

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3-6 SUMMARY OF QUANTITIES
- 7-9 TYPICAL SECTIONS
- 10-12 SCHEDULES
- 13 PERMANENT SURVEY MARKERS
- 14-17 CURVE DATA
- 18-21 PAVEMENT MARKING DETAILS
- 22-26 DETAILS

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 482011-03 HMA SHOULDER STRIPS/SHOULDERS WITH RS OR WIDENING & RS PROJECTS
- 542401-01 METAL END SECTION FOR PIPE CULVERTS
- 635001-01 DELINEATORS
- 635008-03 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 635011-02 REFLECTOR MARKER AND MOUNTING DETAILS
- 642001-02 SHOULDER RUMBLE STRIPS, 16 INCH
- 642006 SHOULDER RUMBLE STRIPS, 8 INCH
- 667101-02 PERMANENT SURVEY MARKERS
- 701001-02 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
- 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701011-04 OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
- 701901-03 TRAFFIC CONTROL DEVICES
- 780001-04 TYPICAL PAVEMENT MARKINGS
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

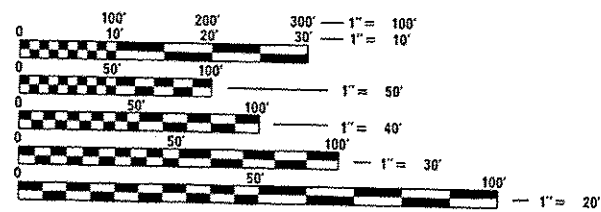
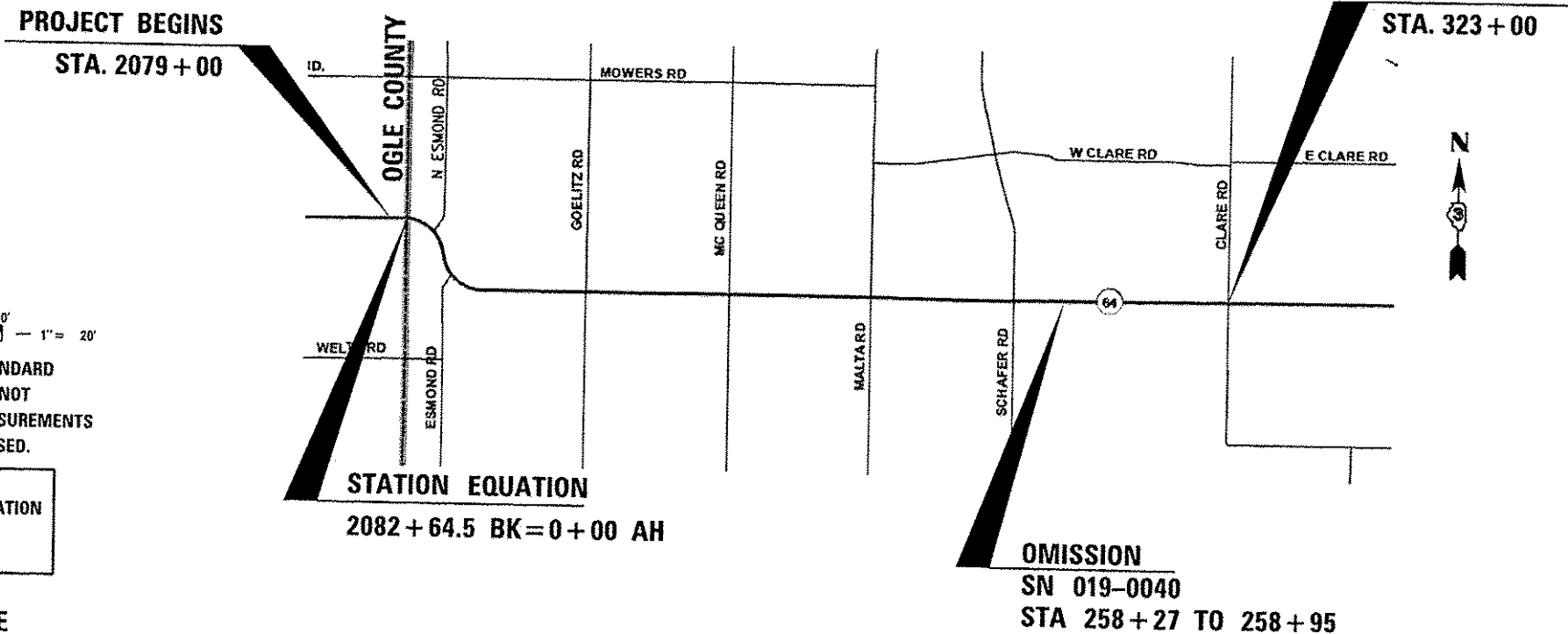
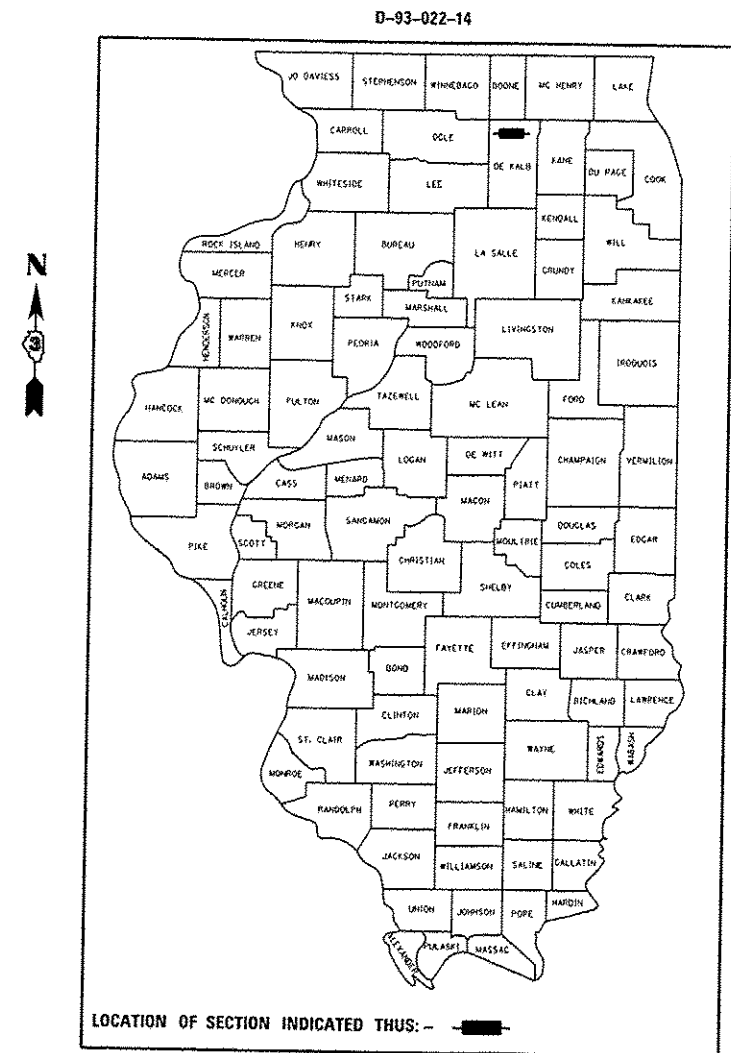
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 17 (IL 64)
SECTION (124)I & RS-3
PROJECT: ACHSIP-0017 (130)
IL 64 FROM JUST WEST OF
OGLE COUNTY LINE TO CLARE ROAD
DEKALB COUNTY

C-93-029-14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(124)I & RS-3	DEKALB	26	1
ILLINOIS		CONTRACT NO. 66D36		



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: JOE KANNEL, PE
UNIT CHIEF: MICHELE LINDEMANN, PE
DISTRICT NO. (815)-434-6131
CONTRACT NO. 66D36

GROSS LENGTH = 32664.5 FT. = 6.186 MILE
NET LENGTH = 32596.5 FT. = 6.174 MILE

RURAL MINOR ARTERIAL
2013 ADT = 4650
P.V. = 81.7%
S.U. = 9.7%
M.U. = 8.6%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *Dec 6 2013*
and A. Lankford
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Jan 24 2014
John D. Baranzelli, PE
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 24 2014
Omer Osman, PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

GENERAL NOTES

THE THICKNESS OF HMA 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 IS PLACED.

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES (100 MILLIMETERS) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE LEFT ON, OR INCORPORATED WITHIN, THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: *Tom Brown*
DISTRICT STUDIES & PLANS ENGINEER

DATE: 12-6-13

EXAMINED BY: *Herb...*
DISTRICT CONSTRUCTION ENGINEER

...
DISTRICT MATERIALS ENGINEER

...
DISTRICT OPERATIONS ENGINEER

FILE NAME *	USER NAME * carpenterdj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\p1\dot\carpenterdj\0366282	0366036.sht-cover.dgn	DRAWN -	REVISED -			17	(1241) & RS-3	DEKALB	26	2	
	PLOT SCALE * 100.0000 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 66D36					
	PLOT DATE * 12/9/2013	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
SCALE: SHEET OF SHEETS STA. TO STA.											

