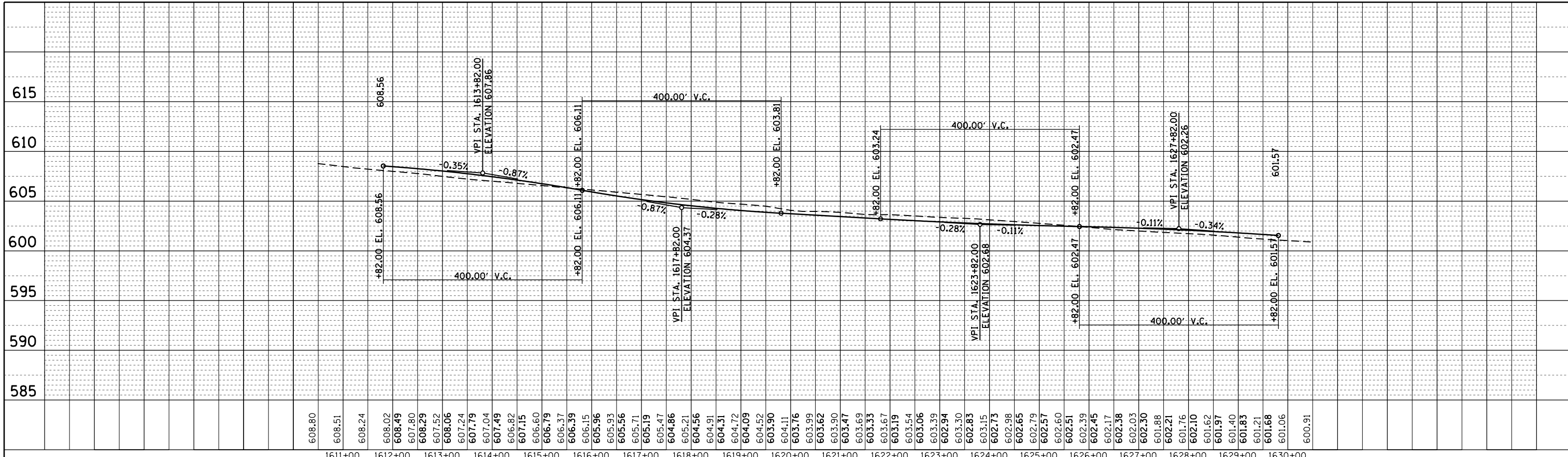
PROFILE EB LANES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	113
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
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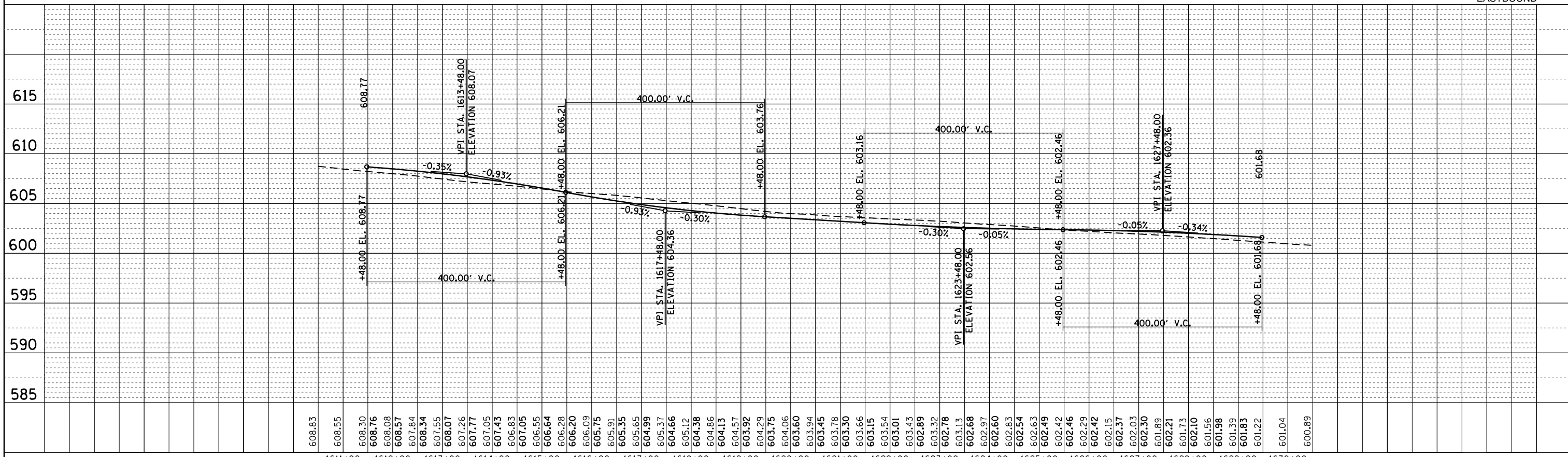
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
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	STRUCTURE		
	NOTATIONS		



WESTBOUND

BM 708 - CUT □ ON SE CORNER OF MIDDLE PIER
STA. 1620+70 ELEV. 605.35

EASTBOUND



FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -
PROJECT =	PROJECT =	DRAWN -	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED -	REVISOR -	REVISED -
DATE = 3/23/2017	DATE -	REVISOR -	REVISED -

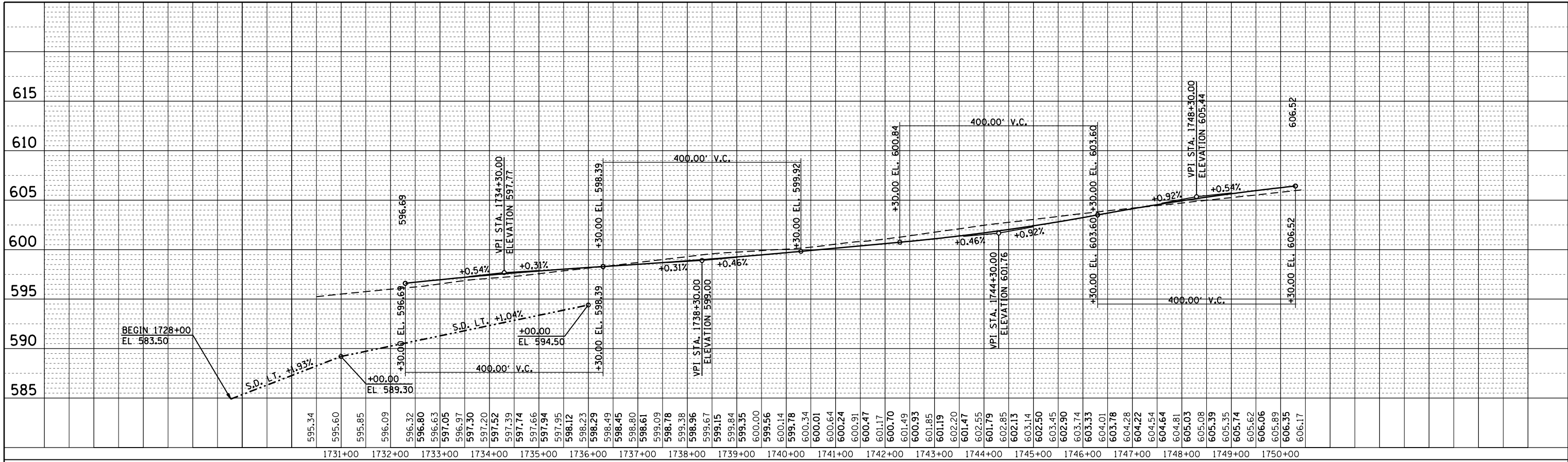
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VERTICAL CLEARANCE PROFILES
SN 025-0057

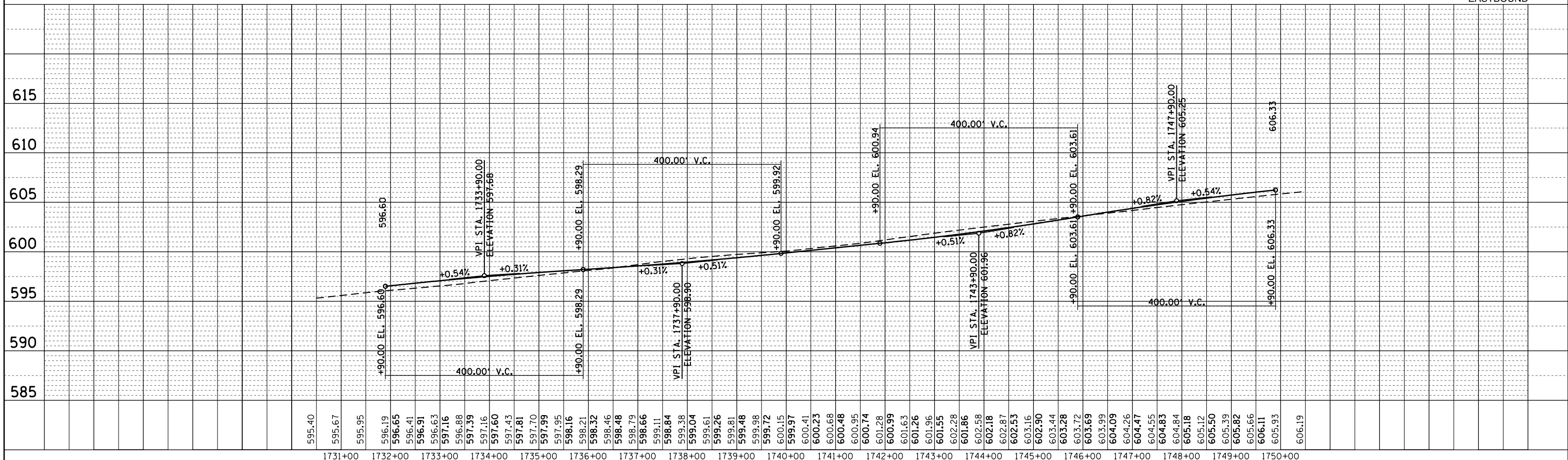
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	115
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

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

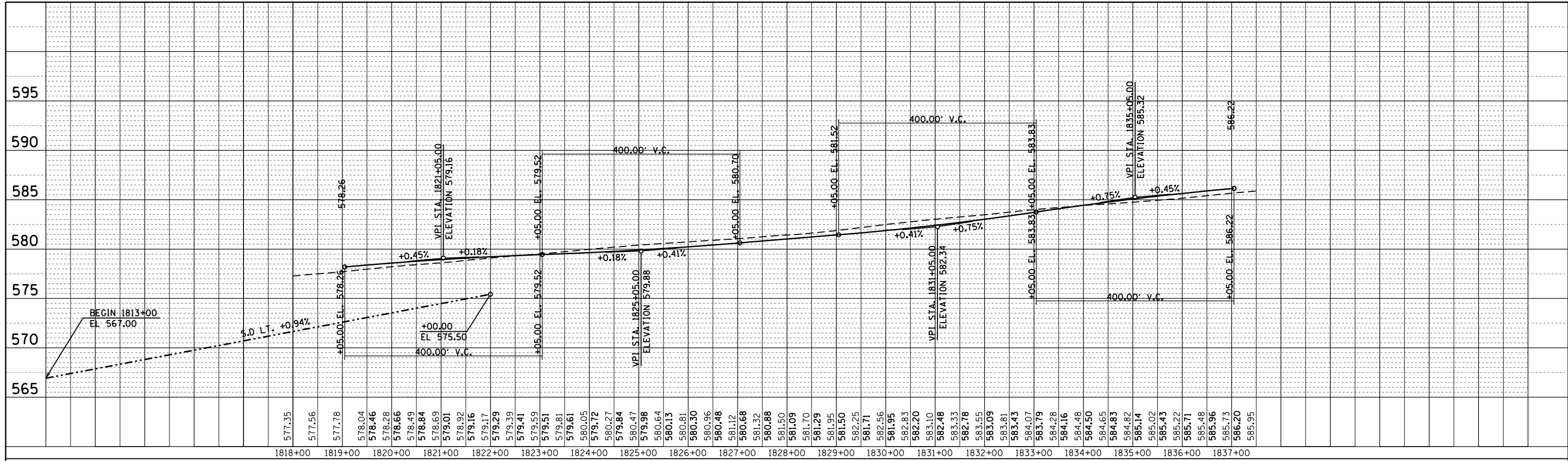


PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	NO.		
	STRUCTURE		
	NOTATIONS		



FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION VERTICAL CLEARANCE PROFILES SN 025-0058	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG.allinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74664\DRAWN\CAD\Sheets\0774664-sht-profile.dgn	DRAWN	REVISOR	REVISOR		70	(25-1,2)R	EFFINGHAM	496	116
Default	PLOT SCALE = 200.0000' / in.	CHECKED -	REVISOR -		CONTRACT NO. 74664				
	PLOT DATE = 5/1/2017	DATE -	REVISOR -		ILLINOIS FED. AID PROJECT				

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

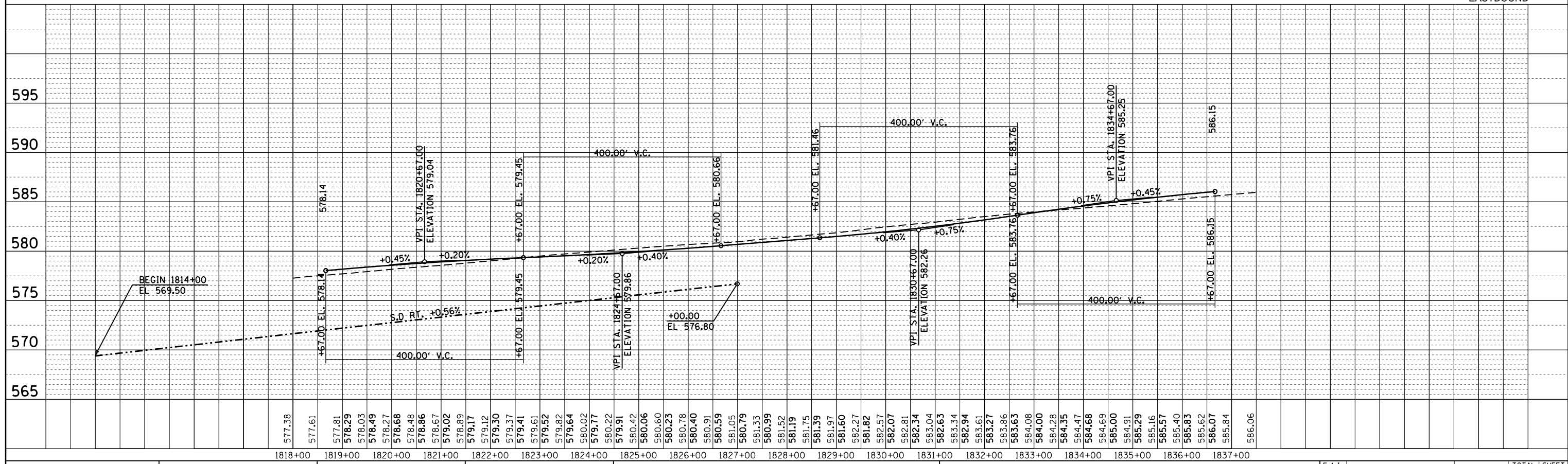


1818+00 1819+00 1820+00 1821+00 1822+00 1823+00 1824+00 1825+00 1826+00 1827+00 1828+00 1829+00 1830+00 1831+00 1832+00 1833+00 1834+00 1835+00 1836+00 1837+00

WESTBOUND

BM 554 - CHISELED □ ON N SIDE OF MIDDLE PIER
STA. 1827+36 ELEV. 582.95

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



1818+00 1819+00 1820+00 1821+00 1822+00 1823+00 1824+00 1825+00 1826+00 1827+00 1828+00 1829+00 1830+00 1831+00 1832+00 1833+00 1834+00 1835+00 1836+00 1837+00

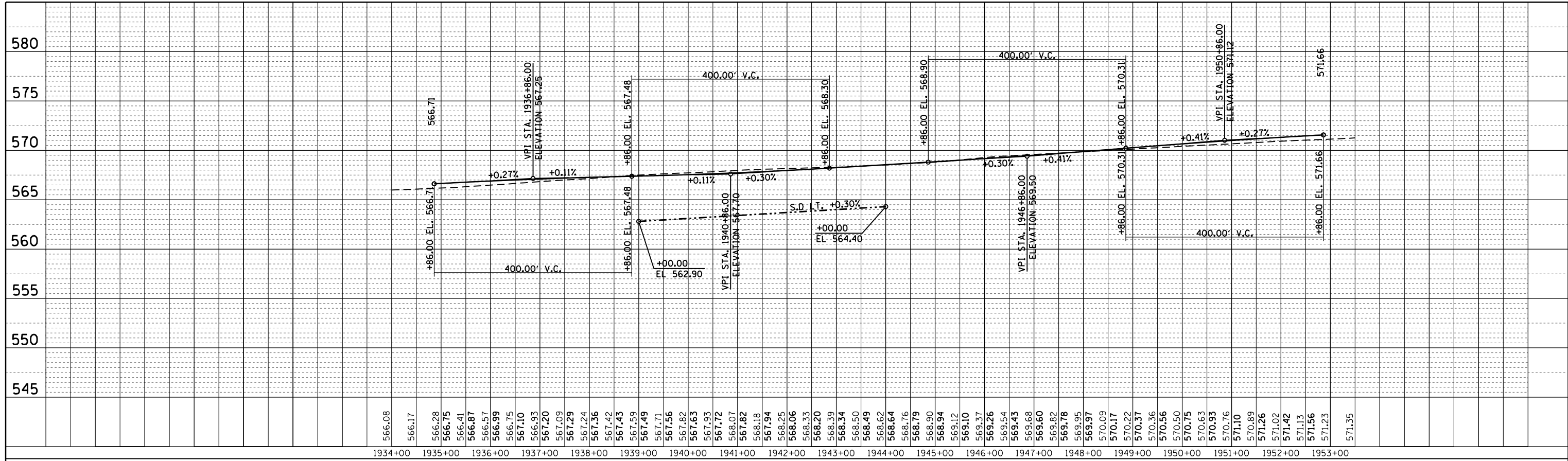
EASTBOUND

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	VERTICAL CLEARANCE PROFILES		F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\IL084EBIDINTEG.allinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74664\DRAWN		REVISIONS	REVISIONS	SN 025-0059		70	(25-1,2)R	EFFINGHAM	496	117
Default	PLOT SCALE = 200.0000' / in.	CHECKED -	REVISIONS	SCALE:		SHEET 3 OF 4 SHEETS		CONTRACT NO. 74664		
	PLOT DATE = 5/1/2017	DATE -	REVISIONS	STA. TO STA.		ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

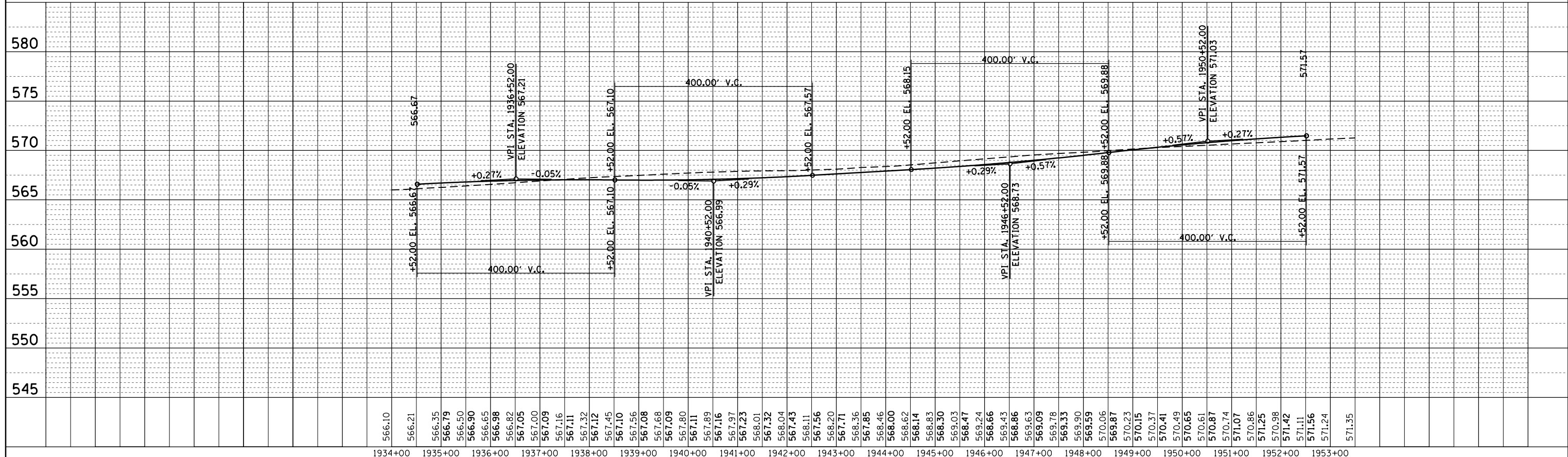
PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE		
	NOTATIONS CHECKED		
	NO. _____		



WESTBOUND

BM 553 - CHISELED □ ON N SIDE OF MIDDLE PIER
STA. 1943+31 ELEV. 569.74

EASTBOUND



FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -
p:\IL084EBIDINTEG.allinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74664\DRAWN\CAD\Sheets\0774664-sht-profile.dgn		CHECKED -	REVISED -
Default	PLOT DATE = 5/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

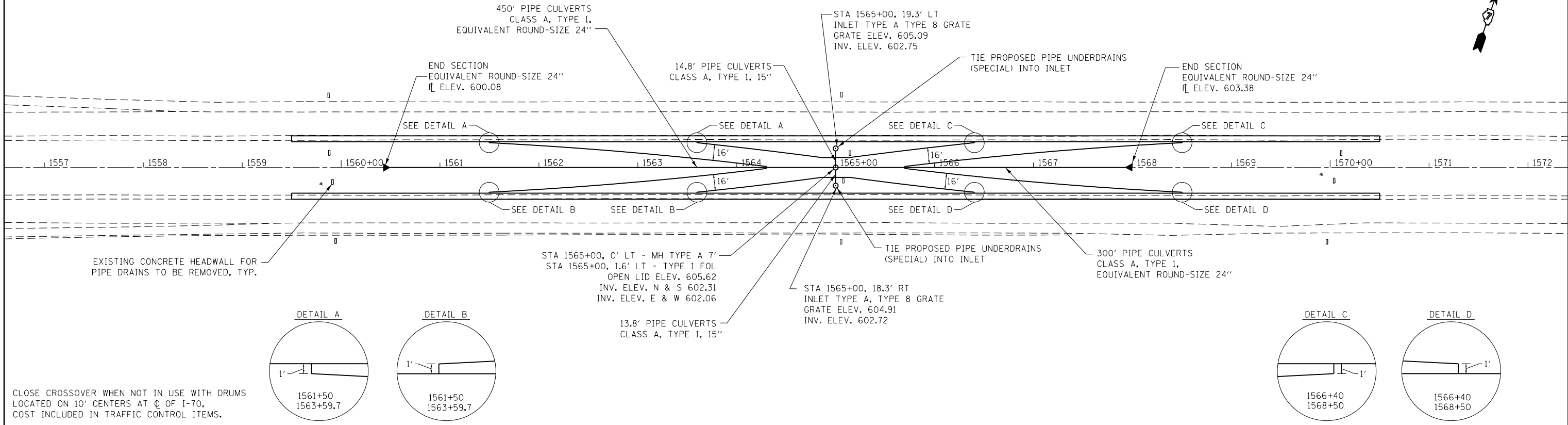
VERTICAL CLEARANCE PROFILES
SN 025-0045

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

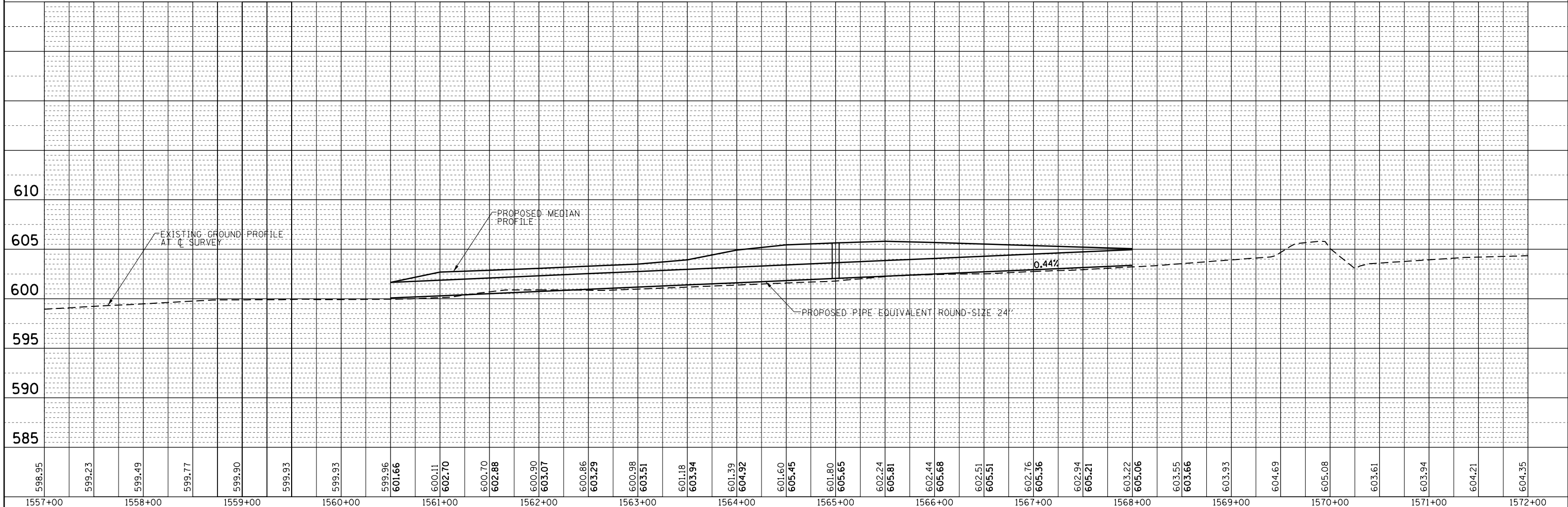
F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	118
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74664	



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



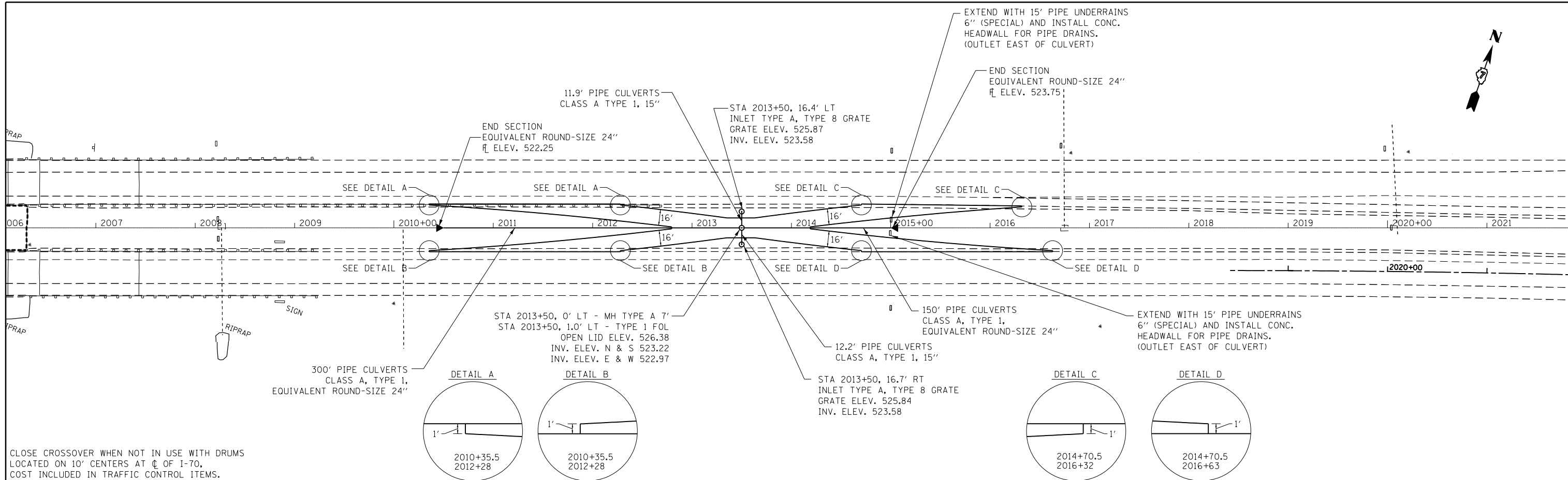
DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE	
NOT AT THIS OFFICE	
NO. _____	



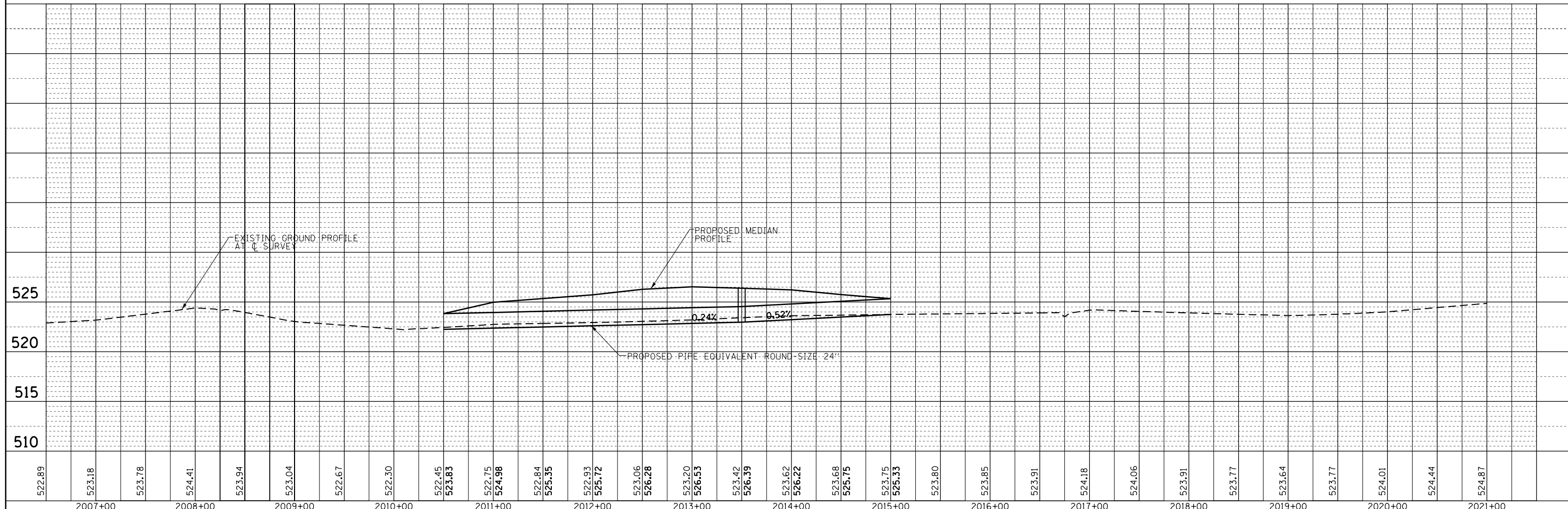
FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE WEST MEDIAN CROSSOVER				F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		DRAWN	REVISED		70	(25-1,2)R	EFFINGHAM	496	119				
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -		CONTRACT NO. 74664				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 5/1/2017	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

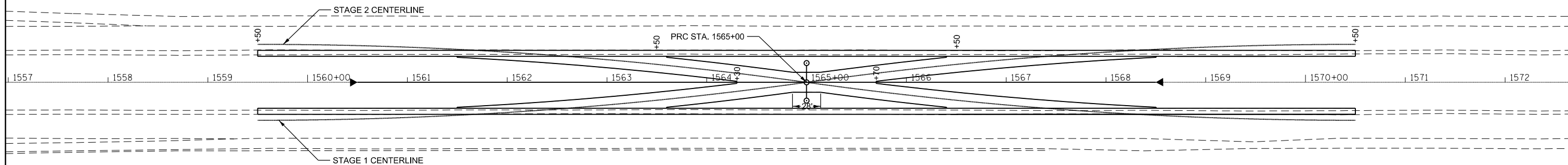
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

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



CLOSE CROSSOVER WHEN NOT IN USE WITH DRUMS
LOCATED ON 10' CENTERS AT C OF I-70,
COST INCLUDED IN TRAFFIC CONTROL ITEMS.





PROP. CURVE STG2CL_WC01
 PI STA. = 2+76.34
 $\Delta = 7^\circ 54' 14''$ (RT)
 $D = 1^\circ 25' 57''$
 $R = 4,000.00'$
 $T = 276.34'$
 $L = 551.80'$
 $E = 9.53'$

PROP. CURVE STG1CL_WC01
 PI STA. = 2+76.34
 $\Delta = 7^\circ 54' 14''$ (LT)
 $D = 1^\circ 25' 57''$
 $R = 4,000.00'$
 $T = 276.34'$
 $L = 551.80'$
 $E = 9.53'$

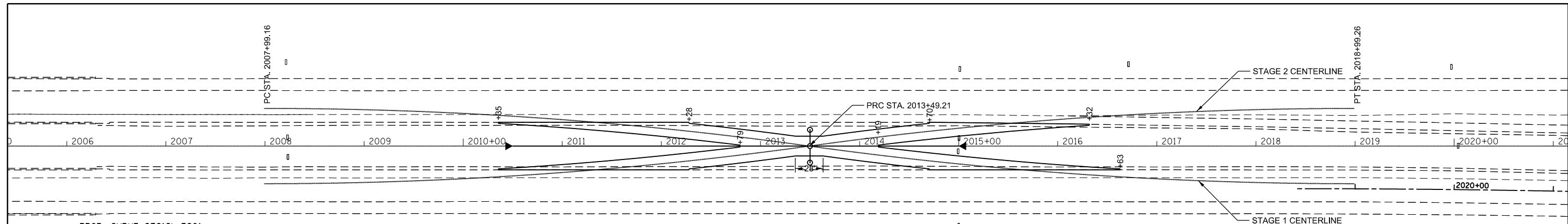
PROP. CURVE STG2CL_WC02
 PI STA. = 8+28.14
 $\Delta = 7^\circ 54' 14''$ (RT)
 $D = 1^\circ 25' 57''$
 $R = 4,000.00'$
 $T = 276.34'$
 $L = 551.80'$
 $E = 9.53'$

PROP. CURVE STG1CL_WC02
 PI STA. = 8+28.14
 $\Delta = 7^\circ 54' 14''$ (LT)
 $D = 1^\circ 25' 57''$
 $R = 4,000.00'$
 $T = 276.34'$
 $L = 551.80'$
 $E = 9.53'$

WEST CROSS OVER ELEVATION AND OFFSET DATA

C.L. STATION	STAGE 1 CENTERLINE OFFSET (FT)	STAGE 2 CENTERLINE OFFSET (FT)	E.O.P. LEFT OF C.L. OFFSET (FT)	E.O.P. LEFT OF C.L. ELEV.	E.O.P. LEFT OF C.L. OFFSET (FT)	E.O.P. LEFT OF C.L. ELEV.	BREAK POINT LEFT OFFSET (FT)	BREAK POINT LEFT ELEV.	E.O.P. RIGHT OF C.L. OFFSET (FT)	E.O.P. RIGHT OF C.L. ELEV.	E.O.P. RIGHT OF C.L. OFFSET (FT)	E.O.P. RIGHT OF C.L. ELEV.	BREAK POINT RIGHT OFFSET (FT)	BREAK POINT RIGHT ELEV.
1559+50.00	38.00	-38.00												
1559+75.00	37.92	-37.92												
1560+00.00	37.69	-37.69												
1560+25.00	37.30	-37.30												
1560+50.00	36.75	-36.75												
1560+75.00	36.05	-36.05												
1561+00.00	35.18	-35.18												
1561+25.00	34.17	-34.17												
1561+50.00	32.99	-32.99	-24.98	604.76			-26.00	604.78	24.98	604.78			26.00	604.80
1561+75.00	31.66	-31.66	-23.65	604.83			-26.00	604.88	23.65	604.86			26.00	604.90
1562+00.00	30.18	-30.18	-22.16	604.90			-26.00	605.98	22.16	604.93			26.00	605.00
1562+25.00	28.53	-28.53	-20.51	604.96			-26.00	605.07	20.51	604.99			26.00	605.10
1562+50.00	26.73	-26.73	-18.71	605.02			-26.00	605.17	18.71	605.04			26.00	605.19
1562+75.00	24.77	-24.77	-16.74	605.08			-26.00	605.27	16.74	605.10			26.00	605.28
1563+00.00	22.65	-22.65	-14.62	605.13			-26.00	605.36	14.62	605.16			26.00	605.39
1563+25.00	20.38	-20.38	-12.34	605.19			-26.00	605.46	12.34	605.21			26.00	605.48
1563+50.00	17.95	-17.95	-9.90	605.24	-25.98	605.56			9.90	605.26	25.98	605.58		
1563+75.00	15.35	-15.35	-7.31	605.27	-23.40	605.59			7.31	605.28	23.40	605.61		
1564+00.00	12.60	-12.60	-4.55	605.30	-20.65	605.62			4.55	605.30	20.65	605.64		
1564+25.00	9.69	-9.69	-1.63	605.33	-17.75	605.65			1.63	605.35	17.75	605.69		
1564+50.00	6.62	-6.62			-14.68	605.68	-1.62	605.42			14.68	605.75		
1564+75.00	3.39	-3.39			-11.46	605.71	-1.59	605.52			11.46	605.79		
1565+00.00	0.00	0.00			-10.00	605.79	-1.55	605.62			10.00	605.85		
1565+25.00	-3.39	3.39			-11.46	605.92	-0.95	605.71			11.46	605.96		
1565+50.00	-6.62	6.62			-14.68	606.09	-0.35	605.81			14.68	606.11		
1565+75.00	-9.69	9.69	-1.63	605.93	-17.75	606.25			1.63	605.93	17.75	606.25		
1566+00.00	-12.60	12.60	-4.55	606.08	-20.65	606.40			4.55	606.06	20.65	606.38		
1566+25.00	-15.35	15.35	-7.31	606.25	-23.40	606.57			7.31	606.25	23.40	606.57		
1566+50.00	-17.94	17.94	-9.90	606.41	-25.98	606.73			9.90	606.43	25.98	606.75		
1566+75.00	-20.38	20.38	-12.34	606.55			-26.00	606.83	12.34	606.58			26.00	606.85
1567+00.00	-22.65	22.65	-14.62	606.69			-26.00	606.92	14.62	606.72			26.00	606.95
1567+25.00	-24.77	24.77	-16.74	606.84			-26.00	607.03	16.74	606.86			26.00	607.04
1567+50.00	-26.73	26.73	-18.71	606.98			-26.00	607.13	18.71	607.00			26.00	607.14
1567+75.00	-28.53	28.53	-20.51	607.11			-26.00	607.22	20.51	607.13			26.00	607.24
1568+00.00	-30.18	30.18	-22.16	607.23			-26.00	607.31	22.16	607.26			26.00	607.33
1568+25.00	-31.66	31.66	-23.65	607.36			-26.00	607.41	23.65	607.39			26.00	607.44
1568+50.00	-32.99	32.99	-24.98	607.49			-26.00	607.51	24.98	607.51			26.00	607.53
1568+75.00	-34.17	34.17												
1569+00.00	-35.18	35.18												
1569+25.00	-36.04	36.04												
1569+50.00	-36.75	36.75												
1569+75.00	-37.30	37.30												
1570+00.00	-37.69	37.69												
1570+25.00	-37.92	37.92												
1570+50.00	-38.00	38.00												





PROP. CURVE STG1CL.EC01
 PI STA. = 2+76.34
 $\Delta = 7^\circ 54' 14''$ (RT)
 D = 1° 25' 57"
 R = 4,000.00'
 T = 276.34'
 L = 551.80'
 E = 9.53'

PROP. CURVE STG2CL.EC01
 PI STA. = 2+76.34
 $\Delta = 7^\circ 54' 14''$ (LT)
 D = 1° 25' 57"
 R = 4,000.00'
 T = 276.34'
 L = 551.80'
 E = 9.53'

PROP. CURVE STG1CL.EC02
 PI STA. = 8+28.14
 $\Delta = 7^\circ 54' 14''$ (LT)
 D = 1° 25' 57"
 R = 4,000.00'
 T = 276.34'
 L = 551.80'
 E = 9.53'

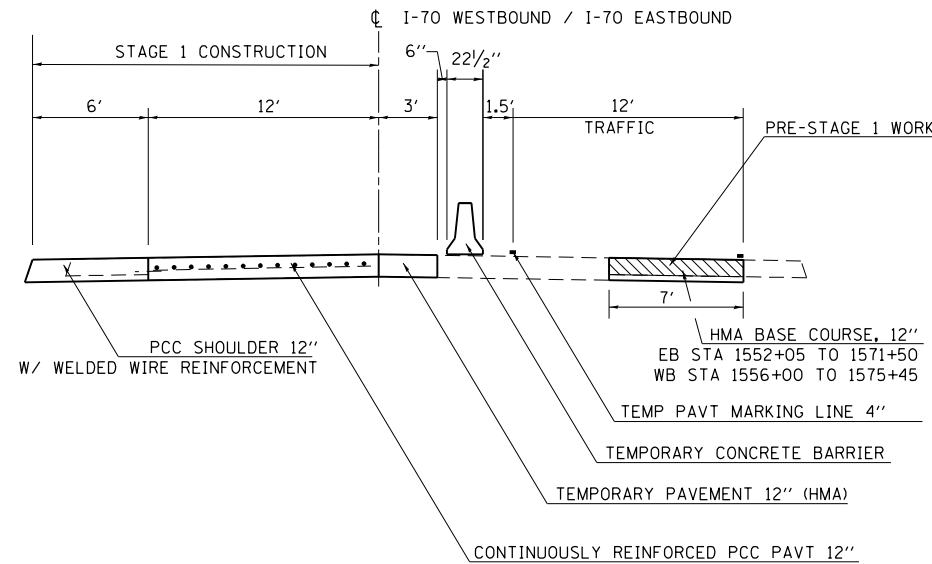
PROP. CURVE STG2CL.EC02
 PI STA. = 8+28.14
 $\Delta = 7^\circ 54' 14''$ (RT)
 D = 1° 25' 57"
 R = 4,000.00'
 T = 276.34'
 L = 551.80'
 E = 9.53'

EAST CROSSOVER ELEVATION AND OFFSET DATA

C.L. STATION	STAGE 1 CENTERLINE		STAGE 2 CENTERLINE		E.O.P. LEFT OF C.L.		E.O.P. LEFT OF C.L.		BREAK POINT LEFT		E.O.P. RIGHT OF C.L.		E.O.P. RIGHT OF C.L.		BREAK POINT RIGHT	
	I-70	OFFSET (FT)	OFFSET (FT)	OFFSET (FT)	OFFSET (FT)	ELEV.	OFFSET (FT)	ELEV.	OFFSET (FT)	ELEV.	OFFSET (FT)	ELEV.	OFFSET (FT)	ELEV.	OFFSET (FT)	ELEV.
2008+00.00		-38.00	38.00													
2008+25.00		-37.92	37.92													
2008+50.00		-37.68	37.68													
2008+75.00		-37.28	37.28													
2009+00.00		-36.73	36.73													
2009+25.00		-36.02	36.02													
2009+50.00		-35.15	35.15													
2009+75.00		-34.13	34.13													
2010+00.00		-32.95	32.95													
2010+25.00		-31.62	31.62													
2010+50.00		-30.13	30.13		-22.11	527.01					22.11	526.99				
2010+75.00		-28.48	28.48		-20.46	527.02					20.46	527.01				
2011+00.00		-26.67	26.67		-18.65	527.02					18.65	527.03				
2011+25.00		-24.71	24.71		-16.68	526.98					16.68	527.00				
2011+50.00		-22.58	22.58		-14.55	526.93					14.55	526.97				
2011+75.00		-20.30	20.30		-12.27	526.88					12.27	526.94				
2012+00.00		-17.87	17.87		-9.82	526.83					9.82	526.90				
2012+25.00		-15.27	15.27		-7.22	526.74					7.22	526.81				
2012+50.00		-12.51	12.51		-4.46	526.65	-20.56	526.97			4.46	526.70	20.56	527.03		
2012+75.00		-9.60	9.60		-1.54	526.56	-17.65	526.88			1.54	526.50	17.65	526.92		
2013+00.00		-6.52	6.52				-14.58	526.78	-0.75	526.50			14.58	526.81		
2013+25.00		-3.29	3.29				-11.36	526.66	-0.50	526.42			11.36	526.68		
2013+50.00		0.11	-0.11				-10.00	526.56	-0.50	526.37			10.00	526.58		
2013+75.00		3.50	-3.50				-11.56	526.52	-0.25	526.29			11.56	526.53		
2014+00.00		6.72	-6.72				-14.78	526.52	0.00	526.22			14.78	526.52		
2014+25.00		9.79	-9.79		-1.73	526.20	-17.84	526.52			1.73	526.18	17.84	526.51		
2014+50.00		12.69	-12.69		-4.64	526.20	-20.74	526.52			4.64	526.18	20.74	526.51		
2014+75.00		15.44	-15.44		-7.39	526.19					7.39	526.17				
2015+00.00		18.02	-18.02		-9.98	526.18					9.98	526.16				
2015+25.00		20.45	-20.45		-12.42	526.16					12.42	526.16				
2015+50.00		22.72	-22.72		-14.69	526.13					14.69	526.15				
2015+75.00		24.84	-24.84		-16.81	526.10					16.81	526.14				
2016+00.00		26.79	-26.79		-18.77	526.06					18.77	526.13				
2016+25.00		28.59	-28.59		-20.57	526.05					20.57	526.16				
2016+50.00		30.23	-30.23								22.21	526.18				
2016+75.00		31.71	-31.71													
2017+00.00		33.03	-33.03													
2017+25.00		34.20	-34.20													
2017+50.00		35.21	-35.21													
2017+75.00		36.07	-36.07													
2018+00.00		36.77	-36.77													
2018+25.00		37.31	-37.31													
2018+50.00		37.70	-37.70													
2018+75.00		37.93	-37.93													



SECTION A-A



PAVEMENT MARKING REMOVAL - WATER BLASTING						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	TOTAL (SQ FT)	DESCRIPTION
1556+90		1571+60	EB	1470.0	980.0	2 LINES - REMOVE EXISTING PAVT MARKINGS
1555+90		1570+60	WB	1470.0	980.0	2 LINES - REMOVE EXISTING PAVT MARKINGS
1556+90		1571+60	EB	1470.0	980.0	2 LINES - REMOVE TEMP PAVT MARKINGS
1555+90		1570+60	WB	1470.0	980.0	2 LINES - REMOVE TEMP PAVT MARKINGS
TOTAL					3920	

PAVEMENT MARKING BLACKOUT TAPE - LINE 7"					
STATION	TO	STATION	DIRECTION	LENGTH (FT)	TAPE (FT)
1536+95		1546+95	EB	1000.0	275.0
1995+35		2005+35	EB	1000.0	275.0
1580+55		1590+55	WB	1000.0	275.0
2021+32		2031+32	WB	1000.0	275.0
TOTAL					1100

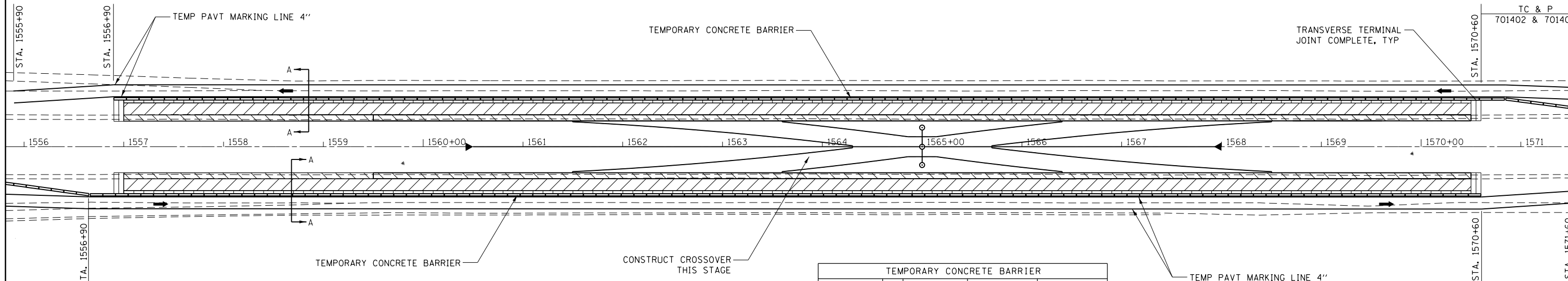
SHORT TERM PAVEMENT MARKING REMOVAL							
STATION	TO	STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ FT)	DESCRIPTION
1536+95		1546+95	EB	1000.0	0.58	160.42	CENTERLINE & SKIP-DASH
1551+95		1571+60	EB	1965.0	0.42	818.75	EDGE LINE
1555+90		1575+55	WB	1965.0	0.42	818.75	EDGE LINE
1580+55		1590+55	WB	1000.0	0.58	160.42	CENTERLINE & SKIP-DASH
1995+35		2005+35	EB	1000.0	0.58	160.42	CENTERLINE & SKIP-DASH
2021+32		2031+32	WB	1000.0	0.58	160.42	CENTERLINE & SKIP-DASH
TOTAL						2279	

PAVEMENT MARKING BLACKOUT TAPE - LINE 5"					
STATION	TO	STATION	DIRECTION	LENGTH (FT)	
1551+95		1571+60	EB	1965.0	
1555+90		1575+55	WB	1965.0	
TOTAL					3930

HOT-MIX ASPHALT BASE COURSE, 12"						
STATION	TO	STATION	SIDE	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)
1552+05		1571+50	EB OUT	1945.0	7	1512.8
1556+00		1575+45	WB OUT	1945.0	7	1512.8
TOTAL						3026

TEMPORARY PAVEMENT MARKING - LINE 4"						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	TOTAL (FT)	DESCRIPTION
1556+90		1571+60	EB	1470	2940	2 LINES
1555+90		1570+60	WB	1470	2940	2 LINES
1556+90		1571+60	EB	1470	3308	3 LINES - AFTER STAGE 1 COMPLETE
1555+90		1570+60	WB	1470	3308	3 LINES - AFTER STAGE 1 COMPLETE
TOTAL					12496	

BITUMINOUS MATERIALS (TACK COAT)							
STATION	TO	STATION	SIDE	LENGTH (FT)	WIDTH (FT)	AREA (SQ FT)	POUND
1552+05		1571+50	EB OUT	1945.0	7	13615.0	340.4
1556+00		1575+45	WB OUT	1945.0	7	13615.0	340.4
TOTAL							681



TEMPORARY CONCRETE BARRIER			
STATION	TO	STATION	LENGTH (FT)
1554+55		1570+60	1605.0
1556+90		1572+95	1605.0
TOTAL			3210

NOTE: NO TEMPORARY CONCRETE BARRIER IS NEEDED FOR CONSTRUCTION OF THE EAST MEDIAN CROSS-OVER DURING THIS STAGE. THE EAST CROSS-OVER IS TO BE BUILT UNDER HIGHWAY STANDARDS 701400 AND 701401.

PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2"			
STATION	TO	STATION	DESCRIPTION
1559+50		1570+50	1662 WEST MEDIAN CROSSOVER
2010+35		2016+63	1451 EAST MEDIAN CROSSOVER
TOTAL			3113

SUGGESTED SEQUENCE OF OPERATIONS

PRE-STAGE 1

1. CONSTRUCT 7' WIDE HMA BASE COURSE 12", IN THE EB AND WB DRIVING LANE SHOULDER AT THE WEST MEDIAN CROSSOVER AS SHOWN ON STAGE 1 PLAN SHEETS.
2. BEGIN TREE REMOVAL, EMBANKMENT, AND CULVERT EXTENSION WORK.
3. CONSTRUCT TEMPORARY PAVEMENT AT EXIT RAMP AT THE ALTAMONT INTERCHANGE (UTILIZED IN STAGES 2B AND 3A).

STAGE 1

1. CONSTRUCT EAST CROSSOVER UTILIZING STANDARD 701401 AS NECESSARY.
2. CONSTRUCT WEST CROSSOVER AND ADJACENT EB/WB PASSING LANES AND MEDIAN SHOULDERS AS SHOWN ON STAGE 1 PLAN SHEETS.
3. CONTINUE TREE REMOVAL, EMBANKMENT, AND CULVERT EXTENSION WORK.

- INSIDE SHOULDER TO BE CONSTRUCTED THIS STAGE
- PASSING LANE TO BE CONSTRUCTED THIS STAGE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED THIS STAGE

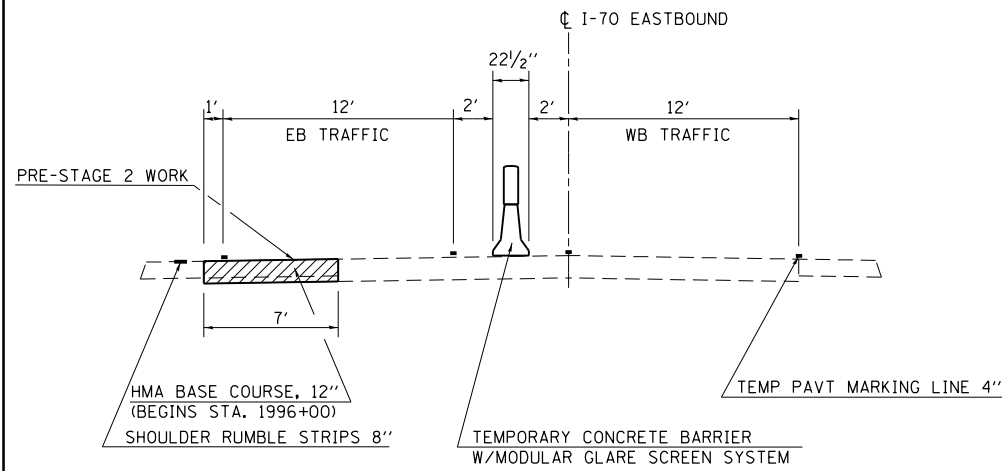
IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3			
STATION	DIRECTION	EACH	
1554+55	EB	1	
1572+95	WB	1	
TOTAL			2

AGGREGATE BASE COURSE TYPE B					
STATION	TO	STATION	CU YD	TON	DESCRIPTION
1559+00		1570+50	3305	6775.3	EAST MEDIAN CROSSOVER
2010+50		2016+50	1342	2751.1	WEST MEDIAN CROSSOVER
TOTAL				9526	

TOPSOIL EXCAVATION				
STATION	TO	STATION	VOLUME (CU YD)	DESCRIPTION
1559+00		1570+50	1008	EAST MEDIAN CROSSOVER
2010+50		2016+50	463	WEST MEDIAN CROSSOVER
TOTAL				1471

TEMPORARY PAVEMENT							
STATION	TO	STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	DESCRIPTION
1556+90.0		1557+00.0	EB	10.0	21	23.3	HMA
1557+00.0		1570+50.0	EB	1350.0	3	450.0	HMA
1570+50.0		1570+60.0	EB	10.0	21	23.3	HMA
1556+90.0		1557+00.0	WB	10.0	21	23.3	HMA
1557+00.0		1570+50.0	WB	1350.0	3	450.0	HMA
1570+50.0		1570+60.0	WB	10.0	21	23.3	HMA
TOTAL							993

SECTION A-A



SUGGESTED SEQUENCE OF OPERATIONS

PRE-STAGE 2

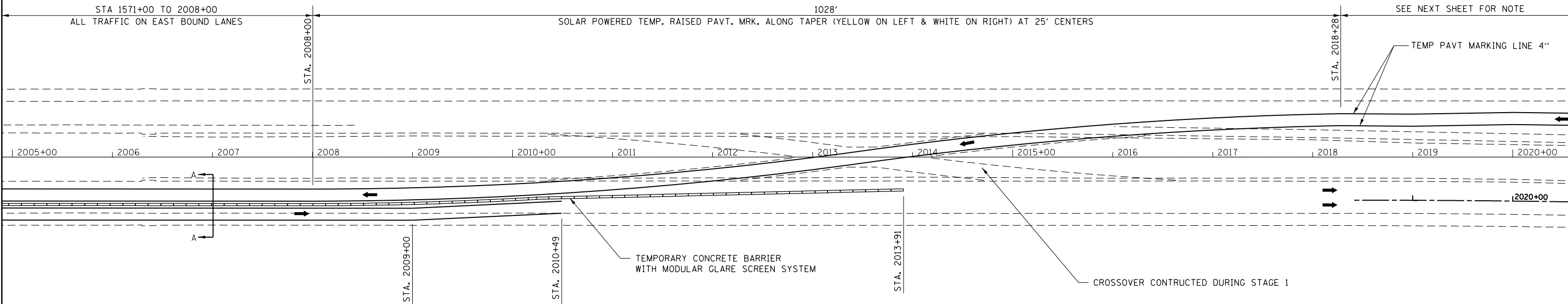
1. PATCH PAVEMENT IN EB LANES FOR STAGE 2 TRAFFIC.
2. CONSTRUCT 7' WIDE HMA BASE COURSE 12" IN THE WB DRIVING LANE SHOULDER WITHIN THE CRC PAVEMENT SECTION.
3. CONSTRUCT 7' WIDE HMA BASE COURSE 12" IN THE EB DRIVING LANE SHOULDER WITHIN THE RUBBLIZATION SECTION.
4. REMOVE DELINEATORS.
5. CONSTRUCT RUMBLE STRIP 8" IN EB DRIVING LANE SHOULDER.
6. INSTALL TEMPORARY GUARDRAIL.
7. INSTALL TEMPORARY CONCRETE BARRIER WALL IN EB DRIVING LANE.
8. CONTINUE TREE REMOVAL, EMBANKMENT, AND CULVERT EXTENSION WORK.

