

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

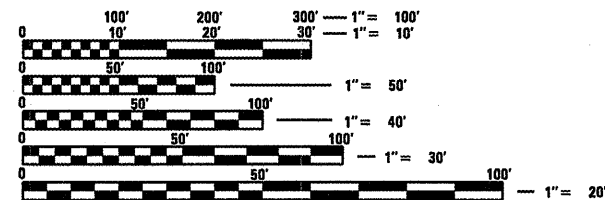
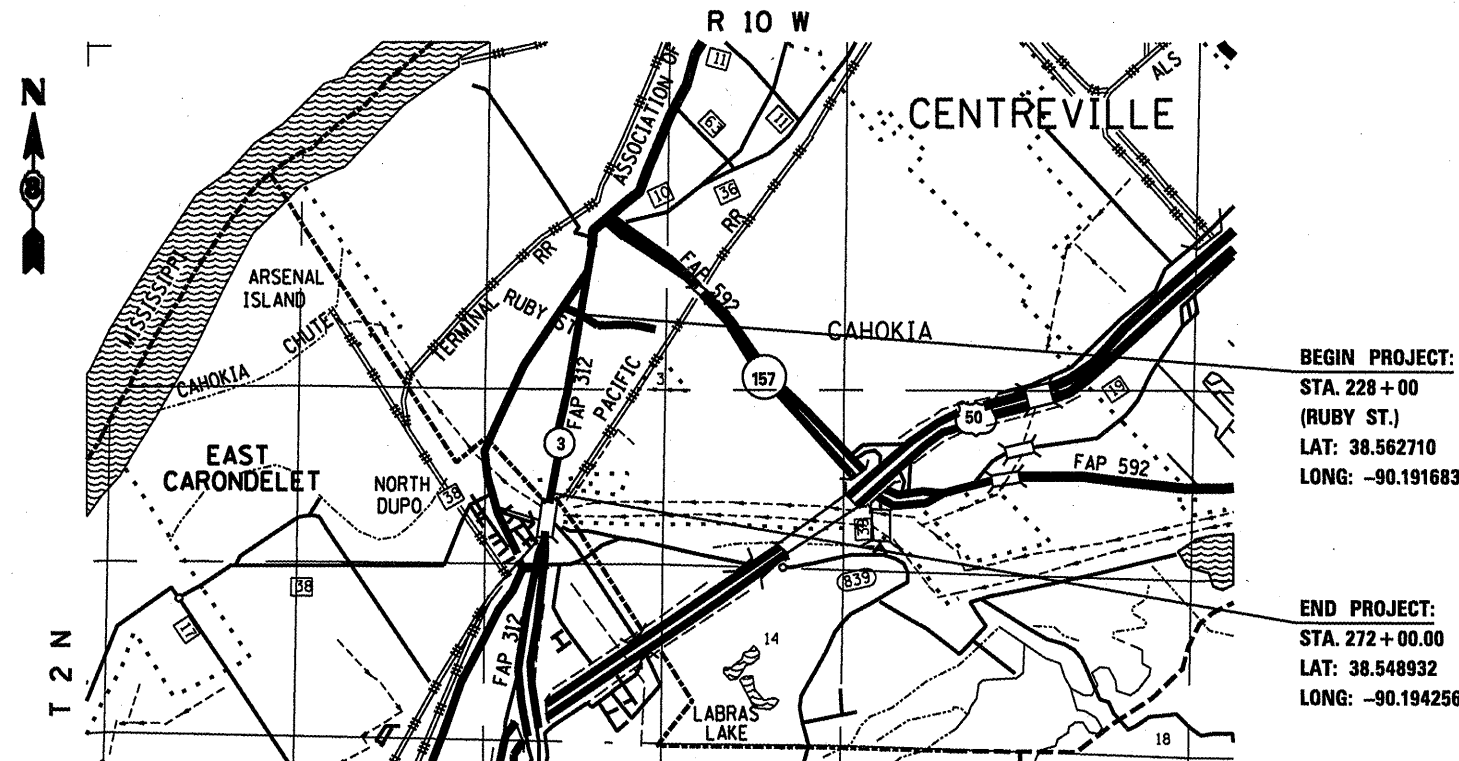
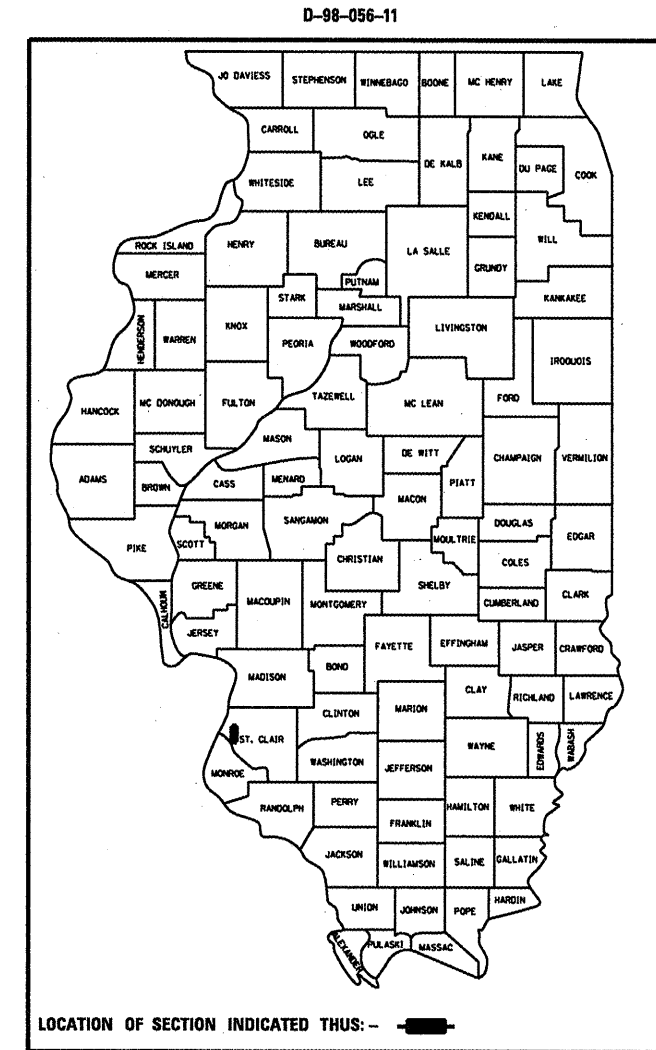
FAP ROUTE 312 (IL 3)  
SECTION 64-1RS-4  
PROJECT ACNHF-0312(041)  
3P - RESURFACING  
ST. CLAIR COUNTY

C-98-057-11

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-1RS-4	ST. CLAIR	23	1
ILLINOIS CONTRACT NO. 76E28				

INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES, STANDARDS, COMMITMENTS
3. SUMMARY OF QUANTITIES
4. ROADWAY LAYOUT
5. SCHEDULES
6. TYPICAL SECTIONS
- 7.- 15. PLAN SHEET
- 16.- 24. PAVEMENT MARKING SHEETS
25. DETAILS SHEET



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: PATTI LEBEAU (618)-346-3179  
PROJECT MANAGER: BILLIE OWEN (618)-346-3186

CONTRACT NO. 76E28

GROSS LENGTH = 4,400.00 FT. = 0.83 MI  
NET LENGTH = 4,400.00 FT. = 0.83 MI

FUNCTIONAL CLASSIFICATION:  
OTHER PRINCIPAL ARTERIAL

ADT	
2009	= 12400
2011	= 12600
2031	= 15400
S.U.	= 3.6%
M.U.	= 5.2%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *December 16* 20 *11*

*Tom M. Asano*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

*Feb 3* 20 *12*  
*John D. Bazzanzoli, P.E.*  
ENGINEER OF DESIGN AND ENVIRONMENT

*Feb 3* 20 *12*  
*William R. Fleas*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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GENERAL NOTES

1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.

2. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

*AMERICAN BOTTOMS REGIONAL WASTEWATER TREATMENT FACILITY - SEWER	BURIED
*AMEREN ILLINOIS - GAS & ELECTRIC	AERIAL, BURIED
*AT&T ILLINOIS - COMMUNICATIONS	AERIAL, BURIED
*BUCKEYE PARTNERS L.P. WOOD RIVER PIPELINE - PIPELINE	BURIED
*VILLAGE OF CAHOKIA - WATER, SEWER	BURIED
*CENTERPOINT ENERGY - PIPELINE	BURIED
*CHARTER COMMUNICATIONS, INC. - CABLE TV	AERIAL, BURIED
*CITY OF COLUMBIA - WATER, SEWER	BURIED
*COMMONFIELDS OF CAHOKIA PUBLIC WATER DISTRICT - WATER, SEWER	BURIED
*CONOCO PHILLIPS COMPANY HARTFORD TERMINAL - PIPELINE	BURIED
*HARRISONVILLE TELEPHONE COMPANY - COMMUNICATION	AERIAL, BURIED
*LACLEDE PIPELINE COMPANY - PIPELINE	BURIED
*PRAIRIE DU PONT PUBLIC WATER - WATER	BURIED

MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY \*. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

4. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, BINDER COURSE AND FINAL SURFACE COURSE. ONLY THE REMOVAL OF THE FINAL SURFACE APPLICATION WILL BE PAID FOR (WORK ZONE PAVEMENT MARKING REMOVAL - SQ. FT). AN AMOUNT OF TEMPORARY PAVEMENT MARKING WHICH EQUALS THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS ALSO BEEN ADDED TO THE PLANS.

5. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SURFACE	POLY-LEVEL BINDER	SHOULDER>2.25"	SHOULDER<2.25"
AC/PG	PG 64-22	SBS PG 76-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE CONTRACT RAP	SEE CONTRACT RAP
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=50	SPECIAL PROVISION	SPECIAL PROVISION
MIX COMPOSITION			2.0% @ Ndes=30	2.0% @ Ndes=30
(GRADATION MIXTURE)	IL 12.5/9.5	IL 4.75	NMAS 3/4"	NMAS 1/2"
FRICITION AGG	MIXTURE "D"	MIXTURE "C"		

PLAN QUANTITIES FOR HMA (HOT MIX ASPHALT) CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

6. THE THICKNESS OF THE HMA 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 HMA MIXTURE IS PLACED.

7. ALL PATCHES SHALL BE PLACED AT THE RESIDENT ENGINEER'S DISCRETION IN CONSULTATION WITH OPERATIONS FIELD ENGINEER.

8. 'ROAD CONSTRUCTION AHEAD' SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT PLUS THE INTERSECTING SIDEROADS, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE AND 48" X 48".

9. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.

10. ALL TEMPORARY PAVEMENT MARKING SHALL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

11. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WAS CREATED USING MICROFLIM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE ASSUMED TO BE APPROXIMATE.

12. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE. THESE AREA SHALL BE SEEDED WITH CLASS 1,2, OR 3 SEEDING AS DIRECTED BY ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04. THIS WORK SHALL NOT BE PAID FOR SEPERATELY AND SHALL BE AT THE COST OF THE CONTRACTOR.

13. THE DEPARTMENT STRONGLY ENCOURGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IN TRAINING MINORITIES, WOMEN AND DIADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS. SITE WORK, TOOLS USED, ECT.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.

COMMITMENTS

NO COMMITMENTS

STANDARDS

- 000001-06
- 701101-02
- 701106-02
- 701426-04
- 701606-08
- 701901-02
- 780001-03
- 781001-03
- 701601-07**

FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES, COMMITMENTS &amp; STANDARDS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 12/16/2011	DATE -	REVISED -	FED. ROAD DIST. NO.   ILLINOIS   FED. AID PROJECT							
				SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.			

# SUMMARY OF QUANTITIES

URBAN

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		80%_FED 20%_STATE 0005		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	7.3	7.3		
40600300	AGGREGATE (PRIME COAT)	TON	35.2	35.2		
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	986	986		
40600895	CONSTRUCTING TEST STRIP	EACH	1	1		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	468	468		
40600990	TEMPORARY RAMP	SQ YD	78	78		
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	1972	1972		
40800020	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.02	0.02		
40800030	AGGREGATE (PRIME COAT)	TON	0.9	0.9		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	6	6		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	28112	28112		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	236	236		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	586	586		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		80%_FED 20%_STATE 0005		
67100100	MOBILIZATION	L SUM	1	1		
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5024	5024		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	28600	28600		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	9534	9534		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	28600	28600		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	330	330		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	330	330		

\*SPECIALTY ITEM

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		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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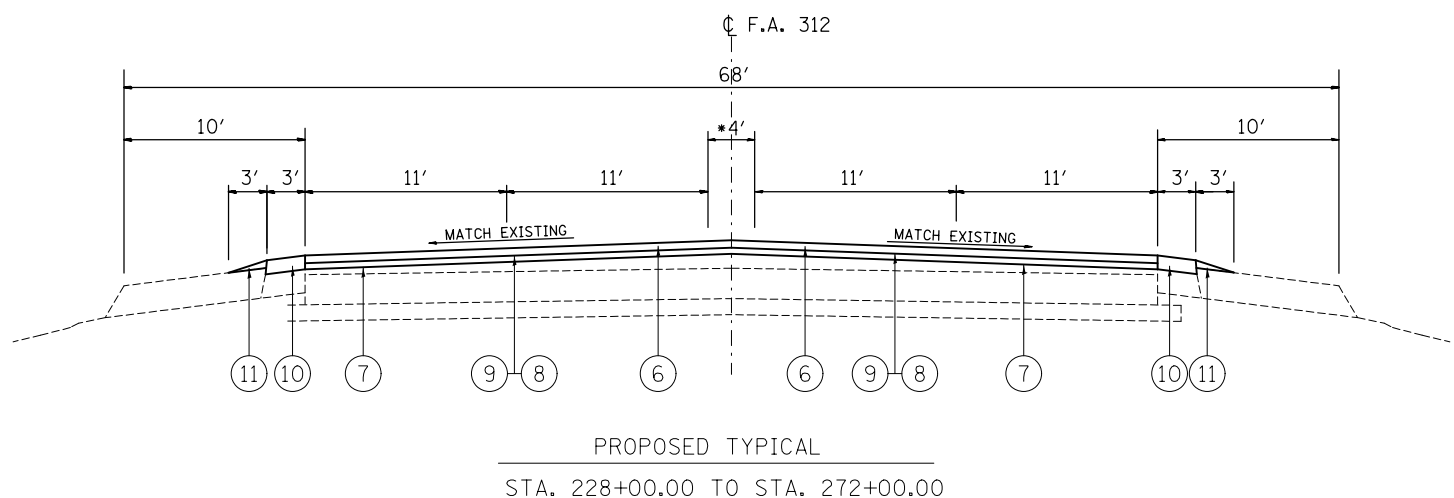
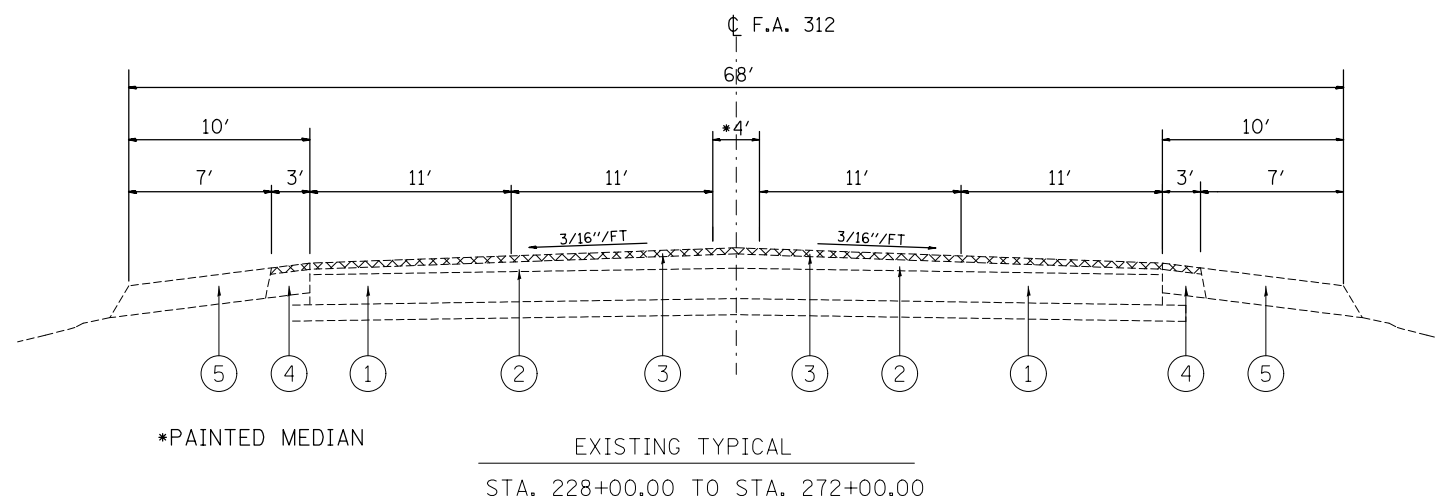
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312	64-IRS-4	ST. CLAIR	23	3
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E28	



RESURFACING SCHEDULE										
STA.	TO	STA.	LENGTH	BITUMINOUS MATERIAL (PRIME COAT)	AGGREGATE (PRIME COAT)	HMA SURFACE REMOVAL 1 1/2"	POLY-LEVEL BINDER (MM), N50, 3/4"	HMA SURFACE COURSE, MIX D, 1 1/2"	HMA SHOULDERS 2 1/4"	AGGREGATE WEDGE SHOULDERS
				(TON)	(TON)	(SQ YD)	(TON)	(TON)	(TON)	(TON)
228+00.	TO	272+00	4400	7.3	35.2	28112	986	1972	586	236
TOTAL:				7.3	35.2	28112	986	1972	586	236

THERMOPLASTIC PAVEMENT MARKINGS SCHEDULE									
STA.	TO	STA.	LENGTH	4"			RAISED REFLECTIVE PAVEMENT MARKERS		
				WHITE		DOUBLE YELLOW	AMBER ONE-WAY	CRYSTAL ONE-WAY	REMOVAL
				SKIP DASH	LANE LINE	LANE LINE			
(FEET)	(FEET)	(FEET)	(FEET)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	
228+00.	TO	272+00.	4400	2200	8800	17600	220	110	330
TOTAL:				28600			330	330	

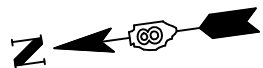
SIDEROAD/BUTT JOINT SCHEDULE									
STA.	TO	STA.	L/R	WIDTH	INCIDENTAL HMA SURFACING	BIT. MAT. (PRIME COAT)	AGGREGATE (PRIME COAT)	TEMPORARY RAMP	BUTT JOINTS
				(FEET)	(SQ YD)	(TON)	(TON)	(SQ YD)	(SQ YD)
228+00.00				48				26.7	160
FUTURA PLAZA									
232+26.13			L	48	6	0.02	0.9	26.7	146.7
272+00.00				48				24.4	160
TOTAL:					6	0.02	0.9	78	468



- ① EXISTING 10" PCC PAVEMENT
- ② EXISTING LEVELING BINDER, (MM) TYPE 2, (VARIABLE DEPTH)
- ③ EXISTING HMA CONCRETE SURFACE COURSE, MIX "D", CLASS I, 1 1/2"
- ④ EXISTING HMA SHOULDER, 8"
- ⑤ EXISTING AGGREGATE SHOULDERS TYPE B, 8"
- ⑥ PROPOSED HMA SURFACE COURSE, MIX "D", 1 1/2"
- ⑦ PROPOSED POLYMERIZED LEVEL BINDER (MM), N50, 3/4"
- ⑧ PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
- ⑨ PROPOSED AGGREGATE (PRIME COAT)
- ⑩ PROPOSED HMA SHOULDERS 2 1/4"
- ⑪ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B



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	PLOT DATE = 12/16/2011	DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.			