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				ROADWAY
				70% FED./10% STATE 0005
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	534	534
20400800	FURNISHED EXCAVATION	CU YD	4.6	4.6
25000210	SEEDING, CLASS 2A	ACRE	6.03	6.03
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	542.9	542.9
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	542.9	542.9
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	542.9	542.9
25100115	MULCH, METHOD 2	ACRE	6.03	6.03
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	603.13	603.13
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	29	29
40600527	LEVELING BINDER (HAND METHOD), IL-9.5FG, N50	TON	48	48
40600627	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50	TON	5189	5189
40600895	CONSTRUCTING TEST STRIP	EACH	1	1
40600990	TEMPORARY RAMP	SQ YD	102	102
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	700	700

14
• SPECIALTY ITEMS

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pvs\dott\carpenter\d0366202	2366036-she-800.dgn	DRAWN -	REVISED -						17	(124) & RS-3	DEKALB	26	3
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 66036				
	PLOT DATE = 12/6/2013	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				90/FED./10/STATE ROADWAY 0005
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	9726	9726
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	16	16
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	80813	80813
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	55126	55126
48203100	HOT-MIX ASPHALT SHOULDERS	TON	6886	6886
63500105	DELINEATORS	EACH	82	82
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	55126	55126
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	7965	7965
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	8	8
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5
67100100	MOBILIZATION	L SUM	1	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	12	12
70300100	SHORT TERM PAVEMENT MARKING	FOOT	9799	9799

14

• SPECIALTY ITEMS

FILE NAME =	USER NAME = carpenterdj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\avidot\carpenterdj\0366282	0366036-wh1-500.dgn	DRAWN -	REVISED -		17	(124) & RS-3	DEKALB	26	4				
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PLOT DATE = 12/4/2013	DATE -	REVISED -	CONTRACT NO. 66036										

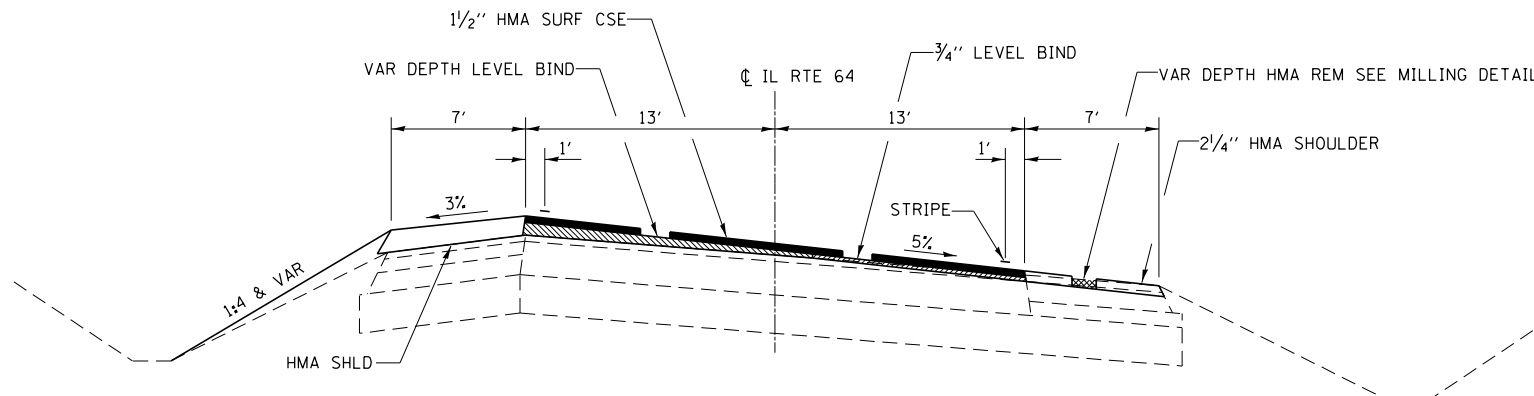
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				ROADWAY
				981-FED./101-STATE
				0005
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	50 FT	312	312
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	137611	137611
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	27300	27300
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1149	1149
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	98	98
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	151	151
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	50 FT	3266	3266
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	50 FT	156	156
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10305	10305
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	794	794
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	65	65
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	91	91
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	75900	75900
78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	131,800	131,800

111

• SPECIALTY ITEMS

FILE NAME =	USER NAME = carpenterd_j	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pvidot\carpentard_j\08366282	0366036-sht-500.dgn	DRAWN -	REVISED -		17	41241 & RS-3	DEKALB	26	5				
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	PLOT DATE = 12/9/2013	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

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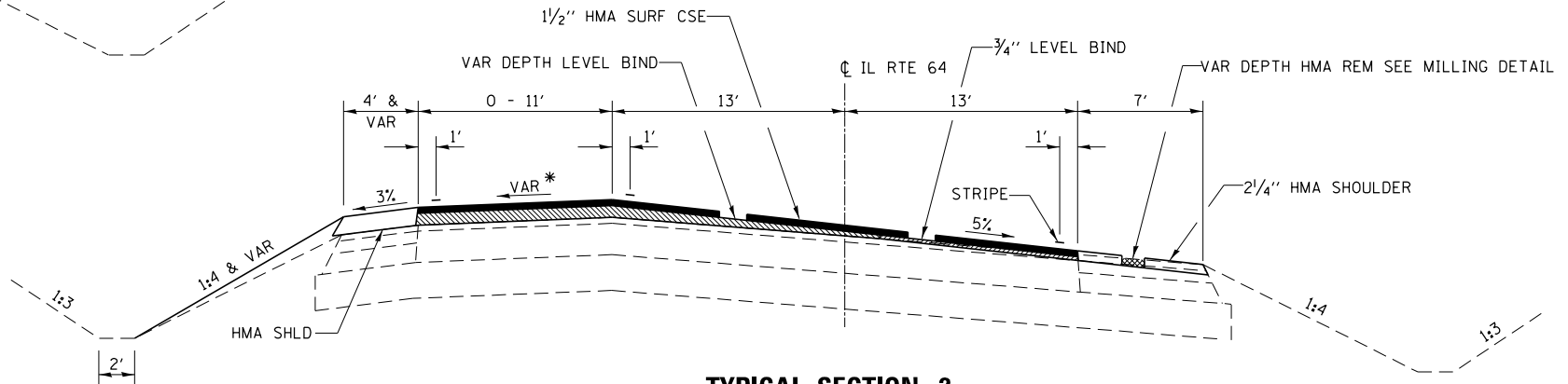


TYPICAL SECTION 1

STA 2079+00 - STA 2082+64.50
 STA 0+00 - STA 9+71.50
 STA 17+42.60 - STA 20+55.15

STATION EQUATION

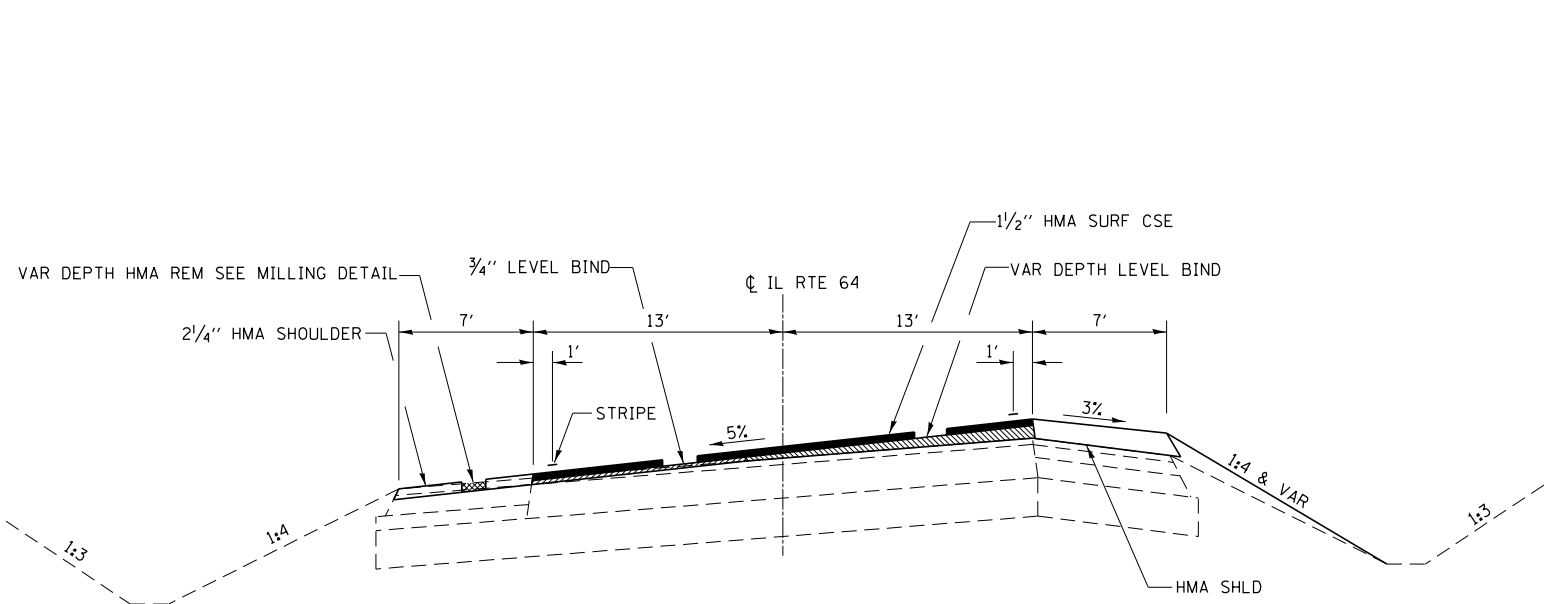
STA 2082+64.5 BK = 0+00 AH



TYPICAL SECTION 2

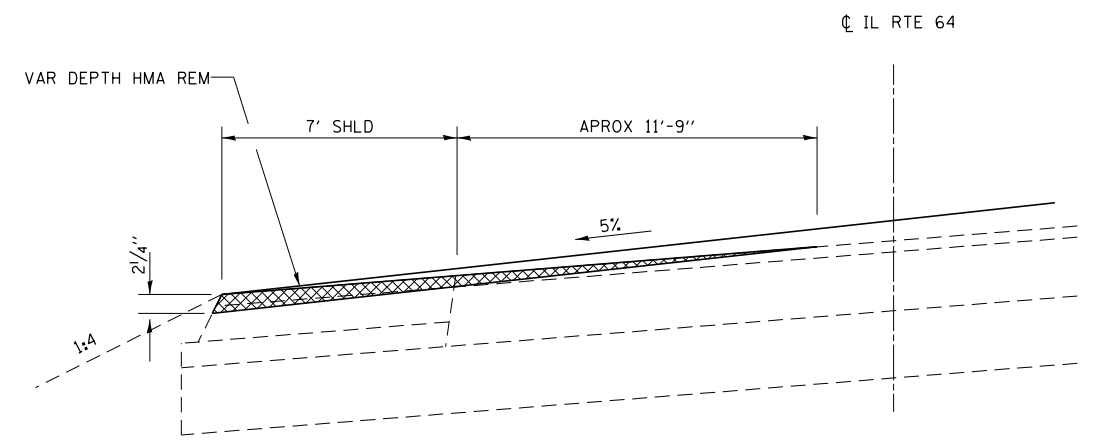
STA 9+71.50 - STA 17+42.60

* SLOPES 1% AWAY FROM CENTERLINE FROM STA 9+71.50 TO STA 12+12.57
 SLOPE VARIES FROM 1% AWAY AT STA 12+12.57 TO 5% TOWARDS CENTERLINE AT STA 15+67.57
 SLOPES 5% TOWARDS CENTERLINE FROM STA 15+67.57 TO STA 17+42.60



