

FOR INDEX OF SHEETS, SEE SHEET NO. 3

ADT FOR US 45:

RURAL LOCATION - 2013

ADT = 4600

PV = 4040

MU = 160

SU = 400

TRUCK = 3.5%

EXISTING EQUATION STATIONS:

EQ. STA. 582+58.7 (BK.) = STA. 582+50.0 (AH.)

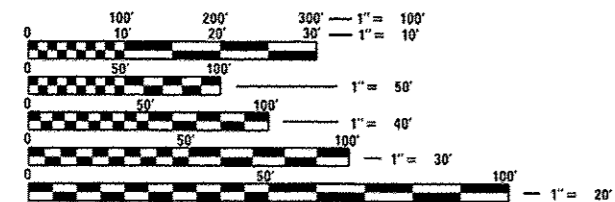
EQ. STA. 794+00.8 (BK.) = STA. 794+05.2 (AH.)

EQ. STA. 941+37.6 (BK.) = STA. 938+68.3 (AH.)

EQ. STA. 1008+78.6 (BK.) = STA. 1008+79.2 (AH.)

EQ. STA. 1021+58.9 (BK.) = STA. 1021+59.5 (AH.)

TOWNSHIPS: JOPPA AND METROPOLIS



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

PROJECT ENGINEER Charles Stein (618)351-5210

PROJECT MANAGER Brandy Maes (618)351-5292

CONTRACT NO. 78219

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

ROUTE FAS 960 (US 45)

SECTION 39RS-8, 40RS-10, 41RS-6

MASSAC COUNTY

3P RESURFACING

C-99-078-10
ACRS - 0960 (107)

PROJECT BEGINS
STA. 505+60

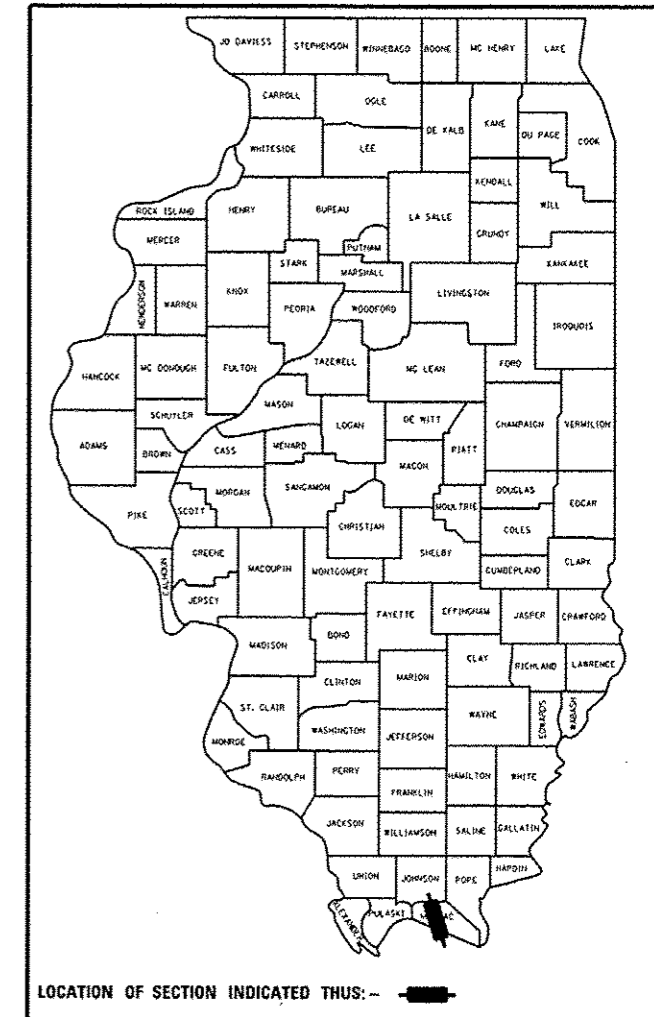
PROJECT ENDS
STA. 1060+97

GROSS LENGTH = 55809 FT. = 10.6 MILE

NET LENGTH = 55633 FT. = 10.5 MILE

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	1
ILLINOIS CONTRACT NO. 78219				

D-99-075-10



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 18 20 14

Jeffrey L. Keim
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 9 20 14
John D. Bararelli, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 9 20 14
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

Prepared By: *Joe Zamboni*
DISTRICT STUDIES & PLANS ENGINEER

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DISTRICT LAND ACQUISITION ENGINEER

Examined By: *Carrie Nelson*
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: *Keith Hill*
DISTRICT OPERATIONS ENGINEER

Examined By: *K.R.L.*
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: *David J. Mullis*
DISTRICT CONSTRUCTION ENGINEER

Examined By: *Steve P. Biles*
DISTRICT MATERIALS ENGINEER

Approved By: _____
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

20

DATE

FILE NAME *	USER NAME * USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNATURE SHEET				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
o:\p\work\p\p\d\c\h\l\m\g\l\c\0259123\782	shen.dgn	DRAWN -	REVISED -		960	39RS-8, 40RS-10, 41RS-6	Massac	38	2				
	PLOT SCALE * 1/8"=1'-0"	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				ILLINOISIFIED AID PROJECT		78219		
	PLOT DATE * 3/14/2014	DATE -	REVISED -										

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, STANDARDS & MIXTURE REQUIREMENTS
4	GENERAL NOTES
5-6	SUMMARY OF QUANTITIES
7-9	TYPICAL SECTIONS
10	RESURFACING SCHEDULE
11	SIDEROADS RESURFACING SCHEDULE
12	ENTRANCES RESURFACING SCHEDULE
13-14	PAVEMENT MARKING SCHEDULE
15	SIDEROAD PAVEMENT MARKING SCHEDULE
16-34	PLAN SHEETS
35	DETAILS - BUTT JOINT & MILLING TRANSITION
36	DETAILS - SIDEROADS AND ENTRANCES
37	TEMPORARY HOT-MIX ASPHALT TRANSITIONS
38	DETAIL - UNEVEN LANES AND ROUGH GROOVED SURFACE SIGNS

STRUCTURE NO.	OPERATING RATING	INVENTORY RATING	POSTING	MTD USE
064-0002	2.295	1.29	NONE	Empty
064-0003	1.745	1.05	NONE	Empty
064-7030	NA	NA	NONE	Empty
064-7031	NA	NA	NONE	Empty
064-7032	NA	NA	NONE	Empty
064-7033	NA	NA	NONE	Empty
064-7034	NA	NA	NONE	Empty
064-7035	NA	NA	NONE	Empty
067-7036	NA	NA	NONE	Empty
064-7037	NA	NA	NONE	Empty
064-7038	NA	NA	NONE	Empty

STANDARDS

000001-06	701306-03
406201-01	701311-03
442201-03	701336-06
701001-02	701901-03
701006-05	780001-04
701011-04	781001-03
701301-04	701426-06

MIXTURE REQUIREMENTS

Locations	Hot-Mix Asphalt Surface Course
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix D, N90
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 90 Gyration Design
Mixture Composition (Gradation Mixture)	IL-9.5mm
Friction Aggregate:	D Surface
Quality Management Program:	QCP

Locations	Hot-Mix Asphalt Leveling Binder
Mixture Use(s):	Hot-Mix Asphalt Leveling Binder, N90, 9.5mm Fine Grade
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 90 Gyration Design
Mixture Composition (Gradation Mixture)	IL-9.5mm Fine Grade
Friction Aggregate:	None
Quality Management Program:	QCP

Locations	Class D Patching
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N90, IL-19.0mm Fine Grade
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 90 Gyration Design
Mixture Composition (Gradation Mixture)	IL-19.0mm Fine Grade
Friction Aggregate:	None
Quality Management Program:	QC/OA

Locations	Incidental HMA Surface
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N90
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 90 Gyration Design
Mixture Composition (Gradation Mixture)	IL-9.5mm
Friction Aggregate:	C Surface
Quality Management Program:	QC/OA

GENERAL NOTES

THE THICKNESS OF HOT MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT MIX ASPHALT MIXTURE IS PLACED.

BITUMINOUS RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF A DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN 600 METERS (2,000 FT.) THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE ADJACENT LANE ON THE FOLLOWING WORK DAY.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES.

ALL HOT MIX ASPHALT	2.016 TONS/CU. YD.
ALL AGGREGATE	2.05 TONS/CU. YD.
AGGREGATE (PRIME COAT)	0.0015 TONS/SQ. YD.

THE QUANTITY OF SHORT-TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE HMA SURFACE REMOVAL, BINDER COURSE AND SURFACE COURSE.

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHALL CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

THE CONTRACTOR SHALL STAMP STATIONING IN THE HOT MIX ASPHALT SURFACE AT 300 FT. INTERVALS ON THE OUTSIDE EDGE OF PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR, THEY SHALL BE 5 1/2 IN. TALL OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

EXISTING CONCRETE PATCHES ENCOUNTERED DURING THE MILLING OPERATIONS SHALL BE MILLED WITH THE SURROUNDING BITUMINOUS SURFACE REMOVAL, NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

SAW CUTS REQUIRED FOR BUTT JOINTS SHALL BE INCLUDED IN THE COST OF THE BUTT JOINT.

THE QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT OF PATCHING REQUIRED SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. THE PATCHING SURVEY DATE WAS JANUARY 7 AND FEBRUARY 19, 2014.

FILE NAME # <small>ca:\pwork\pvidoc\hall\gbl\026923\78219-plt-pln.dgn</small>	USER NAME = #USER# <small>plt-pln.dgn</small>	DESIGNED - DRAWN -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.S. RTE. 96D	SECTION 39R5-8, 40R5-10, 41R5-6	COUNTY Massac	TOTAL SHEETS 38	SHEET NO. 4
				SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 78219 <small>ILLINOIS FED. AID PROJECT</small>				

MISS 11/17

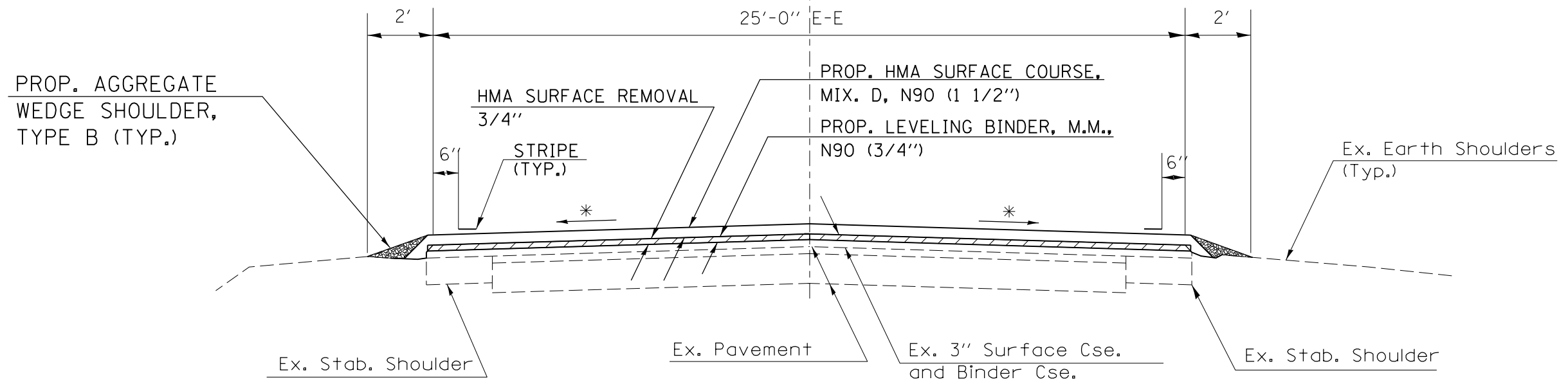
CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	16690
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	154159
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	240
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	52788
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	707
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	707
<input type="checkbox"/> X2503100	MOWING	UNIT	555
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	107811
* X7801004	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	154159
* X7801024	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	240
Z0034105	MATERIAL TRANSFER DEVICE	TON	19849

* SPECIALTY ITEM
 NON-PART. (100% STATE)

FILE NAME *	USER NAME * #USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
c:\pwork\pwork\hollagbl\0269923\7821	ehs-plan.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	960	39RS-8, 40RS-10, 41RS-6	Mossac	38	6
	PLOT SCALE = 100.0000 / 1" = 100'	CHECKED -	REVISED -		CONTRACT NO. 78219										
	PLOT DATE = 3/28/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

TYPICAL SECTION #1

RURAL
 FAS 960
 (US 45)



TO BE USED:
 STA. 505+60 TO STA. 531+52.76
 STA. 532+09.24 TO STA. 582+58.70 (BK)
 STA. 582+50.00 (AH) TO STA. 754+95.74
 STA. 756+15.24 TO STA. 780+00

* MATCH EX. SLOPE

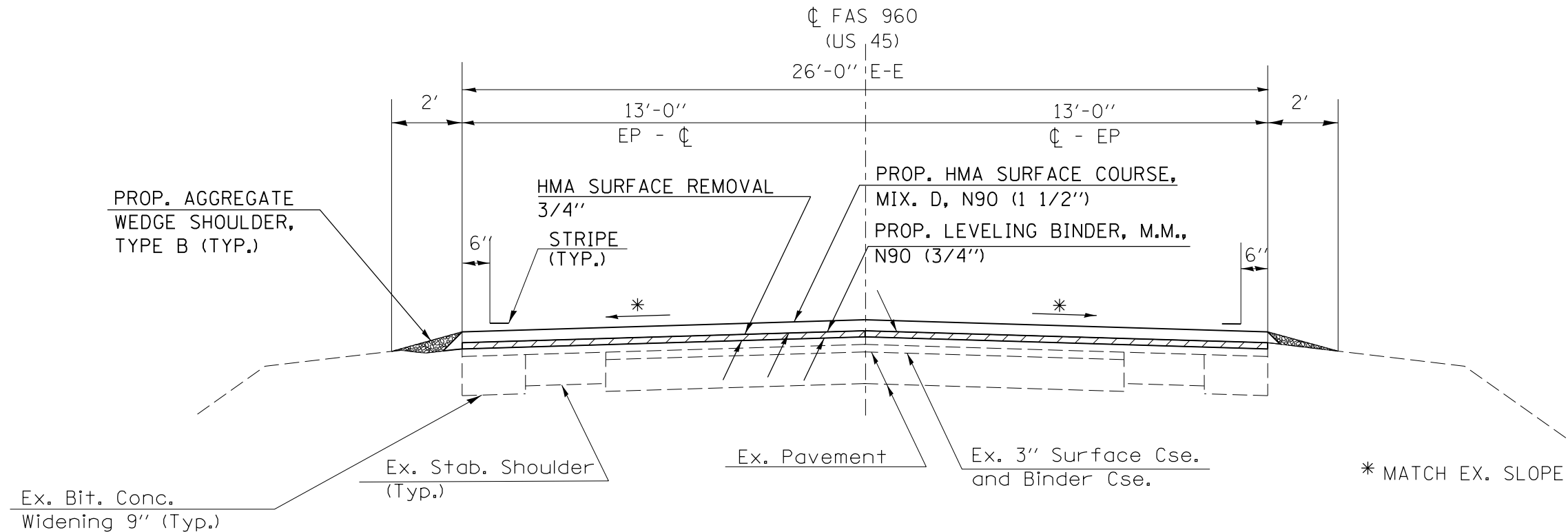
STRUCTURE OMISSIONS:

SN 064-0002
 STA. 531+52.76 TO STA. 532+09.24

SN 064-0003
 STA. 754+95.74 TO STA. 756+15.24

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION #1			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\hollayb1\00269923\7821\p-sht-plan.dgn	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					960	39RS-8, 40RS-10, 41RS-6	Massac	38	7
	PLOT DATE = 3/20/2014	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 78219				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

TYPICAL SECTION #2
RURAL

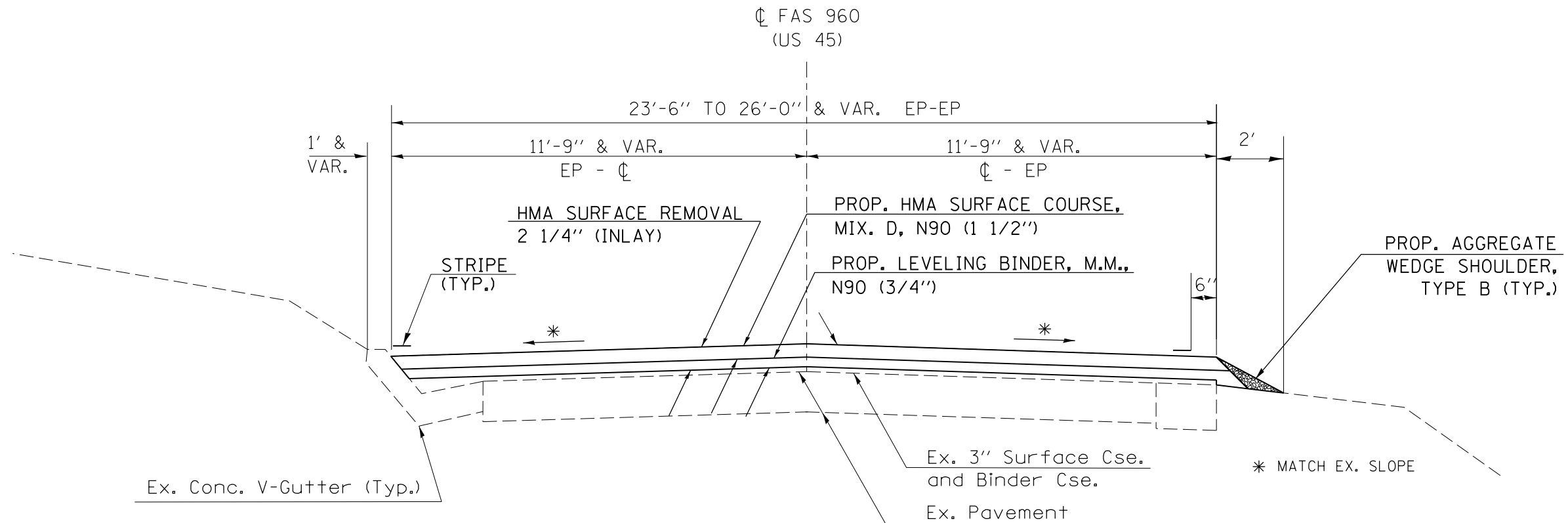


TO BE USED:

- STA. 780+00 TO STA. 794+00.80 (BK.)
- STA. 794+05.20 (AH.) TO STA. 795+49
- STA. 819+14 TO STA. 932+50
- STA. 940+89 TO STA. 941+37.60 (BK.)
- STA. 938+68.30 (AH.) TO STA. 981+03
- STA. 989+74 TO STA. 997+60
- STA. 1005+00 TO STA. 1008+78.6 (BK.)
- STA. 1008+79.2 (AH.) TO STA. 1021+58.9 (BK.)
- STA. 1021+59.5 (AH.) TO STA. 1060+97

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION #2			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\hollayb1\0269923\7821\p-sht-plan.dgn		DRAWN -	REVISED -					960	39RS-8, 40RS-10, 41RS-6	Massac	38	8
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 78219				
	PLOT DATE = 3/20/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

TYPICAL SECTION #3 RURAL



V-GUTTER SECTION TO BE USED:

STA. 795+49 TO STA. 815+97 RT & LT
 STA. 815+97 TO STA. 819+14 LT
 STA. 932+50 TO STA. 936+94 RT
 STA. 936+94 TO STA. 939+31 RT & LT
 STA. 939+31 TO STA. 940+89 RT
 STA. 981+03 TO STA. 982+13 RT
 STA. 982+13 TO STA. 986+83 RT & LT
 STA. 986+83 TO STA. 989+74 RT
 STA. 997+60 TO STA. 998+13 LT
 STA. 998+13 TO STA. 1005+00 RT & LT

AGG. SHLD. SECTION TO BE USED:

STA. 815+97 TO STA. 819+14 RT
 STA. 932+50 TO STA. 936+94 LT
 STA. 939+31 TO STA. 940+89 LT
 STA. 981+03 TO STA. 982+13 LT
 STA. 986+83 TO STA. 989+74 LT
 STA. 997+60 TO STA. 998+13 RT

FILE NAME =	USER NAME = \$USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION #3			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
et:\pwork\pwork\hollayb1\0269923\7821	h-sh-t-plan.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	960	39RS-8, 40RS-10, 41RS-6	Massac	38	9
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 78219										
	PLOT DATE = 3/20/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

RESURFACING SCHEDULE

LOCATION STATION TO STATION			LENGTH (FT)	ROADWAY WIDTH (FT)	AGG. SHLD. WIDTH (FT)	ROADWAY AREA (SQ YD)	HMA SURF. REM. - BUTT JT. (SQ YD)	HMA SURF. REM. 3/4" (SQ YD)	HMA SURF. REM. 2 1/4" (SQ YD)	TEMP RAMP (SQ YD)	HMA SUR. CSE. 1 1/2" (TON)	HMA LEV. BINDER 3/4" (TON)	BIT. MAT. (PRIME COAT) (LBS)	AGG. WEDGE SHLD., TY. B (TON)	NOTES
505+60.00	TO	531+52.76	2592.76	25.0	2.0	7202	83	7202		14	608	302	4861	98	
SN 064-0002 Sta. 531+52.76 to Sta. 532+09.24							186			31					
532+09.24	TO	582+58.70	5049.46	25.0	2.0	14026		14026			1184	589	9468	192	
Eq. Sta. 582+58.70 (bk) = Sta. 582+50.00 (AH)															
582+50.00	TO	754+95.74	17245.74	25.0	2.0	47905		47905			4045	2012	32336	655	
SN 064-0003 Sta. 754+95.74 to Sta. 756+15.24							186			31					
756+15.24	TO	780+00.00	2384.76	25.0	2.0	6624		6624			559	278	4471	91	
780+00.00	TO	794+00.80	1400.8	26.0	2.0	4047		4047			342	170	2732	53	
Eq. Sta. 794+00.80 (bk) = 794+05.20 (ah)															
794+05.20	TO	795+49.00	143.8	26.0	2.0	415		415			35	17	280	5	
795+49.00	TO	815+97.00	2048	24.8		5643			5643		474	237	3809		
815+97.00	TO	819+14.00	317	24.8	2.0	874			874		74	37	590	6	Agg. Shld. RT only
819+14.00	TO	932+50.00	11336	26.0	2.0	32748		32748			2764	1375	22105	430	
932+50.00	TO	936+94.00	444	24.8	2.0	1223			1223		103	52	826	8	Agg. Shld. LT only
936+94.00	TO	939+31.00	237	24.8		653			653		55	27	441		
939+31.00	TO	940+89.00	158	24.8	2.0	435			435		37	18	294	3	Agg. Shld. LT only
940+89.00	TO	941+37.60	48.6	26.0	2.0	140		140			12	6	95	2	
Eq. Sta. 941+37.60 (bk) = Sta. 938+68.30 (ah)															
938+68.30	TO	981+03.00	4234.7	26.0	2.0	12234		12234			1033	514	8258	161	
981+03.00	TO	982+13.00	110	24.8	2.0	303			303		26	13	205	2	Agg. Shld. LT only
982+13.00	TO	986+83.00	470	24.8		1295			1295		109	54	874		
986+83.00	TO	989+74.00	291	24.8	2.0	802			802		68	34	541	6	Agg. Shld. LT only
989+74.00	TO	997+60.00	786	26.0	2.0	2271		2271			192	95	1533	30	
997+60.00	TO	998+13.00	53	24.8	2.0	146			146		12	6	99	1	Agg. Shld. RT only
998+13.00	TO	1005+00.00	687	24.8		1893			1893		159	80	1278		
1005+00.00	TO	1008+78.60	378.6	26.0	2.0	1094		1094			92	46	738	14	
Eq. Sta. 1008+78.60 (bk) = Sta. 1008+79.20 (ah)															
1008+79.20	TO	1021+58.90	1279.7	26.0	2.0	3697		3697			312	155	2495	49	
Eq. Sta. 1021+58.90 (bk) = Sta. 1021+59.50 (ah)															
1021+59.50	TO	1060+97.00	3937.5	26.0	2.0	11375	87	11375		14	960	478	7678	149	
PROJECT TOTALS			55633			157046	542	143778	13268	90	13254	6595	106007	1955	

SIDEROADS RESURFACING SCHEDULE

LOCATION			EDGE OF PAV' T.	15' BK. FROM EP.	SURFACE TYPE	ROADWAY AREA	HOT-MIX ASP. SURF. REMOV. - BUTT JT.	INCIDENTAL HOT-MIX ASP. SUR.
			FOR INFORMATIONAL PURPOSE ONLY					
			(FT)	(FT)		(SQ YD)	(SQ YD)	(TON)
FAS 960 - STA. 505+60 to STA. 1060+67								
Rt.	Grinell Rd.	581+79.00	80	36	Oil & Chip	97		22
Lt.	Teague Hill Rd.	584+96.00	91	50	Oil & Chip	118		26
Rt.	Schneeman Rd.	720+13.00	78	30	Agg.	90		20
Lt.	Macedonia Rd.	720+13.00	80	34	Agg.	95		21
Rt.	Burnett Rd.	772+93.00	78	30	Agg.	90		20
Lt.	Mt. Mission Rd.	844+21.00	60	21	Oil & Chip	68		15
Rt.	Crim Rd.	844+21.00	72	33	Oil & Chip	88		20
Lt.	Joppa Rd.	890+15.00	91	47	Oil & Chip	115		26
Rt.	Joppa Rd.	890+15.00	162	78	Bit.	200	200	45
Lt.	Liberty Ridge Rd.	912+33.00	58	47	Oil & Chip	88		20
Lt.	Rocky Branch Rd.	912+74.00	67	30	Oil & Chip	81		18
Rt.	Liberty Ridge Rd.	912+33.00	58	29	Agg.	73		16
Lt.	Country Club Rd.	951+36.00	82	45	Oil & Chip	106		24
Rt.	Ame. Elec. Power	955+00.00	95	46	Oil & Chip	118		26
Lt.	Doug Sumner Rd.	1003+63.00	43	22	Oil & Chip	54		12
Rt.	Doug Sumner Rd.	1003+63.00	70	35	Oil & Chip	88		20
Lt.	Mt. Mission Rd.	1034+79.00	99	45	Oil & Chip	120		27
Lt.	Allied Chem. Ent.	1035+32.00	120	57	Oil & Chip	148		33
Rt.	Allied Chem. Ent.	1043+24.00	81	40	PCC	101	101	23
Lt.	Airport Rd.	1058+56.00	99	55	Oil & Chip	128		29
TOTALS							301	463

ENTRANCES RESURFACING SCHEDULE

NUMBER	ENTRANCE TYPE	EXIST. SURFACE	EP WIDTH	WIDTH AT 4' OFFSET	ROADWAY AREA	INCIDENTAL HMA SURFACING (TON)	BIT. MAT. (PRIME COAT) (LBS)	AGGREGATE WEDGE (See Note 1) (TON)
		FOR INFORMATIONAL PURPOSE ONLY						
			(FT)	(FT)	(SQ YD)			
FAS 960 - STA. 505+60 to STA. 1060+97								
29	Private Ent.	Agg.	16	12	180	15	122	6.5
5	Private Ent.	Bit.	16	12	31	2	21	
5	Private Ent.	Oil & Chip	16	12	31	3	21	1.1
1	Private Ent.	PCC	16	12	6	1	4	
8	Comm. Ent.	Agg.	35	30	116	10	78	1.8
8	Comm. Ent.	Bit.	35	30	116	6	78	
3	Comm. Ent.	Oil & Chip	35	30	43	4	29	0.7
6	Comm. Ent.	PCC	35	30	87	5	59	
13 Mailbox Turnouts								
TOTALS						46	412	11.0

Note 1: Amount of Aggregate Wedge at back of entrances is included in the cost of AGGREGATE WEDGE SHOULDERS, TYPE B.

Note 2: Amount of Aggregate for existing mailbox turnouts was calculated at 1.2 tons each and is included in the cost of AGGREGATE WEDGE SHOULDERS, TYPE B.

PAVEMENT MARKING SCHEDULE

STATION TO STATION			WET REFLECTIVE THERMOPLASTIC				TEMPORARY				SHORT-TERM	WORK ZONE PAVEMENT MARKING REMOVAL	REMARKS
			4 INCH			24 INCH	4 INCH			24 INCH			
			WHITE EDGELINE	YELLOW SKIP-DASH	YELLOW SOLID		WHITE EDGELINE	YELLOW SKIP-DASH	YELLOW SOLID		4 INCH		
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SO FT		
505+60.00	TO	531+52.76	5186	648			5186	648			778	2182	PZ RT<
SN 064-0002: STA. 531+52.76 TO STA. 532+09.24													
532+09.24	TO	582+58.70	10099	1262			10099	1262			1515	4249	PZ RT<
Eq. Sta. 582+58.70 (bk.) = Sta. 582+50.00 (ah.)													
582+50.00	TO	754+95.74	34491	4311			34491	4311			5174	14512	PZ RT<
SN 064-0003: STA. 754+95.74 TO STA. 756+15.24													
756+15.24	TO	777+01.00	4172	521			4172	521			626	1755	PZ RT<
777+01.00	TO	784+93.00	1584	198	792		1584	198	792		238	928	PZ RT, NPZ LT
784+93.00	TO	786+20.00	254		254		254		254		38	180	NPZ RT<
786+20.00	TO	794+00.80	1562	195	781		1562	195	781		234	915	NPZ RT, PZ LT
Eq. Sta. 794+00.80 (bk.) = Sta. 794+05.20 (ah.)													
794+05.20	TO	794+96.00	182	23	91		182	23	91		27	107	NPZ RT, PZ LT
794+96.00	TO	797+60.00	528	66			528	66			79	222	PZ RT<
797+60.00	TO	808+37.00	2154	269	1077		2154	269	1077		323	1262	PZ RT, NPZ LT
808+37.00	TO	811+54.00	634		634		634		634		95	450	NPZ RT<
811+54.00	TO	821+25.00	1942	243	971		1942	243	971		291	1138	NPZ RT, PZ LT
821+25.00	TO	842+27.00	4204	526			4204	526			631	1769	PZ RT<
842+27.00	TO	853+35.00	2216	277	1108		2216	277	1108		332	1298	PZ RT, NPZ LT
853+35.00	TO	893+59.00	8048		8048		8048		8048		1207	5710	NPZ RT<
893+59.00	TO	904+89.00	2260	283	1130		2260	283	1130		339	1324	NPZ RT, PZ LT
904+89.00	TO	922+47.00	3516	440			3516	440			527	1480	PZ RT<
922+47.00	TO	934+30.00	2366	296	1183		2366	296	1183		355	1386	PZ RT, NPZ LT
934+30.00	TO	941+37.60	1415	177	708		1415	177	708		212	829	NPZ RT, PZ LT
Eq. Sta. 941+37.60 (bk.) = Sta. 938+68.30 (ah.)													
SHEET SUBTOTAL			86812	9735	16777	0	86812	9735	16777	0	13022	41694	

*Schedule continued on next sheet

** PZ = PASSING ZONE, NPZ = NO PASSING ZONE

PAVEMENT MARKING SCHEDULE CONT.

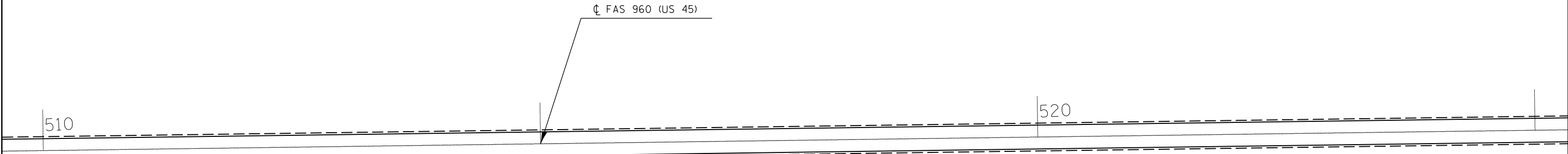
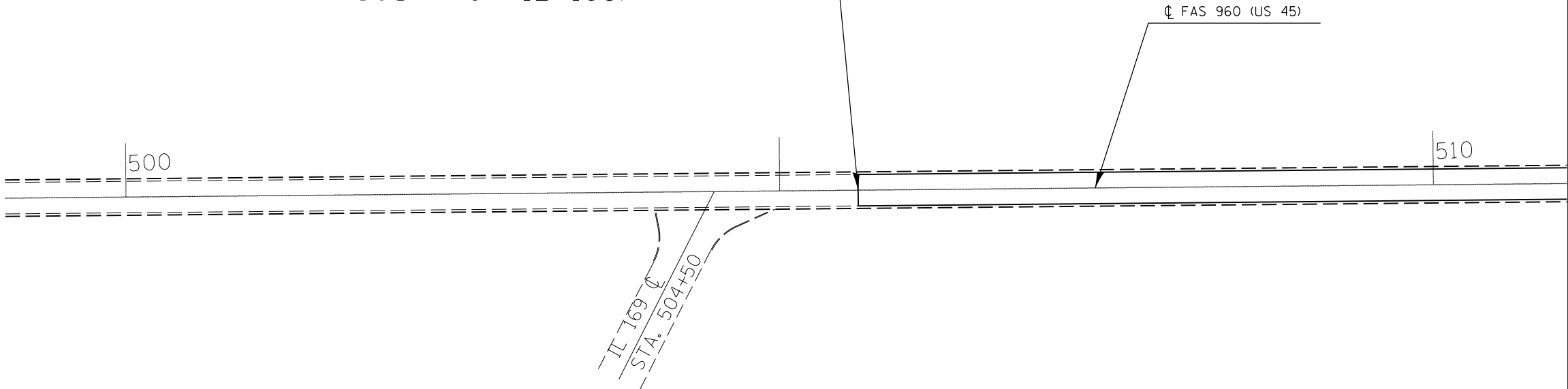
STATION TO STATION	WET REFLECTIVE THERMOPLASTIC				TEMPORARY				SHORT-TERM	WORK ZONE PAVEMENT MARKING REMOVAL	REMARKS		
	4 INCH			24 INCH	4 INCH			24 INCH					
	WHITE EDGELINE	YELLOW SKIP-DASH	YELLOW SOLID		WHITE EDGELINE	YELLOW SKIP-DASH	YELLOW SOLID						
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT			SQ FT	
Eq. Sta. 941+37.60 (bk.) = Sta. 938+68.30 (ah.)													
938+68.30	TO	943+17.00	897	112	449		897	112	449		135	526	NPZ RT, PZ LT
943+17.00	TO	951+04.00	1574	197			1574	197			236	662	PZ RT<
951+04.00	TO	962+18.00	2228	279	1114		2228	279	1114		334	1305	PZ RT, NPZ LT
962+18.00	TO	981+55.00	3874		3874		3874		3874		581	2749	NPZ RT<
981+55.00	TO	991+85.00	2060	258	1030		2060	258	1030		309	1207	NPZ RT, PZ LT
991+85.00	TO	993+96.00	422	53			422	53			63	178	PZ RT<
993+96.00	TO	1004+20.00	2048	256	1024		2048	256	1024		307	1200	PZ RT, NPZ LT
1004+20.00	TO	1008+78.60	917		917		917		917		138	651	NPZ RT<
Eq. Sta. 1008+78.60 (bk.) = Sta. 1008+79.20 (ah.)													
1008+79.20	TO	1017+35.00	1712		1712		1712		1712		257	1215	NPZ RT<
1017+35.00	TO	1021+58.90	848	106	424		848	106	424		127	497	NPZ RT, PZ LT
Eq. Sta. 1021+58.90 (bk.) = Sta. 1021+59.50 (ah.)													
1021+59.50	TO	1027+88.00	1257	157	629		1257	157	629		189	736	NPZ RT, PZ LT
1027+88.00	TO	1039+97.00	2418	302			2418	302			363	1017	PZ RT<
1039+97.00	TO	1049+47.00	1900	238	950		1900	238	950		285	1113	PZ RT, NPZ LT
1049+47.00	TO	1060+97.00	2300		2300		2300		2300		345	1632	NPZ RT<
SHEET SUBTOTAL			24455	1958	14423	0	24455	1958	14423	0	3668	14686	
TOTALS			154160			0	154160			0	16690	56380	