STAGE 2

1. MOVE WB TRAFFIC TO EB PASSING LANE.
2. CONSTRUCT WB RUBBLIZATION AND HMA FULL-DEPTH PAVEMENT SECTIONS.
3. COMPLETE WB EMBANKMENT, CULVERT EXTENSIONS, GUARDRAIL, SEEDING, ETC.

BITUMINOUS MATERIALS (TACK COAT)							
STATION	TO	STATION	SIDE	LENGTH (FT)	WIDTH (FT)	AREA (SQ FT)	POUND
1556+00		1732+69	EB OUT	17669	7	123680.2	3092.0
1732+88		1785+99	EB OUT	5311	7	37173.2	929.3
1786+28		1927+46	EB OUT	14118	7	98827.1	2470.7
1927+72		1996+00	EB OUT	6828	7	47793.8	1194.8
1522+83		1524+43	WB OUT	160	7	1120.0	28.0
1526+00		1535+05	WB OUT	905	7	6335.0	158.4
1536+38		1559+85	WB OUT	2347	7	16429.0	410.7
TOTAL							8284

HOT-MIX ASPHALT BASE COURSE, 12"							
STATION	TO	STATION	SIDE	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	
1556+00		1732+69	EB OUT	17669	7	13742.2	
1732+88		1785+99	EB OUT	5311	7	4130.4	
1786+28		1927+46	EB OUT	14118	7	10980.8	
1927+72		1996+00	EB OUT	6828	7	5310.4	
1522+83		1524+43	WB OUT	160	7	124.4	
1526+00		1535+05	WB OUT	905	7	703.9	
1536+38		1559+85	WB OUT	2347	7	1825.4	
TOTAL							36818



PAVEMENT MARKING BLACKOUT TAPE - LINE 7"					
STATION	TO	STATION	DIRECTION	LENGTH (FT)	TAPE (FT)
2028+28		2038+28	WB	1000.0	275.0
TOTAL					275

TEMPORARY RAISED PAVEMENT MARKER						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	EACH	DESCRIPTION
2008+00		2018+28	EB & WB	1028.0	82	BOTH EDGE LINES
2028+28		2038+28	WB	1000.0	40	ONE EDGE LINE
TOTAL					122	

PAVEMENT MARKING REMOVAL - WATER BLASTING						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	TOTAL (SQ FT)	DESCRIPTION
1571+00		2010+49	EB	43949	20143	REMOVE ONE 4" EDGE LINE & 6" CENTERLINE
1571+00		2010+49	EB	43949	14650	1 LINE - REM TEMP PAVT MRKG NOT SHOWN ON STD
TOTAL					34793	

PAVEMENT MARKING BLACKOUT TAPE - LINE 5"					
STATION	TO	STATION	DIRECTION	LENGTH (FT)	
2010+52		2012+00	EB	148.0	
2015+75		2017+30	WB	155.0	
TOTAL					303

FILLING EXISTING RUMBLE STRIP					
STATION	TO	STATION	DIRECTION	LENGTH (FT)	DESCRIPTION
2015+76		2017+31	WB	155.0	INSIDE SHLDR
TOTAL					155

TEMPORARY PAVEMENT MARKING - LINE 4"						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	TOTAL (FT)	DESCRIPTION
1571+00		2010+49	EB	43949.0	43949.0	1 LINE (3 LINES INCLUDED IN HIGHWAY STANDARD 701416)
1571+00		2010+49	EB	43949.0	98885.25	2 EDGE LINES & CENTERLINE - AFTER STAGE 2 COMPLETE
TOTAL					142834	

SHORT TERM PAVEMENT MARKING REMOVAL							
STATION	TO	STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ FT)	DESCRIPTION
2010+52		2012+00	WB	148.0	0.42	61.67	EDGE LINE
2015+75		2017+30	WB	155.0	0.42	64.58	EDGE LINE
2028+28		2038+28	WB	1000.0	0.58	160.42	CENTERLINE & SKIP-DASH
TOTAL							287

NOTE: SEE STD. 701416 FOR DETAILS NOT SHOWN
T = 43,680'

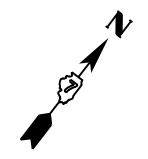
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Default	PLOT DATE = 5/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 2 TRAFFIC CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	124
				CONTRACT NO. 74664
ILLINOIS FED. AID PROJECT				



TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1				
LOCATION	DIRECTION / SIDE	EACH		
SN 025-0057	EB / INSIDE	1		
SN 025-0058	EB / INSIDE	1		
SN 025-0059	EB / INSIDE	1		
SN 025-0045	EB / INSIDE	1		
STATION	TO	STATION	DIRECTION / SIDE	EACH
2009+85.50		2010+35.50	EB / INSIDE	1
TOTAL				5

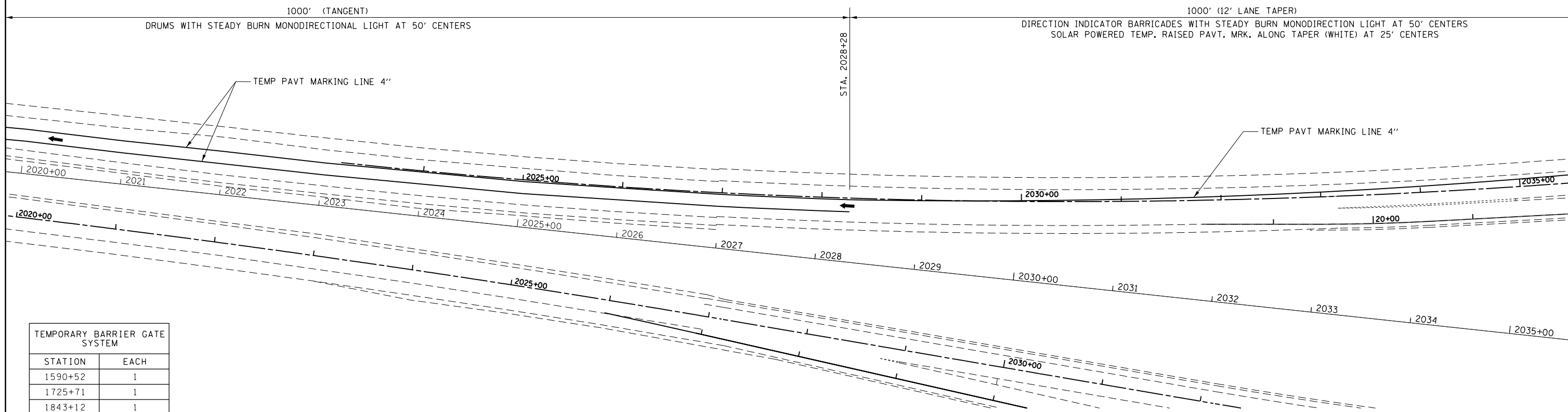
TERMINAL MARKER - DIRECT APPLIED				
LOCATION	DIRECTION / SIDE	EACH		
SN 025-0057	EB / INSIDE	1		
SN 025-0058	EB / INSIDE	1		
SN 025-0059	EB / INSIDE	1		
SN 025-0045	EB / INSIDE	1		
STATION	TO	STATION	DIRECTION / SIDE	EACH
2009+85.50		2010+35.50	EB / INSIDE	1
TOTAL				5

TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A				
STATION	TO	STATION	DIRECTION / SIDE	LENGTH (FT)
2009+10.50		2009+85.50	EB / INSIDE	75.0
		SN 025-0057	EB / INSIDE	50.0
		SN 025-0058	EB / INSIDE	50.0
		SN 025-0059	EB / INSIDE	50.0
		SN 025-0045	EB / INSIDE	50.0
TOTAL				275.0

GUARDRAIL REFLECTORS, TYPE A				
LOCATION	DIRECTION / SIDE	EACH		
SN 025-0057	EB / INSIDE	4		
SN 025-0058	EB / INSIDE	4		
SN 025-0059	EB / INSIDE	4		
SN 025-0045	EB / INSIDE	4		
STATION	TO	STATION	DIRECTION / SIDE	EACH
2009+10.50		2010+35.50	EB / INSIDE	1
TOTAL				17

TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 2				
LOCATION	DIRECTION / SIDE	EACH		
SN 025-0057	WB / INSIDE	1		
SN 025-0058	WB / INSIDE	1		
SN 025-0059	WB / INSIDE	1		
SN 025-0045	WB / INSIDE	1		
TOTAL				4

REMOVE AND REERECT TRAFFIC BARRIER TERMINALS TYPE 2				
STATION	TO	STATION	DIRECTION / SIDE	EACH
2009+10.5		2009+23	EB / INSIDE	1
TOTAL				1

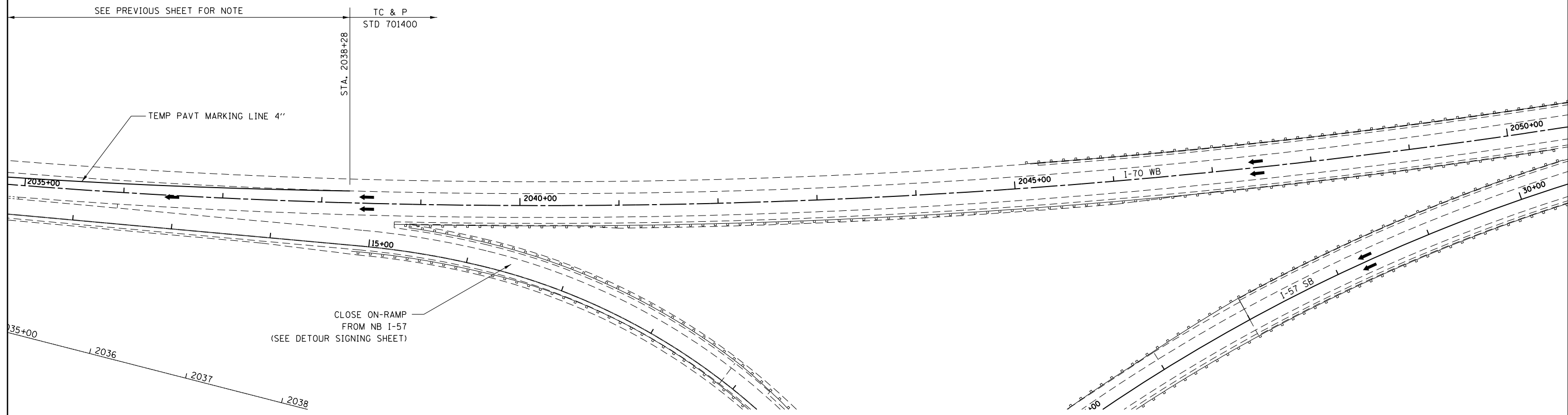
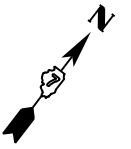


TEMPORARY BARRIER GATE SYSTEM	
STATION	EACH
1590+52	1
1725+71	1
1843+12	1
1977+57	1
TOTAL	4

TEMPORARY CONCRETE BARRIER				
STATION	TO	STATION	DIRECTION	LENGTH (FT)
1565+69.00		1590+32.50	EB	2463.5
1590+71.50		1725+51.50	EB	13480.0
1725+90.50		1732+68.60	EB	678.1
1732+88.69		1785+99.15	EB	5310.5
1786+28.38		1842+92.50	EB	5664.1
1843+31.50		1927+46.53	EB	8415.0
1927+72.31		1977+37.50	EB	4965.2
1977+76.50		2013+91.00	EB	3614.5
TOTAL				44591

MODULAR GLARE SCREEN SYSTEM, TEMPORARY			
STATION	TO	STATION	LENGTH (FT)
1565+69.00		1590+32.50	2463.5
1590+71.50		1725+51.50	13480.0
1725+90.50		1732+68.60	678.1
1732+88.69		1785+99.15	5310.5
1786+28.38		1842+92.50	5664.1
1843+31.50		1927+46.53	8415.0
1927+72.31		1977+37.50	4965.2
1977+76.50		2013+91.00	3614.5
TOTAL			44591

NOTE: SEE STD. 701416 FOR DETAILS NOT SHOWN



SEE PREVIOUS SHEET FOR NOTE

TC & P
STD 701400

STA. 2038+28

TEMP PAVT MARKING LINE 4"

CLOSE ON-RAMP
FROM NB I-57
(SEE DETOUR SIGNING SHEET)

NOTE: SEE STD. 701416
FOR DETAILS NOT SHOWN

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 2 TRAFFIC CONTROL				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -						CONTRACT NO. 74664				
	PLOT DATE = 5/1/2017				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING REMOVAL - WATER BLASTING						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	TOTAL (SQ FT)	DESCRIPTION
1522+83		1560+25	WB	3742	1247	1 LINE - REMOVE EXISTING EDGE LINE
1522+83		1558+39	WB	3556	2371	2 LINES - REMOVE TEMP PAVT MARKINGS
TOTAL					3618	

TEMPORARY RAISED PAVEMENT MARKER						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	EACH	DESCRIPTION
1526+00		1536+00	EB	1000.0	40	ONE EDGE LINE
1556+00		1561+00	EB	500.0	40	BOTH EDGE LINES
1558+39		1571+00	EB & WB	1261.0	101	BOTH EDGE LINES
TOTAL					181	

TEMPORARY PAVEMENT MARKING - LINE 4"						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	TOTAL (FT)	DESCRIPTION
1522+83		1558+39	WB	3556	7112	2 LINES
TOTAL					7112	

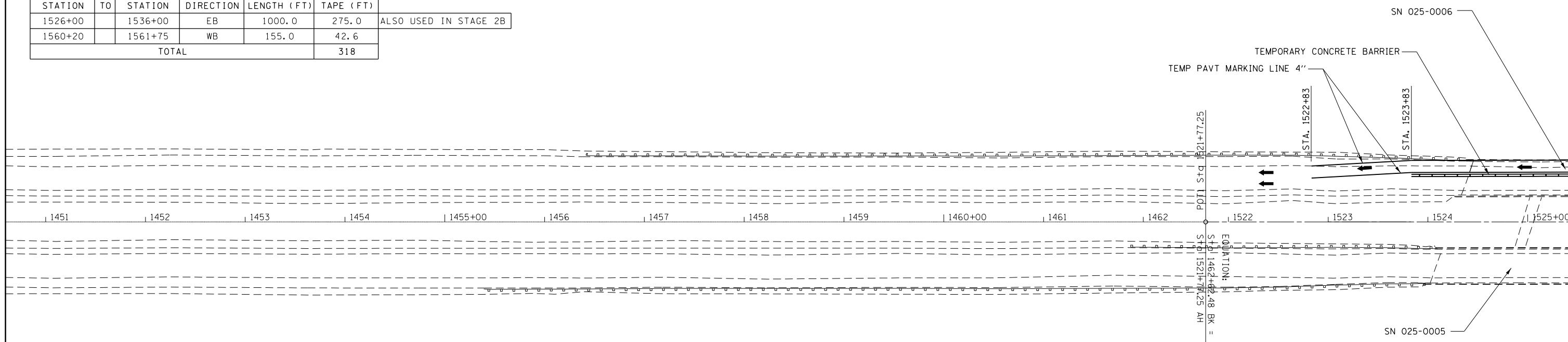
SHORT TERM PAVEMENT MARKING REMOVAL							
STATION	TO	STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ FT)	DESCRIPTION
1560+20		1561+75	WB	155.0	0.58	24.86	CENTERLINE & SKIP-DASH
1561+70		1562+75	WB	105.0	0.42	43.75	EDGE LINE
TOTAL						69	

PAVEMENT MARKING BLACKOUT TAPE - LINE 5"				
STATION	TO	STATION	DIRECTION	LENGTH (FT)
1556+00		1561+00	EB	500.0
1561+70		1562+75	WB	105.0
TOTAL				605

ALSO USED IN STAGE 2B

PAVEMENT MARKING BLACKOUT TAPE - LINE 7"					
STATION	TO	STATION	DIRECTION	LENGTH (FT)	TAPE (FT)
1526+00		1536+00	EB	1000.0	275.0
1560+20		1561+75	WB	155.0	42.6
TOTAL					318

ALSO USED IN STAGE 2B



SHOULDER RUMBLE STRIPS, 8 INCH					
STATION	TO	STATION	SIDE	LENGTH	
				(IN/OUT)	(FOOT)
EASTBOUND I-70					
1556+00.	TO	1650+00.	OUT	9400.0	
1650B+00.	TO	1732B+68.6	OUT	8268.6	
1732+88.69	TO	1785+99.15	OUT	5310.5	
1786+28.38	TO	1927+46.53	OUT	14118.2	
1927+72.31	TO	1996+00.	OUT	6827.7	
EASTBOUND I-70 TOTALS				43925	
WESTBOUND I-70					
1522+83.	TO	1524+43.	OUT	160.0	
1526+00.	TO	1535+05.	OUT	905.0	
1536+38.	TO	1559+85.	OUT	2347.0	
WESTBOUND I-70 TOTALS				3412	
TOTAL				47337	

IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		
STATION	DIRECTION	EACH
1559+85	WB	1
TOTAL		1

TEMPORARY CONCRETE BARRIER				
STATION	TO	STATION	DIRECTION	LENGTH (FT)
1523+83.00		1559+85.00	WB	3602.0
TOTAL				3602

PINNING TEMPORARY CONCRETE BARRIER					
STATION	TO	STATION	DIRECTION	LENGTH (FT)	EACH
1523+83.00		1524+39.43	WB	56	17
1525+96.43		1535+00.22	WB	904	217
1536+33.56		1559+85.00	WB	2351	567
TOTAL					801

SUGGESTED SEQUENCE OF OPERATIONS

STAGE 2A

1. CONSTRUCT WB PASSING LANE CRC PAVEMENT AND WB PASSING LANE STRUCTURES AT THE ALTAMONT INTERCHANGE.

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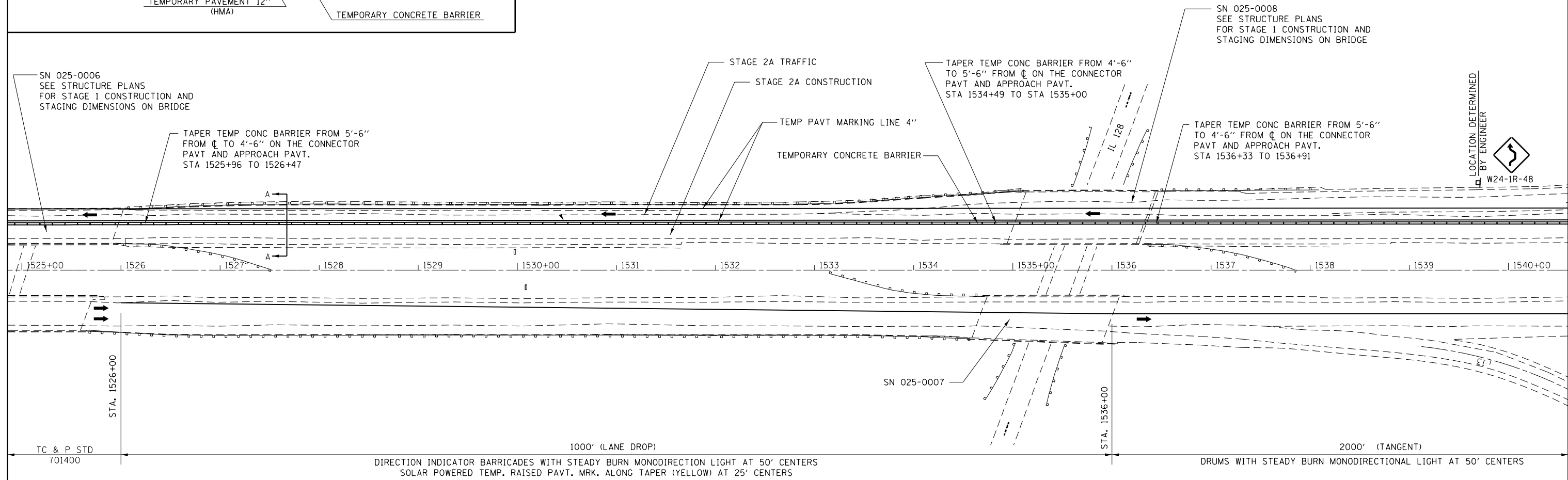
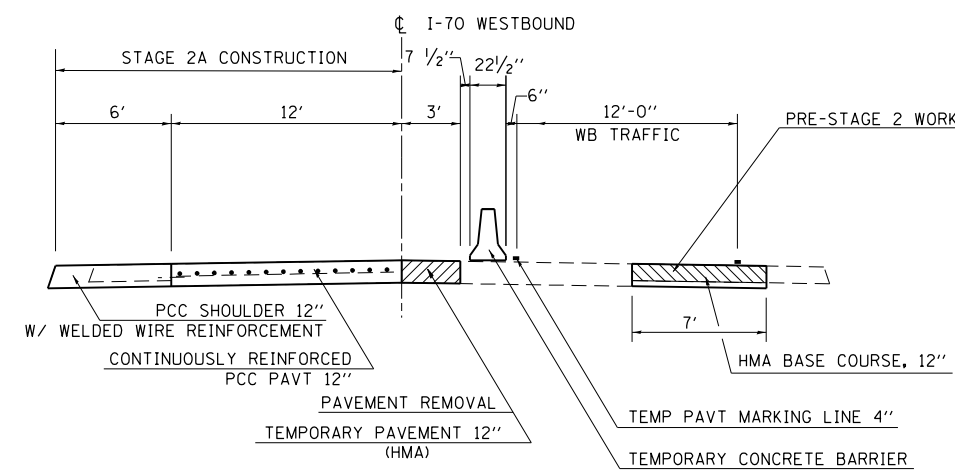
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 2A TRAFFIC CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	127
CONTRACT NO. 74664				
ILLINOIS FED. AID PROJECT				

SECTION A-A



LOCATION DETERMINED BY ENGINEER



DIRECTION INDICATOR BARRICADES WITH STEADY BURN MONODIRECTION LIGHT AT 50' CENTERS
SOLAR POWERED TEMP. RAISED PAVT. MRK. ALONG TAPER (YELLOW) AT 25' CENTERS

DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT AT 50' CENTERS

NOTE: SEE STD. 701416 FOR DETAILS NOT SHOWN

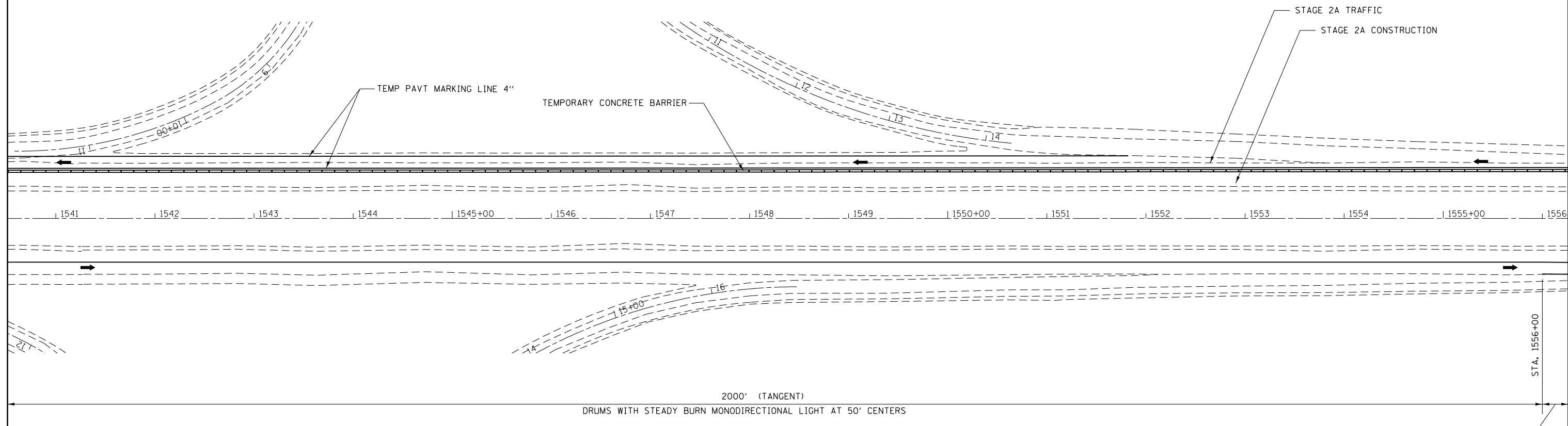
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Default	PLOT DATE = 5/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2A TRAFFIC CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

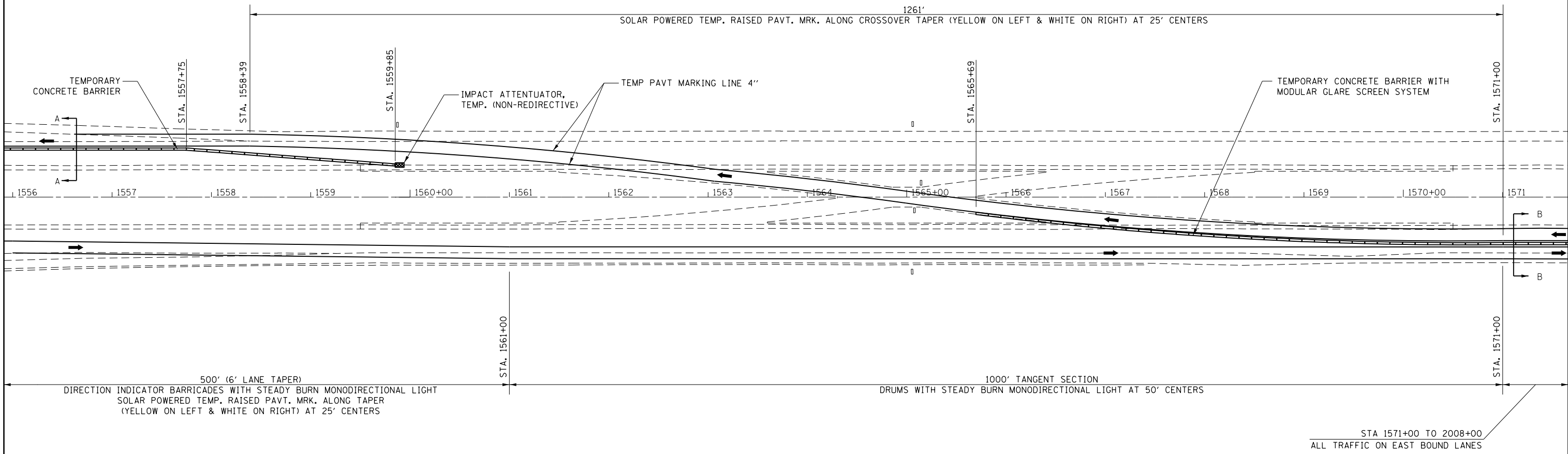
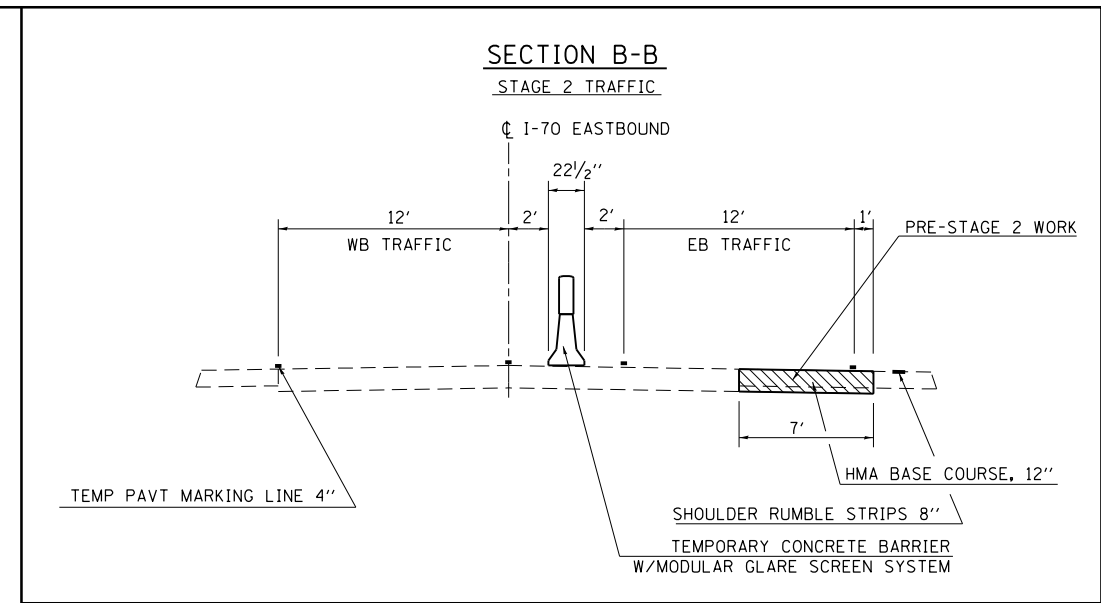
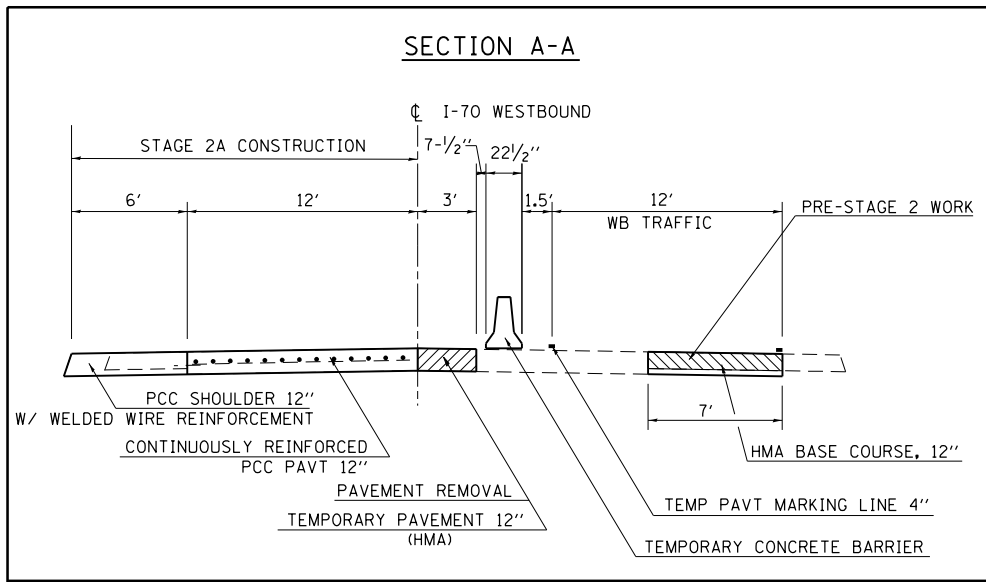
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	128
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	



SEE NEXT SHEET FOR NOTE

NOTE: SEE STD. 701416 FOR DETAILS NOT SHOWN

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 2A TRAFFIC CONTROL				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		CONTRACT NO. 74664				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 5/1/2017	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.						



NOTE: SEE STD. 701416 FOR DETAILS NOT SHOWN

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 2A TRAFFIC CONTROL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
						70	(25-1,2)R	EFFINGHAM	496	130	
						CONTRACT NO. 74664					
						ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET OF SHEETS	STA.	TO STA.				

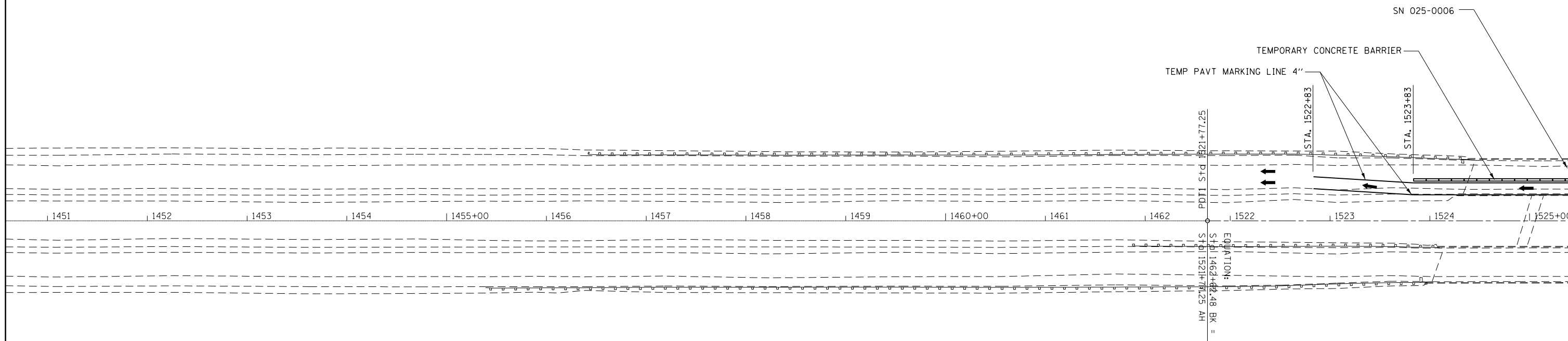
PAVEMENT MARKING REMOVAL - WATER BLASTING						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	TOTAL (SQ FT)	DESCRIPTION
1522+83		1562+60	WB	3977.0	1326	1 LINE - REMOVE EXISTING PAVT MARKINGS
1522+83		1561+40	WB	3857.0	2488	2 LINES - REMOVE TEMP PAVT MARKINGS
TOTAL					3814	

TEMPORARY CONCRETE BARRIER				
STATION	TO	STATION	DIRECTION	LENGTH (FT)
1559+85.00		1564+89.00	WB	504.0
TOTAL				504

SHORT TERM PAVEMENT MARKING REMOVAL							
STATION	TO	STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ FT)	DESCRIPTION
1526+00		1536+00	EB	1000.0	0.58	160.42	CENTERLINE & SKIP-DASH
1556+00		1561+00	EB	500.0	0.42	208.33	EDGE LINE
TOTAL						369	

RELOCATE TEMPORARY CONCRETE BARRIER				
STATION	TO	STATION	DIRECTION	LENGTH (FT)
1523+83.00		1559+85.00	WB	3602.0
TOTAL				3602

TEMPORARY PAVEMENT MARKING - LINE 4"						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	TOTAL (FT)	DESCRIPTION
1522+83		1561+40	WB	3857.0	7464	2 LINES
TOTAL					7464	



SUGGESTED SEQUENCE OF OPERATIONS

STAGE 2B

1. CONSTRUCT WB DRIVING LANE CRC PAVEMENT, WB DRIVING LANE STRUCTURES, AND WB ALTAMONT INTERCHANGE RAMPS.

WELDED WIRE REINFORCEMENT						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)
1548+05.5		1550+35.0	WB	CAD AREA		505.3
TOTAL						505

TEMPORARY PAVEMENT							
STATION	TO	STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	DESCRIPTION
1548+05.5		1550+35.0	WB	CAD AREA		505.3	PCC
TOTAL						505	

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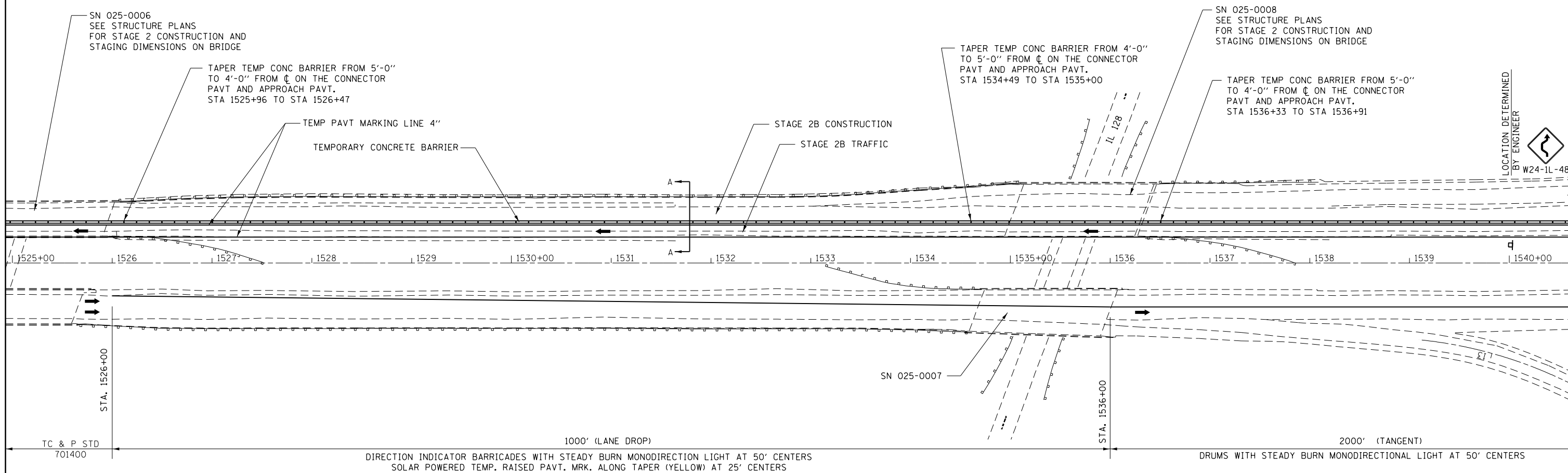
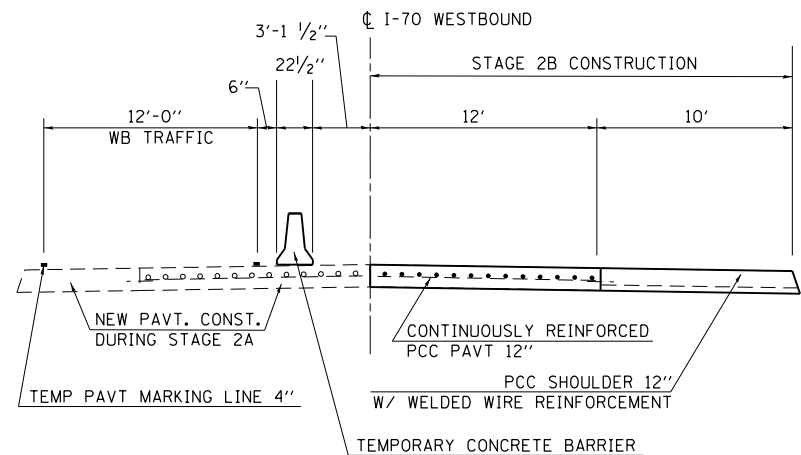
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 2B TRAFFIC CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	131
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	

SECTION A-A



LOCATION DETERMINED BY ENGINEER
W24-1L-48

NOTE: SEE STD. 701416 FOR DETAILS NOT SHOWN

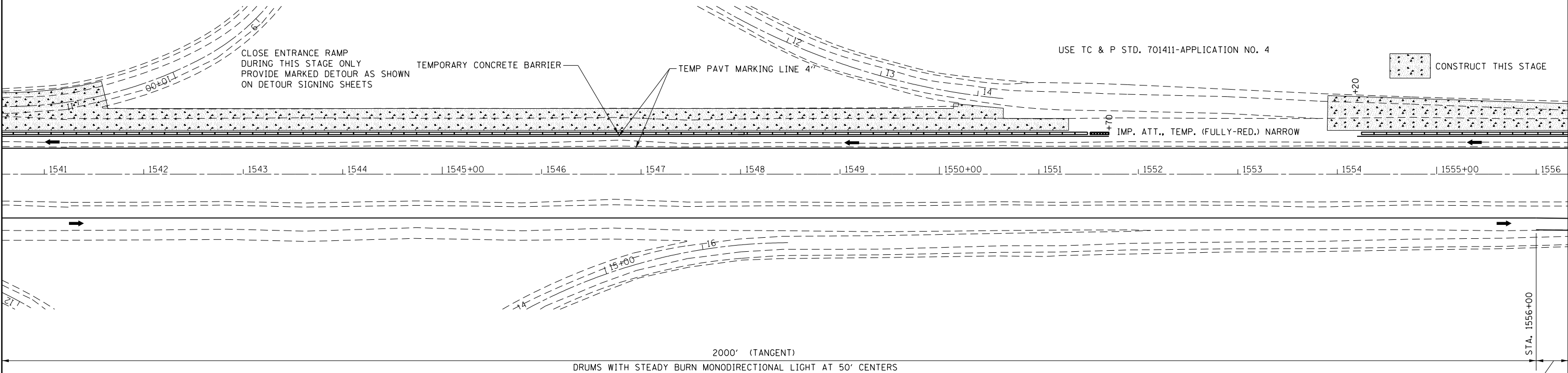
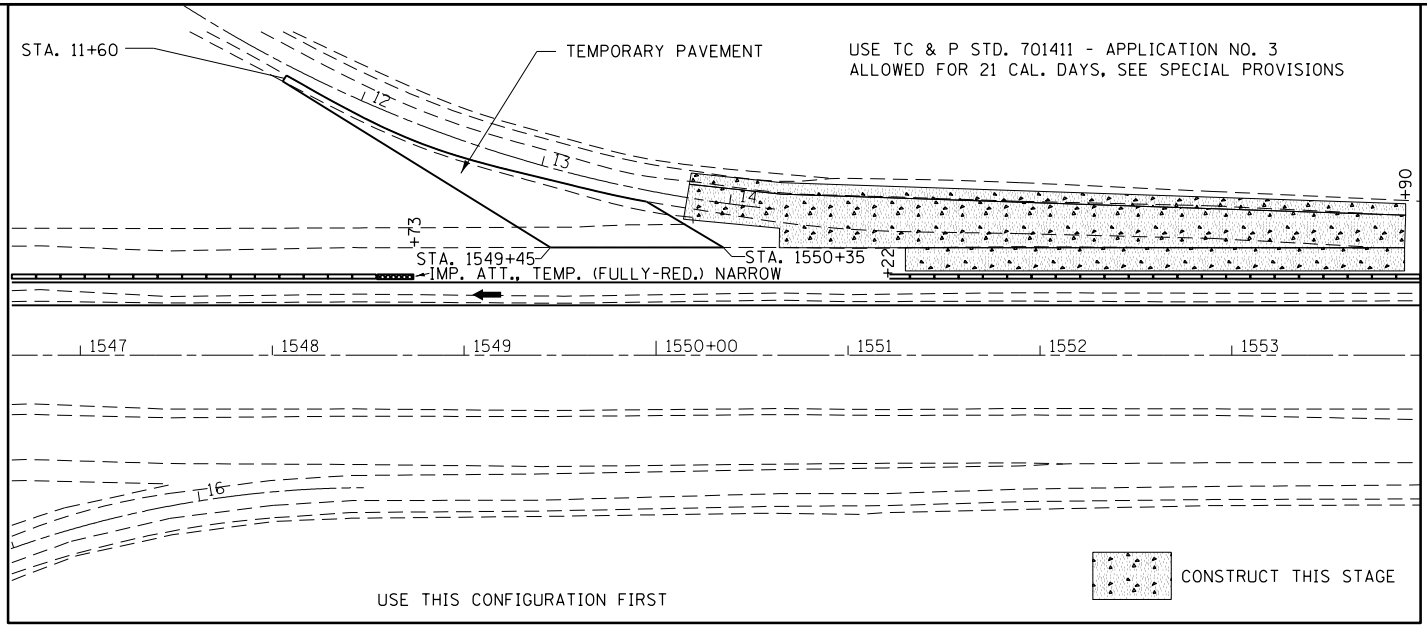
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2B TRAFFIC CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	132
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	



SEE NEXT SHEET FOR NOTE

NOTE: SEE STD. 701416 FOR DETAILS NOT SHOWN

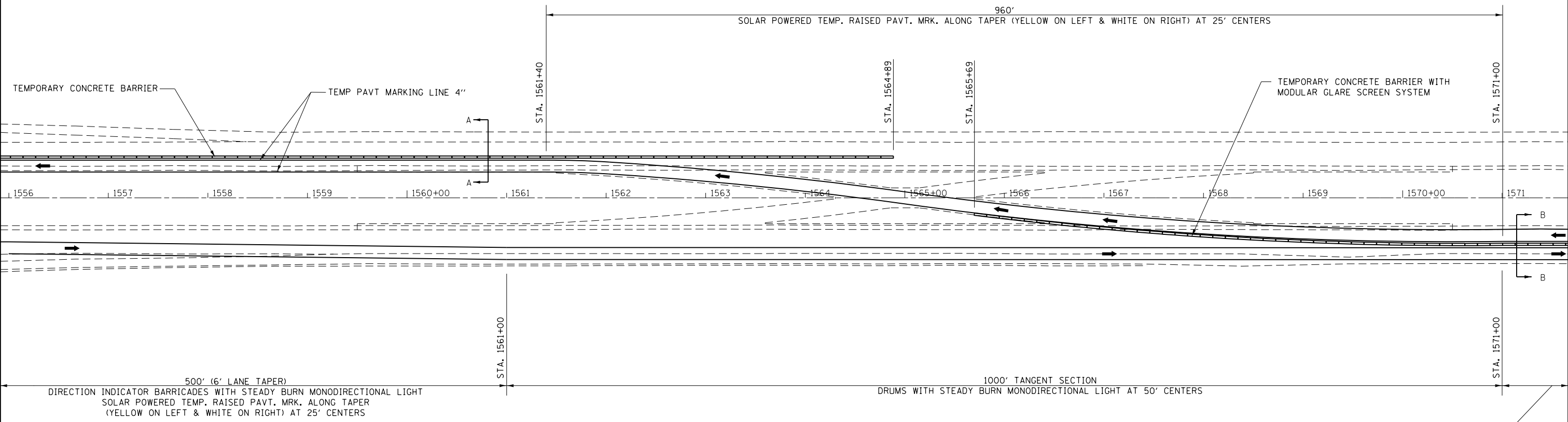
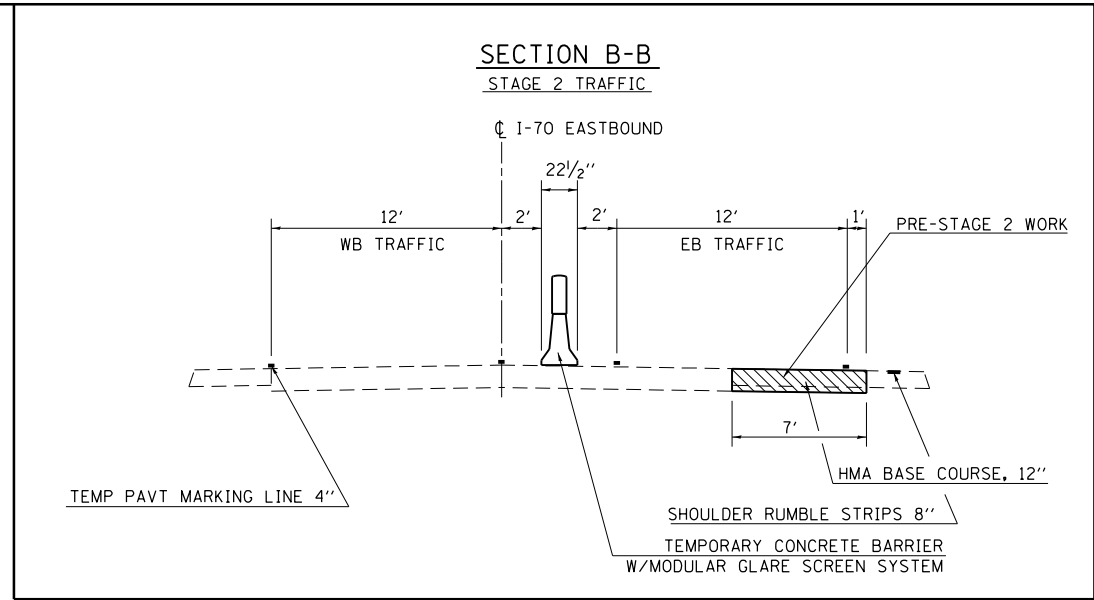
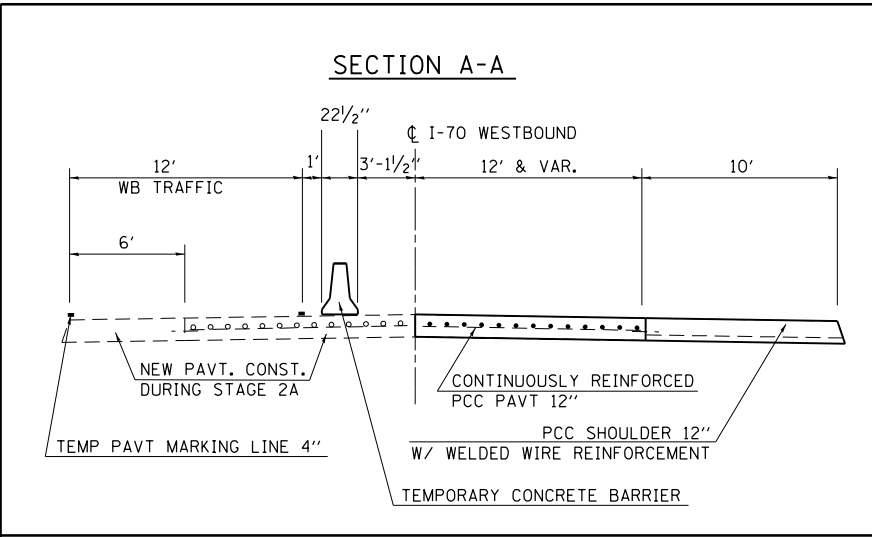
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Default	PLOT DATE = 5/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 2B TRAFFIC CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	133
CONTRACT NO. 74664				
ILLINOIS FED. AID PROJECT				



STA 1571+00 TO 2008+00
ALL TRAFFIC ON EAST BOUND LANES

NOTE: SEE STD. 701416
FOR DETAILS NOT SHOWN

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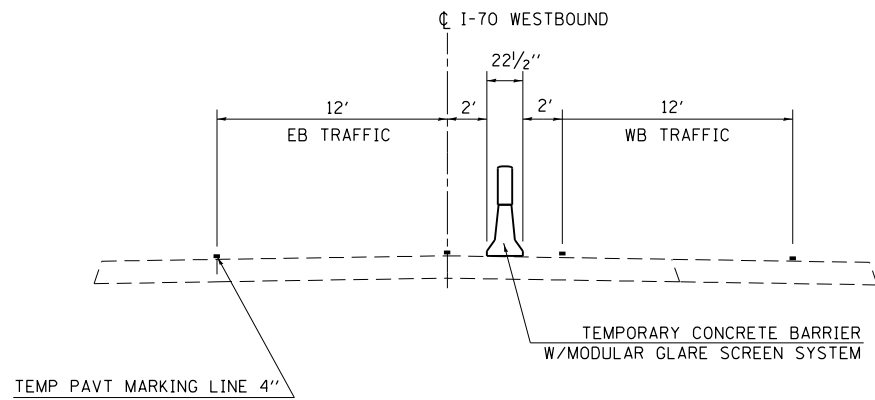
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2B TRAFFIC CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	134
			CONTRACT NO. 74664	
ILLINOIS FED. AID PROJECT				

SECTION A-A



TEMPORARY PAVEMENT							
STATION	TO	STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	DESCRIPTION
1459+42.0		1524+08.0	EB	6466.0	3	2155.3	HMA
1525+65.0		1534+68.0	EB	903.0	3	301.0	HMA
1536+01.0		1557+00.0	EB	2099.0	3	699.7	HMA
TOTAL						3156	

TEMPORARY RAISED PAVEMENT MARKER						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	EACH	DESCRIPTION
2008+42		2018+71	EB & WB	1029.0	82	BOTH EDGE LINES
2018+42		2023+42	WB	500.0	40	BOTH EDGE LINES
2033+42		2043+42	WB	1000.0	40	ONE EDGE LINE
TOTAL					162	

FILLING EXISTING RUMBLE STRIP					
STATION	TO	STATION	DIRECTION	LENGTH (FT)	DESCRIPTION
1996+75		2001+19	WB	444.0	OUTSIDE SHLDR
2006+43		2023+42	WB	1699.0	OUTSIDE SHLDR
TOTAL				2143	



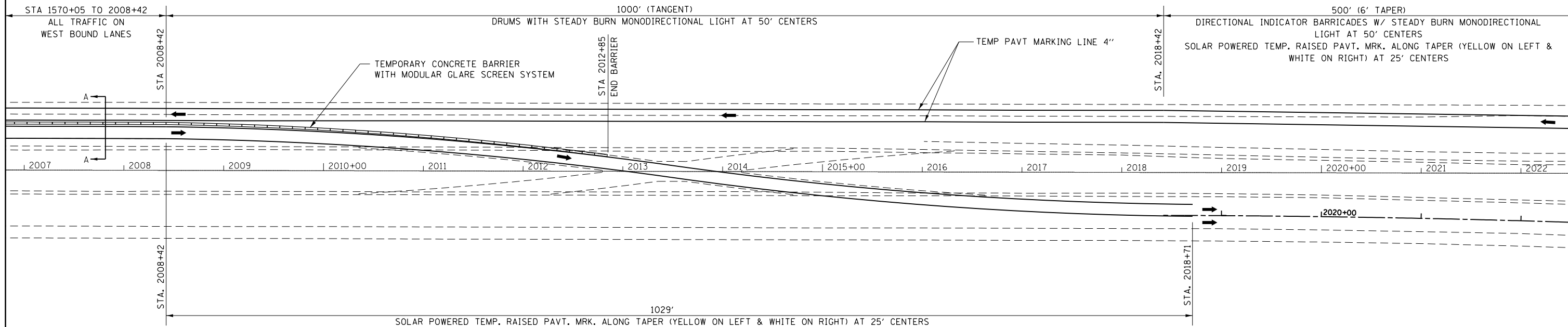
SUGGESTED SEQUENCE OF OPERATIONS

PRE-STAGE 3

1. CONSTRUCT PCC 12" EB PASSING LANE SHOULDER AND ADJOINING TEMPORARY PAVEMENT AT THE ALTAMONT INTERCHANGE.

STAGE 3

1. MOVE EB TRAFFIC TO WB PASSING LANE.
2. CONSTRUCT EB RUBBLIZATION AND HMA FULL-DEPTH PAVEMENT SECTIONS, INCLUDING PERMANENT PAVEMENT MARKINGS AND RUMBLE STRIPS.
3. COMPLETE EB EMBANKMENT, CULVERT EXTENSIONS, AND SEEDING.