TYPICAL SECTION 3

STA 20+55.15 - STA 22+96.70
 STA 30+59.70 - STA 43+50



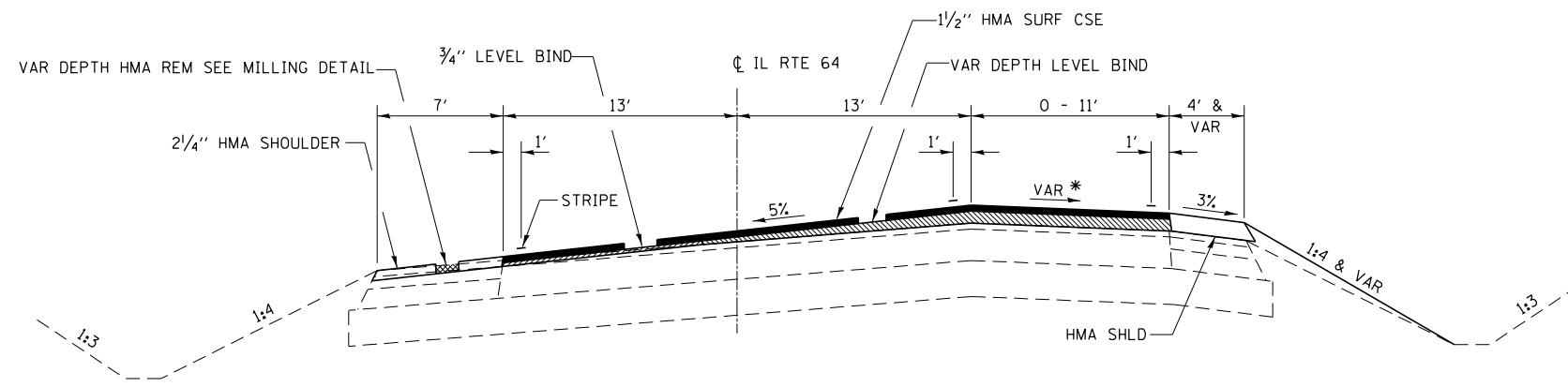
**MILLING DETAIL
 SUPERELEVATED SECTIONS**

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	PLOT DATE = 12/6/2013	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

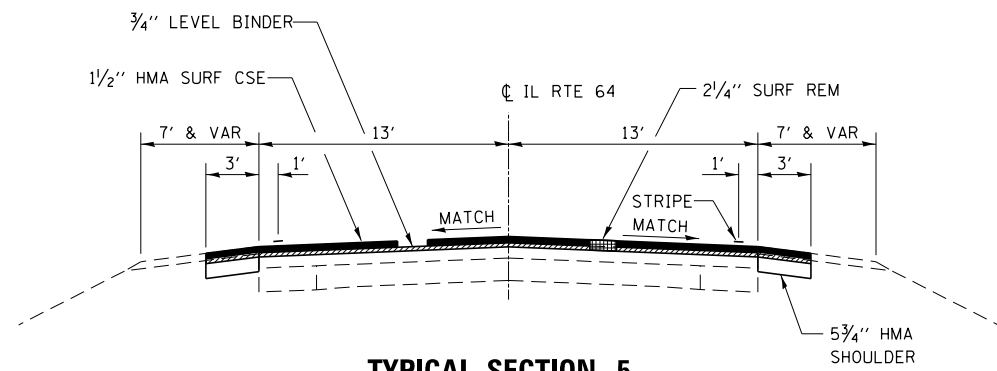
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(124)I & RS-3	DEKALB	26	7
CONTRACT NO. 66D36				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION 4

STA 22+96.25 - STA 30+59.70

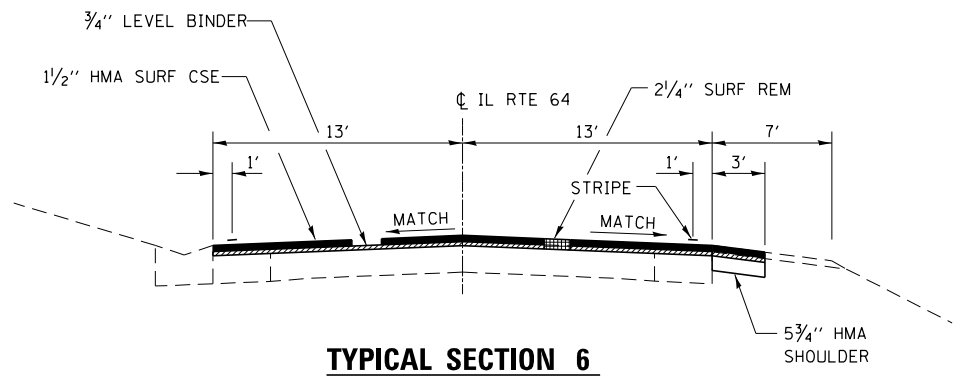
* SLOPES 5% TOWARDS CENTERLINE FROM STA 22+96.25 TO STA 24+71.65
 SLOPE VARIES FROM 5% TOWARDS CENTERLINE AT STA 24+71.65 TO 1.5% AWAY FROM CENTERLINE AT STA 28+26.65
 SLOPES 1.5% AWAY FROM CENTERLINE FROM STA 28+26.65 TO STA 30+59.70



TYPICAL SECTION 5

STA 43+50 - STA 97+20
 STA 101+09 - STA 122+51
 STA 125+00 - STA 156+16.80
 STA 164+92 - STA 255+35
 STA 261+00 - STA 323+00

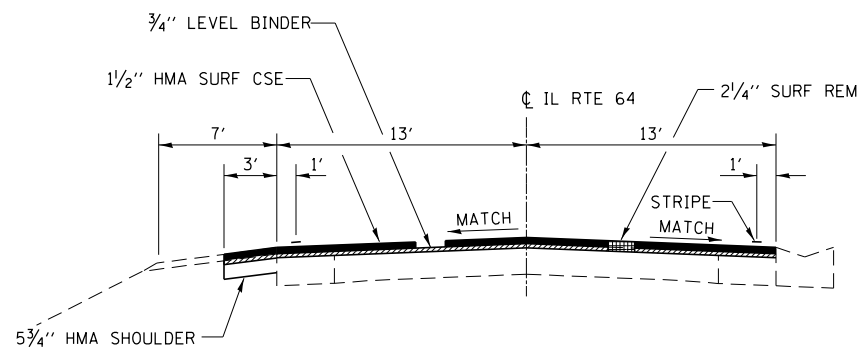
NOTE: END PROJECT AT RADIUS RETURN OF THE WEST LEG OF CLARE RD AND IL 64



TYPICAL SECTION 6

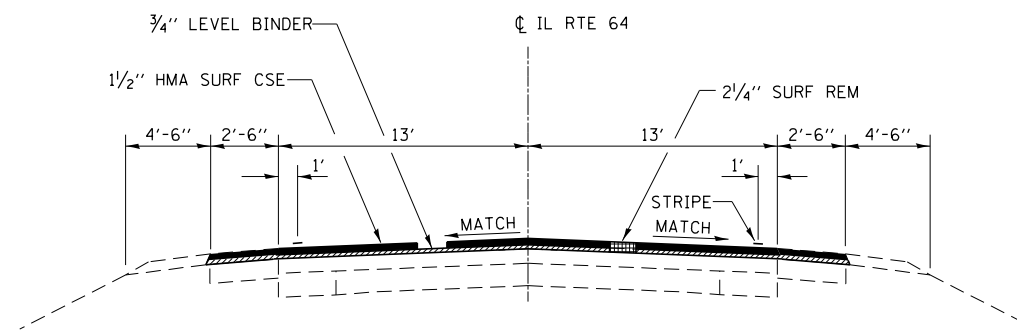
STA 97+20 - STA 101+09

MIX DESIGN					
MIX	PG GRADE	DESIGN AIR VOIDS	MIX COMPOSITION	FRICITION AGG	DENSITY CONTROL
HMA LEVEL BINDER	PG 64-22	4.0% @N50	IL 9.5 FG		OCP CORES
HMA SURFACE	PG 64-22	4.0% @N50	IL 9.5	MIXTURE D	OCP CORES
INCIDENTAL HMA	PG 64-22	4.0% @N50	IL 9.5	MIXTURE C	SATISFACTION OF ENGINEER
HMA SHOULDERS	PG 64-22	4.0% @N50	IL 19.0 FG		CORES



