

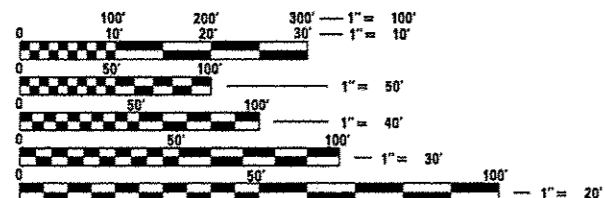
INDEX OF SHEETS

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STANDARDS

701201-04	701501-06
701301-04	701901-03
701306-03	780001-03
701311-03	781001-03

ADT: 6900 (2011)
 PV 91.3%
 SU 6.1%
 MU 2.6%



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

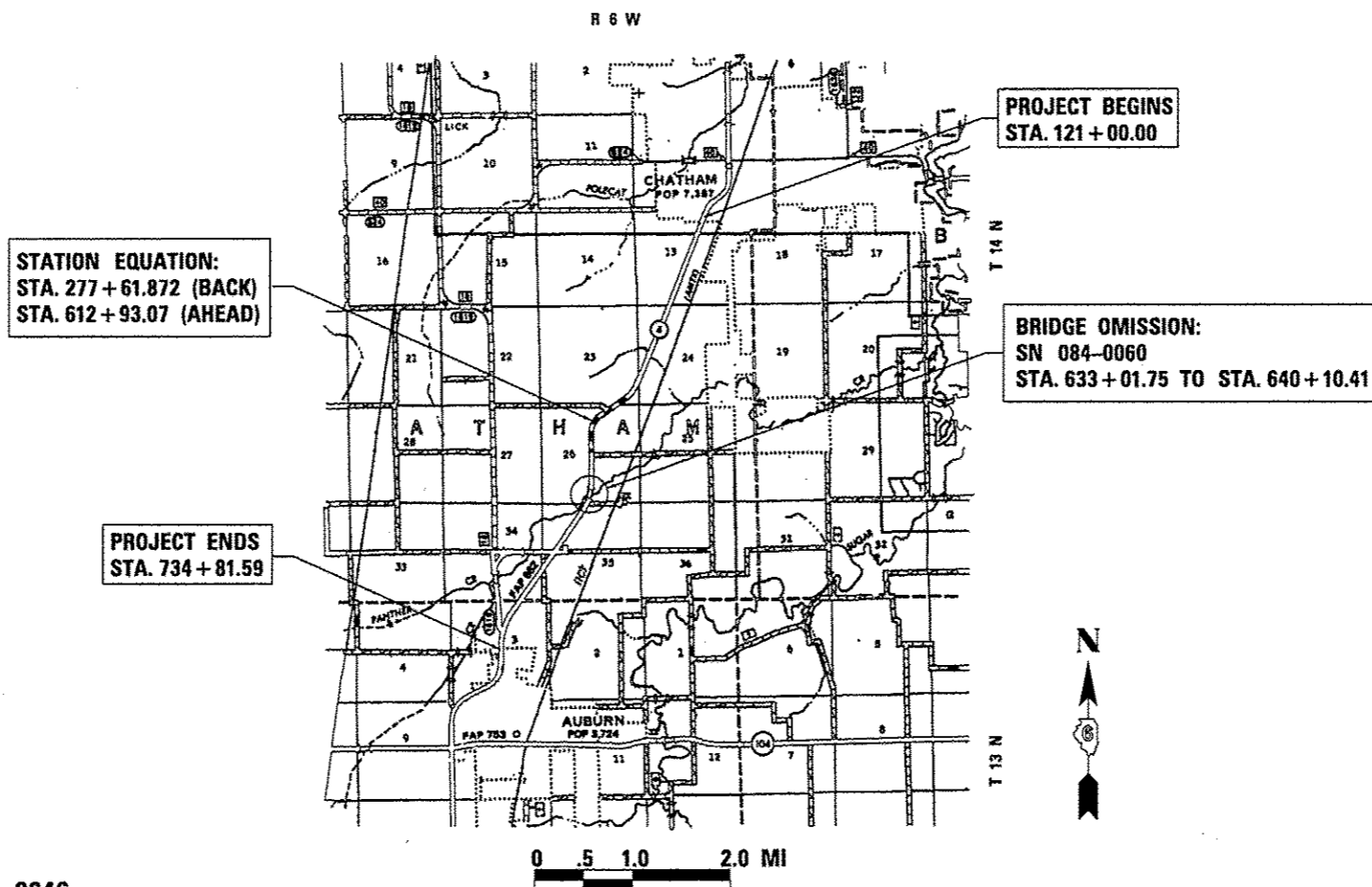
J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

SENIOR TEAM ENGINEER: VINCE MADONIA (217)785-9046
 TEAM ENGINEER: JULIET SHOULTZ (217)785-2739
 CONTRACT NO. 72F72

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

**PROPOSED
 HIGHWAY PLANS**

FAP ROUTE 662 (IL 4)
 SECTION (H)RS-10, (C)RS-9, (P)RS-7
 PROJECT ACF-0662(068)
 PPP RESURFACING, MAINLINE & SHOULDERS
 SANGAMON COUNTY
 C-96-004-13



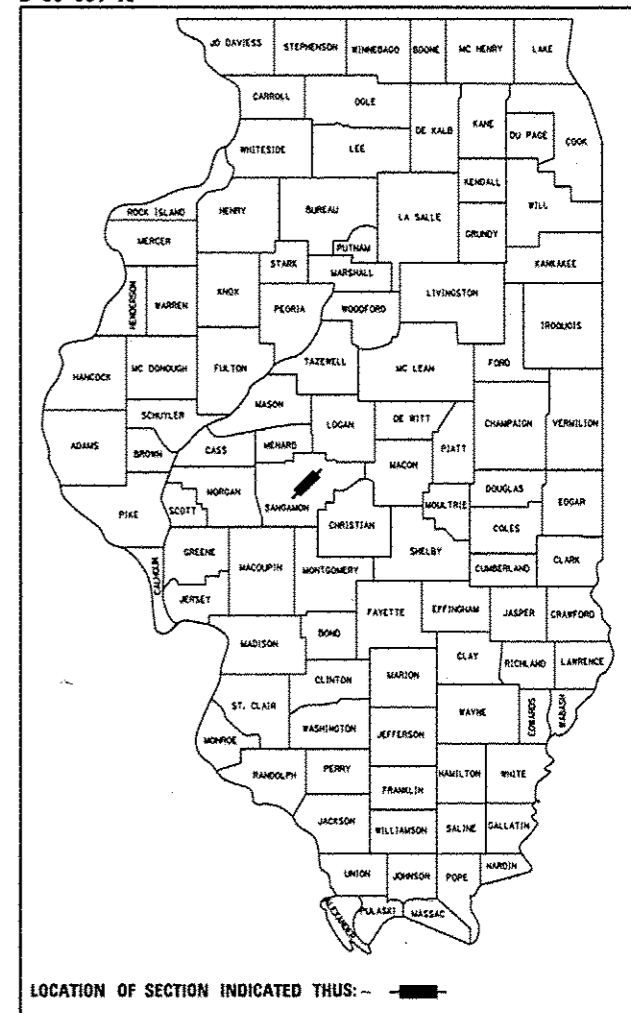
LOCATION MAP

GROSS LENGTH = 28,036.8 FT. = 5.31 MILE
 NET LENGTH = 27,841.8 FT. = 5.27 MILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662		SANGAMON	28	1
		ILLINOIS	CONTRACT NO. 72F72	

* (H)RS-10, (C)RS-9, (P)RS-7
 ** 28+1 = 29

D-96-004-13



LOCATION OF SECTION INDICATED THUS: —

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED October 20 12
Royan L. Driskell
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Dec 7 20 12
John D. Baranzelli, P.E.
 acting ENGINEER OF DESIGN AND ENVIRONMENT

Dec 7 20 12
William R. Frey, Jr.
 acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

NOTES

1. ANY REFERENCE TO A STANDARD IN THE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION, AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS, OR THE COPY OF THE STANDARD INCLUDED IN THE PLANS
2. ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES
3. THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 14 DAYS PRIOR TO VERIFY NO PASSING ZONES AND PLACEMENT OF FINAL PAVEMENT MARKINGS. PHONE: (217) 782-7314
4. THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT CONSIDERED INCLUDED IN THE CONTRACT UNIT BID PRICES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123.
6. BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

COMMITMENTS

1. ALL ENTRANCES SHALL REMAIN ACCESSIBLE BOTH DURING AND AFTER CONSTRUCTION.
3. INFORMATIONAL LETTER TO THE CITY OF CHATHAM & THE CITY OF AUBURN

MIXTURE REQUIREMENTS

MIXTURE USE:	LEVEL BINDER	HMA SURFACE	PATCHING	HMA SHOULDER & INCIDENTAL HMA
PG:	PG64-22	PG64-22	PG64-22	PG64-22
Design Air Voids:	4.0% @ N70	4.0% @ N70	4.0% @ N70	4.0% @ N50
Mixture Composition:	IL 9.5	IL 9.5 or 12.5	IL 19.0	IL 9.5 or 12.5
Friction Aggregate:	N/A	MIX D	N/A	MIX C

DISTRICT SIX	
EXAMINED <u>10/15</u> 20 <u>12</u>	
<i>Bill B...</i>	
OPERATIONS ENGINEER	
EXAMINED <u>Oct 14</u> 20 <u>12</u>	
<i>Tommy F...</i>	
PROJECT IMPLEMENTATION ENGINEER	
EXAMINED <u>October 11</u> 20 <u>12</u>	
<i>Laura R. McManis</i>	
PROGRAM DEVELOPMENT ENGINEER	

CODE NO.	ITEM	UNIT	80% FEDERAL 20% STATE 0005	L24E	L25E
			TOTAL QUANTITY	STP RURAL	STP URBAN
20400800	FURNISHED EXCAVATION	CU YD	80	80	
* 25000200	SEEDING, CLASS 2	ACRE	0.02	0.02	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1.80	1.80	
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1.80	1.80	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1.80	1.80	
* 25000700	AGRICULTURAL GROUND LIMESTONE	TON	0.04	0.04	
35800100	PREPARATION OF BASE	SO YD	3,495	2,635	860
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	88	75	13
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	66	63	3
40600300	AGGREGATE (PRIME COAT)	TON	154	147	7
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	4,082	3,894	188
40600895	CONSTRUCTING TEST STRIP	EACH	2	1	1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	3,365	2,491	874
40600990	TEMPORARY RAMP	SO YD	142	106	36

* SPECIALTY
ITEM

FILE NAME :	USER NAME : sparksg	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\sparksg\d0313593\067	F72-shr-500.dgn	DRAWN -	REVISED -					662		SANGAMON	28	3
Default	PLOT SCALE * 100.0000 / / in.	CHECKED -	REVISED -		SCALE:	SHEET 1	OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 72F72	
	PLOT DATE * Oct-19-2012 01:06:52PM	DATE -	REVISED -									

CODE NO.	ITEM	UNIT	80% FEDERAL 20% STATE 0005	L24E	L25E
			TOTAL QUANTITY	STP RURAL	STP URBAN
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	6,195	5,972	223
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	426	315	111
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SO YD	120	120	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	3,279	3,243	36
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1,969	1,816	153
50800105	REINFORCEMENT BARS	POUND	184	184	
54002020	EXPANSION BOLTS 3/4 INCH	EACH	32	32	
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	4	4	
54248510	CONCRETE COLLAR	CU YD	3	3	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	5	1
67100100	MOBILIZATION	L SUM	1	0.9	0.1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	

FILE NAME *	USER NAME * sparkag	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pvidot\sparkag\0313593\067	F72-shr-500.dgn	DRAWN -	REVISED -					662	*	SANGAMON	28	4
Default	PLT SCALE * 100.0000 / in.	CHECKED -	REVISED -		SCALE:	SHEET 2	OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 72F72		
	PLT DATE * Oct-19-2012 01:06:52PM	DATE -	REVISED -		*HRS-10, (CIRS-9, (PIRS-7							

			80% FEDERAL 20% STATE 0005	L24E	L25E
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	STP RURAL	STP URBAN
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	8,297	7,998	299
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	922	889	33
* 78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	63,148	59,011	4,137
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	691	666	25
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	691	666	25
542C0235	PIPE CULVERTS, CLASS C, TYPE 1 30"	FOOT	16	16	
X0326898	CENTER LINE - RUMBLE STRIP - 16"	FOOT	4,120	4,120	
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	97,190	92,715	4,475

*SPECIALTY
ITEM

MAINLINE RESURFACING											
STA to STA		LENGTH	PAVEMENT WIDTH	PAVEMENT AREA	BIT. MATL PRIME COAT	AGG. PRIME COAT	HMA SURFACE	HMA SURF REM VAR DEPTH	LEVELING BINDER	BUTT JOINT	TEMP RAMPS
		(FT)	(FT)	(SY)	(TON)	(TON)	(TON)	(SY)	(TON)	(SY)	(SY)
121+00	130+96	996	24	2,656	2.0	5.3	223	2,656	112	80	36
130+96	277+62	14,666	24	39,109	29.7	78.2	3,285	39,109	1,643	--	--
STA. EQN: 277+61.87(BK) = 612+93.07(AH)											
612+93	635+55	2,262	24	6,032	4.6	12.1	507	6,032	253	--	--
			--	--	--	--	--	--	--	80	36
BRIDGE OMISSION: 635+55 TO 637+50											
			--	--	--	--	--	--	--	80	36
637+50	734+82	9,732	24	25,951	19.7	51.9	2,180	25,951	1,090	80	36
TOTAL		27,655		73,748	56	147	6,195	73,748	3,097	320	142

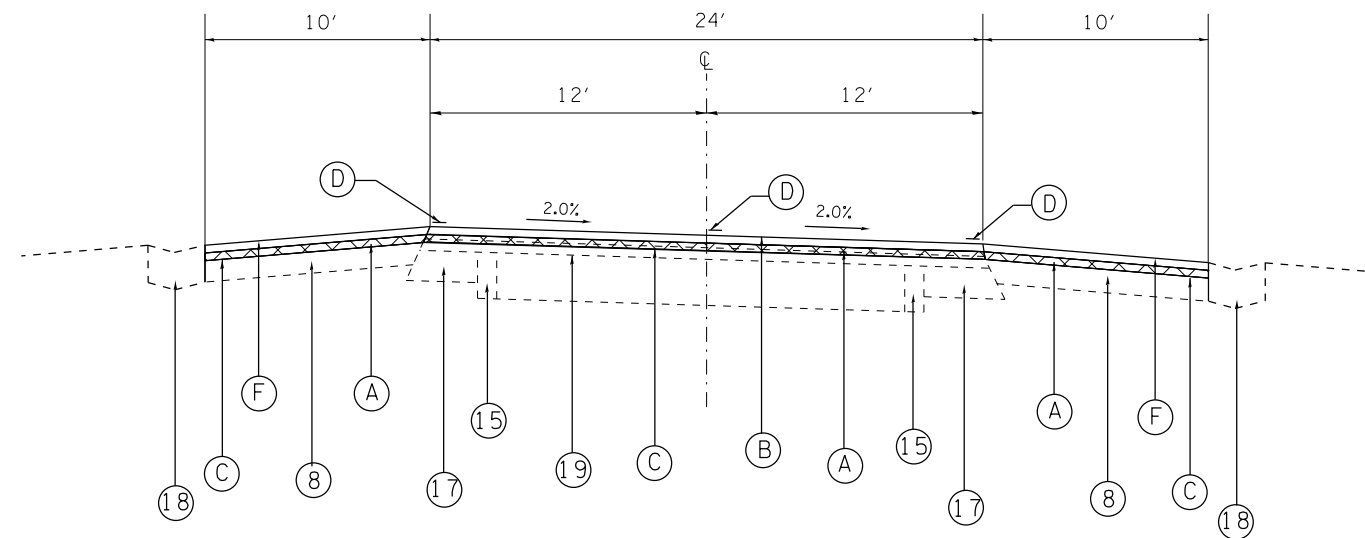
SHOULDERS									
STA to STA		LENGTH	HMA SHDR WIDTH	AGG SHDR WIDTH	BIT. MATL PRIME COAT	HMA SHLDR. REM.	AGG SHOULDER	LEVELING BINDER	HMA SHOULDER
		(FT)	(FT)	(FT)	(TON)	(SY)	(TON)	(TON)	(TON)
121+00	128+00	700	10	--	0.6	1,556	--	65	131
128+00	130+96	296	4	3	0.1	263	36	11	22
130+96	277+62	14,666	4	3	5.0	13,036	1,784	548	1,095
STA. EQN: 277+61.87(BK) = 612+93.07(AH)									
612+93	618+29	536	4	3	0.2	476	65	20	40
618+29	633+00	1,471	3	3	0.4	981	179	41	82
633+00	635+55	255	8	3	0.2	453	31	19	38
BRIDGE OMISSION: 635+55 TO 637+50									
637+50	639+20	170	8	3	0.1	302	21	13	25
639+20	734+82	9,562	3	3	2.4	6,374	1,163	268	535
TOTAL		27,655			9	23,442	3,279	985	1,969

PAVEMENT MARKING									
STA to STA		LENGTH	SHORT TERM PAV MKG	WORK ZONE PAV MKG REM	5" MODIFIED URETHANE			RAISED REFL PAV MKG REM	RAISED REFL PAV MKG
		(FT)	(FT)	(SQ FT)	EDGELINE	CENTERLINE	SKIP DASH	(EACH)	(EACH)
121+00	130+96	996	299	33	1992	2112	33	25	25
130+96	277+62	14,666	4400	489	29332	2112	489	367	367
STA. EQN: 277+61.87(BK) = 612+93.07(AH)									
612+93	635+55	2,262	679	75	4524	1731	65	57	57
635+55	637+50	195	--	--	390	390	--	--	--
637+50	734+82	9,732	2919	324	19463	200	315	243	243
TOTAL		27,850	8,297	922	55,701	6,545	902	691	691

CULVERT EXTENSION					
LOCATION	PIPE CULVERT, CLASS, C TY I 30"	CONCRETE COLLAR	REINFORCEMENT BARS	EXPANSION BOLTS 3/4 "	FLARED END SECTIONS 30"
	(FT)	(CU YD)	(POUND)	(EACH)	(EACH)
708+99.36	8	1.50	92	16	2
722+48.37	8	1.50	92	16	2
TOTAL	16	3.00	184	32	4