BEGIN PROJECT:  
STA. 228+00.00  
(EXISTING JOINT)

PROPOSED PAVEMENT:  
3/4" POLY-LEVEL BINDER  
1 1/2" HMA SURFACE COURSE

PROPOSED AGGREGATE WEDGE SHOULDER

PROPOSED HMA SHOULDER 2 1/4"

A STA. 224+88.50

226 | C F.A.P. RTE. 312 (ILL. RTE 3) | 227

228

229

230+00

231

3'  
3'  
22'  
4'  
22'  
3'  
3'

MATCHLINE STA. 232+00

PROPOSED HMA SHOULDER 2 1/4"

PROPOSED AGGREGATE WEDGE SHOULDER

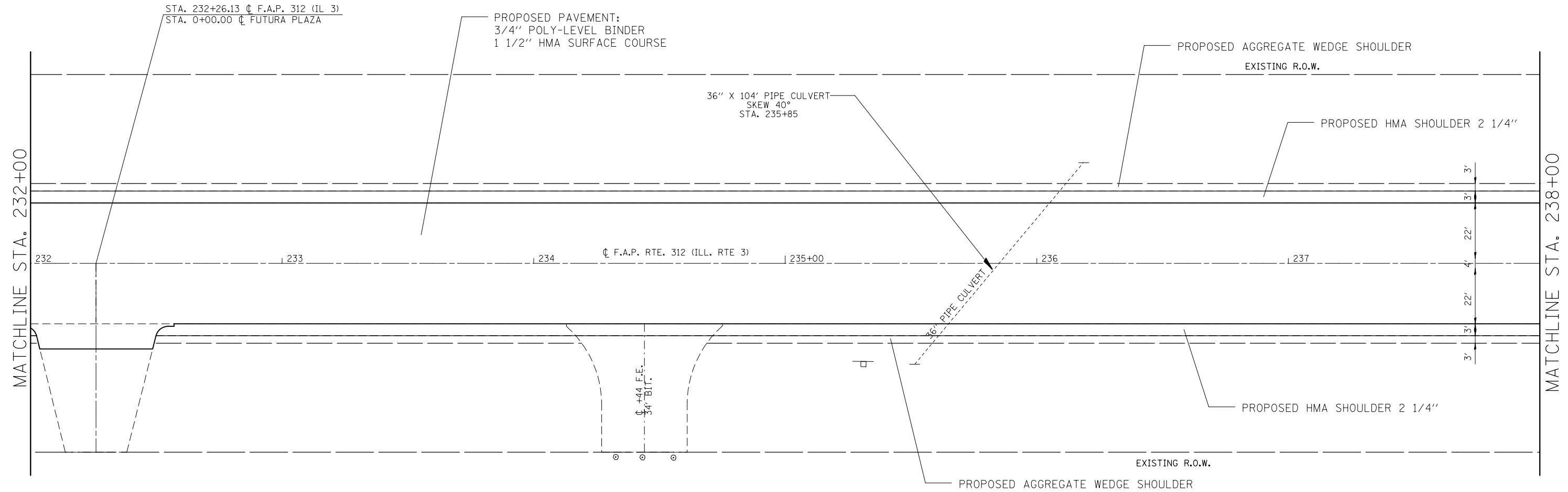
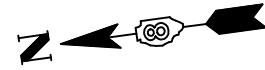
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	PLOT DATE = 12/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: 20 | SHEET NO. 1 OF 9 SHEETS | STA. 226+00 TO STA. 232+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-IRS-4	ST. CLAIR	23	7
FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E28	



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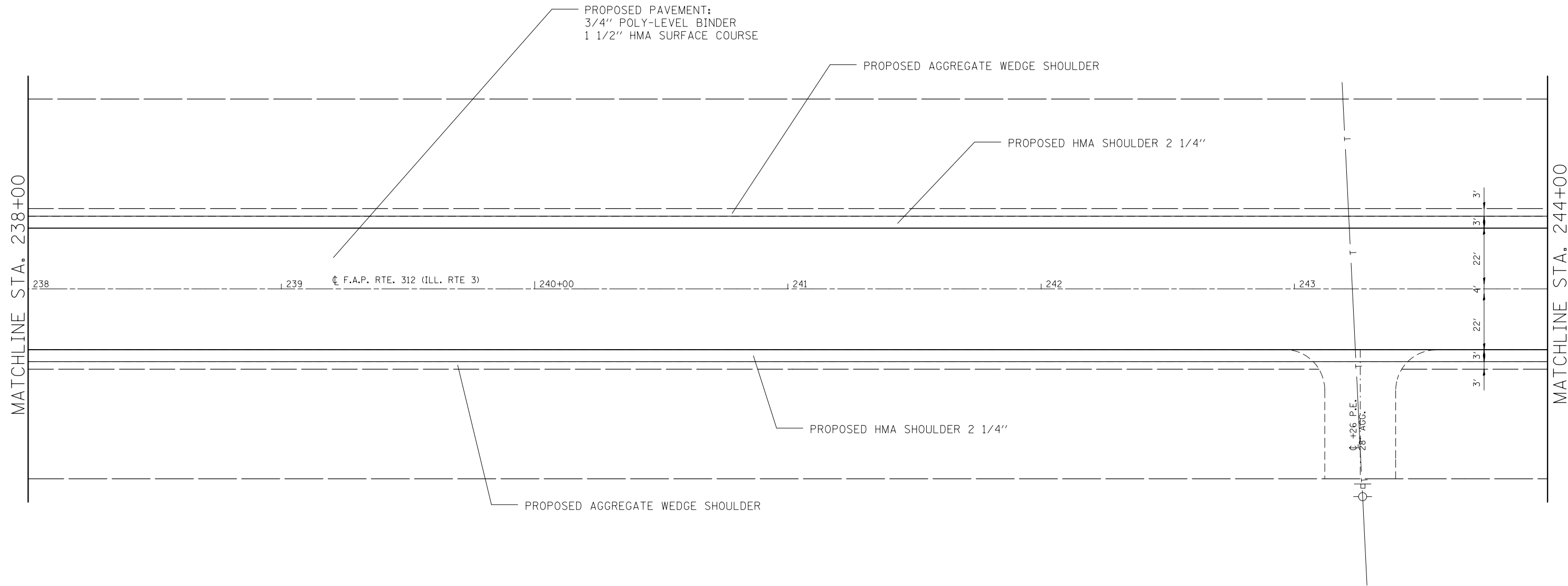
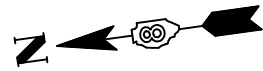
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: 20      SHEET NO. 2 OF 9 SHEETS      STA. 232+00 TO STA. 238+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76E28				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