PAVEMENT MARKING REMOVAL - WATER BLASTING						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	TOTAL (SQ FT)	DESCRIPTION
1568+22		2008+42	WB	44020	20176	REMOVE ONE 4" EDGE LINE & 6" CENTERLINE
1568+22		2008+42	WB	44020	14673	1 LINE - REM TEMP PAVT MRKS NOT SHOWN ON STD
TOTAL					34849	

TEMPORARY PAVEMENT MARKING - LINE 4"						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	TOTAL (FT)	DESCRIPTION
1568+22		2008+42	WB	44020.0	44020.0	1 LINE (3 LINES INCLUDED IN HIGHWAY STANDARD 701416)
TOTAL					44020	

PAVEMENT MARKING BLACKOUT TAPE - LINE 7"					
STATION	TO	STATION	DIRECTION	LENGTH (FT)	TAPE (FT)
2033+42		2043+42	WB	1000.0	275.0
TOTAL					275

PAVEMENT MARKING BLACKOUT TAPE - LINE 5"				
STATION	TO	STATION	DIRECTION	LENGTH (FT)
2010+50		2012+00	WB	150.0
2015+00		2016+47	EB	147.0
2008+42		2023+42	WB	1500.0
TOTAL				1797

SHORT TERM PAVEMENT MARKING REMOVAL							
STATION	TO	STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ FT)	DESCRIPTION
2008+42		2023+42	WB	1500.0	0.42	625.00	EDGE LINE
2010+50		2012+00	WB	150.0	0.42	62.50	EDGE LINE
2015+00		2016+47	EB	147.0	0.42	61.25	EDGE LINE
2033+42		2043+42	WB	1000.0	0.58	160.42	CENTERLINE & SKIP-DASH
TOTAL						909	

NOTE: SEE STD. 701416 FOR DETAILS NOT SHOWN
T = 43,680'

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Default	PLOT DATE = 5/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 3 TRAFFIC CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	135
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	

TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1				
LOCATION	DIRECTION / SIDE	EACH		
SN 025-0057	WB / INSIDE	1		
SN 025-0058	WB / INSIDE	1		
SN 025-0059	WB / INSIDE	1		
SN 025-0045	WB / INSIDE	1		
STATION	TO	STATION	DIRECTION / SIDE	EACH
1997+77.00		1998+27.00	WB / INSIDE	1
TOTAL				5

TERMINAL MARKER - DIRECT APPLIED				
LOCATION	DIRECTION / SIDE	EACH		
SN 025-0057	EB / INSIDE	1		
SN 025-0058	EB / INSIDE	1		
SN 025-0059	EB / INSIDE	1		
SN 025-0045	EB / INSIDE	1		
STATION	TO	STATION	DIRECTION / SIDE	EACH
1997+77.00		1998+27.00	WB / INSIDE	1
TOTAL				5

REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1				
STATION	TO	STATION	DIRECTION / SIDE	EACH
2012+20		2012+70	WB / INSIDE	1
TOTAL				1

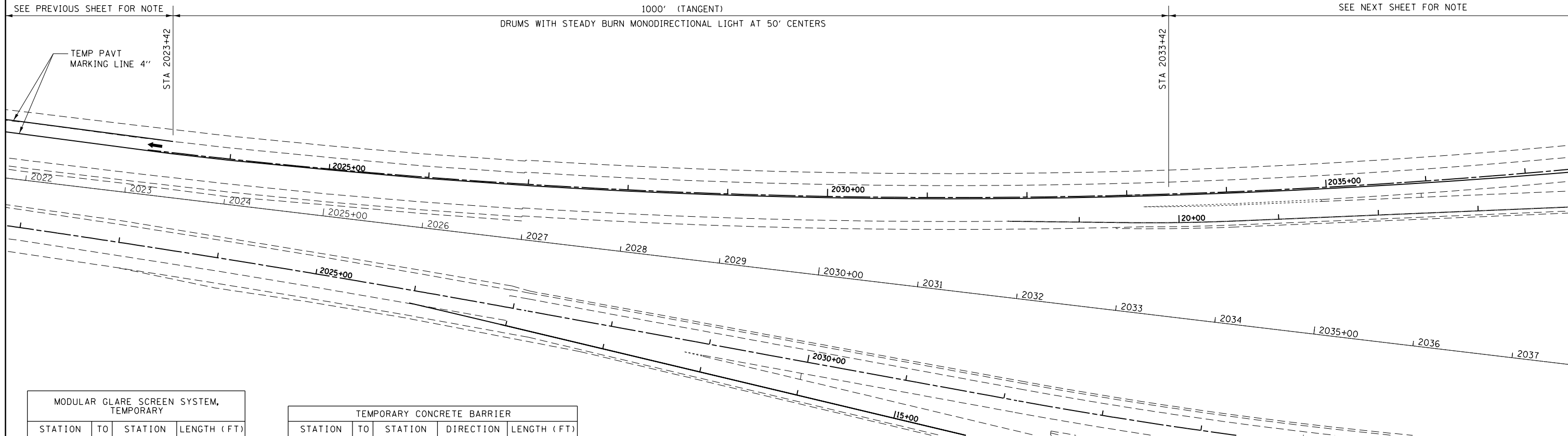
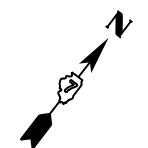
TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6				
STATION	TO	STATION	DIRECTION / SIDE	EACH
2000+89.50		2001+34.00	WB / INSIDE	1
TOTAL				1

TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 2				
LOCATION	DIRECTION / SIDE	EACH		
SN 025-0057	WB / INSIDE	1		
SN 025-0058	WB / INSIDE	1		
SN 025-0059	WB / INSIDE	1		
SN 025-0045	WB / INSIDE	1		
STATION	TO	STATION	DIRECTION / SIDE	EACH
2010+20.00		2010+32.50	WB / INSIDE	1
TOTAL				5

GUARDRAIL REFLECTORS, TYPE A				
LOCATION	DIRECTION / SIDE	EACH		
SN 025-0057	EB / INSIDE	4		
SN 025-0058	EB / INSIDE	4		
SN 025-0059	EB / INSIDE	4		
SN 025-0045	EB / INSIDE	4		
STATION	TO	STATION	DIRECTION / SIDE	EACH
1997+77.00		2001+34.50	WB / INSIDE	4
2010+20.00		2010+32.50	WB / INSIDE	1
TOTAL				21

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A				
STATION	TO	STATION	DIRECTION / SIDE	FOOT
2010+20		2012+20	WB / INSIDE	200.00
TOTAL				200

TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A				
STATION	TO	STATION	DIRECTION / SIDE	LENGTH (FT)
1998+27.00		2000+89.50	WB / INSIDE	262.5
SN 025-0057			WB / INSIDE	50.0
SN 025-0058			WB / INSIDE	50.0
SN 025-0059			WB / INSIDE	50.0
SN 025-0045			WB / INSIDE	50.0
TOTAL				462.5

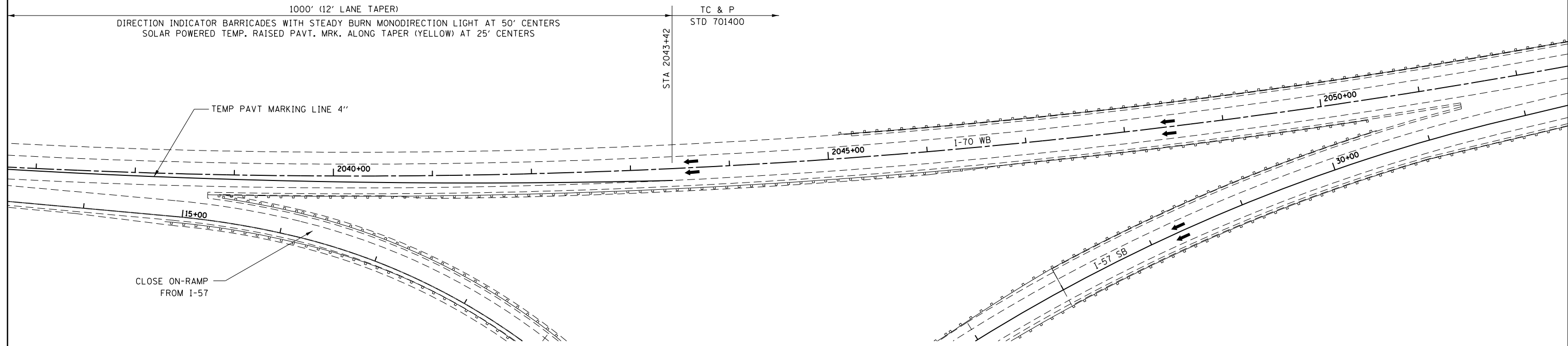
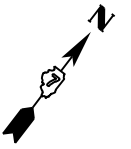


MODULAR GLARE SCREEN SYSTEM, TEMPORARY			
STATION	TO	STATION	LENGTH (FT)
1564+60.00		1590+32.50	2572.5
1590+71.50		1725+51.50	13480.0
1725+90.50		1732+68.60	678.1
1732+88.69		1785+99.15	5310.5
1786+28.38		1842+92.50	5664.1
1843+31.50		1927+46.53	8415.0
1927+72.31		1977+37.50	4965.2
1977+76.50		2012+85.00	3508.5
TOTAL			44594

TEMPORARY CONCRETE BARRIER				
STATION	TO	STATION	DIRECTION	LENGTH (FT)
1564+60.00		1590+32.50	WB	2572.5
1590+71.50		1725+51.50	WB	13480.0
1725+90.50		1732+68.60	WB	678.1
1732+88.69		1785+99.15	WB	5310.5
1786+28.38		1842+92.50	WB	5664.1
1843+31.50		1927+46.53	WB	8415.0
1927+72.31		1977+37.50	WB	4965.2
1977+76.50		2012+85.00	WB	3508.5
TOTAL				44594

TEMPORARY BARRIER GATE SYSTEM		
STATION	EACH	
1590+52	1	
1725+71	1	
1843+12	1	
1977+57	1	
TOTAL		4

NOTE: SEE STD. 701416 FOR DETAILS NOT SHOWN



NOTE: SEE STD. 701416 FOR DETAILS NOT SHOWN

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	PLOT DATE = 5/1/2017		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

STAGE 3 TRAFFIC CONTROL			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	137
			CONTRACT NO. 74664	
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING REMOVAL - WATER BLASTING						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	TOTAL (SQ FT)	DESCRIPTION
1522+77		1562+40	EB	3963	1321	1 LINE - REMOVE EXISTING EDGE LINE
1522+77		1561+40	EB	3863	2575	2 LINES - REMOVE TEMP PAVT MARKINGS
TOTAL					3896	

SHORT TERM PAVEMENT MARKING REMOVAL							
STATION	TO	STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ FT)	DESCRIPTION
1459+42		1462+62.48	EB	320.5	0.42	133.53	EDGE LINE
1521+77.25		1523+52	EB	174.8	0.42	72.81	EDGE LINE
TOTAL						206	

PAVEMENT MARKING BLACKOUT TAPE - LINE 5"				
STATION	TO	STATION	DIRECTION	LENGTH (FT)
1459+42		1462+62.48	EB	320.5
1521+77.25		1523+52	EB	174.8
TOTAL				495

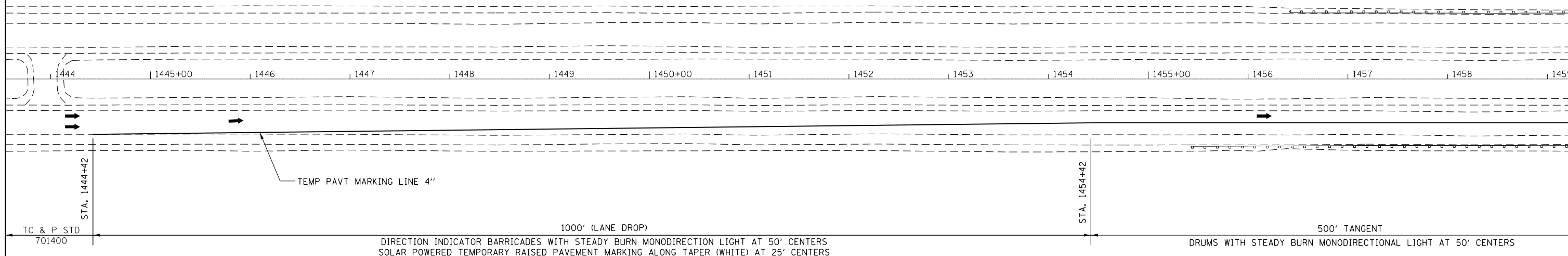
TEMPORARY PAVEMENT MARKING - LINE 4"						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	TOTAL (FT)	DESCRIPTION
1522+77		1561+40	EB	3863	7726	2 LINES
TOTAL					7726	

PAVEMENT MARKING BLACKOUT TAPE - LINE 7"					
STATION	TO	STATION	DIRECTION	LENGTH (FT)	TAPE (FT)
1444+42		1454+42	EB	1000.0	275.0
TOTAL					275

ALSO USED IN STAGE 3B

TEMPORARY PAVEMENT							
STATION	TO	STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	DESCRIPTION
1539+50.0		1541+41.2	EB		CAD AREA	442.4	PCC
TOTAL						442	

WELDED WIRE REINFORCEMENT						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)
1539+50.0		1541+41.2	EB		CAD AREA	442.4
TOTAL						442



FILLING EXISTING RUMBLE STRIP					
STATION	TO	STATION	DIRECTION	LENGTH (FT)	DESCRIPTION
1459+42		1462+62.48	EB	320.5	INSIDE SHLDR
1521+77.25		1524+08.35	EB	231.1	INSIDE SHLDR
TOTAL				552	

TEMPORARY CONCRETE BARRIER				
STATION	TO	STATION	DIRECTION	LENGTH (FT)
1462+14.23		1462+62.48	EB	48.3
1521+77.25		1565+40.00	EB	4362.8
1534+09.27*		1540+02.25	EB	595.7
TOTAL				5007

*NOT PARALLEL TO MAINLINE STATIONING

TEMPORARY RAISED PAVEMENT MARKER						
STATION	TO	STATION	DIRECTION	LENGTH (FT)	EACH	DESCRIPTION
1444+42		1454+42	EB	1000.0	40	ONE EDGE LINE
1459+42		1462+62.48	EB	320.5	26	BOTH EDGE LINES
1521+77.25		1522+77	EB	99.8	8	BOTH EDGE LINES
1561+40		1570+05	WB & WB	865.0	69	BOTH EDGE LINES
TOTAL					143	

PINNING TEMPORARY CONCRETE BARRIER					
STATION	TO	STATION	DIRECTION	LENGTH (FT)	EACH
1462+14.23		1462+62.48	EB	48	15
1521+77.25		1524+08.35	EB	231	55
1525+65.35		1534+67.52	EB	902	217
1536+00.86		1565+40.00	EB	2939	708
TOTAL					995

IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		
STATION	DIRECTION	EACH
1462+02	EB	1
TOTAL		1

SUGGESTED SEQUENCE OF OPERATIONS

STAGE 3A

1. CONSTRUCT EB DRIVING LANE CRC PAVEMENT, EB DRIVING LANE STRUCTURES, AND EB ALTAMONT INTERCHANGE RAMPS.

NOTE: SEE STD. 701402 FOR DETAILS NOT SHOWN

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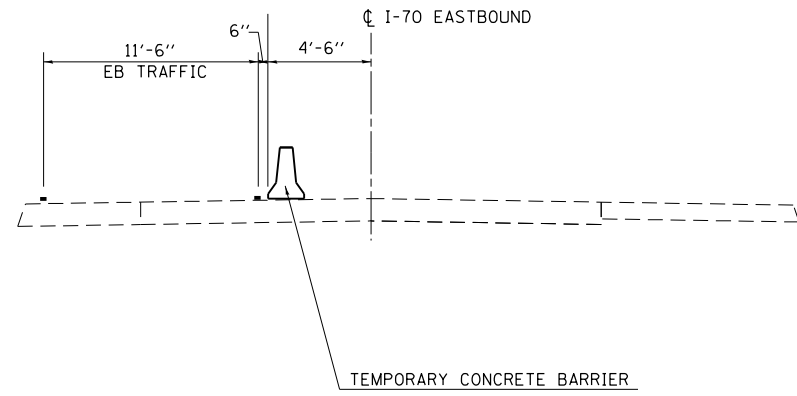
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 3A TRAFFIC CONTROL

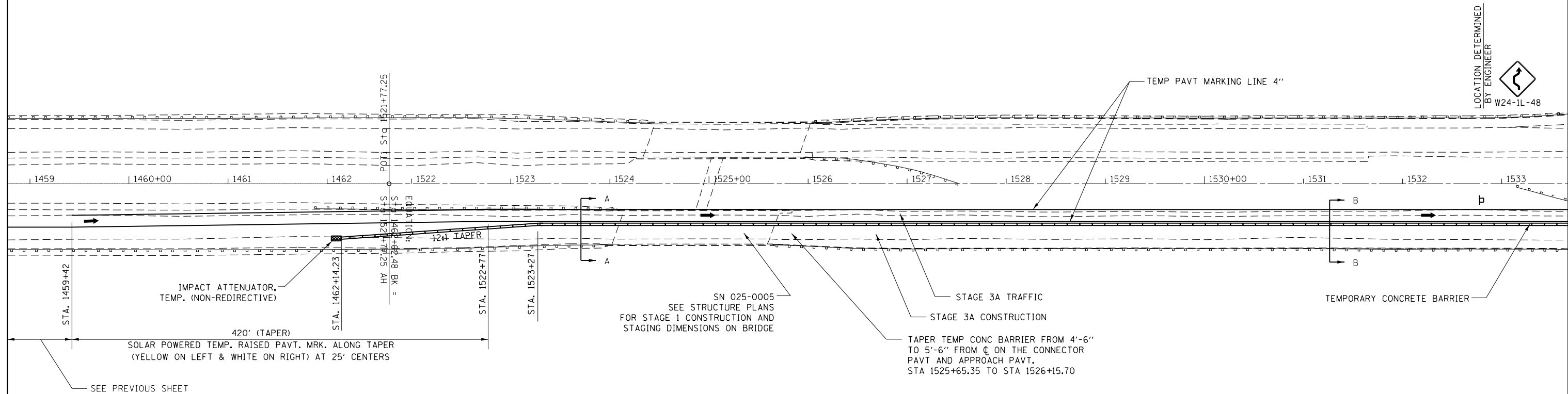
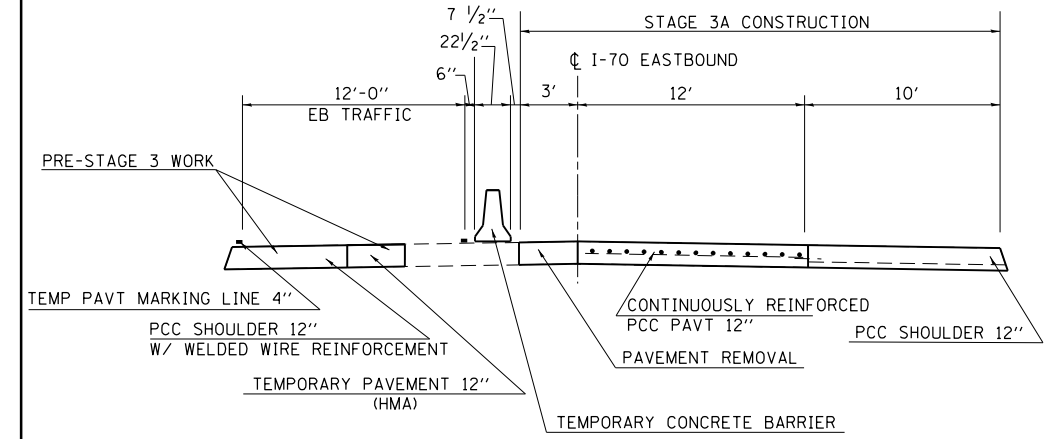
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	138
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	

SECTION A-A



SECTION B-B



LOCATION DETERMINED BY ENGINEER
W24-1L-48

NOTE: SEE STD. 701402 FOR DETAILS NOT SHOWN

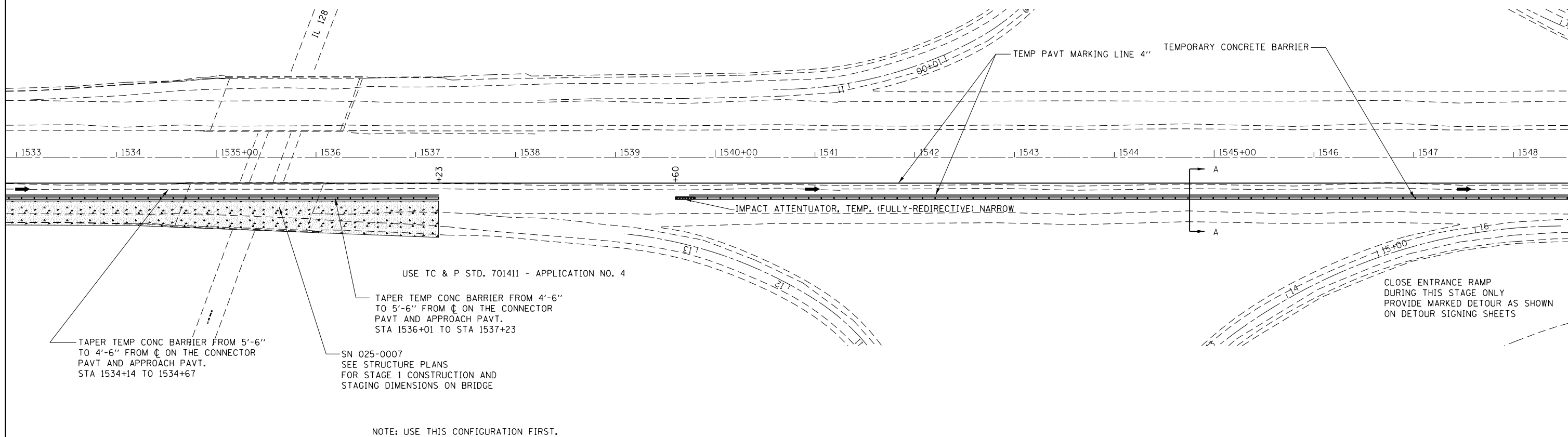
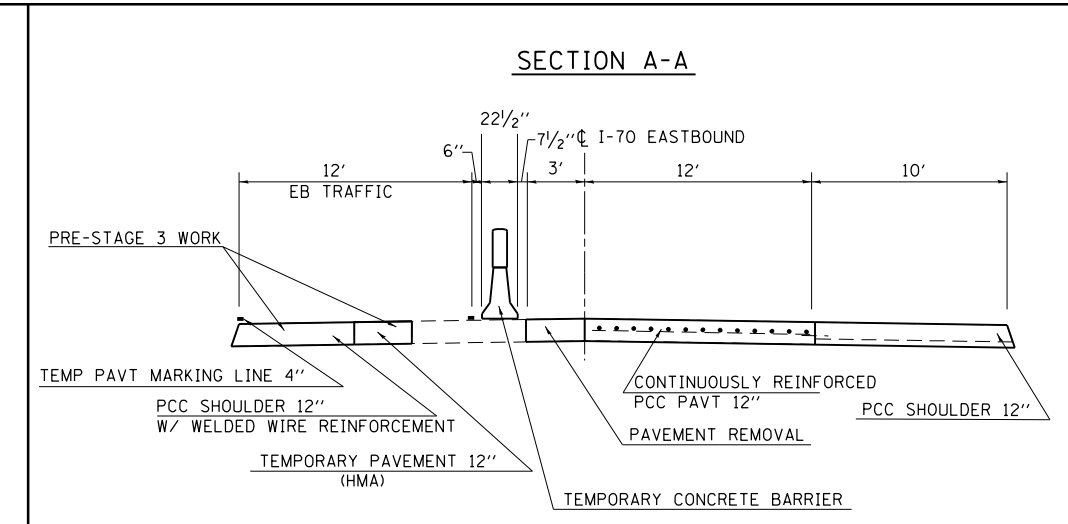
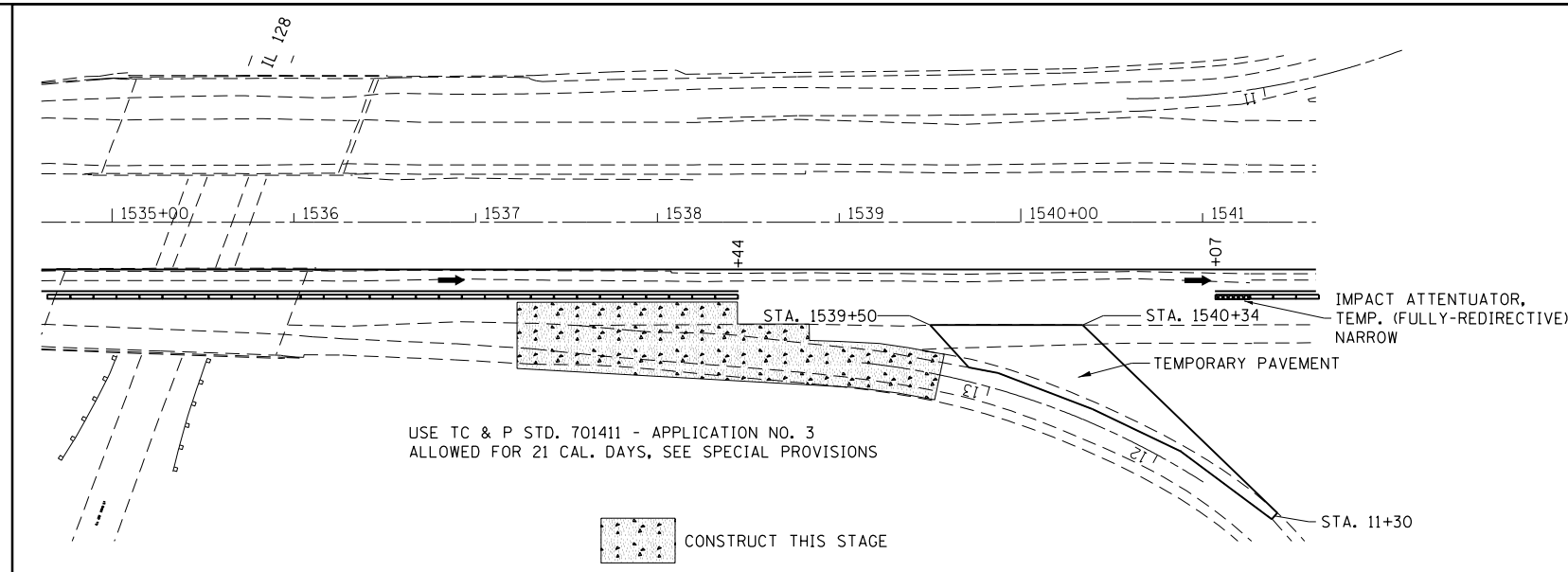
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Default	PLOT DATE = 5/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 3A TRAFFIC CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	139
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	



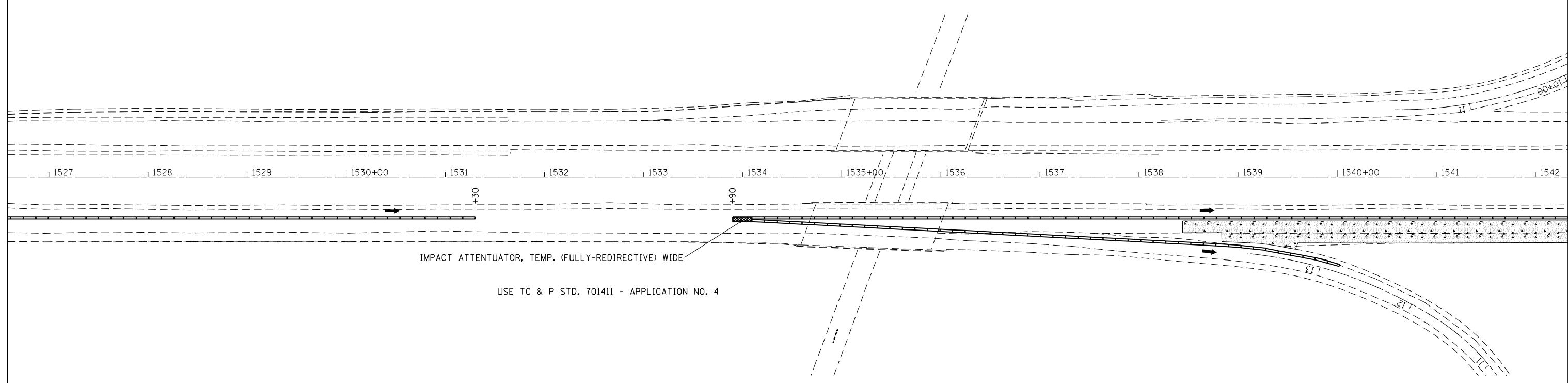
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 3A TRAFFIC CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	140
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	



 CONSTRUCT THIS STAGE

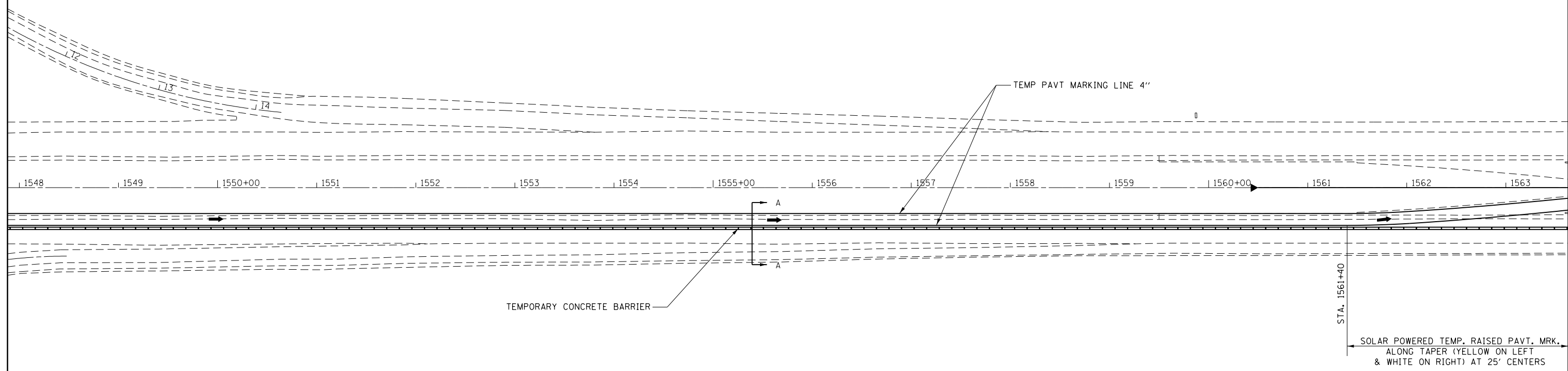
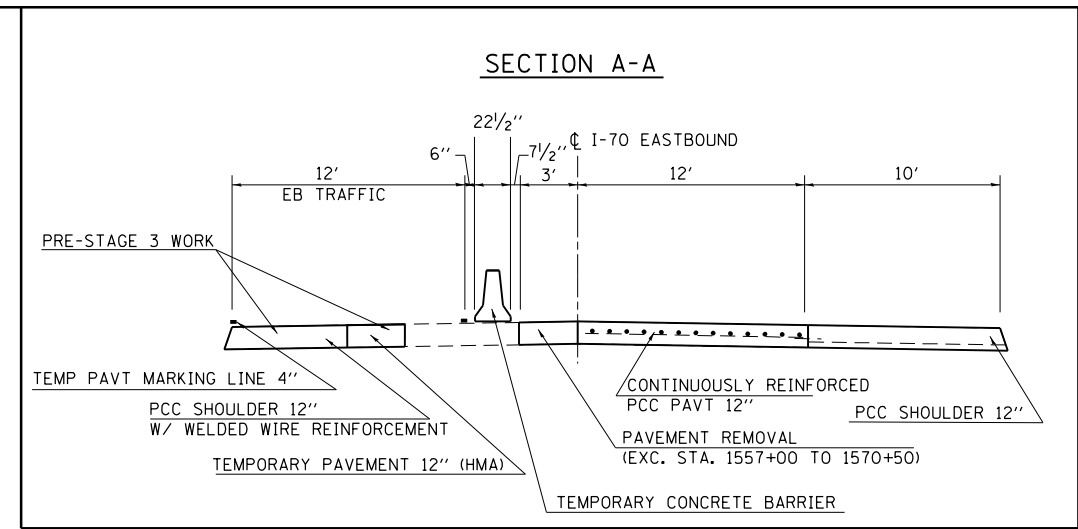
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 3A TRAFFIC CONTROL

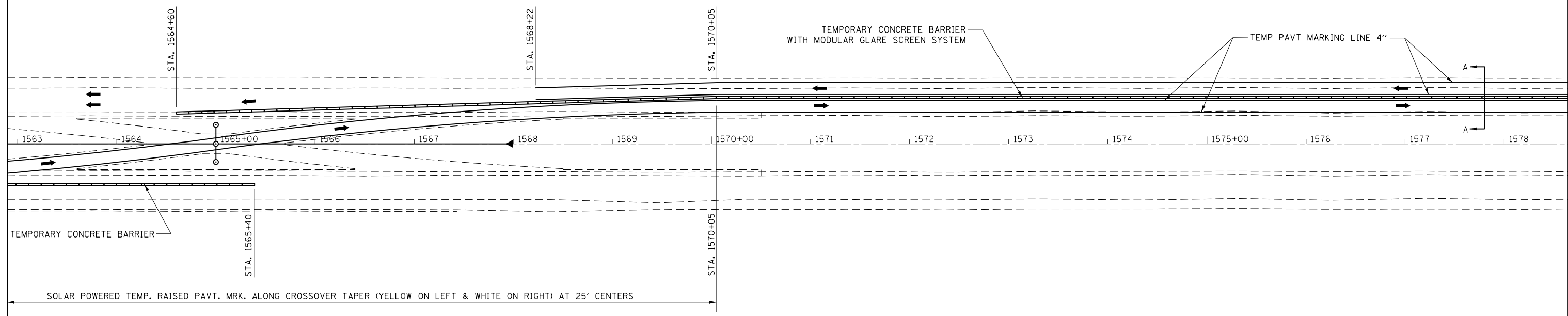
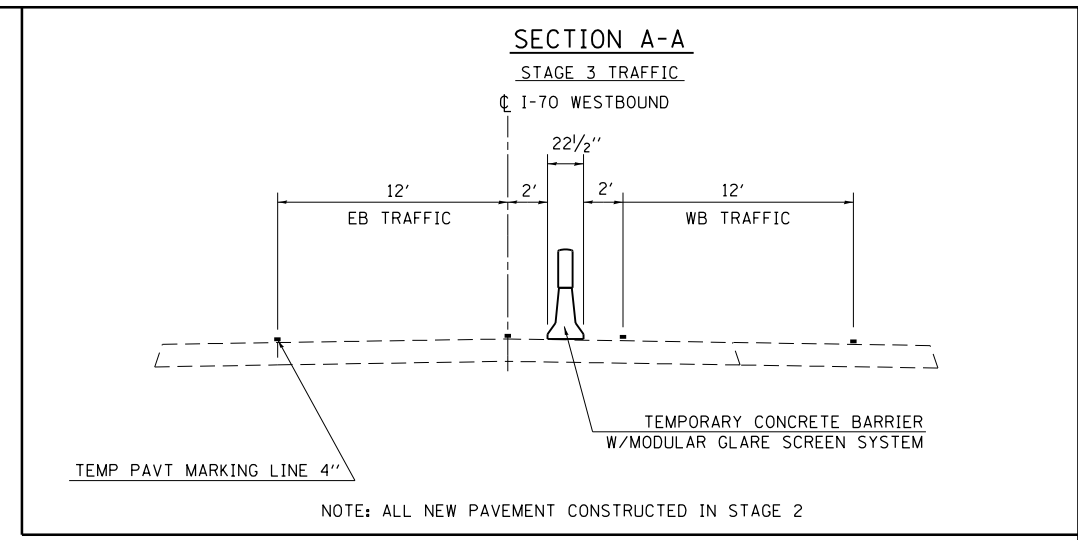
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	140A
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74664	



NOTE: SEE STD. 701416 FOR DETAILS NOT SHOWN

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 3A TRAFFIC CONTROL			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 74664				
	PLOT DATE = 5/1/2017	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



NOTE: SEE STD. 701416 FOR DETAILS NOT SHOWN

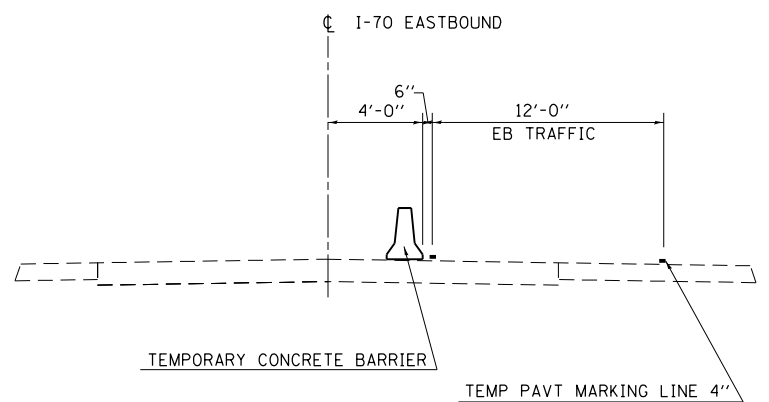
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

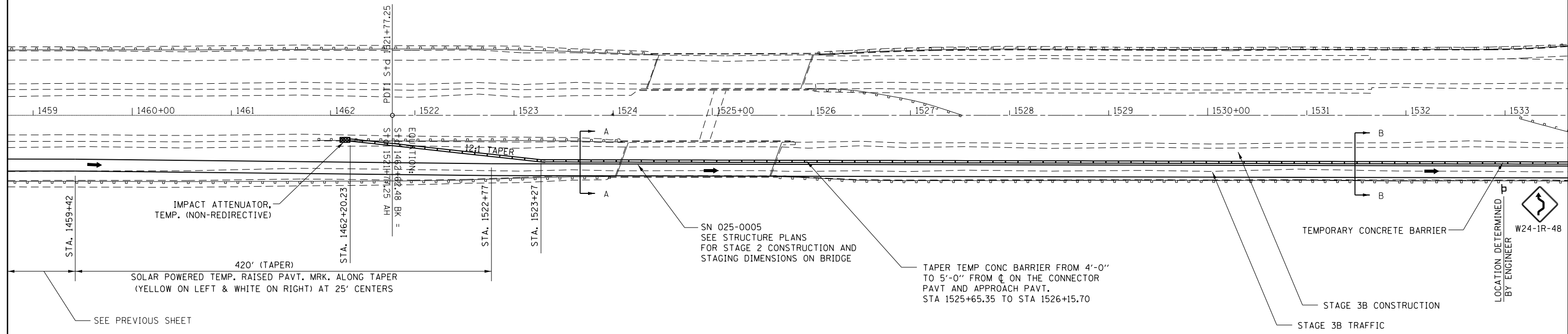
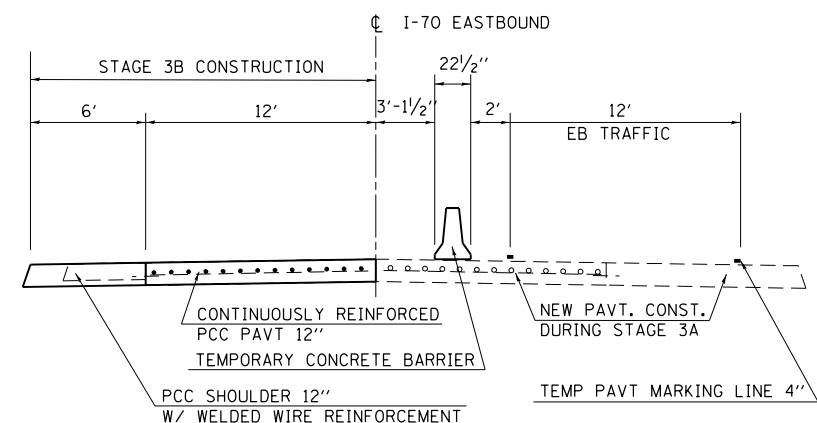
STAGE 3A TRAFFIC CONTROL			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	142
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	

SECTION A-A

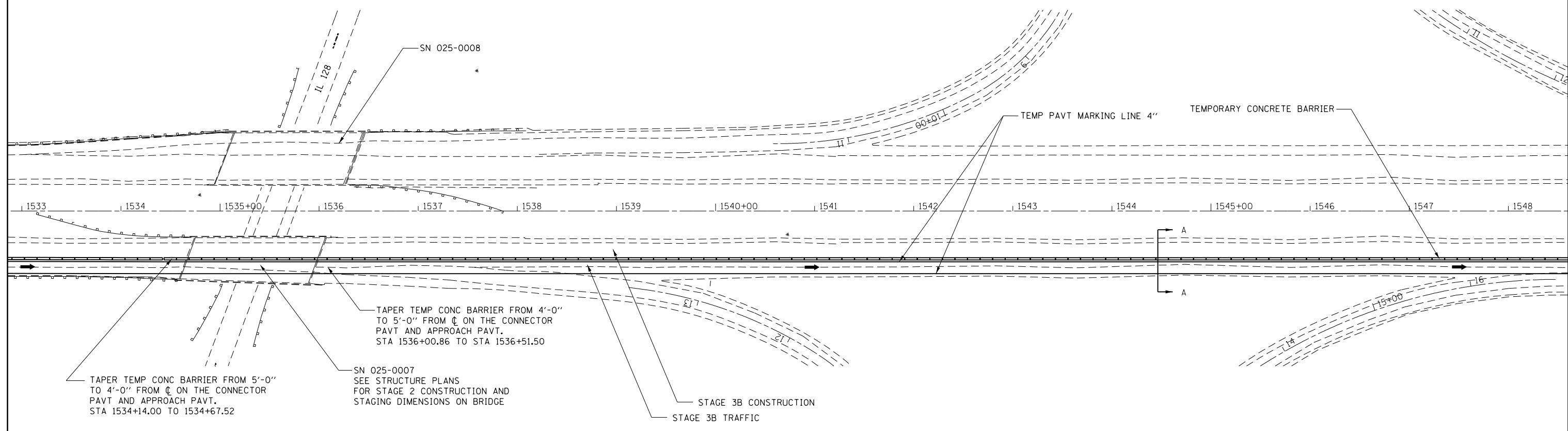
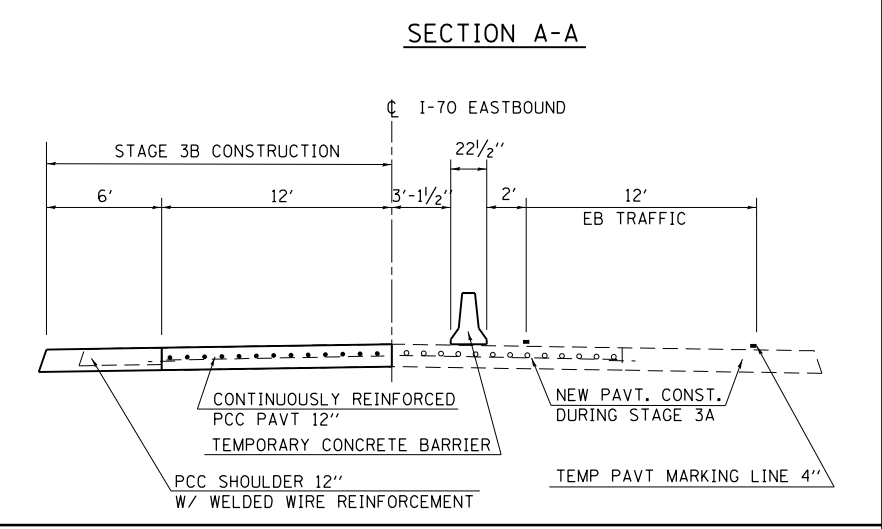


SECTION B-B



NOTE: SEE STD. 701402 FOR DETAILS NOT SHOWN

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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 74664	
	PLOT DATE = 5/1/2017											ILLINOIS FED. AID PROJECT	



FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
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	PLOT DATE = 5/1/2017	DATE -	REVISED -

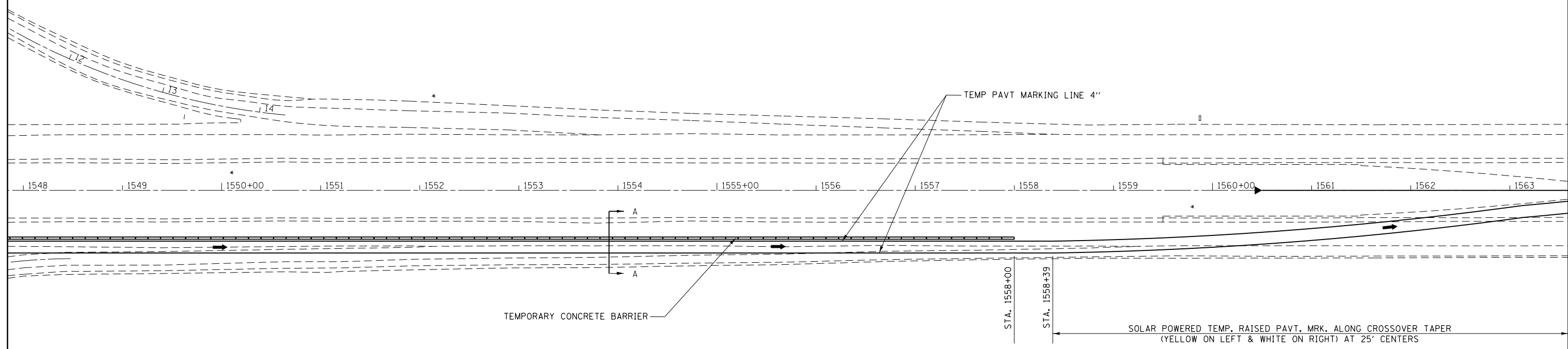
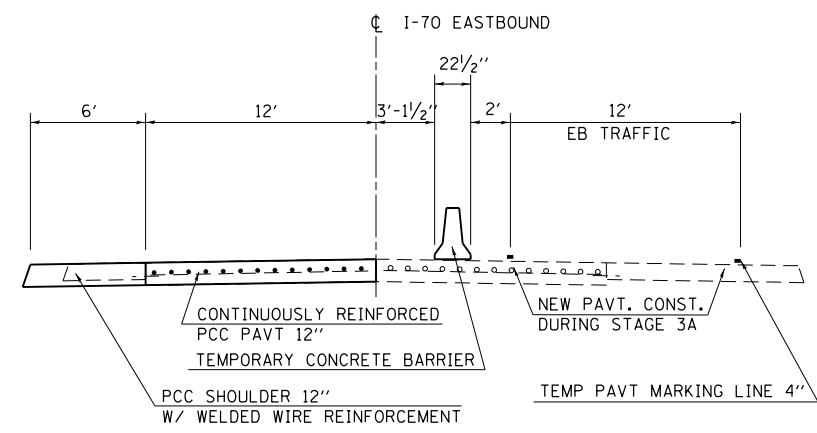
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 3B TRAFFIC CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

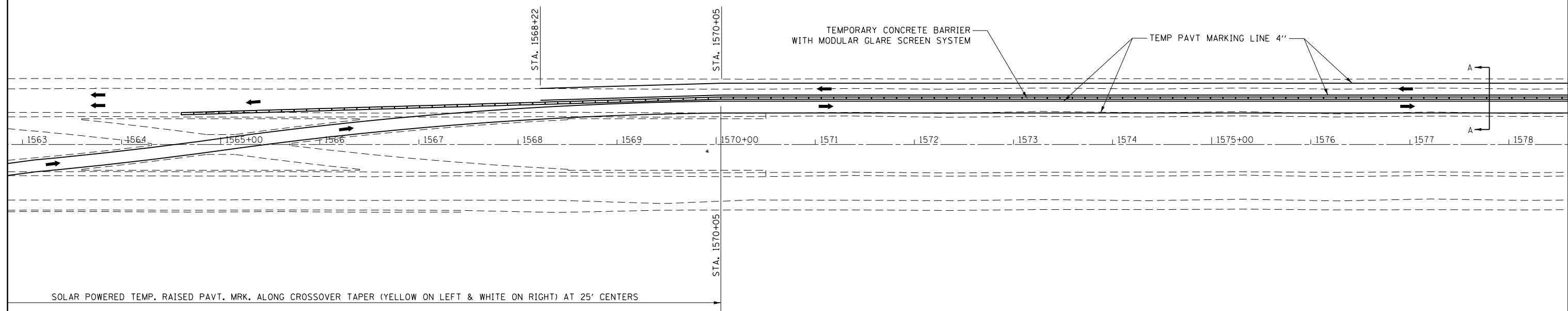
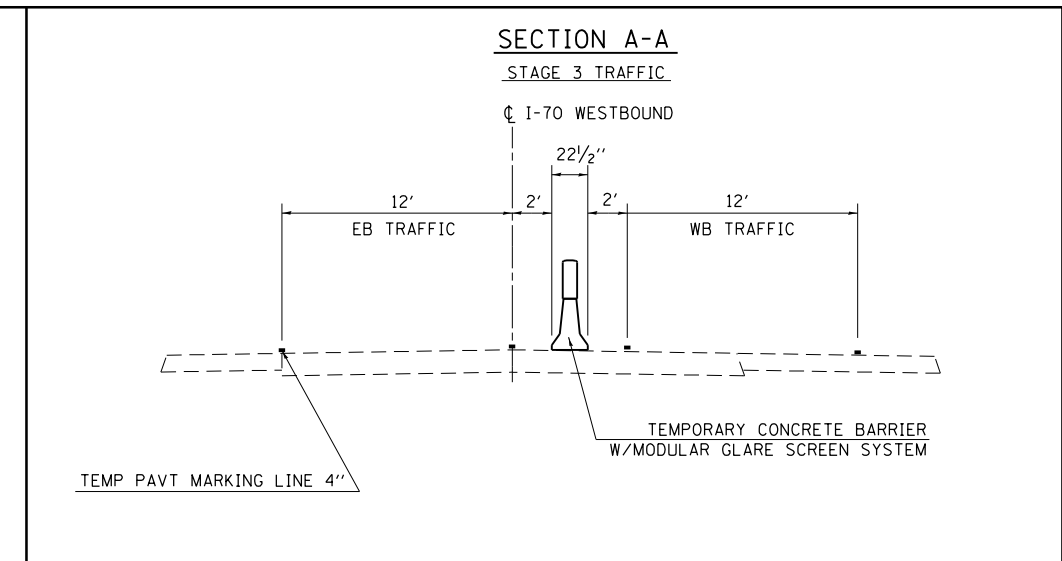
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	145
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	

SECTION A-A



NOTE: SEE STD. 701416 FOR DETAILS NOT SHOWN

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 3B TRAFFIC CONTROL				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 74664	
	PLOT DATE = 5/1/2017											ILLINOIS FED. AID PROJECT	



NOTE: SEE STD. 701416 FOR DETAILS NOT SHOWN

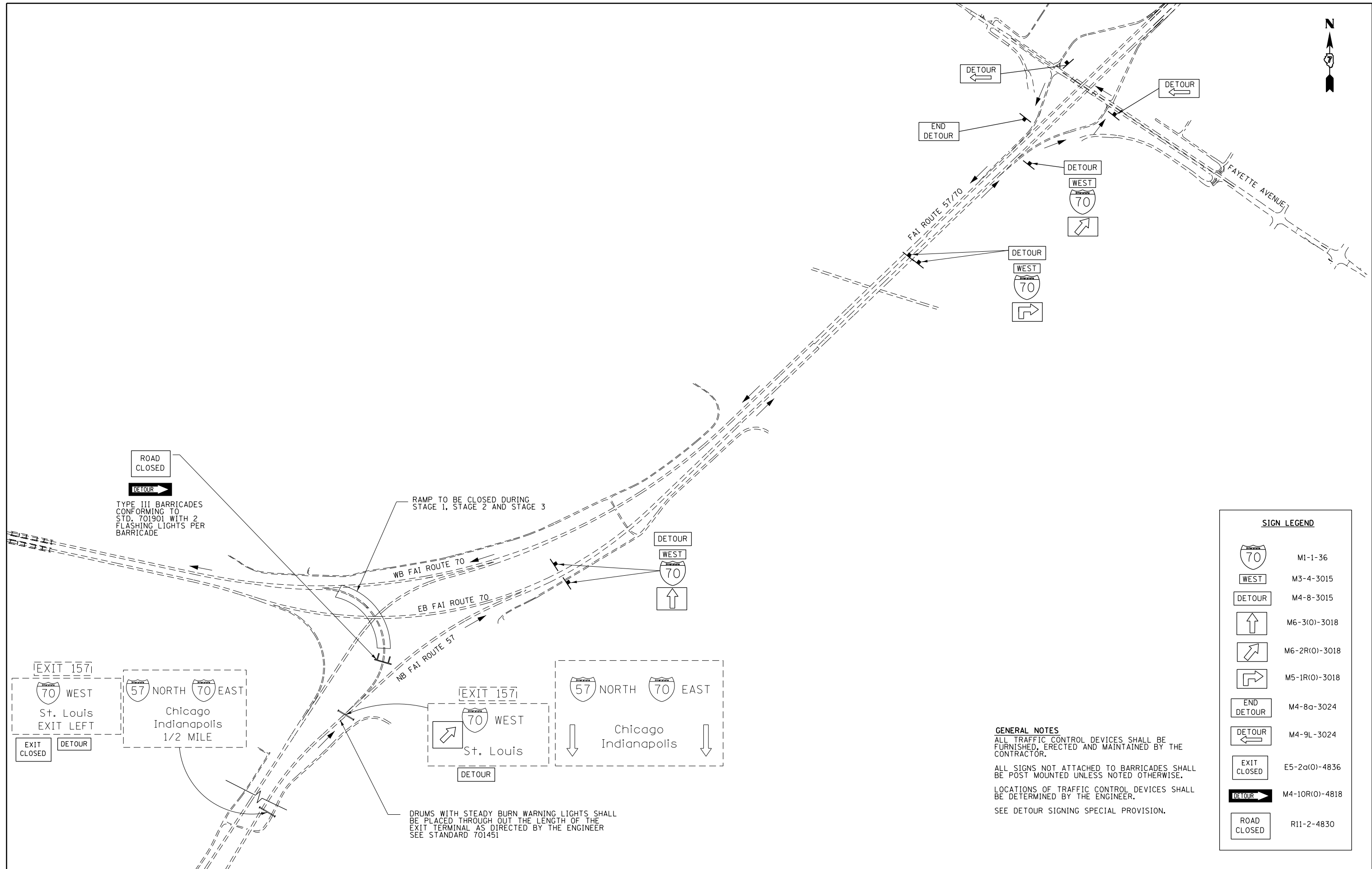
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 3B TRAFFIC CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	147
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	



ROAD CLOSED
 TYPE III BARRICADES CONFORMING TO STD. 701901 WITH 2 FLASHING LIGHTS PER BARRICADE

RAMP TO BE CLOSED DURING STAGE 1, STAGE 2 AND STAGE 3

EXIT 157i
 70 WEST
 St. Louis
 EXIT LEFT
 EXIT CLOSED
 DETOUR

57 NORTH 70 EAST
 Chicago
 Indianapolis
 1/2 MILE

EXIT 157i
 70 WEST
 St. Louis
 DETOUR

57 NORTH 70 EAST
 Chicago
 Indianapolis

DRUMS WITH STEADY BURN WARNING LIGHTS SHALL BE PLACED THROUGH OUT THE LENGTH OF THE EXIT TERMINAL AS DIRECTED BY THE ENGINEER SEE STANDARD 701451

SIGN LEGEND	
	M1-1-36
	M3-4-3015
	M4-8-3015
	M6-3(O)-3018
	M6-2R(O)-3018
	M5-1R(O)-3018
	M4-8a-3024
	M4-9L-3024
	E5-2a(O)-4836
	M4-10R(O)-4818
	R11-2-4830

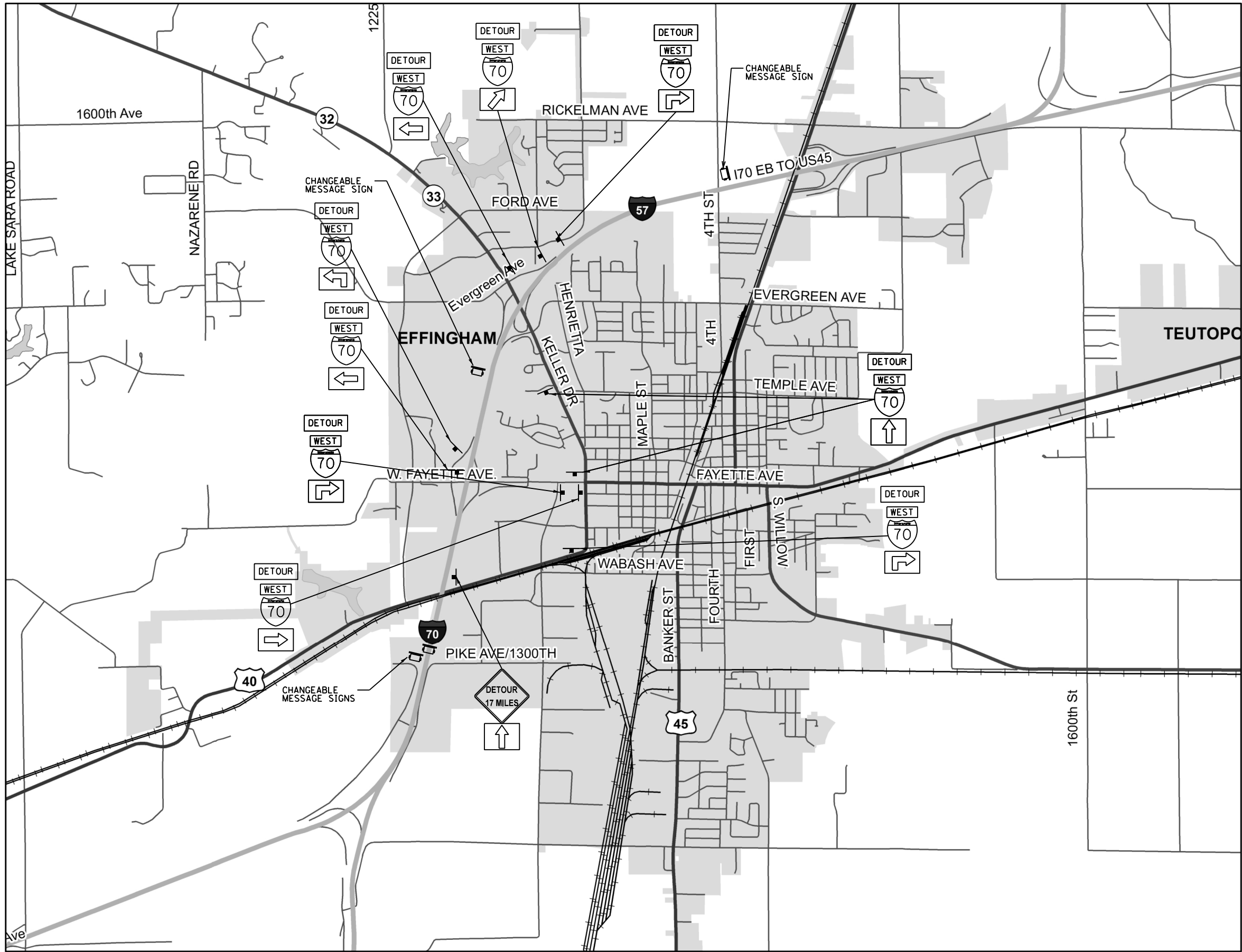
GENERAL NOTES
 ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
 ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED UNLESS NOTED OTHERWISE.
 LOCATIONS OF TRAFFIC CONTROL DEVICES SHALL BE DETERMINED BY THE ENGINEER.
 SEE DETOUR SIGNING SPECIAL PROVISION.