CENTER LINE RUMBLE STRIP - 16"		
STA to STA		(FT)
227+81	269+02	4,120

ENTRANCE IMPROVEMENTS												
LOCATION	TYPE OF ENTRANCE	MATERIAL TYPE	WIDTH (EDGE OF PAVEMENT)	WIDTH (ENTRANCE WIDTH)	LENGTH (EOP/BIT SHLD TO LIMITS OF IMPRVMT)	AREA	PREP. OF BASE	HMA SURF REM. - BUTT JOINT	BIT MATLS (P.C.)	AGG (P.C.)	INCIDENTAL BIT.SURF.	AGG. SURF CRSE. TYPE B
(LT / RT) (STA) (+)	(FE / PE / CE)	(EXISTING)	FOOT	FOOT	FOOT	SQ. YD.	SQ. YD.	SQ. YD.	TON	TON	TON	TON
LT STA. 122+00	CE	HMA	100	46	74	600	600	600	0.23	1.20	84	--
LT STA. 125+00	CE	HMA	100	40	25	194	194	194	0.07	0.39	27	--
LT STA. 128+30	PE	AGG	54	24	15	65	65	--	0.02	0.13	--	13
LT STA. 135+10.76	PE	AGG	54	24	15	65	65	--	0.02	0.13	--	13
LT STA. 154+34.85	PE	HMA	54	24	15	65	65	65	0.02	0.13	9	--
LT STA. 163+58.34	PE	HMA	60	17	25	107	107	107	0.04	0.21	15	--
RT STA. 208+43.33	PE	AGG	51	19	20	78	78	--	0.03	0.16	--	15
RT STA. 210+89.28	PE	AGG	51	19	20	78	78	--	0.03	0.16	--	15
RT STA. 248+89.05	ALPHA RD.	HMA	100	20	35	233	233	233	0.09	0.47	33	--
LT STA. 267+77.89	FE	HMA	54	24	15	65	65	65	0.02	0.13	9	--
RT STA. 268+55.92	PE	HMA	60	27	20	97	97	97	0.04	0.19	14	--
RT STA. 277+48.50	PE	HMA	35	19	20	60	60	60	0.02	0.12	8	--
LT STA. 277+61.87	OSTERMEIER RD.	HMA	85	45	17	123	123	123	0.05	0.25	17	--
LT STA. 626+00.00	PE	HMA	67	45	17	106	106	106	0.04	0.21	15	--
LT STA. 639+50	CE	HMA	87	22	40	242	242	242	0.09	0.48	34	--
LT STA. 647+50	MAILBOX	HMA	40	20	10	33	33	33	0.01	0.07	5	--
RT STA. 648+00	PE	AGG	68	16	22	103	103	--	0.04	0.21	--	20
LT STA. 654+50	MAILBOX	HMA	44	24	7	26	26	26	0.01	0.05	4	--
RT STA. 654+80	PE	HMA	40	22	20	69	69	69	0.03	0.14	10	--
RT STA. 657+50	PE	HMA	32	13	25	63	63	63	0.02	0.13	9	--
LT STA. 671+50	HAMBURGH RD. FE	HMA	100	20	20	133	133	133	0.05	0.27	19	--
RT STA. 672+00	SNELL RD. FE	HMA	94	20	51	323	323	323	0.12	0.65	45	--
RT STA. 681+50	GILMORE RD. NORTH	HMA	100	22	25	169	169	169	0.06	0.34	24	--
LT STA. 684+20	GILMORE RD. SOUTH	HMA	100	22	25	169	169	169	0.06	0.34	24	--
RT STA. 688+70	PE	AGG	35	20	20	61	61	--	0.02	0.12	--	12
RT STA. 723+50	CURRAN RD	HMA	100	20	25	167	167	167	0.06	0.33	23	--
TOTALS							3,495	3,045	1	7	426	88



STA 121+00 TO STA 128+00

NOTE:
SEE HIGHWAY STD. 6420006, SCHEDULES OF QUANTITIES,
AND SHEET 23 FOR PLACEMENT OF PROPOSED CENTERLINE
RUMBLE STRIPS.

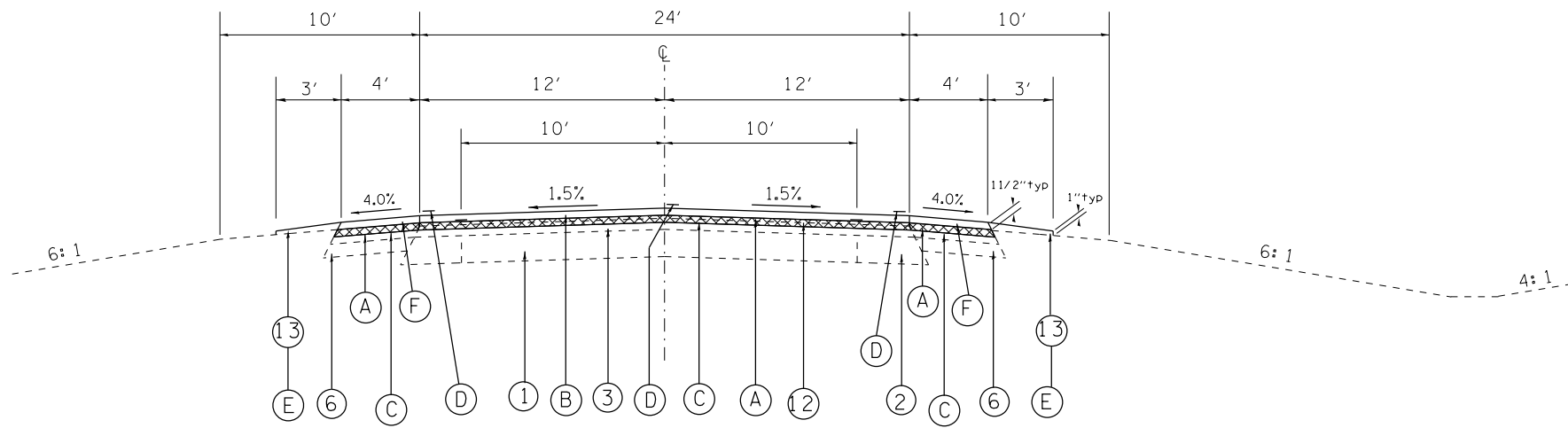
EXISTING LEGEND

- ① EX PCC PAVEMENT (8'')
- ② EX BIT. BASE COURSE WIDENING (8'' & VAR.)
- ③ EX BIT. OVERLAY (3'')
- ④ EX BIT. OVERLAY (2-1/2'')
- ⑤ EX BRICK SURFACING
- ⑥ EX 8'' SHOULDER (BAM)
- ⑦ EX PCC BASE COURSE WIDENING (8'')
- ⑧ EX HOT-MIX ASPHALT SHOULDER 8''
- ⑨ EX BIT BASE COURSE (8'' & VAR.)
- ⑩ EX SUB-BASE GRANULAR MATERIAL
- ⑪ EX GRANULAR EMBANKMENT SPECIAL-THICKNESS VAR.
- ⑫ EX RALUMAC MICRO-SURFACING
- ⑬ EX AGG SHOULDER, TYPE B
- ⑭ EX CONCRETE PAVEMENT
- ⑮ EX CONCRETE WIDENING
- ⑯ EX HMA OVERLAY, 2''
- ⑰ EX HMA WIDENING, 9''
- ⑱ EX CONCRETE GUTTER, TY B (SPECIAL)
- ⑲ EX HMA OVERLAY, 5 1/2 & VARIABLE

PROPOSED LEGEND

- Ⓐ PROP LEVELING BINDER (MACHINE METHOD),
N70 (3/4'')
- Ⓑ PROP HOT-MIX ASPHALT SURFACE COURSE,
MIX "D", N70 (1-1/2'')
- Ⓒ PROP HMA SURFACE REMOVAL VAR. DEPTH, 3/4'' TYP
- Ⓓ PROP MODIFIED URETHANE PAV'T MARKING - LINE 5''
- Ⓔ PROP AGG SHOULDER, TYPE B
- Ⓕ PROP HOT - MIX ASPHALT SHOULDER (AVG. DEPTH = 1 1/2'')

FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Plot Scale = 100.0000' / in.	DRAWN -	REVISED -				662	*	SANGAMON	28	7
	PLOT DATE = Oct-19-2012 01:00:32PM	CHECKED -	REVISED -		SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.		CONTRACT NO. 72F72		ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -		*(HRS-10, (CRS-9, (PRS-7						



STA 128+00 TO STA 208+05
 STA 213+09 TO STA 223+40
 STA 275+87 TO STA 277+61.872

STATION EQUATION
 STA 277+61.872 (BK) TO STA 612+93.070 (AH)
 STA 612+93.07 TO STA 618+29.13

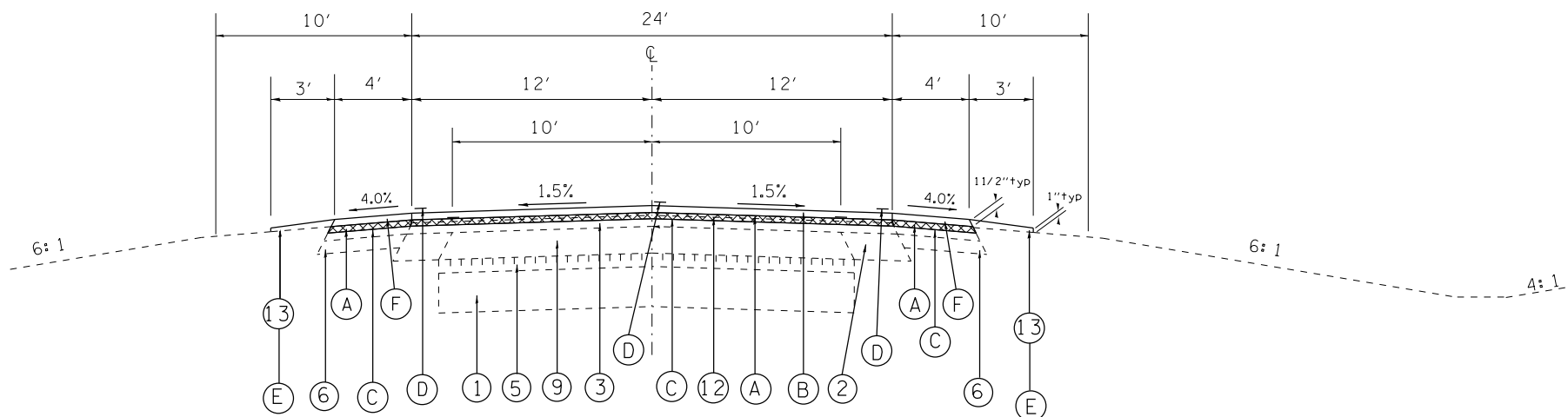
NOTE:
 SEE HIGHWAY STD. 6420006, SCHEDULES OF QUANTITIES,
 AND SHEET 23 FOR PLACEMENT OF PROPOSED CENTERLINE
 RUMBLE STRIPS.

EXISTING LEGEND

- ① EX PCC PAVEMENT (8'')
- ② EX BIT. BASE COURSE WIDENING (8'' & VAR.)
- ③ EX BIT. OVERLAY (3'')
- ④ EX BIT. OVERLAY (2-1/2'')
- ⑤ EX BRICK SURFACING
- ⑥ EX 8'' SHOULDER (BAM)
- ⑦ EX PCC BASE COURSE WIDENING (8'')
- ⑧ EX HOT-MIX ASPHALT SHOULDER 8''
- ⑨ EX BIT BASE COURSE (8'' & VAR.)
- ⑩ EX SUB-BASE GRANULAR MATERIAL
- ⑪ EX GRANULAR EMBANKMENT SPECIAL-THICKNESS VAR.
- ⑫ EX RALUMAC MICRO-SURFACING
- ⑬ EX AGG SHOULDER, TYPE B
- ⑭ EX CONCRETE PAVEMENT
- ⑮ EX CONCRETE WIDENING
- ⑯ EX HMA OVERLAY, 2''
- ⑰ EX HMA WIDENING, 9''
- ⑱ EX CONCRETE GUTTER, TY B (SPECIAL)
- ⑲ EX HMA OVERLAY, 5 1/2 & VARIABLE

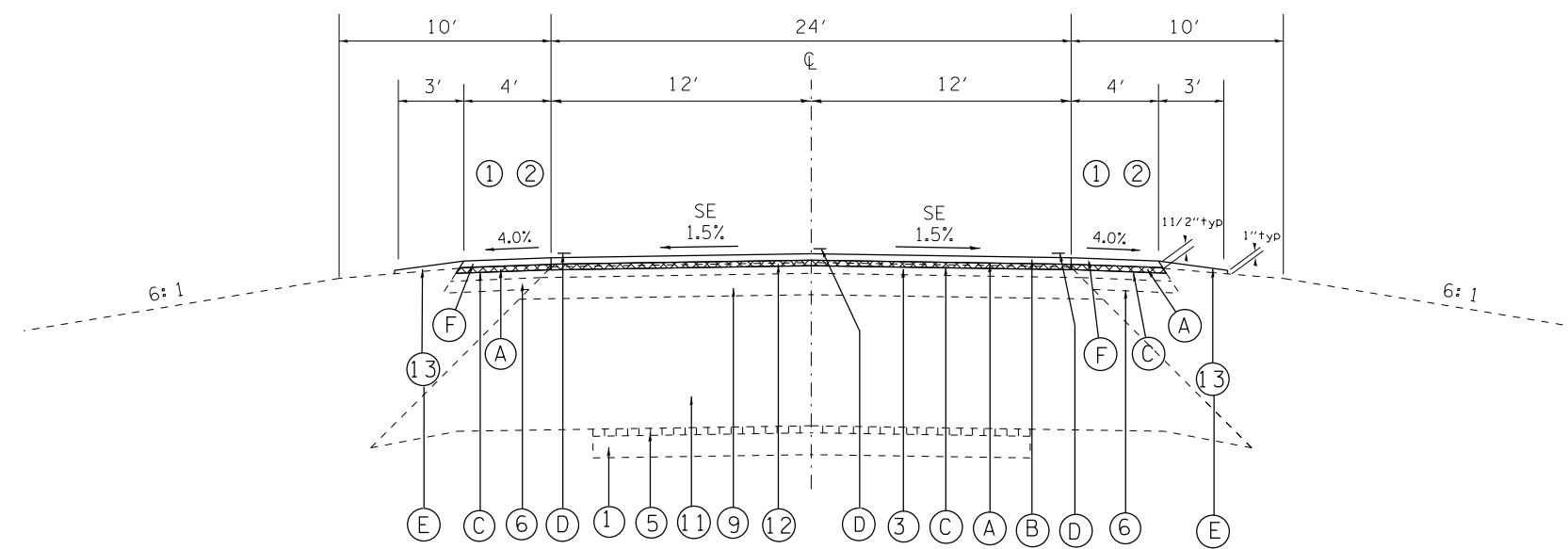
PROPOSED LEGEND

- Ⓐ PROP LEVELING BINDER (MACHINE METHOD),
N70 (3/4'')
- Ⓑ PROP HOT-MIX ASPHALT SURFACE COURSE,
MIX "D", N70 (1-1/2'')
- Ⓒ PROP HMA SURFACE REMOVAL VAR. DEPTH, 3/4'' TYP
- Ⓓ PROP MODIFIED URETHANE PAV'T MARKING - LINE 5''
- Ⓔ PROP AGG SHOULDER, TYPE B
- Ⓕ PROP HOT - MIX ASPHALT SHOULDER (AVG. DEPTH = 1 1/2'')



STA 208+05 TO STA 208+57
 STA 212+11 TO STA 213+09
 STA 223+40 TO STA 224+82
 STA 275+00 TO STA 275+87

FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\idot\sparksgw\d0313593\067272-sht-typical.dgn	DRAWN -	REVISED -	662			.	SANGAMON	28	8	
PLOT SCALE = 100.0131' / in.	CHECKED -	REVISED -	CONTRACT NO. 72F72							
Default	PLOT DATE = Oct-19-2012 01:08:32PM	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET 2 OF 5 SHEETS		STA.	TO STA.	

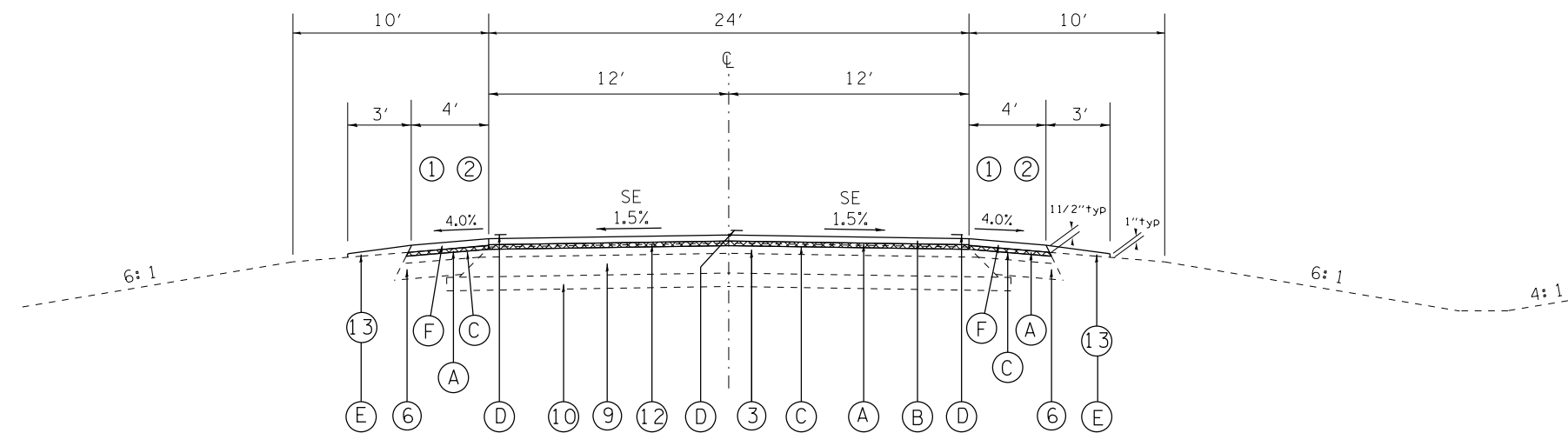


STA 208+57 TO STA 212+11
 STA 224+82 TO STA 232+00 (SEE SE AREA)
 STA 245+17 TO STA 246+71
 STA 265+00 TO STA 275+00 (SEE SE AREA)

SE AREAS

STA 226+31.52 TO STA 225+35.85 - SE TRANS.
 STA 228+35.85 TO STA 242+55.41 - FULL SE = 6.1% (SLOPE TO THE RT)
 STA 242+55.41 TO STA 244+59.74 - SE TRANS.
 STA 244+24.18 TO STA 246+28.51 - SE TRANS.
 STA 246+28.51 TO STA 268+46.95 - FULL SE = 6.1% (SLOPE TO THE LT)
 STA 268+46.95 TO STA 270+51.28 - SE TRANS.

NOTE:
 SEE HIGHWAY STD. 6420006, SCHEDULES
 OF QUANTITIES, AND SHEET 23 FOR
 PLACEMENT OF PROPOSED CENTERLINE
 RUMBLE STRIPS.



STA 232+00 TO STA 245+17 (SEE SE AREA)
 STA 246+71 TO STA 265+00 (SEE SE AREA)

- ① LOW SIDE OF SE - SHLD. SHALL BE SLOPED THE SAME AS SE OF PAV'T, BUT NOT LESS THAN 4%
- ② HIGH SIDE OF SE - WHEN SE OF PAV'T IS BETWEEN 0% AND 4%, THE SHLD. SHALL BE SLOPED AT 4%. WHEN THE SE OF PAV'T EXCEEDS 4%, THE SHLD. SHALL BE SLOPED SO THE ALGEBRAIC DIFFERENCE BETWEEN PAV'T AND SHLD. SLOPES WILL NOT BE GREATER THAN 8%.