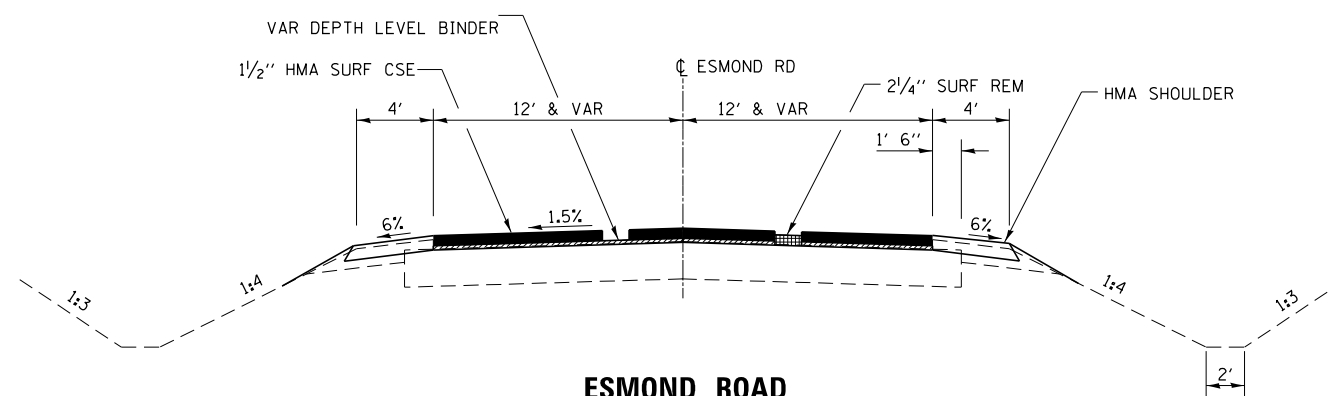
TYPICAL SECTION 7

STA 122+51 - STA 125+00



TYPICAL SECTION 8

STA 156+16.80 - STA 164+92



ESMOND ROAD

SOUTH ESMOND RD - STA 85+52.46 - STA 86+19.60
 NORTH ESMOND RD - STA 104+28.88 - STA 105+04.96

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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/6/2013	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(124)I & RS-3	DEKALB	26	9
CONTRACT NO. 66D36			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING SCHEDULE														
LOCATION		THERMOPLASTIC PVMT MARKING		THERMO PVMT MARK	THERMO PVMT MARK	THERMO PVMT MARK	THERMO PVMT MARK	THERMO PVMT MARK	PAINT PVMT MARKING		PAINT PVMT MARKING	RAISED REF PVMT MARKER	RAISED REFLECT PVMT MARKER	
		WHITE 4"	YELLOW 4"	WHITE 8"	WHITE 12"	WHITE 24"	WHITE 24"	LETTERS & SYMBOLS	WHITE 4"	YELLOW 4"	YELLOW 6"	REMOVAL EACH	WHITE EACH	YELLOW EACH
		FOOT	FOOT	FOOT	FOOT	FOOT	SO FT	FOOT	FOOT	FOOT	WHITE		YELLOW	
2079+00 TO 2082+64.50	364.5	729										5		5
0+00 TO 43+50	4350	8700	876	794	65	65	156		17400			67	13	54
43+50 TO 323+00	27950								111,800	2600	13650			
MALTA RD						26								
SUB TOTAL		9429	876	794	65	91	156		111,800	20000	13650	72	13	59
TOTAL			10305	794	65	91	156			131,000	13650	72		72

THE PERMANENT PAINT PAVEMENT MARKING SHALL BE APPLIED TWICE TO INCREASE THE THICKNESS. ADDITIONAL QUANTITY HAS BEEN INCLUDED.
NO PASSING ZONES SHALL BE REPLACED IN THE SAME LOCATIONS.

TEMPORARY PAVEMENT MARKING SCHEDULE									
LOCATION		TEMPORARY PVMT MARKING		TEMPORARY PVMT MARK	TEMPORARY PVMT MARK	TEMPORARY PVMT MARK	TEMPORARY PVMT MARK	TEMPORARY PVMT MARK	TEMPORARY PVMT MARK
		WHITE 4"	YELLOW 4"	YELLOW 6"	WHITE 8"	WHITE 12"	WHITE 24"	WHITE 24"	LETTERS & SYMBOLS
		FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	WHITE SO FT
2079+00 TO 2082+64.50	364.5	1458							
0+00 TO 43+50	4350	17400	1753		1149	98	99	312	
43+50 TO 323+00	27950	111800	5200	27300					
MALTA RD							52		
SUB TOTAL		130658	6953	27300	1149	98	151	312	
TOTAL			137611	27300	1149	98	151	312	

* TEMPORARY PAINT SHOULD BE APPLIED TO THE MILLED SURFACE AND ALSO AFTER THE LEVEL BINDER

SHORT-TERM PAVEMENT MARKING SCHEDULE			
LOCATION		SHORT-TERM PAVEMENT MARKING	WORK ZONE PVMT MARKING REMOVAL
		FOOT	SO FT
2079+00 TO 2082+64.50	364.5	109	36
0+00 TO 43+50	4350	1305	435
43+50 TO 323+00	27950	8385	2795
TOTAL		9799	3266

STATION EQUATION

STA 2082+64.5 BK = 0+00 AH

FILE NAME :	USER NAME = carpenter.dj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwid\carpenter\d0366282	D0366036-shr-schedule.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	17	(124) & RS-3	DEKALB	26 10
	PLOT SCALE = 1/80,000 / in.	CHECKED -	REVISED -										
	PLOT DATE = 12-6-2013	DATE -	REVISED -										
											CONTRACT NO. 66036		
											ILLINOIS FED. AID PROJECT		

Key

SEEDING SCHEDULE									
SIDEROAD OR DESCRIPTION	STATION	SIDE	SEEDING	TEMPORARY	FURN	MULCH	NIT	PHOS	POT
			CL 2	EROS CONT	EXC	METHOD	FERT	FERT	FERT
			ACRE	SEEDING	CU YD	2	NUT	NUT	NUT
				LB		ACRE	LB	LB	LB
FIRST CURVE	2+00 TO 20+00	LT	0.39	39	1.2	0.39	35.1	35.1	35.1
SECOND CURVE	18+00 TO 43+00	RT	0.57	57	3.4	0.57	51.3	51.3	51.3
	43+00 TO 97+20	LT & RT	1.00	99.54		1.00	89.6	89.6	89.6
GUTTER SECTION	97+20 TO 101+09	LT	0.04	3.57		0.04	3.2	3.2	3.2
	101+09 TO 122+51	LT & RT	0.39	39.34		0.39	35.4	35.4	35.4
GUTTER SECTION	122+51 TO 125+00	RT	0.02	2.29		0.02	2.1	2.1	2.1
	125+00 TO 258+27	LT & RT	2.45	244.76		2.45	220.3	220.3	220.3
SN 019-0040 OMISSION	258+27 TO 258+95								
	258+95 TO 323+00	LT & RT	1.18	117.63		1.18	105.9	105.9	105.9
TOTAL			6.03	603.13	4.6	6.03	542.9	542.9	542.9

GUARDRAIL		
LOCATION	GUARDRAIL MARKERS	TERMINAL MARKERS DIRECT APPLIED
	EACH	EACH
62+52 LT	3	
80+97 RT	2	
149+77 RT & LT	8	
159+77 RT & LT	8	
223+77 RT & LT	8	
229+77 RT	4	
240+27 RT	3	1
258+64 RT & LT	8	3
305+77 RT & LT	8	
TOTALS	56	4

SIDEROAD AND ENTRANCE SCHEDULE										
STA	SIDE	SIDEROAD OR DESCRIPTION	EXIST MAT	WIDTH AT FRONT	WIDTH AT BACK	DIST FROM EOS	AREA	HMA SURF REM 2 1/4"	INC HMA SURF	BIT MAT'L (PR CT)
				FOOT	FOOT	FOOT	SQ YD	SQ YD	TON	LB
N ESMOND RD	LT	INCLUDED WITH RESURFACING SCHEDULE								
20+56	LT	PE	HMA	36	12	12	43	27	5.4	290
24+48	RT	PE	HMA	42	12	15	52	29	10.4	351
S ESMOND RD	RT	INCLUDED WITH RESURFACING SCHEDULE								
TOTAL								56	15.8	641

NO PROPOSED WORK AT SIDEROADS AND ENTRANCES FROM STA 46+50 TO 323+00

CENTERLINE RUMBLE STRIP	
APPROXIMATE LOCATIONS	LENGTH
2079+64.5 TO 2082+64.5 BK	300
0+00 AH TO 45+35.94	4536
TOTAL	4836

NOTE: LENGTHS ARE APPROXIMATE. CENTERLINE RUMBLE STRIPS SHALL EXTEND 300 FEET BEYOND THE P.C. AND P.T. OF EACH CURVE.

SHOULDER RUMBLE STRIPS				
LOCATIONS	LENGTH	16"	8"	
		FOOT	FOOT	
2079+00 TO 2082+64.50	400	800		
2082+64.50 = 0+00				
0+00 TO 9+71.50	971.5	1943		
9+71.50 TO 17+42.60	771.1	771		
17+42.60 TO 20+55.15	312.55	625		
20+55.15 TO 22+96.25	241.1	482		
22+96.25 TO 30+59.70	763.45	763		
30+59.70 TO 43+50	1290.3	2581		
43+50 TO 97+20	5370		10740	
97+20 TO 101+09	389		389	
101+09 TO 122+51	2142		4284	
122+51 TO 125+00	249		249	
125+00 TO 156+16.80	3116.8		6234	
156+16.80 TO 164+92	875.2		1750	
164+92 TO 258+27	9335		18670	
258+27 TO 258+95				
258+95 TO 323+00	6405		12810	
TOTAL		7965	55126	

DELINEATORS		
APPROXIMATE LOCATIONS	LENGTH	DELINATORS
	700	6
2081+30.09 TO 2082+64.52	134.43	2
STA EQUATION		
0+00 TO 42+35.94	4235.94	68
	700	6
TOTAL	5770	82