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Default	PLOT DATE = 3/23/2017	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING			
SCALE: N/A	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	148
CONTRACT NO. 74664				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
 ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED UNLESS NOTED OTHERWISE.
 LOCATIONS OF TRAFFIC CONTROL DEVICES SHALL BE DETERMINED BY THE ENGINEER.
 SEE DETOUR SIGNING SPECIAL PROVISION.

SIGN LEGEND	
	M1-1-36
	M3-4-3015
	M4-8-3015
	W-20-2-48
	M6-3(O)-3018
	M6-2R(O)-3018
	M5-1L(O)-3018
	M5-1R(O)-3018
	M6-2L(O)-3018
	M6-2R(O)-3018

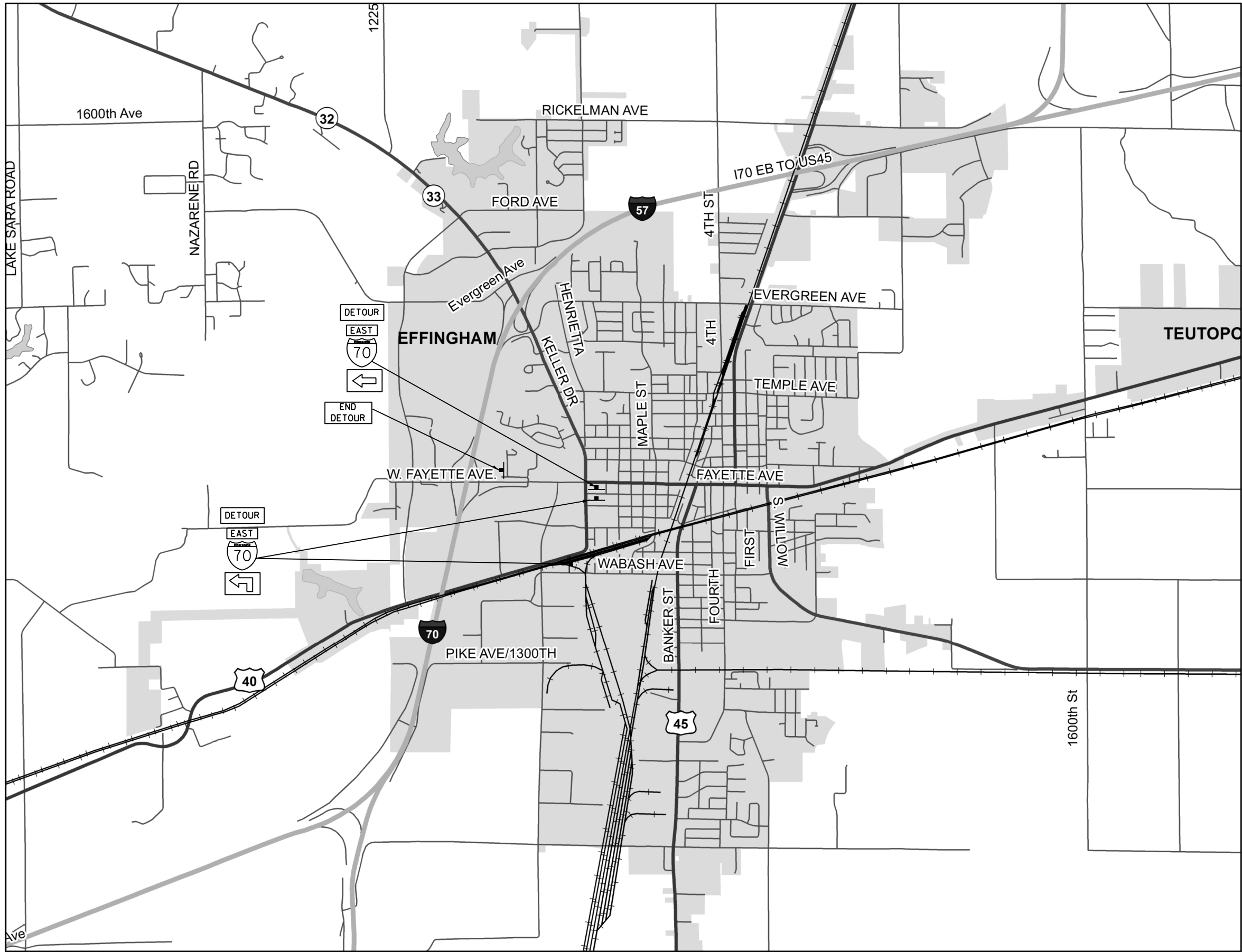
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	PLOT DATE = 5/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING

SCALE: N/A SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	149
				CONTRACT NO. 74664
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
 ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED UNLESS NOTED OTHERWISE.
 LOCATIONS OF TRAFFIC CONTROL DEVICES SHALL BE DETERMINED BY THE ENGINEER.
 SEE DETOUR SIGNING SPECIAL PROVISION.

SIGN LEGEND

	M1-1-36
	M3-2-3015
	M4-8-3015
	M5-1L(O)-3018
	M4-8a-3024
	M6-2L(O)-3018

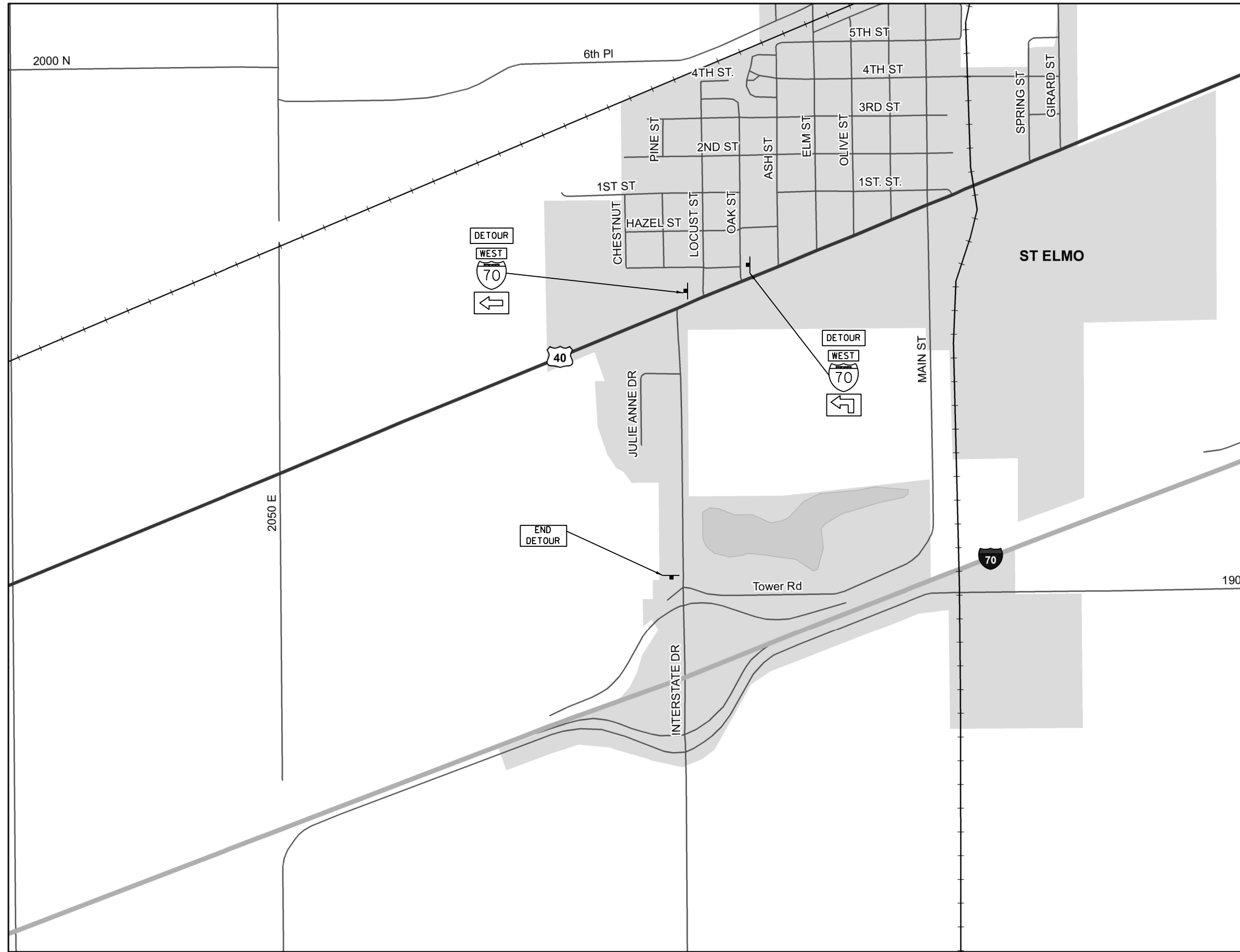
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	PLOT DATE = 3/23/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING

SCALE: N/A SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	150
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	



GENERAL NOTES

ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
 ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED UNLESS NOTED OTHERWISE.
 LOCATIONS OF TRAFFIC CONTROL DEVICES SHALL BE DETERMINED BY THE ENGINEER.
 SEE DETOUR SIGNING SPECIAL PROVISION.

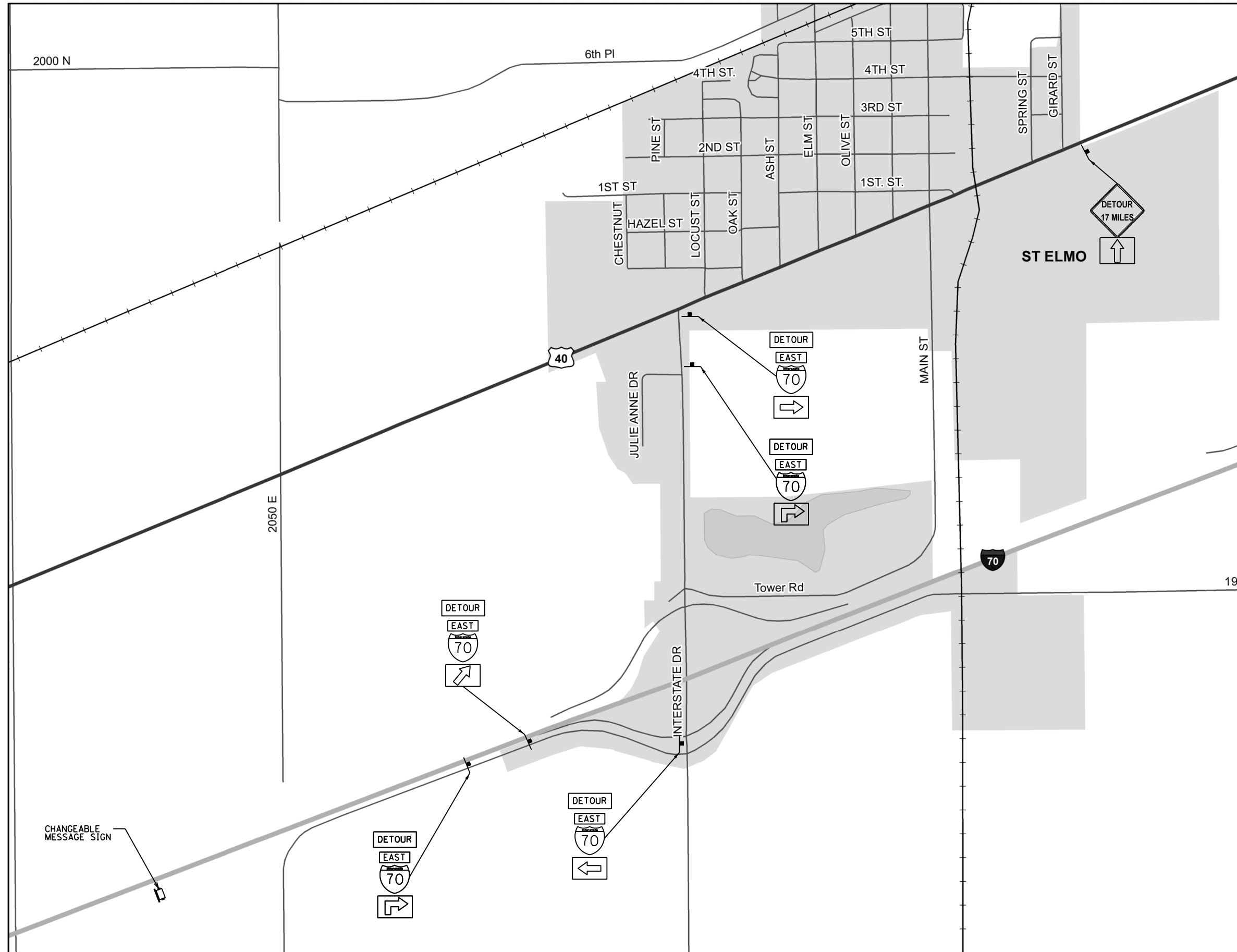
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	M3-4-3015
	M4-8-3015
	M5-1L(O)-3018
	M4-8a-3024
	M6-2L(O)-3018

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

DETOUR SIGNING			
SCALE: N/A	SHEET	OF SHEETS	STA. TO STA.

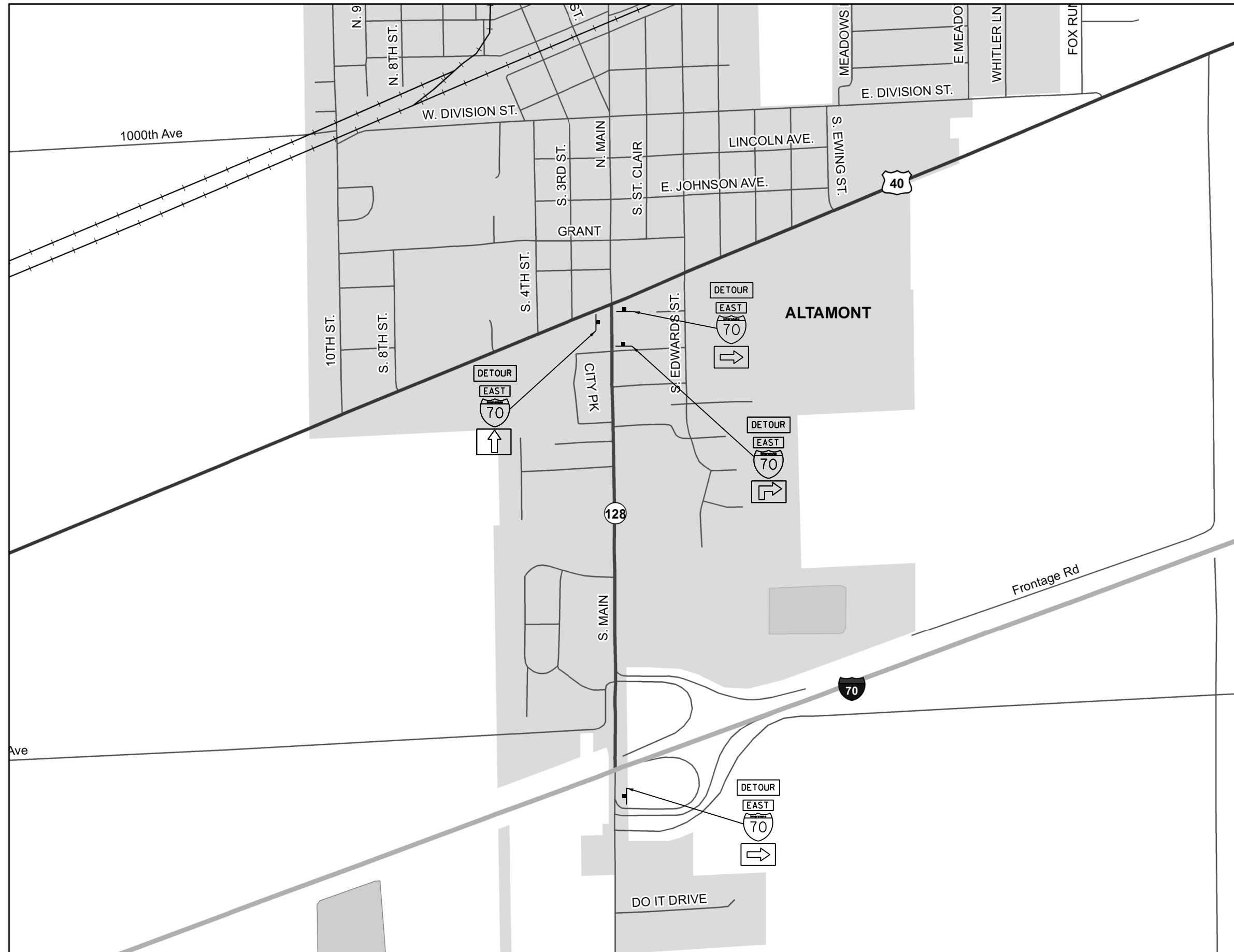
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	151
				CONTRACT NO. 74664
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
 ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED UNLESS NOTED OTHERWISE.
 LOCATIONS OF TRAFFIC CONTROL DEVICES SHALL BE DETERMINED BY THE ENGINEER.
 SEE DETOUR SIGNING SPECIAL PROVISION.

SIGN LEGEND	
	M1-1-36
	M3-2-3015
	M4-8-3015
	W-20-2-48
	M6-3(0)-3018
	M6-2R(0)-3018
	M6-2L(0)-3018
	M6-2R(0)-3018
	M5-1R(0)-3018



GENERAL NOTES

ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.

ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED UNLESS NOTED OTHERWISE.

LOCATIONS OF TRAFFIC CONTROL DEVICES SHALL BE DETERMINED BY THE ENGINEER.

SEE DETOUR SIGNING SPECIAL PROVISION.

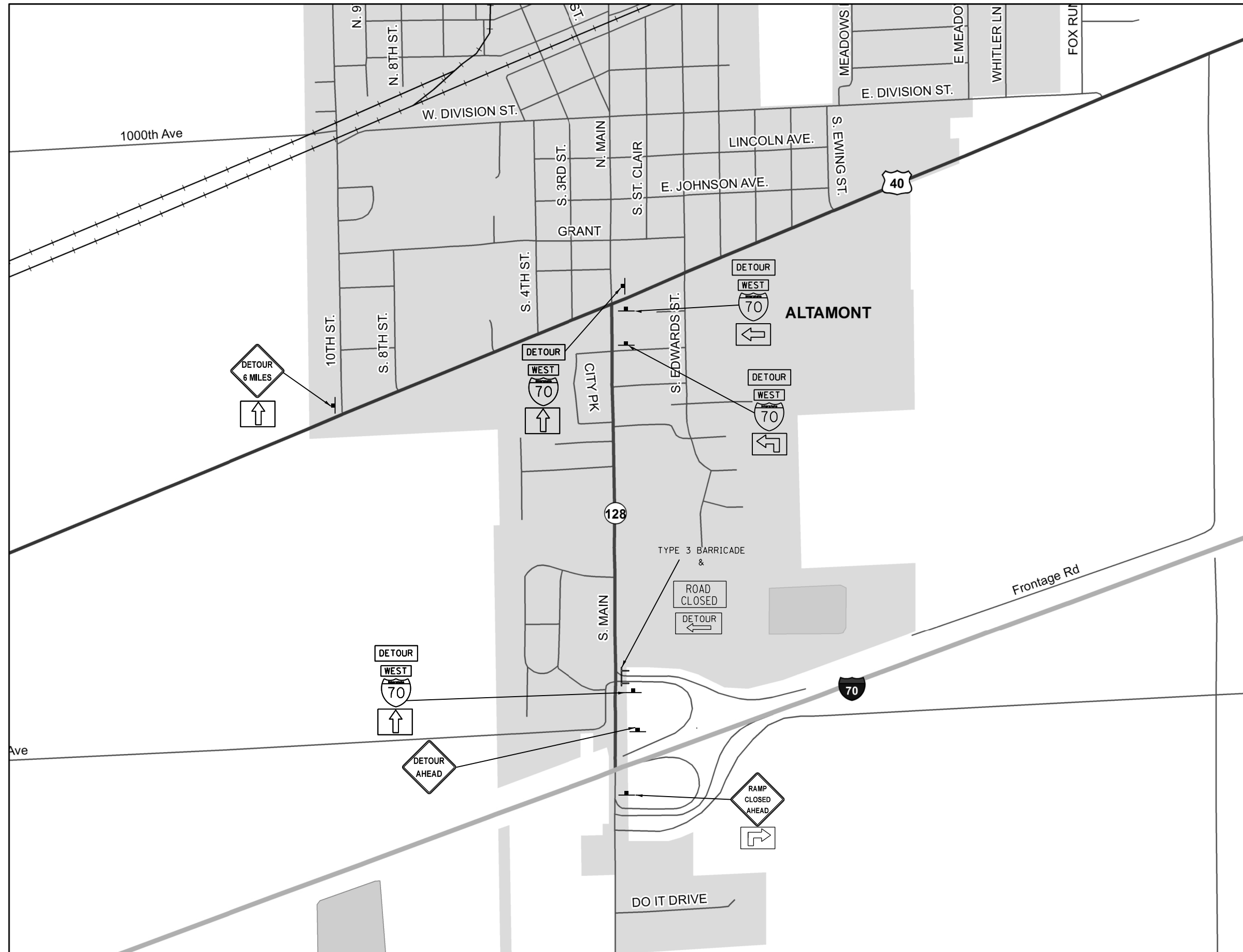
SIGN LEGEND	
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	M3-2-3015
	M4-8-3015
	M6-3(O)-3018
	M6-2R(O)-3018

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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 5/1/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING			
SCALE: N/A	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	153
CONTRACT NO. 74664				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.

ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED UNLESS NOTED OTHERWISE.

LOCATIONS OF TRAFFIC CONTROL DEVICES SHALL BE DETERMINED BY THE ENGINEER.

SEE DETOUR SIGNING SPECIAL PROVISION.

SIGNS SHOWN ON THIS SHEET SHALL BE ERECTED ONLY DURING WESTBOUND ENTRANCE RAMP CLOSURE AT ALTAMONT.

SIGN LEGEND	
	M1-1-36
	M3-4-3015
	M4-8-3015
	W-20-2-48
	TYPE 3 BARRICADE
	W-20-3-48
	M6-3(0)-3018
	M6-2L(0)-3018
	M5-1L(0)-3018
	M5-1R(0)-3018
	M4-9L-3024
	R11-2-4830

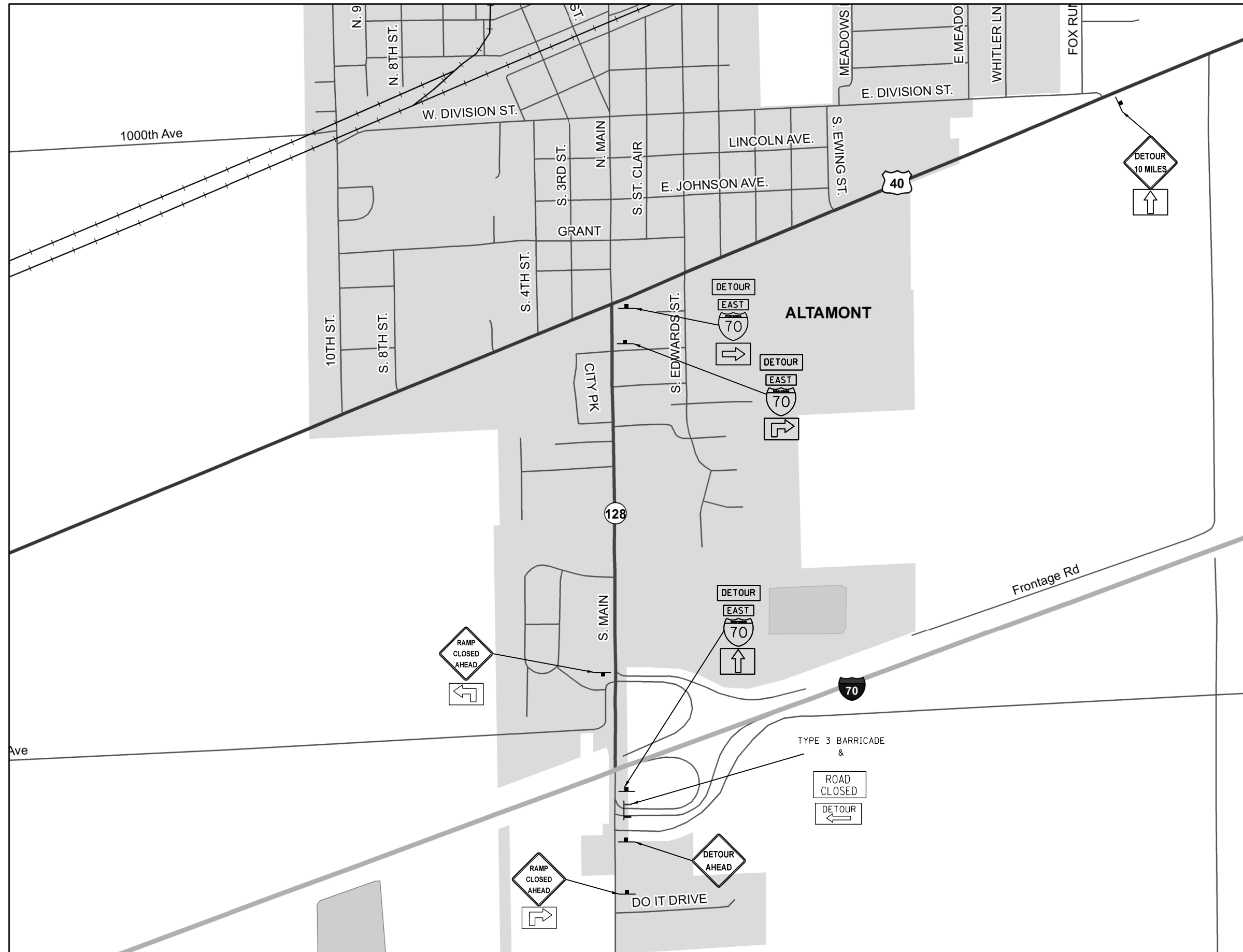
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/23/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING

SCALE: N/A SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	154
				CONTRACT NO. 74664
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.

ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED UNLESS NOTED OTHERWISE.

LOCATIONS OF TRAFFIC CONTROL DEVICES SHALL BE DETERMINED BY THE ENGINEER.

SEE DETOUR SIGNING SPECIAL PROVISION.

SIGNS SHOWN ON THIS SHEET SHALL BE ERECTED ONLY DURING EASTBOUND ENTRANCE RAMP CLOSURE AT ALTAMONT.

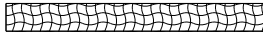
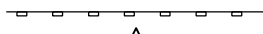






SIGN LEGEND	
	M1-1-36
	M3-2-3015
	W-20-2-48
	TYPE 3 BARRICADE
	W-20-3-48
	M4-8-3015
	M6-3(0)-3018
	M5-1L(0)-3018
	M5-1R(0)-3018
	M4-9L-3024
	R11-2-4830

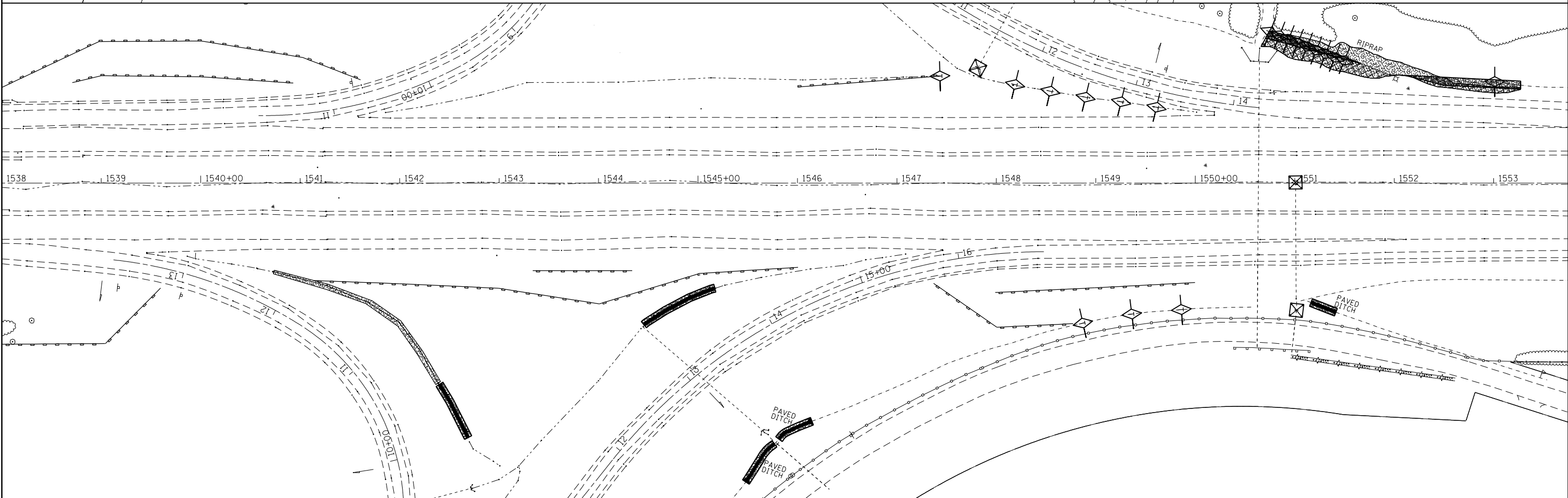
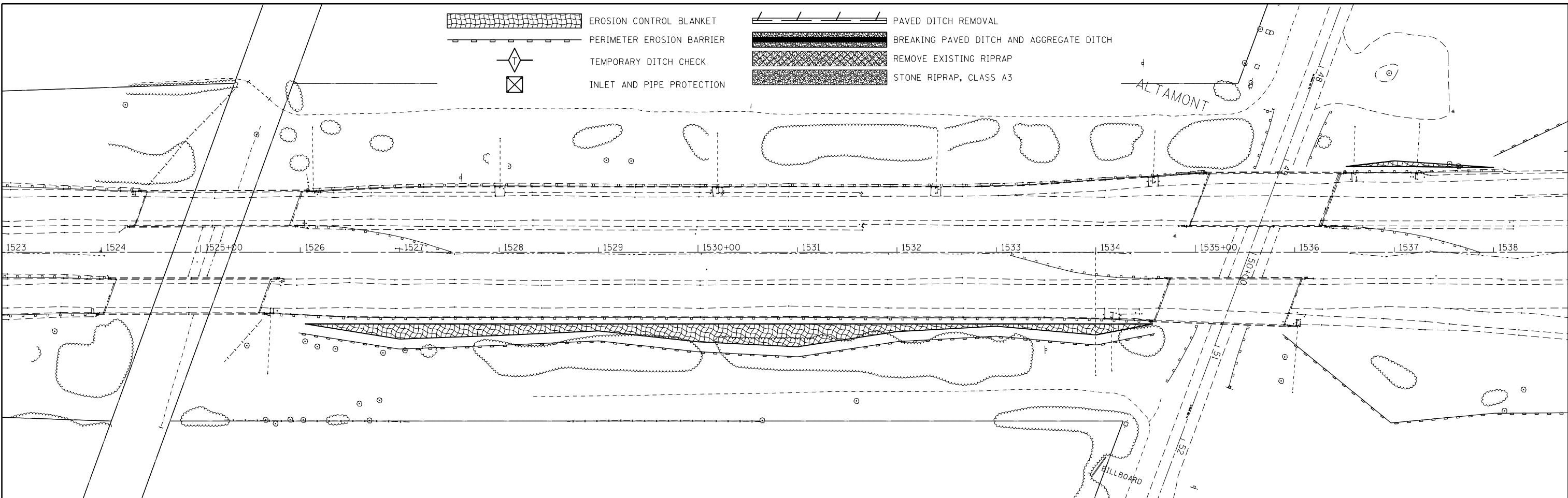
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING			
SCALE: N/A	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	155
				CONTRACT NO. 74664
ILLINOIS FED. AID PROJECT				

-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION
-  PAVED DITCH REMOVAL
-  BREAKING PAVED DITCH AND AGGREGATE DITCH
-  REMOVE EXISTING RIPRAP
-  STONE RIPRAP, CLASS A3



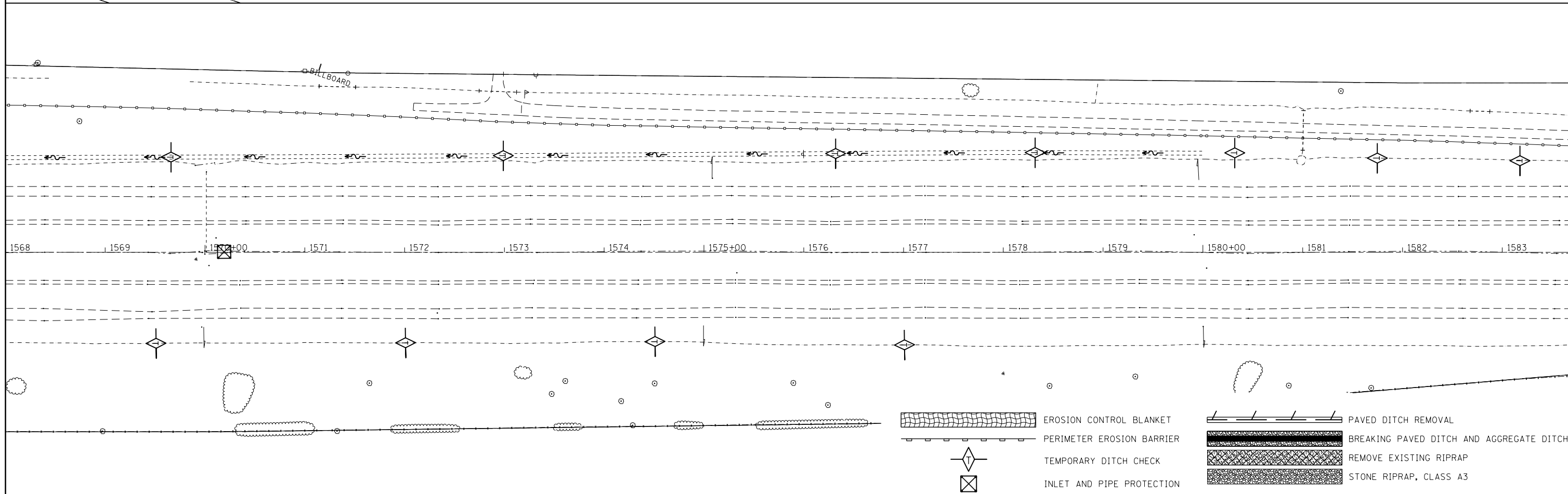
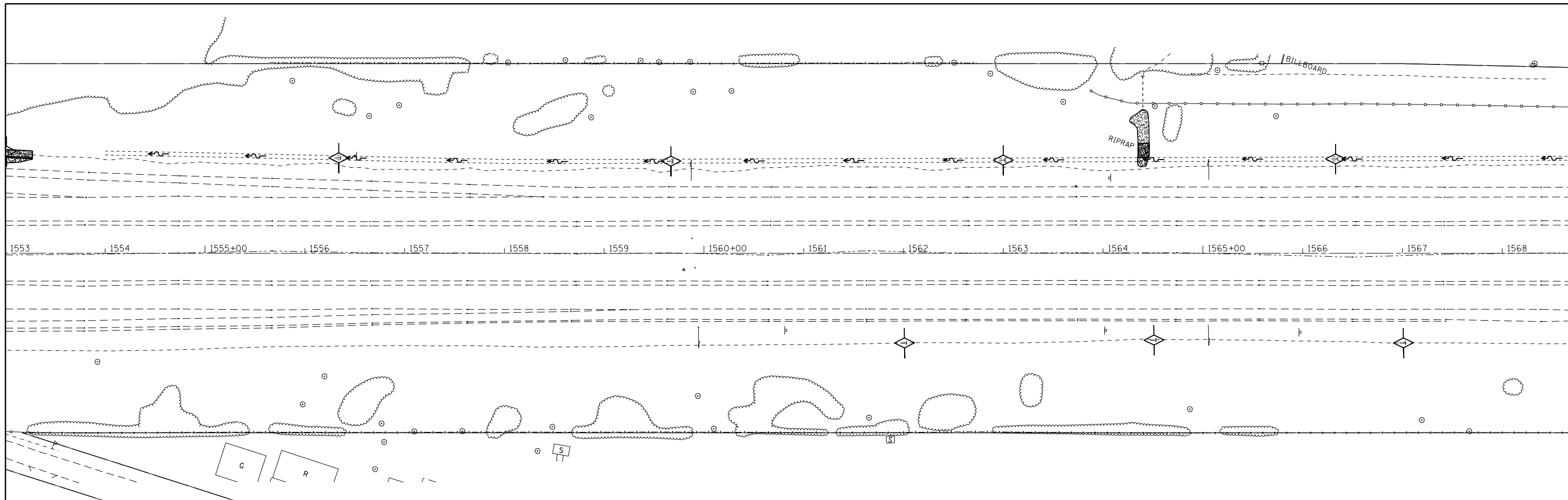
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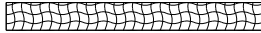



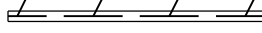
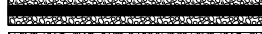

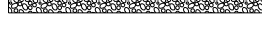
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	156
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	



-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION
-  PAVED DITCH REMOVAL
-  BREAKING PAVED DITCH AND AGGREGATE DITCH
-  REMOVE EXISTING RIPRAP
-  STONE RIPRAP, CLASS A3

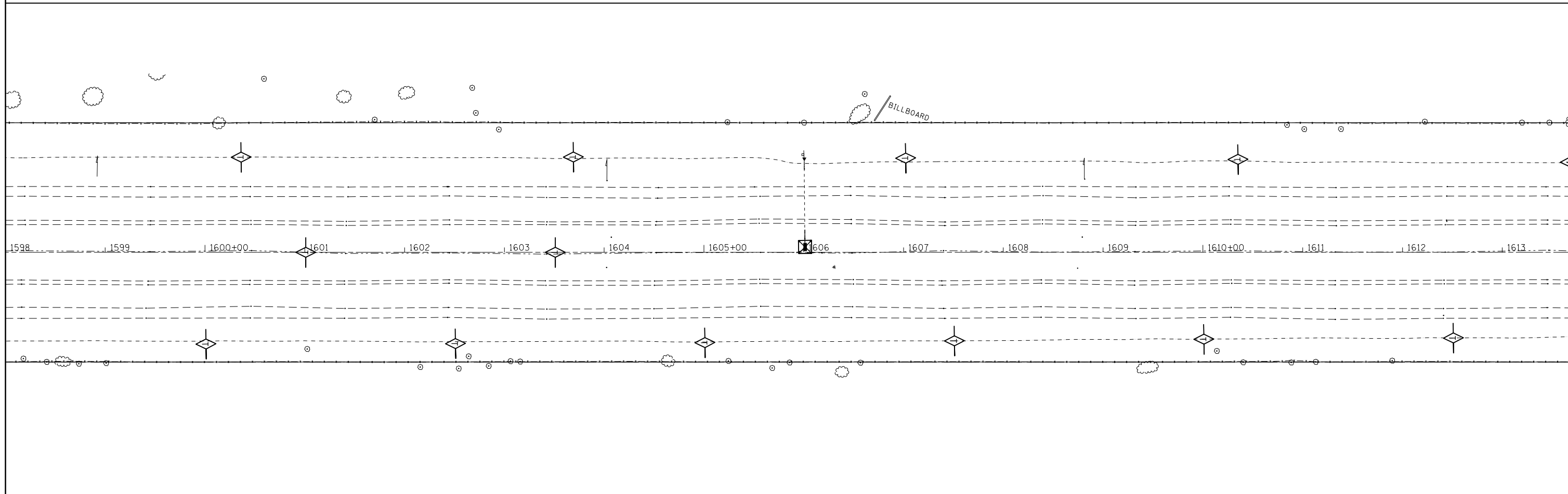
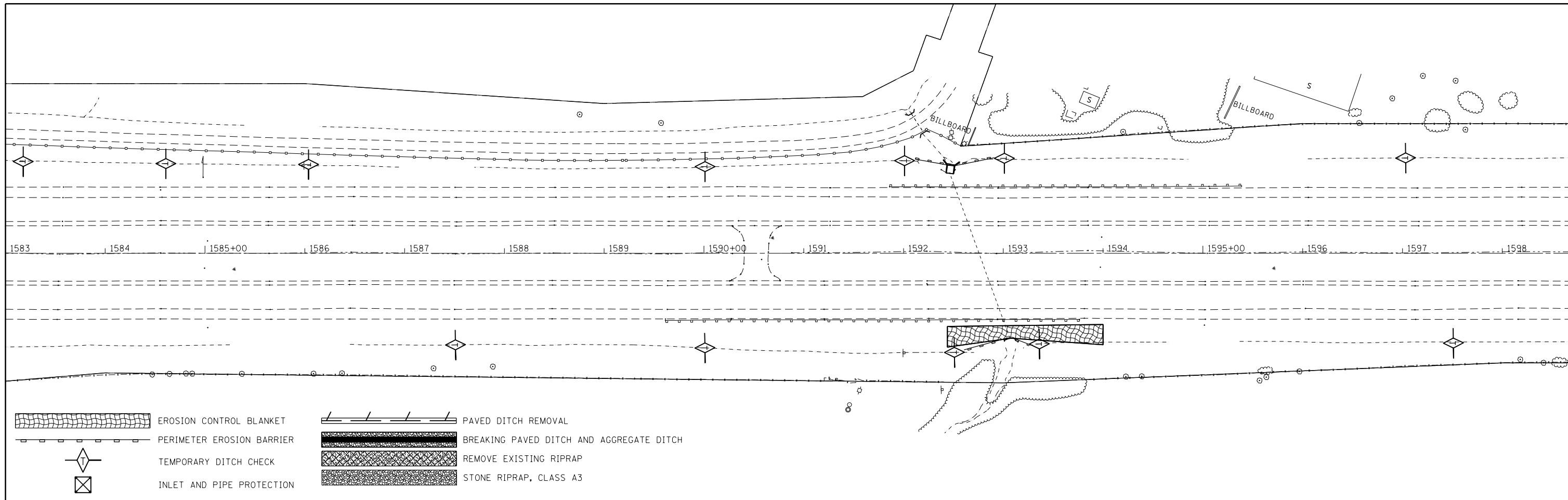
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

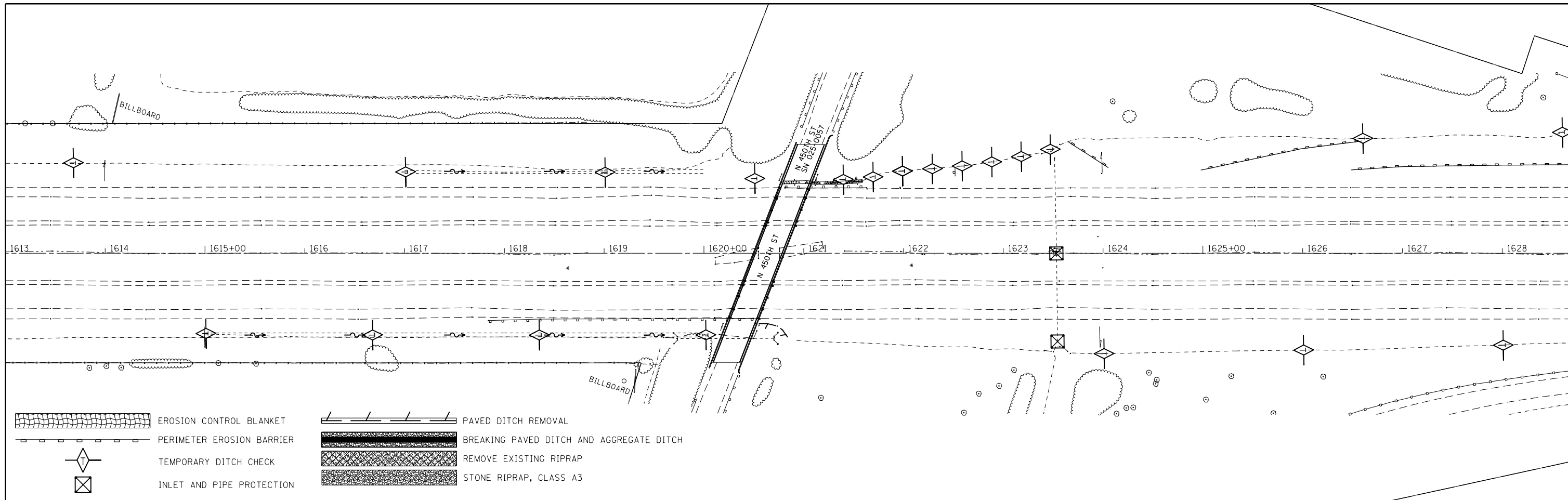
EROSION CONTROL PLAN


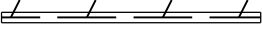
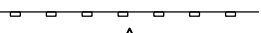





SCALE: SHEET OF SHEETS STA. TO STA.

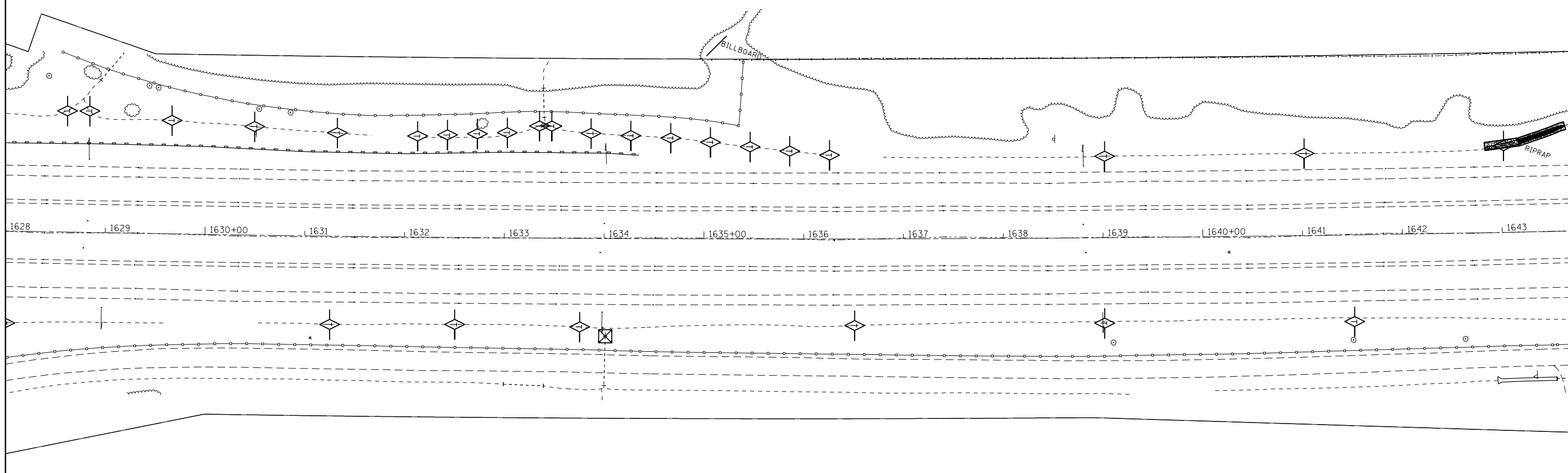
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	157
				CONTRACT NO. 74664
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 74664				
	PLOT DATE = 5/1/2017								ILLINOIS FED. AID PROJECT				



- | | | | |
|---|---------------------------|--|--|
|  | EROSION CONTROL BLANKET |  | PAVED DITCH REMOVAL |
|  | PERIMETER EROSION BARRIER |  | BREAKING PAVED DITCH AND AGGREGATE DITCH |
|  | TEMPORARY DITCH CHECK |  | REMOVE EXISTING RIPRAP |
|  | INLET AND PIPE PROTECTION |  | STONE RIPRAP, CLASS A3 |



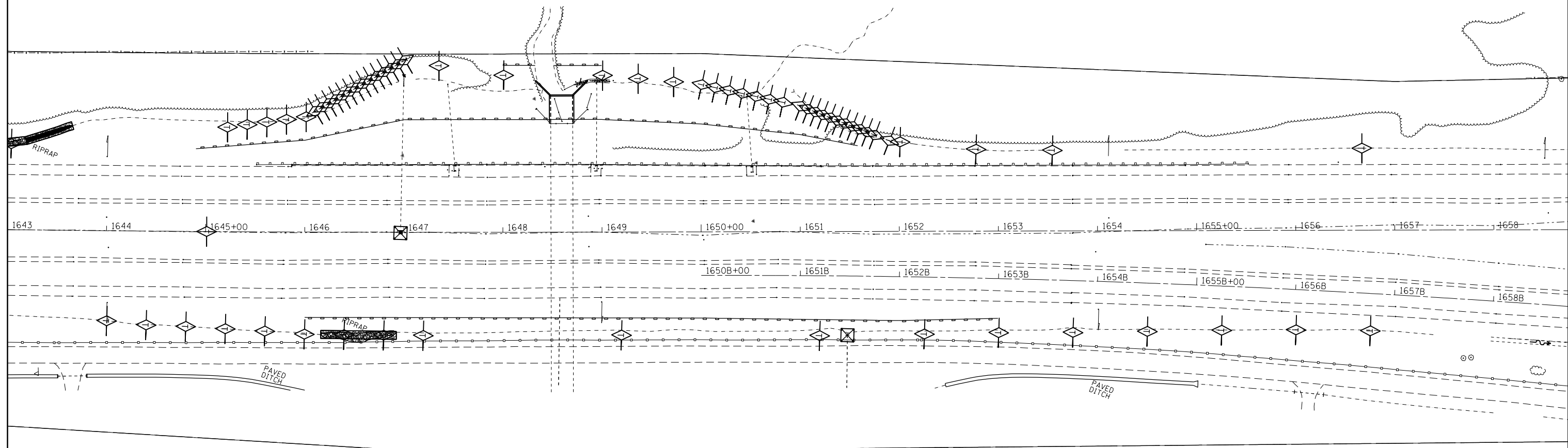
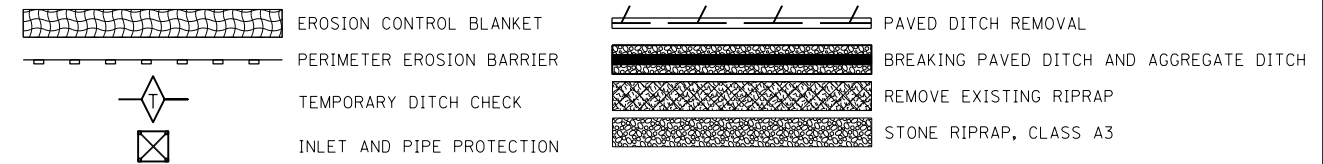
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	159
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74664	


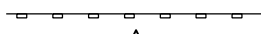


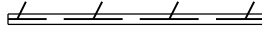





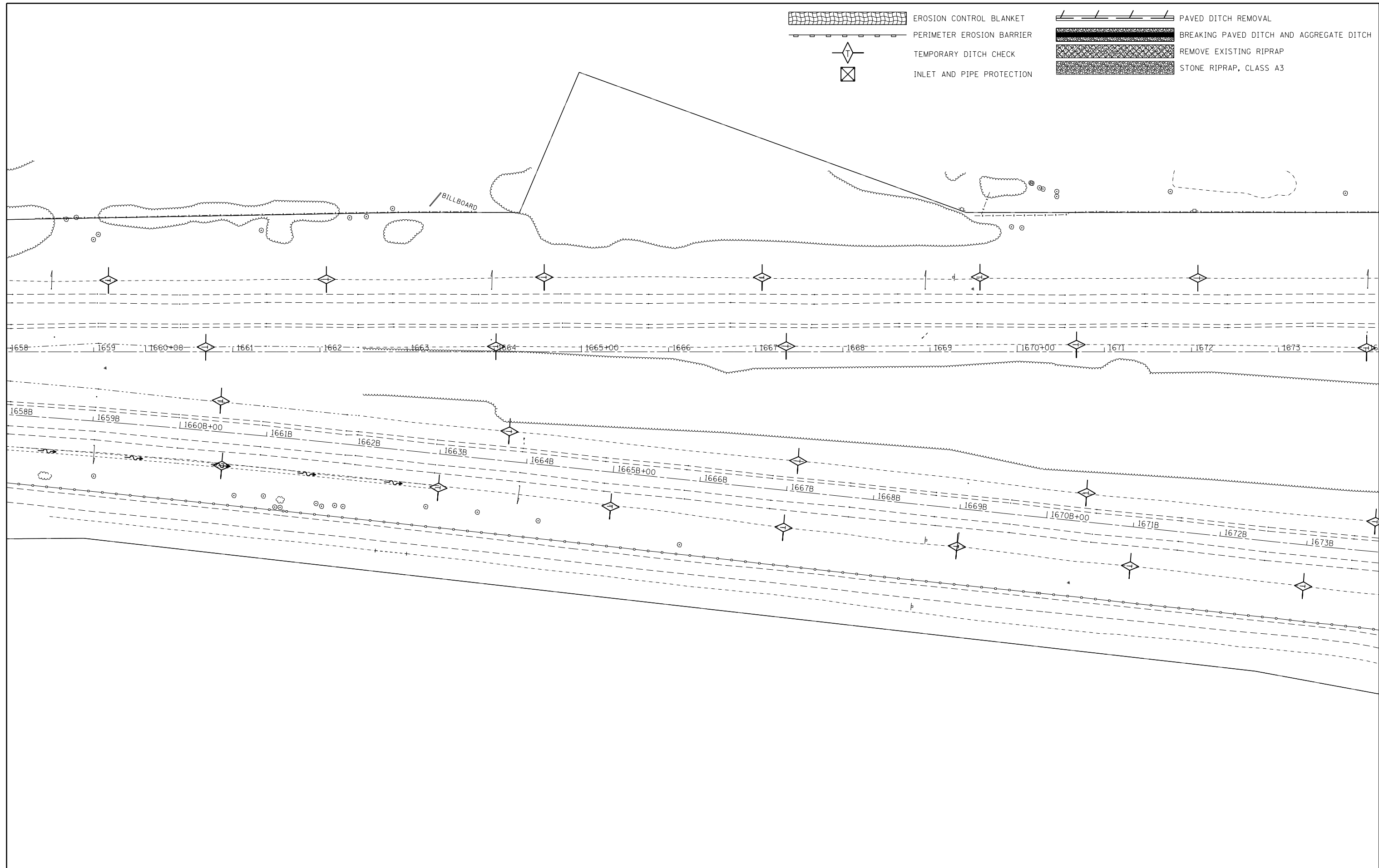
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