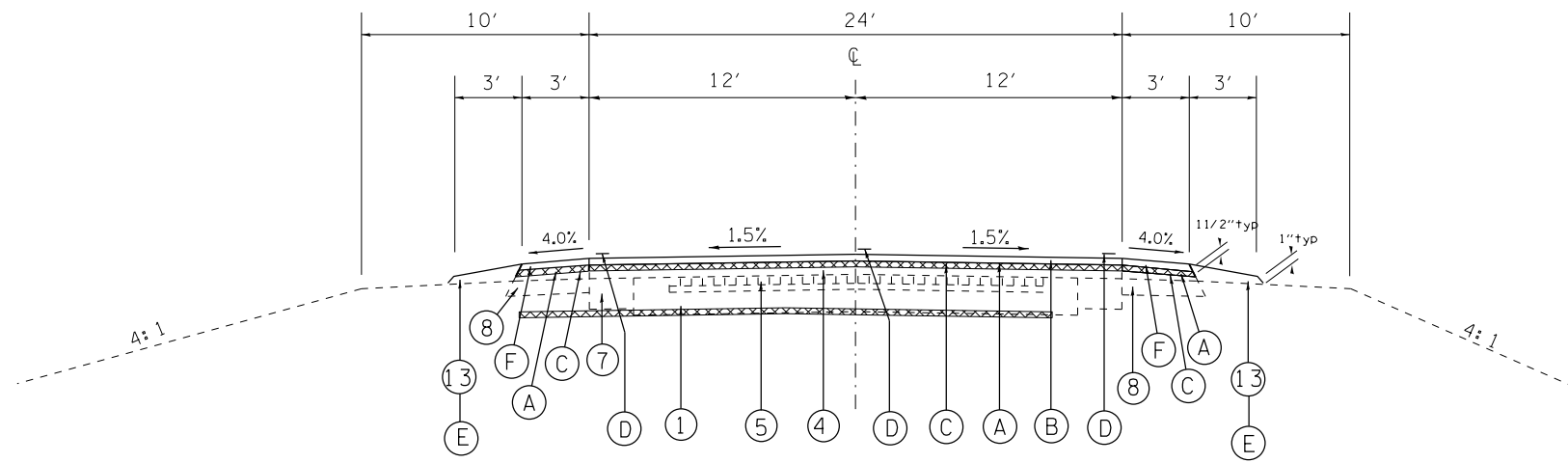
EXISTING LEGEND

- ① EX PCC PAVEMENT (8")
- ② EX BIT. BASE COURSE WIDENING (8" & VAR.)
- ③ EX BIT. OVERLAY (3")
- ④ EX BIT. OVERLAY (2-1/2")
- ⑤ EX BRICK SURFACING
- ⑥ EX 8" SHOULDER (BAM)
- ⑦ EX PCC BASE COURSE WIDENING (8")
- ⑧ EX HOT-MIX ASPHALT SHOULDER 8"
- ⑨ EX BIT BASE COURSE (8" & VAR.)
- ⑩ EX SUB-BASE GRANULAR MATERIAL
- ⑪ EX GRANULAR EMBANKMENT SPECIAL-THICKNESS VAR.
- ⑫ EX RALUMAC MICRO-SURFACING
- ⑬ EX AGG SHOULDER, TYPE B
- ⑭ EX CONCRETE PAVEMENT
- ⑮ EX CONCRETE WIDENING
- ⑯ EX HMA OVERLAY, 2"
- ⑰ EX HMA WIDENING, 9"
- ⑱ EX CONCRETE GUTTER, TY B (SPECIAL)
- ⑲ EX HMA OVERLAY, 5 1/2 & VARIABLE

PROPOSED LEGEND

- (A) PROP LEVELING BINDER (MACHINE METHOD), N70 (3/4")
- (B) PROP HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (1-1/2")
- (C) PROP HMA SURFACE REMOVAL VAR. DEPTH, 3/4" TYP
- (D) PROP MODIFIED URETHANE PAV'T MARKING - LINE 5"
- (E) PROP AGG SHOULDER, TYPE B
- (F) PROP HOT - MIX ASPHALT SHOULDER (AVG. DEPTH = 1 1/2")

FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\sparksgw\0313593\0672\F72-sh-typical.dgn	DRAWN -	REVISED -	662					.	SANGAMON	28	9	
Default	PLOT SCALE = 100.0639' / in.	CHECKED -	REVISED -		CONTRACT NO. 72F72			ILLINOIS FED. AID PROJECT				
	PLOT DATE = Oct-19-2012 01:08:33PM	DATE -	REVISED -		SCALE:	SHEET 3	OF 5 SHEETS	STA.	TO STA.	(HRS-10, (CIRS-9, (PIRS-7		



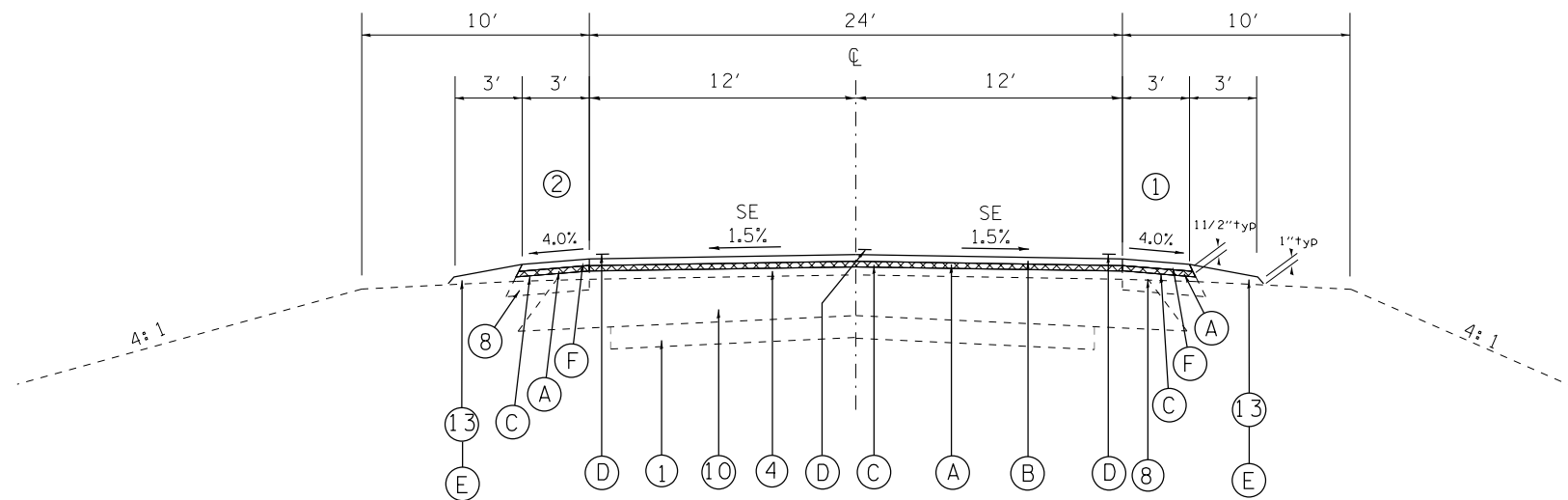
STA 618+29.13 TO STA 620+60

SE AREAS

STA 626+17.14 TO STA 628+41.14 - SE TRANS.
 STA 628+41.14 TO STA 647+28.98 - FULL SE = 4.1% (SLOPE TO THE RT)
 STA 647+28.98 TO STA 649+52.98 - SE TRANS.

NOTE:

SEE HIGHWAY STD. 6420006, SCHEDULES OF QUANTITIES, AND SHEET 23 FOR PLACEMENT OF PROPOSED CENTERLINE RUMBLE STRIPS.



STA 620+60 TO STA 635+55 (SEE SE AREA)

- ① LOW SIDE OF SE - SHLD. SHALL BE SLOPED THE SAME AS SE OF PAV'T, BUT NOT LESS THAN 4%
- ② HIGH SIDE OF SE - WHEN SE OF PAV'T IS BETWEEN 0% AND 4%, THE SHLD. SHALL BE SLOPED AT 4%. WHEN THE SE OF PAV'T EXCEEDS 4%, THE SHLD. SHALL BE SLOPED SO THE ALGEBRAIC DIFFERENCE BETWEEN PAV'T AND SHLD. SLOPES WILL NOT BE GREATER THAN 8%.

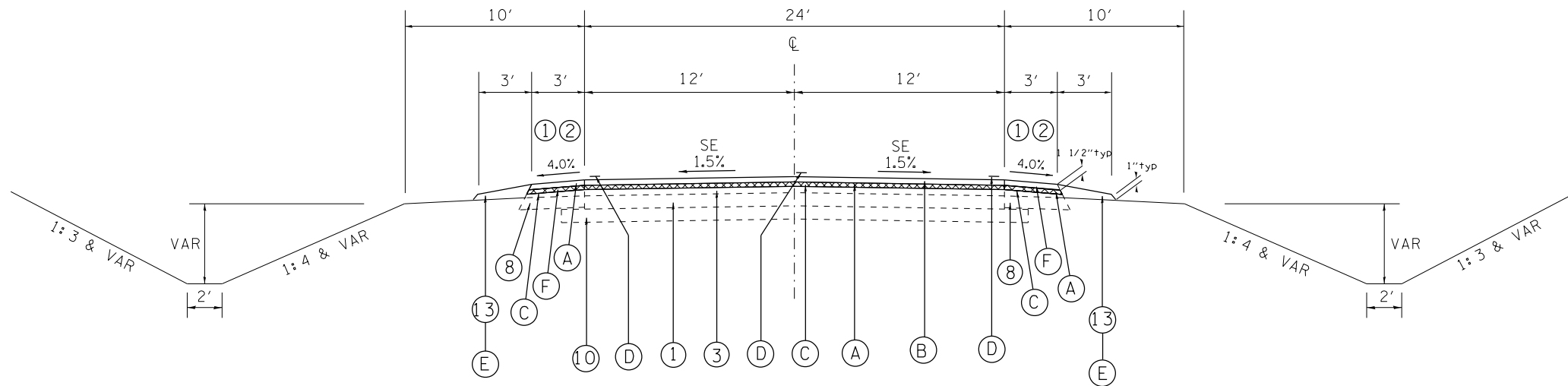
EXISTING LEGEND

- ① EX PCC PAVEMENT (8")
- ② EX BIT. BASE COURSE WIDENING (8" & VAR.)
- ③ EX BIT. OVERLAY (3")
- ④ EX BIT. OVERLAY (2-1/2")
- ⑤ EX BRICK SURFACING
- ⑥ EX 8" SHOULDER (BAM)
- ⑦ EX PCC BASE COURSE WIDENING (8")
- ⑧ EX HOT-MIX ASPHALT SHOULDER 8"
- ⑨ EX BIT BASE COURSE (8" & VAR.)
- ⑩ EX SUB-BASE GRANULAR MATERIAL
- ⑪ EX GRANULAR EMBANKMENT SPECIAL-THICKNESS VAR.
- ⑫ EX RALUMAC MICRO-SURFACING
- ⑬ EX AGG SHOULDER, TYPE B
- ⑭ EX CONCRETE PAVEMENT
- ⑮ EX CONCRETE WIDENING
- ⑯ EX HMA OVERLAY, 2"
- ⑰ EX HMA WIDENING, 9"
- ⑱ EX CONCRETE GUTTER, TY B (SPECIAL)
- ⑲ EX HMA OVERLAY, 5 1/2 & VARIABLE

PROPOSED LEGEND

- Ⓐ PROP LEVELING BINDER (MACHINE METHOD), N70 (3/4")
- Ⓑ PROP HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (1-1/2")
- Ⓒ PROP HMA SURFACE REMOVAL VAR. DEPTH, 3/4" TYP
- Ⓓ PROP MODIFIED URETHANE PAV'T MARKING - LINE 5"
- Ⓔ PROP AGG SHOULDER, TYPE B
- Ⓕ PROP HOT - MIX ASPHALT SHOULDER (AVG. DEPTH = 1 1/2")

FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Plot SCALE = 100.0000' / in.	CHECKED -	REVISED -					662	.		28	10
	PLOT DATE = Oct-19-2012 01:00:33PM	DATE -	REVISED -		SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.			CONTRACT NO. 72F72				
								ILLINOIS FED. AID PROJECT				



BRIDGE OMISSION
 STA 635+55 TO STA 637+50
 STA 637+50 TO STA 730+88 (SEE SE AREAS)

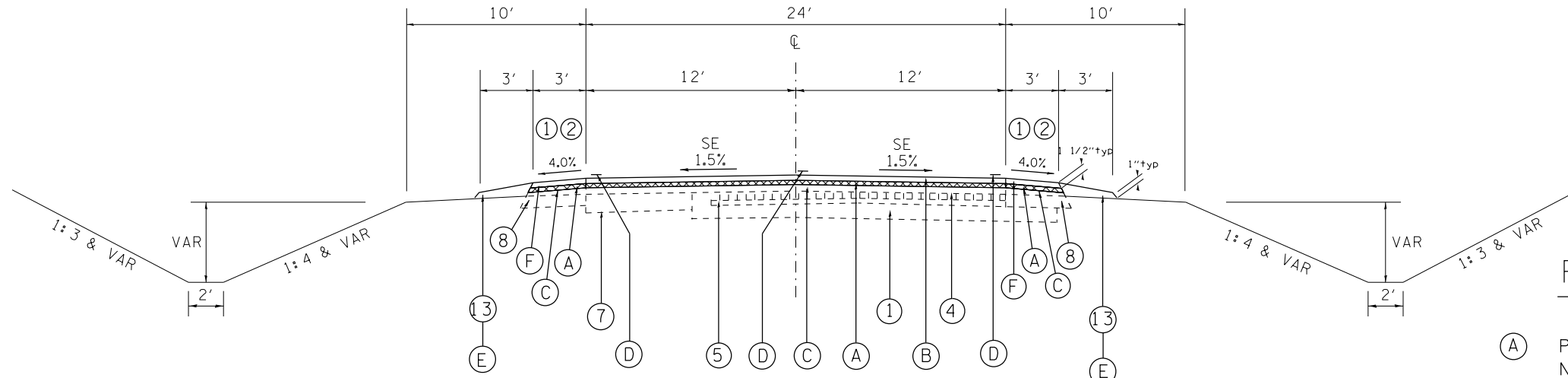
EXISTING LEGEND

- ① EX PCC PAVEMENT (8")
- ② EX BIT. BASE COURSE WIDENING (8" & VAR.)
- ③ EX BIT. OVERLAY (3")
- ④ EX BIT. OVERLAY (2-1/2")
- ⑤ EX BRICK SURFACING
- ⑥ EX 8" SHOULDER (BAM)
- ⑦ EX PCC BASE COURSE WIDENING (8")
- ⑧ EX HOT-MIX ASPHALT SHOULDER 8"
- ⑨ EX BIT BASE COURSE (8" & VAR.)
- ⑩ EX SUB-BASE GRANULAR MATERIAL
- ⑪ EX GRANULAR EMBANKMENT SPECIAL-THICKNESS VAR.
- ⑫ EX RALUMAC MICRO-SURFACING
- ⑬ EX AGG SHOULDER, TYPE B
- ⑭ EX CONCRETE PAVEMENT
- ⑮ EX CONCRETE WIDENING
- ⑯ EX HMA OVERLAY, 2"
- ⑰ EX HMA WIDENING, 9"
- ⑱ EX CONCRETE GUTTER, TY B (SPECIAL)
- ⑲ EX HMA OVERLAY, 5 1/2 & VARIABLE

SE AREAS

- STA 626+17.14 TO STA 628+41.14 - SE TRANS.
- STA 628+41.14 TO STA 647+28.98 - FULL SE = 4.1% (SLOPE TO THE RT)
- STA 647+28.98 TO STA 649+52.98 - SE TRANS.
- STA 710+36.68 TO STA 712+65.42 - SE TRANS.
- STA 712+65.42 TO STA 733+07.92 - FULL SE = 3.8% (SLOPE TO THE LT)
- STA 733+07.92 TO STA 734+81.59 - SE TRANS.

NOTE:
 SEE HIGHWAY STD. 6420006, SCHEDULES
 OF QUANTITIES, AND SHEET 23 FOR
 PLACEMENT OF PROPOSED CENTERLINE
 RUMBLE STRIPS.



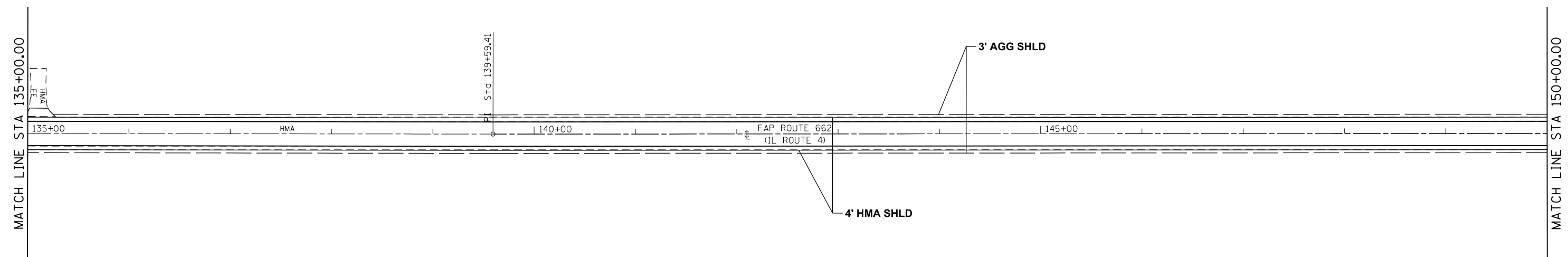
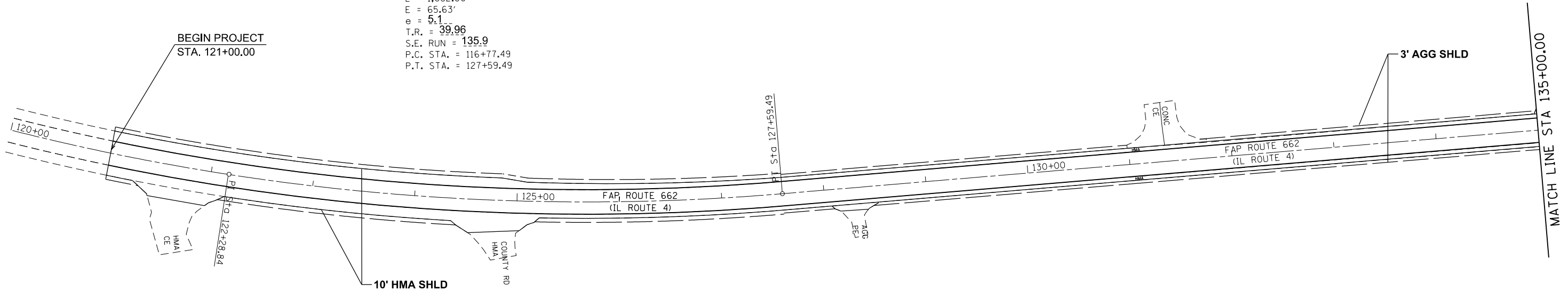
STA 730+88 TO STA 734+81.59 (SEE SE AREAS)

PROPOSED LEGEND

- Ⓐ PROP LEVELING BINDER (MACHINE METHOD), N70 (3/4")
- Ⓑ PROP HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (1-1/2")
- Ⓒ PROP HMA SURFACE REMOVAL VAR. DEPTH, 3/4" TYP
- Ⓓ PROP MODIFIED URETHANE PAV'T MARKING - LINE 5"
- Ⓔ PROP AGG SHOULDER, TYPE B
- Ⓕ PROP HOT - MIX ASPHALT SHOULDER (AVG. DEPTH = 1 1/2")

- ① LOW SIDE OF SE - SHLD. SHALL BE SLOPED THE SAME AS SE OF PAV'T, BUT NOT LESS THAN 4%.
- ② HIGH SIDE OF SE - WHEN SE OF PAV'T IS BETWEEN 0% AND 4%, THE SHLD. SHALL BE SLOPED AT 4%. WHEN THE SE OF PAV'T EXCEEDS 4%, THE SHLD. SHALL BE SLOPED SO THE ALGEBRAIC DIFFERENCE BETWEEN PAV'T AND SHLD. SLOPES WILL NOT BE GREATER THAN 8%.