** PZ = PASSING ZONE, NPZ = NO PASSING ZONE

SIDEROAD PAVEMENT MARKING SCHEDULE

STATION TO STATION			WET REFLECTIVE THERMOPLASTIC				TEMPORARY				SHORT-TERM	WORK ZONE PAVEMENT MARKING REMOVAL
			4 INCH			24 INCH	4 INCH			24 INCH	4 INCH	
			WHITE EDGELINE	YELLOW SKIP-DASH	YELLOW SOLID		WHITE EDGELINE	YELLOW SKIP-DASH	YELLOW SOLID			
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	
Side Roads												
Grinell Rd.	RT	581+79.00				12				12		5
Teague Hill Rd.	LT	584+96.00				12				12		5
Schneeman Rd.	RT	720+13.00				12				12		5
Macedonia Rd.	LT	720+13.00				12				12		5
Burnett Rd.	RT	772+93.00				12				12		5
Mt. Mission Rd.	LT	844+21.00				12				12		5
Crim Rd.	RT	844+21.00				12				12		5
Joppa Rd.	LT	890+15.00				12				12		5
Joppa Rd.	RT	890+15.00				12				12		5
Liberty Ridge Rd.	LT	912+33.00				12				12		5
Rocky Branch Rd.	LT	912+74.00				12				12		5
Liberty Ridge Rd.	RT	912+33.00				12				12		5
Country Club Rd.	LT	951+36.00				12				12		5
Ame. Elec. Power	RT	955+00.00				12				12		5
Doug Sumner Rd.	LT	1003+63.00				12				12		5
Doug Sumner Rd.	RT	1003+63.00				12				12		5
Mt. Mission Rd.	LT	1034+79.00				12				12		5
Allied Chem. Ent.	LT	1035+32.00				12				12		5
Allied Chem. Ent.	RT	1043+24.00				12				12		5
Airport Rd.	LT	1058+56.00				12				12		5
SHEET TOTAL			0	0	0	240	0	0	0	240	0	107

PROP. PROJECT BEGINS
 STA. 505+60 (PROP. BUTT JT.
 SOUTH OF IL 169)



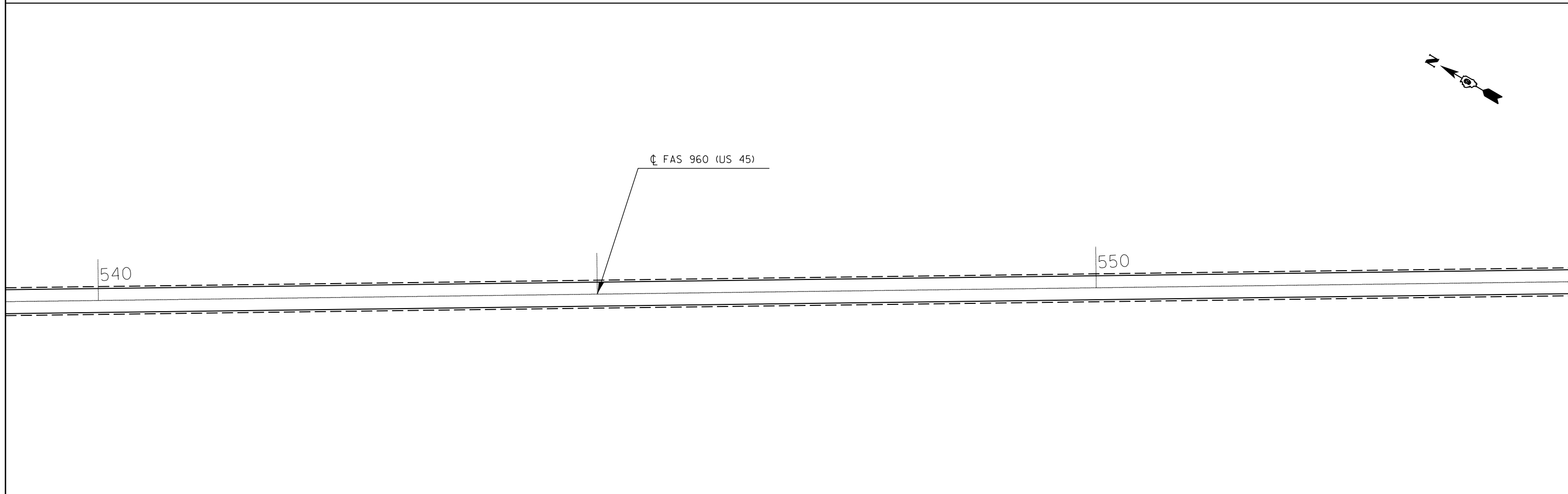
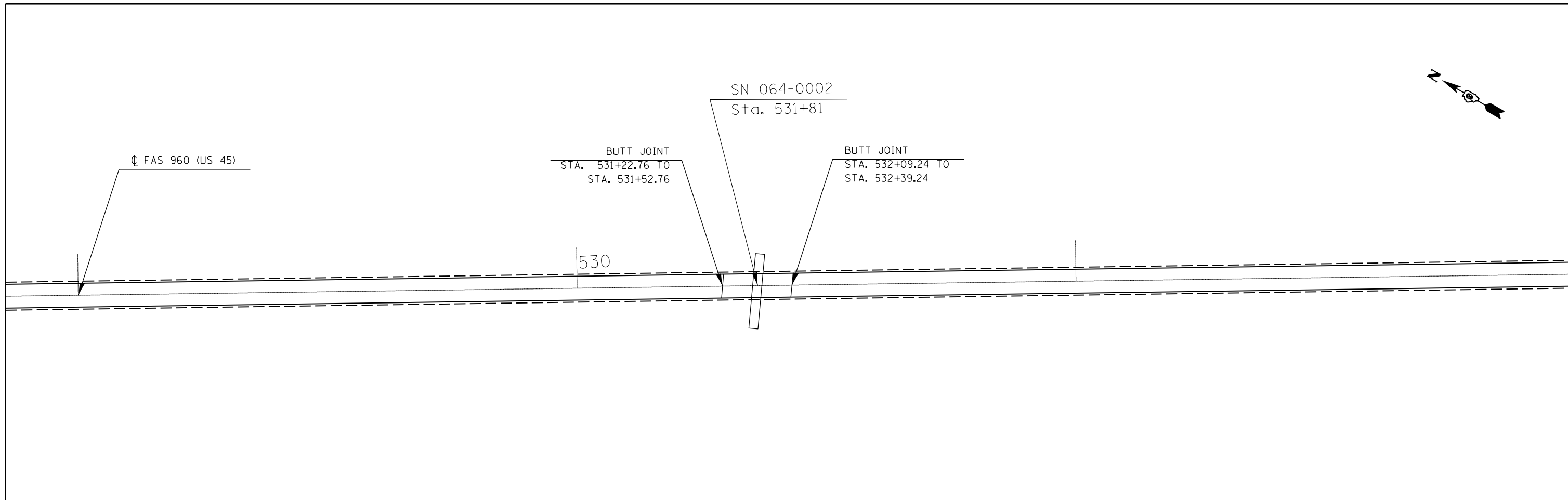
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

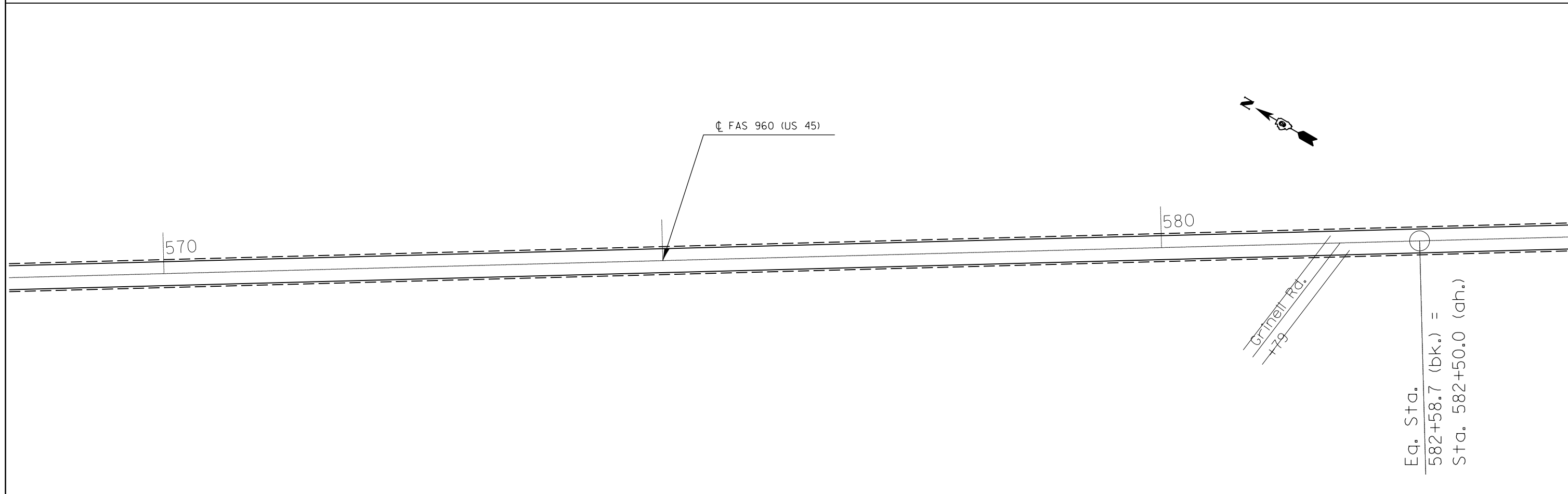
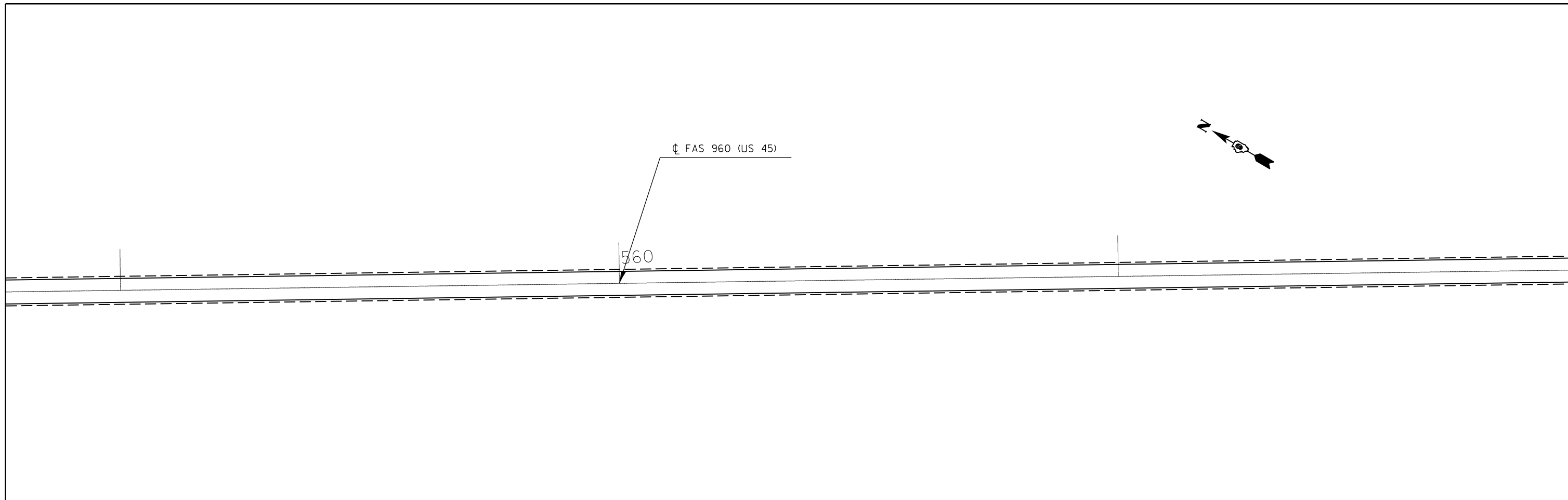
PLAN SHEET - STA. 505 + 60 TO STA. 525 + 00

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78219	



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	PLOT DATE = 3/20/2014	DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				



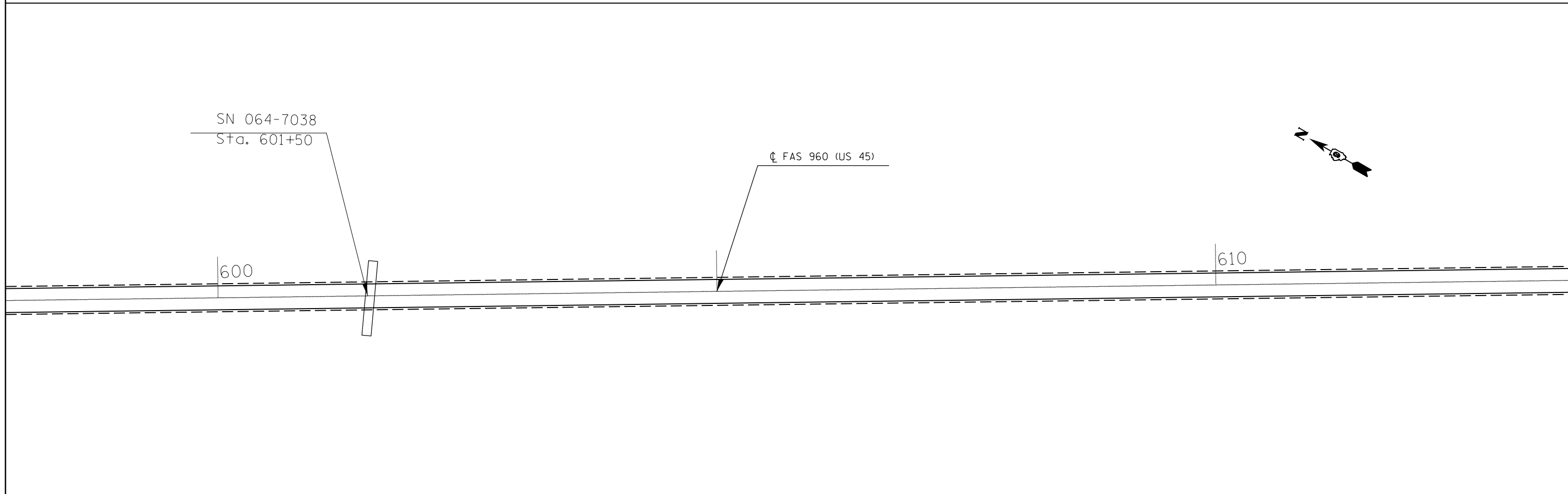
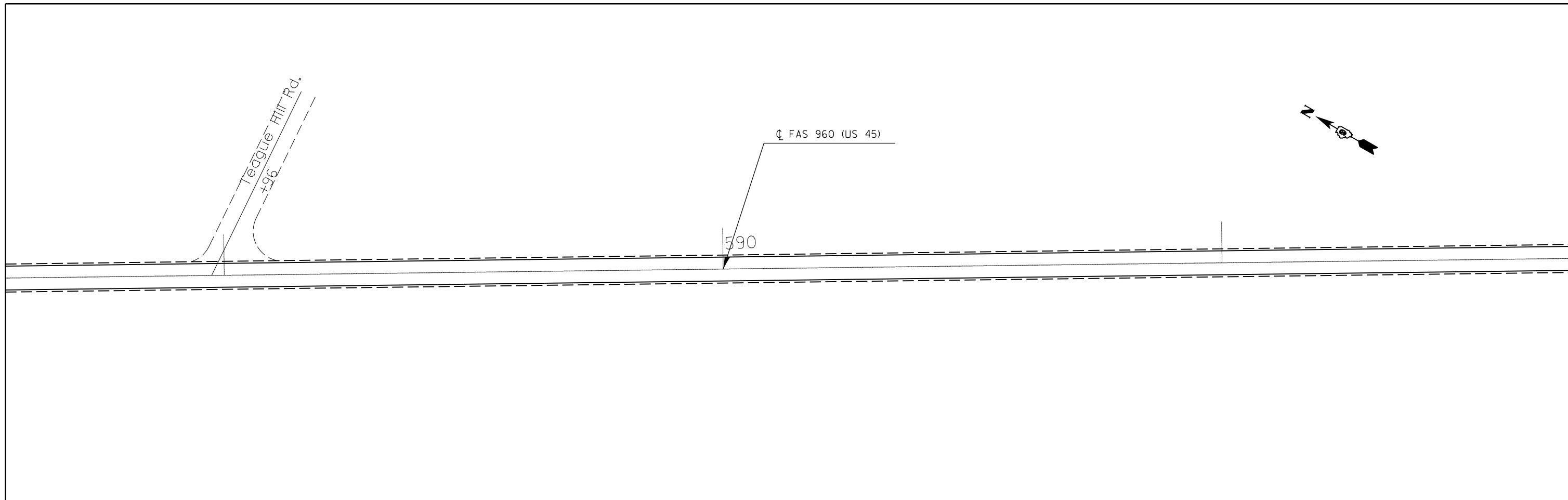
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET - STA. 554 + 50 TO STA. 584 + 00

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	18
CONTRACT NO. 78219				
ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

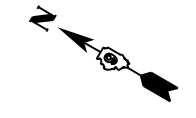
PLAN SHEET - STA. 584+00 TO STA. 613+00

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	19
				CONTRACT NO. 78219
ILLINOIS FED. AID PROJECT				

☐ FAS 960 (US 45)

620

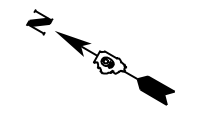


SN 064-7037
Sta. 634+07

☐ FAS 960 (US 45)