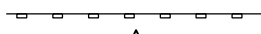


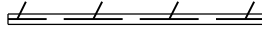



EROSION CONTROL PLAN			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

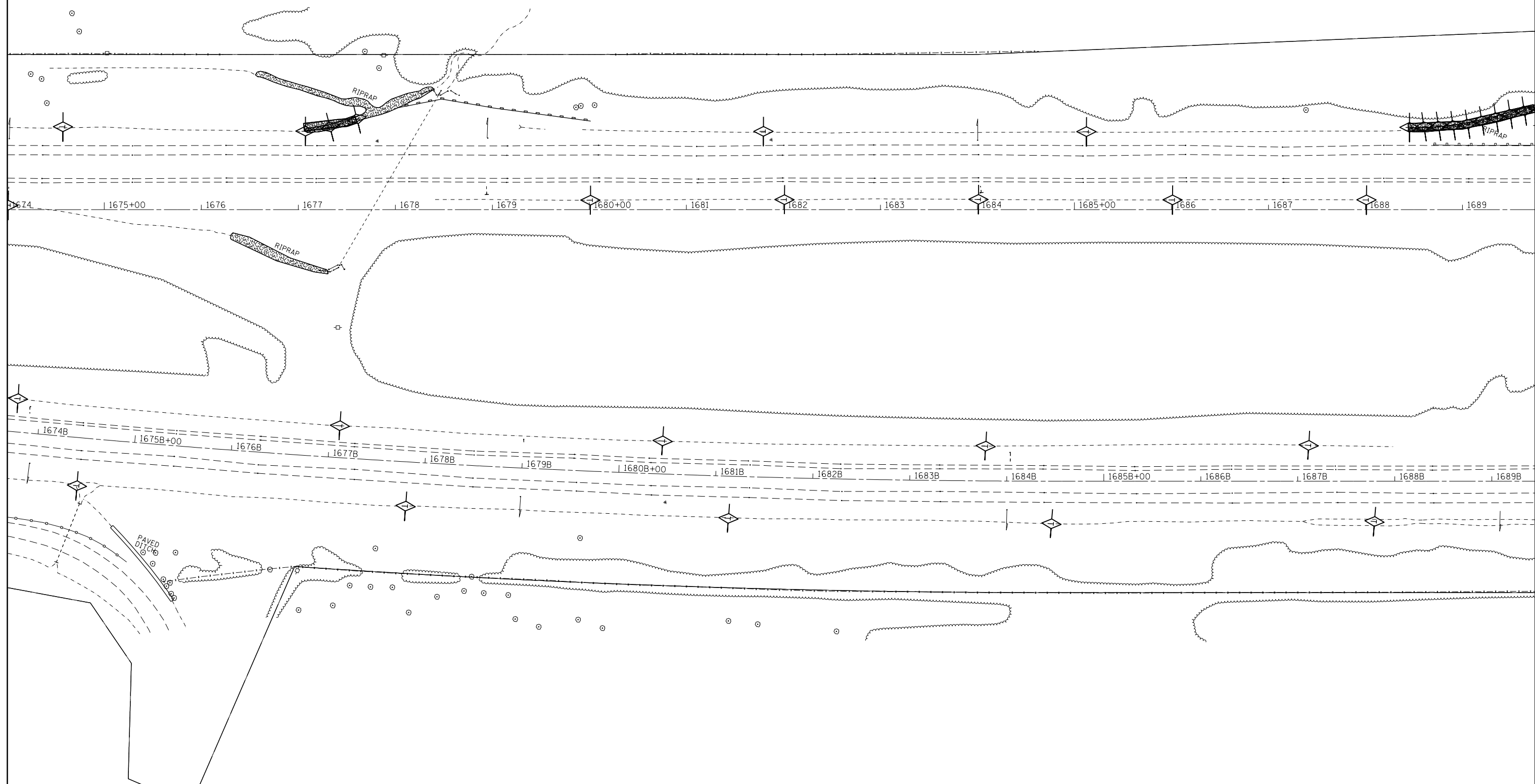
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	160
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	

-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION
-  PAVED DITCH REMOVAL
-  BREAKING PAVED DITCH AND AGGREGATE DITCH
-  REMOVE EXISTING RIPRAP
-  STONE RIPRAP, CLASS A3


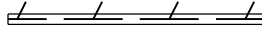
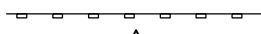







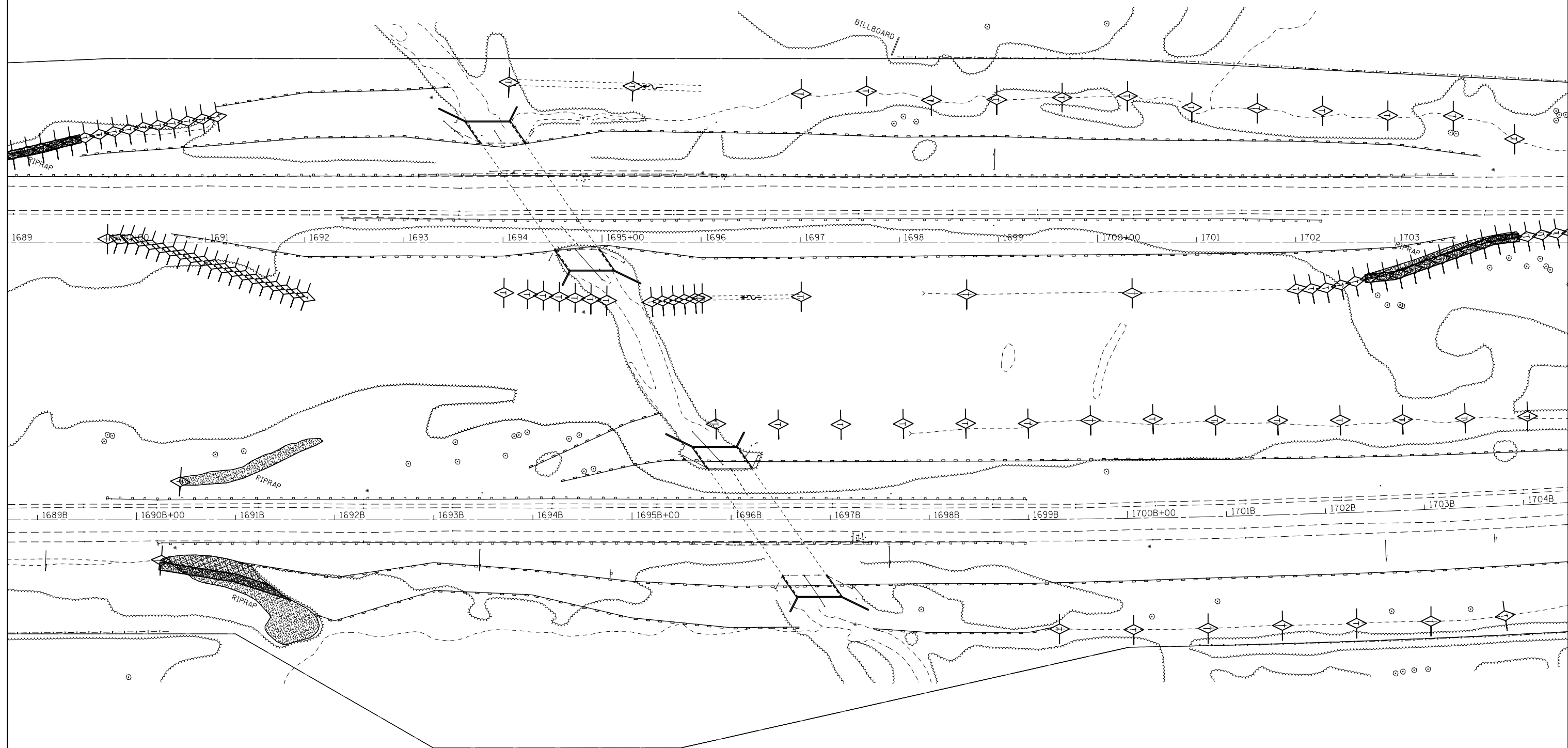
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 74664				
	PLOT DATE = 5/1/2017	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION
-  PAVED DITCH REMOVAL
-  BREAKING PAVED DITCH AND AGGREGATE DITCH
-  REMOVE EXISTING RIPRAP
-  STONE RIPRAP, CLASS A3



FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 74664				
	PLOT DATE = 5/1/2017	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

	EROSION CONTROL BLANKET		PAVED DITCH REMOVAL
	PERIMETER EROSION BARRIER		BREAKING PAVED DITCH AND AGGREGATE DITCH
	TEMPORARY DITCH CHECK		REMOVE EXISTING RIPRAP
	INLET AND PIPE PROTECTION		STONE RIPRAP, CLASS A3



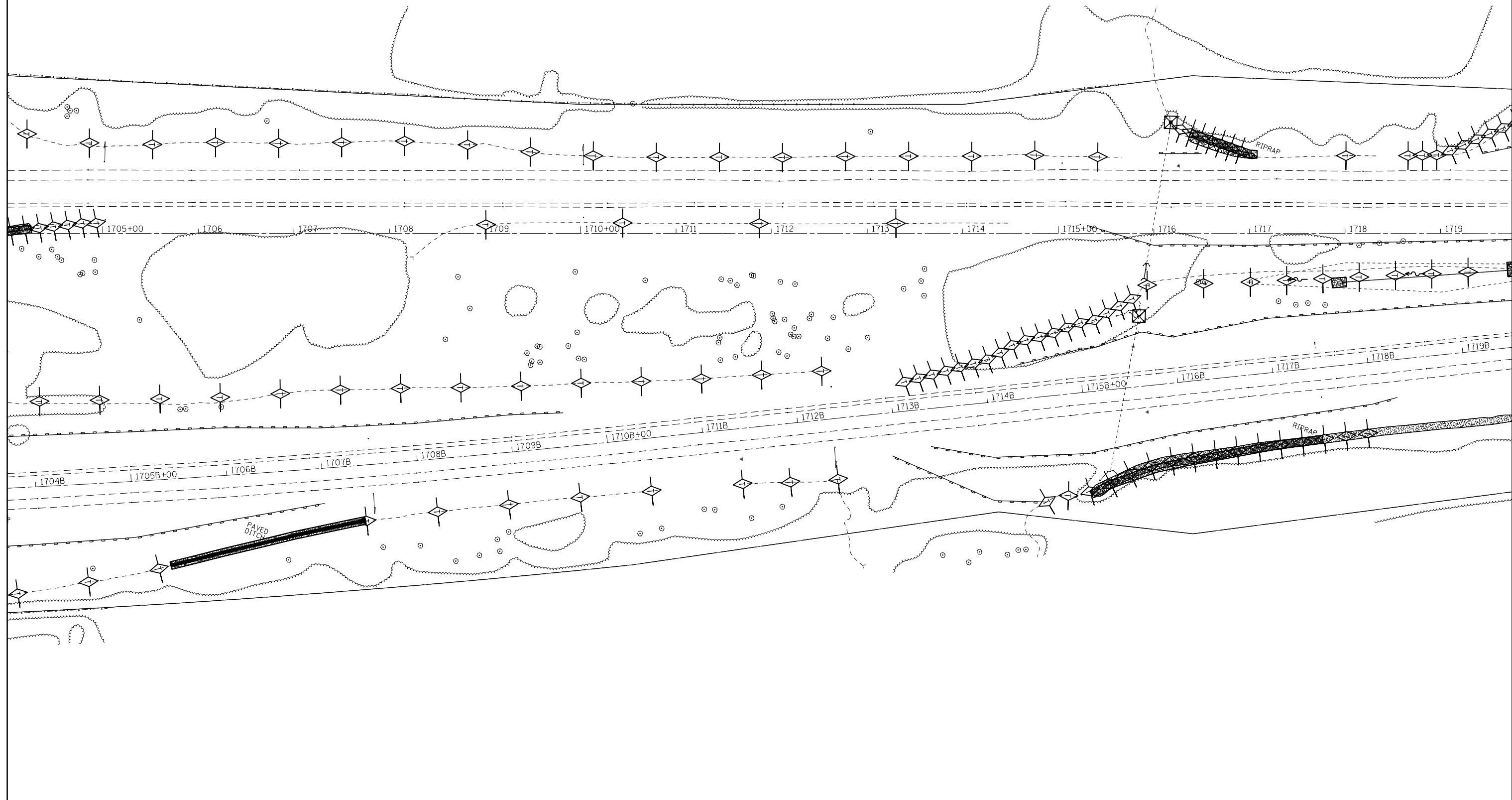
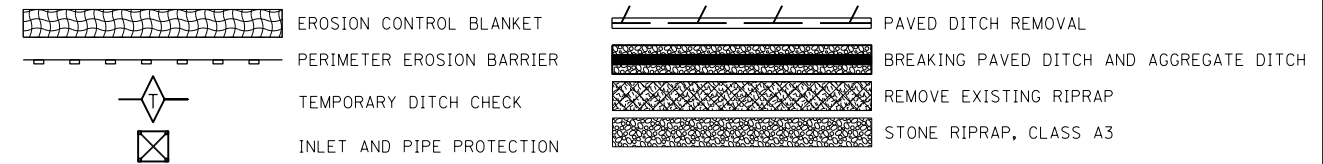
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	PLOT DATE = 5/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	163
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74664	




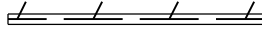
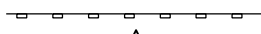





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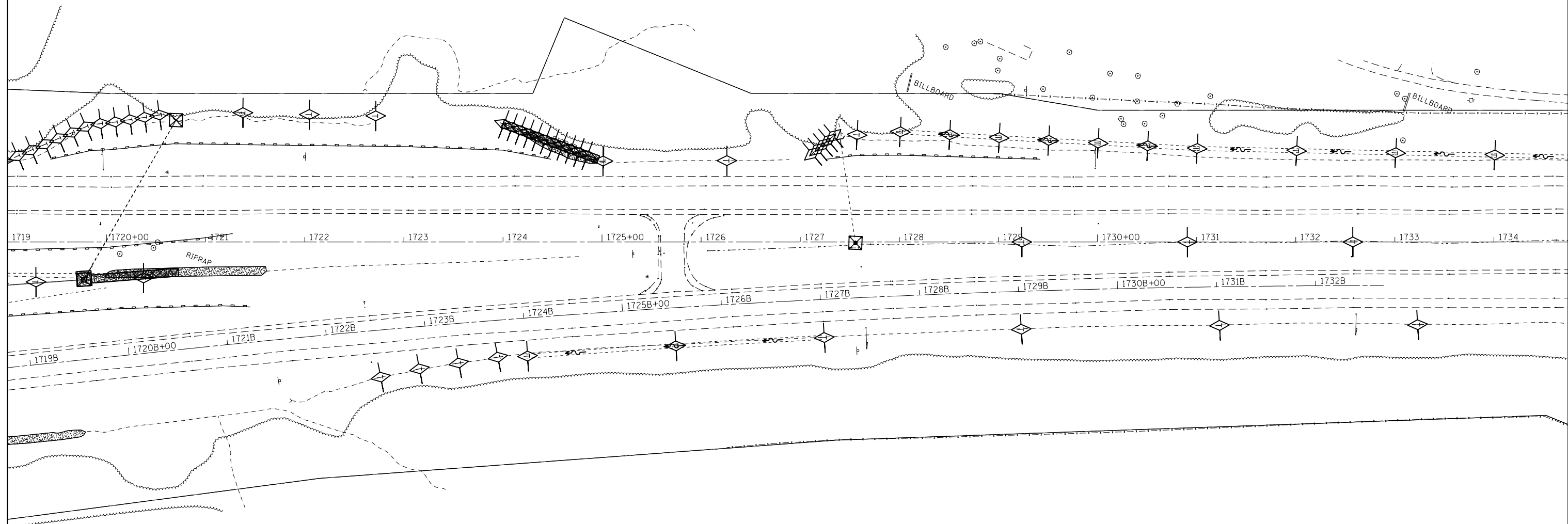
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	164
				CONTRACT NO. 74664
ILLINOIS FED. AID PROJECT				

	EROSION CONTROL BLANKET		PAVED DITCH REMOVAL
	PERIMETER EROSION BARRIER		BREAKING PAVED DITCH AND AGGREGATE DITCH
	TEMPORARY DITCH CHECK		REMOVE EXISTING RIPRAP
	INLET AND PIPE PROTECTION		STONE RIPRAP, CLASS A3



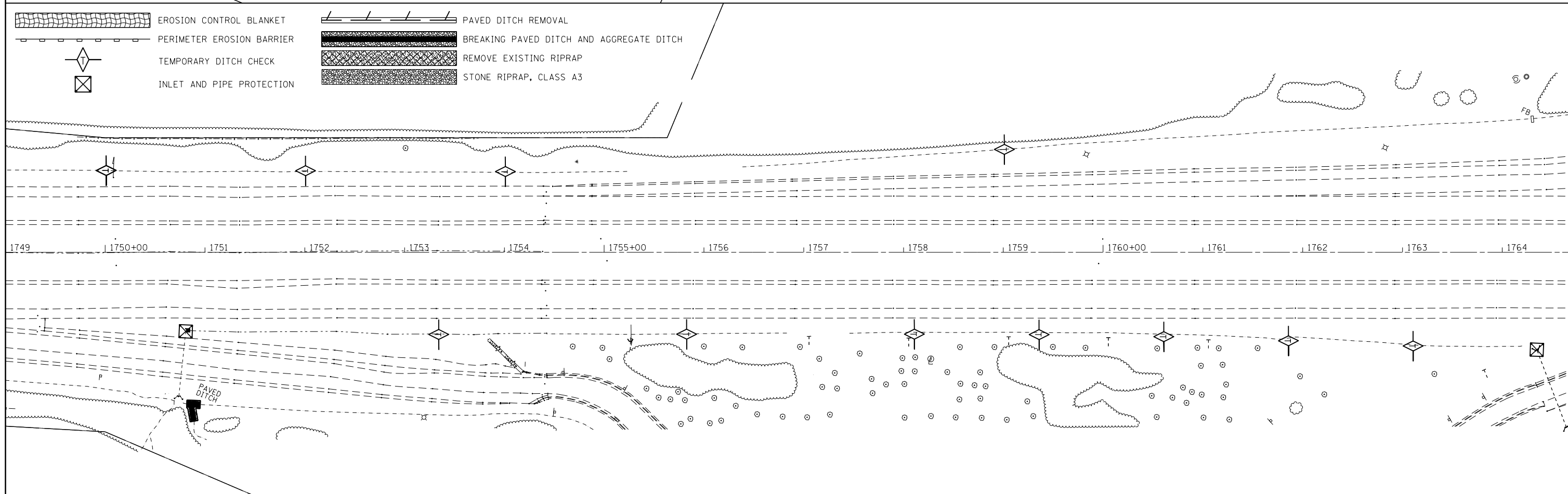
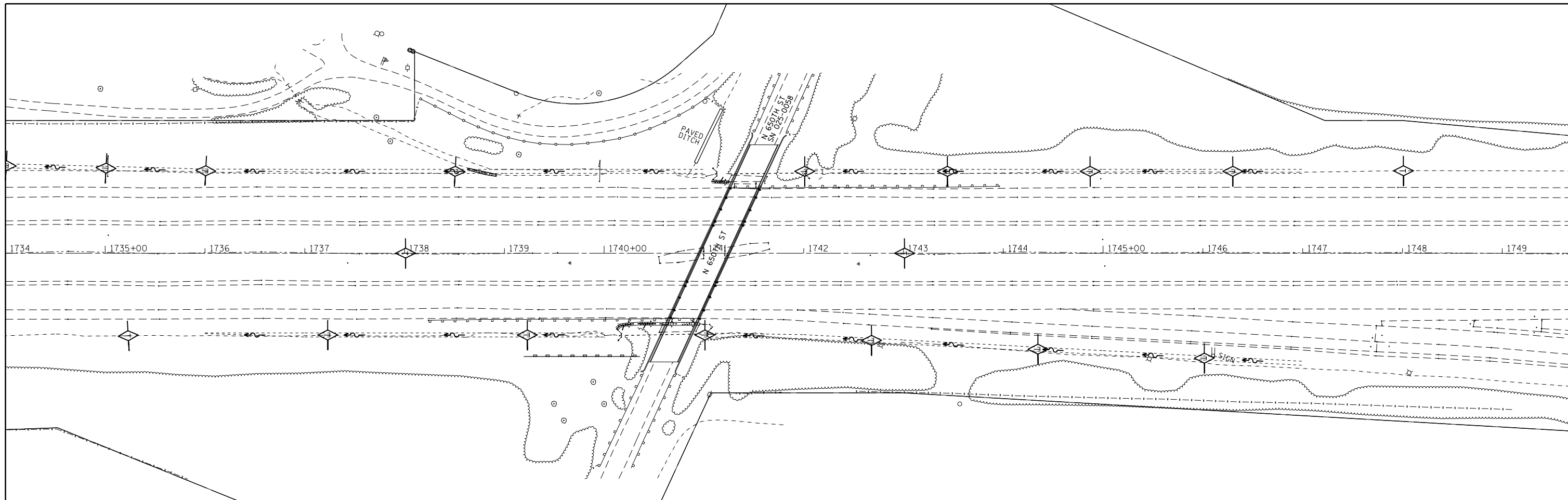
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	PLOT DATE = 5/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	165
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74664	



	EROSION CONTROL BLANKET		PAVED DITCH REMOVAL
	PERIMETER EROSION BARRIER		BREAKING PAVED DITCH AND AGGREGATE DITCH
	TEMPORARY DITCH CHECK		REMOVE EXISTING RIPRAP
	INLET AND PIPE PROTECTION		STONE RIPRAP, CLASS A3


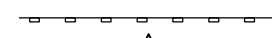


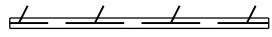



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	PLOT DATE = 5/1/2017	DATE -	REVISED -

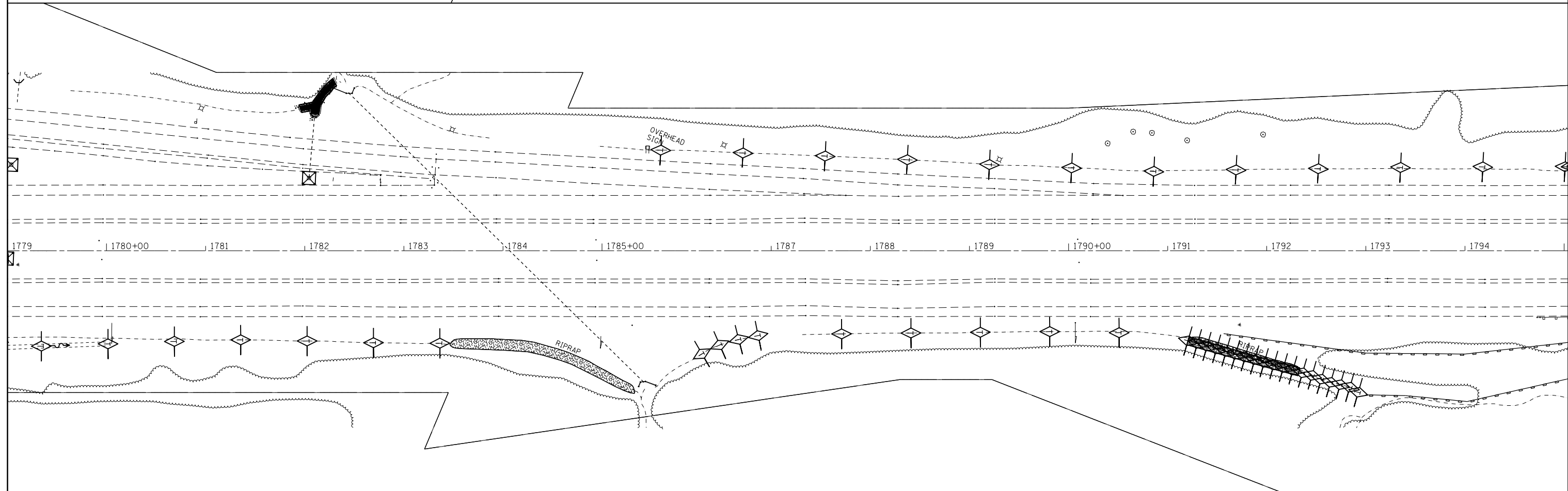
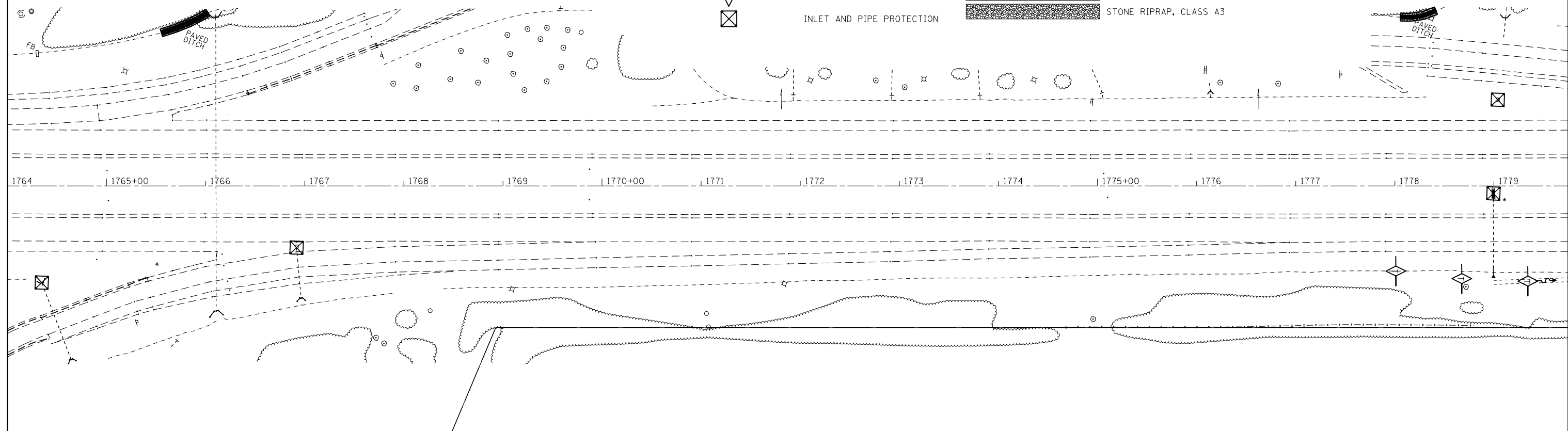
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	166
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	

-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION
-  PAVED DITCH REMOVAL
-  BREAKING PAVED DITCH AND AGGREGATE DITCH
-  REMOVE EXISTING RIPRAP
-  STONE RIPRAP, CLASS A3



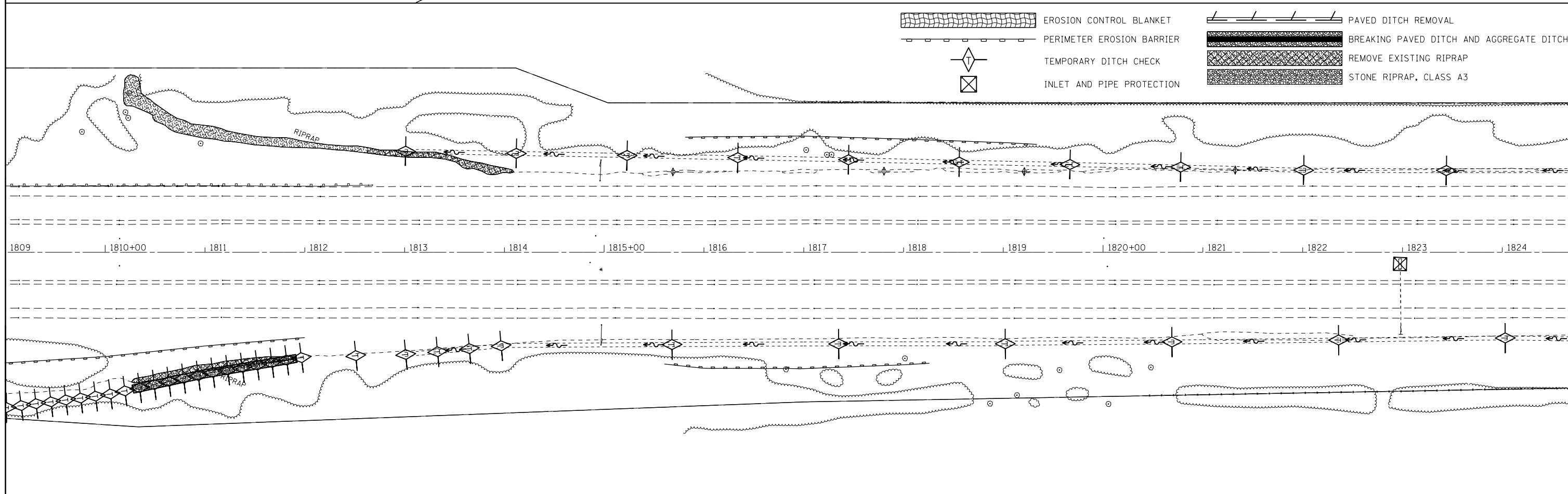
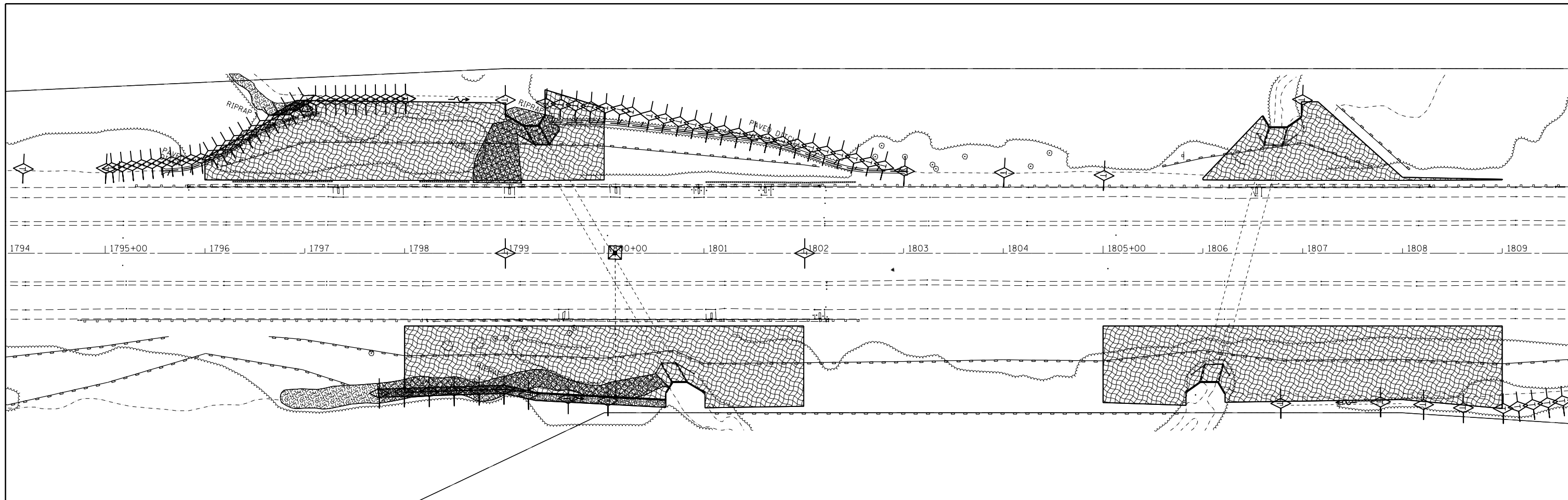
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	PLOT DATE = 5/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	167
				CONTRACT NO. 74664
ILLINOIS FED. AID PROJECT				



- EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- PAVED DITCH REMOVAL
- BREAKING PAVED DITCH AND AGGREGATE DITCH
- REMOVE EXISTING RIPRAP
- STONE RIPRAP, CLASS A3

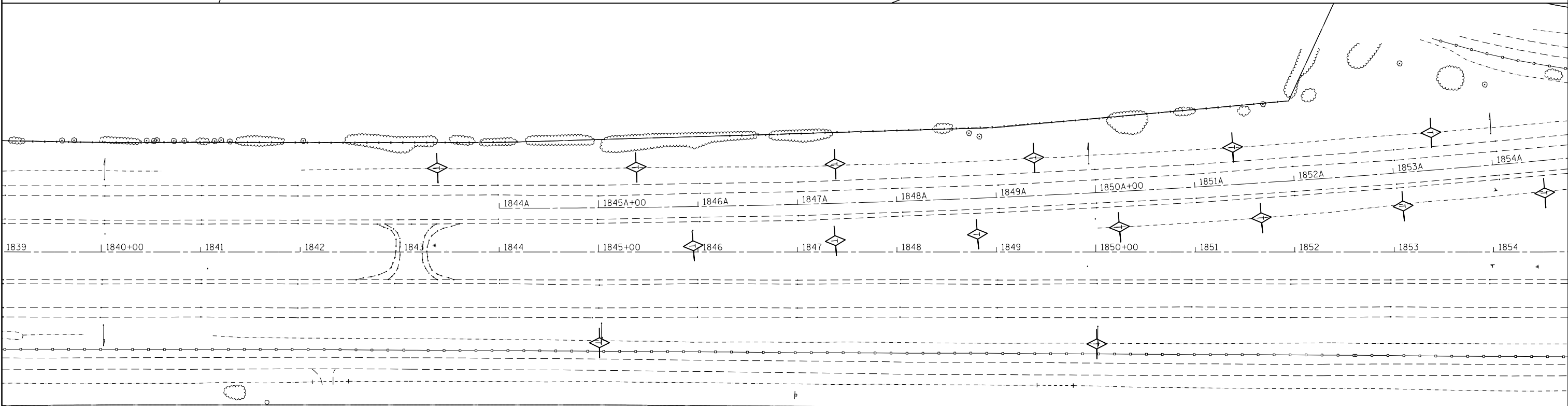
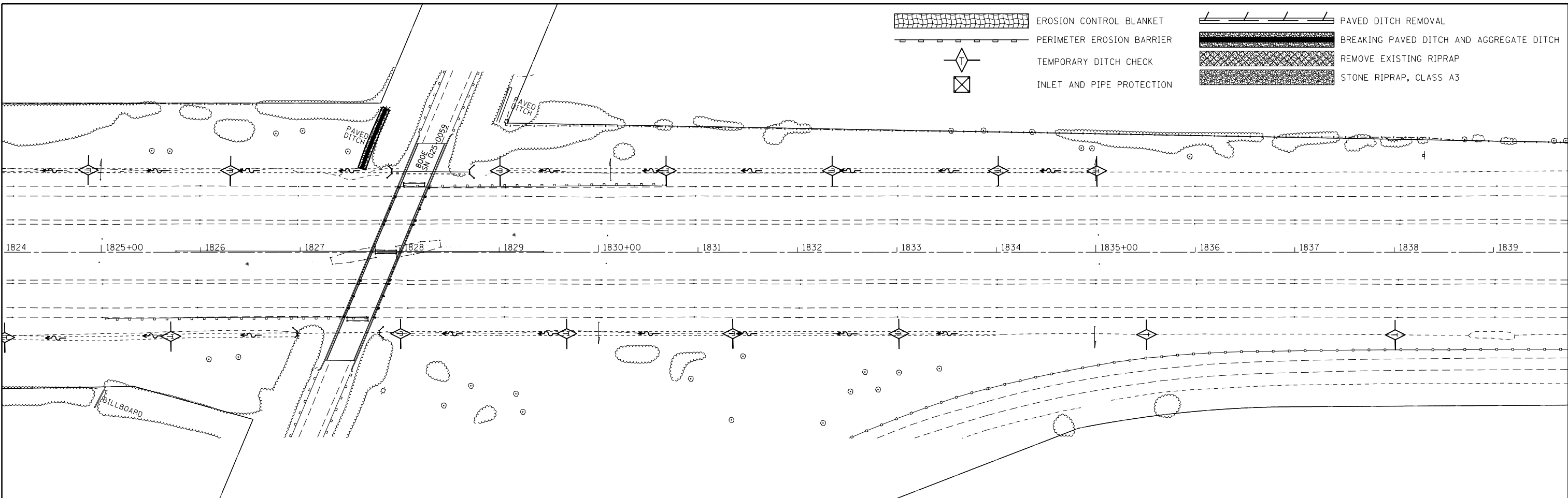
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	PLOT DATE = 5/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	168
CONTRACT NO. 74664				
ILLINOIS FED. AID PROJECT				




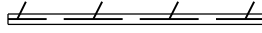
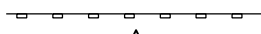





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	PLOT DATE = 5/1/2017	DATE -	REVISED -

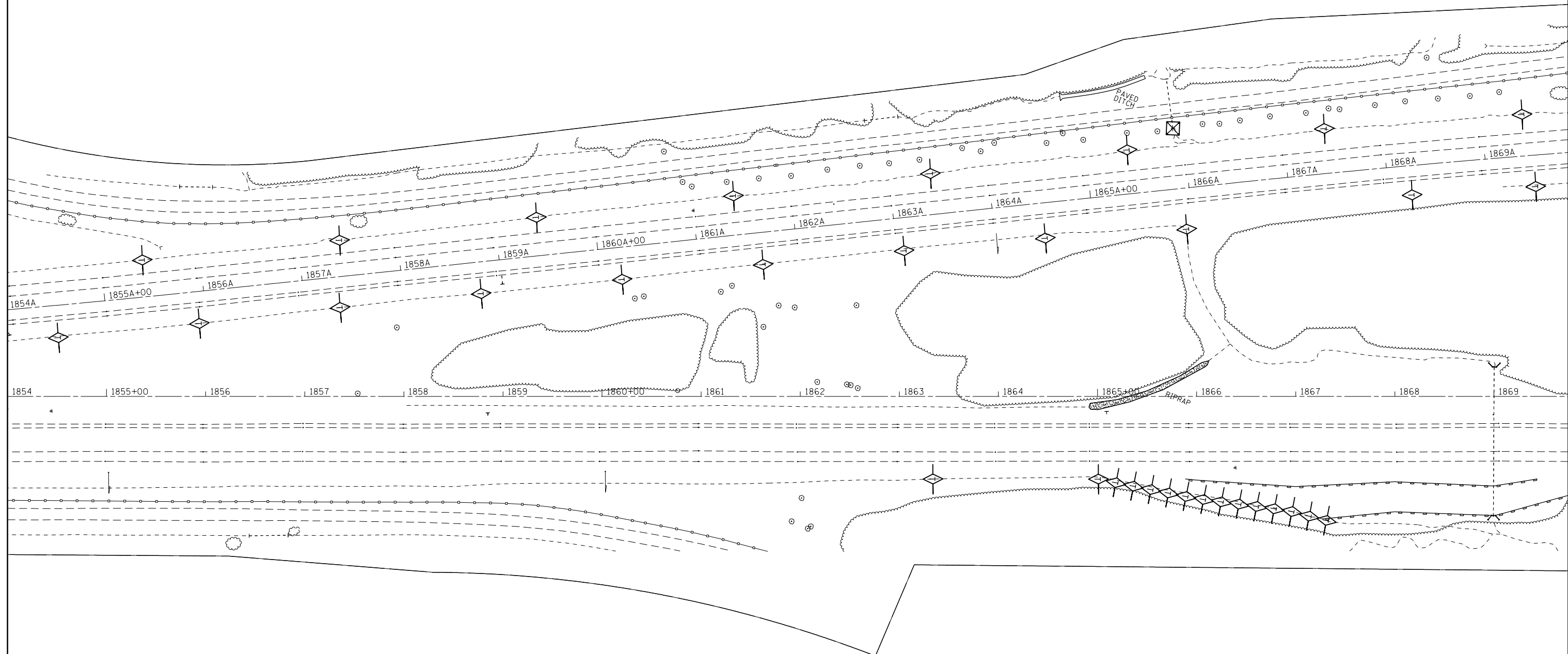
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	169
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74664	

	EROSION CONTROL BLANKET		PAVED DITCH REMOVAL
	PERIMETER EROSION BARRIER		BREAKING PAVED DITCH AND AGGREGATE DITCH
	TEMPORARY DITCH CHECK		REMOVE EXISTING RIPRAP
	INLET AND PIPE PROTECTION		STONE RIPRAP, CLASS A3



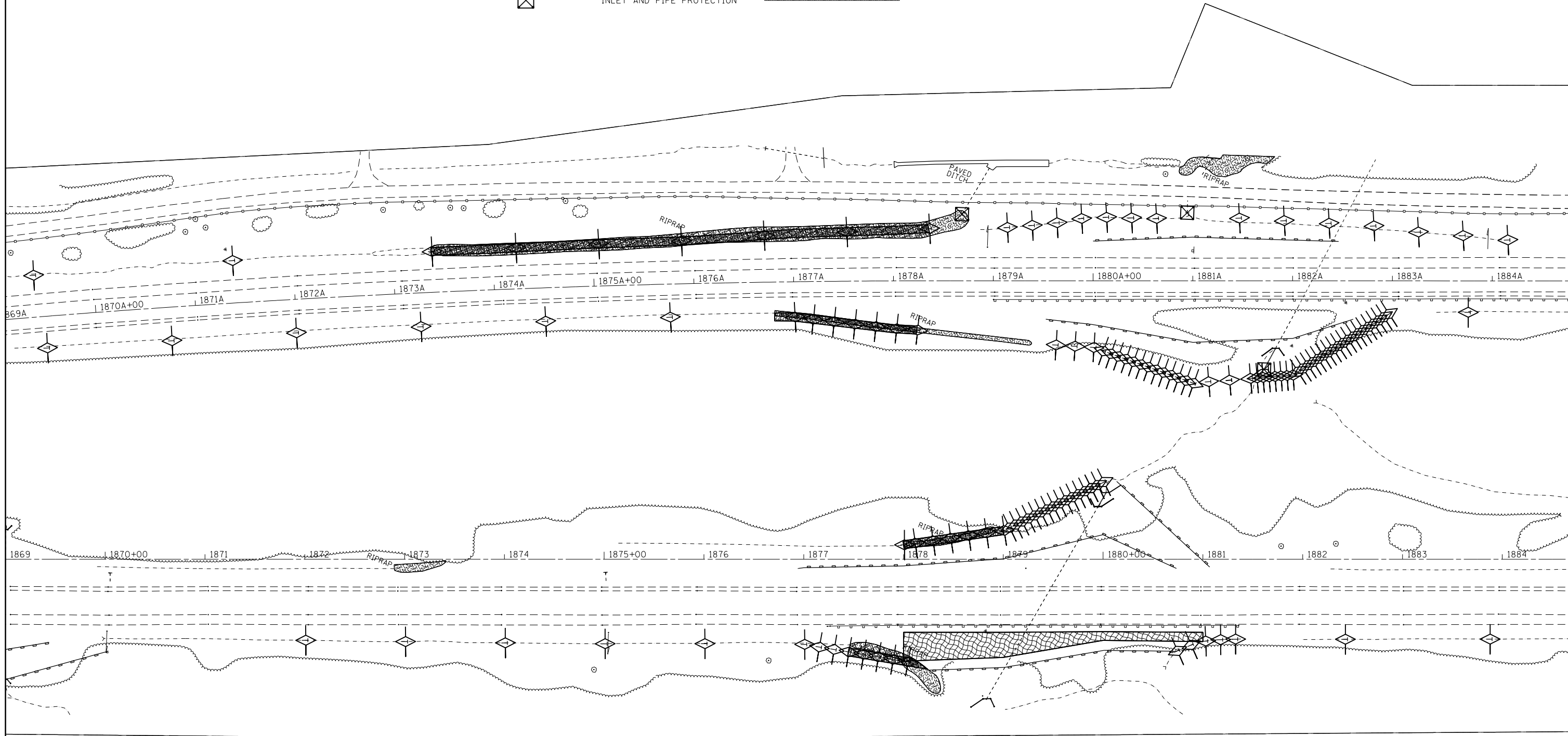
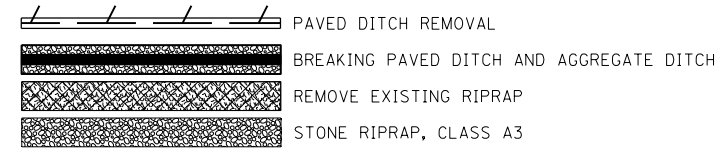
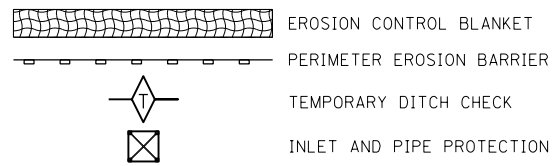
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	170
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74664	




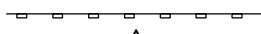


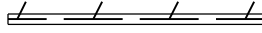



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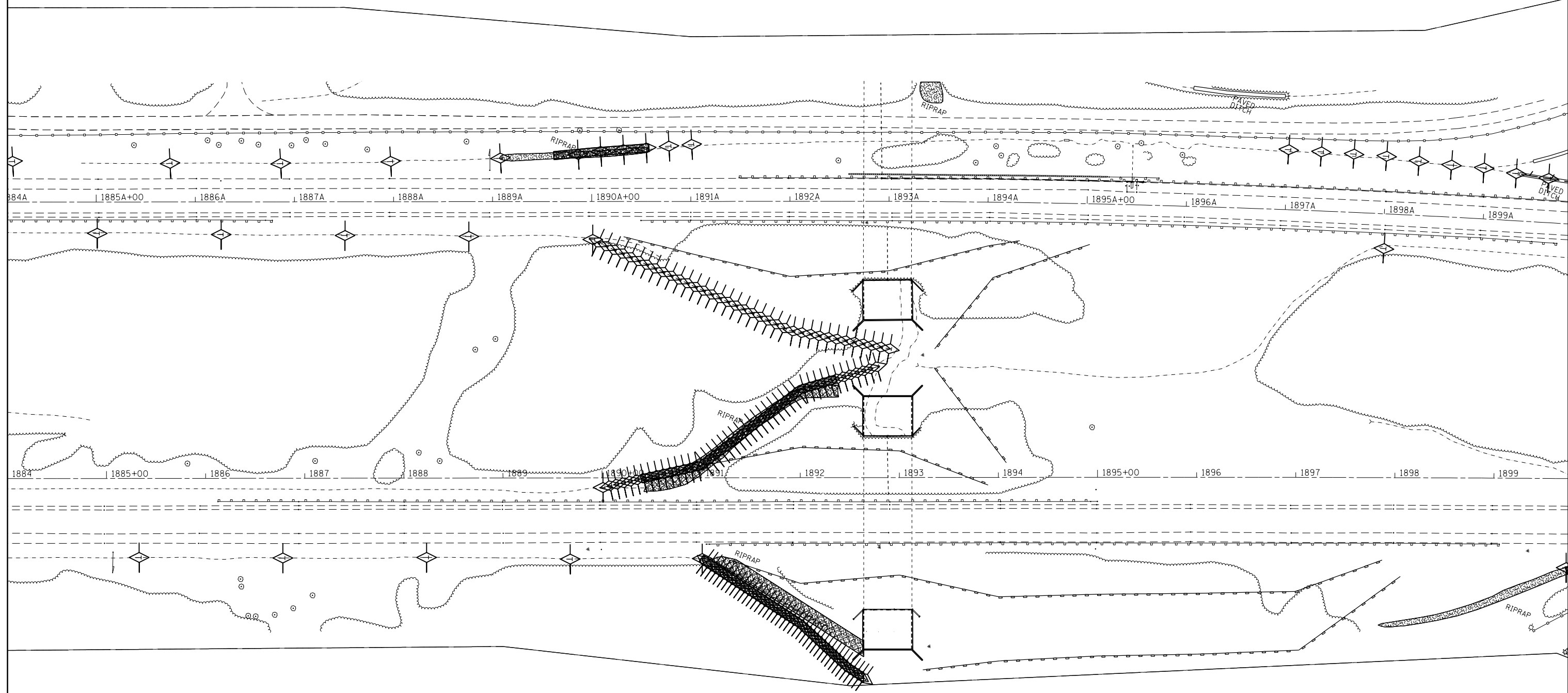
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	171
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74664	

-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION
-  PAVED DITCH REMOVAL
-  BREAKING PAVED DITCH AND AGGREGATE DITCH
-  REMOVE EXISTING RIPRAP
-  STONE RIPRAP, CLASS A3



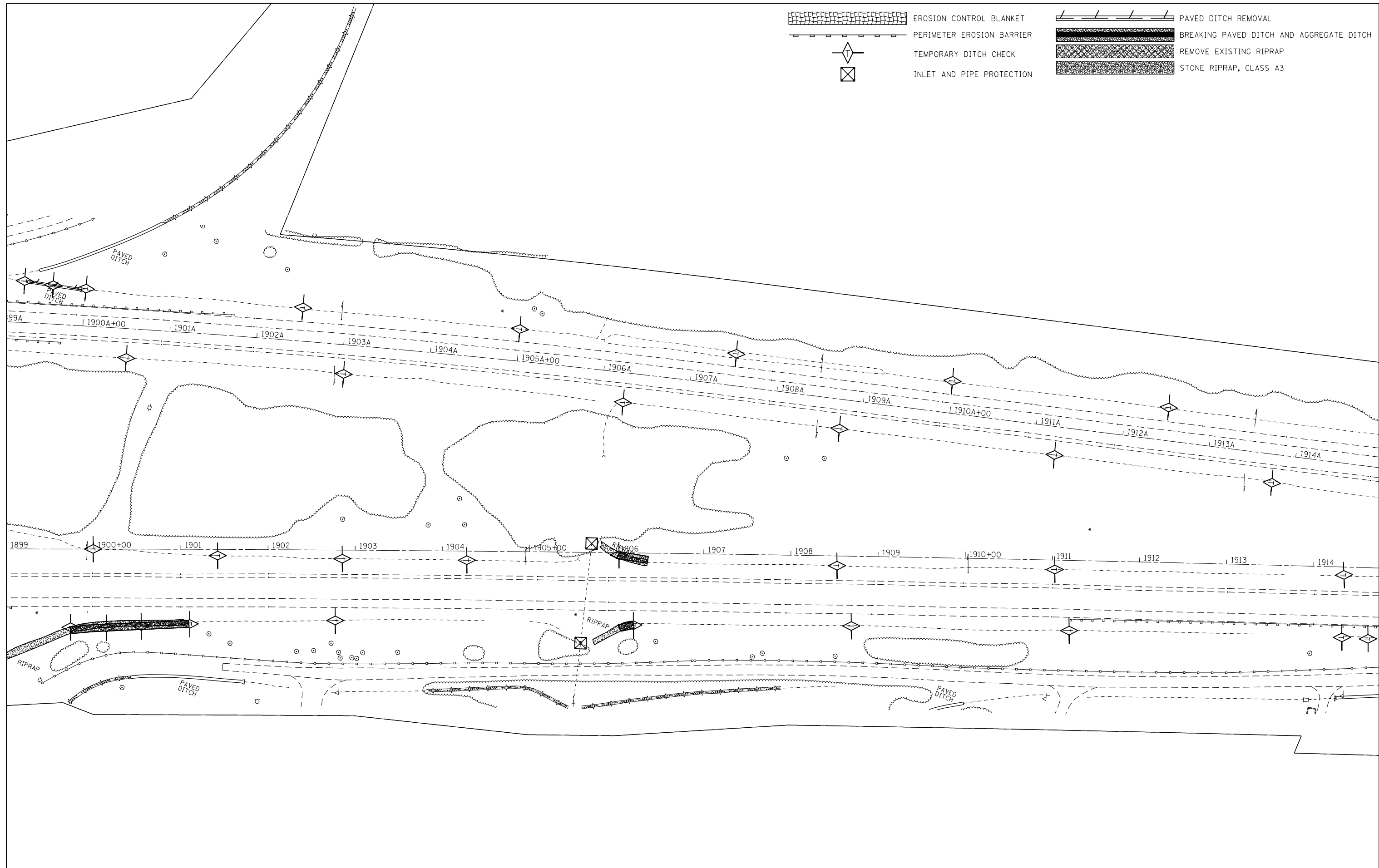
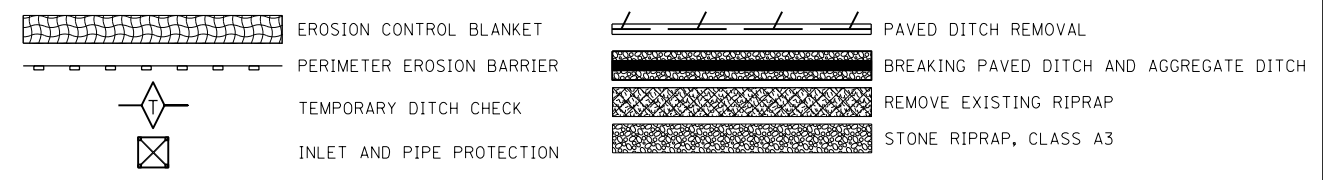
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	PLOT DATE = 5/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

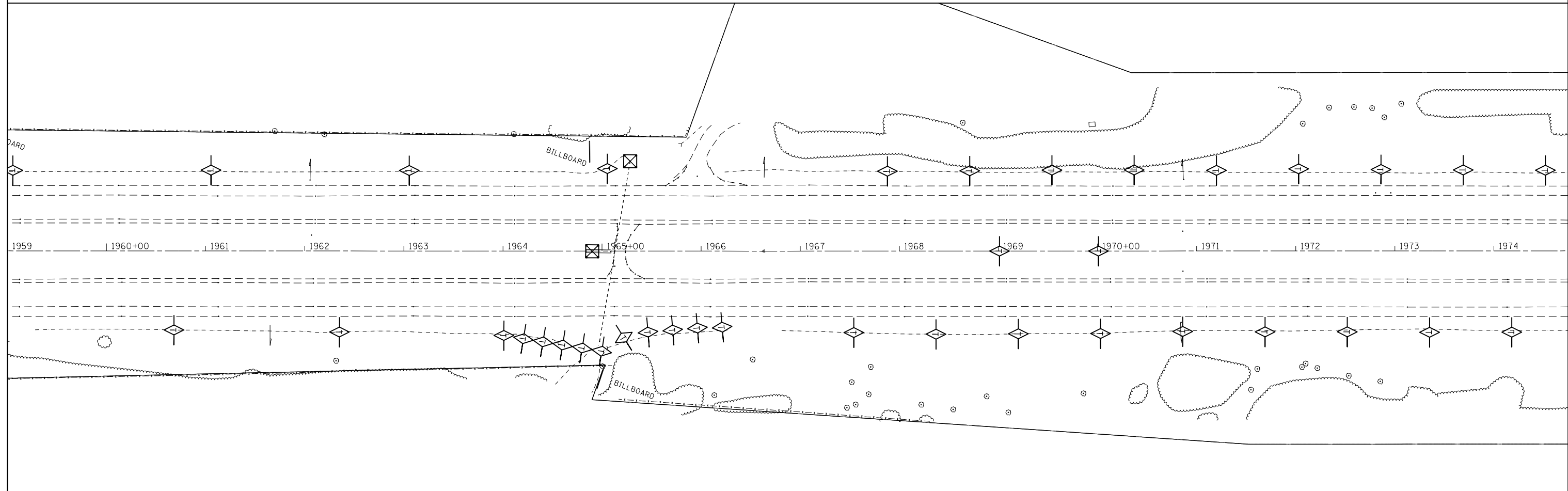
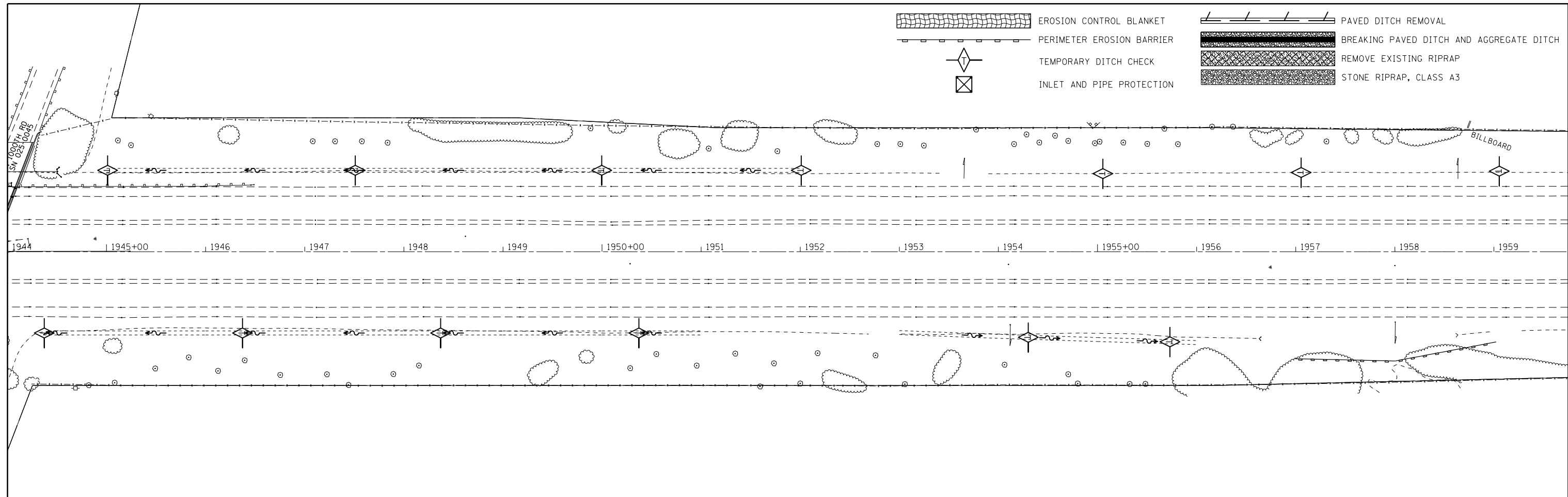
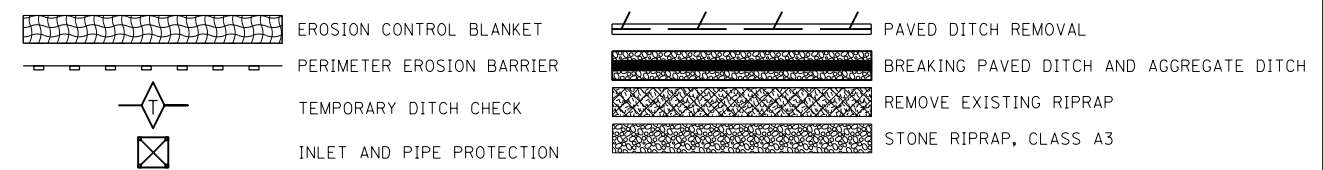
EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	172
CONTRACT NO. 74664				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -		CONTRACT NO. 74664				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 5/1/2017				SCALE:	SHEET OF SHEETS	STA. TO STA.						