EXIST. CURVE 130
 PI STA. = 122+28.84
 Δ = 27° 09' 07" (LT)
 D = 2° 30' 34"
 R = 2,283.22'
 T = 551.36'
 L = 1,082.00'
 E = 65.63'
 e = 5.1
 T.R. = 39.96
 S.E. RUN = 135.9
 P.C. STA. = 116+77.49
 P.T. STA. = 127+59.49



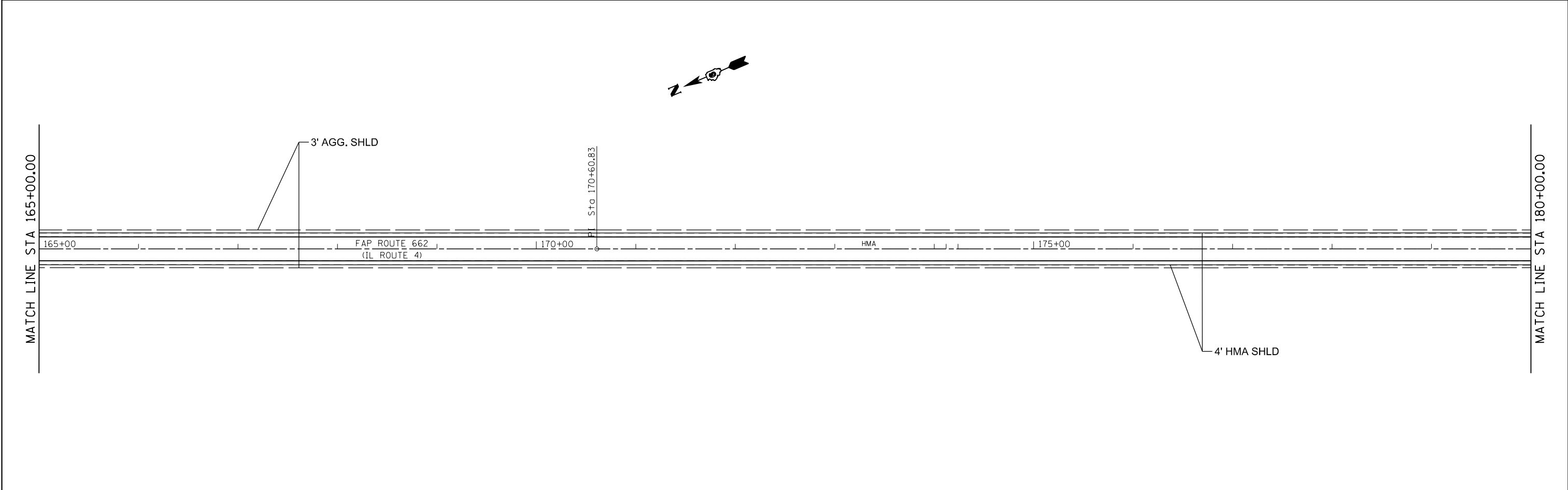
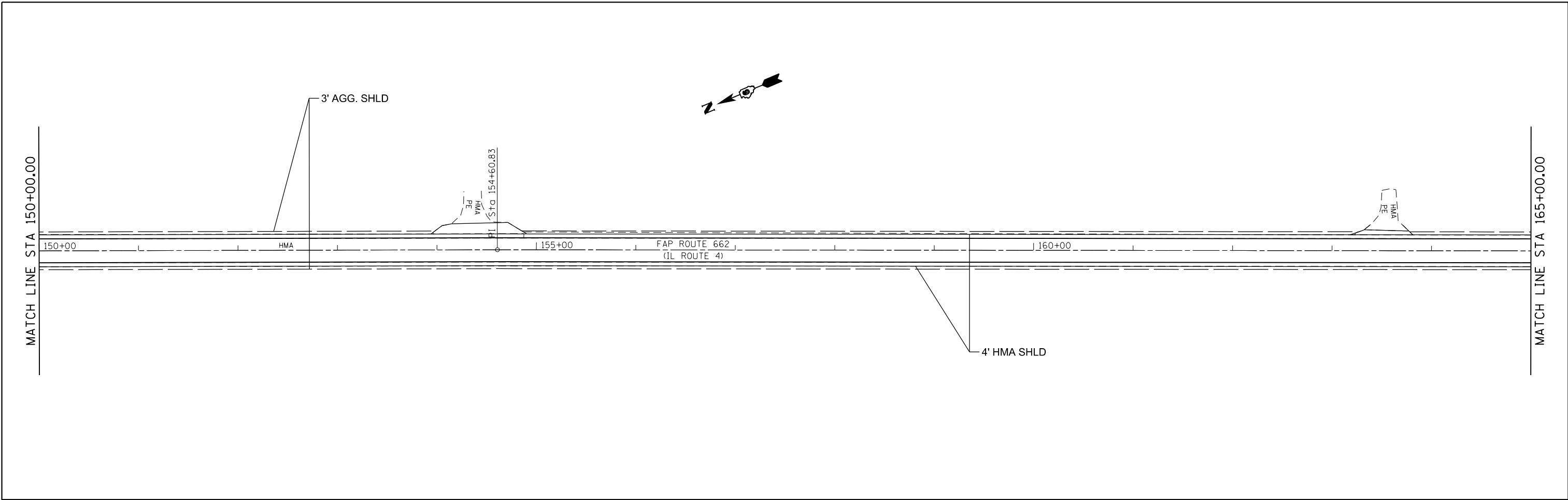
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	PLOT DATE = Oct-19-2012 01:00:35PM	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
SCALE:	SHEET 1	OF 10 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	.	SANGAMON	28	12
CONTRACT NO. 72F72				
ILLINOIS FED. AID PROJECT				

*(H)RS-10, (C)RS-9, (P)RS-7



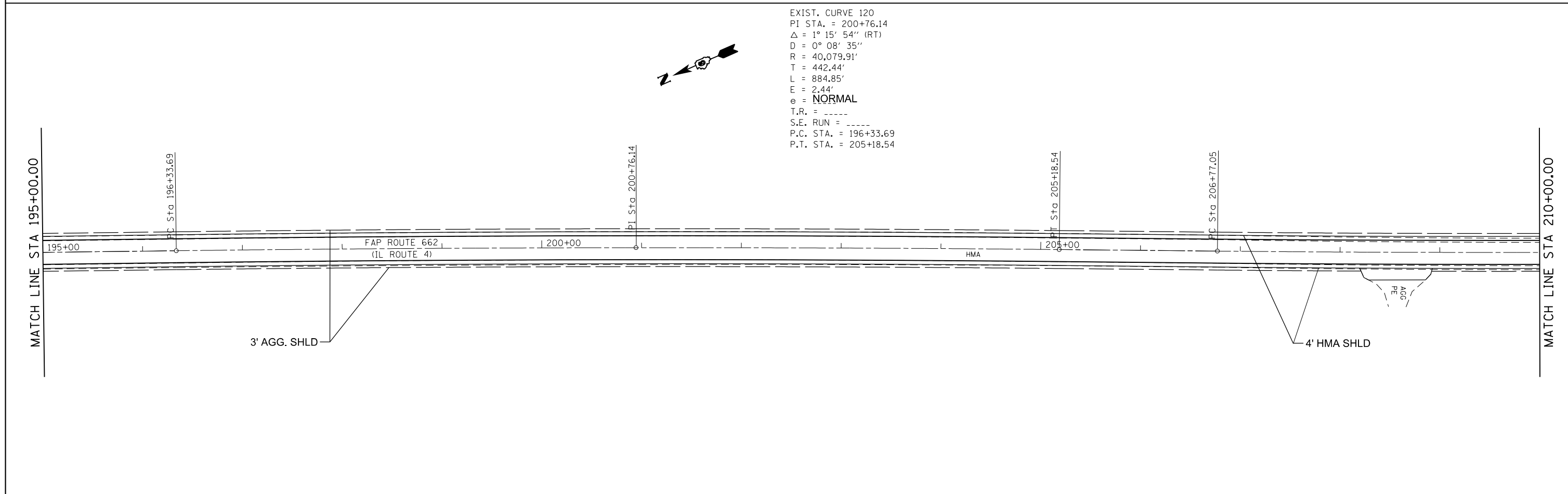
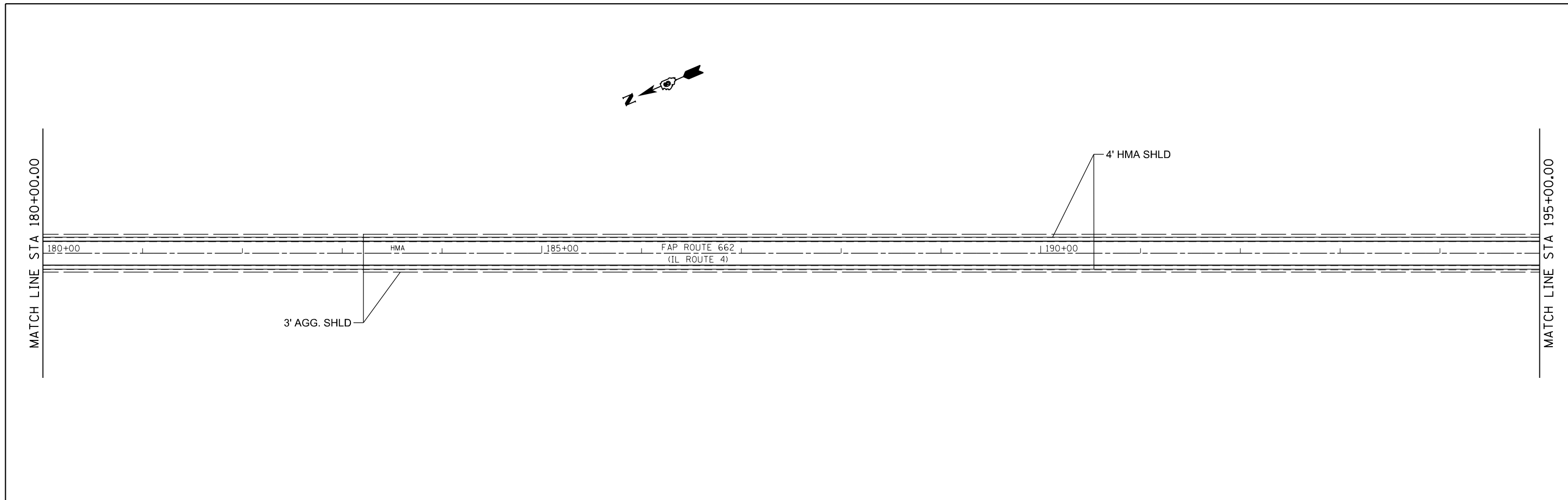
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
SCALE:	SHEET 2	OF 10 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	•	SANGAMON	28	13
CONTRACT NO. 72F72				
ILLINOIS FED. AID PROJECT				

*(H)RS-10, (C)RS-9, (P)RS-7



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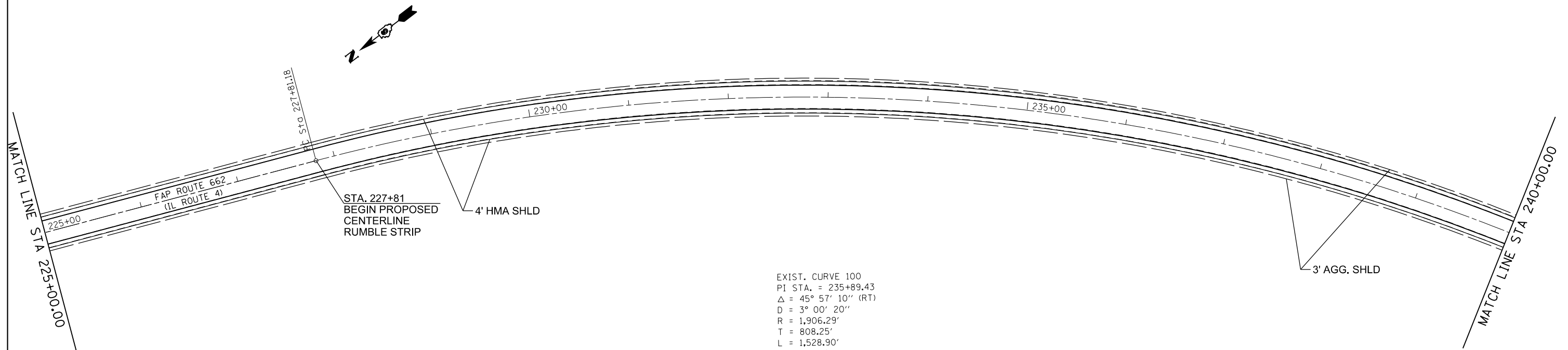
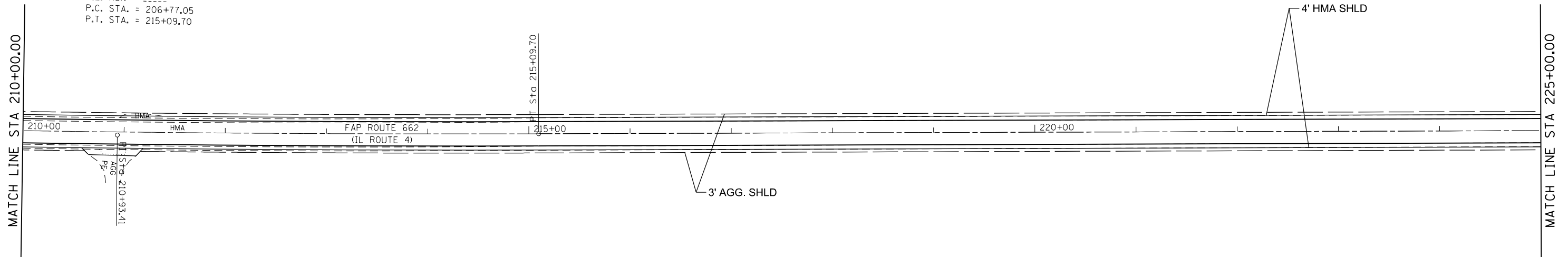
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
SCALE:	SHEET 3	OF 10 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	.	SANGAMON	28	14
CONTRACT NO. 72F72				
ILLINOIS FED. AID PROJECT				

*(H)RS-10, (C)RS-9, (P)RS-7

EXIST. CURVE 110
 PI STA. = 210+93.41
 $\Delta = 1^\circ 41' 16''$ (LT)
 $D = 0^\circ 12' 10''$
 $R = 28,267.68'$
 $T = 416.36'$
 $L = 832.65'$
 $E = 3.07'$
 $e = \text{NORMAL}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 206+77.05
 P.T. STA. = 215+09.70



EXIST. CURVE 100
 PI STA. = 235+89.43
 $\Delta = 45^\circ 57' 10''$ (RT)
 $D = 3^\circ 00' 20''$
 $R = 1,906.29'$
 $T = 808.25'$
 $L = 1,528.90'$
 $E = 164.27'$
 $e = 5.5$
 T.R. = 39.96
 S.E. RUN = 146.52
 P.C. STA. = 227+81.18
 P.T. STA. = 243+10.08

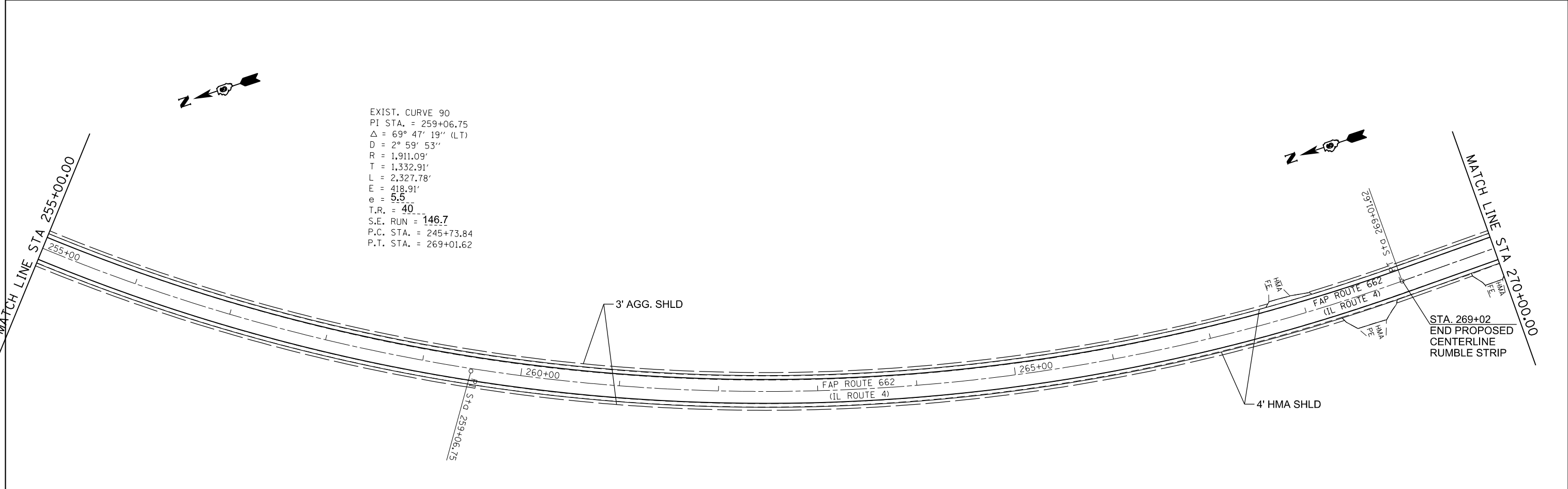
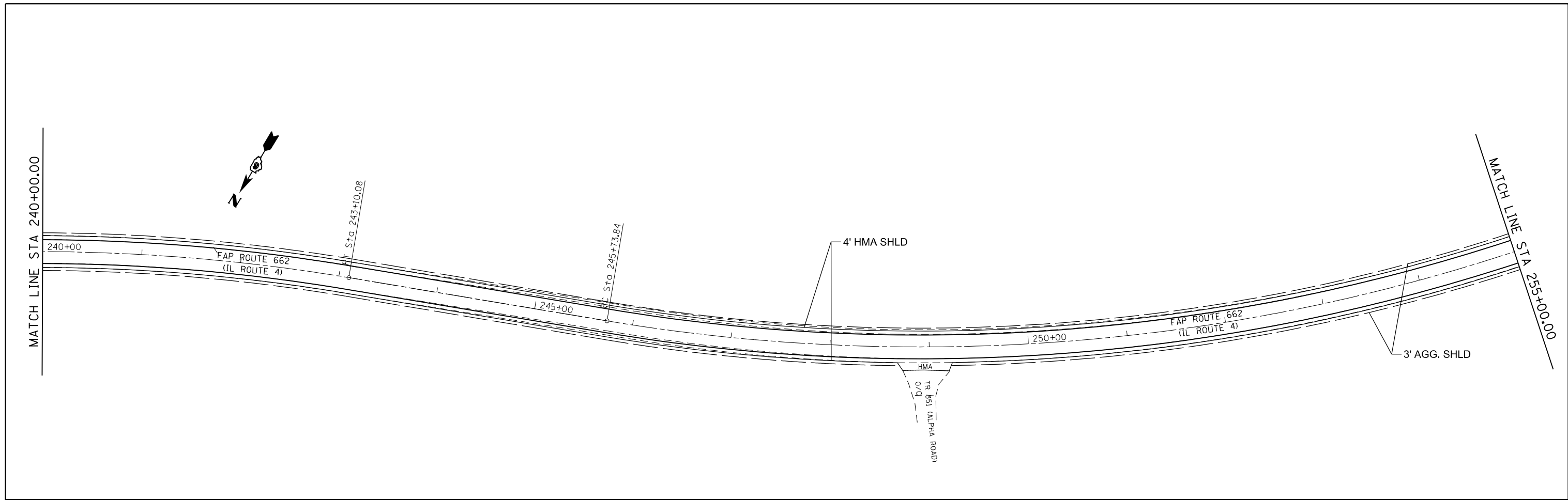
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: SHEET 4 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	.	SANGAMON	28	15
CONTRACT NO. 72F72				