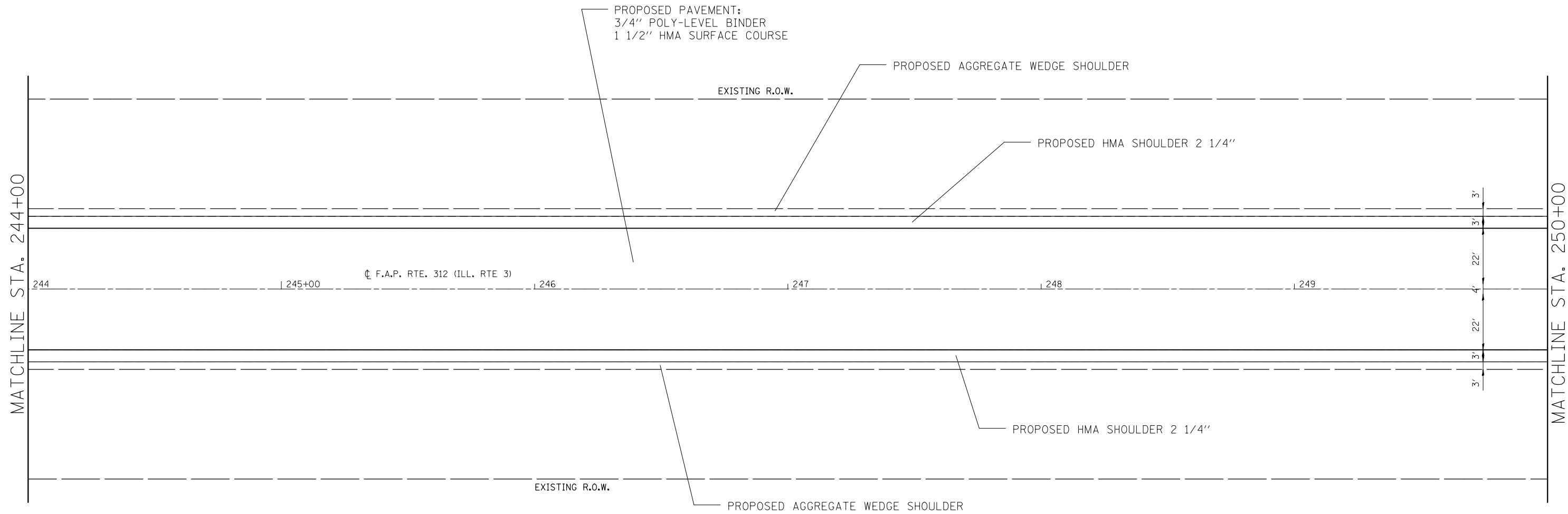
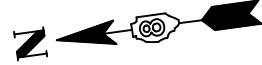


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: 20      SHEET NO. 3 OF 9 SHEETS      STA. 238+00 TO STA. 244+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-IRS-4	ST. CLAIR	23	9
CONTRACT NO. 76E28				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

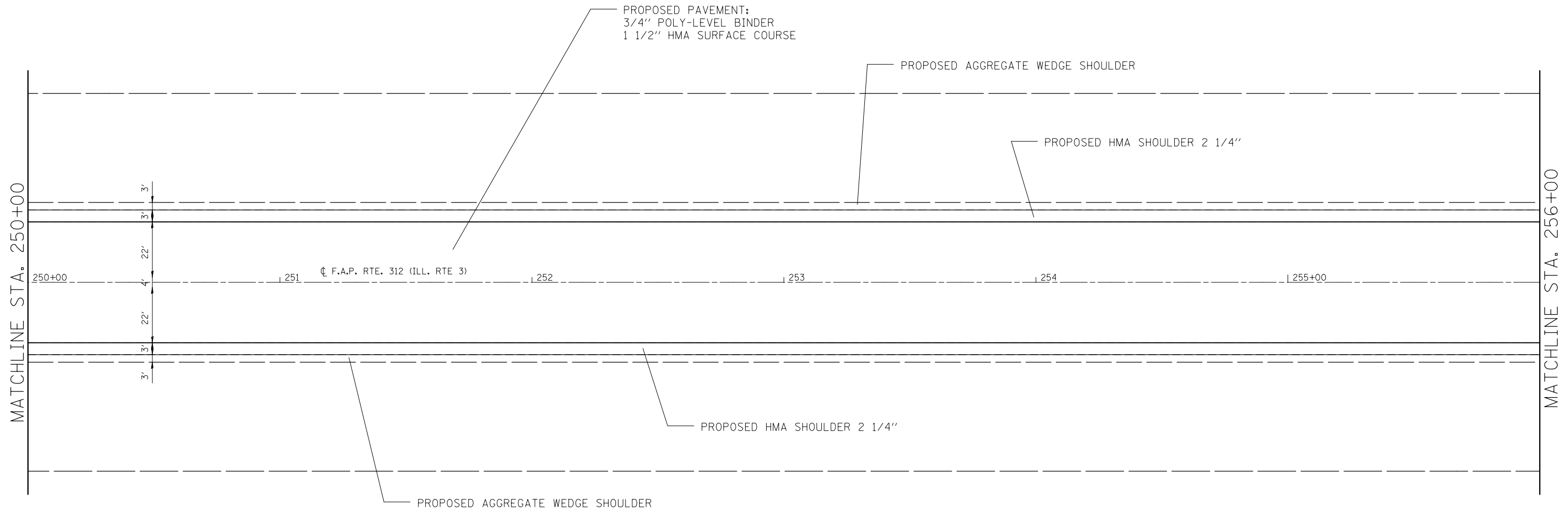
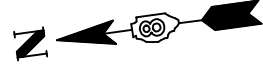


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	PLOT DATE = 12/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEETS</b>		
SCALE: 20	SHEET NO. 4 OF 9 SHEETS	STA. 244+00 TO STA. 250+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-IRS-4	ST. CLAIR	23	10
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76E28	

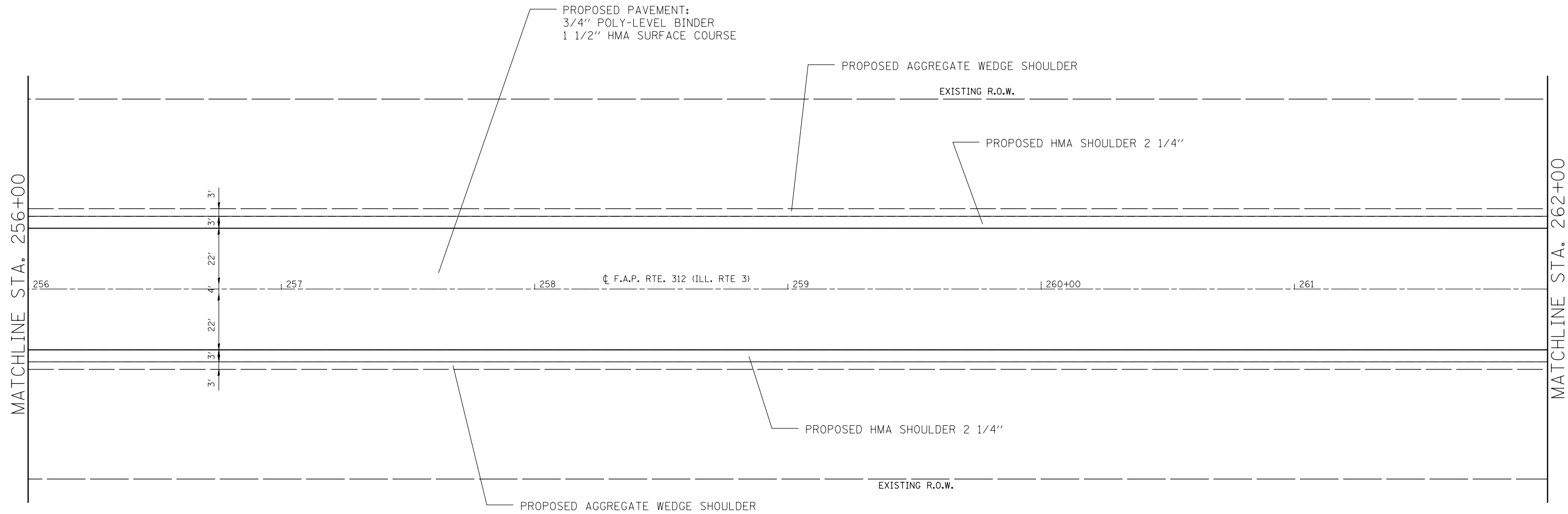
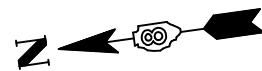


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	PLOT DATE = 12/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEETS</b>		
SCALE: 20	SHEET NO. 5 OF 9 SHEETS	STA. 250+00 TO STA. 256+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-IRS-4	ST. CLAIR	23	11
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E28	



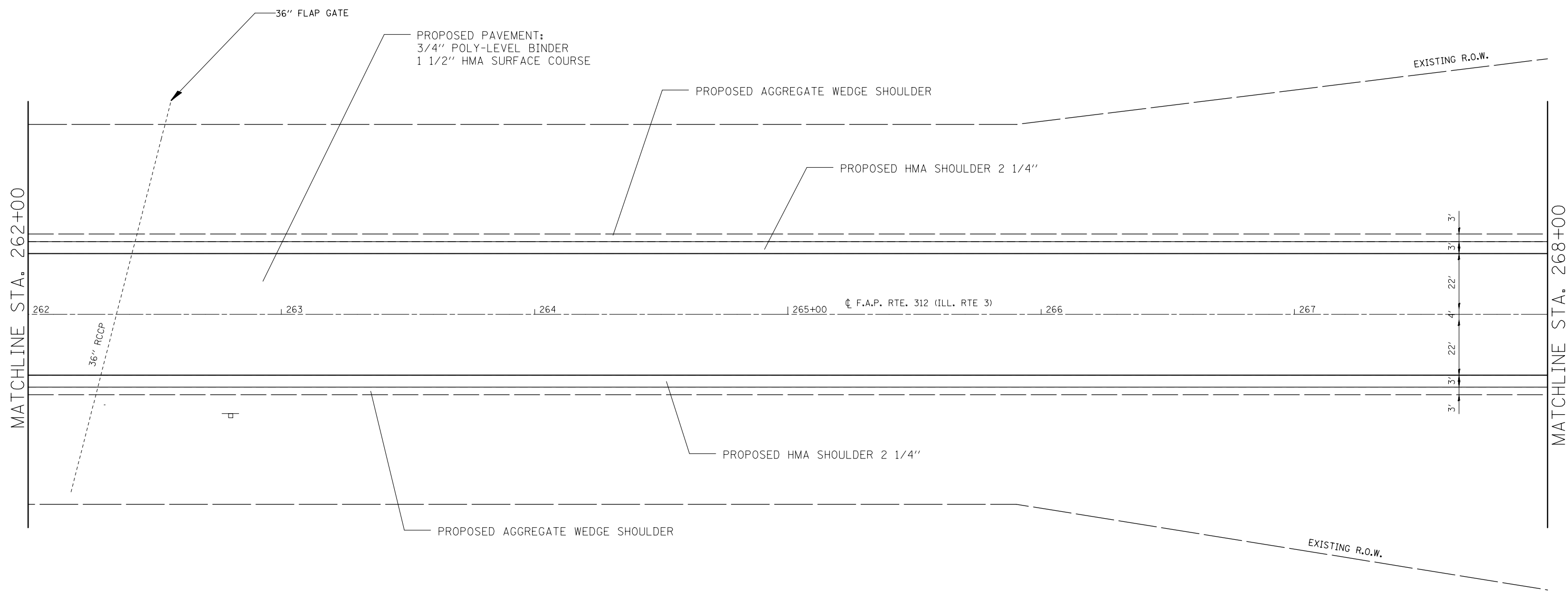
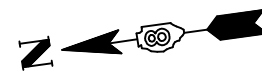
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	PLOT DATE = 12/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: 20      SHEET NO. 6 OF 9 SHEETS      STA. 256+00 TO STA. 262+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-IRS-4	ST. CLAIR	23	12
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E28	