630

640



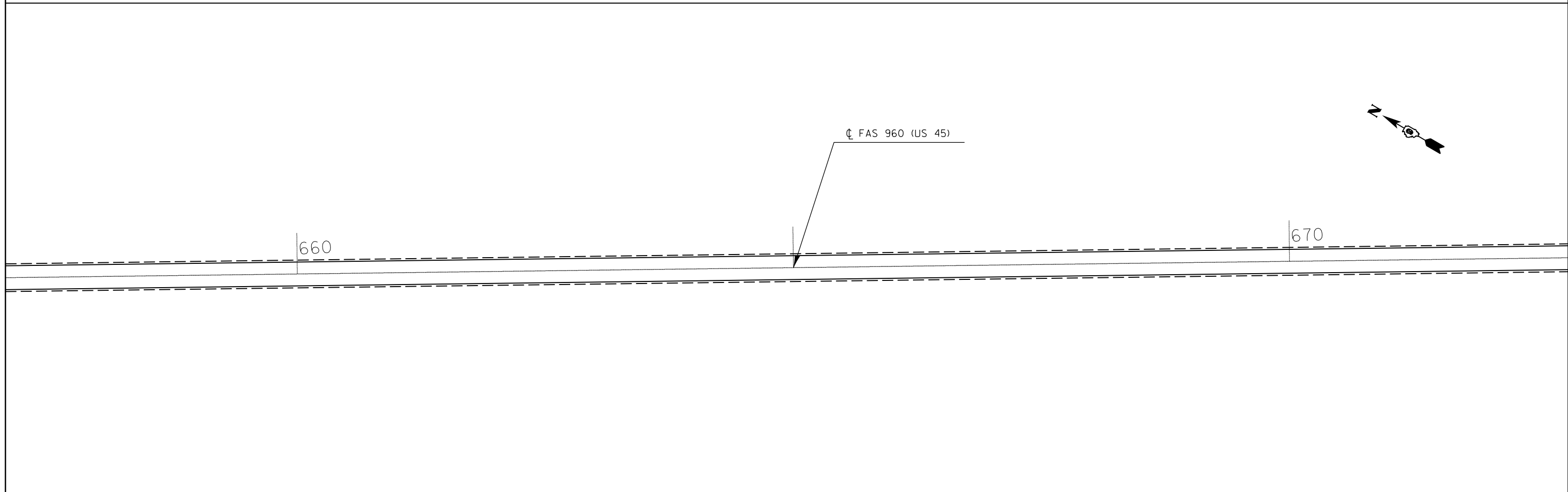
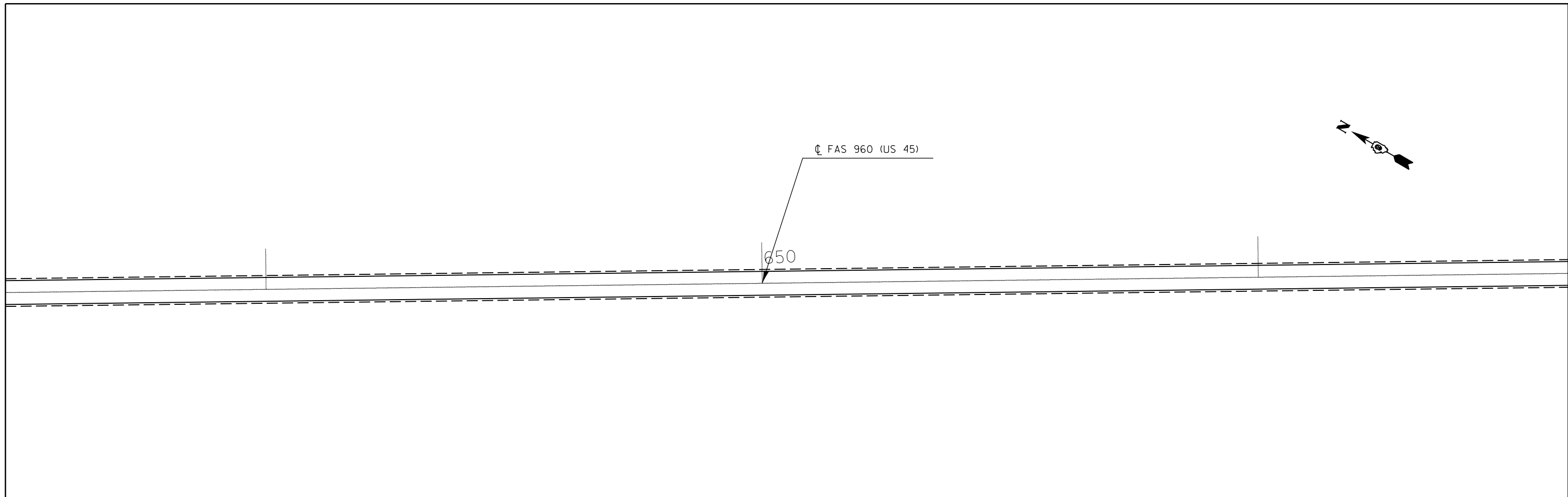
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET - STA. 613+00 TO STA. 643+00

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	20
				CONTRACT NO. 78219
ILLINOIS FED. AID PROJECT				



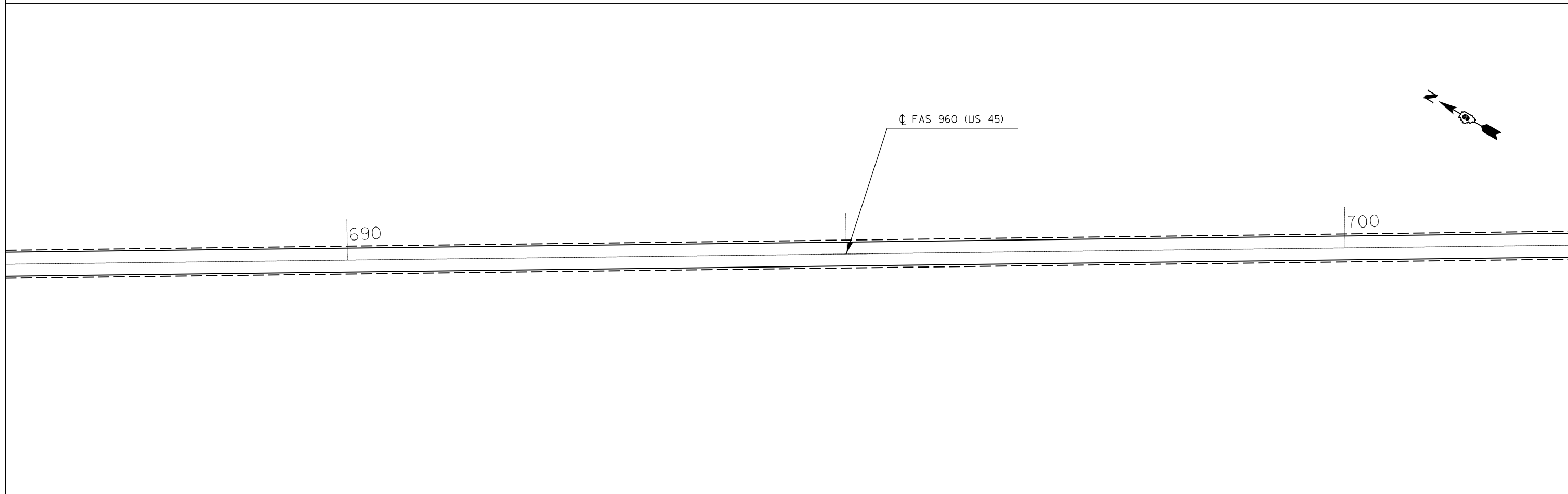
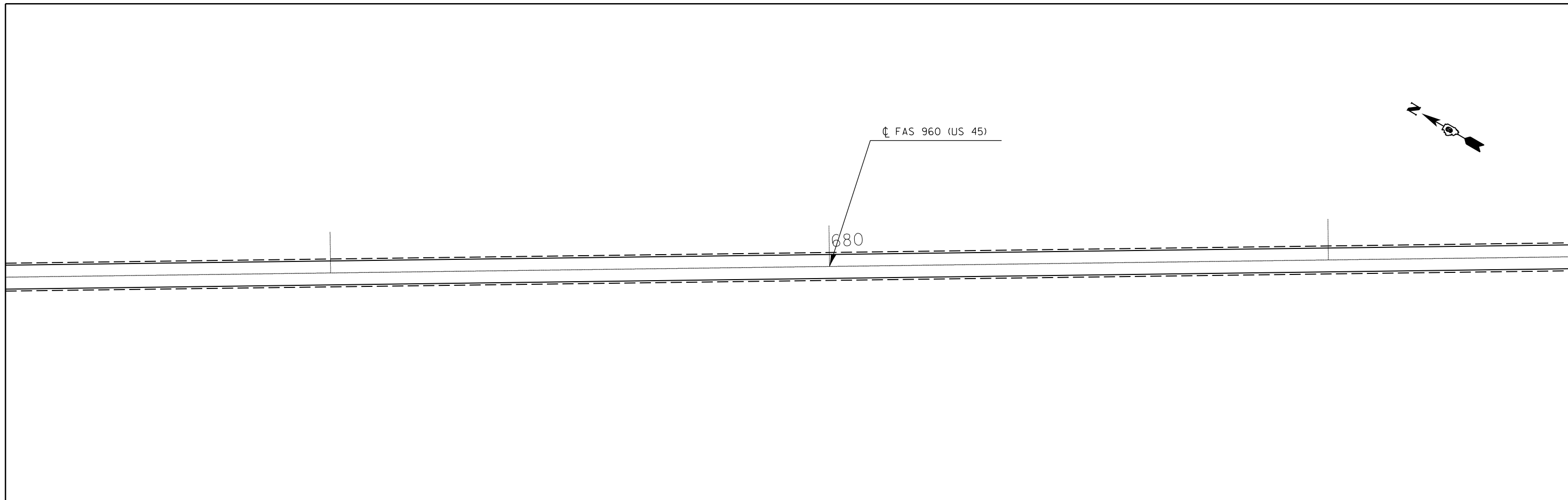
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET - STA. 643+00 TO STA. 672+00

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	21
CONTRACT NO. 78219				
ILLINOIS FED. AID PROJECT				



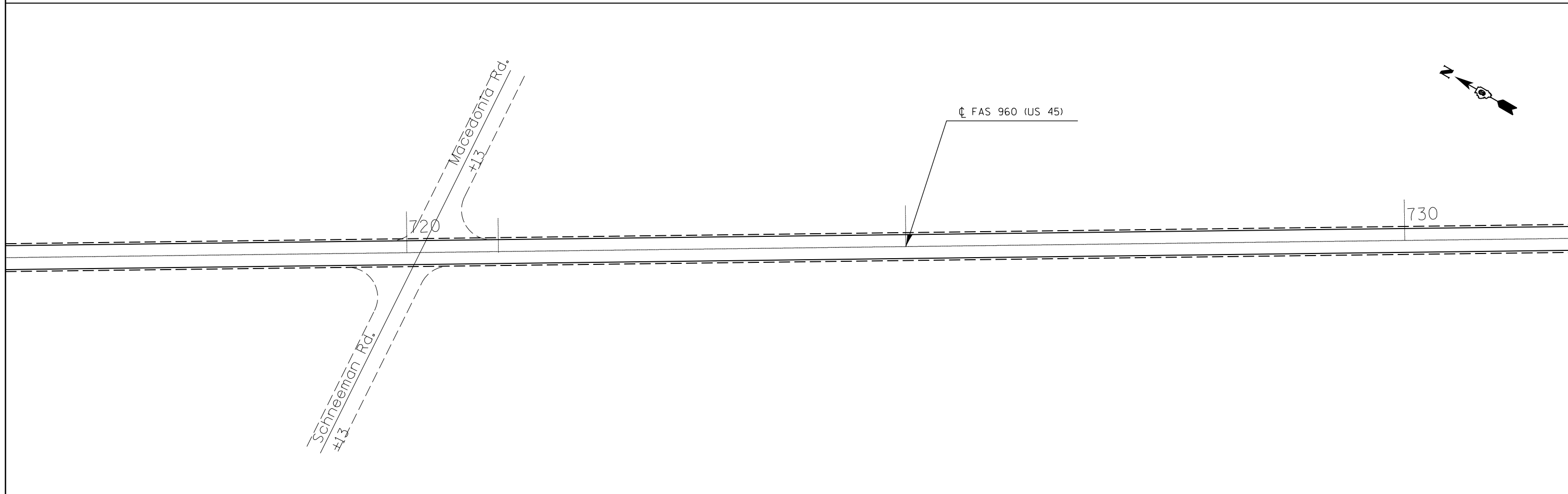
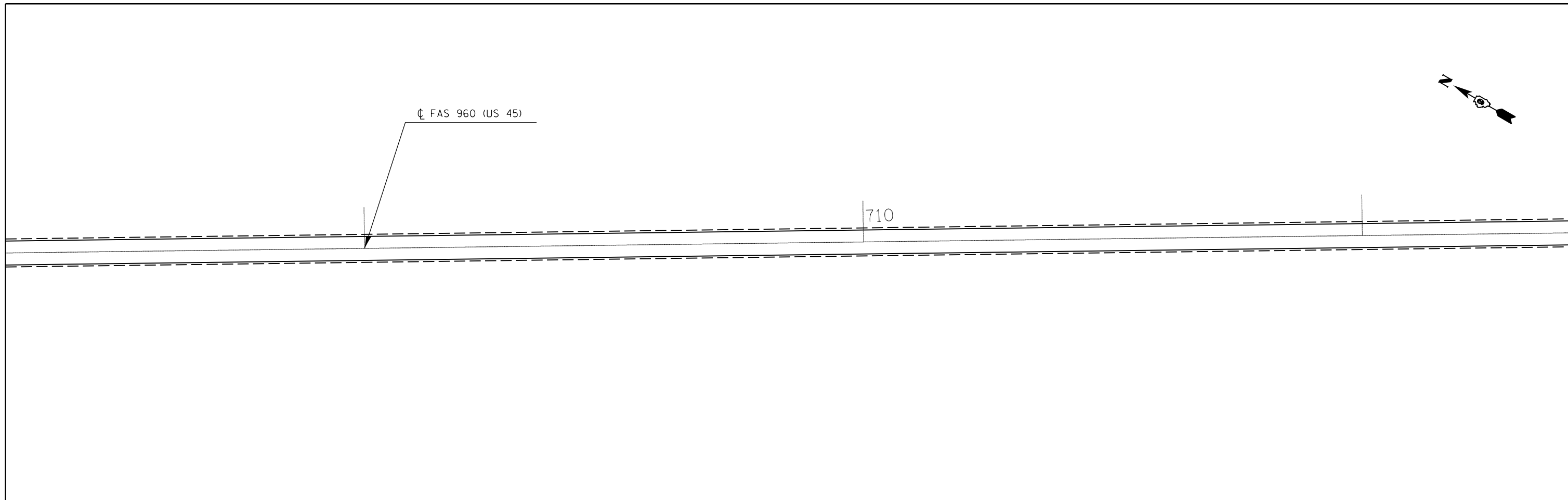
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET - STA. 672+00 TO STA. 702+00

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	22
CONTRACT NO. 78219				
ILLINOIS FED. AID PROJECT				



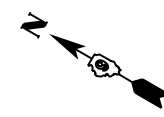
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET - STA. 702+00 TO STA. 731+00

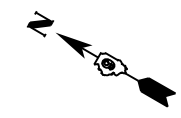
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78219	



☉ FAS 960 (US 45)

740



SN 064-0003
Sta. 755+55.49

☉ FAS 960 (US 45)

BUTT JOINT
STA. 754+65.74 TO
STA. 754+95.74

BUTT JOINT
STA. 756+15.24 TO
STA. 756+45.24

750

760

PC Sta. 758+00.8

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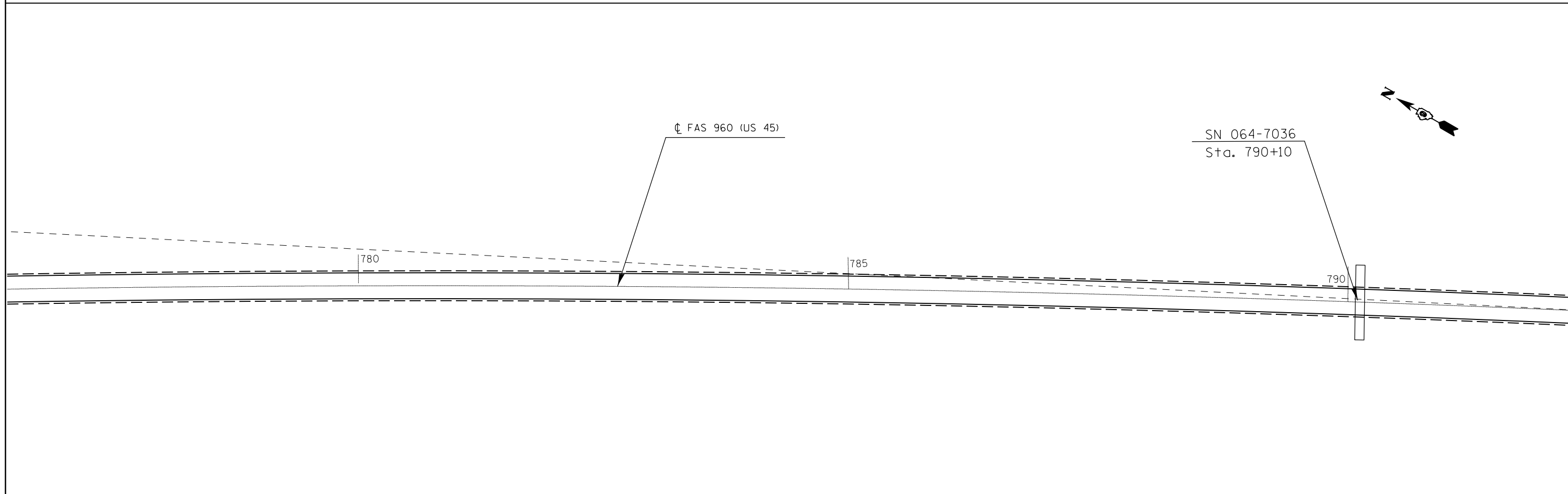
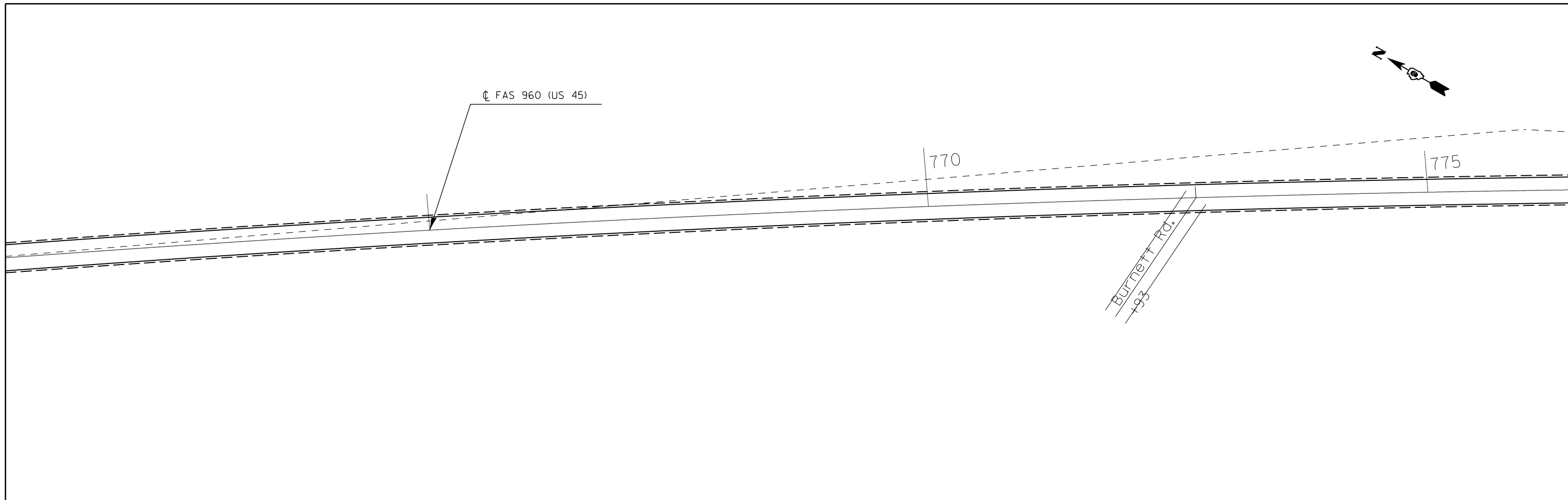
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET - STA. 731+00 TO STA. 761+00