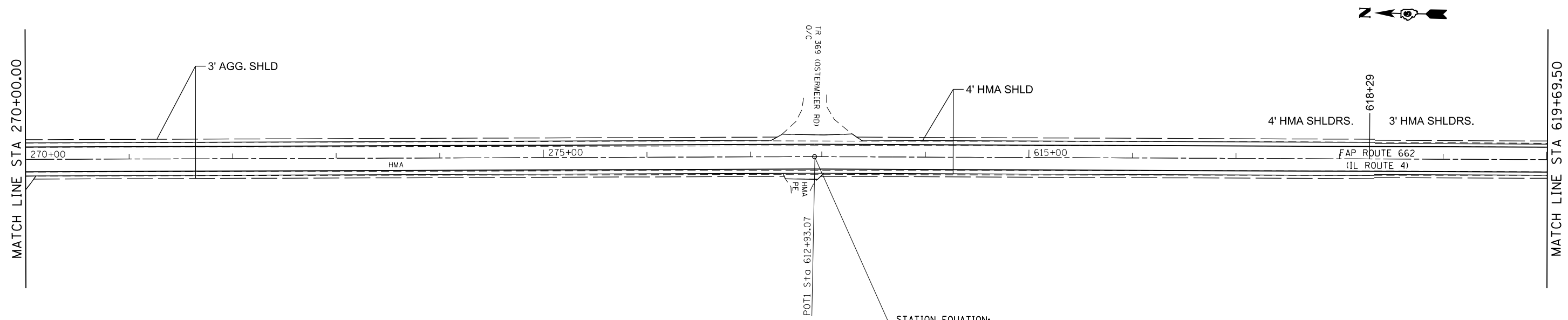
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

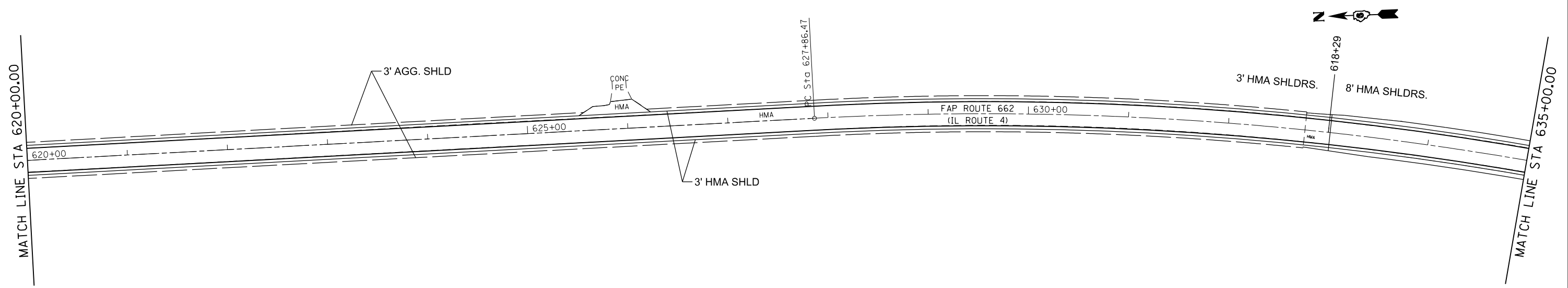
PLAN SHEET			
SCALE:	SHEET 5	OF 10 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	.	SANGAMON	28	16
CONTRACT NO. 72F72				
ILLINOIS FED. AID PROJECT				

(H)RS-10, (C)RS-9, (P)RS-7



STATION EQUATION:
 PI STA 277+61.872 BK (IL ROUTE 4)
 = PI STA 612+93.07 AH (IL ROUTE 4)
 = STA 10+00.00 (OSTERMEIER RD/TR 11.55)



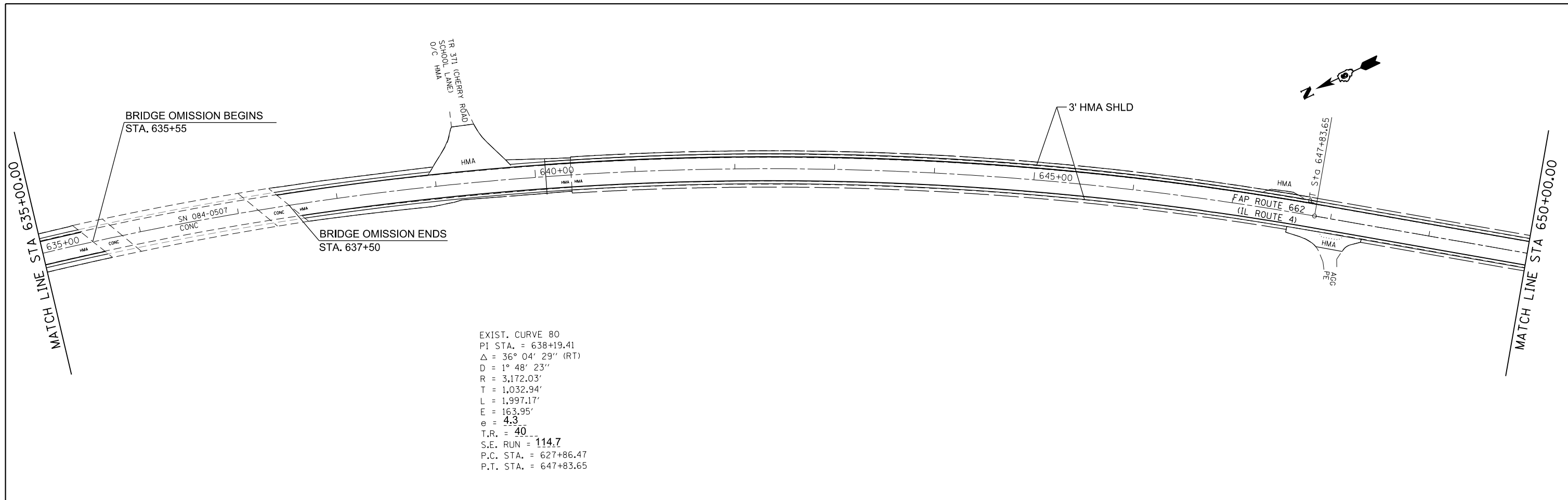
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

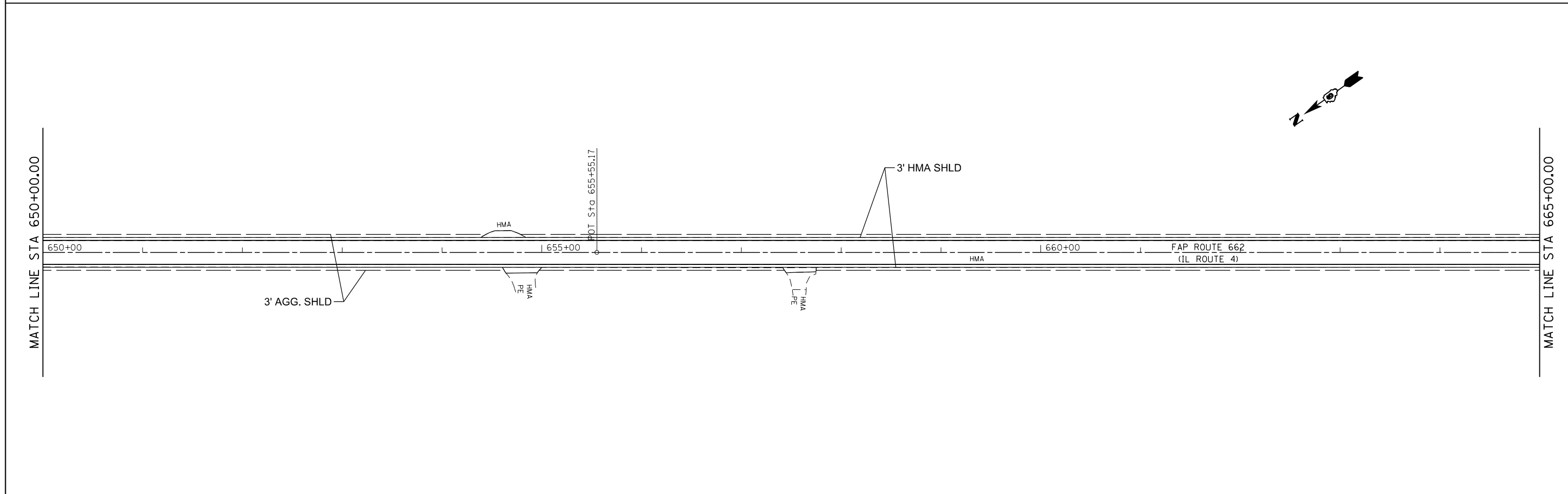
PLAN SHEET			
SCALE:	SHEET 6	OF 10 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	*	SANGAMON	28	17
CONTRACT NO. 72F72				
ILLINOIS FED. AID PROJECT				

(H)RS-10, (C)RS-9, (P)RS-7



EXIST. CURVE 80
 PI STA. = 638+19.41
 $\Delta = 36^\circ 04' 29''$ (RT)
 D = $1^\circ 48' 23''$
 R = 3,172.03'
 T = 1,032.94'
 L = 1,997.17'
 E = 163.95'
 e = 4.3
 T.R. = 40
 S.E. RUN = 114.7
 P.C. STA. = 627+86.47
 P.T. STA. = 647+83.65



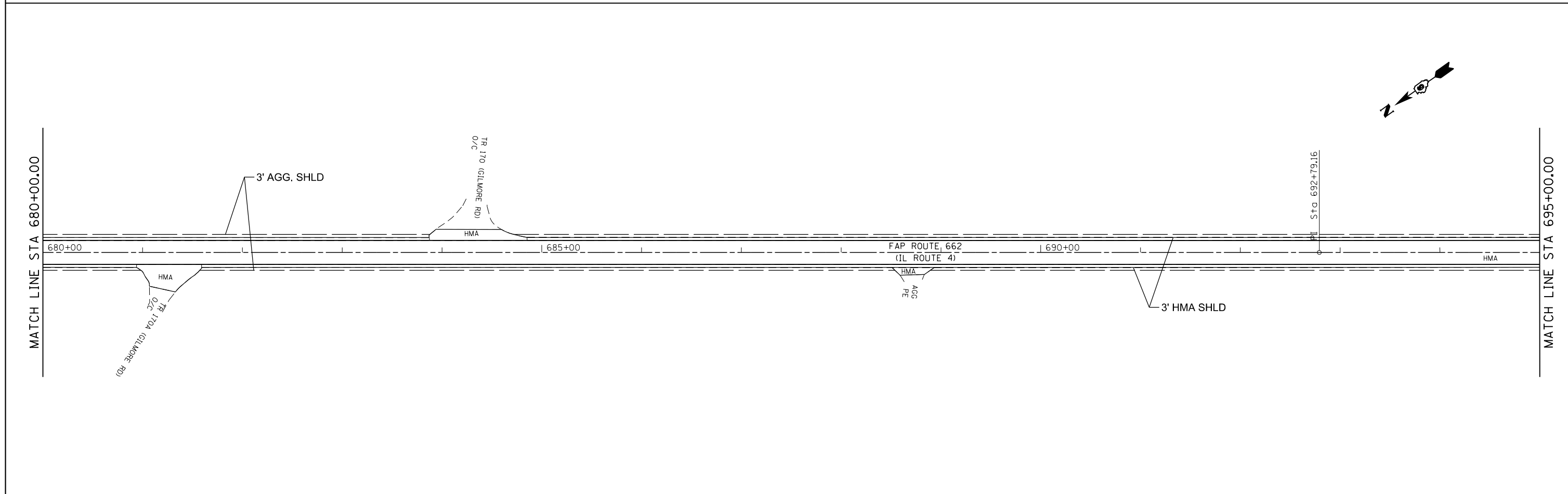
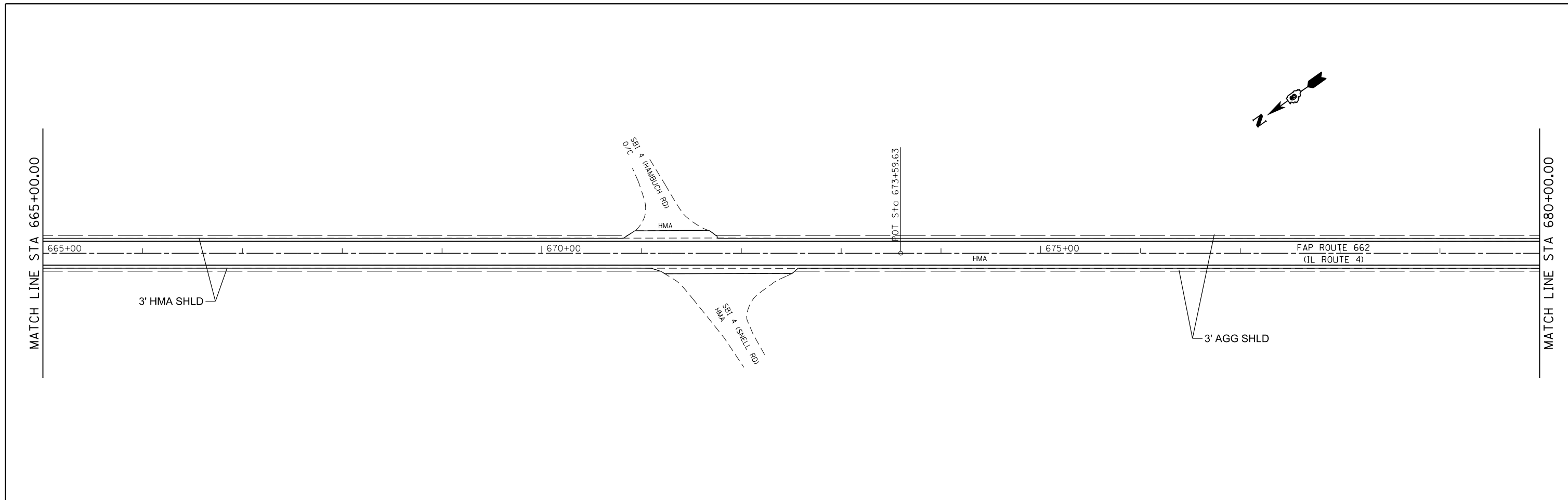
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	PLOT DATE = Oct-19-2012 01:00:37PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: SHEET 7 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	.	SANGAMON	28	18
CONTRACT NO. 72F72				
ILLINOIS FED. AID PROJECT				



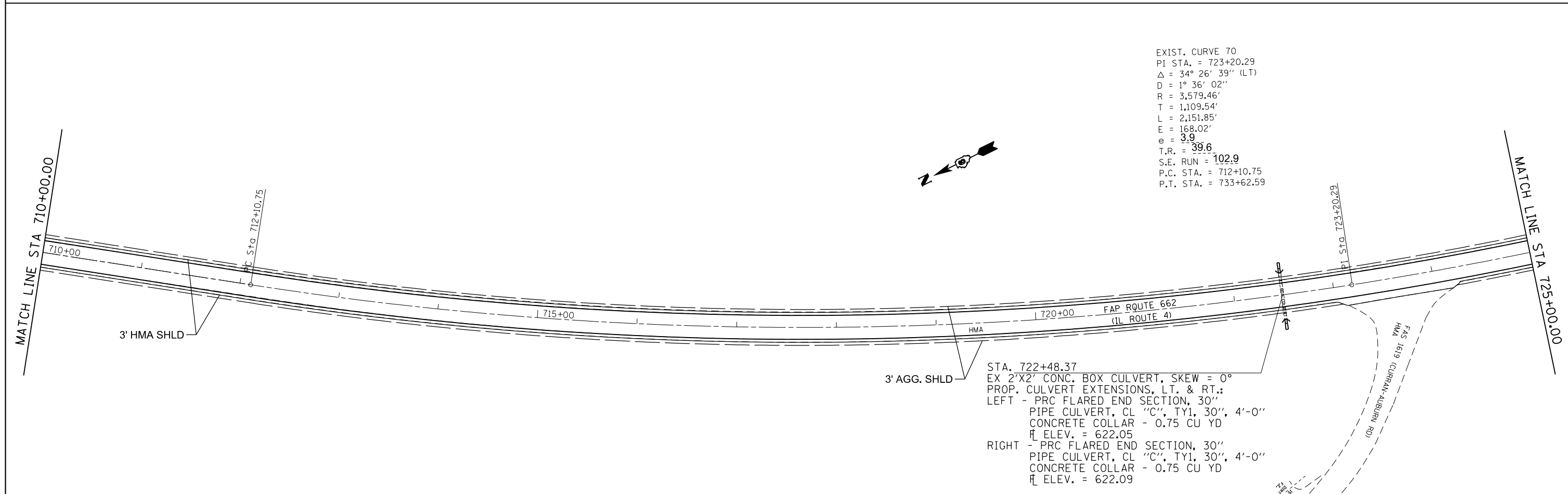
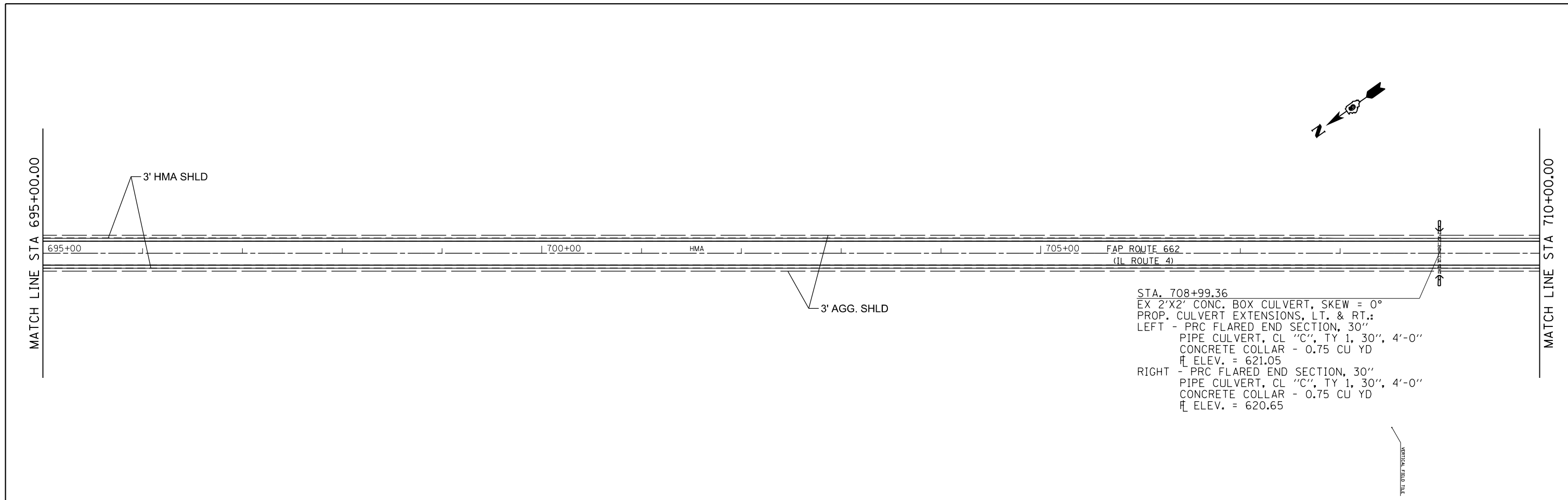
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	PLOT DATE = Oct-19-2012 01:00:37PM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
SCALE:	SHEET 8	OF 10 SHEETS	STA. TO STA.