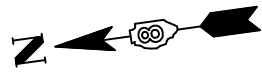
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

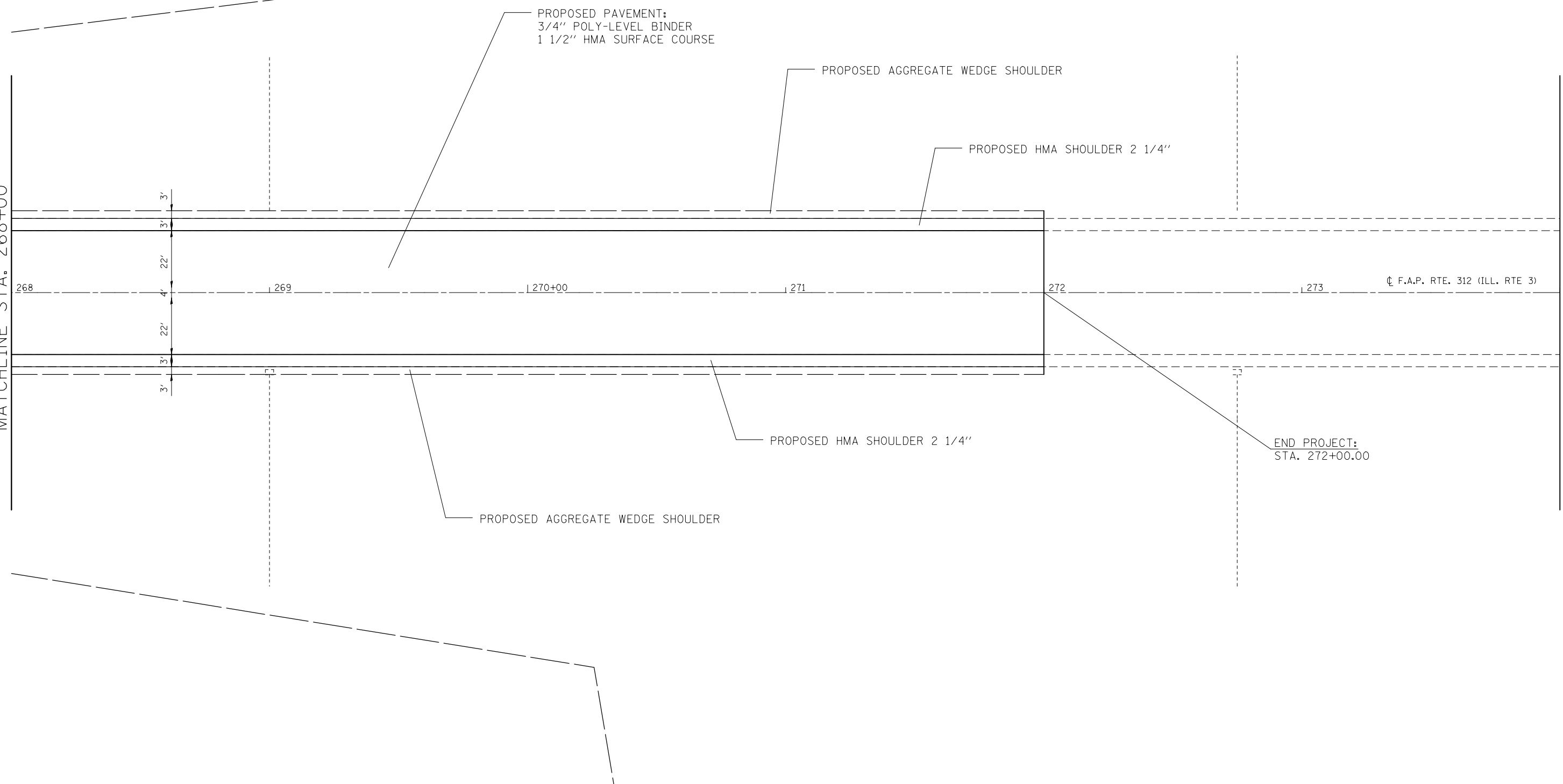
**PLAN SHEETS**

SCALE: 20      SHEET NO. 7 OF 9 SHEETS      STA. 262+00 TO STA. 268+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-IRS-4	ST. CLAIR	23	13
CONTRACT NO. 76E28				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 268+00



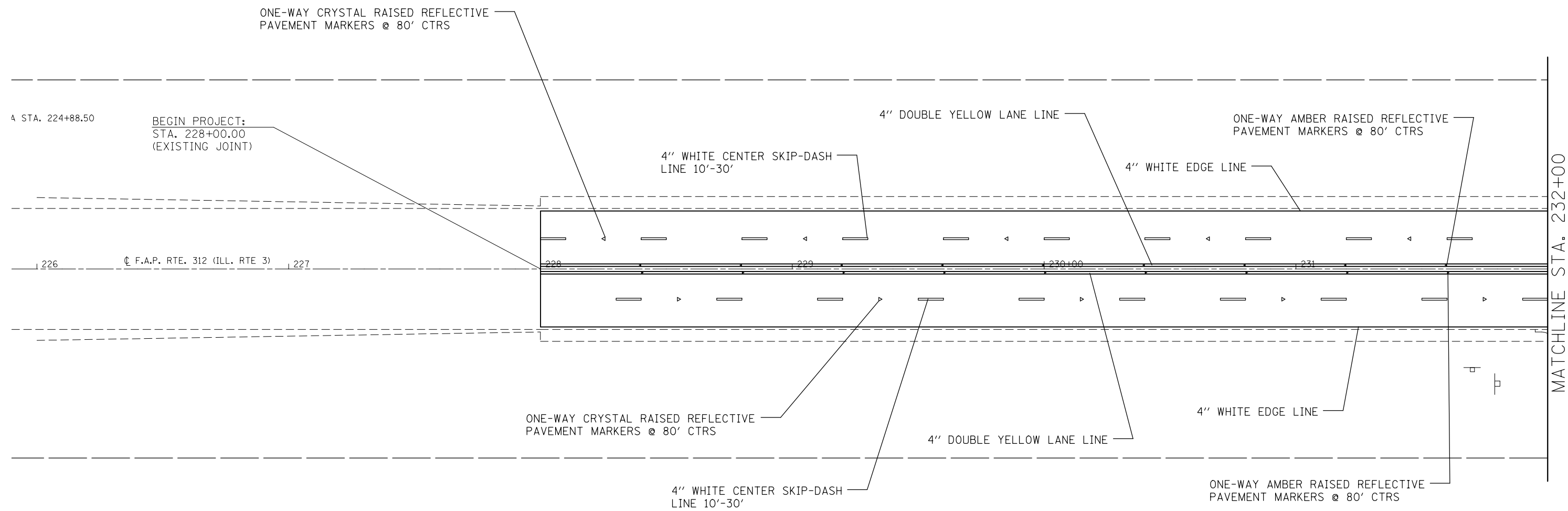
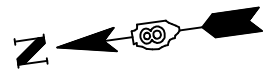
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: 20      SHEET NO. 8 OF 9 SHEETS      STA. 268+00 TO STA. 274+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-IRS-4	ST. CLAIR	23	14
CONTRACT NO. 76E28				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