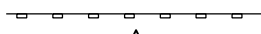


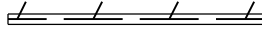





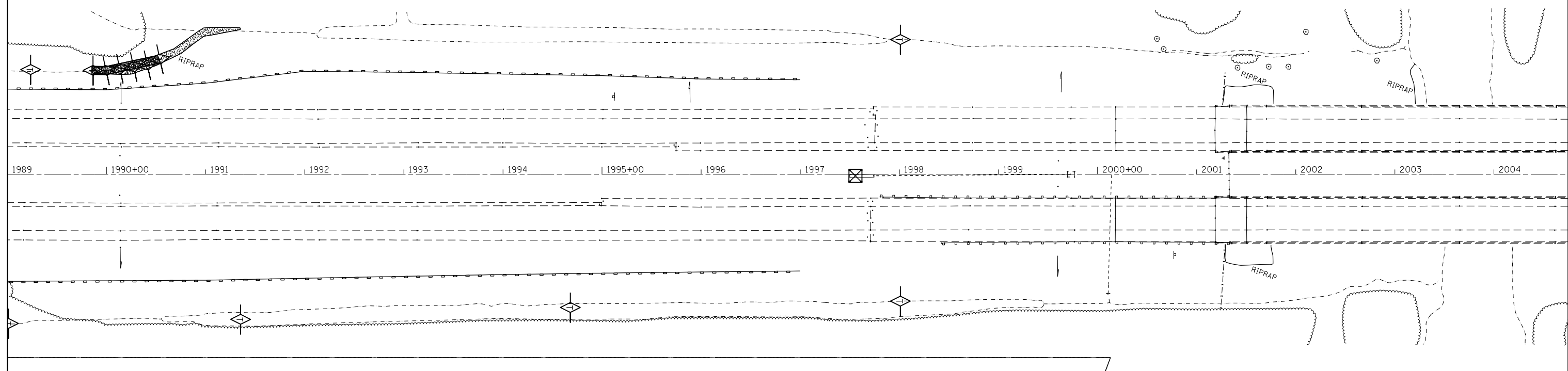
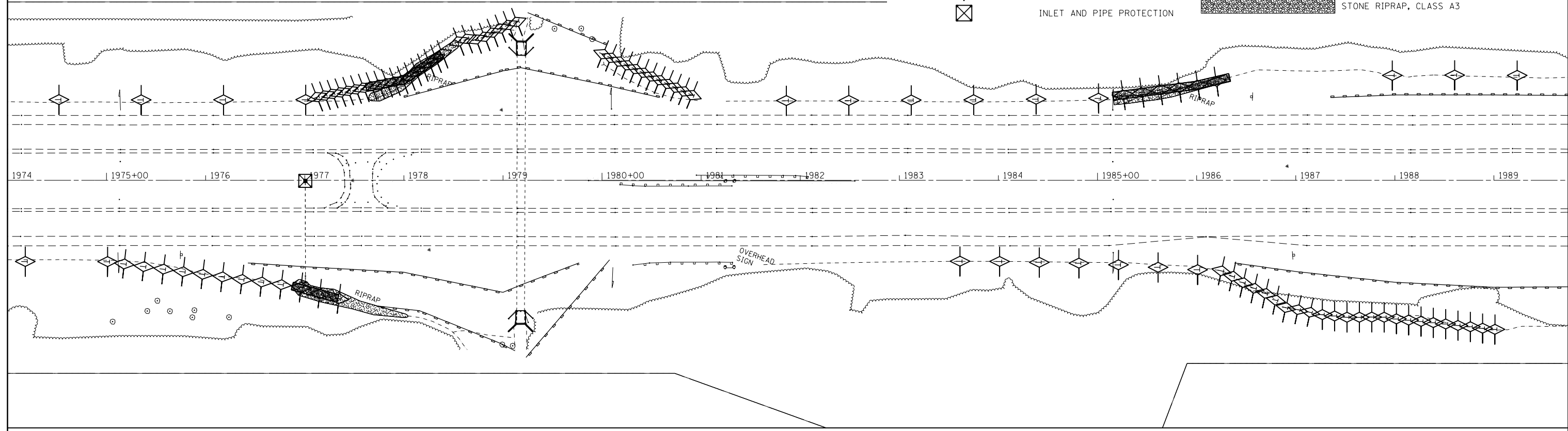
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	175
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	

-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION
-  PAVED DITCH REMOVAL
-  BREAKING PAVED DITCH AND AGGREGATE DITCH
-  REMOVE EXISTING RIPRAP
-  STONE RIPRAP, CLASS A3



FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / 1".	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	176
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74664	

The existing three span continuous steel multi-beam structure was constructed in 1962 as FAJ TO section 25-1VB-1 at Sta. 1525+02.39. SN. 025-0005 carries FAJ TO Eastbound over an abandoned railroad. SN. 025-0006 carries FAJ TO Westbound over an abandoned railroad. The proposed project consists of new expansion joints, new concrete overlay, bridge deck repair, new elastomeric bearings, new concrete approaches, and structural repair of concrete.



GENERAL NOTES

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 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 operations shall be replaced using an approved bar splicer or anchorage system. Cost included in CONCRETE REMOVAL.

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

Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on as-built plans.

Removal and reinstallation of guardrail sections will be necessary for construction of the expansion joints. All existing embedded anchors that are within the concrete removal area shall be cleaned and incorporated in the new construction or new approved alternatives shall be supplied and installed. This work and all materials shall be included in the contract unit price for CONCRETE SUPERSTRUCTURE.

Prior to pouring the new concrete deck, all heavy and loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered point may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

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

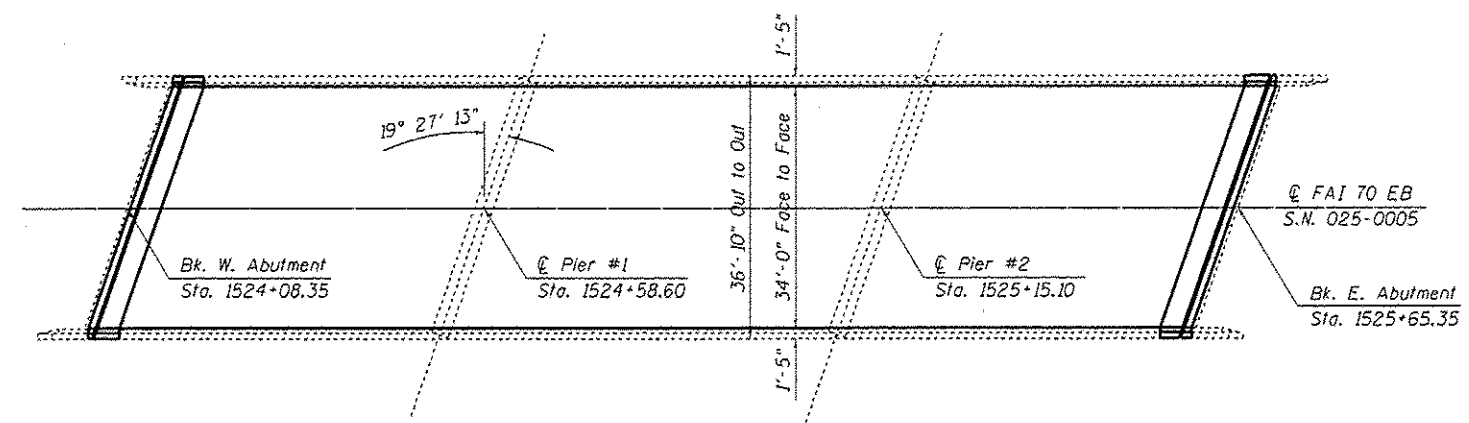
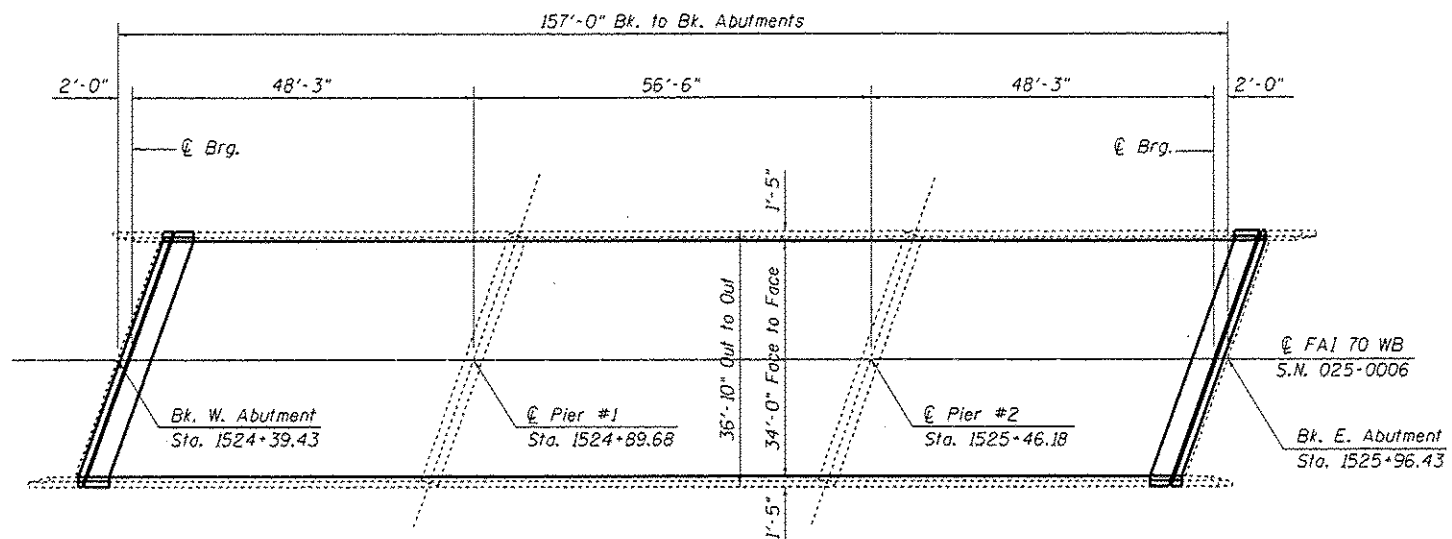
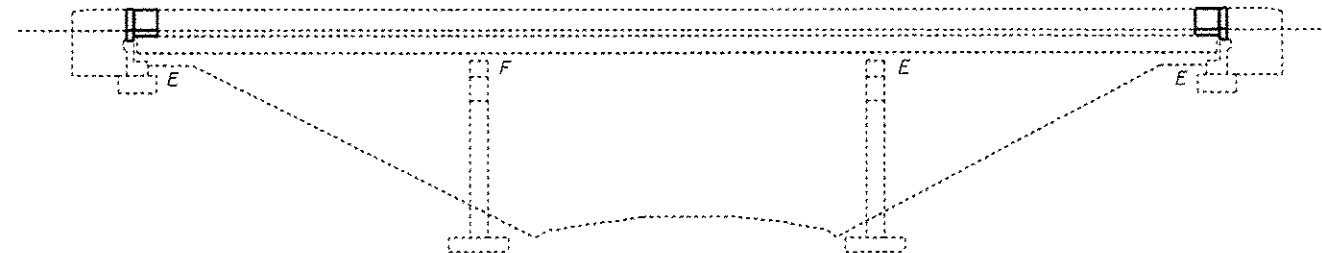
The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with CONCRETE SUPERSTRUCTURES.

BRIDGE DECK GROOVING (LONGITUDINAL) shall be completed only after DIAMOND GRINDING (BRIDGE SECTION) is complete.

Protective Coat shall be applied to areas of CONCRETE SUPERSTRUCTURES consisting of the front face and top of the parapet and wingwall and the top surface of the expansion joint blockouts.

Synthetic fibers should be added to the Bridge Deck Fly Ash or GGBF Slag Overlay, 2 1/4". See Special Provisions.

Pinning temporary concrete barrier shall not be permitted on bridge decks. Barriers to be pinned on approach pavements.



David Carl Puzey 5/18/17
Expires 11/30/18

FILE NAME =	USER NAME = e5offennk	DESIGNED - KLB	REVISED - D. Macklin	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION AND GENERAL NOTES SN. 025-0005 (EB) & SN. 025-0006 (WB)	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PROJECT =	PROJECT =	CHECKED - MEA	REVISED - --			TO	25-1.2JR	EFFINGHAM	496	177	
PLOT SCALE = 40.0000' / 1" =	DATE = 12/24/2013	REVISOR =	DATE = 12/13/16			ILLINOIS FED. AID PROJECT					
PLOT DATE = 3/23/2017						SCALE:	SHEET 1	OF 16	SHEETS	STA.	TO STA.

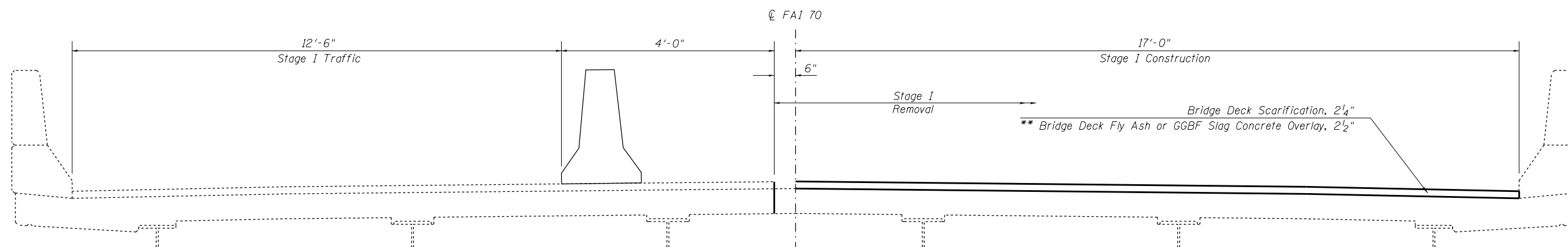
TOTAL BILL OF MATERIALS

SN. 025-0005 (EB)

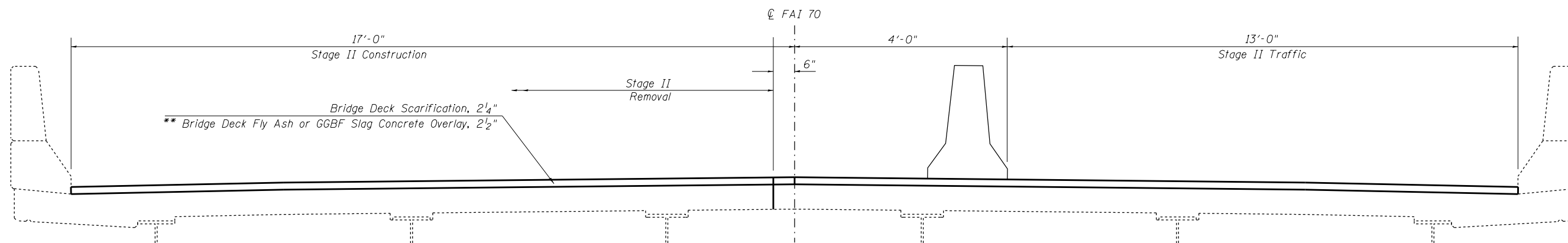
ITEM	UNIT	QUANTITY
Concrete Removal	Cu Yd	12.8
Concrete Superstructure	Cu Yd	13.0
Reinforcement Bars, Epoxy Coated	Pound	38,820
Bar Splicers	Each	306
Preformed Joint Strip Seal	Foot	77.0
Bridge Deck Scarification, 2 1/4"	Sq Yd	558
Bridge Deck Fly Ash or GGBF Slag Concrete Overlay, 2 1/2"	Sq Yd	558
Bridge Deck Grooving (Longitudinal)	Sq Yd	576
* Protective Coat	Sq Yd	43
Structural Repair of Concrete (Depth <5")	Sq Ft	21.8
Deck Slab Repair (Full Depth, Type I)	Sq Yd	1
Deck Slab Repair (Full Depth, Type II)	Sq Yd	7
Elastomeric Bearing Assembly, Type I	Each	6
Elastomeric Bearing Assembly, Type II	Each	6
Jack and Remove Existing Bearings	Each	12
Furnishing and Erecting Structural Steel	Pound	1675
Anchor Bolts, 1"Ø	Each	24
Diamond Grinding (Bridge Section)	Sq Yd	720
Concrete Superstructure (Approach Slab)	Cu Yd	88
Concrete Structures	Cu Yd	24

* New concrete areas adjacent to joint only.

** Overlay Thickness Prior to 1/4" Diamond Grinding



STAGE I - EASTBOUND LOOKING EAST



STAGE II - EASTBOUND LOOKING EAST

FILE NAME =	USER NAME = steffenk	DESIGNED - KLB	REVISED - D. Macklin
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Default	PLOT SCALE = 48.0000' / in.	CHECKED - MEA	REVISED -
	PLOT DATE = 3/23/2017	DATE - 12/24/2013	REVISED - 12/14/2016

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BILL OF MATERIALS & STAGE CONSTRUCTION
SN. 025-0005 (EB)**

SCALE: SHEET 2 OF 16 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	178
CONTRACT NO. 74664				
ILLINOIS FED. AID PROJECT				

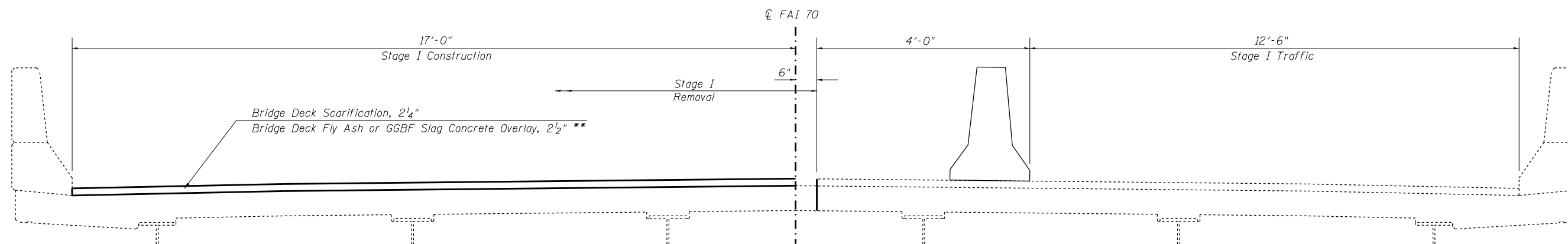
TOTAL BILL OF MATERIALS

SN. 025-0006 (WB)

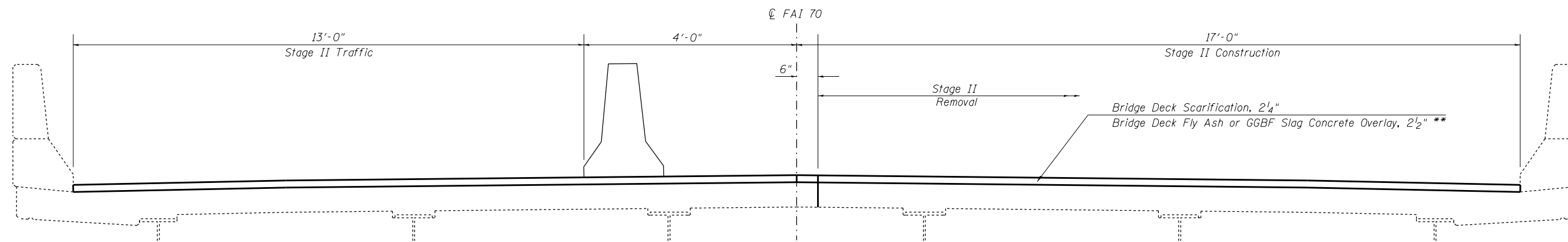
ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	12.8
Concrete Superstructure	Cu. Yd.	13.0
Reinforcement Bars, Epoxy Coated	Pound	38,820
Bar Splicers	Each	306
Preformed Joint Strip Seal	Foot	77.0
Bridge Deck Scarification, 2 1/4"	Sq Yd	558
Bridge Deck Fly Ash or GGBF Slag Concrete Overlay, 2 1/2"	Sq Yd	558
Bridge Deck Grooving (Longitudinal)	Sq Yd	576
* Protective Coat	Sq Yd	43
Structural Repair of Concrete (Depth <5")	Sq Ft	9
Deck Slab Repair (Full Depth, Type I)	Sq Yd	1
Deck Slab Repair (Full Depth, Type II)	Sq Yd	7
Elastomeric Bearing Assembly, Type I	Each	6
Elastomeric Bearing Assembly, Type II	Each	6
Jack and Remove Existing Bearings	Each	12
Furnishing and Erecting Structural Steel	Pound	1675
Anchor Bolts, 1"Ø	Each	24
Diamond Grinding (Bridge Section)	Sq Yd	720
Concrete Superstructure (Approach Slab)	Cu Yd	88
Concrete Structures	Cu Yd	24

* New concrete areas adjacent to joint only.

** Overlay Thickness Prior to 1/4" Diamond Grinding



STAGE I - WESTBOUND LOOKING WEST



STAGE II - WESTBOUND LOOKING WEST

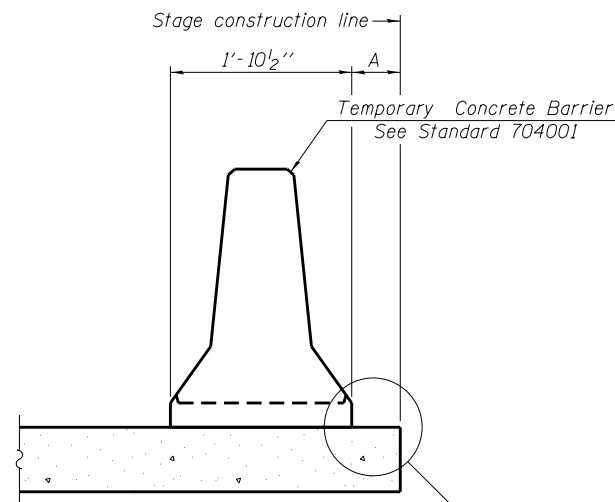
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Default	PLOT DATE = 3/23/2017	DATE - 12/24/2013	REVISED - 12/14/2016

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BILL OF MATERIALS & STAGE CONSTRUCTION
SN. 025-0006 (WB)**

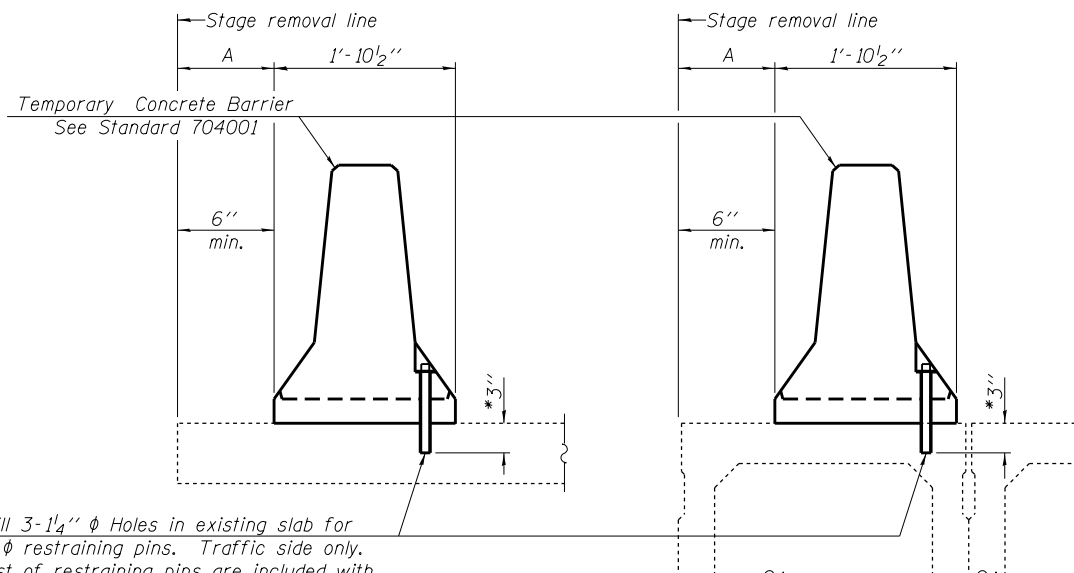
SCALE: SHEET 3 OF 16 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	179
CONTRACT NO. 74664				
ILLINOIS FED. AID PROJECT				



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

NEW SLAB OR NEW DECK BEAM



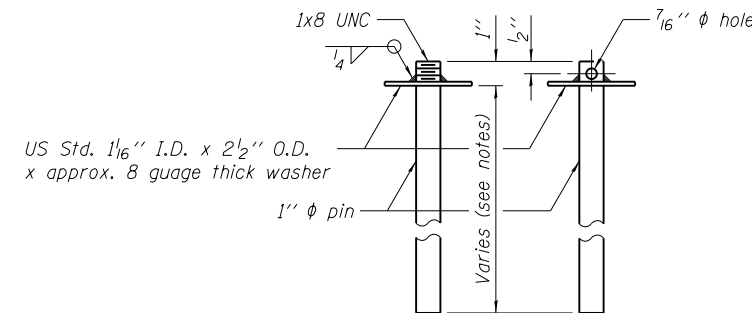
Drill 3-1/4" ϕ Holes in existing slab for 1" ϕ restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

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

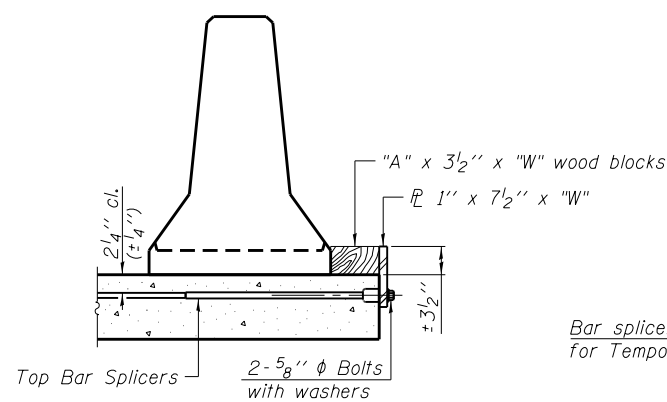
EXISTING SLAB

EXISTING DECK BEAM

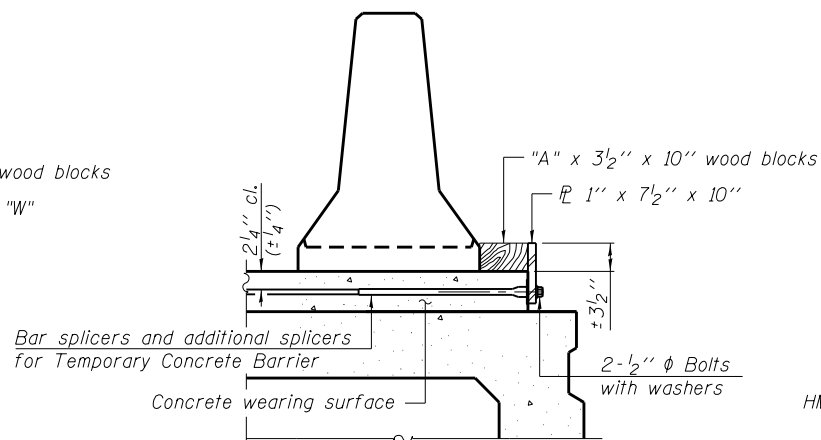
SECTIONS THRU SLAB OR DECK BEAM



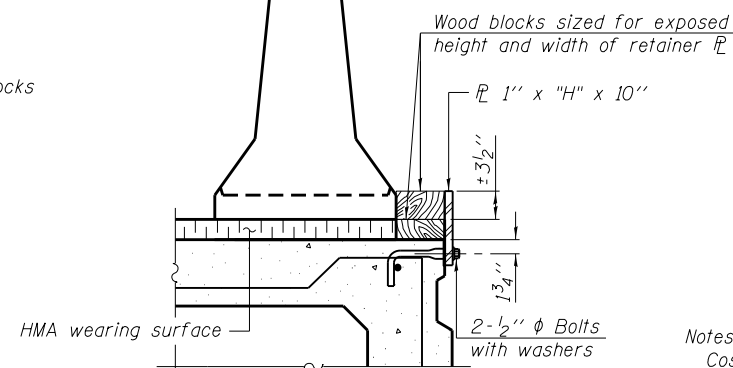
RESTRAINING PIN



DETAIL I

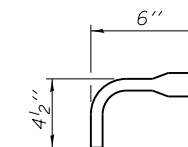


DETAIL II



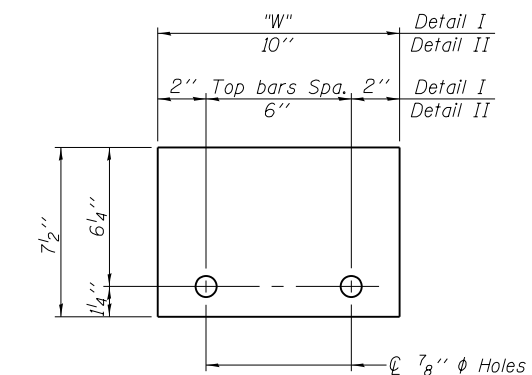
DETAIL III

BAR SPLICER FOR #4 BAR - DETAIL III

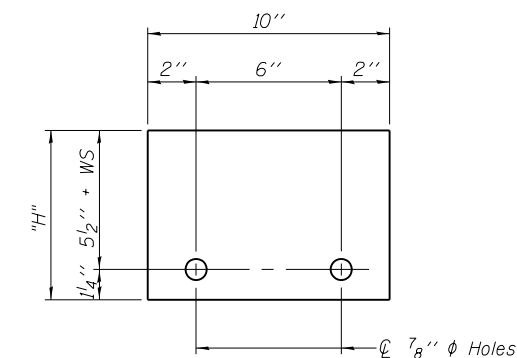


Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate ϕ of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications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

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



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



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

R-27

11-22-2016

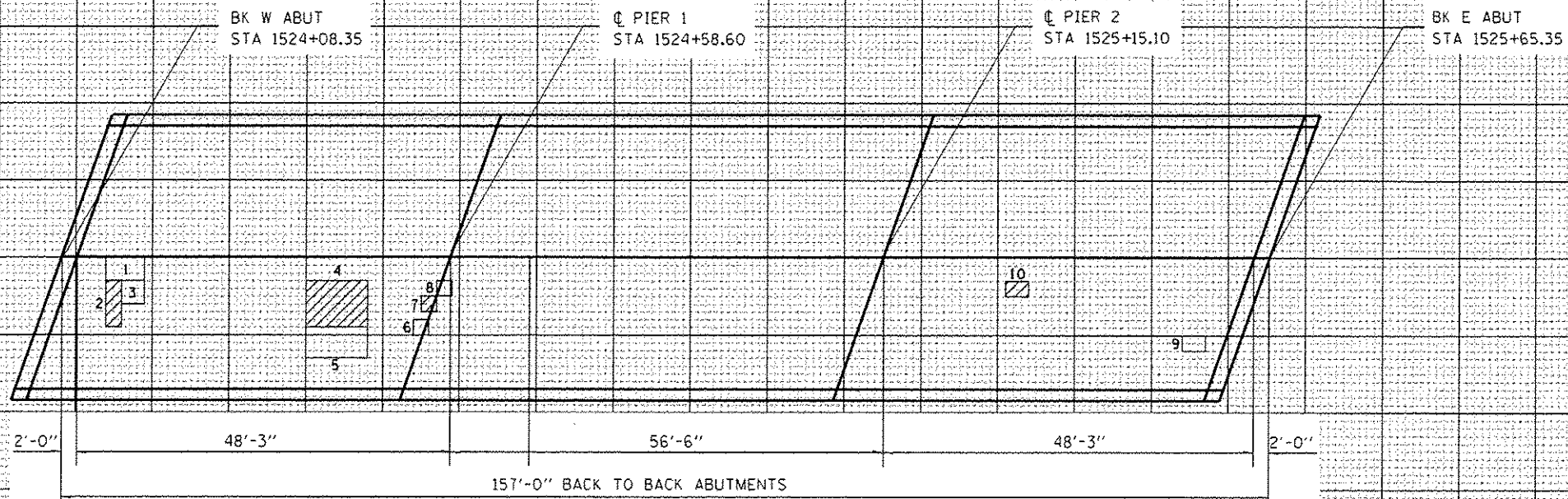
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Default	PLOT SCALE = 40.0000' / in.	DATE - 12/24/2013	REVISED - 12/14/2016
	PLOT DATE = 3/23/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 025-0005 (EB) & 025-0006 (WB)**

SCALE: SHEET 4 OF 16 SHEETS STA. TO STA.

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	180
CONTRACT NO. 74664				
ILLINOIS FED. AID PROJECT				



PATCH NO.	SIZE	DECK SLAB REPAIR (PART DEPTH)		
		SQ YD	SQ YD	SQ YD
1	5.0 x 3.0	1.67		
2	2.0 x 6.0			1.33
3	3.0 x 3.0	1.00		
4	8.0 x 6.0			5.33
5	8.0 x 4.0	3.56		
6	2.0 x 2.0	0.44		
7	2.0 x 2.0		0.44	
8	2.0 x 2.0	0.44		
9	3.0 x 2.0	0.67		
10	3.0 x 2.0			0.67
TOTAL		7.8	0.4	7.3

PATCH NO.	SIZE	DECK SLAB REPAIR (PART DEPTH)		
		SQ YD	SQ YD	SQ YD
TOTAL PARTIAL DEPTH		4.2		
USE 4 SQ YD FOR INFORMATION ONLY				
TOTAL FULL DEPTH, TYPE 1		0.4		
USE 1 SQ YD				
TOTAL FULL DEPTH, TYPE 2		7.3		
USE 7 SQ YD				

PATCH NO.	SIZE	DECK SLAB REPAIR (PART DEPTH)		
		SQ YD	SQ YD	SQ YD

PATCH NO.	SIZE	DECK SLAB REPAIR (PART DEPTH)		
		SQ YD	SQ YD	SQ YD

PATCH NO.	SIZE	DECK SLAB REPAIR (PART DEPTH)		
		SQ YD	SQ YD	SQ YD

THE LOCATIONS AND SIZES SHOWN GRAPHICALLY ABOVE ARE APPROXIMATE. SEE THIS TABLE FOR ACTUAL SIZES.

PATCHING LEGEND

PARTIAL DEPTH (FOR INFORMATION ONLY)

FULL DEPTH

DATE OF SURVEY: 10/09/2013
 SURVEY BY: MEA, KLB
 METHOD OF SURVEY: VISUAL

BRIDGE DECK PATCHING
 EFFINGHAM COUNTY
 FAI ROUTE TO EBL OVER
 B & O RR
 0.2 MILES WEST OF
 ALTAMONT INTERCHANGE

SN 025-0005

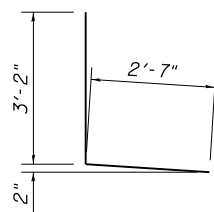
005

FILE NAME =	USER NAME = meahindo	DESIGNED - KLB	REVISED - S. Kossel	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE DECK PATCHING SN. 025-0005 (EB)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - S. Kossel						TO	(25-1,2)R	EFFINGHAM	496	181
CHECKED - MEA						REVISED - D. Macklin	CONTRACT NO. 74664			
PLOT SCALE = 1/8" = 1'-0"		DATE - 12/24/2013	REVISED - 09/19/2016	SCALE: _____ SHEET NO. 5 OF 16 SHEETS STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				

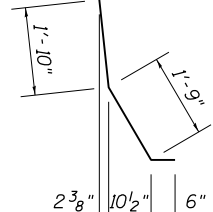
BILL OF MATERIAL

PER ABUTMENT

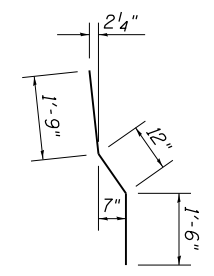
BAR	NUMBER OF BARS		TOTAL	SIZE	LENGTH	SHAPE
	STAGE I	STAGE II				
a (E)	12	12	24	#5	19'-1"	—
d (E)	4	3	7	#4	5'-9"	L
d(E)	4	3	7	#5	4'-1"	L
h (E)	4	4	8	#6	19'-1"	—
x (E)	19	19	38	#5	3'-2"	—
v (E)	2	2	4	#6	4'-3"	—
REINFORCEMENT BARS (EPOXY COATED)					POUND	920
CONCRETE REMOVAL					CU YD	6.4
CONCRETE SUPERSTRUCTURE					CU YD	6.5



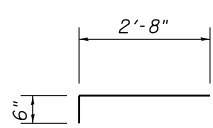
Bar d(E)



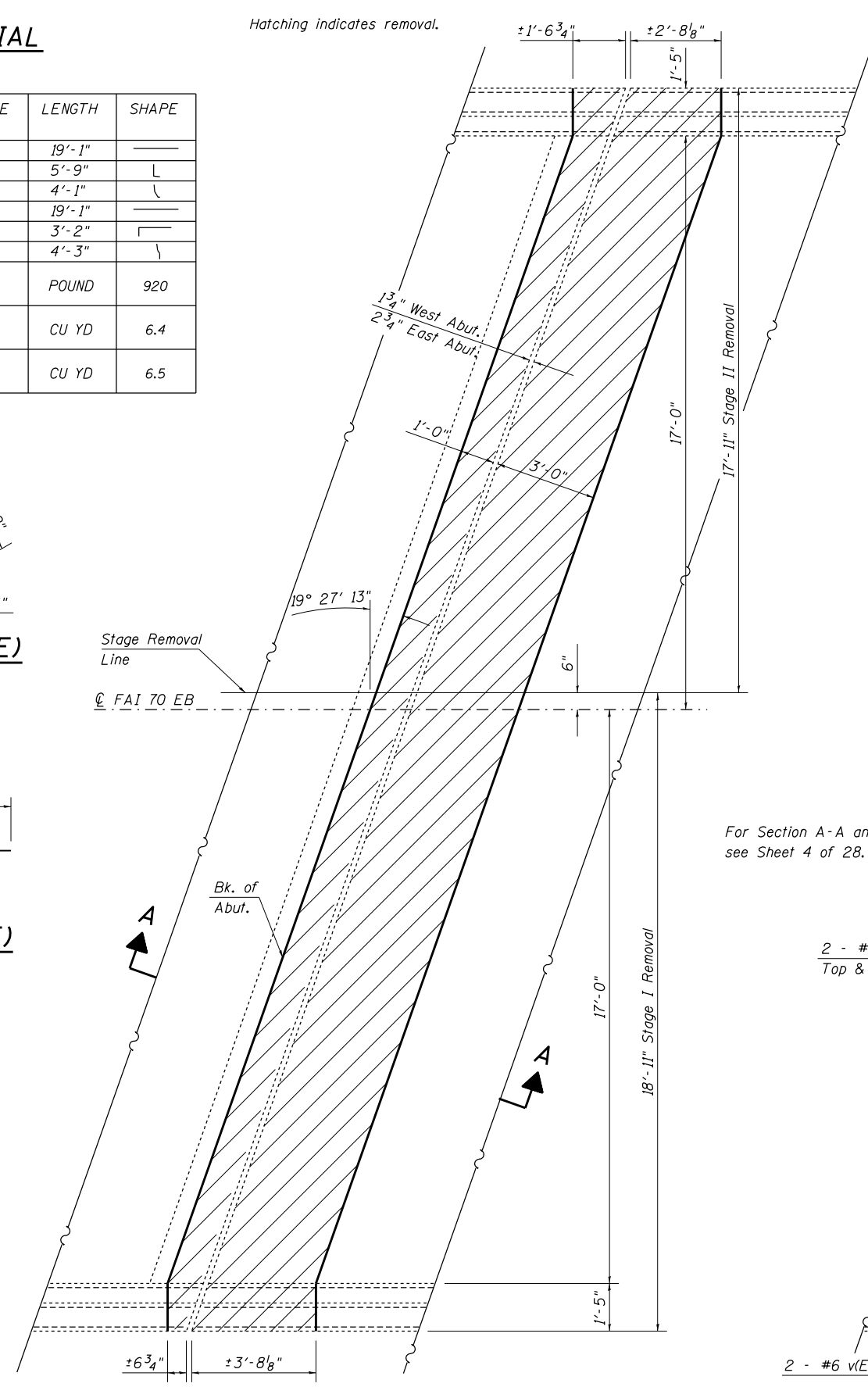
Bar d(E)



Bar v(E)

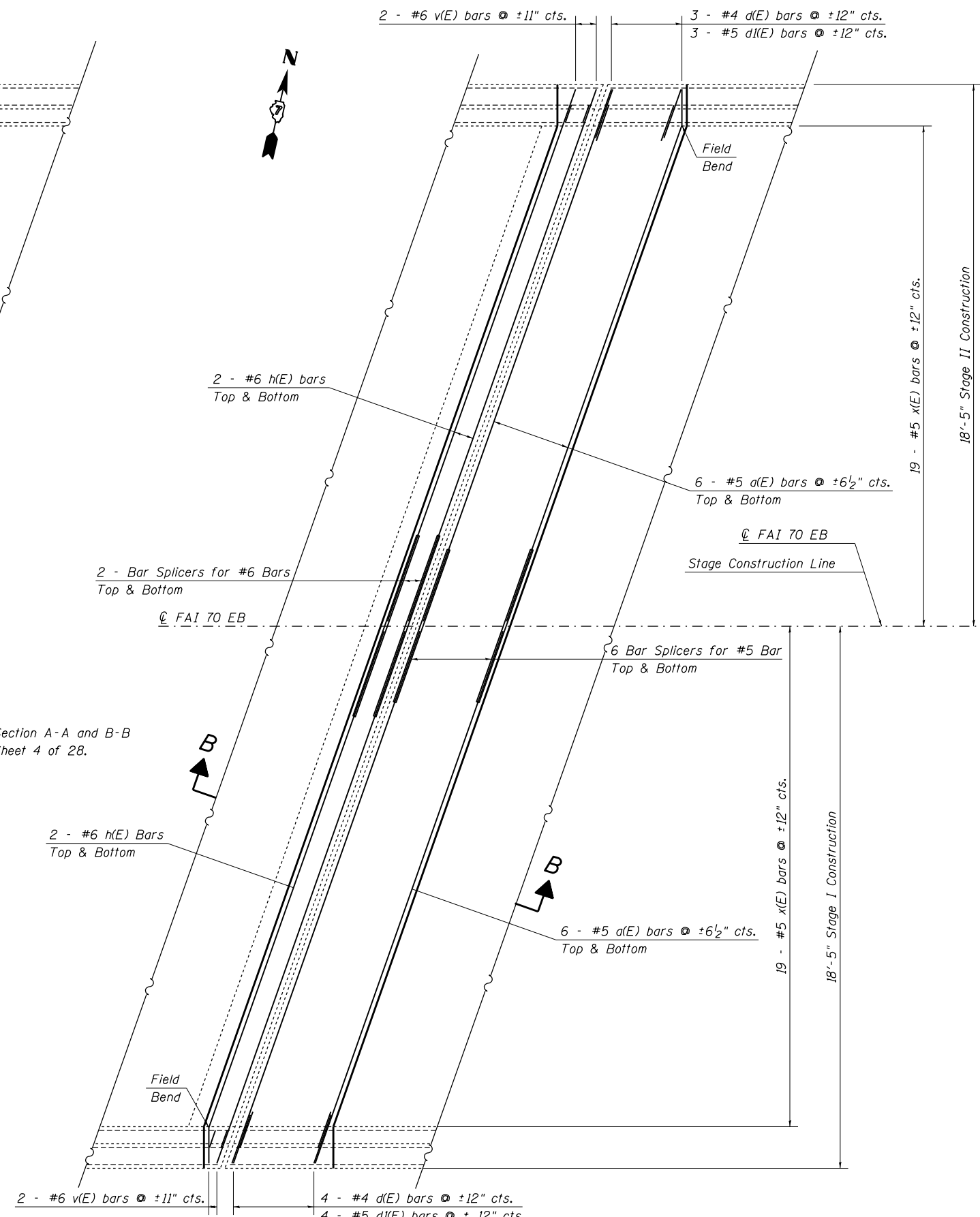


Bar x(E)



EXISTING PARTIAL PLAN

Eastbound and Westbound West Abutments Shown
(Eastbound and Westbound East Abutments Similar)



PROPOSED PARTIAL PLAN

Eastbound and Westbound West Abutments Shown
(Eastbound and Westbound East Abutments Similar)

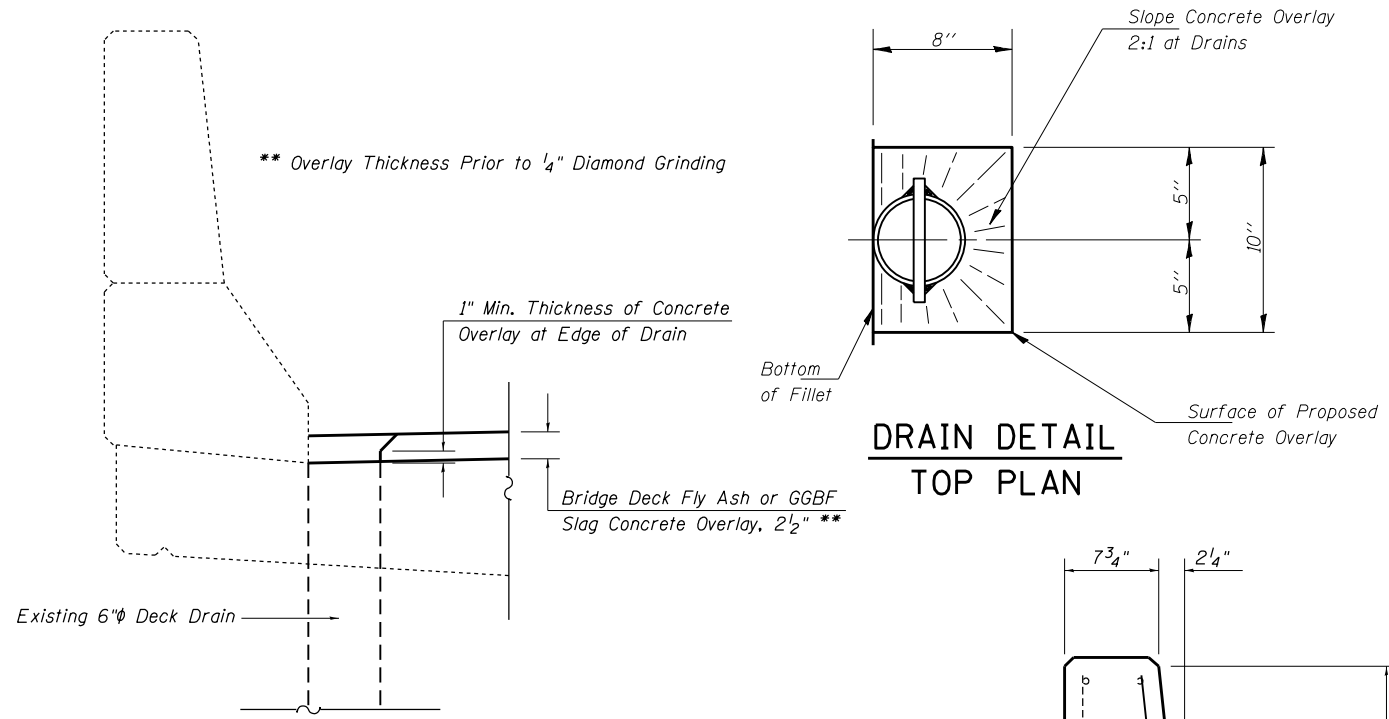
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PLOT SCALE = 40.0000' / in.	CHECKED - MEA	DATE = 12/24/2013	REVISED -
PLOT DATE = 3/23/2017	DATE = 12/24/2013	DATE = 12/24/2013	REVISED - 12/14/2016

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAILS
SN. 025-0005 (EB) & SN. 025-0006 (WB)

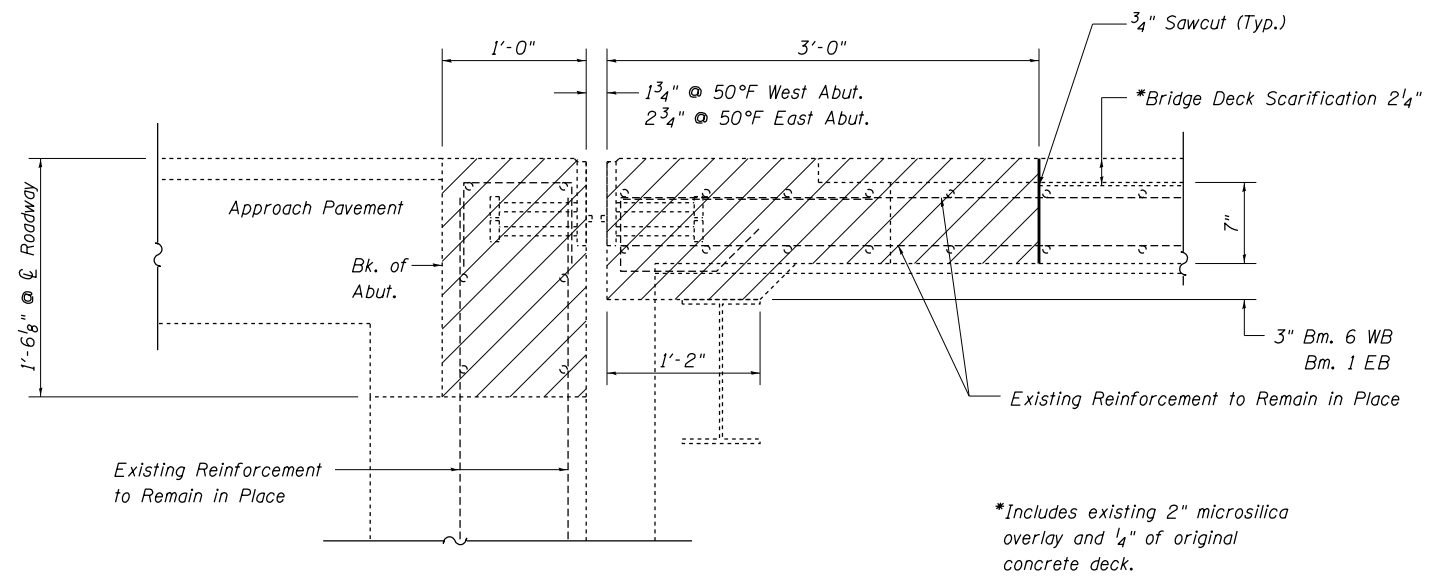
SCALE: SHEET 7 OF 16 SHEETS STA. TO STA.