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	24
				CONTRACT NO. 78219

ILLINOIS FED. AID PROJECT



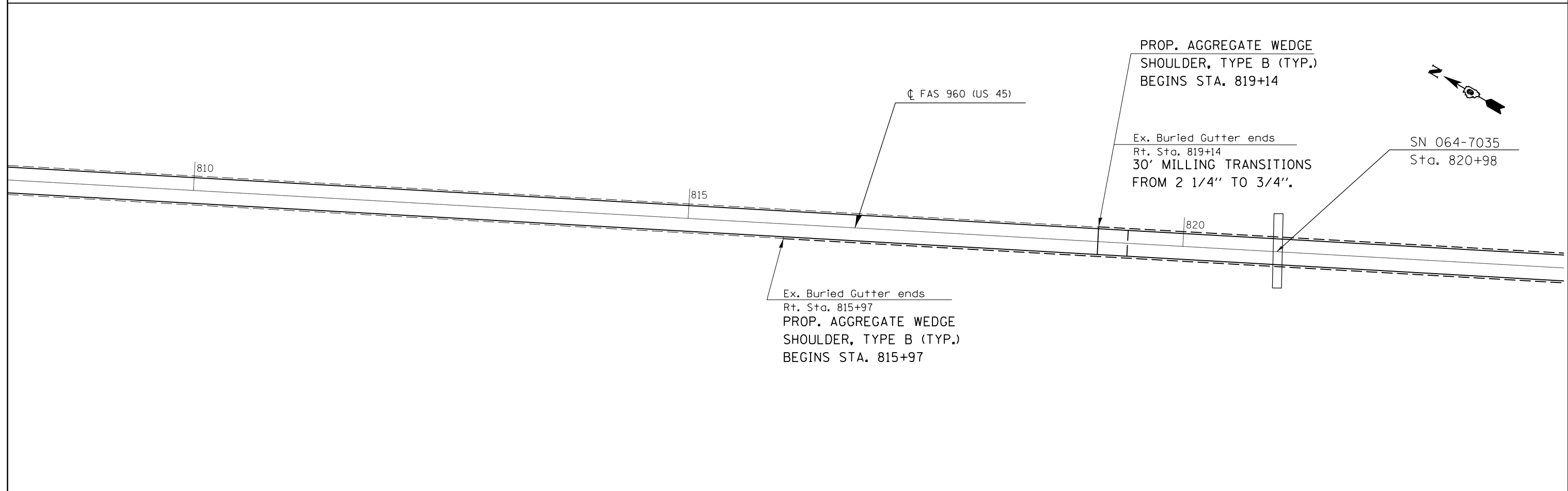
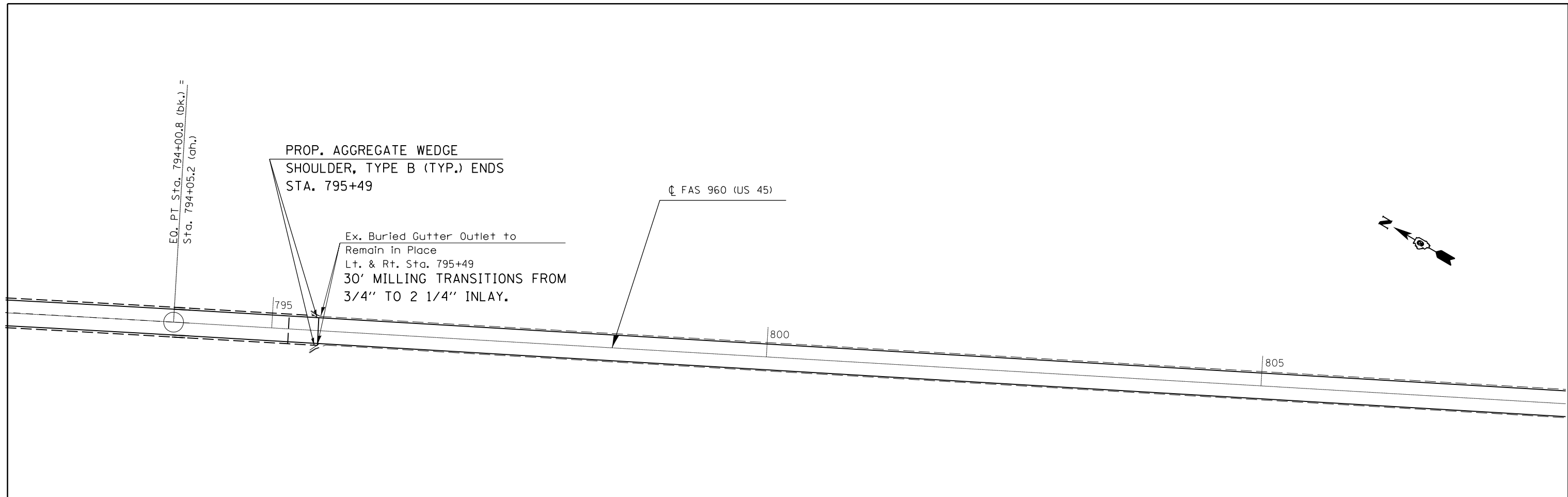
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

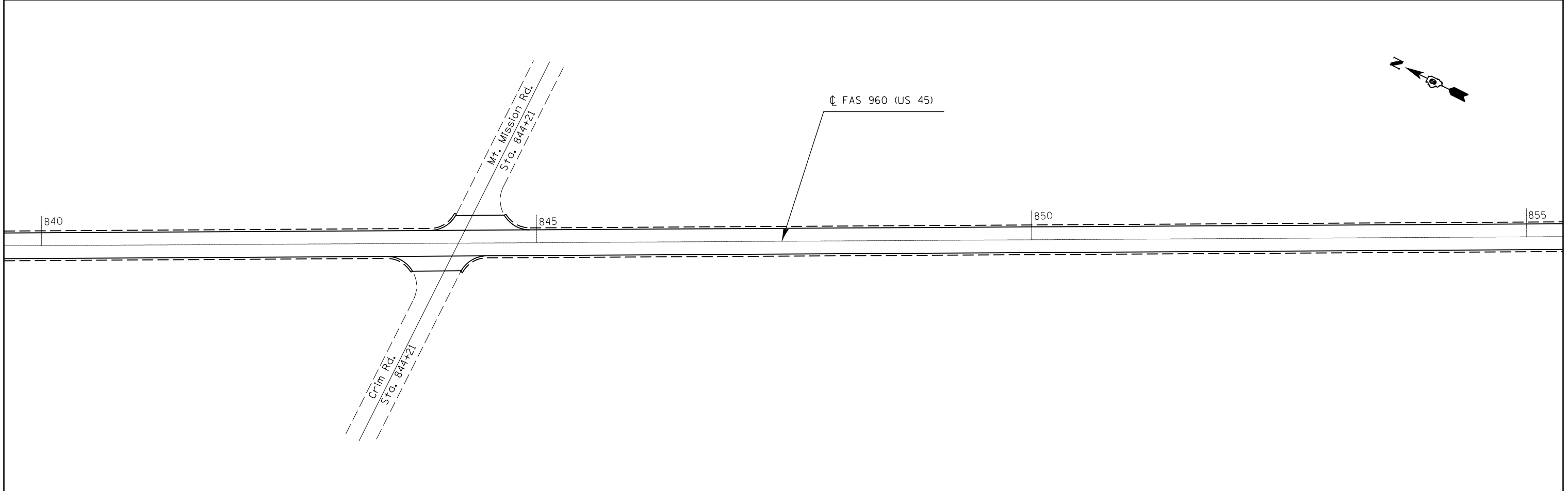
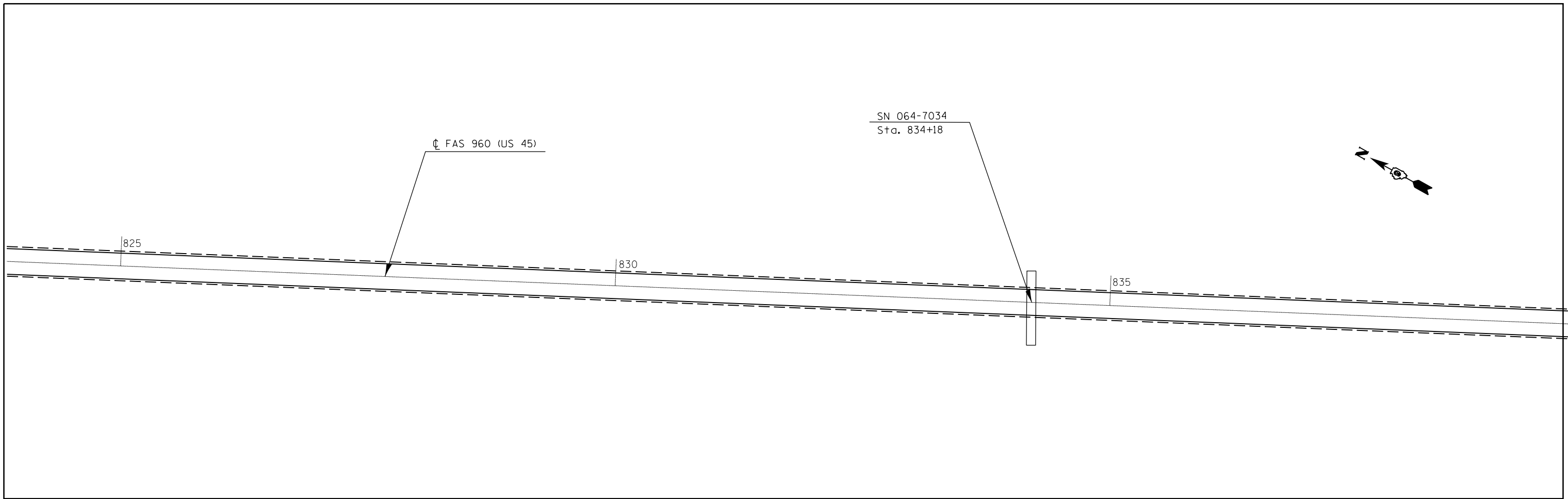
PLAN SHEET - STA. 761+00 TO STA. 792+30

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

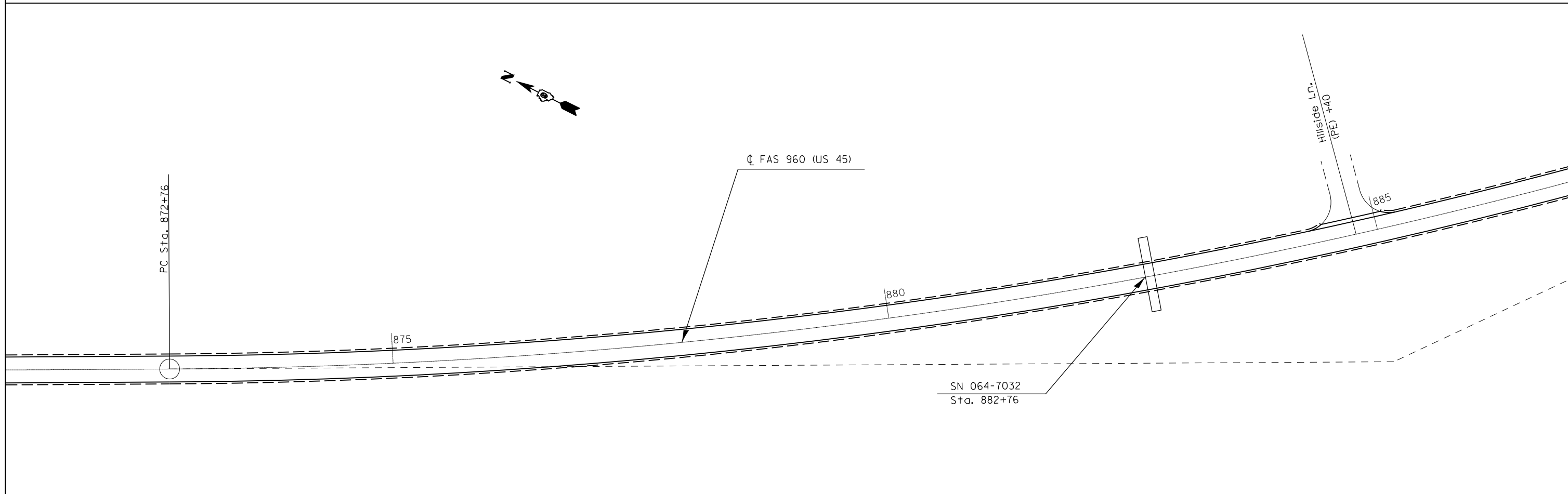
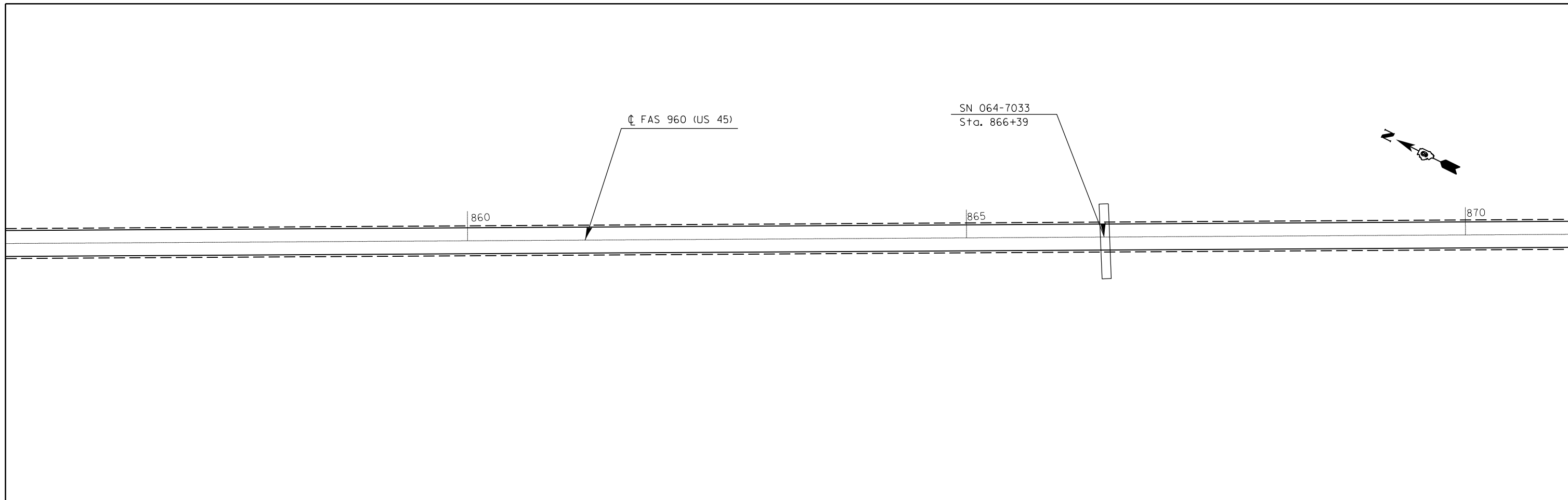
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	25
CONTRACT NO. 78219				
ILLINOIS FED. AID PROJECT				



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	PLOT DATE = 3/20/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



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	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	27				
	PLOT DATE = 3/20/2014	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO.				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