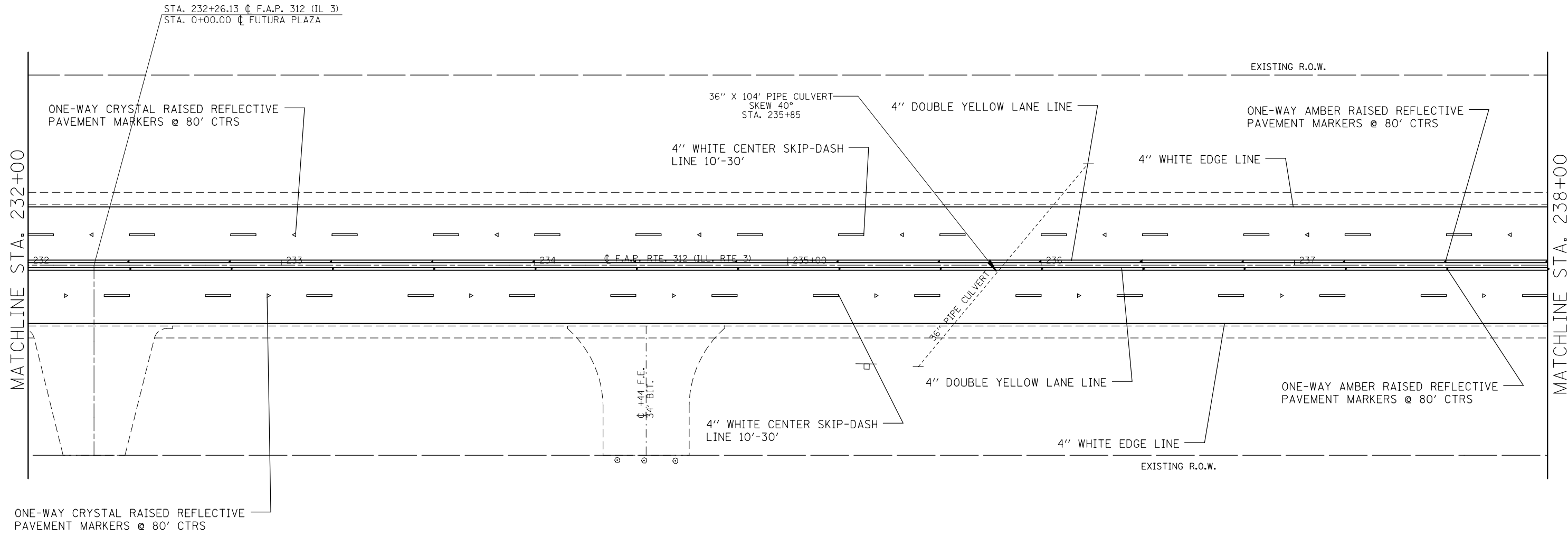
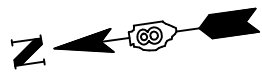
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	PLOT DATE = 12/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEETS**

SCALE: 20      SHEET NO. 1 OF 9 SHEETS      STA. 226+00 TO STA. 232+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-IRS-4	ST. CLAIR	23	15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E28	



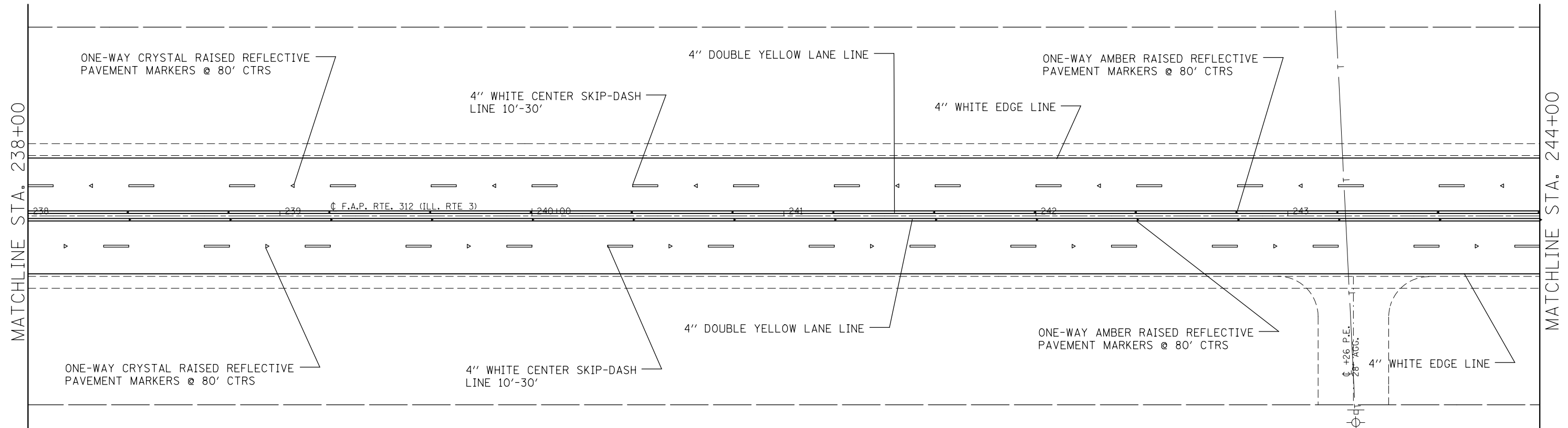
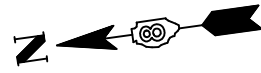
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	PLOT DATE = 12/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS SHEETS		
SCALE: 20	SHEET NO. 2 OF 9 SHEETS	STA. 232+00 TO STA. 238+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-IRS-4	ST. CLAIR	23	16
CONTRACT NO. 76E28				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





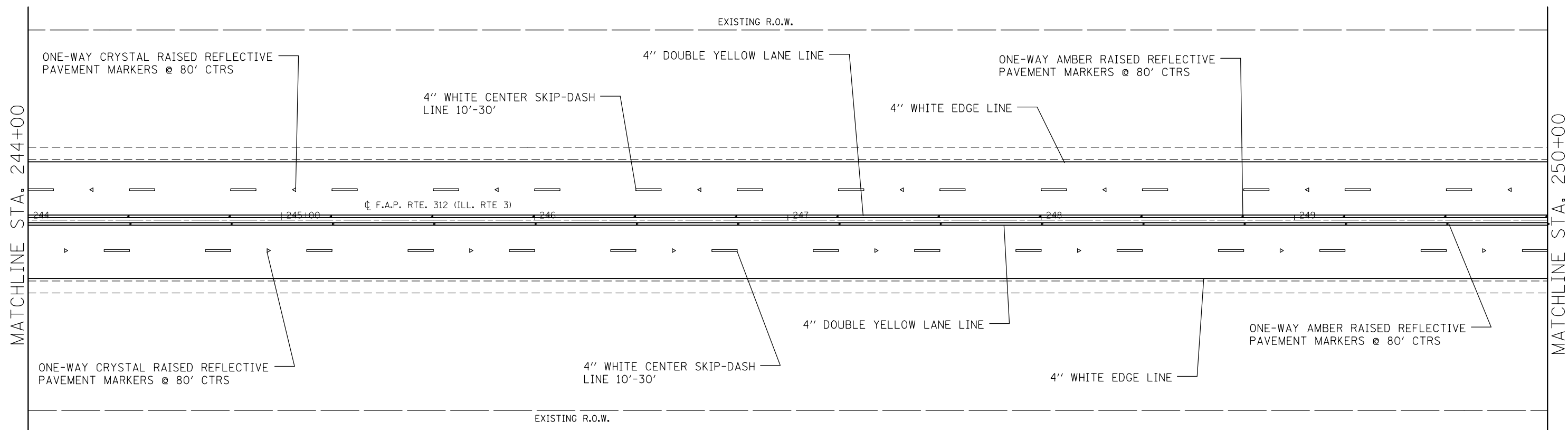
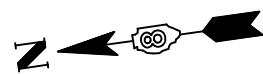
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	PLOT DATE = 12/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEETS**

SCALE: 20      SHEET NO. 3 OF 9 SHEETS      STA. 238+00 TO STA. 244+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-IRS-4	ST. CLAIR	23	17
CONTRACT NO. 76E28				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



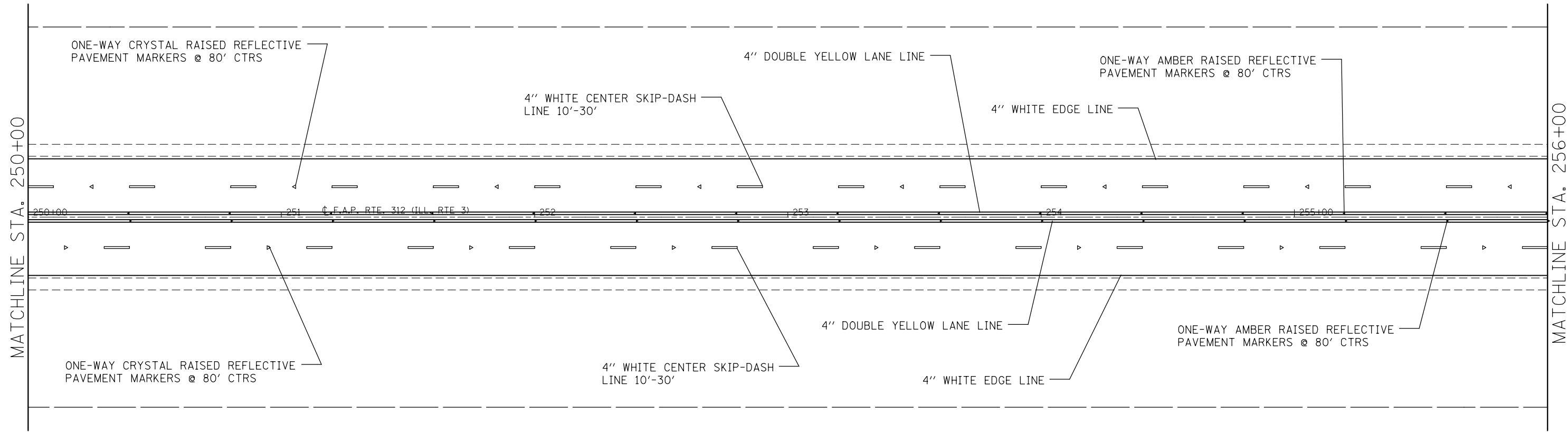
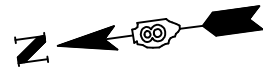
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	PLOT DATE = 12/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEETS**