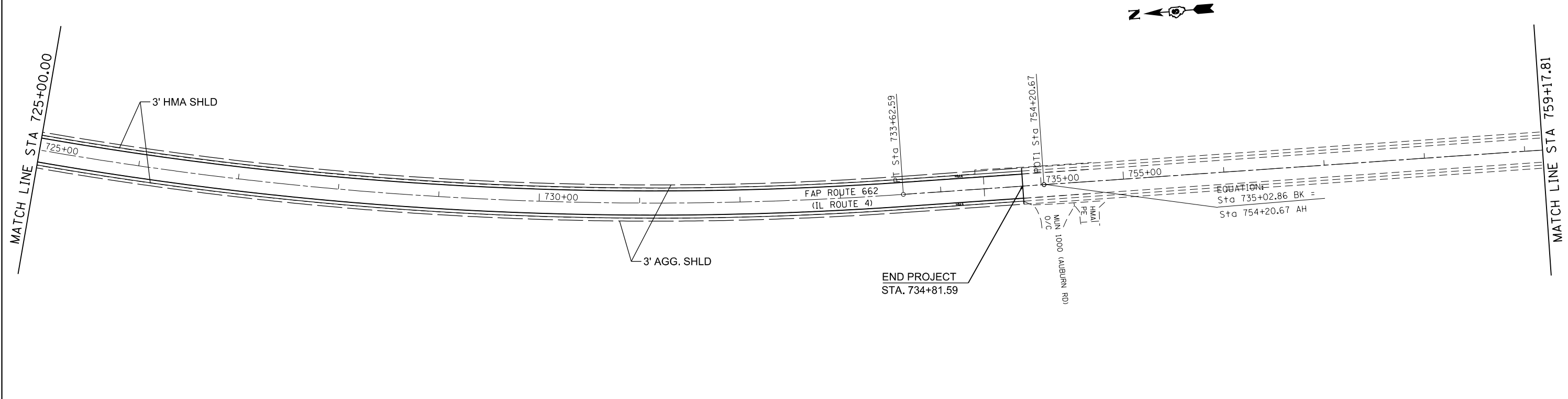
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	*	SANGAMON	28	19
CONTRACT NO. 72F72				
ILLINOIS FED. AID PROJECT				

*(H)RS-10, (C)RS-9, (P)RS-7



FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	72.dgn	DRAWN -	REVISED -		SCALE:	SHEET 9	OF 10 SHEETS	STA.	TO STA.	662	SANGAMON	28	20
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -										
	PLOT DATE = Oct-19-2012 01:00:37PM	DATE -	REVISED -										

ILLINOIS FED. AID PROJECT (H)RS-10, (C)RS-9, (P)RS-7



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

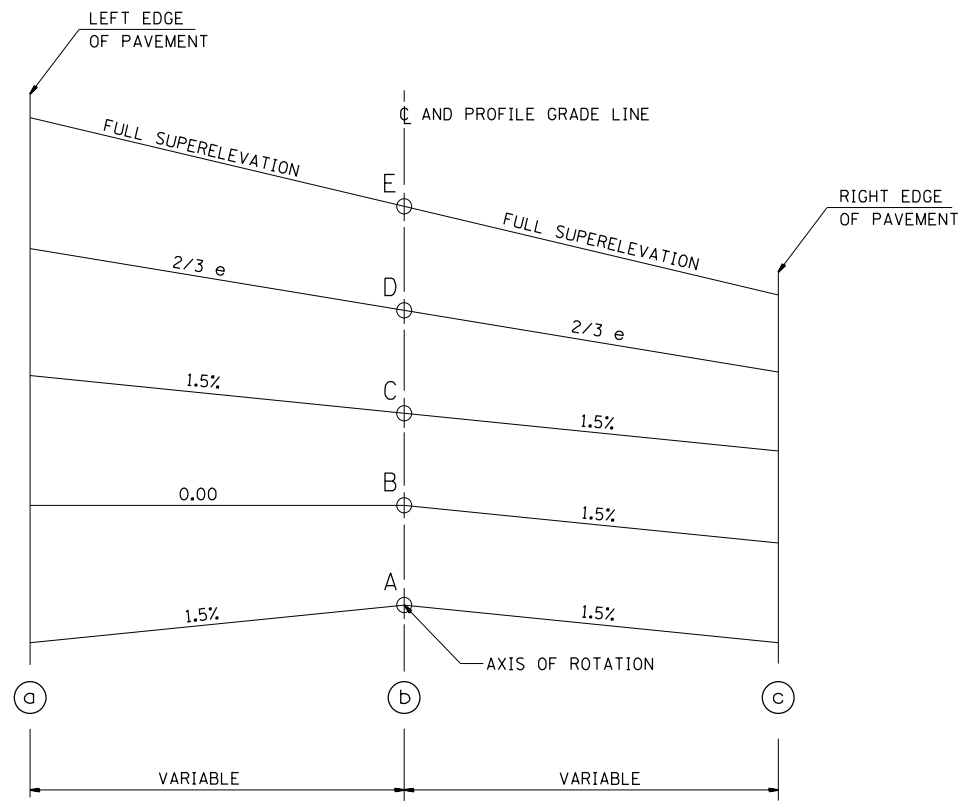
PLAN SHEET

SCALE: SHEET 10 OF 10 SHEETS STA. TO STA.

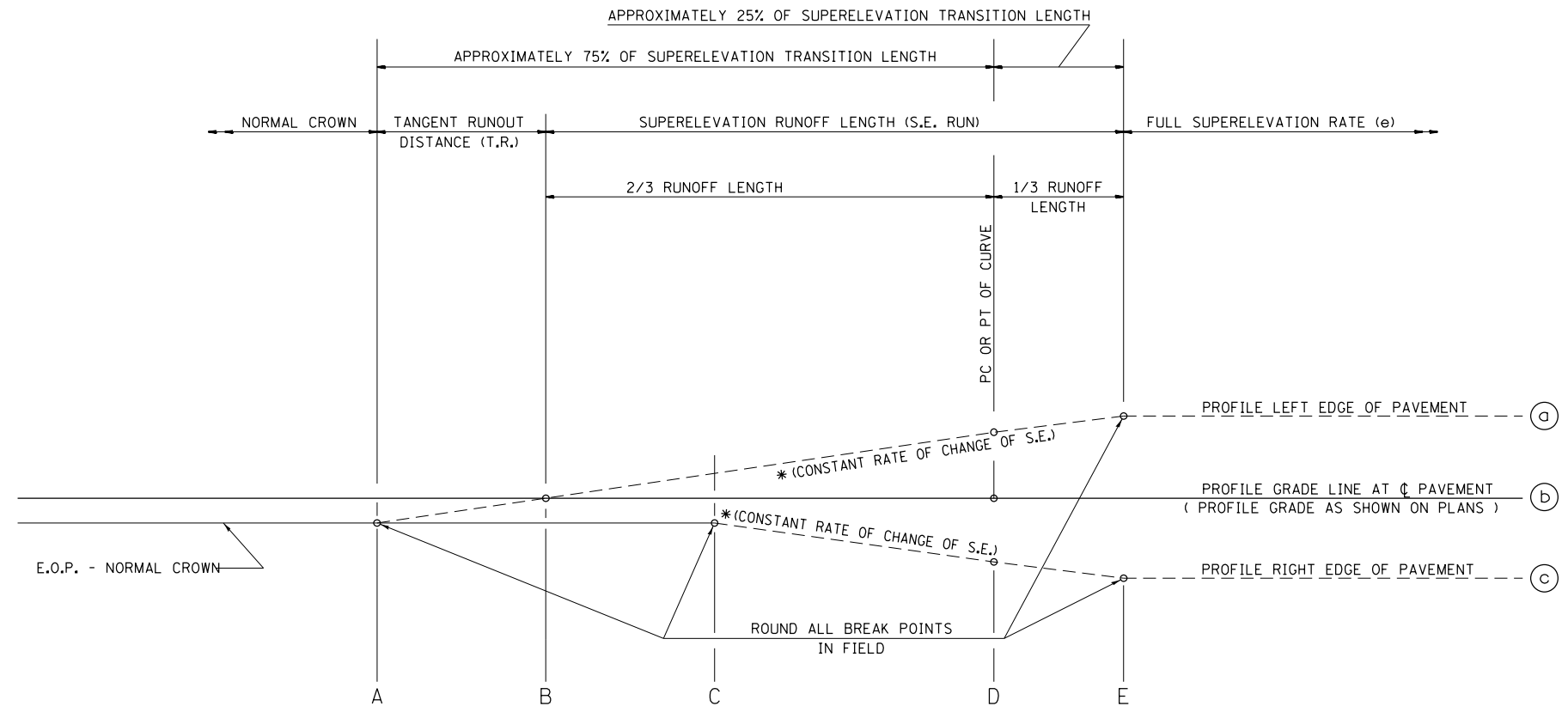
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662		SANGAMON	28	21
CONTRACT NO. 72F72				
ILLINOIS FED. AID PROJECT				

*(H)RS-10, (C)RS-9, (P)RS-7

TABLE OF SUPERELEVATION BREAK POINT LOCATIONS							
CURVE NO.	e	A	B	C	D	E	TRANSITION
130	5.1	STA. 115+46.47	STA. 115+86.44	STA. 116+24.41	STA. 116+77.49	STA. 117+22.34	TRANS. IN
		STA. 128+90.51	STA. 128+50.54	STA. 128+10.57	STA. 127+59.49	STA. 127+14.64	TRANS. OUT
100	5.5	STA. 226+43.05	STA. 226+83.01	STA. 227+22.97	STA. 227+81.18	STA. 228+29.53	TRANS. IN
		STA. 244+48.21	STA. 244+08.25	STA. 243+68.29	STA. 243+10.08	STA. 242+61.73	TRANS. OUT
90	5.5	STA. 244+35.54	STA. 244+75.55	STA. 245+15.56	STA. 245+73.84	STA. 246+22.25	TRANS. IN
		STA. 270+39.92	STA. 269+99.91	STA. 269+59.90	STA. 269+01.62	STA. 268+53.21	TRANS. OUT
80	4.3	STA. 626+69.61	STA. 627+09.62	STA. 627+49.63	STA. 627+86.47	STA. 628+24.32	TRANS. IN
		STA. 649+00.51	STA. 648+60.50	STA. 648+20.49	STA. 647+83.65	STA. 647+45.80	TRANS. OUT
70	3.9	STA. 711+02.23	STA. 711+41.81	STA. 711+81.38	STA. 712+10.75	STA. 712+44.71	TRANS. IN
		STA. 734+71.11	STA. 734+31.53	STA. 733+91.96	STA. 733+62.59	STA. 733+28.63	TRANS. OUT



TYPICAL CROSS SECTION - S.E. TRANSITION



TYPICAL PROFILE - S.E. TRANSITION

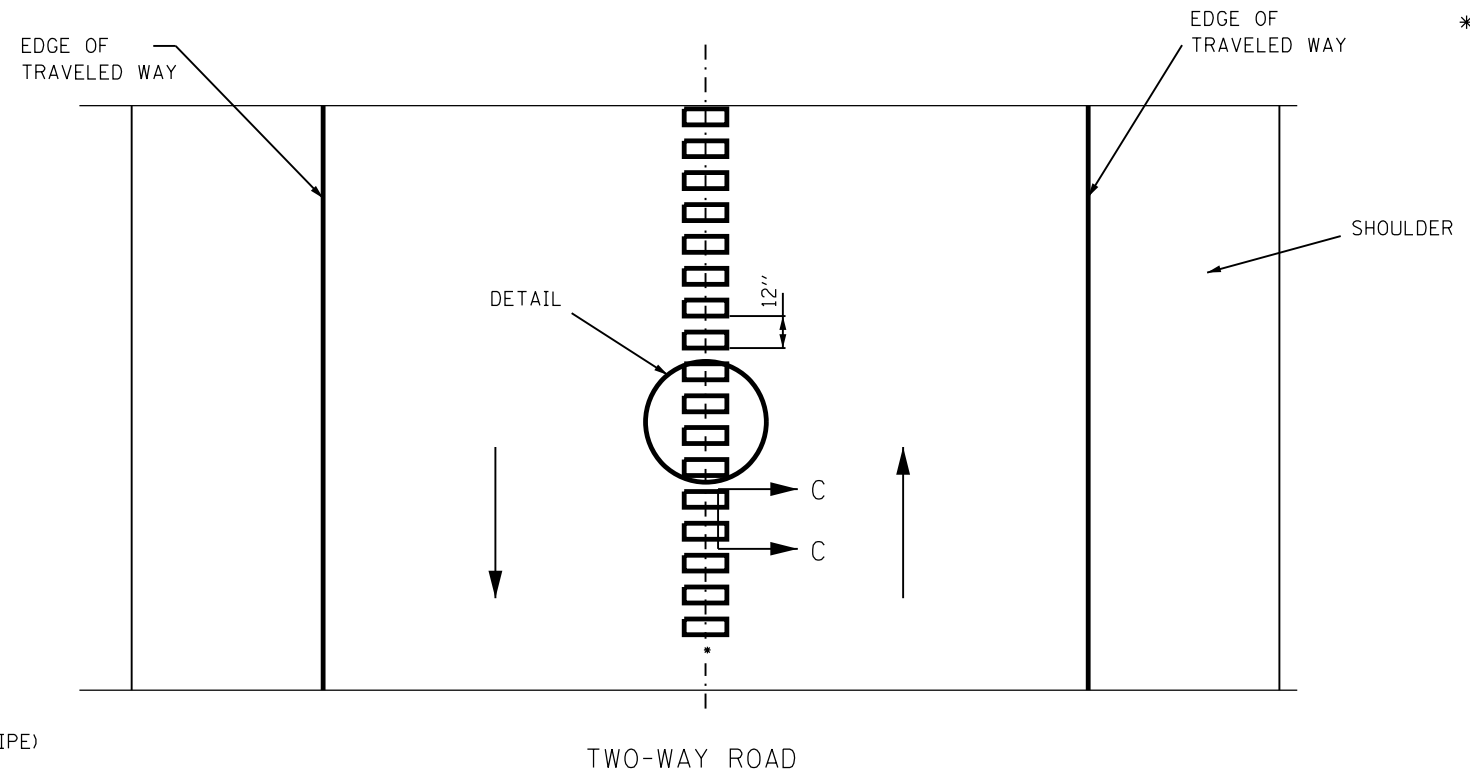
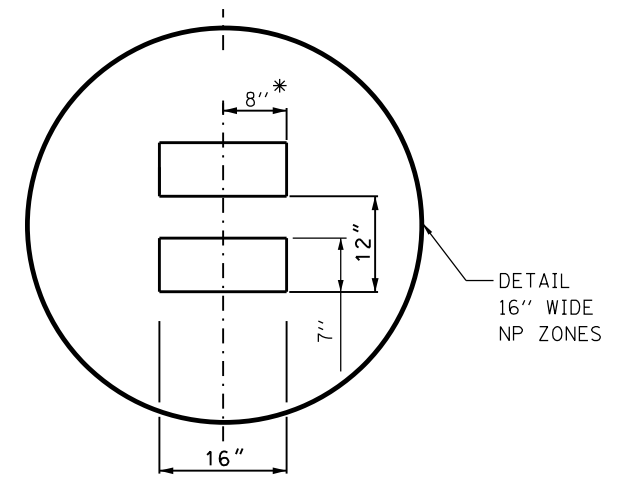
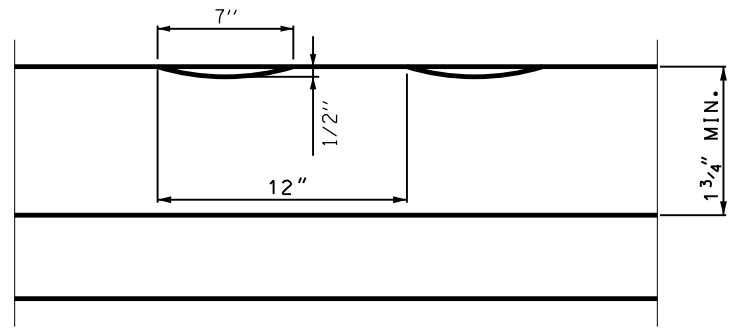
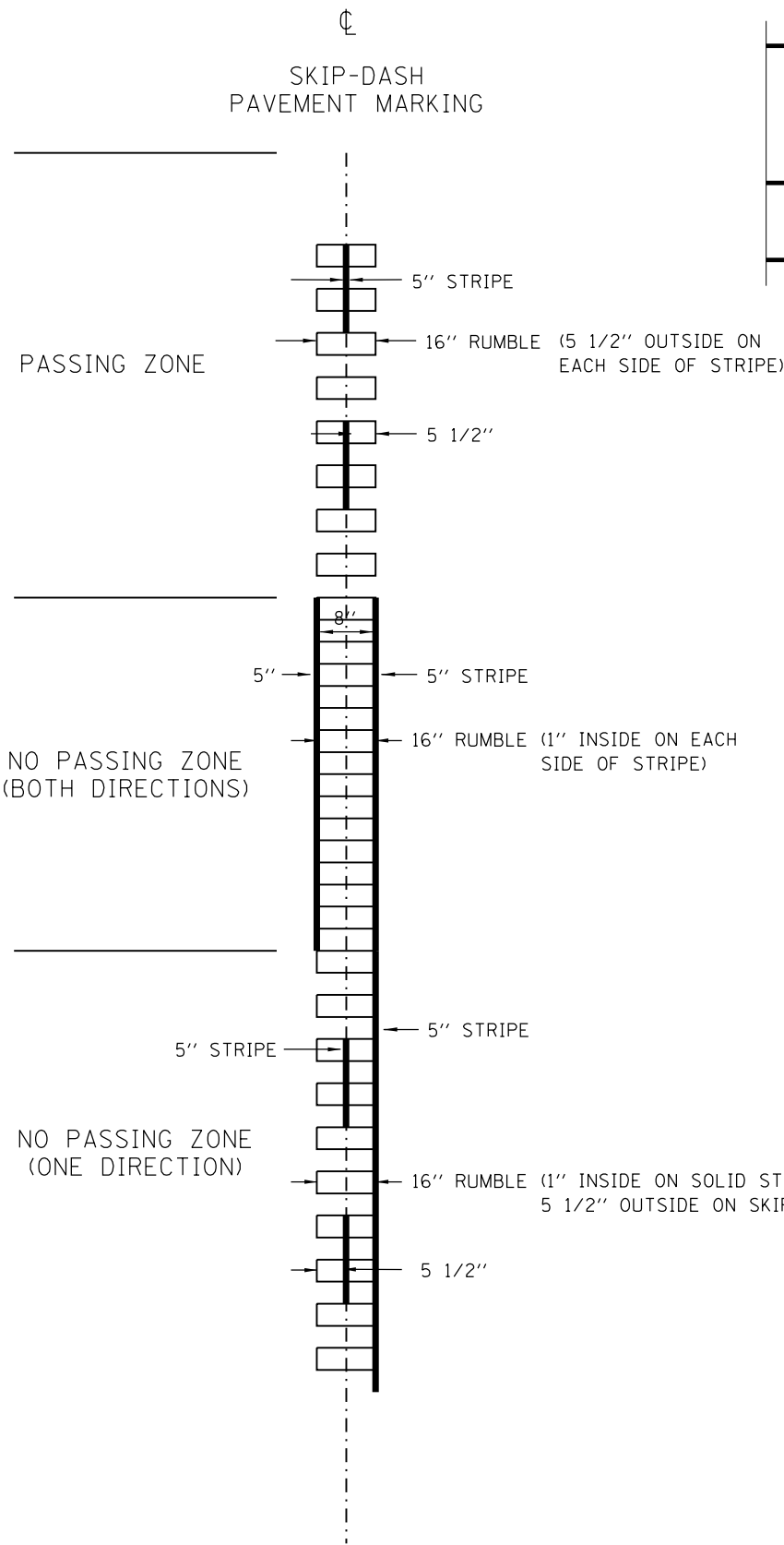
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERELEVATION DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662		SANGAMON	28	22
CONTRACT NO. 72F72				