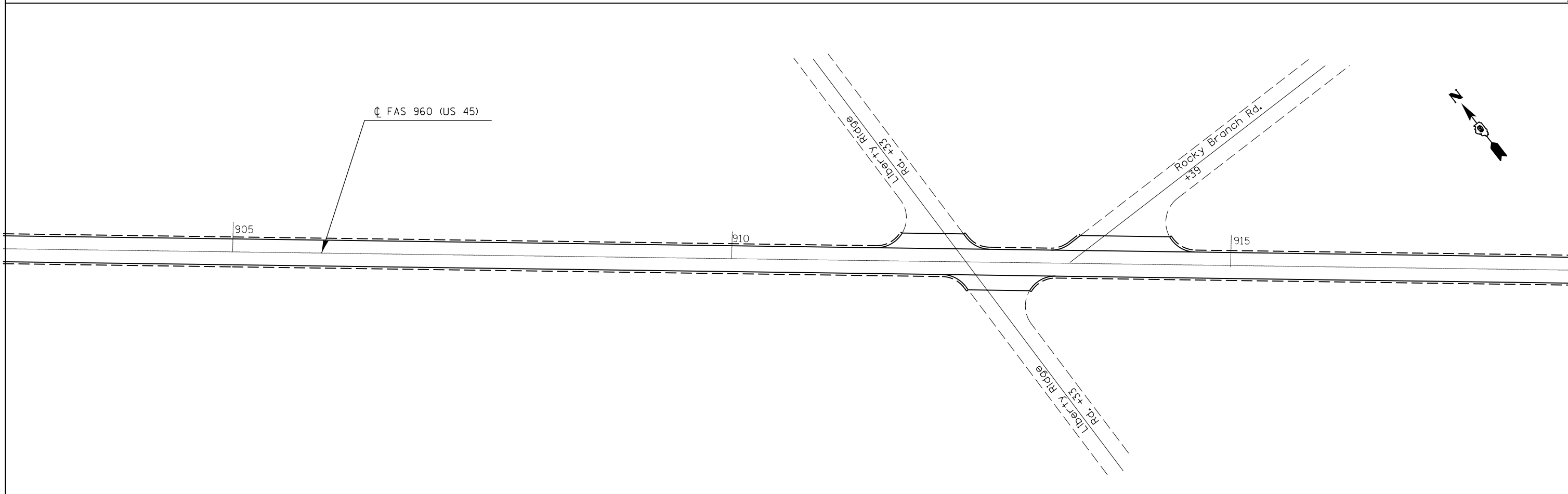
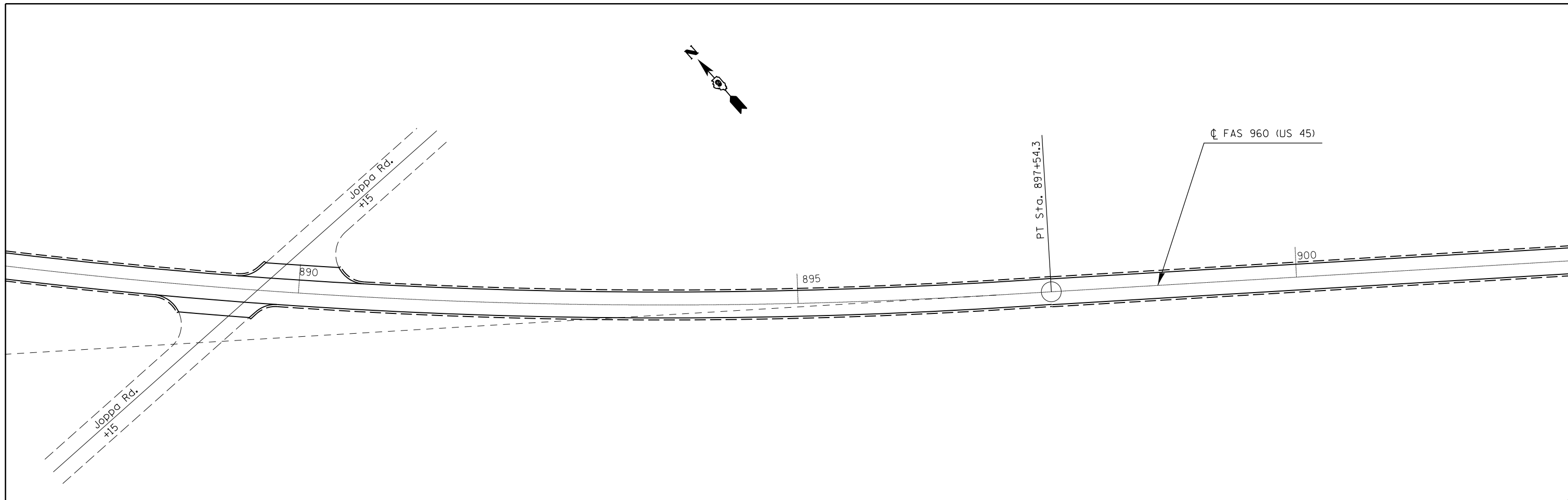
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/20/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET - STA. 855 + 40 TO STA. 887 + 05

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	28
CONTRACT NO. 78219				
ILLINOIS FED. AID PROJECT				



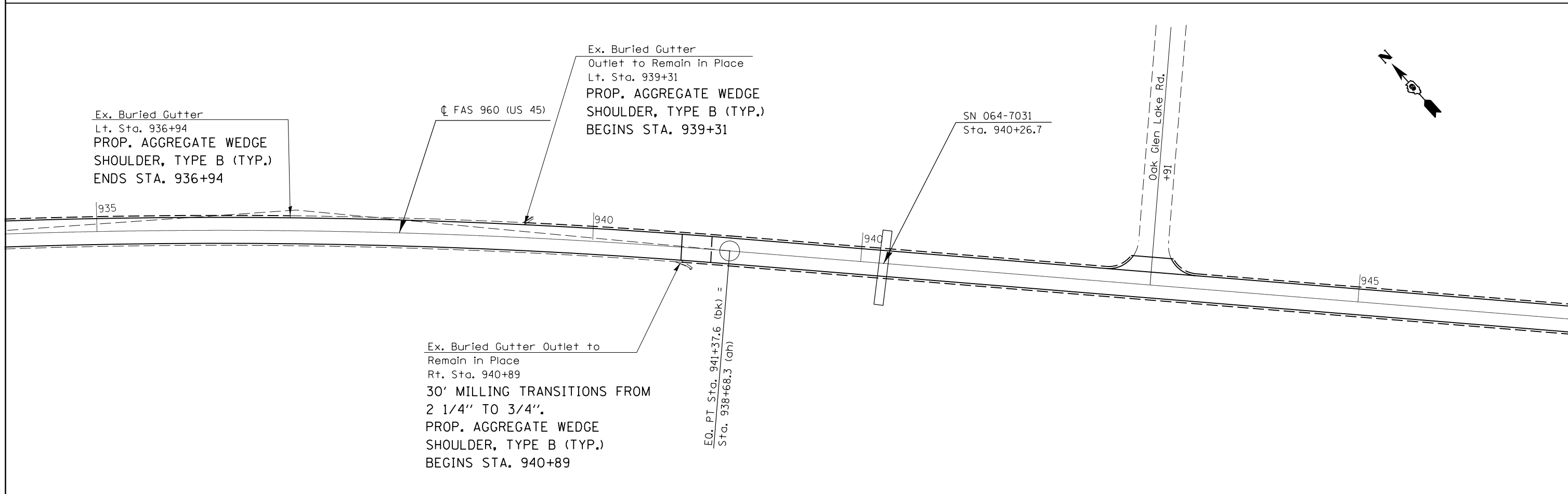
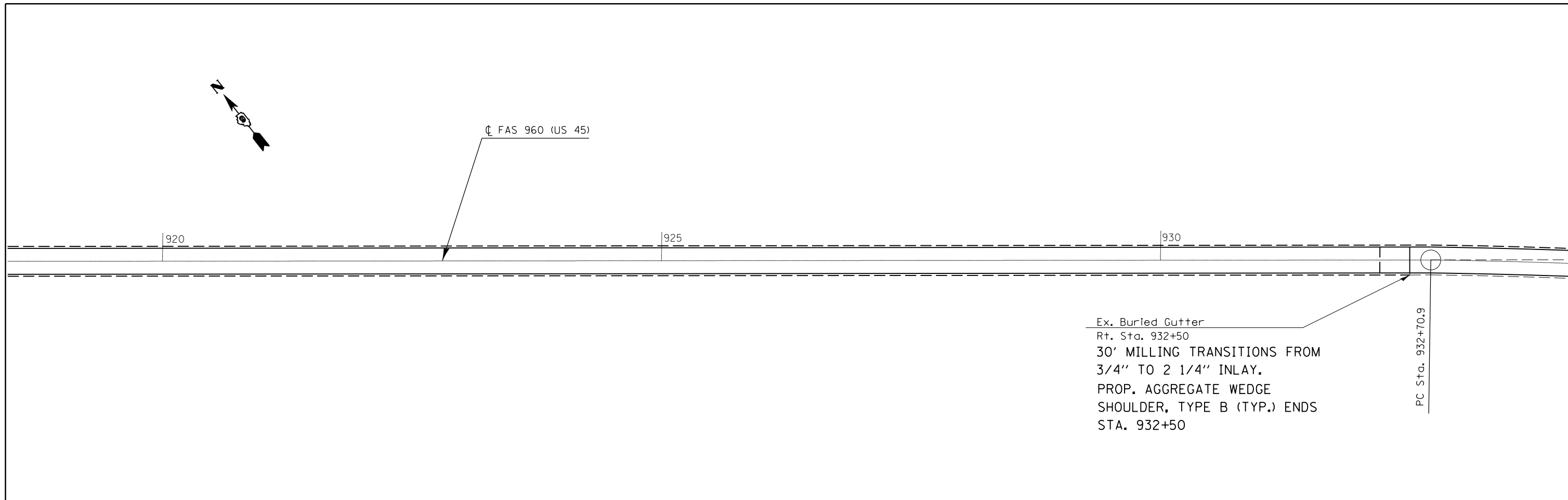
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	PLOT DATE = 3/20/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

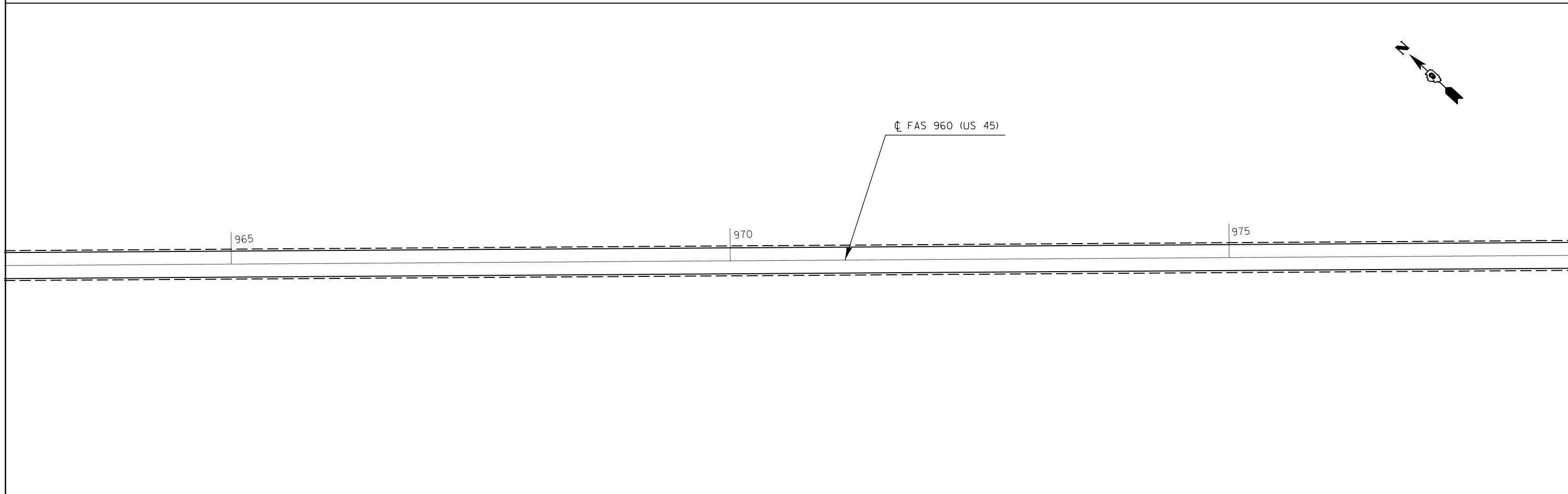
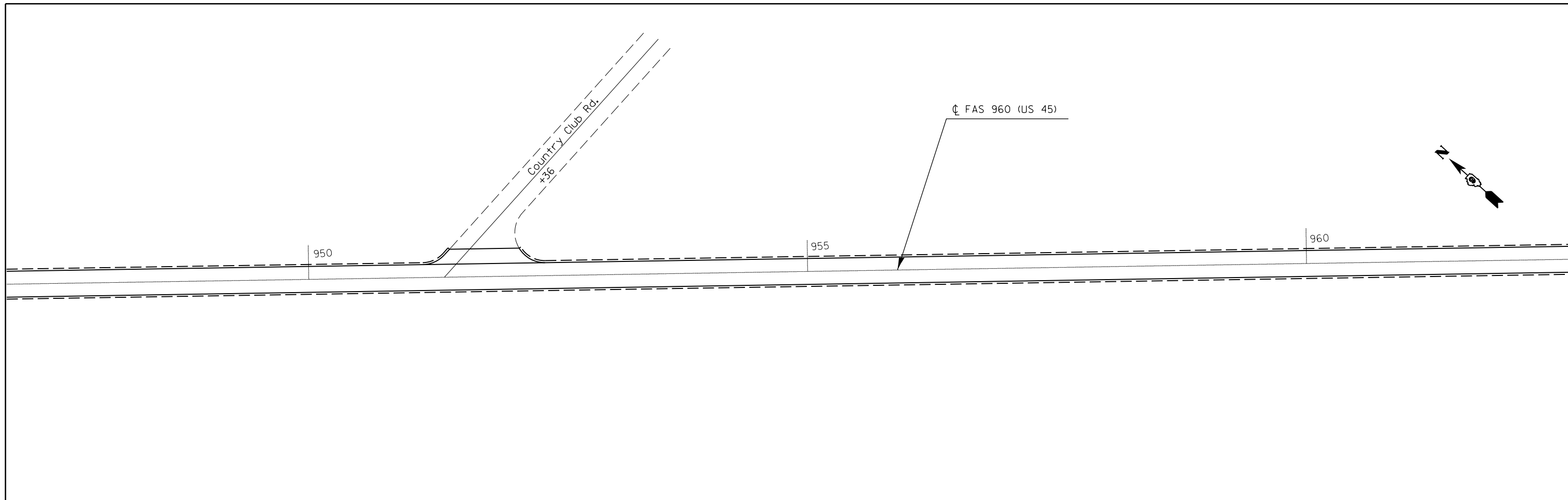
PLAN SHEET - STA. 887+05 TO STA. 918+45

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	29
CONTRACT NO. 78219				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = \$USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET - STA. 918 + 45 TO STA. 947 + 20			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\hollayb1\0269923\7821\p-sht-plan.dgn		DRAWN -	REVISED -					960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	30
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 78219				
	PLOT DATE = 3/20/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



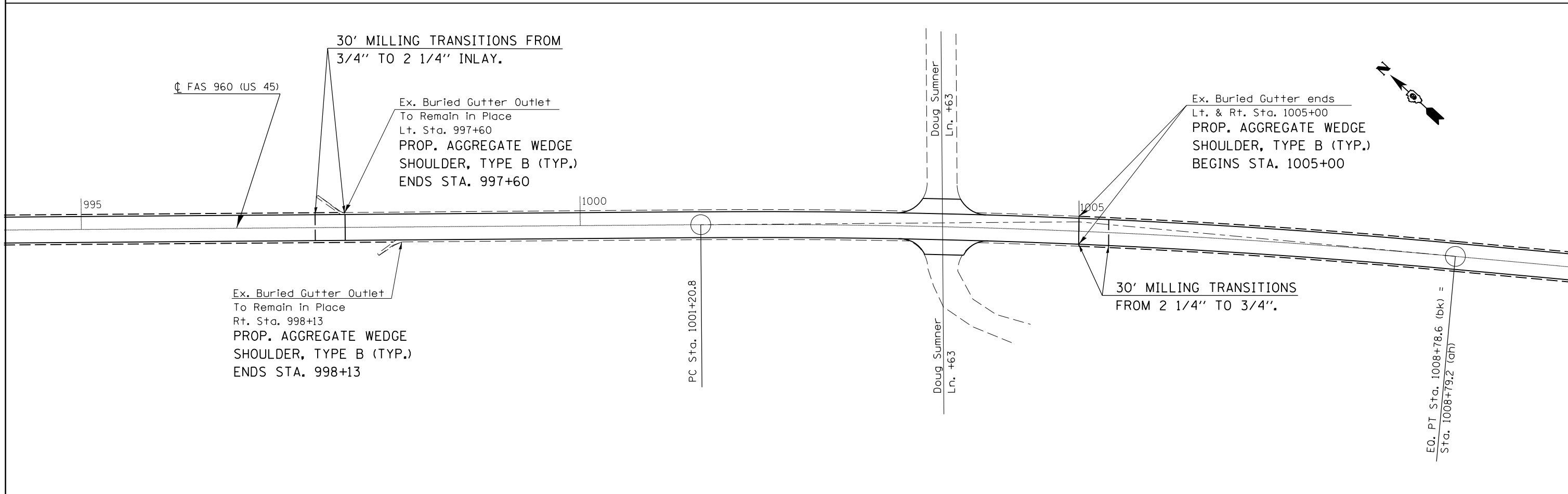
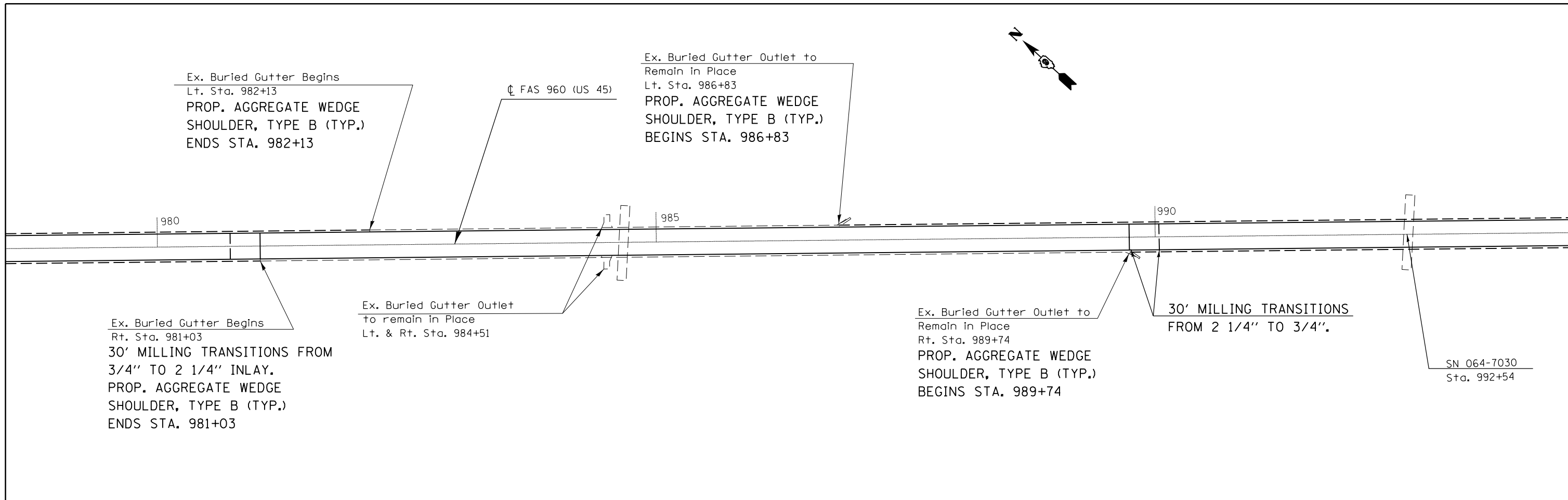
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