SCALE: 20      SHEET NO. 4 OF 9 SHEETS      STA. 244+00 TO STA. 250+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-IRS-4	ST. CLAIR	23	18
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E28	

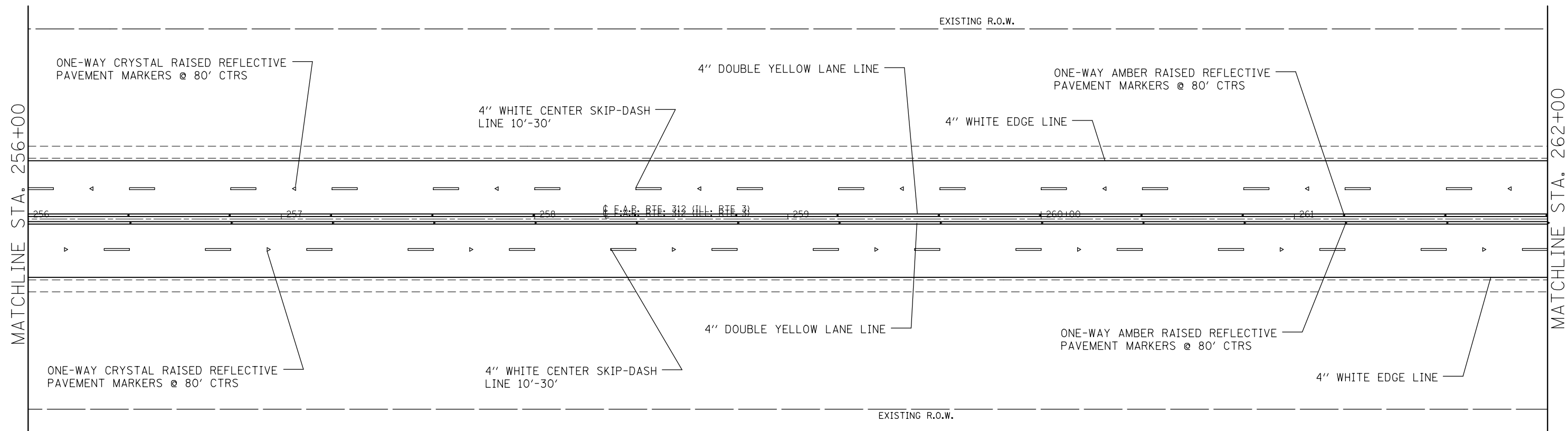
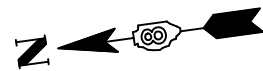


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	PLOT DATE = 12/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS SHEETS		
SCALE: 20	SHEET NO. 5 OF 9 SHEETS	STA. 250+00 TO STA. 256+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-IRS-4	ST. CLAIR	23	19
CONTRACT NO. 76E28				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



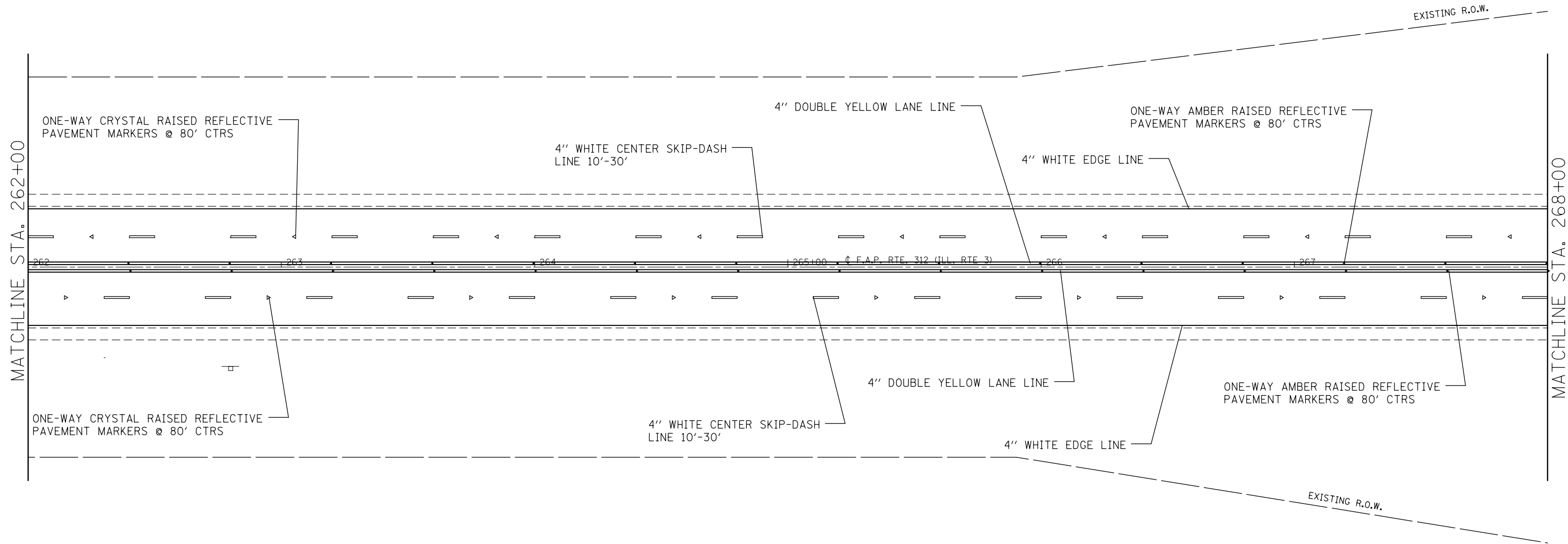
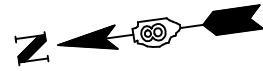
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	PLOT DATE = 12/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEETS**

SCALE: 20      SHEET NO. 6 OF 9 SHEETS      STA. 256+00 TO STA. 262+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-IRS-4	ST. CLAIR	23	20
CONTRACT NO. 76E28				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



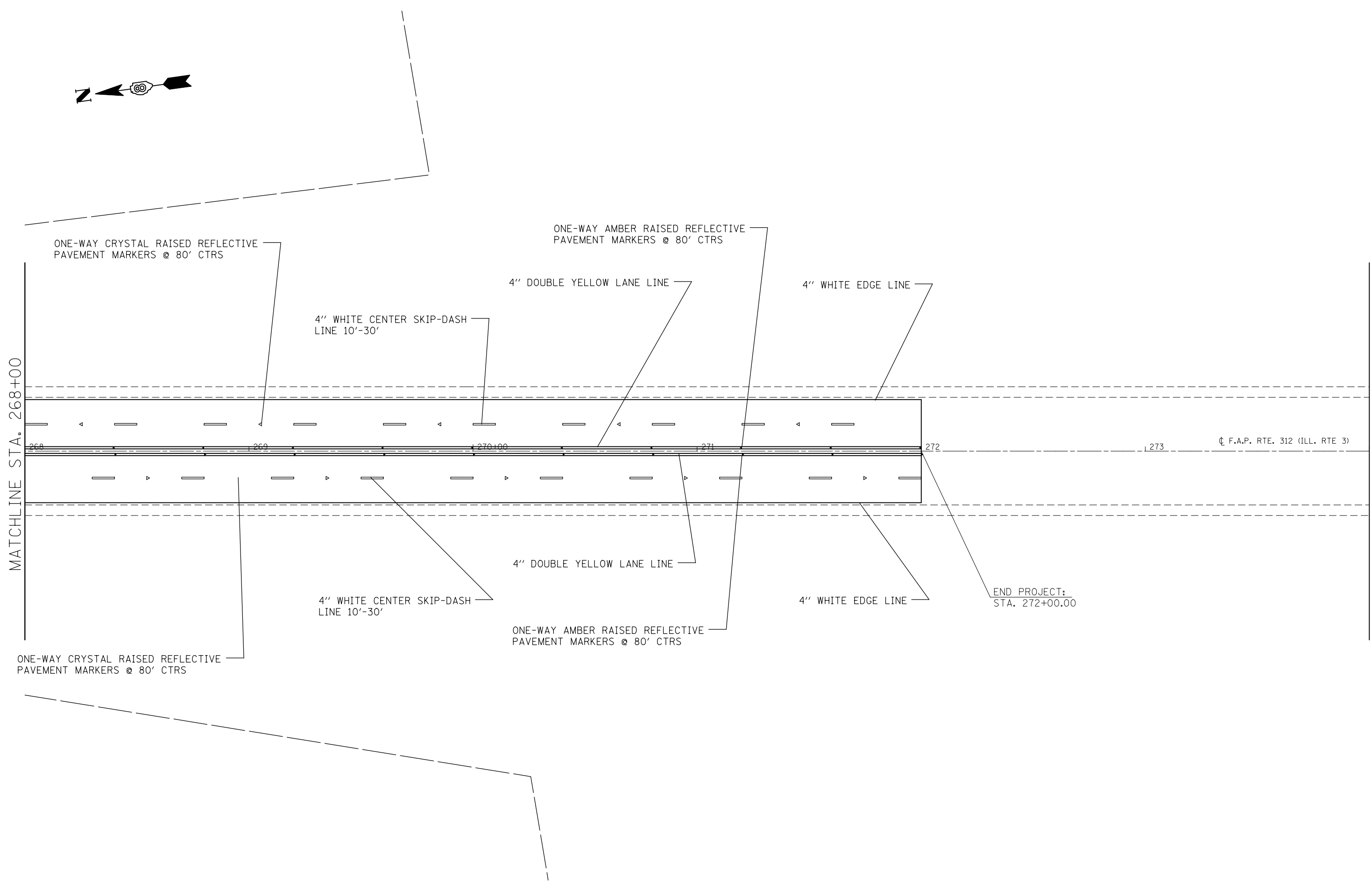
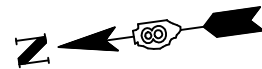
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	PLOT DATE = 12/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEETS**