GENERAL NOTES:

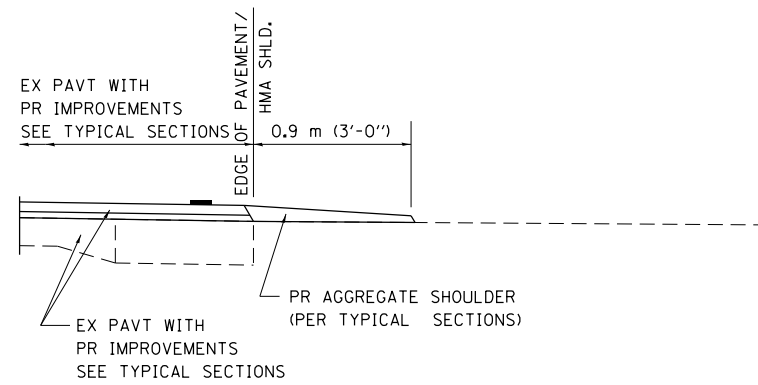
- SKIP OVER EXISTING (4' GAP, 2' ON EACH SIDE)) RAISED REFLECTIVE PAVEMENT MARKERS
- RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES.
- ALL RUMBLE STRIPS SHALL BE MILLED.
- CENTERLINE RUMBLE STRIPS SHALL NOT BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES.
- DISCONTINUE CENTERLINE RUMBLE STRIPS THROUGH THE LIMITS OF ALL LEFT TURN LANES, INCLUDING ANY LANE TAPER SECTIONS.

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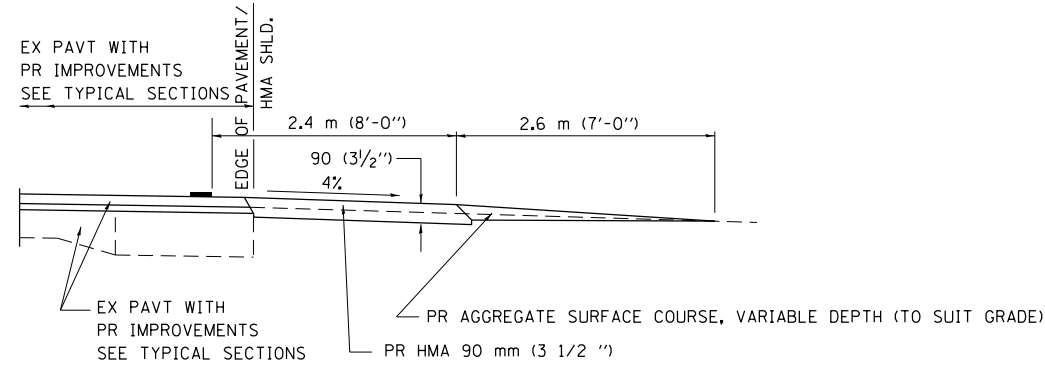
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CENTERLINE RUMBLE STRIP DETAIL			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

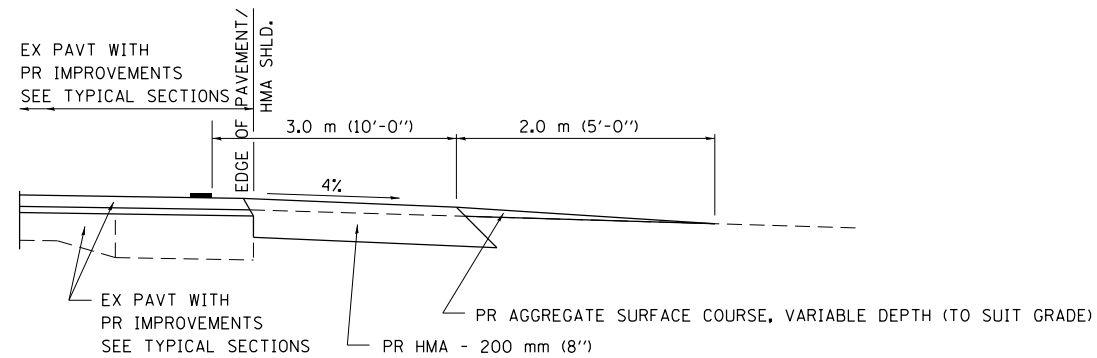
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	.	SANGAMON	28	23
CONTRACT NO. 72F72				
ILLINOIS FED. AID PROJECT				



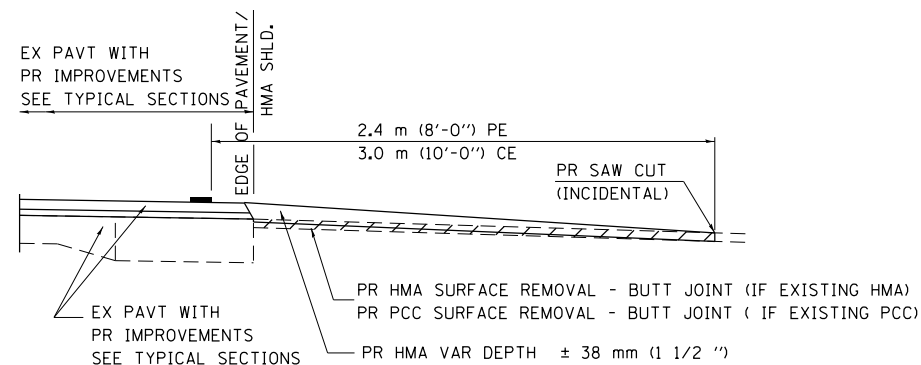
SECTION A-A FOR EX EARTH/ AGGREGATE FE



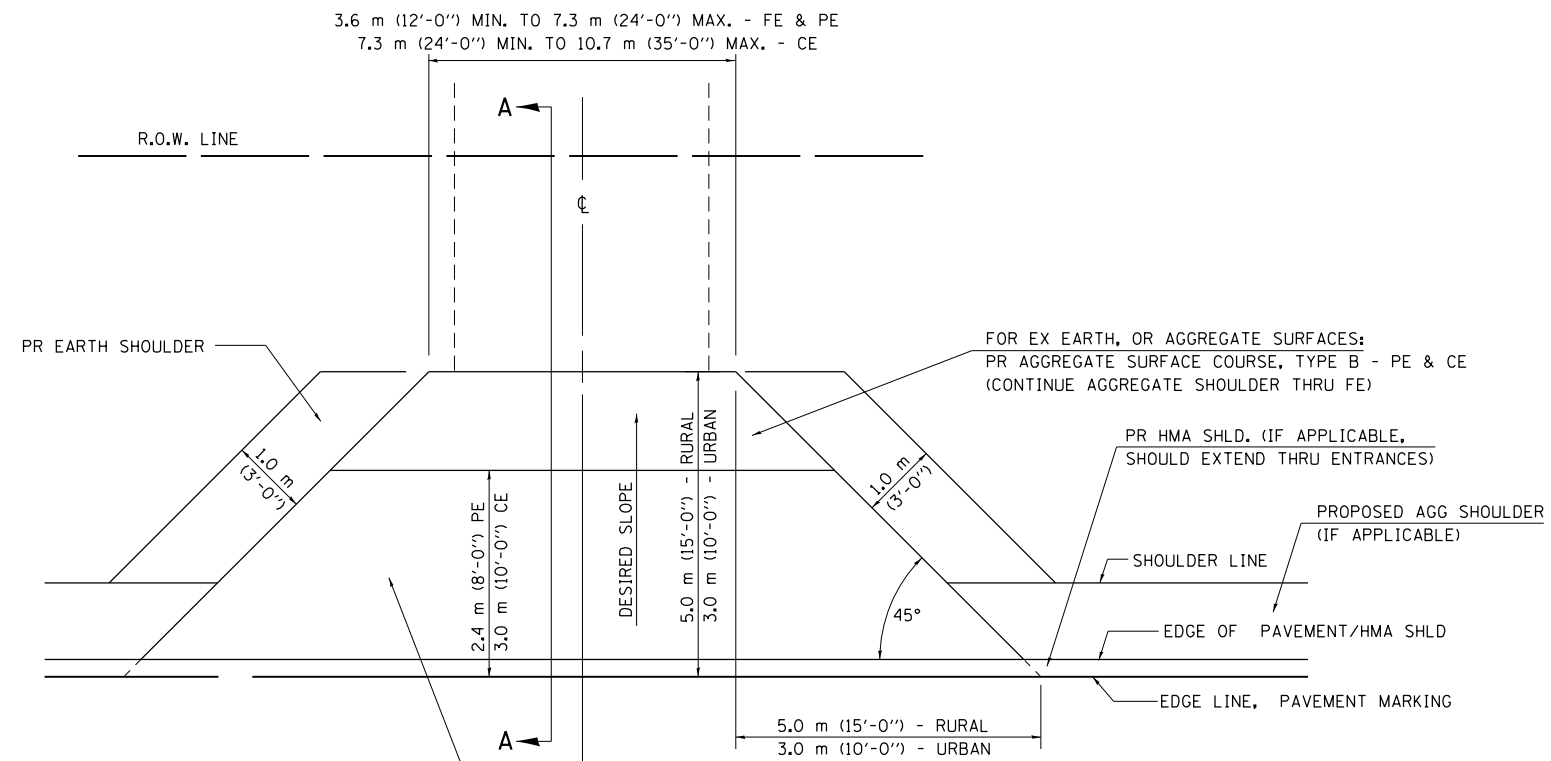
SECTION A-A FOR EX EARTH/AGGREGATE PE



SECTION A-A FOR EX EARTH/AGGREGATE CE & SIDE ROAD



SECTION A-A FOR EX HMA/ PC CONCRETE PE, CE & SIDE ROAD



FOR EX EARTH OR AGGREGATE SURFACES:
 PR HMA SURFACE REMOVAL (IF APPLICABLE)
 PR AGGREGATE SHOULDER THRU - FE
 PR HMA CONCRETE 90 mm (3 1/2 ") - PE
 PR HMA CONCRETE 200mm (8") - CE

FOR EX HMA CONCRETE SURFACES:
 PR HMA SURFACE REMOVAL-BUTT JOINT

FOR EX PCC SURFACES:
 PR PCC SURFACE REMOVAL-BUTT JOINT

GENERAL NOTES:

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

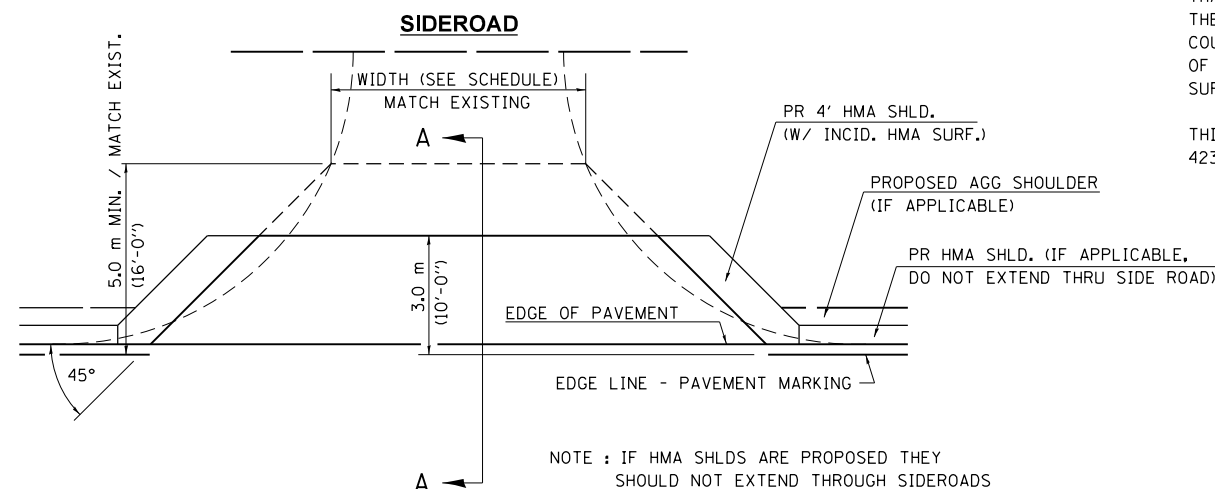
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

HMA CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE HMA CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 75 mm (3 INCHES) AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF HMA BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 50 mm (2 INCHES) SHALL MEET THE REQUIREMENTS OF HMA CONCRETE SURFACE COURSE, SUPERPAVE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.



NOTE : IF HMA SHLDS ARE PROPOSED THEY SHOULD NOT EXTEND THROUGH SIDEROADS

FILE NAME =	USER NAME = sparksgw	DESIGNED -	REVISED - 2/19/03 JCN
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		DATE - FEBRUARY 23, 1999	REVISED -

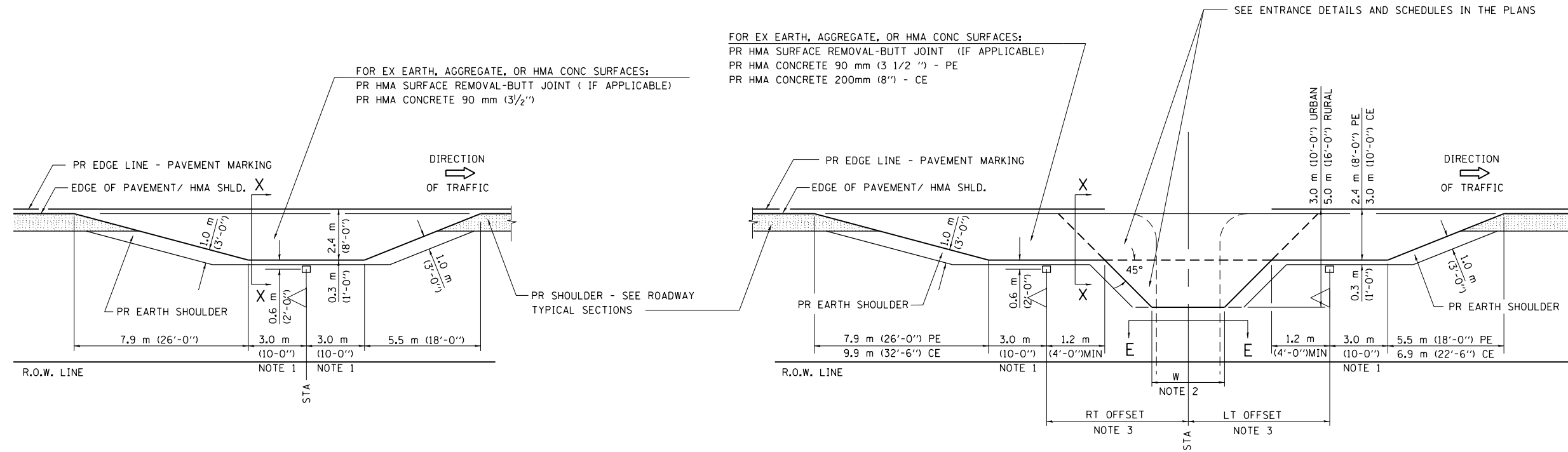
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DIST.6 DETAILS FOR RURAL/URBAN ENT., MAILBOX
 TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)**

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

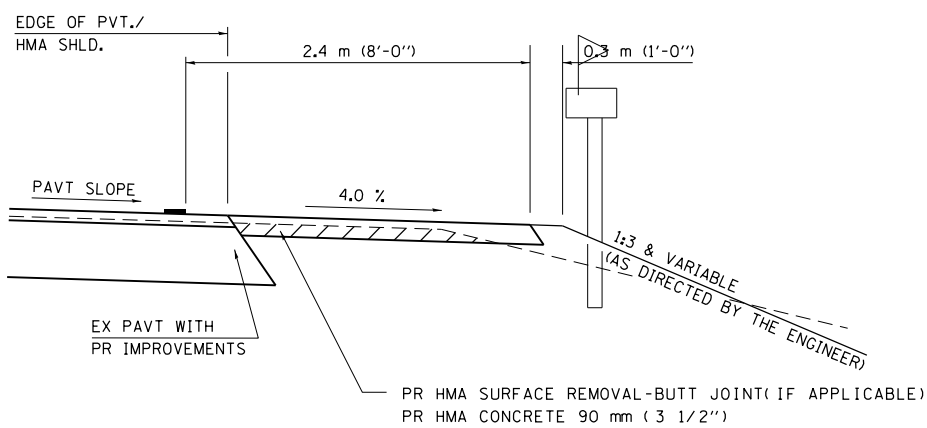
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	*	SANGAMON	28	24
CONTRACT NO. 72F72				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DETAILS OF MAILBOX TURNOUTS



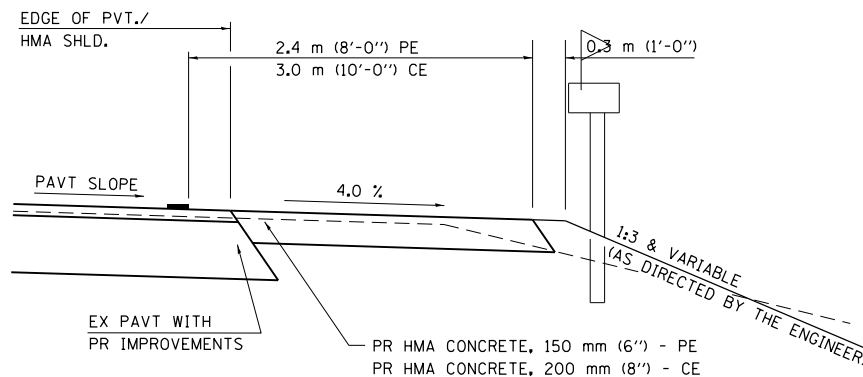
PLAN - MAILBOX TURNOUTS

PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



**SECTION X-X THRU MAILBOX TURNOUT
ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH
EX EARTH, AGGREGATE, OR HMA PE & FE**

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
IF EXISTING, TREAT SAME AS ENTRANCE.)