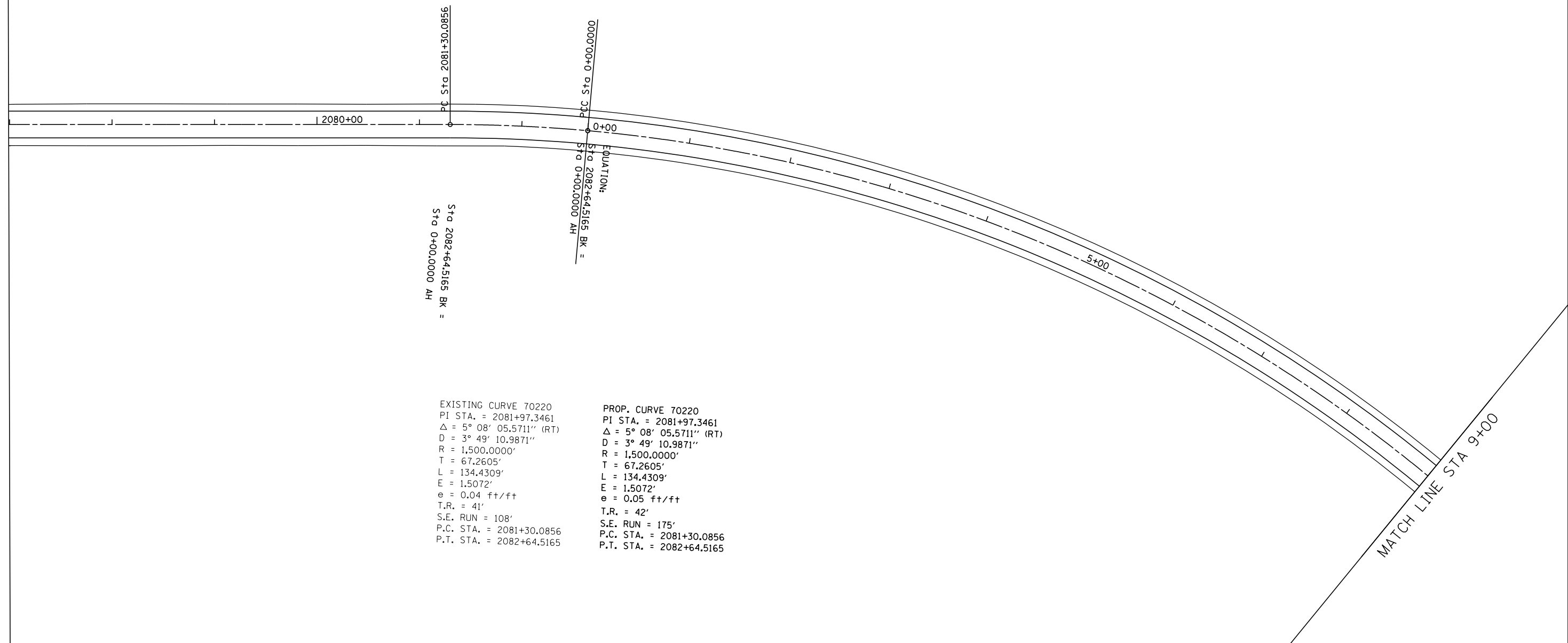
NOTE: FOR USE IN THE CURVES FOLLOWING STANDARD 635001

STATION EQUATION
STA 2082+64.5 BK = 0+00 AH

RESURFACING SCHEDULE

LOCATION		LENGTH	PVMT AREA	TURN LANE	EXISTING SHOULDER AREA	HMA SURF REM 2 1/4"	HMA SURF REM VAR DEPTH	HMA SURF CSE	LEVEL BINDER (MM)	HMA SURF REM BUTT JT	TEMP RAMP	HMA SHLD	BIT MAT (PR CT)	MIX FOR CRACKS, JOINTS & FLGWYS	LEVEL BINDER (HM)	STRIP REFLECTIVE CRACK CONT TREAT	EXCAVATING & GRADING SHOULDERS	
STA TO STA		FOOT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	SQ YD	SQ YD	TON	LB	TON	TON	FT	UNIT	
2079+00 TO 2079+96	BUTT JOINT	96	277.3		149.3			23.3	23.3	173	14.4	18.8	288	0.08	0.14			
2079+96 TO 2082+64.50 BK		268.5	775.7		417.7			363.5	65.2	52.9		72.4	806	0.23	0.39			
0+00 AH TO 9+71.50		971.5	2806.6		1511.2			2024	235.8	191.5		261.9	2915	0.84	1.40			
9+71.50 TO 17+42.60	N ESMOND RD	771.1	2970.6	539.6	957.2			1606.5	328.5	204.7	267	22.2	154.4	3015	1.05	1.76		
17+42.60 TO 20+55.15		312.55	902.9		486.2			651.1	75.8	61.6			84.3	938	0.27	0.45		
20+55.15 TO 22+96.25		241.1	696.5		375.0			502.3	58.5	47.5			65.0	723	0.21	0.35		
22+96.25 TO 30+59.70	S ESMOND RD	763.45	2931.9	539.6	946.3			1590.5	324.4	202.1	260	21.7	152.6	2982	1.04	1.74		
30+59.70 TO 43+50		1290.3	3727.5		2007.1			2552.7	313.1	254.4			347.9	3871	1.12	1.86		
43+50 TO 44+46	MILLING TRANSITION	96	277.3						28.7	14.3			20.6	230	0.08	0.14	192	
44+46 TO 97+20		5274	15236.0			15236.0		1575.2	787.6				1132.2		4.57	7.62	10548	
97+20 TO 101+09	GUTTER SECTION	389	1123.8			1123.8		105.3	52.6				41.8	846	0.34	0.56	389	
101+09 TO 122+51		2142	6188.0			6188.0		639.7	319.9				459.8	5141	1.86	3.09	4284	
122+51 TO 125+00	GUTTER SECTION	249	719.3			719.3		67.4	33.7				26.7	542	0.22	0.36	249	
125+00 TO 156+16.80		3116.8	9004.1			9004.1		930.9	465.4				669.1	7480	2.70	4.50	6234	
156+16.80 TO 164+92	2.5' SHLDRS	875.2	2528.4		486.2	3014.6		253.2	126.6				2035		0.76	1.26	1750	
164+92 TO 258+27		9335	26967.8			26967.8		2788.1	1394.0		14.4	2003.9	22404		8.09	13.48	18670	
258+27 TO 258+95	SN 019-0040 OMISSION																	
258+95 TO 323+00		6405	18503.3			18503.3		1913.0	956.5		28.8	1374.9	15372		5.55	9.25	12810	
TOTAL						80756.9		9567.9	9726.1	5188.6	700	101.5	6886.3	69588	29.01	48.35	55126	533.7

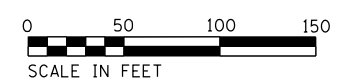
STATION EQUATION
STA 2082+64.5 BK = 0+00 AH



Sta 2082+64.5165 BK =
Sta 0+00.0000 AH

EQUATION:
Sta 2082+64.5165 BK =
Sta 0+00.0000 AH

EXISTING CURVE 70220	PROP. CURVE 70220
PI STA. = 2081+97.3461	PI STA. = 2081+97.3461
$\Delta = 5^\circ 08' 05.5711''$ (RT)	$\Delta = 5^\circ 08' 05.5711''$ (RT)
D = 3° 49' 10.9871"	D = 3° 49' 10.9871"
R = 1,500.0000'	R = 1,500.0000'
T = 67.2605'	T = 67.2605'
L = 134.4309'	L = 134.4309'
E = 1.5072'	E = 1.5072'
e = 0.04 ft/ft	e = 0.05 ft/ft
T.R. = 41'	T.R. = 42'
S.E. RUN = 108'	S.E. RUN = 175'
P.C. STA. = 2081+30.0856	P.C. STA. = 2081+30.0856
P.T. STA. = 2082+64.5165	P.T. STA. = 2082+64.5165

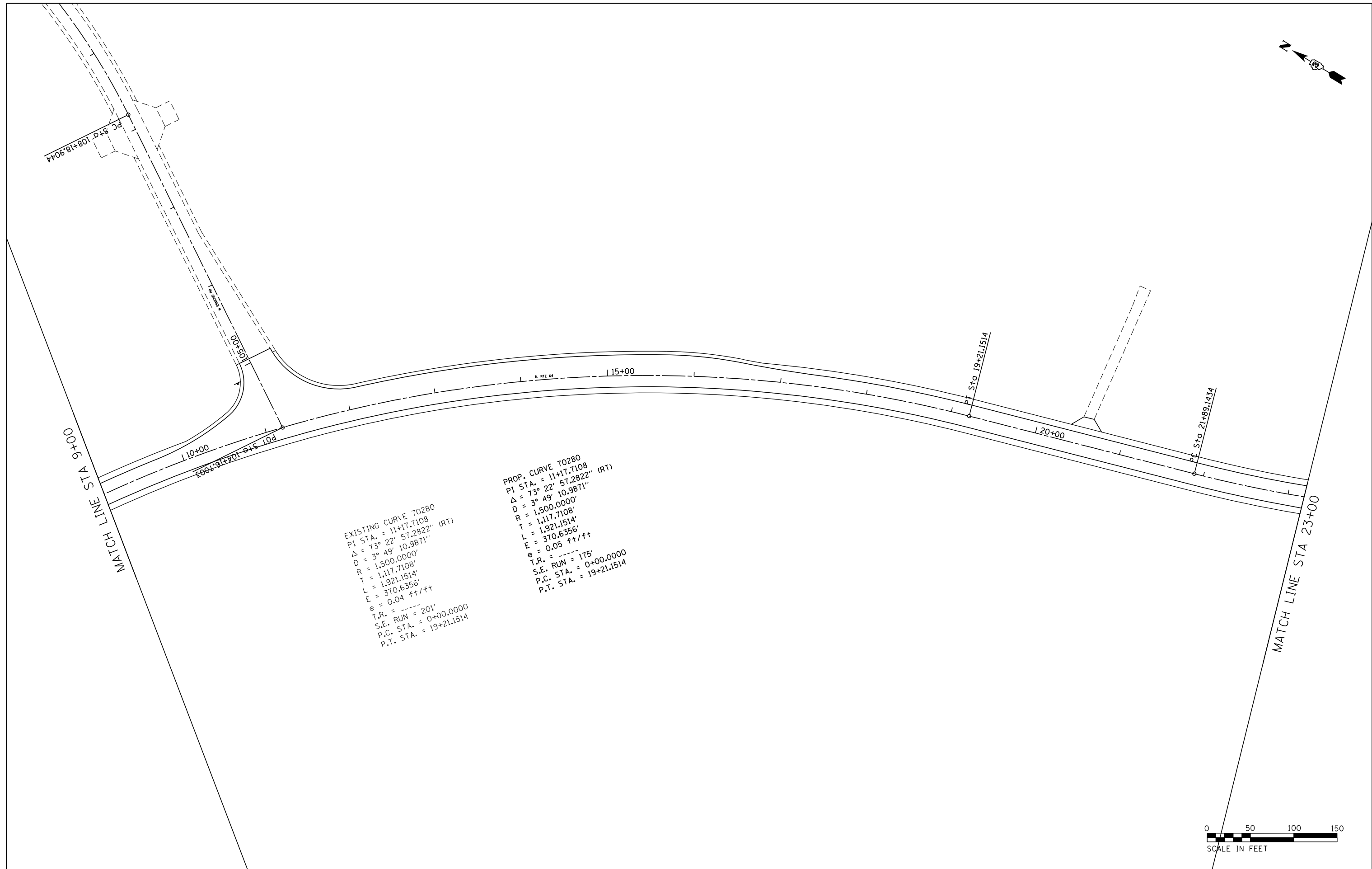
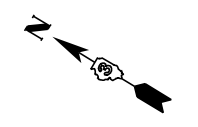


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

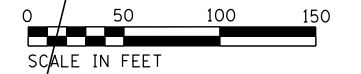
CURVE DATA			
SCALE:	SHEET NO.	OF SHEETS	STA. 2077+00 TO STA. 9+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(124)I & RS-3	DEKALB	26	14
CONTRACT NO. 66D36				
ILLINOIS FED. AID PROJECT				