F.A.I. RTE. 70	SECTION (25-1,2)R	COUNTY EFFINGHAM	TOTAL SHEETS 496	SHEET NO. 183
CONTRACT NO. 74664				
ILLINOIS FED. AID PROJECT				

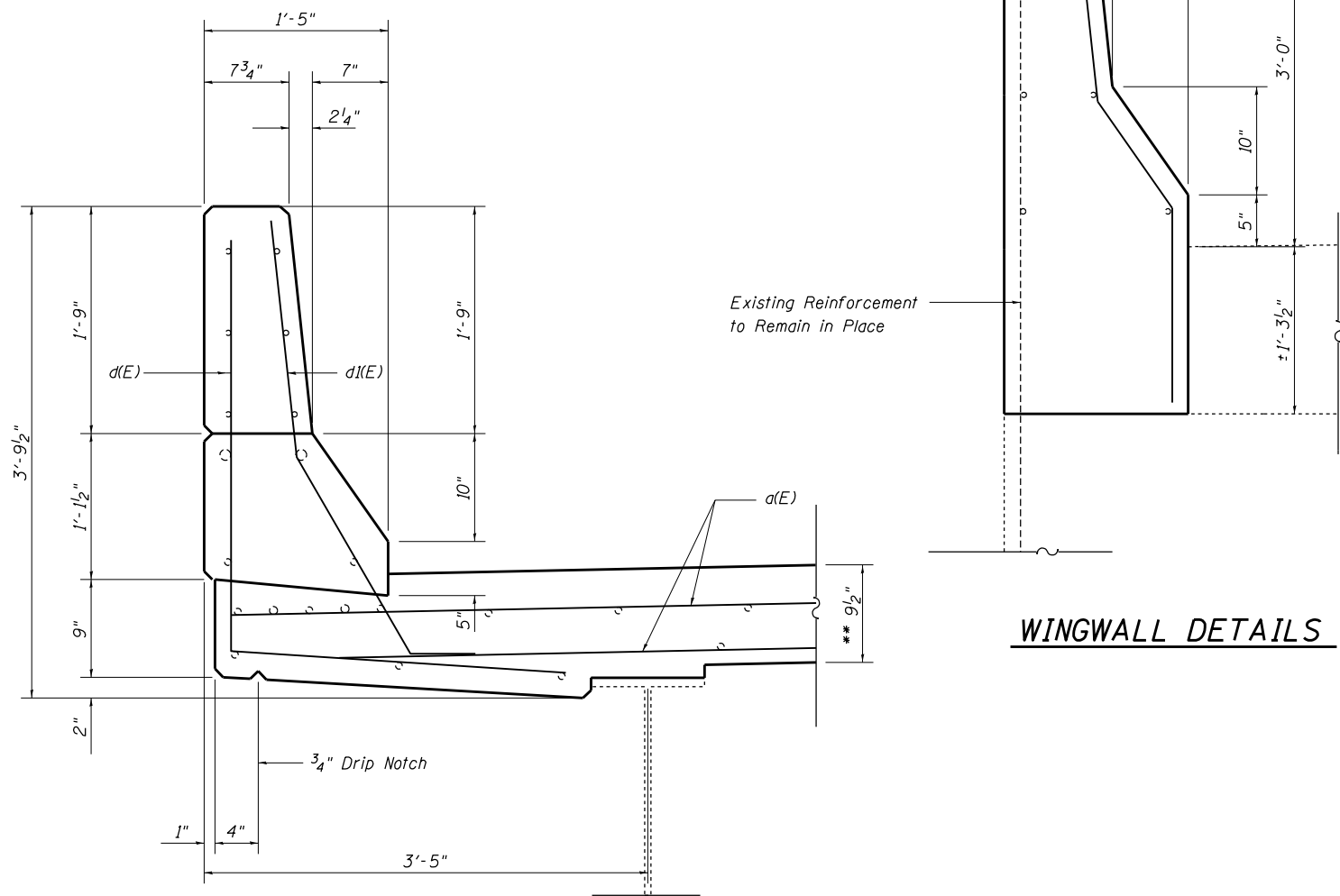


FLOOR DRAIN DETAIL

DRAIN DETAIL TOP PLAN

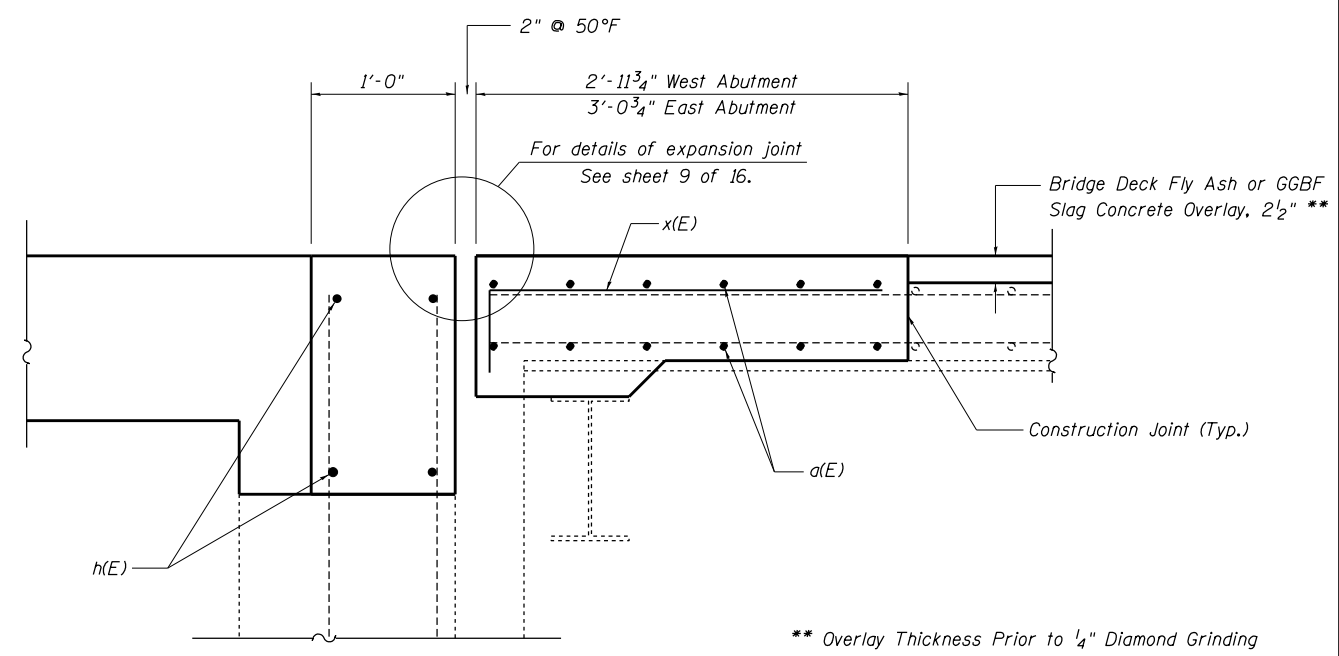


SECTION A-A
(Dimensions at Rt. L's to end of deck)



SECTION THRU PARAPET

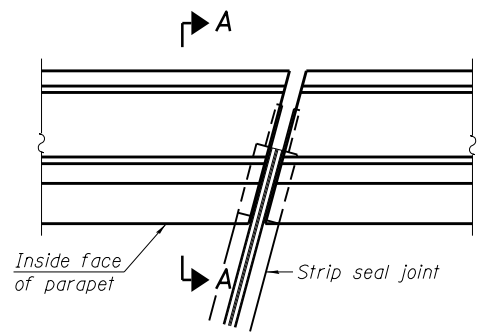
WINGWALL DETAILS



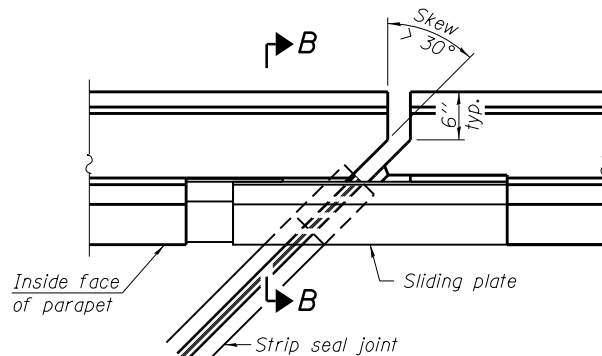
SECTION B-B
(Dimensions at Rt. L's to end of deck)

- Existing Reinforcement
- Proposed Reinforcement

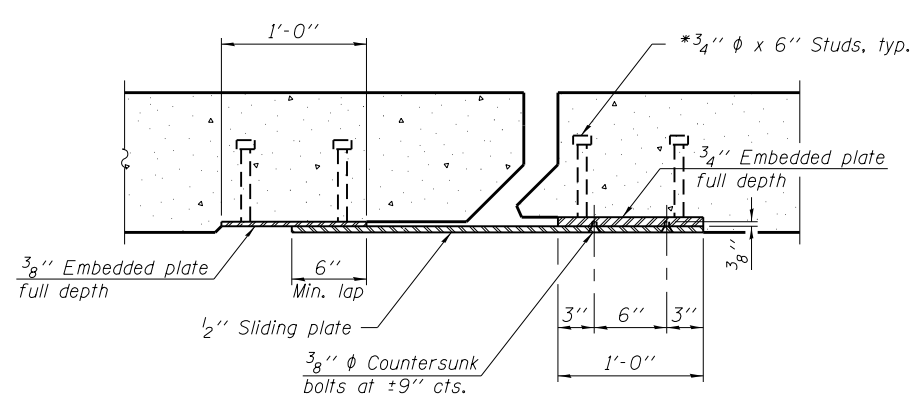
FILE NAME =	USER NAME = steffenk	DESIGNED - KLB	REVISED - D. Macklin	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXPANSION JOINT REPLACEMENT DETAILS SN. 025-0005 (EB) & SN. 025-0006 (WB)	F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 7\Projects\74664\DRAWING\CAD\sheet\74664-structures-02\0005.dgn	DESIGNED - KLB	CHECKED -	REVISED -			70	(25-1,2)R	EFFINGHAM	496	184
Default	PLOT DATE = 3/23/2017	DATE -	REVISED - 12/14/2016			CONTRACT NO. 74664		ILLINOIS FED. AID PROJECT		



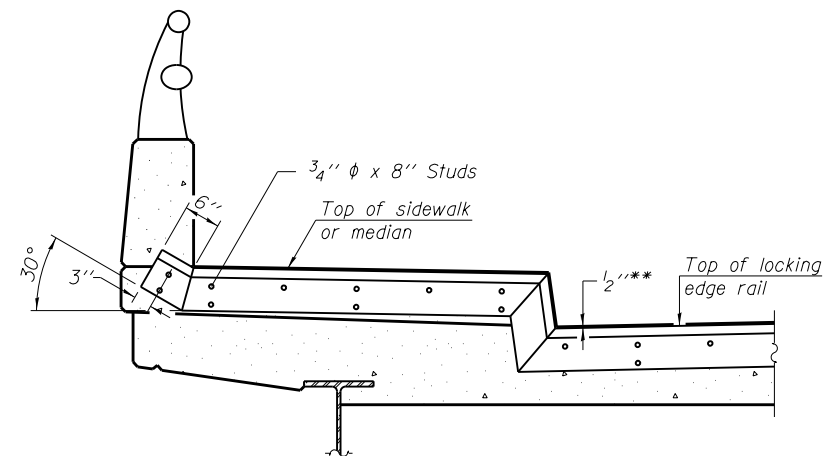
PLAN
(For skews $\leq 30^\circ$)



PLAN
(For skews $> 30^\circ$)
Showing point block

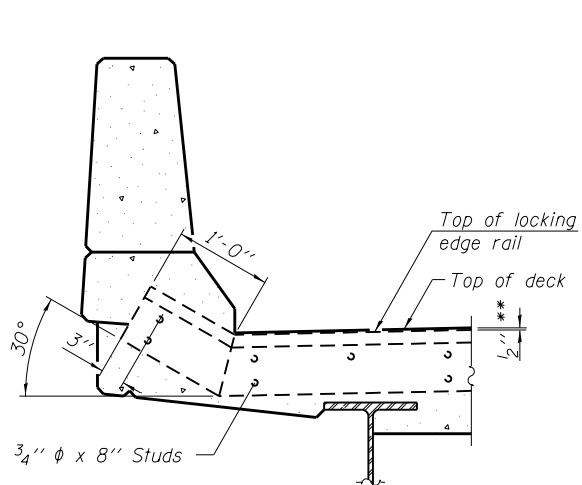


SECTION C-C

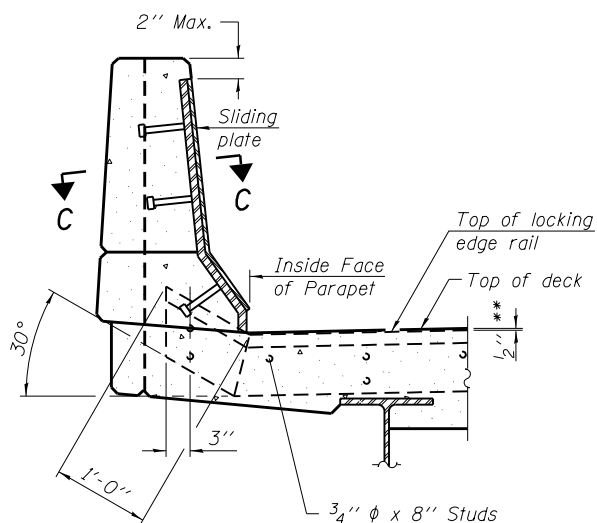


TYPICAL END TREATMENT AT SIDEWALK OR MEDIAN

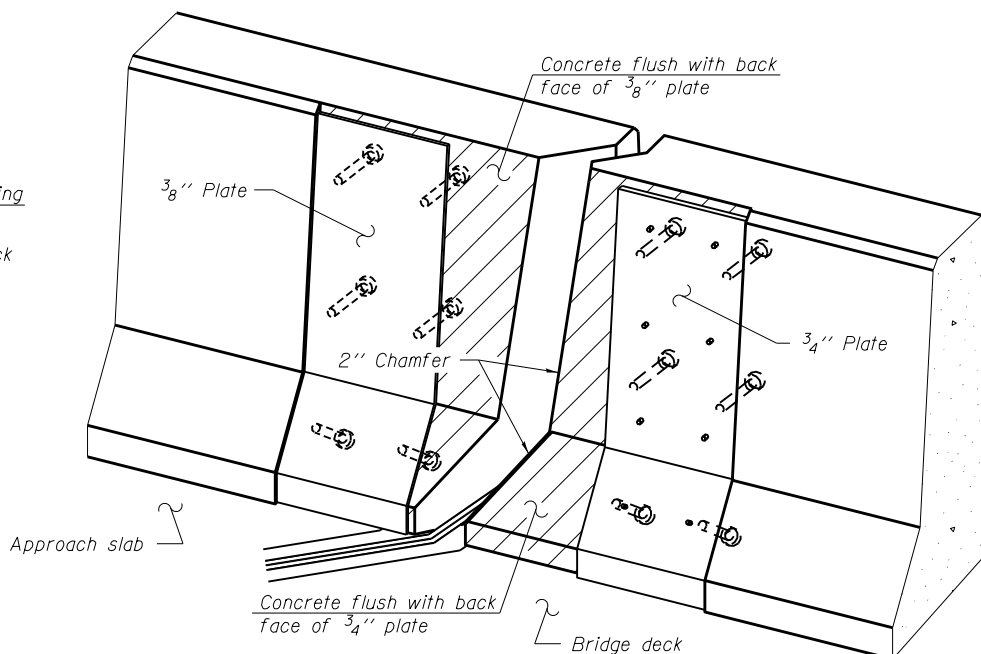
Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.



SECTION A-A

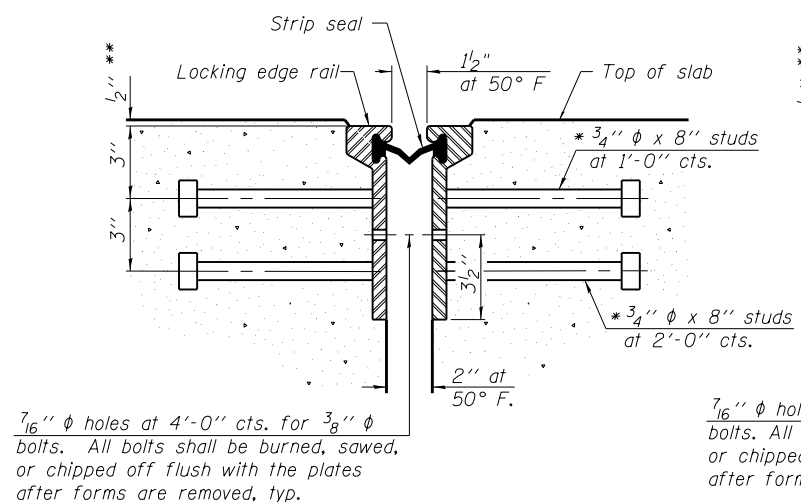


SECTION B-B

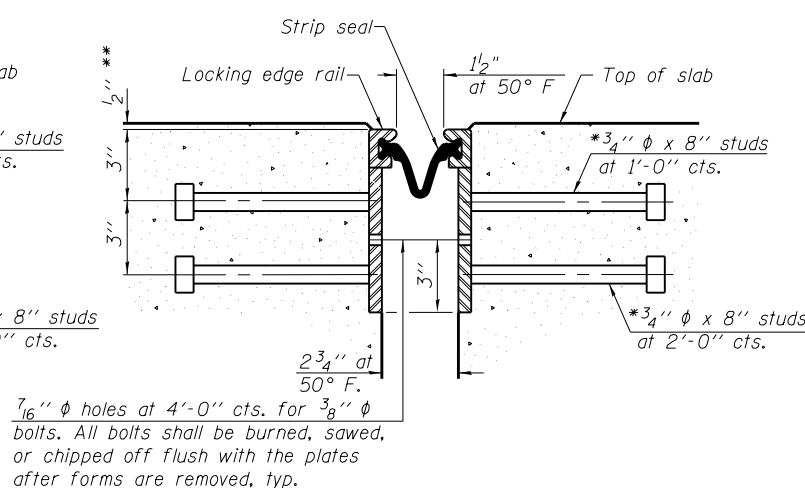


TRIMETRIC VIEW
(Showing back plates only)

** Prior to 1/4" Diamond Grinding



SECTION THRU ROLLED RAIL JOINT



SECTION THRU WELDED RAIL JOINT

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

** Prior to 1/4" Diamond Grinding

ROLLED EXTRUDED RAIL

WELDED RAIL

LOCKING EDGE RAIL SPLICE

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

LOCKING EDGE RAILS

Notes:
The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.
The manufacturer's recommended installation methods shall be followed.
The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
Maximum space between rail segments shall be 3/16", sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.
Parapet plates and anchorage studs for skews > 30° included in the cost of Preformed Joint Strip Seal.

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

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	154.0

EJ-SSJ

11-22-2016

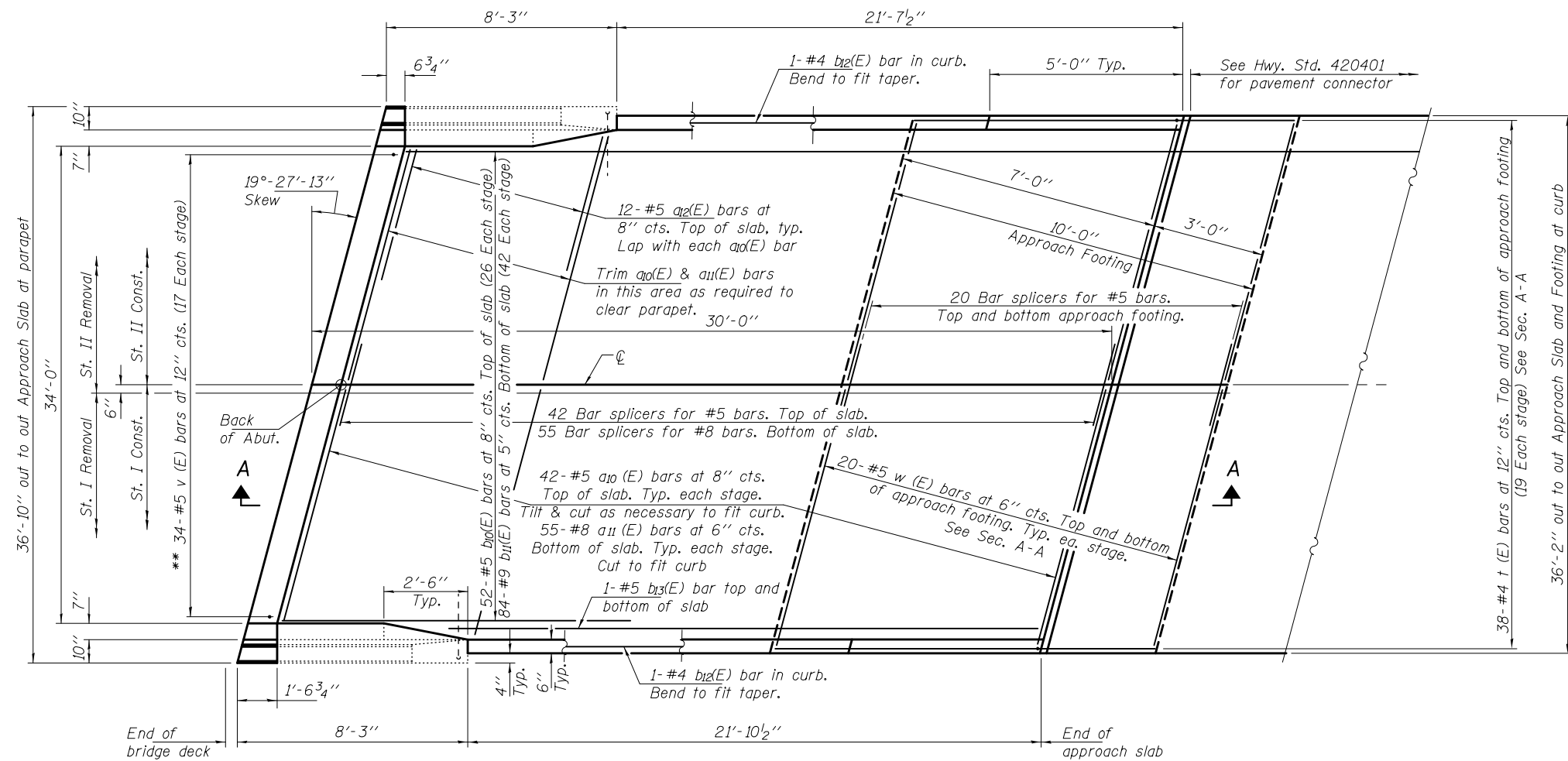
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PLOT SCALE = 48.0000' / in.		DATE - 12/24/2013	REVISED - 12/14/2016
Default	PLOT DATE = 3/23/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 025-0005 (EB) & 025-0006 (WB)**

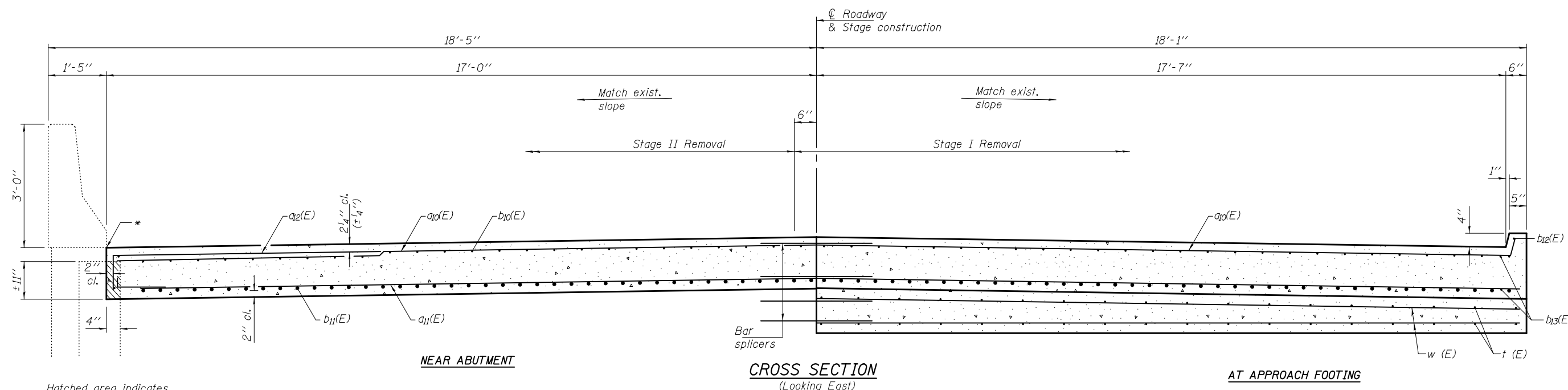
SCALE: SHEET 9 OF 16 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	185
CONTRACT NO. 74664				
ILLINOIS FED. AID PROJECT				



PLAN
East Approach shown
West similar by rotation except for removal line.

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



NEAR ABUTMENT

CROSS SECTION
(Looking East)

AT APPROACH FOOTING

Hatched area indicates Concrete Removal.

* Prefomed Expansion Joint Filler according to Article 1051.09 of the Standard Specifications; full depth of slab, full length of parapet. Typ. each parapet.

For Section A-A, see sheet 11 of 16.

BAIA-CIP-34FS-L(30°) 07-22-16

DESIGNED	VHV
CHECKED	DAB
DRAWN	baliva
CHECKED	VHV DAB

PASSED	<i>Carl Pinger</i> ENGINEER OF BRIDGES AND STRUCTURES
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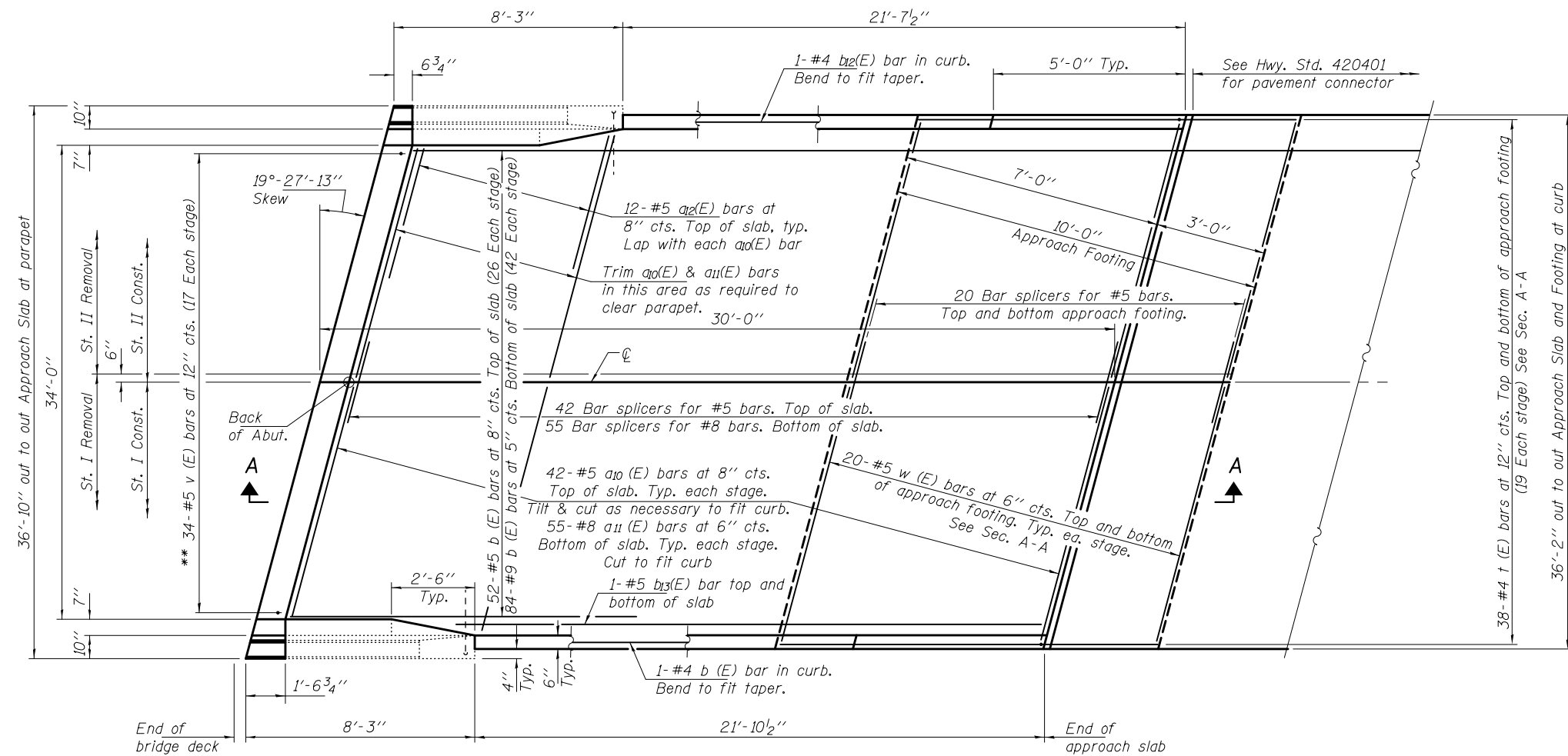
DATE	MAY 12, 2017
REVISED	
REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
SN 025-0005

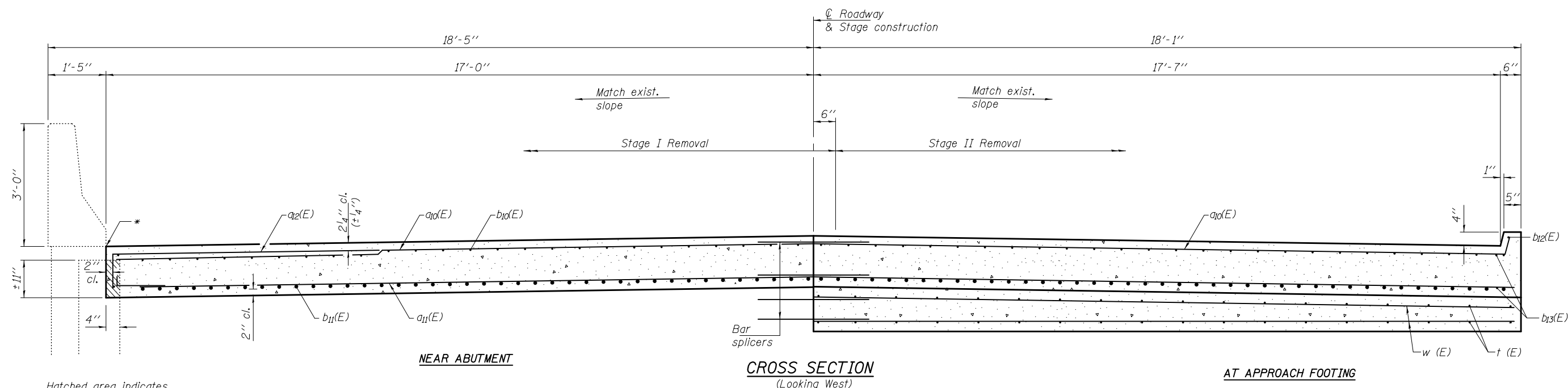
SHEET NO. 10 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	186
CONTRACT NO.			74664	
ILLINOIS FED. AID PROJECT				



PLAN
East Approach shown
West similar by rotation except for removal line.

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



* Prefomed Expansion Joint Filler according to Article 1051.09 of the Standard Specifications; full depth of slab, full length of parapet. Typ. each parapet.

For Section A-A, see sheet 12 of 16.

BAIA-CIP-34FS-L(30°) 07-22-16

DESIGNED	VHV
CHECKED	DAB
DRAWN	baliva
CHECKED	VHV DAB

PASSED	<i>Carl Pinger</i> ENGINEER OF BRIDGES AND STRUCTURES
--------	--

DATE	MAY 12, 2017
REVISED	
REVISED	

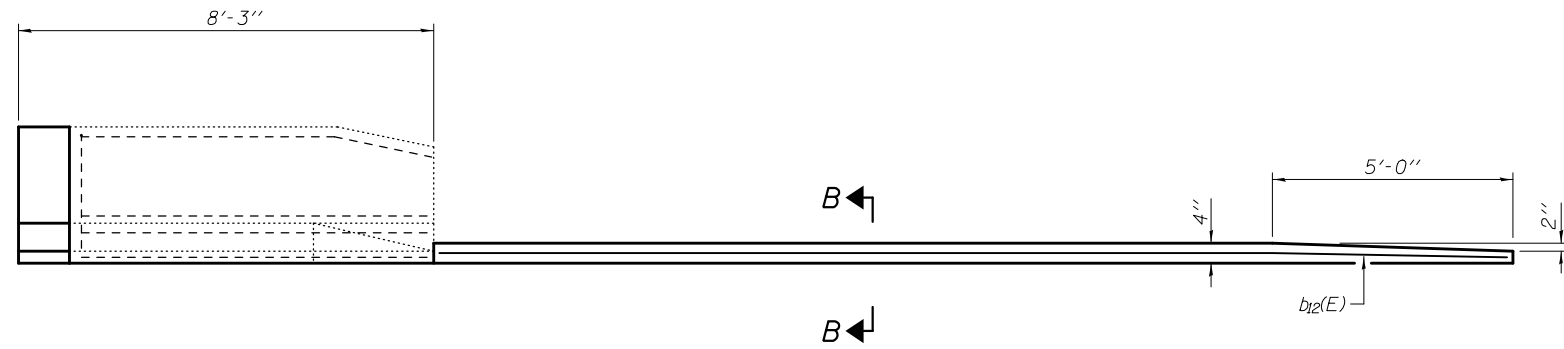
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
SN 025-0006

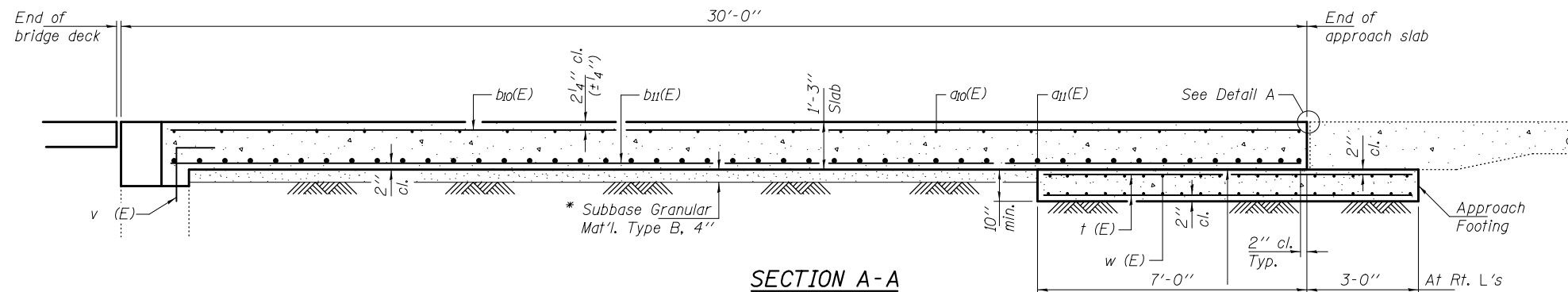
SHEET NO. 11 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	187
CONTRACT NO.			74664	
ILLINOIS FED. AID PROJECT				

Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.

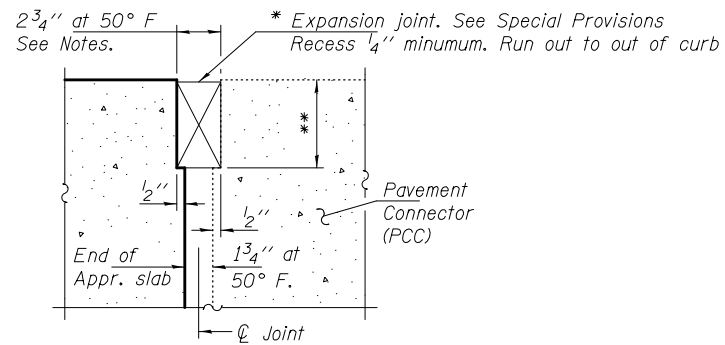


INSIDE ELEVATION OF PARAPET AND CURB

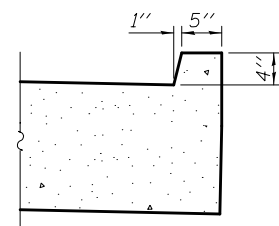


SECTION A-A

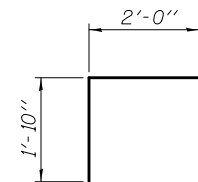
* 10 mil. Polyethylene bond breaker on steel trowel finish



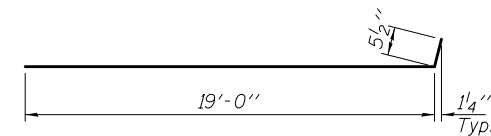
DETAIL A
(At Rt. L's)



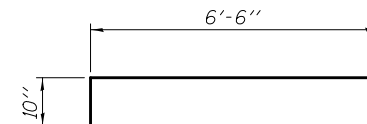
VIEW B-B



BAR v (E)



BAR a10 (E)



BAR a12 (E)

FOUR APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	336	#5	19'-5"	—
a11(E)	440	#8	19'-0"	—
a12(E)	96	#5	7'-4"	—
b10(E)	208	#5	28'-7"	—
b11(E)	336	#9	28'-7"	—
b12(E)	8	#5	21'-6"	—
b13(E)	16	#5	21'-6"	—
t (E)	152	#4	9'-8"	—
v (E)	136	#5	3'-10"	└
w (E)	160	#5	19'-0"	—
Bar Splicers		Each	548	
Concrete Superstructure (Approach Slab)		Cu. Yd.	176.0	
Concrete Structures		Cu. Yd.	48.0	
Reinforcement Bars, Epoxy Coated		Pound	73960	

* Cost included with Concrete Superstructure (Approach Slab).
 ** Per manufacturer recommendations

BAIA-CIP-34FS-L(30°) 07-22-16

DESIGNED VHV
 CHECKED DAB
 DRAWN baliva
 CHECKED VHV DAB

PASSED

 ENGINEER OF BRIDGES AND STRUCTURES

DATE MAY 12, 2017
 REVISED
 REVISED

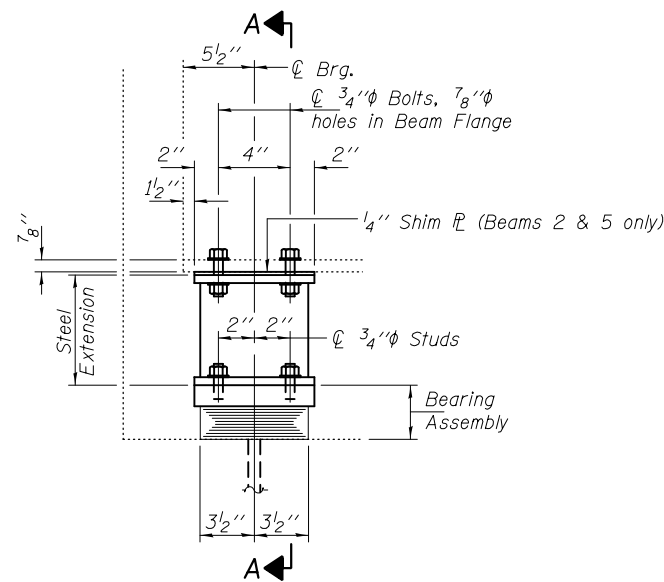
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
 SN 025-0005 & 0006

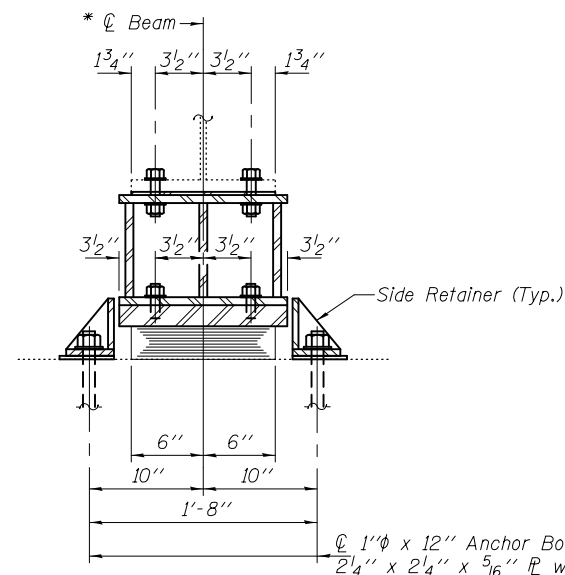
SHEET NO. 12 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2R)	EFFINGHAM	496	188
CONTRACT NO. 74664				

ILLINOIS FED. AID PROJECT



ELEVATION AT WEST ABUTMENT



SECTION A-A
* 30WF116

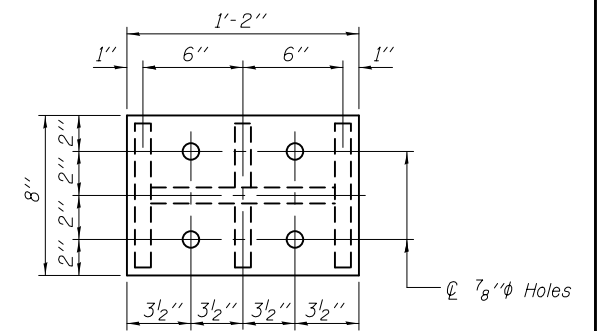
TYPE I ELASTOMERIC EXP. BRG.

BEAM REACTIONS

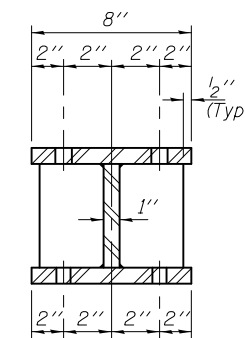
RP	(K)	17.6
R ₁	(K)	30.4
Imp.	(K)	8.7
R (Total)	(K)	56.7

Notes:

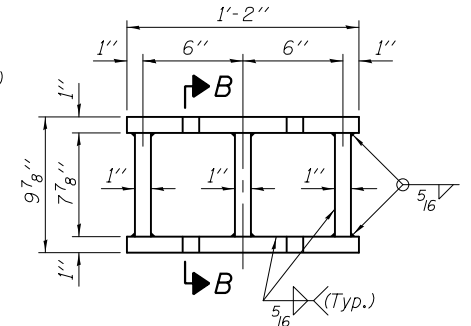
Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.
 New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.
 Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Adjustment must account for deck heave due to pack rust (if present).
 Min. jack capacity = 35 Tons.
 Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
 Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.
 Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
 Cost of Side retainers and Stainless Steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.



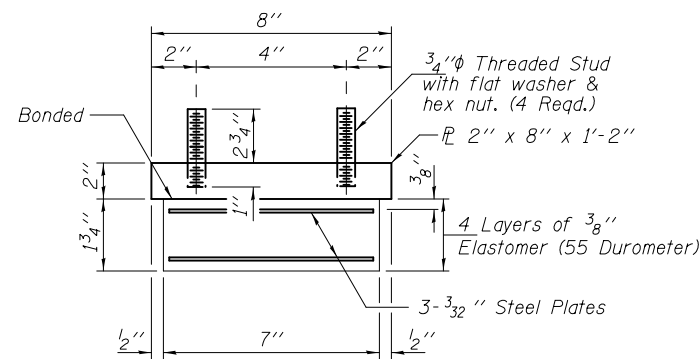
PLAN TOP AND BOTTOM PLATE



SECTION B-B

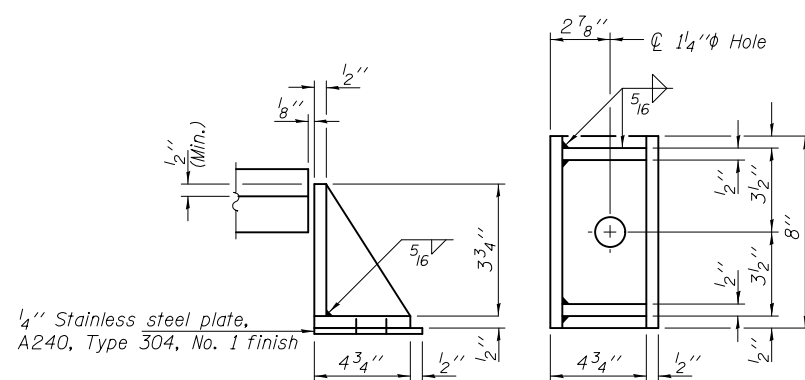


STEEL EXTENSION DETAIL



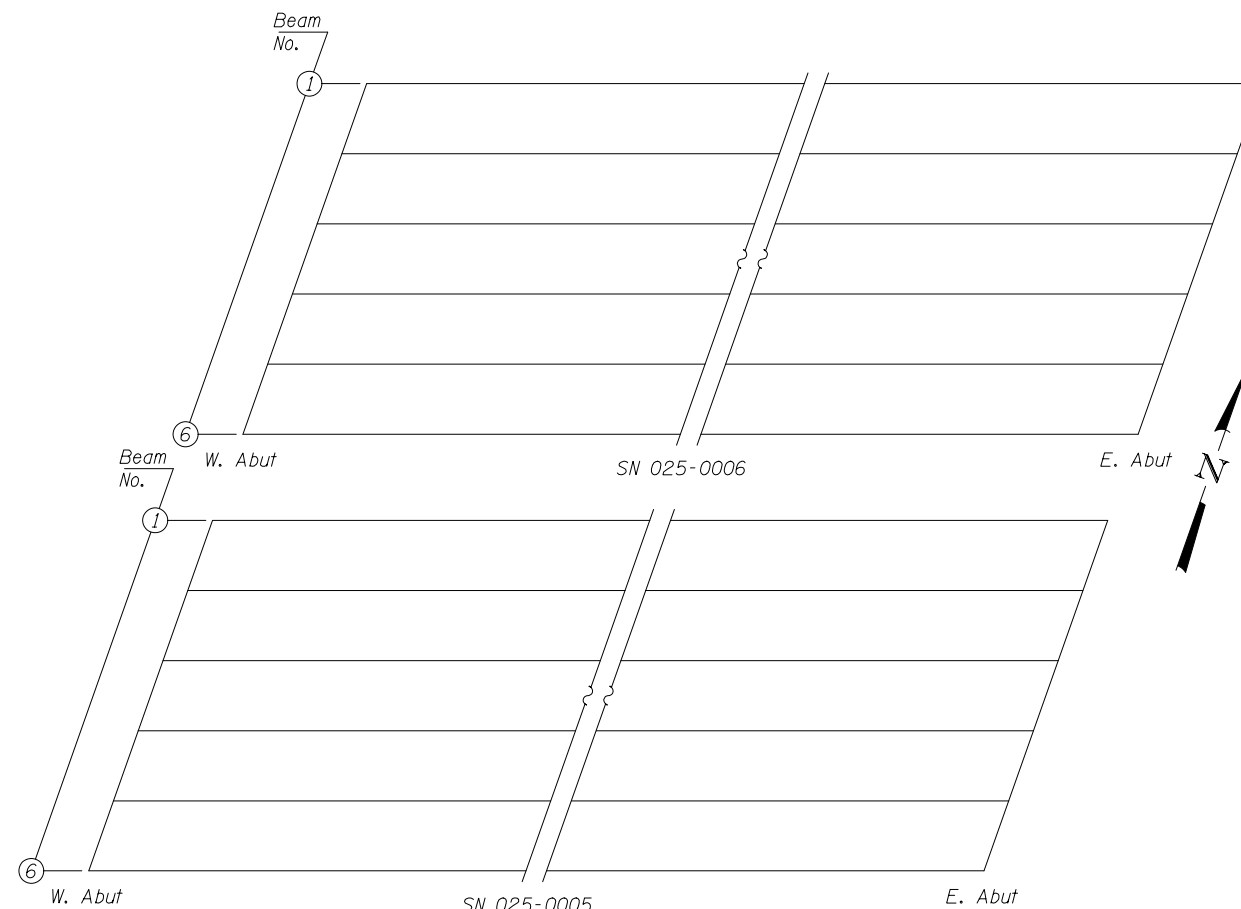
BEARING ASSEMBLY

Note:
Shim plates shall not be placed under Bearing Assembly.

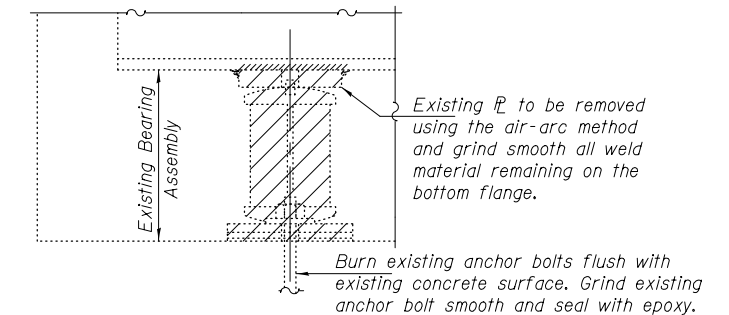


SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



BEAM LAYOUT



EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	12
Jack and Remove Existing Bearings	Each	12
Furnishing and Erecting Structural Steel	Pound	1650
Anchor Bolts 1"φ	Each	24

TYI/REPS 12-03-2008

DESIGNED	SMR
CHECKED	VHV
DRAWN	baliva
CHECKED	SMR VHV

PASSED	<i>Carl Berger</i> ENGINEER OF BRIDGES AND STRUCTURES
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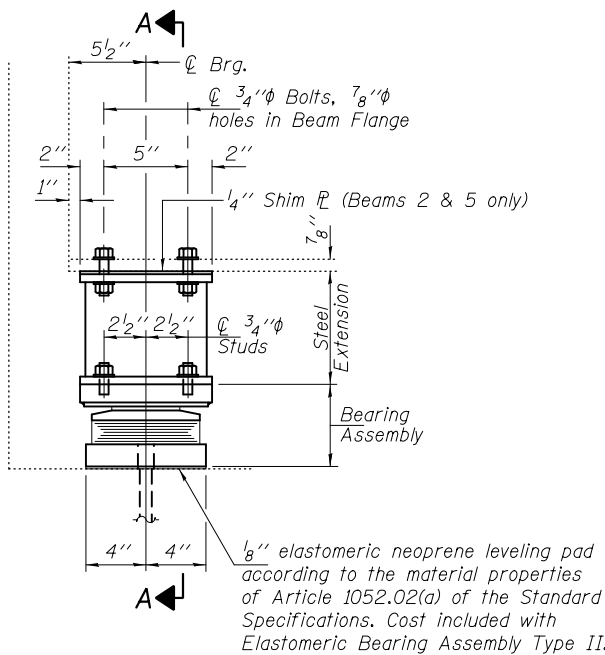
DATE	MAY 12, 2017
REVISED	
REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

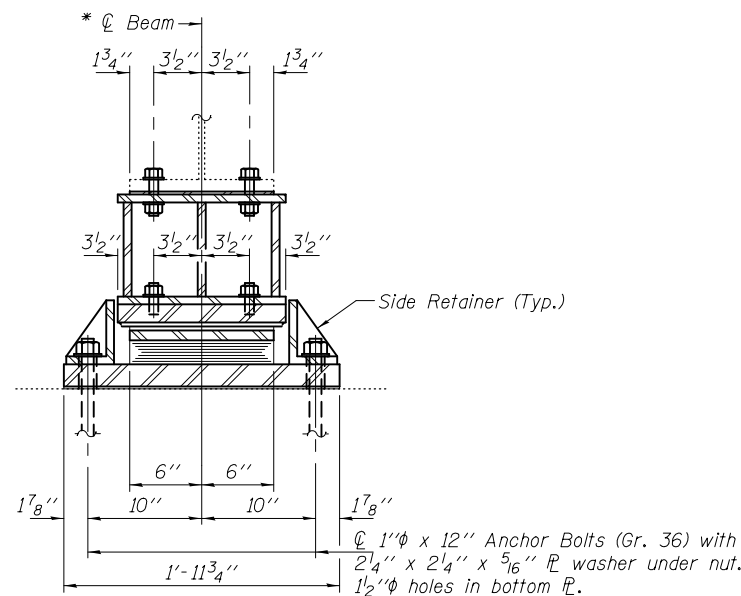
W. ABUTMENT BEARING REPLACEMENT DETAILS
SN 025-0005 & 0006

SHEET NO. 13 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2R)	EFFINGHAM	496	189
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74664	



ELEVATION AT EAST ABUTMENT



SECTION A-A

* 30WF116

TYPE II TFE ELASTOMERIC EXP. BRG.

For beam layout, see sheet 13 of 16.

BEAM REACTIONS

RP	(K)	17.6
R \dot{L}	(K)	30.4
Imp.	(K)	8.7
R (Total)	(K)	56.7

Notes:

Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.

New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel. Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Min. jack capacity = 35 Tons.

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi).

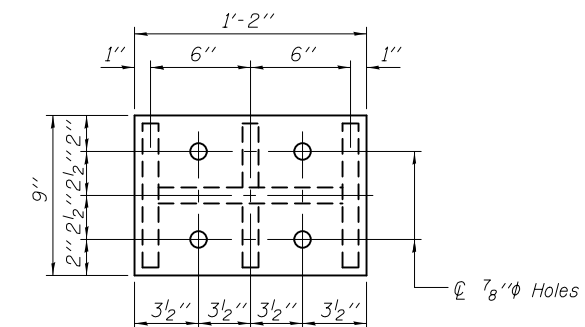
The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts for Type II bearings shall be placed in holes drilled through the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed. Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

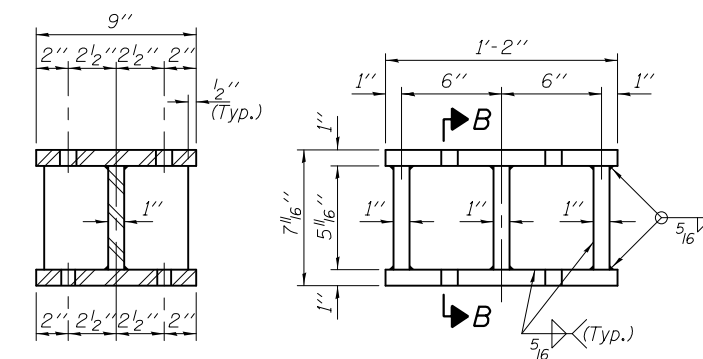
Side retainers shall be included in the cost of Elastomeric Bearing Assembly, Type II.

The 1/8" PTFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 1/8" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

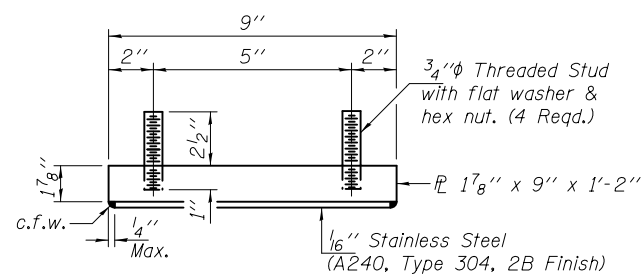


PLAN TOP AND BOTTOM PLATE



SECTION B-B

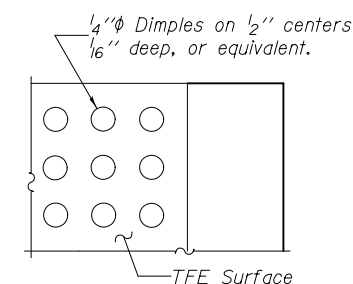
STEEL EXTENSION DETAIL



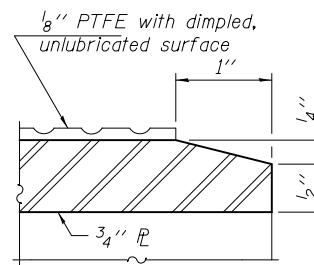
TOP BEARING ASSEMBLY

(Looking North)

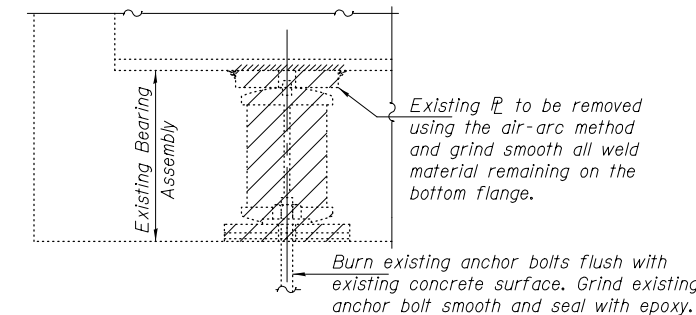
** 1/8" PTFE dimpled, unlubricated



PLAN-TFE SURFACE

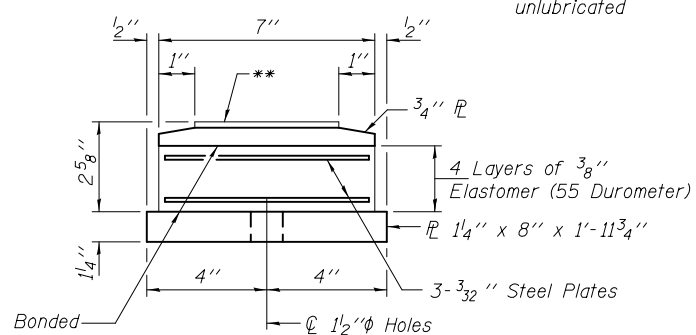


SECTION THRU TFE

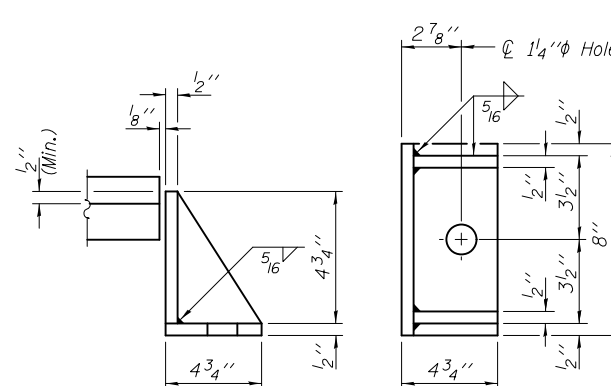


EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.

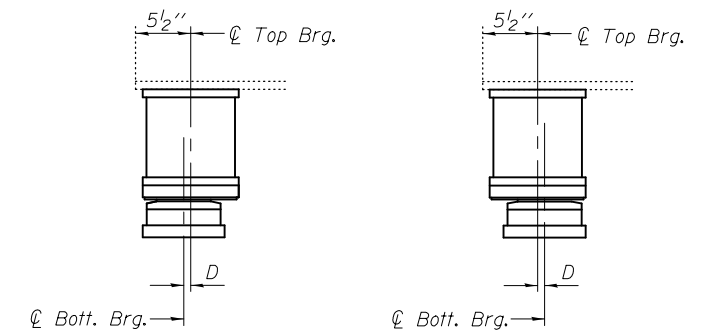


BOTTOM BEARING ASSEMBLY



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



BELOW 50° F.