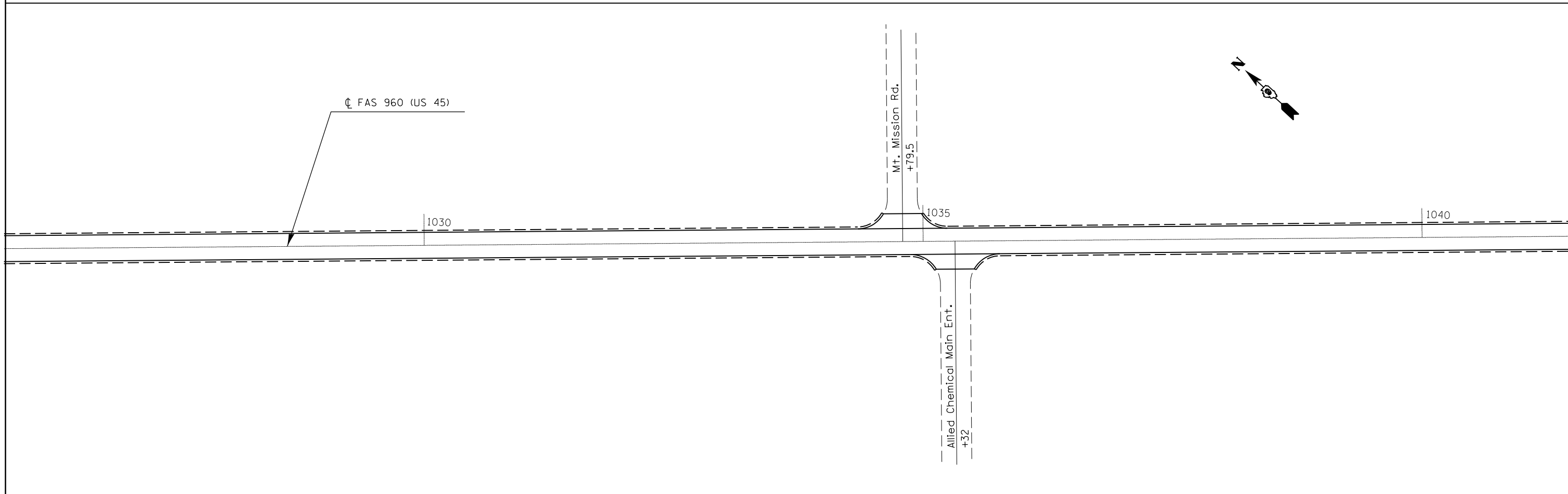
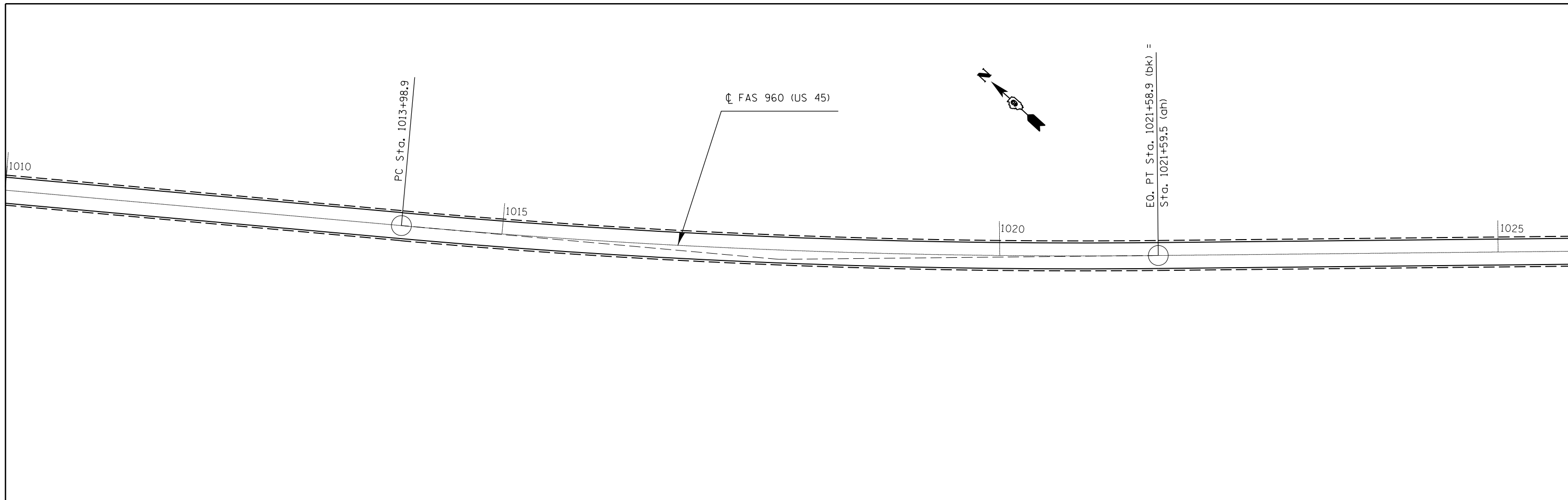
PLAN SHEET - STA. 947 + 20 TO STA. 978 + 50

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	31
			CONTRACT NO. 78219	
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET - STA. 978 + 50 TO STA. 1010 + 00			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\hollayb1\0269923\78219.sht-plan.dgn		DRAWN -	REVISED -					960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	32
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 78219							
PLOT DATE = 3/20/2014		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



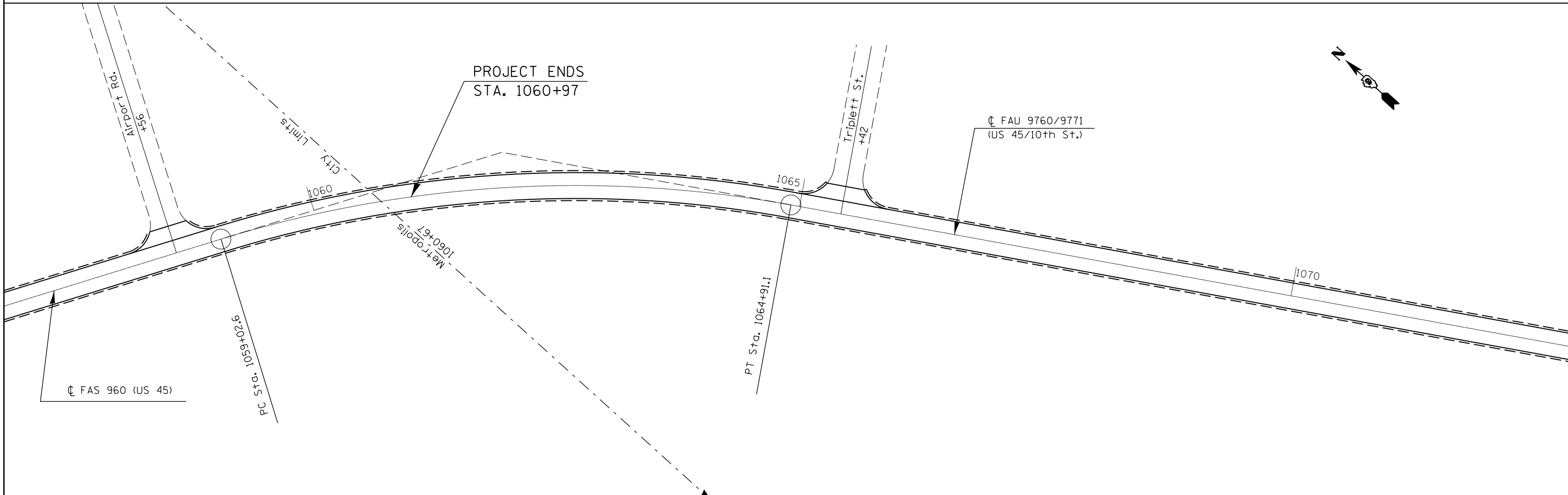
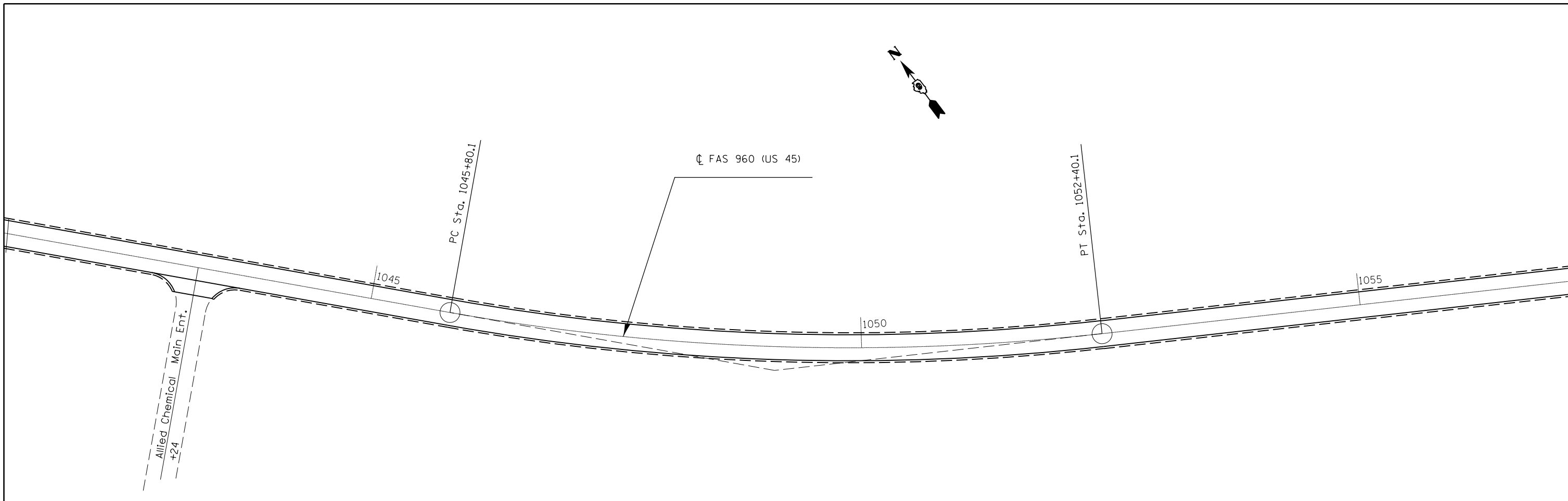
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	PLOT DATE = 3/20/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET - STA. 1010 + 00 TO STA. 1041 + 54

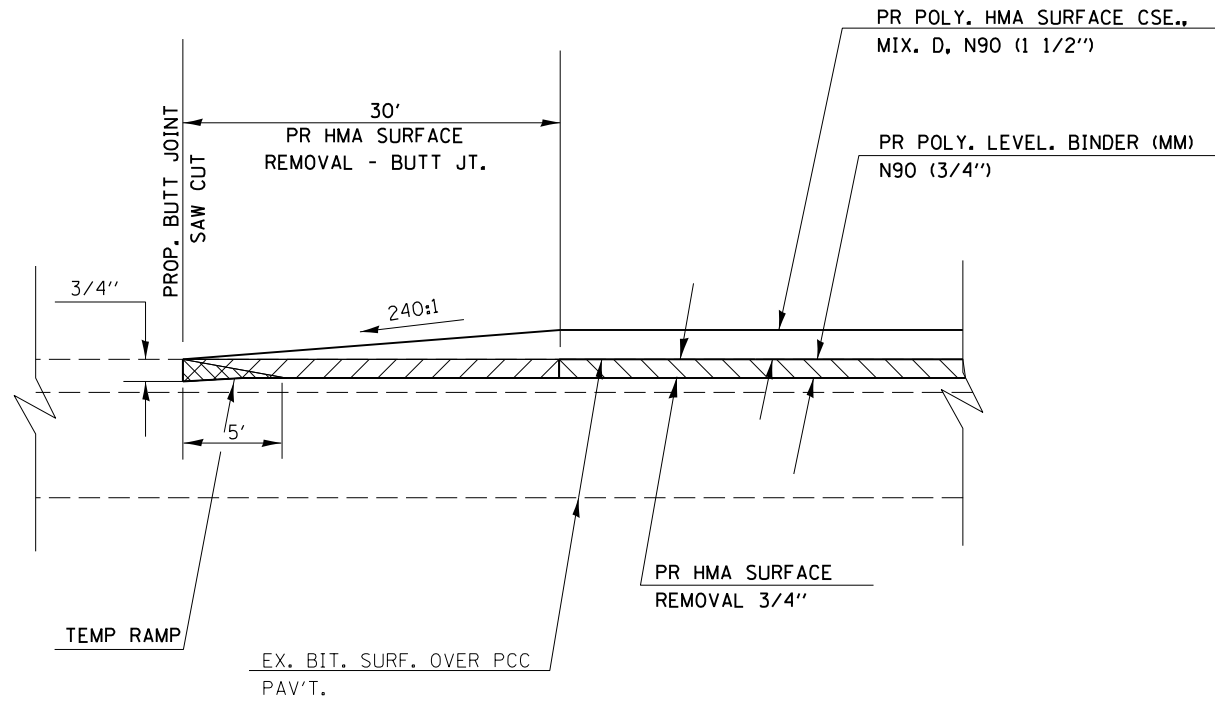
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	33
CONTRACT NO. 78219				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET - STA. 1041+54 TO STA. 1072+90				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\dot\hollayb1\0269923\7821	1041+54	DRAWN -	REVISED -		960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	34				
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	PLOT DATE = 3/20/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

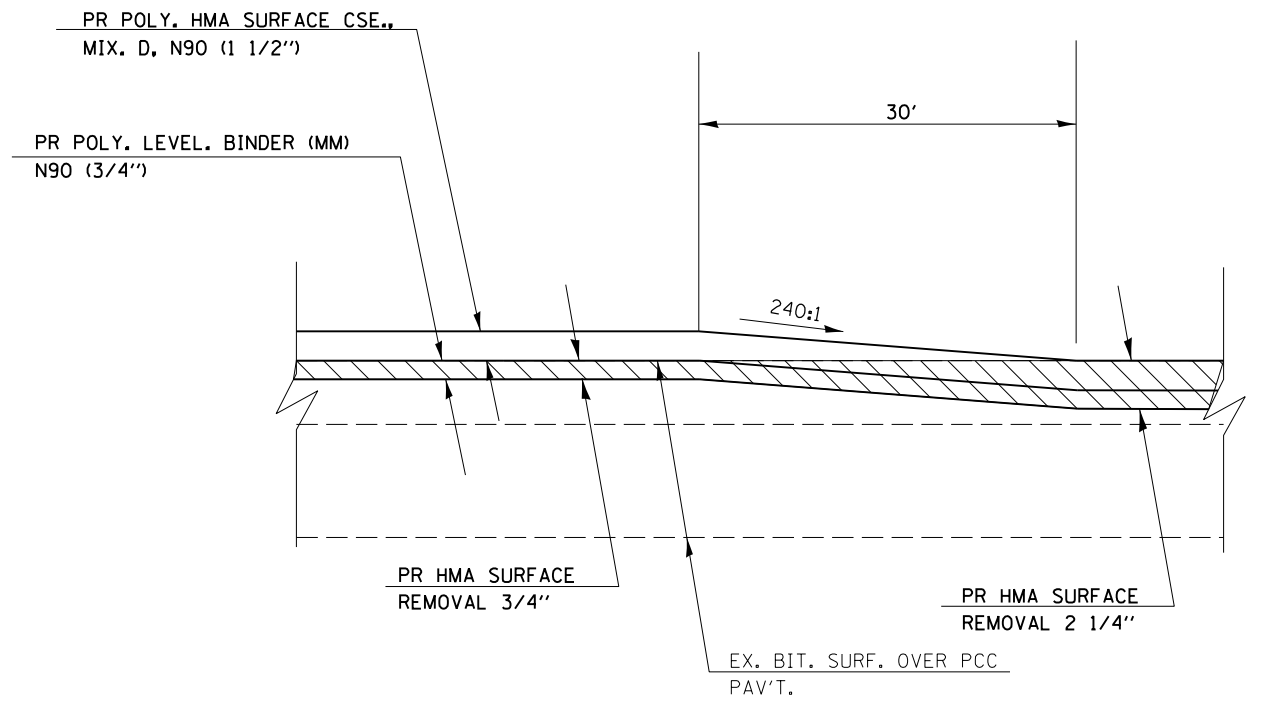
DETAIL FOR HMA SURFACE REMOVAL - BUTT JOINT



TO BE USED:

- STA. 505+60 TO STA. 505+90 (BEGINNING OF PROJECT)
- STA. 531+22.76 TO STA. 531+52.76 (SN 064-0002, NORTH END))
- STA. 532+09.24 TO STA. 532+39.24 (SN 064-0002, SOUTH END)
- STA. 754+65.74 TO STA. 754+95.74 (SN 064-0003, NORTH END)
- STA. 756+15.24 TO STA. 756+45.24 (SN 064-0003, SOUTH END)
- STA. 1060+67 TO STA. 1060+97 (END OF PROJECT)

DETAIL FOR HMA SURFACE REMOVAL TRANSITION FROM 3/4" TO 2 1/4"



TO BE USED:

- STA. 795+19 TO STA. 795+49
- STA. 819+14 TO STA. 819+44
- STA. 932+20 TO STA. 932+50
- STA. 940+89 TO STA. 941+19
- STA. 980+73 TO STA. 981+03
- STA. 989+74 TO STA. 990+04
- STA. 997+30 TO STA. 997+60
- STA. 1005+00 TO STA. 1005+30

FILE NAME =	USER NAME = \$USER*	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

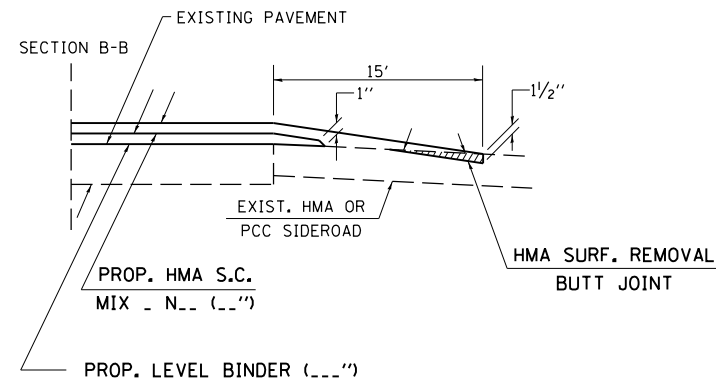
**DETAILS - BUTT JOINT &
MILLING TRANSITION**