EXISTING CURVE T0280
 PI STA. = 11+17.7108
 $\Delta = 73^\circ 22' 57.2822''$ (RT)
 D = 3° 49' 10.9871"
 R = 1,500.0000'
 T = 1,117.7108'
 L = 1,921.1514'
 E = 370.6356'
 e = 0.04 ft/ft
 T.R. = -----
 S.E. RUN = 201'
 P.C. STA. = 0+00.0000
 P.T. STA. = 19+21.1514

PROP. CURVE T0280
 PI STA. = 11+17.7108
 $\Delta = 73^\circ 22' 57.2822''$ (RT)
 D = 3° 49' 10.9871"
 R = 1,500.0000'
 T = 1,117.7108'
 L = 1,921.1514'
 E = 370.6356'
 e = 0.05 ft/ft
 T.R. = -----
 S.E. RUN = 175'
 P.C. STA. = 0+00.0000
 P.T. STA. = 19+21.1514

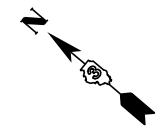


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURVE DATA			
SCALE:	SHEET	OF	SHEETS
	9+00		23+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(124)I & RS-3	DEKALB	26	15
CONTRACT NO. 66D36				
ILLINOIS FED. AID PROJECT				

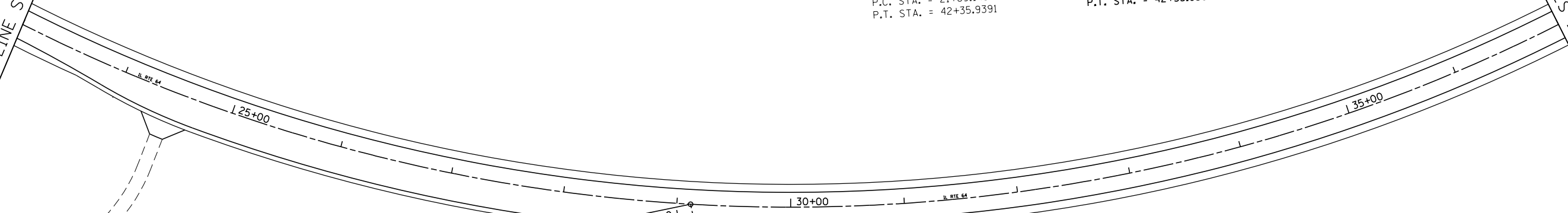


EXISTING CURVE 70270
 PI STA. = 34+07.7656
 $\Delta = 78^\circ 10' 54.6157''$ (LT)
 $D = 3^\circ 49' 10.9871''$
 $R = 1,500.0000'$
 $T = 1,218.6222'$
 $L = 2,046.7957'$
 $E = 432.6252'$
 $e = 0.04$ ft/ft
 $T.R. = 41'$
 $S.E. RUN = 201'$
 $P.C. STA. = 21+89.1434$
 $P.T. STA. = 42+35.9391$

PROP. CURVE 70270
 PI STA. = 34+07.7656
 $\Delta = 78^\circ 10' 54.6157''$ (LT)
 $D = 3^\circ 49' 10.9871''$
 $R = 1,500.0000'$
 $T = 1,218.6222'$
 $L = 2,046.7957'$
 $E = 432.6252'$
 $e = 0.05$ ft/ft
 $T.R. = 42'$
 $S.E. RUN = 175'$
 $P.C. STA. = 21+89.1434$
 $P.T. STA. = 42+35.9391$

MATCH LINE STA 23+00

MATCH LINE STA 37+00



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	PLOT DATE = 12/6/2013	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CURVE DATA

SCALE: SHEET OF SHEETS STA. 23+00 TO STA. 37+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(124)I & RS-3	DEKALB	26	16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66D36	



MATCH LINE STA 37+00

140+00

PT Sta 42+35.9391

145+00

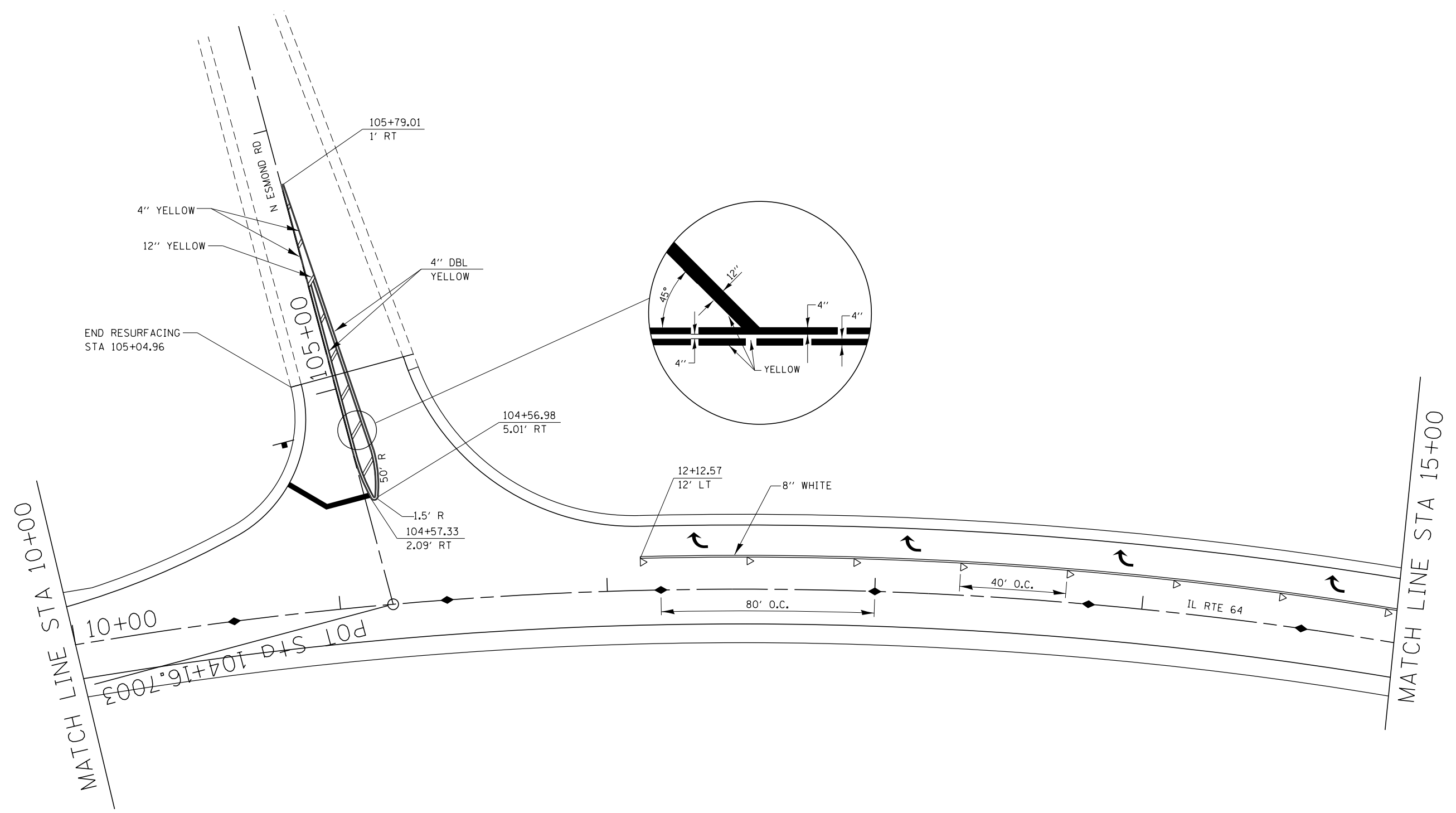
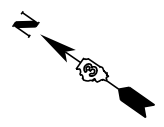


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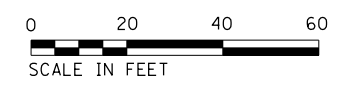
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURVE DATA			
SCALE:	SHEET	OF	SHEETS
		STA. 37+00	TO STA. 50+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(124)I & RS-3	DEKALB	26	17
			CONTRACT NO. 66D36	
ILLINOIS FED. AID PROJECT				