(Move bott. brg. away from fixed brg.)

ABOVE 50° F.

(Move bott. brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT EXP. BRG.

D = 1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	12
Jack and Remove Existing Bearings	Each	12
Furnishing and Erecting Structural Steel	Pound	1700
Anchor Bolts 1" ϕ	Each	24

TYII/REPS 12-03-2008

DESIGNED SMR
CHECKED VHV
DRAWN baliva
CHECKED SMR VHV

PASSED	<i>Carl Berger</i> ENGINEER OF BRIDGES AND STRUCTURES
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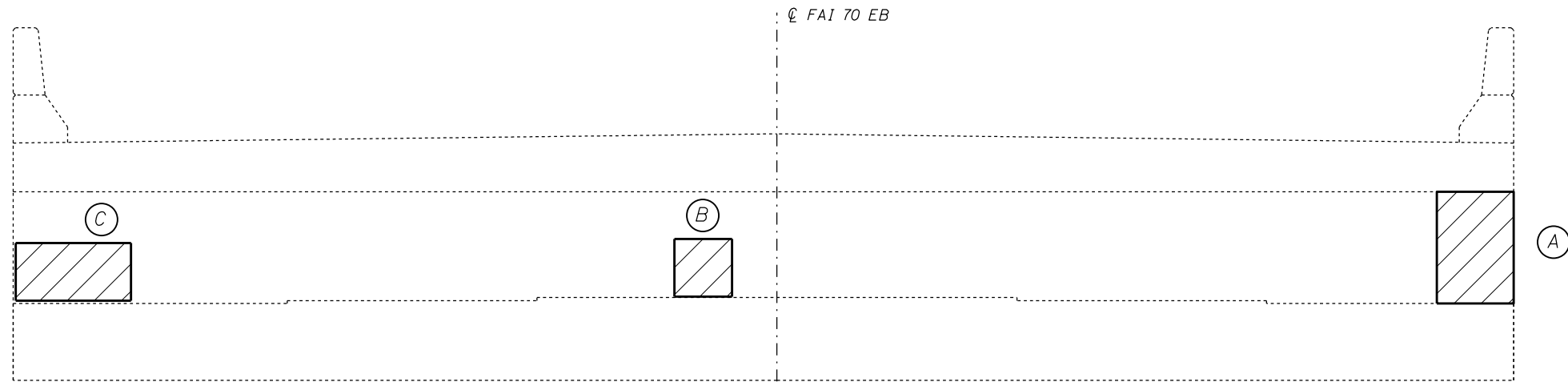
DATE	MAY 12, 2017
REVISED	
REVISED	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

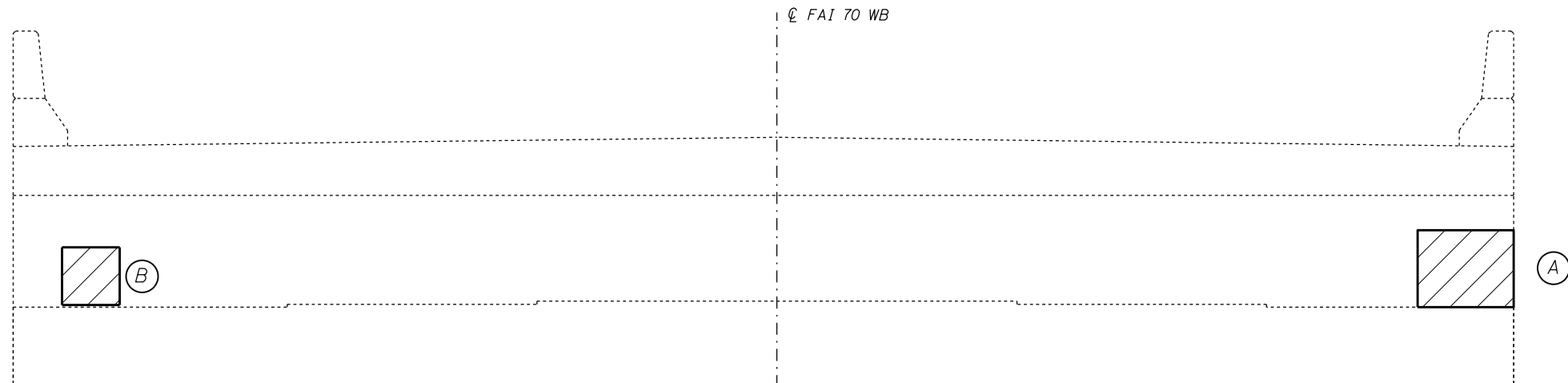
E. ABUTMENT BEARING REPLACEMENT DETAILS
 SN 025-0005 & 0006

SHEET NO. 14 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2R)	EFFINGHAM	496	190
CONTRACT NO.			74664	
ILLINOIS FED. AID PROJECT				



025-0005 - EAST ABUTMENT
(Looking East)



025-0006 - EAST ABUTMENT
(Looking East)

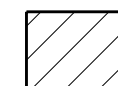
STRUCTURAL REPAIR OF CONCRETE
(DEPTH < 5")

025-0005

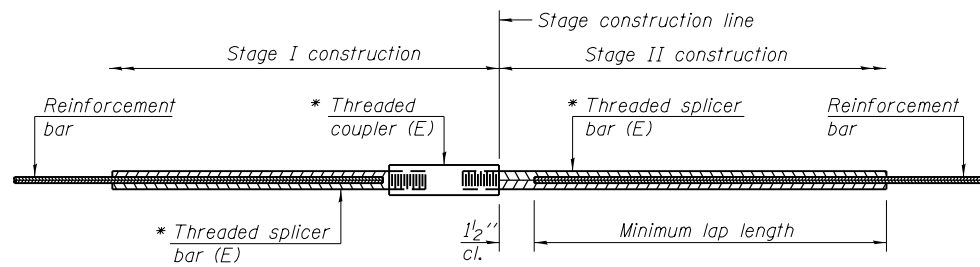
ABUTMENT	LOCATION	AREA SQ FT
EAST	A	5.8
	B	4.0
	C	12.0
025-0005 TOTAL		21.8

025-0006

ABUTMENT	LOCATION	AREA SQ FT
EAST	A	5.0
	B	4.0
025-0006 TOTAL		9.0



STRUCTURAL REPAIR OF CONCRETE (DEPTH < 5")

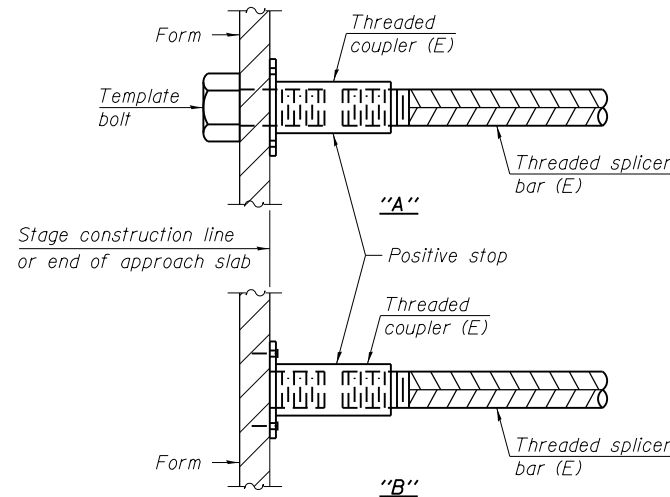


STANDARD BAR SPLICER ASSEMBLY

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

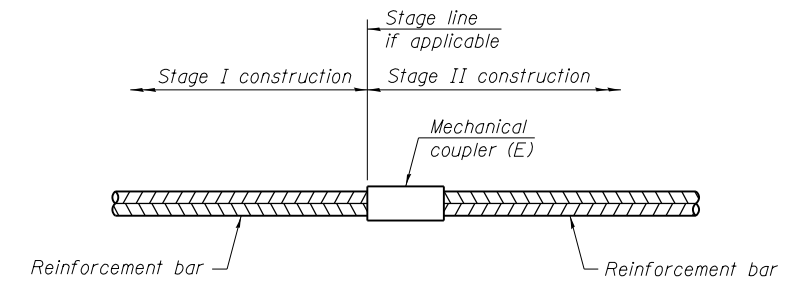
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
025-0005 Deck	#5	24	3'-6"
025-0005 Hatch	#6	8	4'-10"
025-0006 Deck	#5	24	3'-6"
025-0006 Hatch	#6	8	4'-10"
025-0005 Approach Slab	#5	164	3'-4"
025-0005 Approach Slab	#8	110	6'-8"
025-0006 Approach Slab	#5	164	3'-4"
025-0006 Approach Slab	#8	110	6'-8"



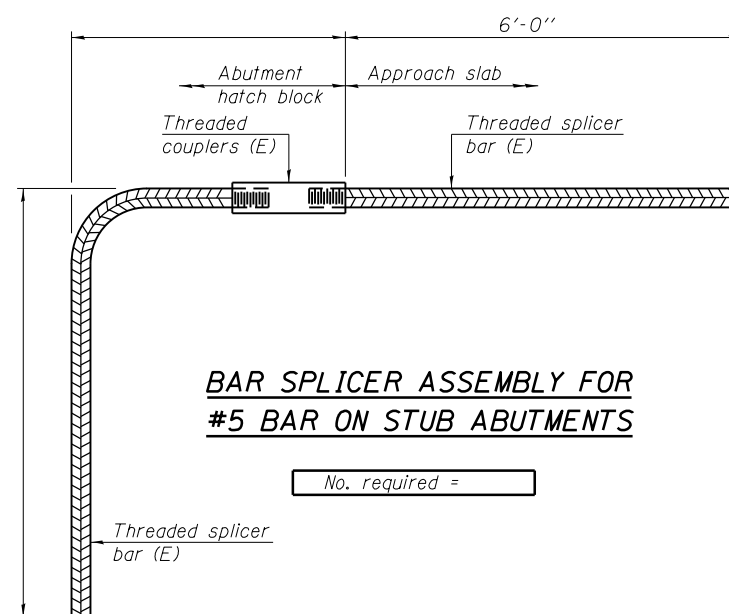
INSTALLATION AND SETTING METHODS

"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

11-22-2016

FILE NAME =	USER NAME = steffenmk	DESIGNED - KLB	REVISED - S. Kassel	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS STRUCTURE NO. 025-0005 (EB) & 025-0006 (WB)	F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 7\Projects\74664\Drawings\CAD\sheet\025-0005-structures-025-0006.dgn	DRAWN - KLB	DESIGNED - KLB	REVISED - D. Macklin			70	(25-1,2)R	EFFINGHAM	496	192
Default	PLOT SCALE = 40.0000' / in.	CHECKED - MEA	REVISED - S. Kassel			CONTRACT NO. 74664				
	PLOT DATE = 3/23/2017	DATE - 12/24/2013	REVISED - 12/14/2016	SCALE:	SHEET 16 OF 16 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

The existing three span continuous steel multi-beam structure was constructed in 1961 as FAI 70 section 25-IHB-3 at Sta. 1535+54.54. SN. 025-0007 carries FAI 70 Eastbound over FAS 711. SN. 025-0008 carries FAI 70 Westbound over FAS 711. The proposed project consists of new expansion joints, new concrete overlay, bridge deck repair, new elastomeric bearings, new concrete approaches, crash wall extensions of piers and structural repair of concrete.



GENERAL NOTES

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 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 operations shall be replaced using an approved bar splicer or anchorage system. Cost included in CONCRETE REMOVAL.

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

Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on as-built plans.

Prior to pouring the new concrete deck, all heavy and loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered point may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

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

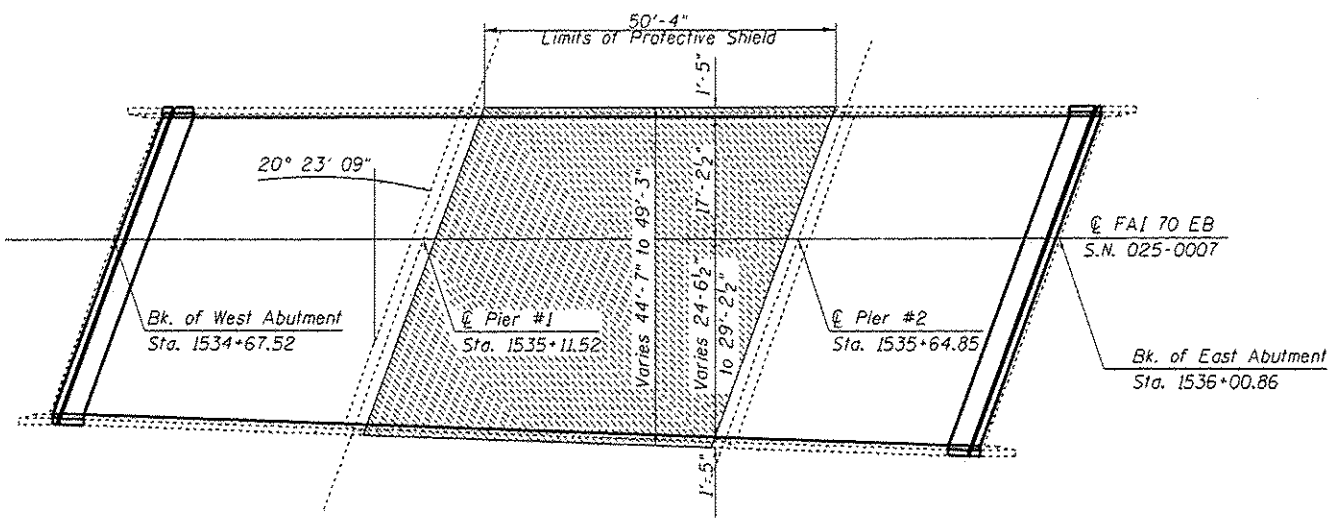
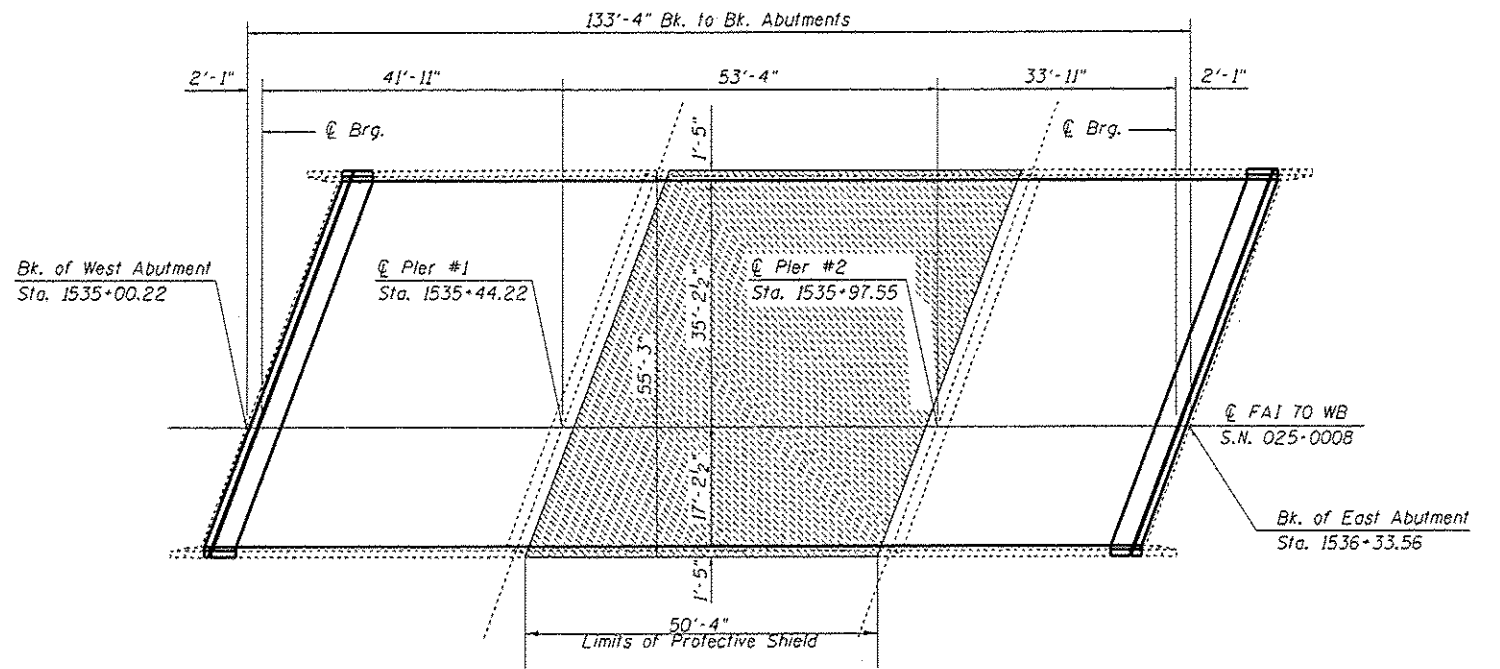
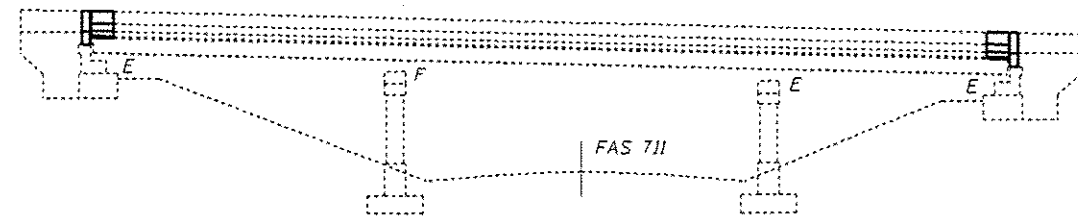
The deck surface shall have its final finish lined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructures.

BRIDGE DECK GROOVING (LONGITUDINAL) shall be completed only after DIAMOND GRINDING (BRIDGE SECTION) is complete.

Protective Coat shall be applied to areas of CONCRETE SUPERSTRUCTURES consisting of the front face and top of the parapet and wingwall and the top surface of the expansion joint blockouts.

Synthetic fibers should be added to the Bridge Deck Fly Ash or GGBF Slag Overlay, 2 1/4". See Special Provisions.

Pinning temporary concrete barrier shall not be permitted on bridge decks. Barriers to be pinned on approach pavements.



David Carl Puzey 5/15/17
Exp. 11/30/18

FILE NAME =	USER NAME = staffform	DESIGNED - KLB	REVISED - S. Kossel 9/21/16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION AND GENERAL NOTES SN. 025-0007 (EB) & SN. 025-0008 (WB)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\1184\EB\INTG\Illinois.gov\PI\DOT\Documents\DOT Office\District 7\Projects\74664\B774664-structures-2\B774664-Design - S. Kossel 12/15/16	PROJECT = 74664	CHECKED - MEA	REVISED - S. Kossel 12/15/16			70	125-1,21R	EFFINGHAM	496	193	
PLOT SCALE = 40.0000 1/1 in.	CHECKED - MEA	DATE - 12/24/2013	REVISED - D. Mocklin 1/09/17			CONTRACT NO. 74664		ILLINOIS FED. AID PROJECT			
Default	PLOT DATE = 3/23/2017	DATE - 12/24/2013	REVISED - --			SCALE: SHEET 1 OF 28 SHEETS STA. TO STA.					

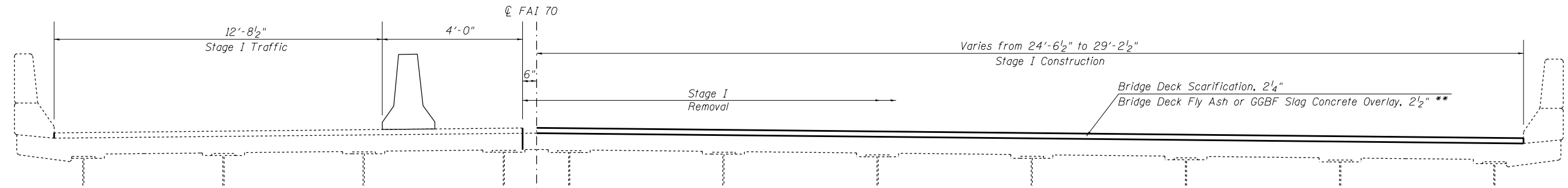
TOTAL BILL OF MATERIALS

SN. 025-0007 (EB)

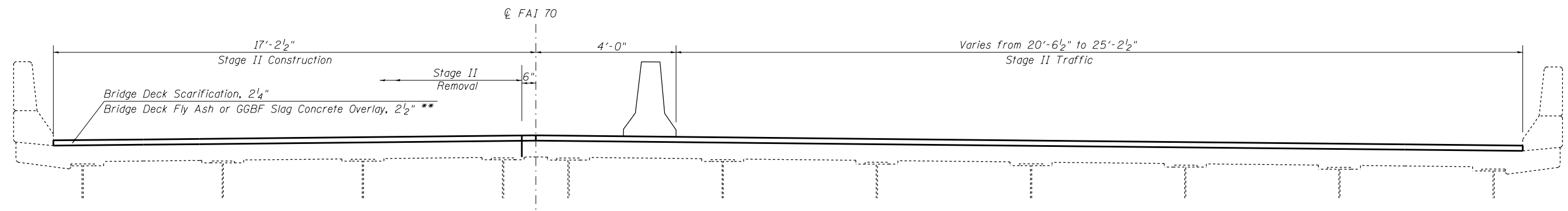
ITEM	UNIT	QUANTITY
Concrete Removal	Cu Yd	15.5
Concrete Superstructure	Cu Yd	15.8
Reinforcement Bars, Epoxy Coated	Pound	52,730
Bar Splicers	Each	306
Preformed Joint Strip Seal	Foot	98.5
Bridge Deck Scarification, 2 1/4"	Sq Yd	610
Bridge Deck Fly Ash or GGBF Slag Concrete Overlay, 2 1/2"	Sq Yd	610
Bridge Deck Grooving (Longitudinal)	Sq Yd	654
* Protective Coat	Sq Yd	53
Structural Repair of Concrete (Depth <5")	Sq Ft	42.8
Deck Slab Repair (Full Depth, Type I)	Sq Yd	1
Deck Slab Repair (Full Depth, Type II)	Sq Yd	19
Elastomeric Bearing Assembly, Type I	Each	9
Elastomeric Bearing Assembly, Type II	Each	9
Jack and Remove Existing Bearings	Each	18
Furnishing and Erecting Structural Steel	Pound	1990
Anchor Bolts, 1"φ	Each	36
Concrete Structures	Cu Yd	42
Protective Shield	Sq Yd	262
Diamond Grinding (Bridge Section)	Sq Yd	861
Concrete Superstructure (Approach Slab)	Cu Yd	125.9

* New concrete areas adjacent to joint overlay.

** Overlay Thickness Prior to 1/4" Diamond Grinding



STAGE I - EASTBOUND LOOKING EAST



STAGE II- EASTBOUND LOOKING EAST

FILE NAME =	USER NAME = steffenmk	DESIGNED - KLB	REVISED - S. Kassel 9/20/16
pw:\IL\084EBID\TEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 7\Projects\74664\Drawings\CAD\Sheet\74664-structures-02\BOM.dgn	PROJECT = SN. 025-0007 (EB)	DATE = 12/24/2013	REVISED - S. Kassel 12/15/16
Default	PLOT SCALE = 48.0000' / in.	CHECKED - MEA	REVISED - D. Macklin 1/09/17
	PLOT DATE = 3/23/2017	DATE - 12/24/2013	REVISED - --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BILL OF MATERIALS & STAGE CONSTRUCTION
SN. 025-0007 (EB)**

SCALE: SHEET 2 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	194
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	

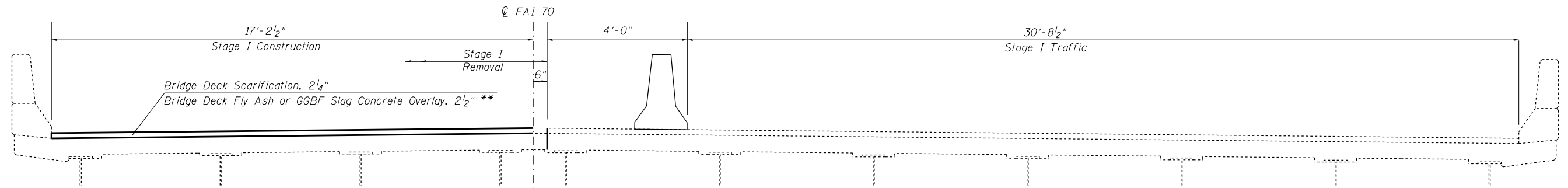
TOTAL BILL OF MATERIALS

SN. 025-0008 (WB)

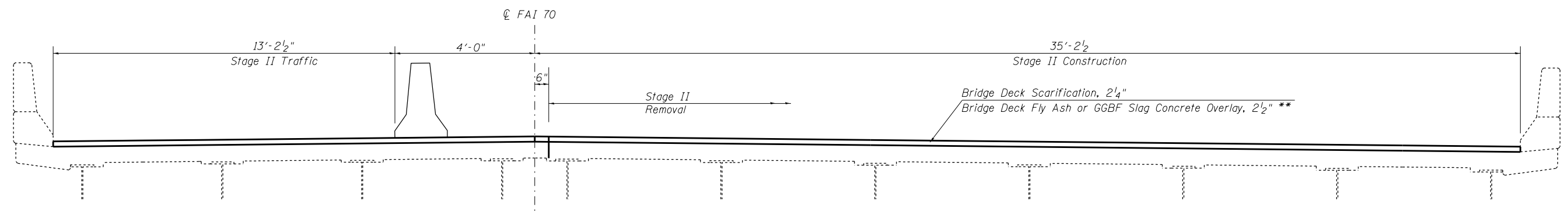
ITEM	UNIT	QUANTITY
Concrete Removal	Cu Yd	20.2
Concrete Superstructure	Cu Yd	20.6
Reinforcement Bars, Epoxy Coated	Pound	55,080
Bar Splicers	Each	306
Preformed Joint Strip Seal	Foot	116.5
Bridge Deck Scarification, 2 1/4"	Sq Yd	726
Bridge Deck Fly Ash or GGBF Slag Concrete Overlay, 2 1/2"	Sq Yd	726
Bridge Deck Grooving (Longitudinal)	Sq Yd	749
* Protective Coat	Sq Yd	61
Structural Repair os Concrete (Depth <5")	Sq Ft	42.6
Deck Slab Repair (Full Depth, Type I)	Sq Yd	1
Deck Slab Repair (Full Depth, Type II)	Sq Yd	47
Elastomeric Bearing Assembly, Type I	Each	11
Elastomeric Bearing Assembly, Type II	Each	11
Jack and Remove Existing Bearings	Each	22
Furnishing and Erecting Structural Steel	Pound	2,380
Anchor Bolts, 1"Ø	Each	44
Concrete Structures	Cu Yd	52.5
Diamond Grinding (Bridge Section)	Sq Yd	1040
Protective Shield	Sq Yd	309
Concrete Superstructure (Approach Slab)	Cu Yd	145

* New concrete areas adjacent to joint overlay.

** Overlay Thickness Prior to 1/4" Diamond Grinding



STAGE I - WESTBOUND LOOKING WEST



STAGE II - WESTBOUND LOOKING WEST

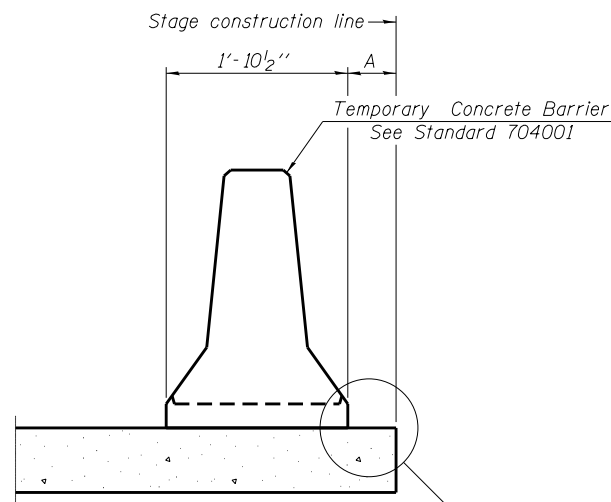
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Default	PLOT SCALE = 48.0000' / in.	CHECKED - MEA	REVISED - D. Macklin 1/09/17
	PLOT DATE = 3/23/2017	DATE - 12/24/2013	REVISED - --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BILL OF MATERIALS & STAGE CONSTRUCTION
SN. 025-0008 (WB)**

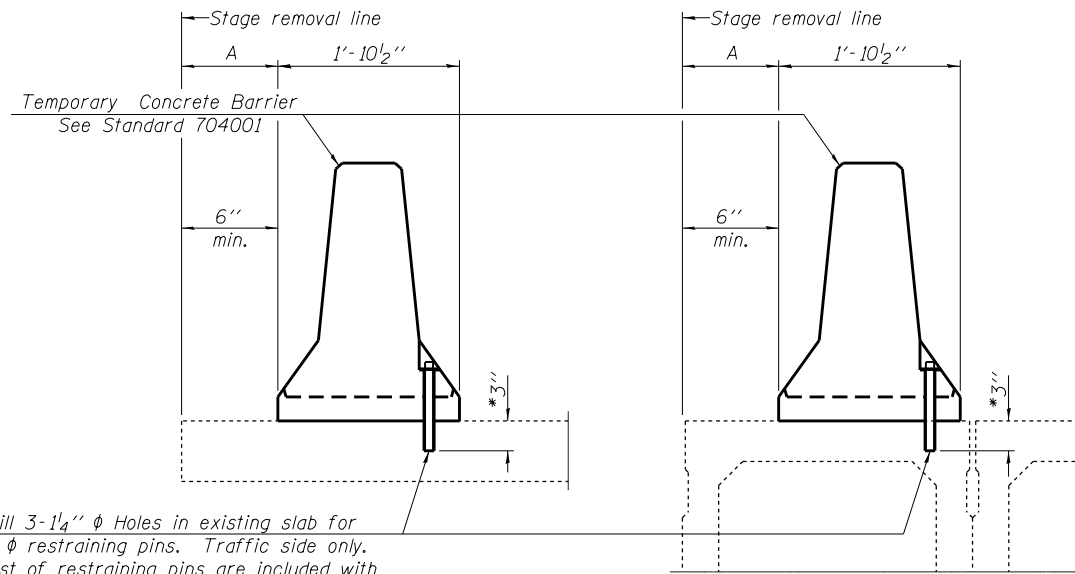
SCALE: SHEET 3 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	195
CONTRACT NO. 74664			ILLINOIS FED. AID PROJECT	



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

NEW SLAB OR NEW DECK BEAM

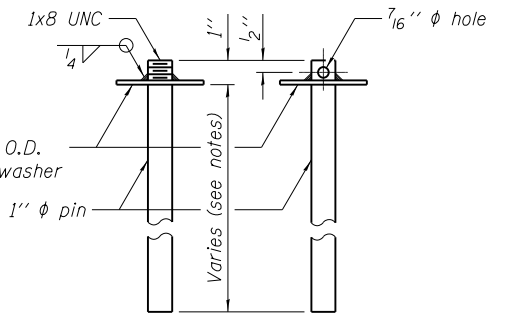


Drill 3-1/4" ϕ Holes in existing slab for 1" ϕ restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

EXISTING DECK BEAM

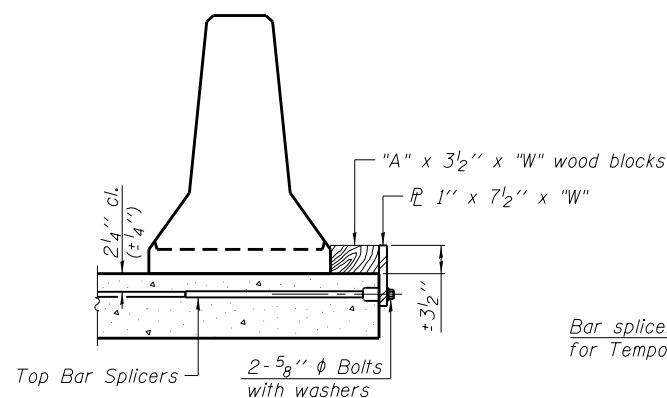
SECTIONS THRU SLAB OR DECK BEAM



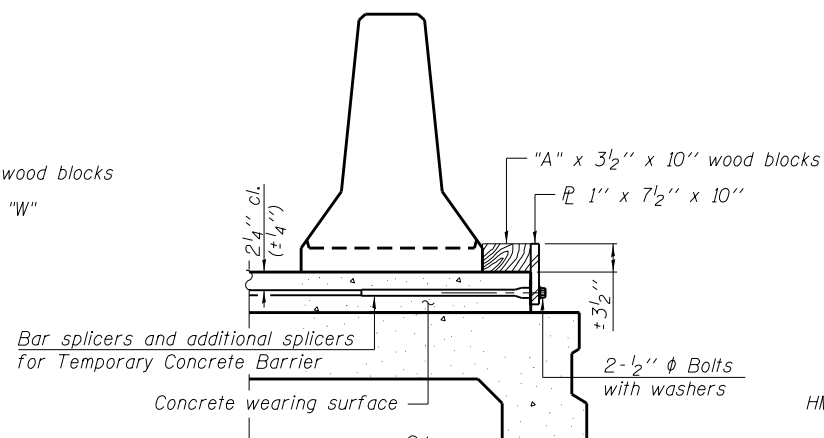
US Std. 1 1/16" I.D. x 2 1/2" O.D. x approx. 8 gauge thick washer

RESTRAINING PIN

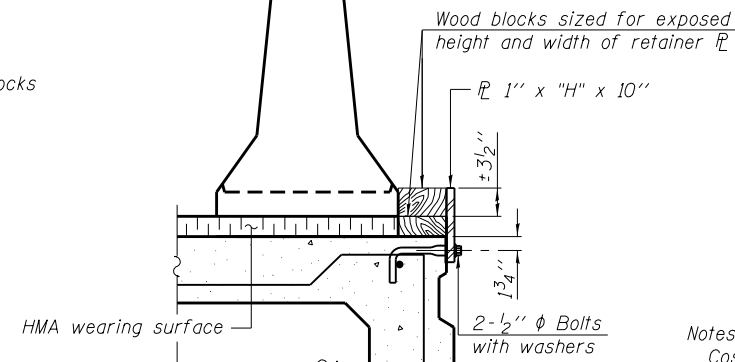
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.



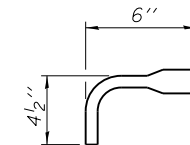
DETAIL I



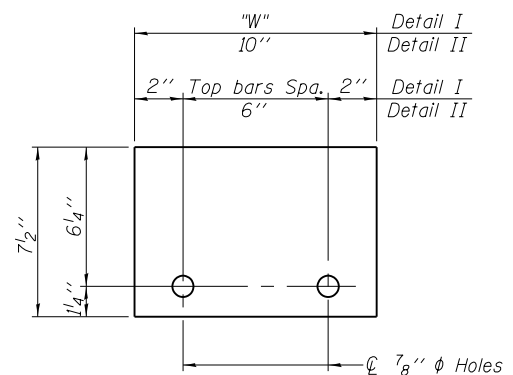
DETAIL II



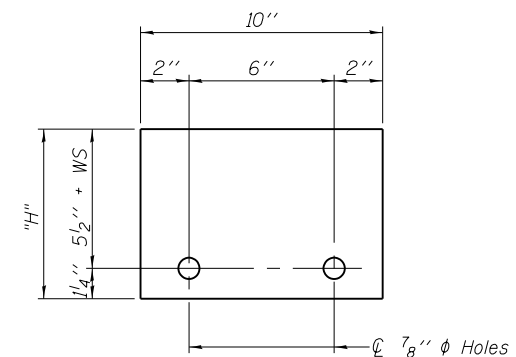
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



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



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

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

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

R-27

11-22-2016

FILE NAME =	USER NAME = steffennk	DESIGNED - S. Kassel	REVISED - S. Kassel 12/19/16
pw:\11\084EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 7\Projects\7466\Drawings\CAD\Sheet\Structures\2204001.dgn	DRWN - S. Kassel	CHECKED - D. Macklin	REVISED -
Default	PLOT DATE = 3/23/2017	DATE - 10/13/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 025-0007 (EB) & 025-0008 (WB)**

SCALE: SHEET 4 OF 28 SHEETS STA. TO STA.

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	196
CONTRACT NO. 74664				
ILLINOIS FED. AID PROJECT				

BILL OF MATERIAL

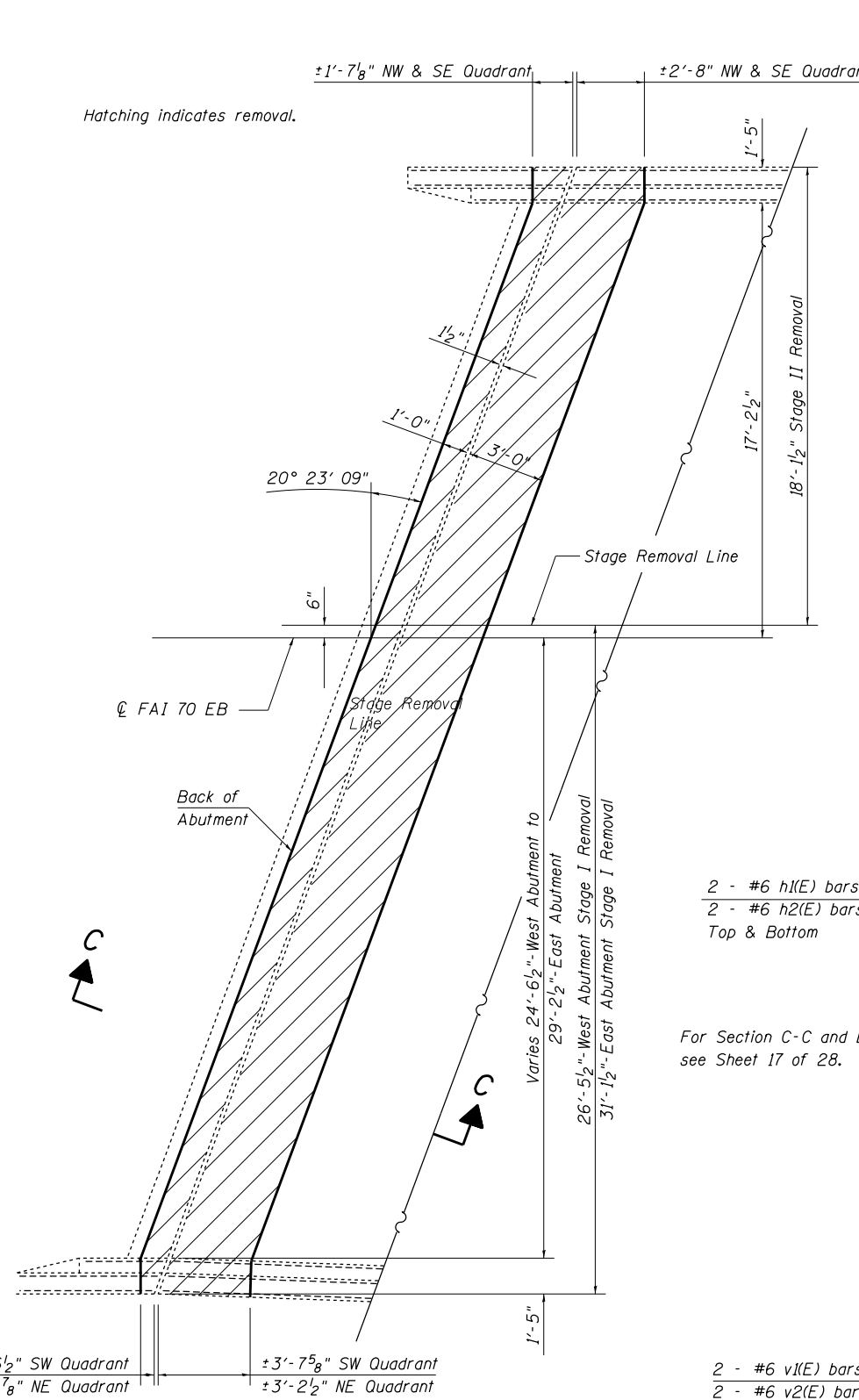
WEST ABUTMENT

BAR	NUMBER OF BARS		TOTAL	SIZE	LENGTH	SHAPE	
	STAGE I	STAGE II					
a1(E)	12		12	#5	27'-4"	—	
a3(E)		12	12	#5	19'-6"	—	
d2(E)	5	4	9	#4	4'-11"	L	
d3(E)	5	4	9	#5	3'-11"	\	
h1(E)	4		4	#6	27'-4"	—	
h3(E)		4	4	#6	19'-6"	—	
v1(E)	2	2	4	#6	3'-0"	\	
v2(E)	2	2	4	#6	3'-11"	L	
v3(E)	2	2	4	#6	2'-3"		
x1(E)	25	18	43	#5	3'-3"	┘	
REINFORCEMENT BARS (EPOXY COATED)						POUND	1140
CONCRETE REMOVAL						CU YD	8.1
CONCRETE SUPERSTRUCTURE						CU YD	8.3

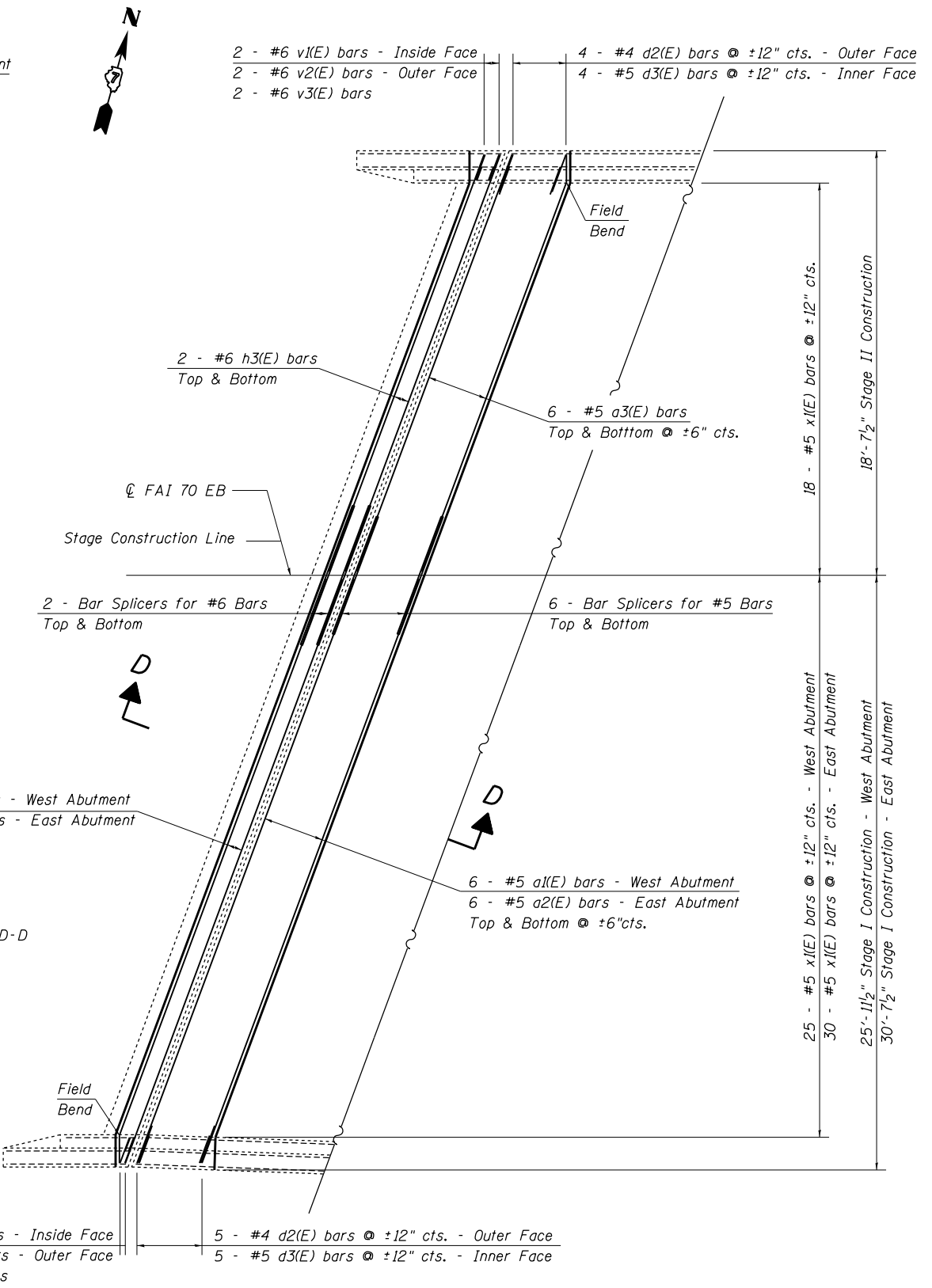
BILL OF MATERIAL

EAST ABUTMENT

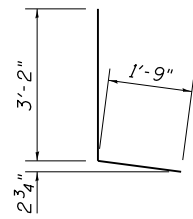
BAR	NUMBER OF BARS		TOTAL	SIZE	LENGTH	SHAPE	
	STAGE I	STAGE II					
a2(E)	12		12	#5	32'-4"	—	
a3(E)		12	12	#5	19'-6"	—	
d2(E)	5	4	9	#4	4'-11"	L	
d3(E)	5	4	9	#5	3'-11"	\	
h2(E)	4		4	#6	32'-4"	—	
h3(E)		4	4	#6	19'-6"	—	
v1(E)	2	2	4	#6	3'-0"	\	
v2(E)	2	2	4	#6	3'-11"	L	
v3(E)	2	2	4	#6	2'-3"		
x1(E)	30	18	48	#5	3'-3"	┘	
REINFORCEMENT BARS (EPOXY COATED)						POUND	1250
CONCRETE REMOVAL						CU YD	7.4
CONCRETE SUPERSTRUCTURE						CU YD	7.5



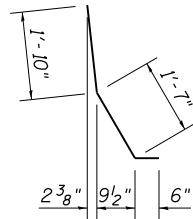
EXISTING PARTIAL PLAN
(West Abutment Shown; East Abutment Similar except where noted)



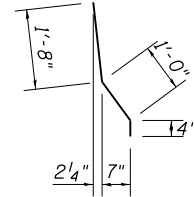
PROPOSED PARTIAL PLAN
(West Abutment Shown; East Abutment Similar except where noted)



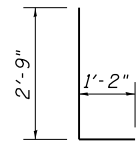
Bar d2(E)



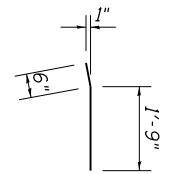
Bar d3(E)



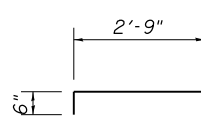
Bar v1(E)



Bar v2(E)



Bar v3(E)

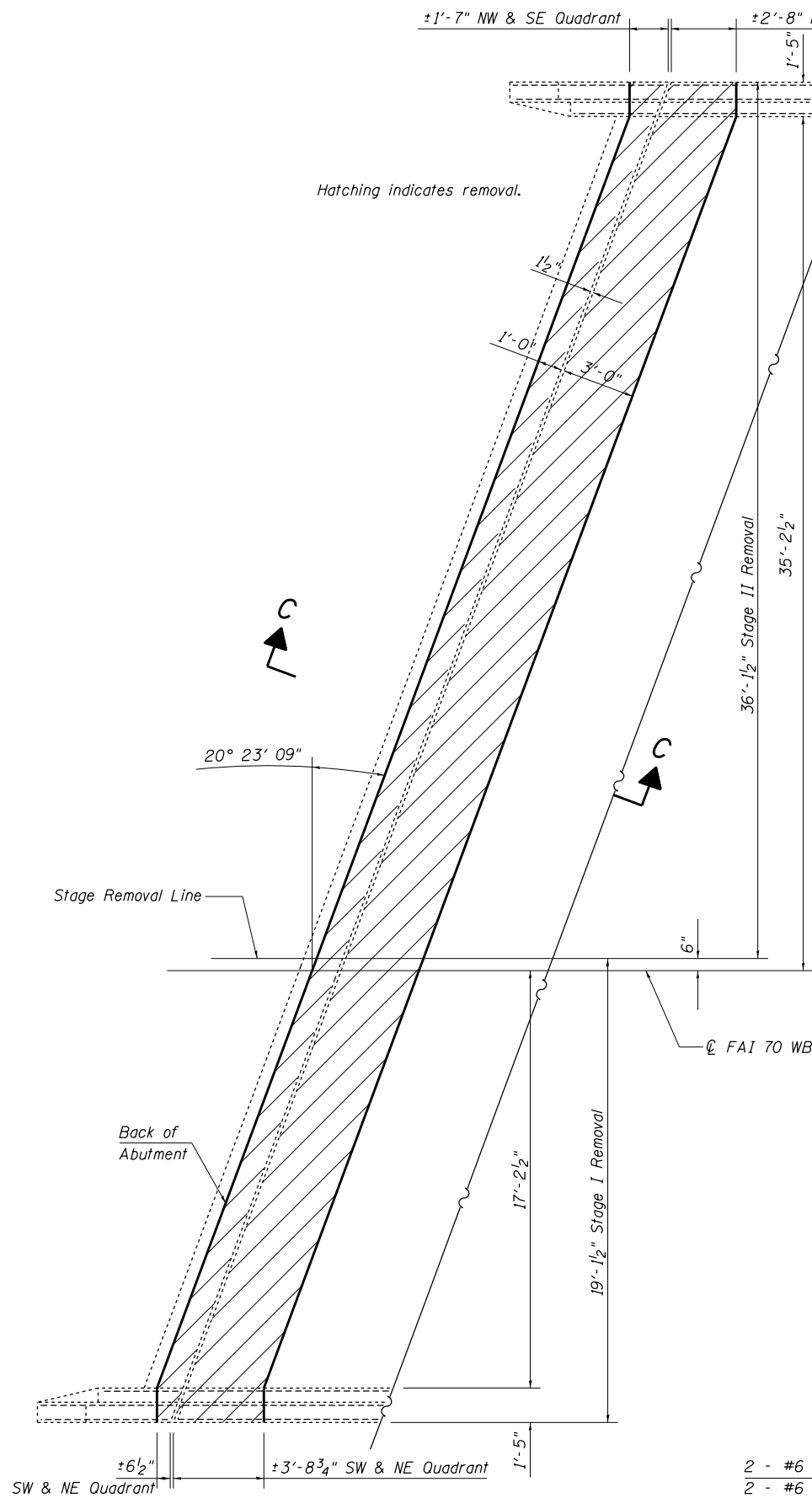


Bar x1(E)

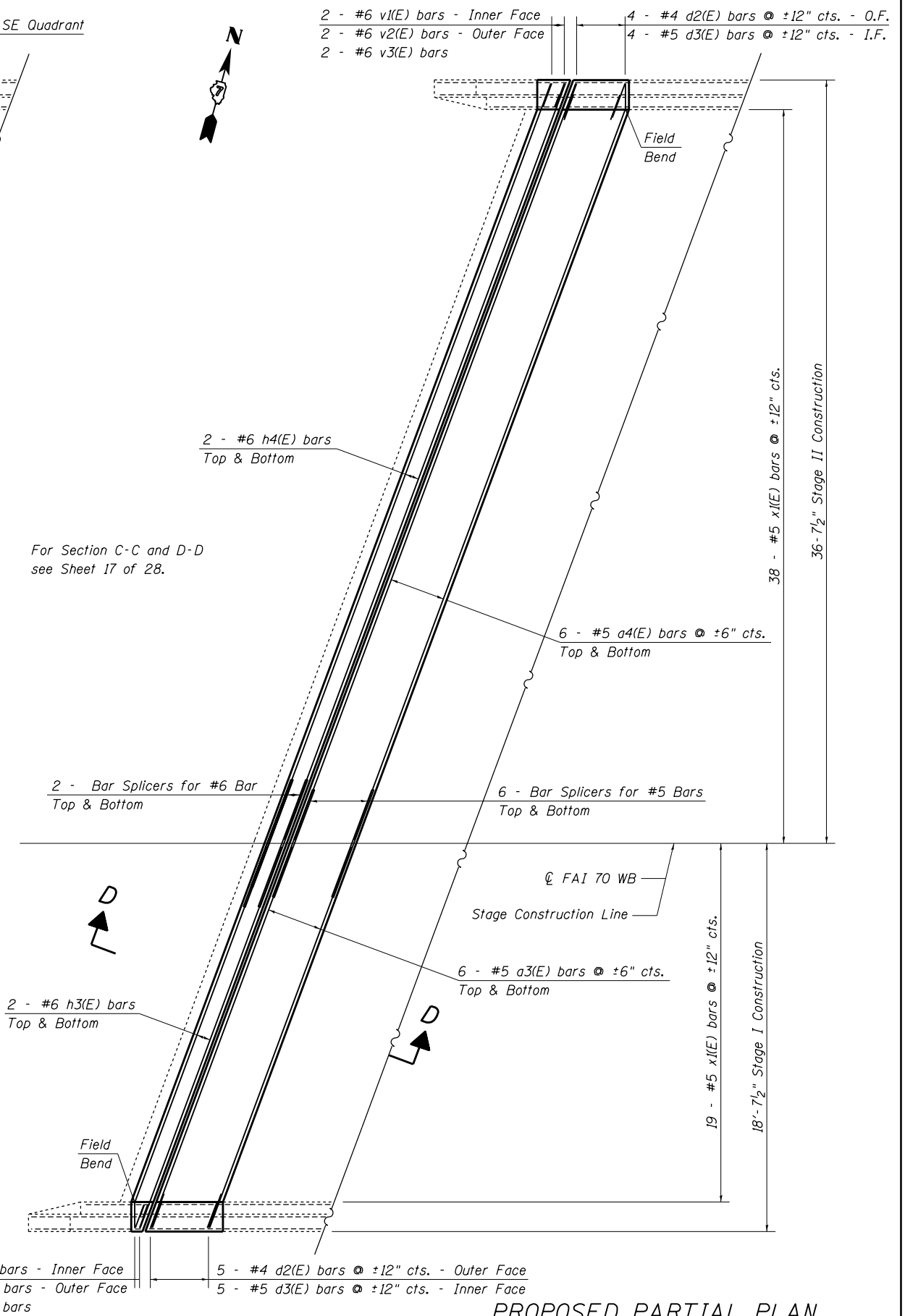
BILL OF MATERIAL

PER ABUTMENT

BAR	NUMBER OF BARS		TOTAL	SIZE	LENGTH	SHAPE
	STAGE I	STAGE II				
a3(E)		12	12	#5	19'-6"	—
a4(E)	12		12	#5	38'-8"	—
d2(E)	4	5	9	#4	4'-11"	L
d3(E)	4	5	9	#5	3'-11"	L
h3(E)		4	4	#6	19'-6"	—
h4(E)	4		4	#6	38'-8"	—
v1(E)	2	2	4	#6	3'-0"	L
v2(E)	2	2	4	#6	3'-11"	L
v3(E)	2	2	4	#6	2'-3"	L
x1(E)	38	19	57	#5	3'-3"	L
REINFORCEMENT BARS (EPOXY COATED)					POUND	1400
CONCRETE REMOVAL					CU YD	10.1
CONCRETE SUPERSTRUCTURE					CU YD	10.3



EXISTING PARTIAL PLAN
(West Abutment Shown; East Abutment Similar)



PROPOSED PARTIAL PLAN
(West Abutment Shown; East Abutment Similar)

FILE NAME =	USER NAME = steffenmk	DESIGNED - KLB	REVISED - S. Kassel 9/22/16
pw:\11084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 7\Projects\74664\Drawings\CAD\Sheet\74664-structures-22\74664-structures-22.dwg	DATE = 12/24/2017	CHECKED - MEA	REVISED - S. Kassel 12/16/16
Default	PLOT DATE = 3/23/2017	DATE - 12/24/2013	REVISED - D. Macklin 1/09/17
			REVISED - --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAILS
SN. 025-0008 (WB)

SCALE: SHEET 8 OF 28 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-1,2)R	EFFINGHAM	496	200
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74664	