**SECTION X-X THRU MAILBOX TURNOUT
COMBINED WITH EX HMA CONC & PC CONC PE & CE**

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
IF EXISTING, TREAT SAME AS ENTRANCE.)

- NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.
- NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.
- NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES)
UNLESS OTHERWISE SHOWN.

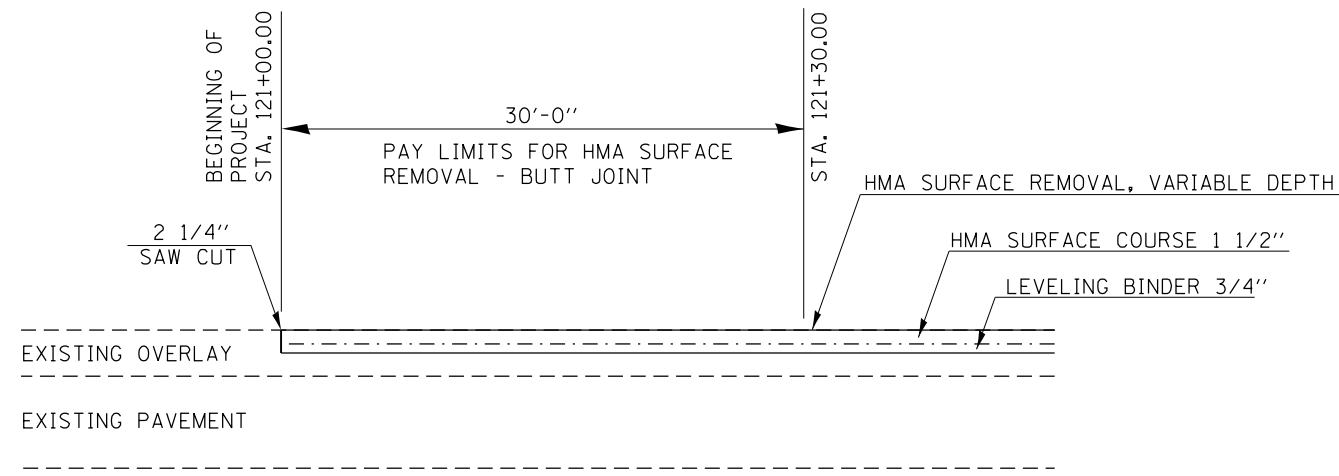
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

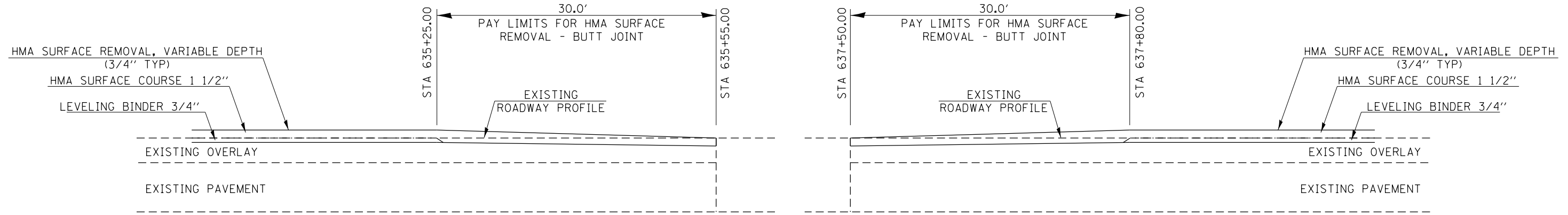
**DIST. 6 DETAILS FOR RURAL/URBAN ENT., MAILBOX
TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)**

SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

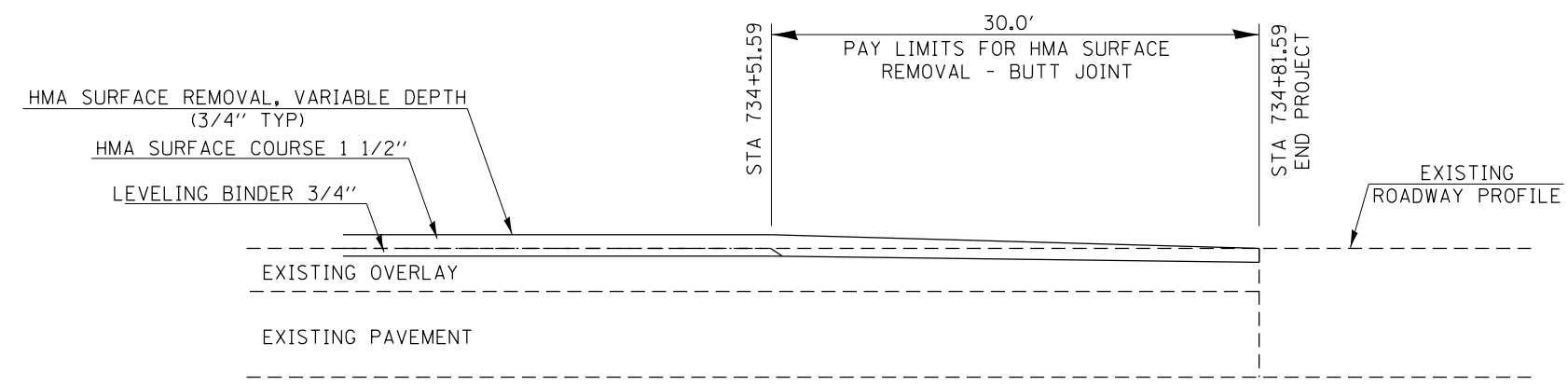
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662	.	SANGAMON	28	25
CONTRACT NO. 72F72				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



BUTT JOINT DETAIL
BEGINNING OF PROJECT

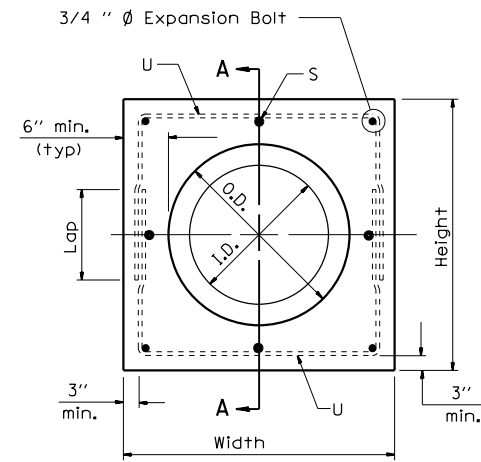


BUTT JOINT DETAIL
BRIDGE OMISSION

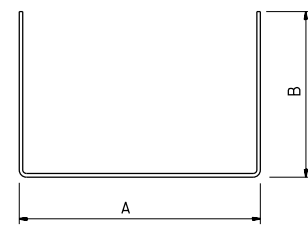
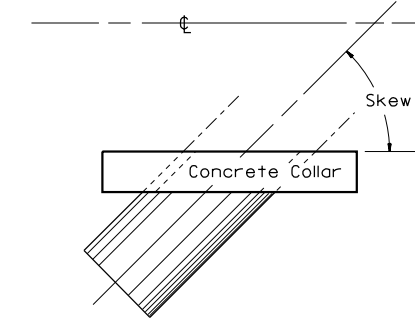
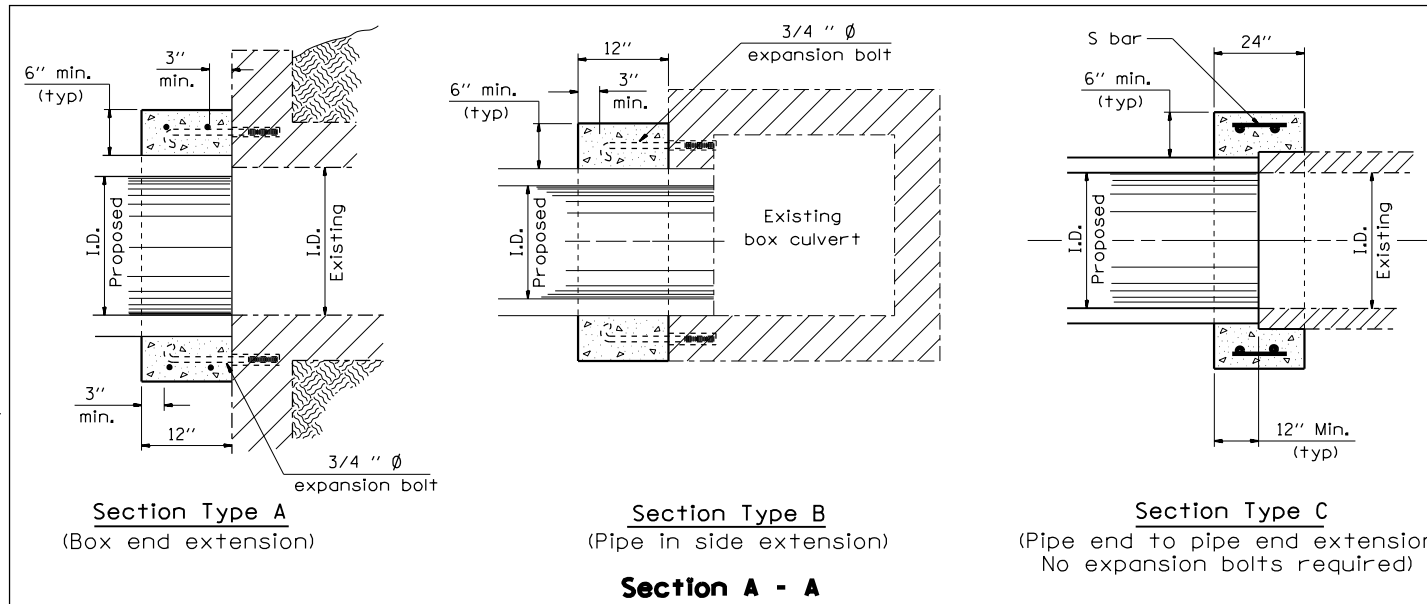


BUTT JOINT DETAIL
END OF PROJECT

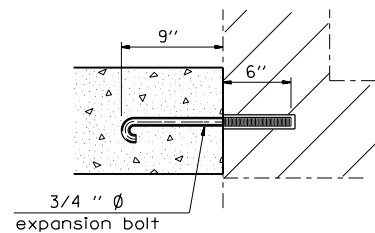
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PLOT DATE = Oct-19-2012 01:00:43PM	DATE -	REVISD -	SCALE:		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	* (H)RS-10, (C)RS-9, (P)RS-7		



PIPE CULVERT EXTENSION COLLAR



#4 U - bar

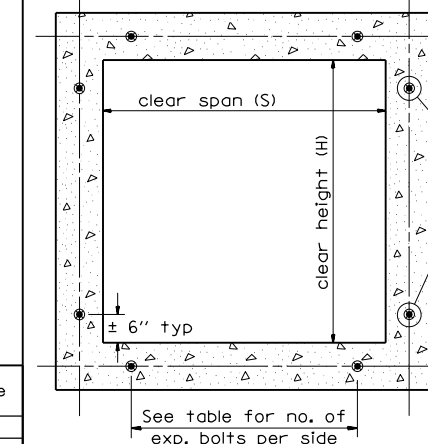


Expansion Bolt Detail

Notes:

- Expansion bolts shall consist of self drilling expansion shields and 3/4" Ø hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete. Minimum Certified Proof Load - 4,080 lbs.
- Use minimum of 1 (one) expansion bolt at each corner.

BOX CULVERT POURED IN PLACE EXTENSION



Section Thru Barrel

EXPANSION BOLTS REQUIRED FOR CULVERT EXTENSIONS

H or S	No. Expansion Bolts Req'd. Per Side		No. Expansion Bolts Req'd. Per Side	
	Extension ≤ 15ft	Extension > 15ft	Extension ≤ 15ft	Extension > 15ft
	No.	Spacing	No.	Spacing
24"	*	*	*	*
30"	2	18"	2	18"
36"	2	24"	2	24"
48"	3	18"	3	18"
60"	4	16"	3	24"
72"	5	15"	4	20"
84"	5	18"	4	24"
96"	6	17"	5	21"
108"	6	19"	5	24"
120"	7	18"	6	21"
132"	8	17"	6	24"
144"	8	19"	7	22"

Note: Number of expansion bolts in table based on non-skewed culverts.

* Use minimum 1 (one) expansion bolt in each corner.

Station	Section Type	Skew	Culvert		Collar		Reinforcement Bars										Expansion Bolts 3/4"	Class S1 Concrete Collar	
			Size	I.D.	O.D.	Height	Width	S bar					U bar						lb
708+99.36	A	0	2' X 2'	30"	37"	49"	49"	16	4	8"	16	4	3'-7"	2'-2"	8"	15'-10	92	16	1.5
722+48.37	A	0	2' X 2'	30"	37"	49"	49"	16	4	8"	16	4	3'-7"	2'-2"	8"	15'-10	92	16	1.5
Total																	32	3.0	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

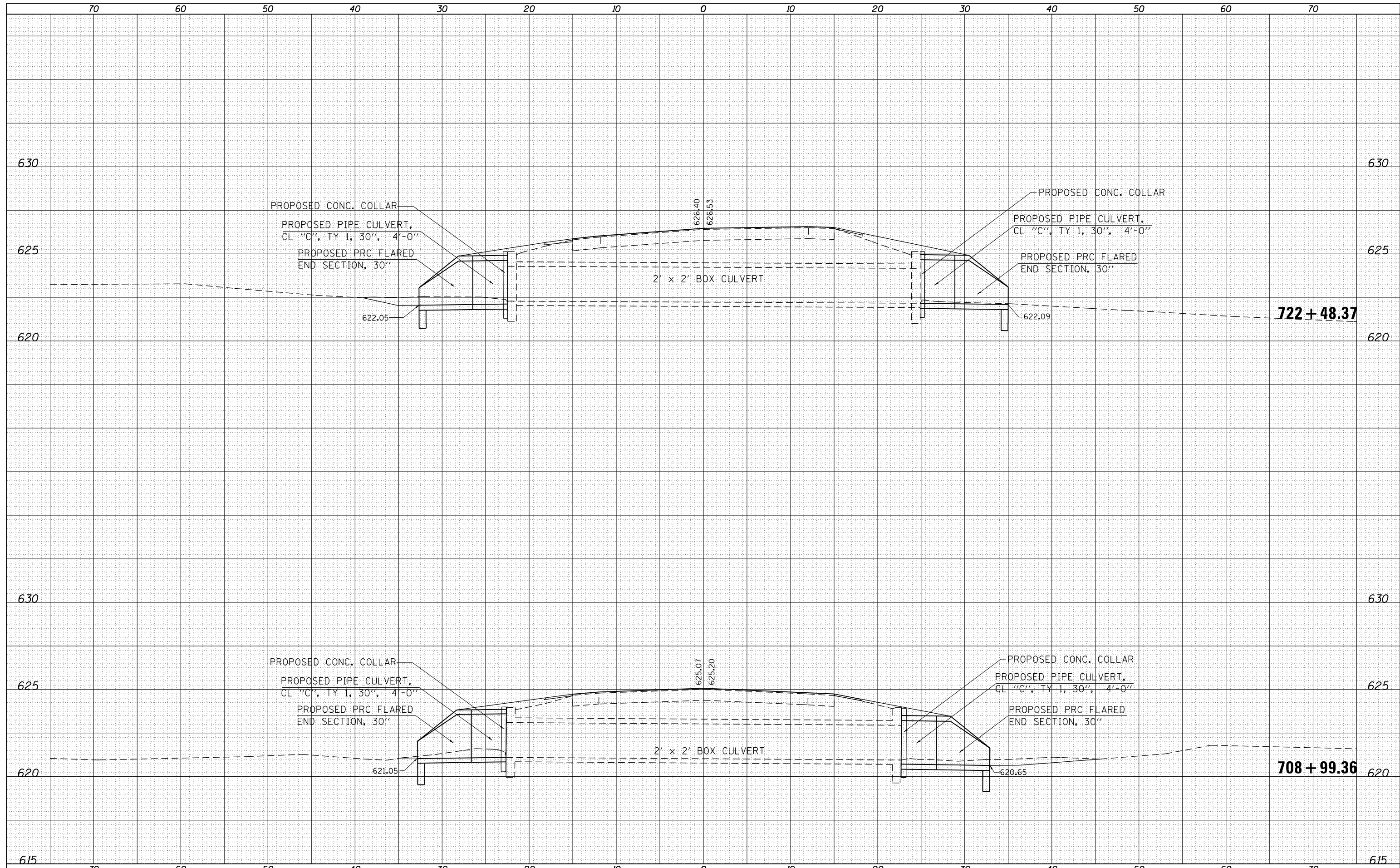
CONCRETE COLLAR AND
CULVERT EXTENSION DETAILS

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 662	SECTION	COUNTY SANGAMON	TOTAL SHEETS 28	SHEET NO. 27
CONTRACT NO. 72F72				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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



FILE NAME =	USER NAME = sparksq	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 29 - CROSS SECTIONS	FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	ct:\pw\work\pwidot\sparksq\ad0313593\0672F72-sh-xssh\dgn	DRAWN -	REVISD -			662	.	SANGAMON	28	28	
	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISD -			CONTRACT NO. 72F72					
	PLOT DATE = Oct-19-2012 01:00:45PM	DATE -	REVISD -			ILLINOIS FED. AID PROJECT (HRS-10, (CRS-9, (PIRS-7					
SCALE:						SHEET 1 OF 1 SHEETS		STA. 708+99.36 TO STA. 722+48.37			