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

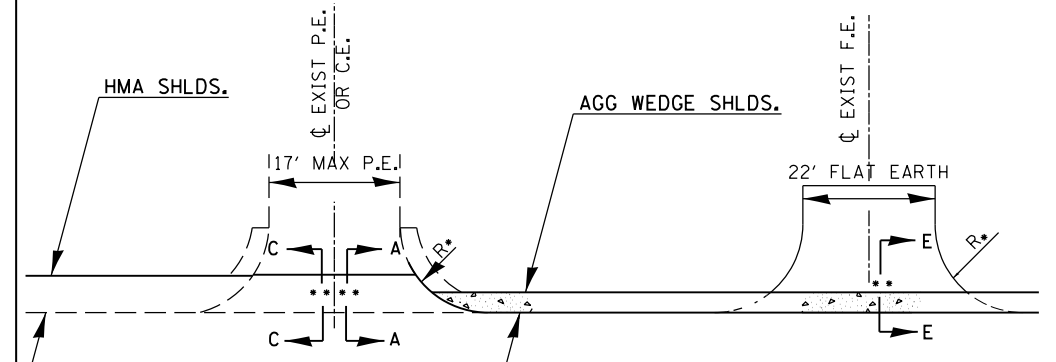
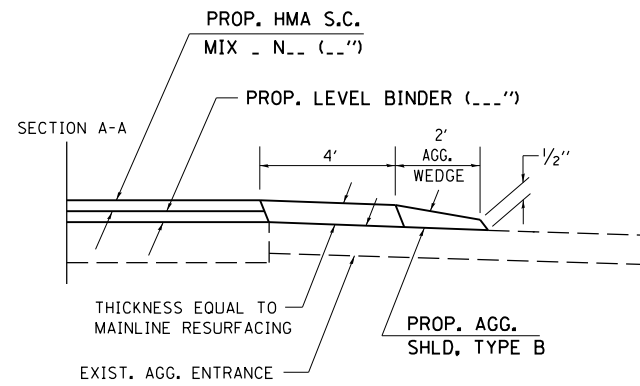
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	35
CONTRACT NO. 78219			ILLINOIS FED. AID PROJECT	

SIDEROAD AND ENTRANCE DETAILS

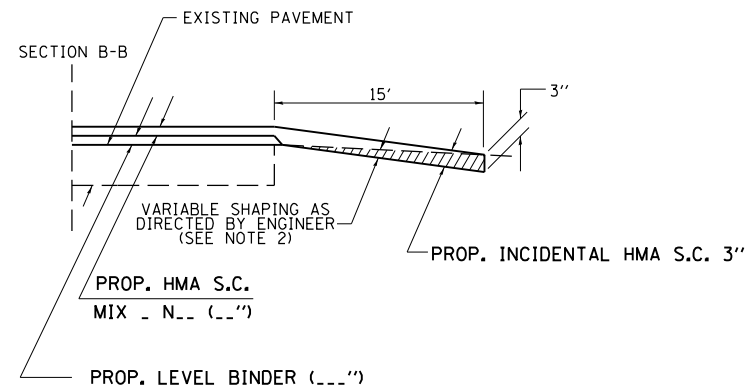
EX. HMA OR PCC SIDEROADS WITH BUTT JOINT



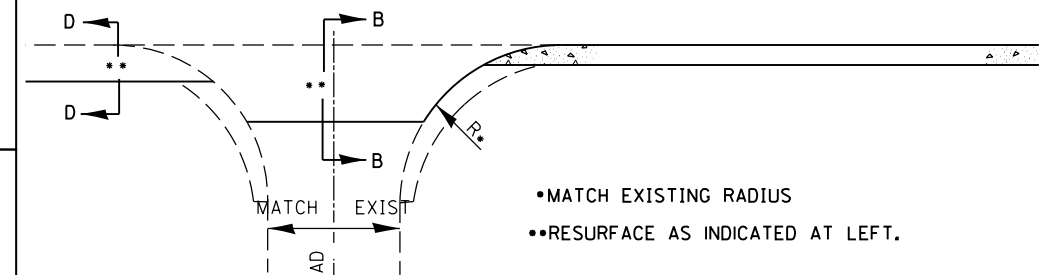
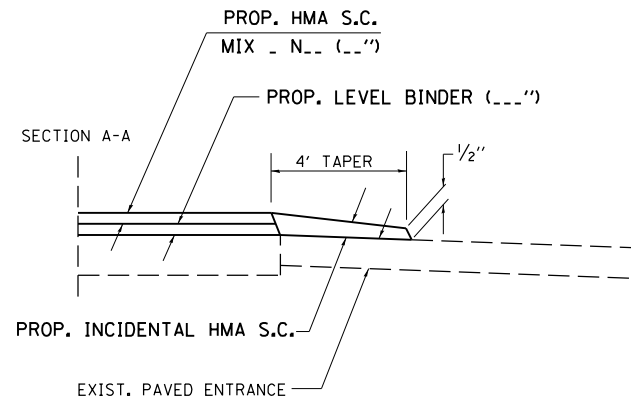
AGG. PRIVATE OR COMMERCIAL ENTRANCE



EX. AGGREGATE SIDEROAD



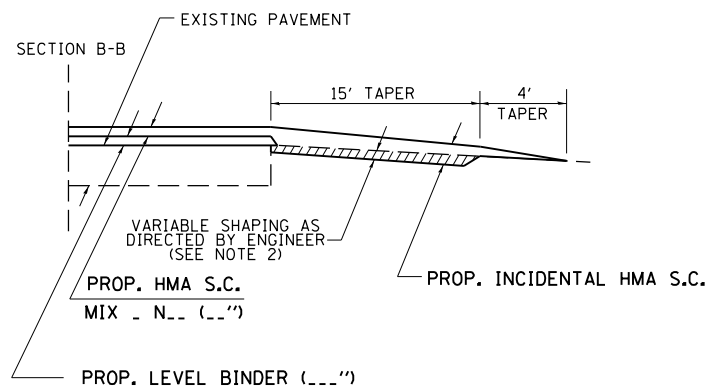
HMA, PCC, OR OIL & CHIP PRIVATE OR COMMERCIAL ENTRANCE



ENTRANCE SCHEDULE

TYPE	NUMBER OF ENTRANCES
P.E.	40
C.E.	25

EX. OIL & CHIP SIDEROAD



NOTES

1. IF EXISTING SUBBASE IS INADEQUATE, AS DETERMINED BY THE ENGINEER, THE SIDE ROADS SHALL BE CORED OUT AND AGGREGATE SUBBASE, TYPE B SHALL BE PLACED FOR BASE. THE COST OF CORING OUT THE SIDE ROAD AND ANY AGGREGATE BASE COURSE SHALL BE PAID FOR AS SPECIFIED IN ART. 109.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. IF EXISTING SUBBASE IS DETERMINED TO BE ADEQUATE, THE PREPARATION OF THE BASE SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 406.09.
2. VARIABLE SHAPING IS INCLUDED IN THE COST OF INCIDENTAL HOT-MIX ASPHALT SURFACE.

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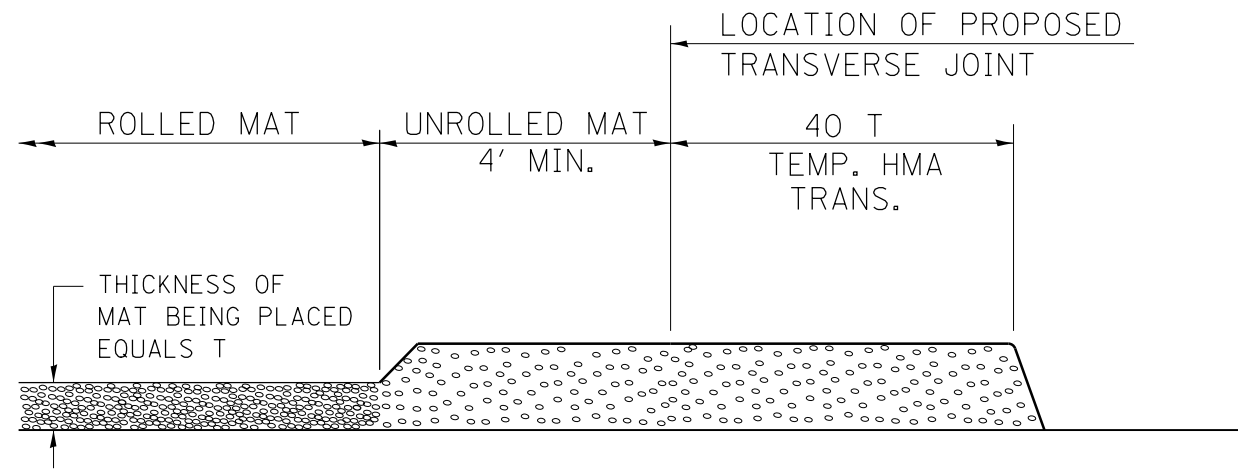
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS - SIDEROADS AND ENTRANCES

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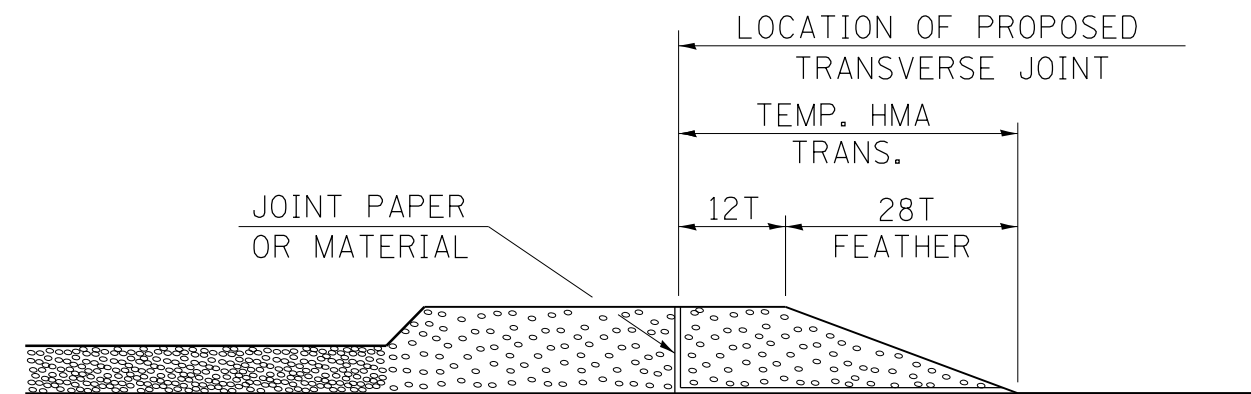
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	36
			CONTRACT NO. 78219	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TEMPORARY HOT-MIX ASPHALT TRANSITIONS



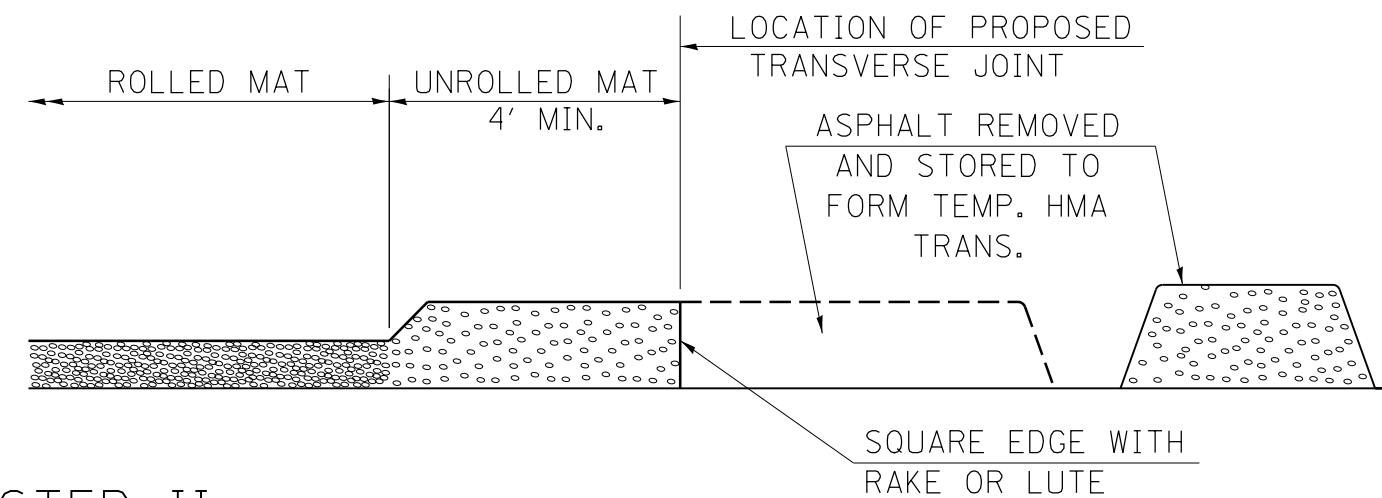
STEP I

1. PLACE HOT-MIX ASPHALT MAT, LENGTH 40 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.
2. EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



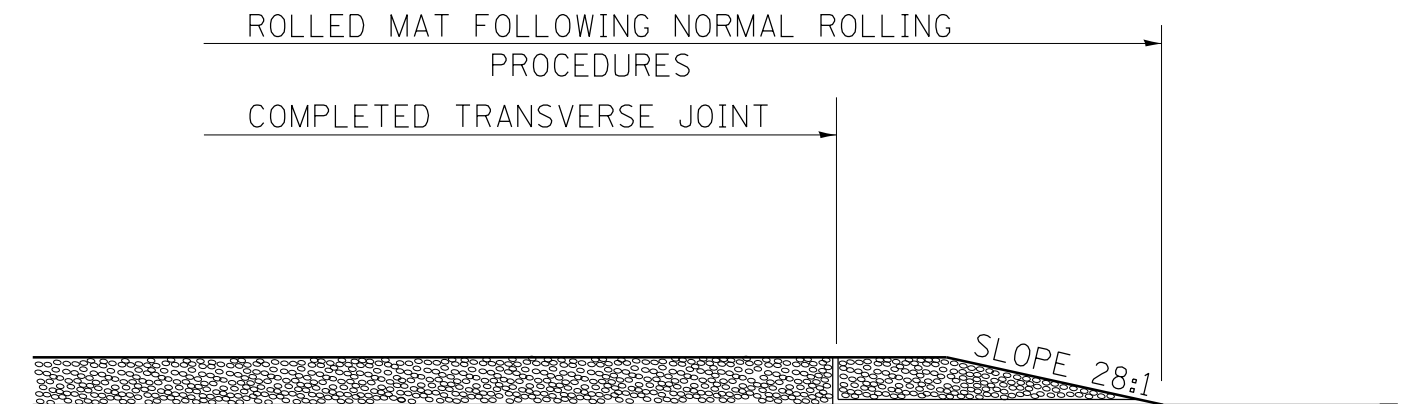
STEP III

1. JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
2. NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.



STEP II

1. MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY HOT-MIX ASPHALT TRANSITION.
2. SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
3. NOTE THAT THE MAT WITHIN 4' OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME.



STEP IV

1. COMPLETE TEMPORARY TRANSITION BY ROLLING.
2. TO RESUME PAVING, AT THE JOINT, REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCLUDED IN THE CONTRACT).
3. CONSTRUCTING THE TEMPORARY TRANSITIONS WILL NOT BE PAID FOR SEPARATELY IN ACCORDANCE WITH ARTICLE 406.14 OF THE STANDARD SPECIFICATIONS.

STD. 9-26

REVISIONS

REDRAWN	2-15-89
REVISED	8-16-94
REVISED	01-09-07
RESIZED	05-8-08
REVISED	05-16-13

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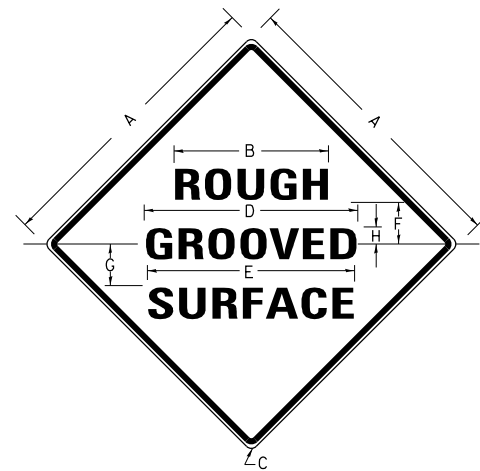
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMP. HOT-MIX ASPHALT
TRANSITIONS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	37
CONTRACT NO. 78219				
ILLINOIS FED. AID PROJECT				

ILLINOIS STANDARD



COLORS:

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

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

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

ALL DIMENSIONS IN INCHES

NOTES:

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

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

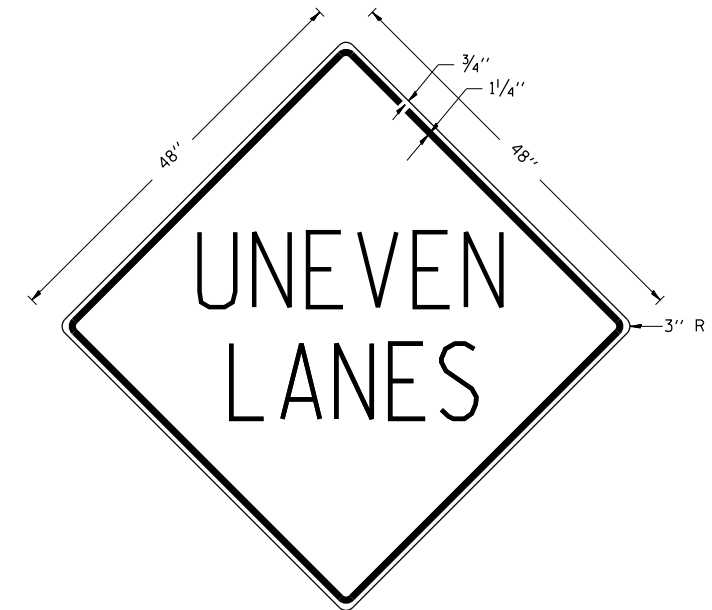
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

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

STD. 9-39

UNEVEN LANES SIGN

W8-11 (48" x 48")



COLORS:

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

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

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

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

REVISIONS

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

STD. 9-41

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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 3/20/2014	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL: UNEVEN LANES SIGN ;
ROUGH GROOVED SURFACE SIGN

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	39RS-8, 40RS-10, 41RS-6	MASSAC	38	38
ILLINOIS FED. AID PROJECT				CONTRACT NO. 78219