NOTE:
CENTERLINE SHALL BE
4" DOUBLE YELLOW PAINT



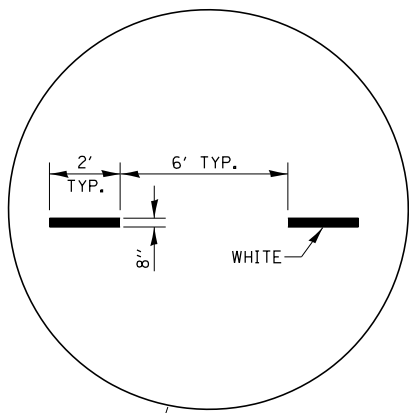
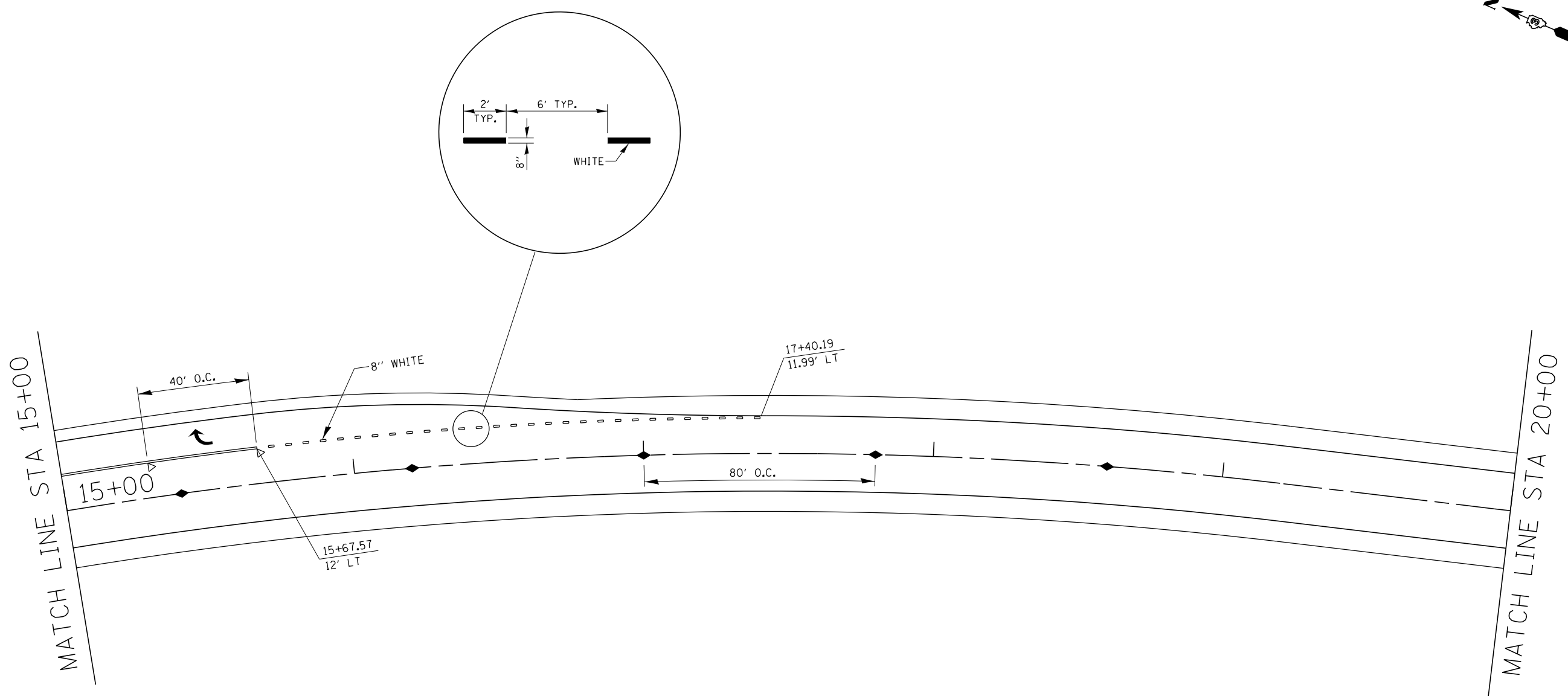
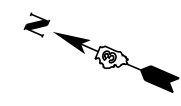
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**THERMOPLASTIC PAVEMENT
MARKING DETAILS**

SCALE: SHEET OF SHEETS STA. 10+00 TO STA. 15+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(124)I &RS-3	DEKALB	26	18
CONTRACT NO. 66D36				
ILLINOIS FED. AID PROJECT				



NOTE:
CENTERLINE SHALL BE
4" DOUBLE YELLOW PAINT



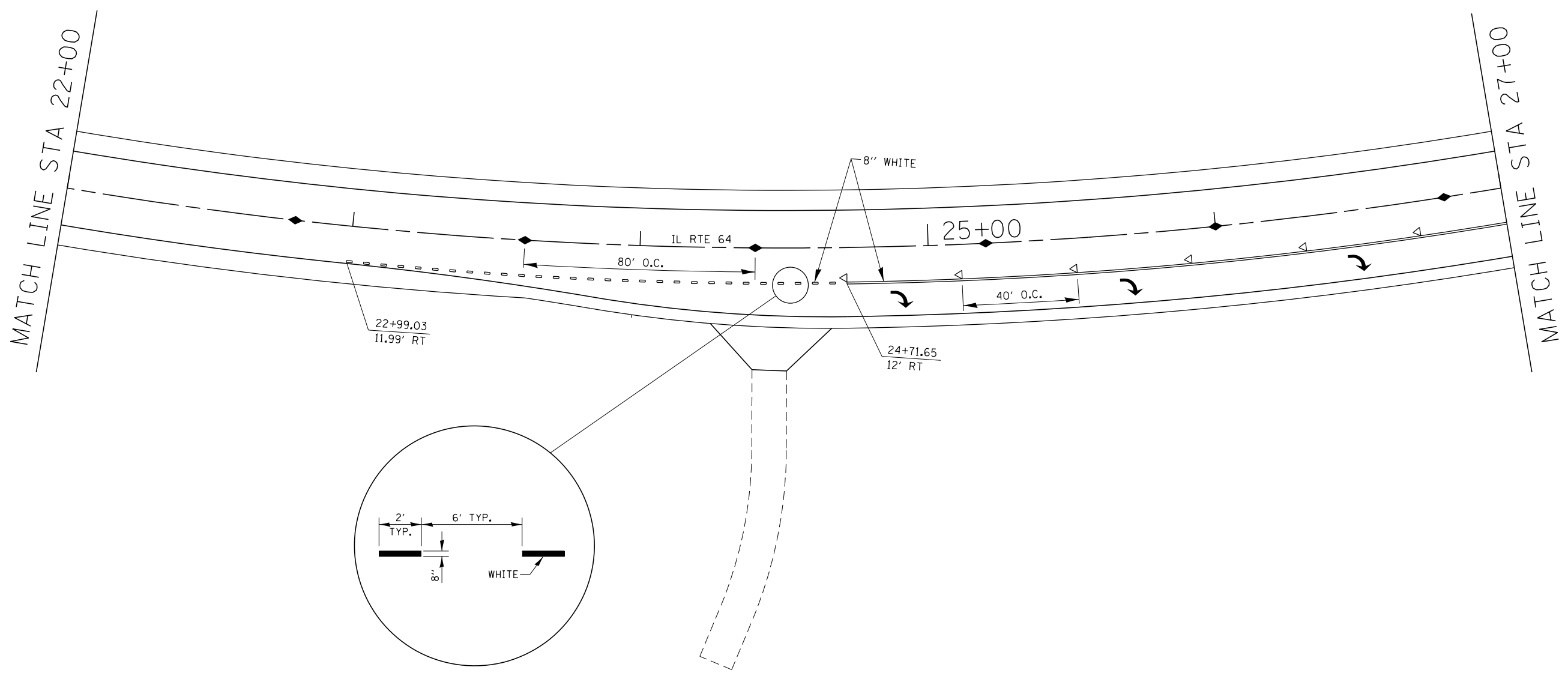
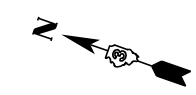
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

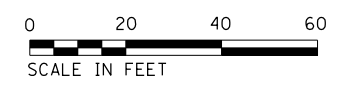
**THERMOPLASTIC PAVMENT
MARKING DETAILS**

SCALE: SHEET OF SHEETS STA. 15+00 TO STA. 20+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(124)I & RS-3	DEKALB	26	19
CONTRACT NO. 66D36				
ILLINOIS FED. AID PROJECT				



NOTE:
CENTERLINE SHALL BE
4" DOUBLE YELLOW PAINT



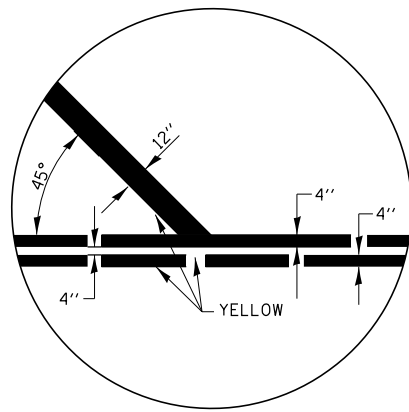
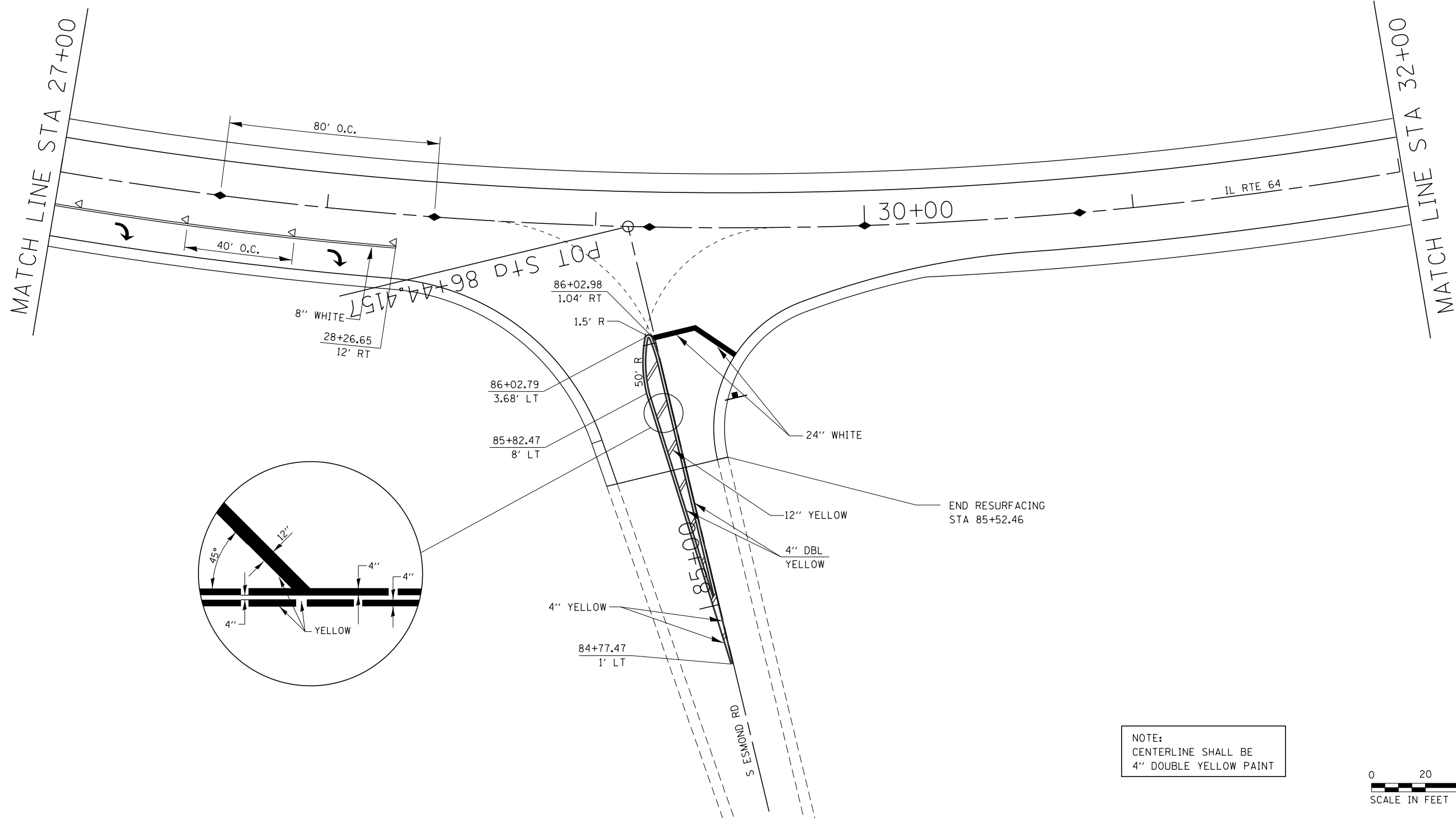
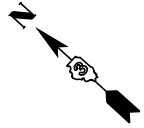
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MODELNAME	PLOT DATE = 12/6/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**THERMOPLASTIC PAVEMENT
MARKING DETAILS**