SCALE: 20      SHEET NO. 7 OF 9 SHEETS      STA. 262+00 TO STA. 268+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-IRS-4	ST. CLAIR	23	21
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E28	



MATCHLINE STA. 268+00

☪ F.A.P. RTE. 312 (ILL. RTE 3)

END PROJECT:  
STA. 272+00.00

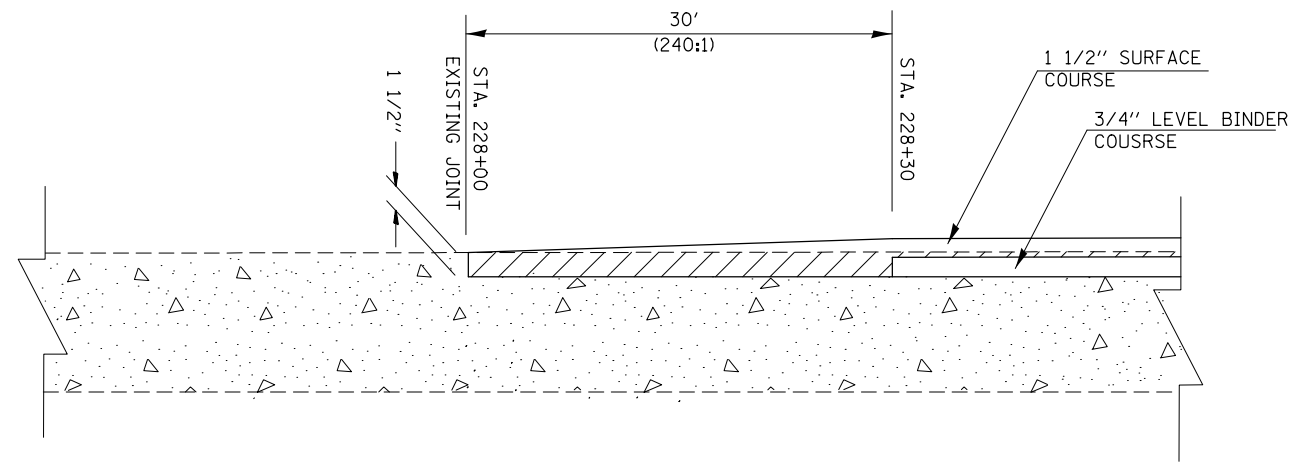
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS SHEETS**

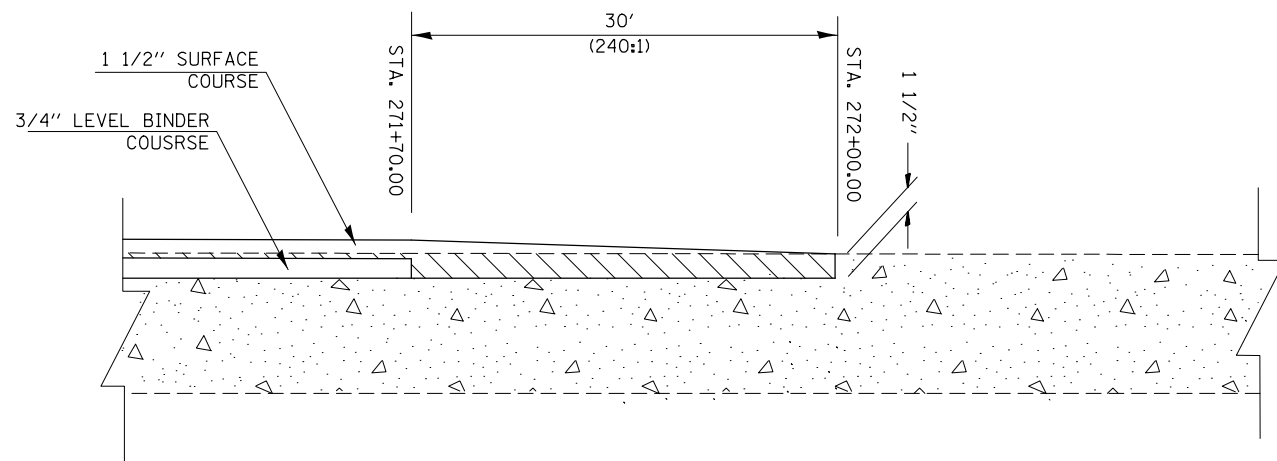
SCALE: 20      SHEET NO. 8 OF 9 SHEETS      STA. 268+00 TO STA. 274+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-IRS-4	ST. CLAIR	23	22
CONTRACT NO. 76E28				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



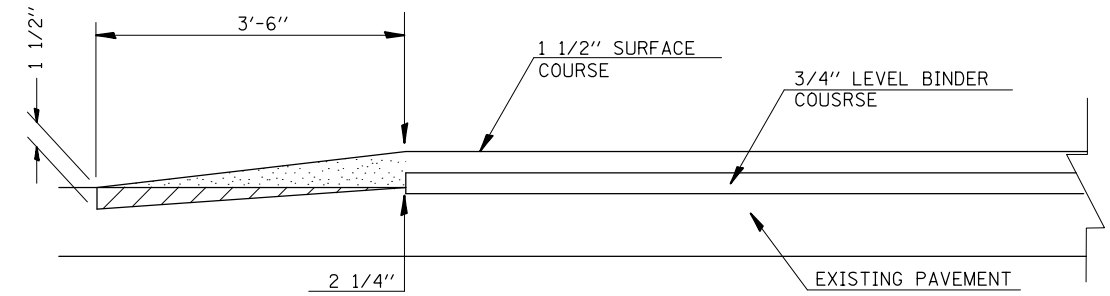
BUTT JOINT DETAIL

STA. 228+00.00

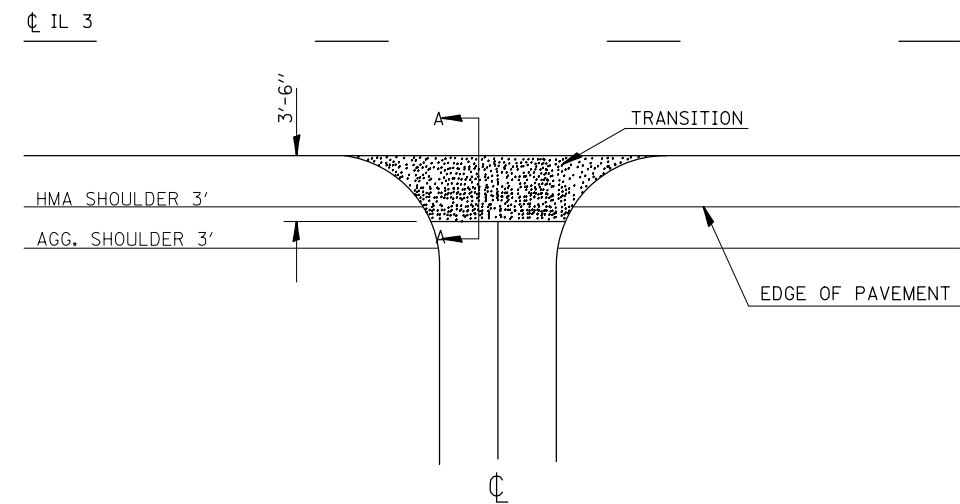


BUTT JOINT DETAIL

STA. 272+00.00



TRANSITION DETAIL  
SECTION A-A



SIDEROAD DETAIL

FUTURA PLAZA  
STA. 232+26.00

\*EOP  
ELEVATION  
CHANGE

- 3/4"
- 1"
- 1-1/2"
- 2"
- 2-1/2"
- 3"
- 3-1/2"
- 4"
- 4-1/2"
- 5"
- 5-1/2"
- 6"

\*\*TOTAL  
TRANSITION  
LENGTH

- 3/4"
- 1"
- 1-1/2"
- 2"
- 2-1/2"
- 3"
- 3-1/2"
- 4"
- 4-1/2"
- 5"
- 5-1/2"
- 6"

NOTE:

WHERE THE HMA TRANSITION IS MATCHING INTO AN EXISTING HMA SIDE ROAD SURFACE, A MILLED BUTT JOINT SHALL BE CONSTRUCTED WITHIN THE LIMITS OF THE TOTAL TRANSITION LENGTH ON THE LOCAL ROUTE.

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	PLOT DATE = 12/16/2011	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINT /SIDEROAD DETAIL SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-IRS-4	ST. CLAIR	23	23
CONTRACT NO. 76E28				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				