SCALE: SHEET OF SHEETS STA. 22+00 TO STA. 27+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(124)I & RS-3	DEKALB	26	20
CONTRACT NO. 66D36				
ILLINOIS FED. AID PROJECT				



NOTE:
CENTERLINE SHALL BE
4" DOUBLE YELLOW PAINT



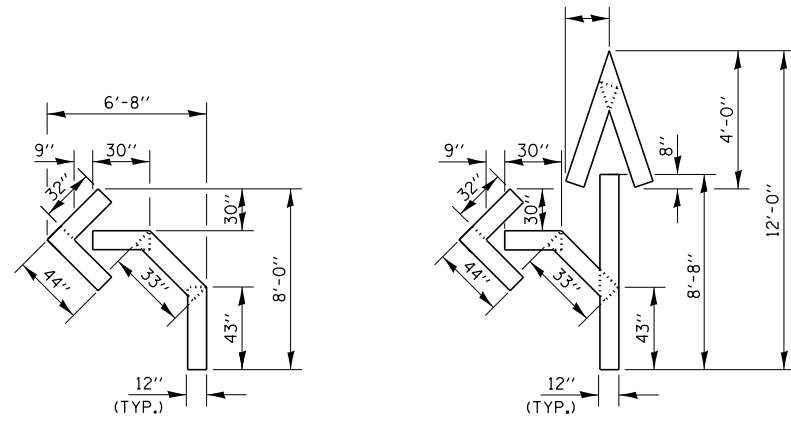
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MODELNAME	PLOT DATE = 12/6/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**THERMOPLASTIC PAVEMENT
MARKING DETAILS**

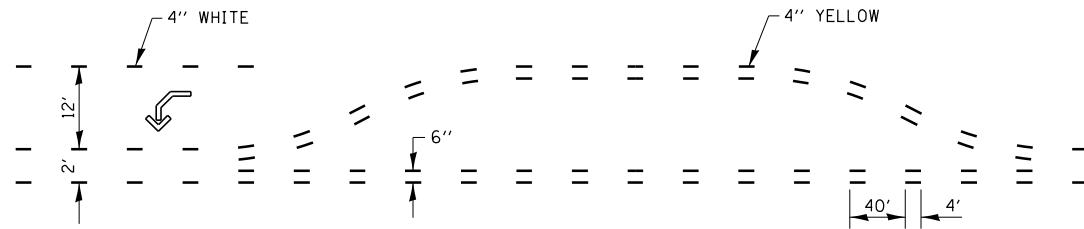
SCALE: SHEET OF SHEETS STA. 27+00 TO STA. 32+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(124)I & RS-3	DEKALB	26	21
CONTRACT NO. 66D36				
ILLINOIS FED. AID PROJECT				

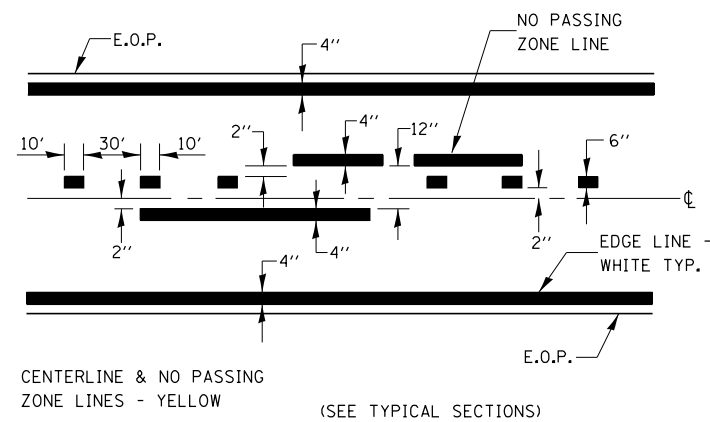


QUANTITY
12" LINE = 16 LIN. FT.
OR 4" LINE = 48 LIN. FT.

QUANTITY
12" LINE = 29 LIN. FT.
OR 4" LINE = 87 LIN. FT.

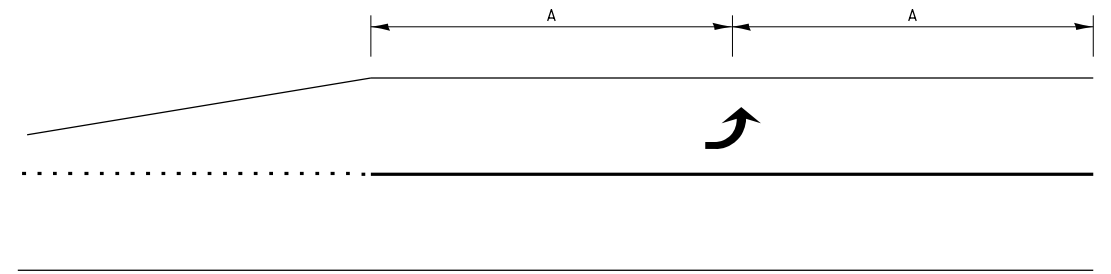


**SHORT-TERM PAVEMENT MARKING
FOR MEDIANS AND ARROWS**

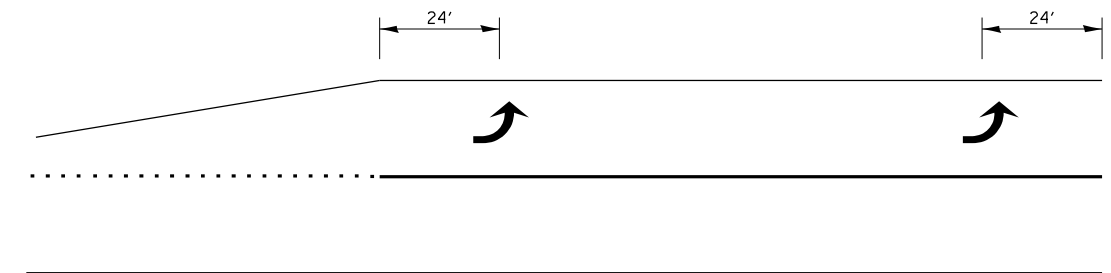


CENTERLINE & NO PASSING
ZONE LINES - YELLOW
(SEE TYPICAL SECTIONS)

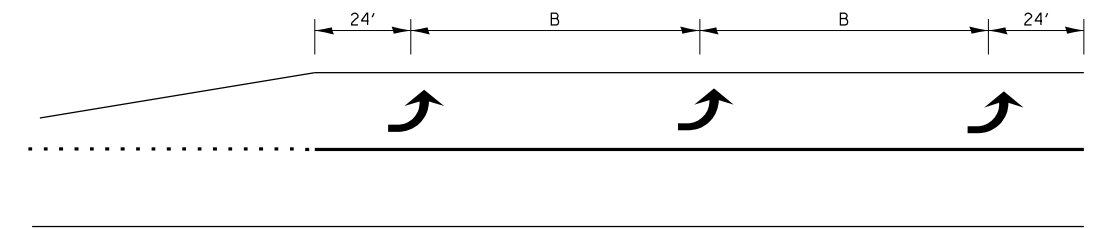
PAVEMENT MARKING



99' AND UNDER



100' TO 149'



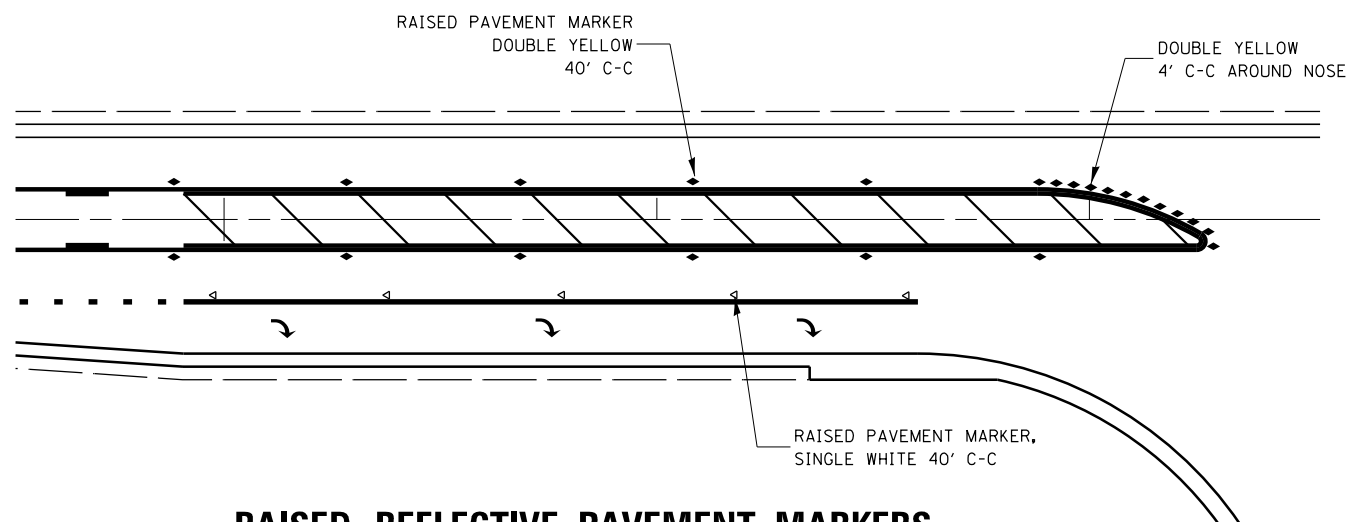
150' AND LONGER

**TYPICAL PLACEMENT OF ARROWS
IN TURN LANES**

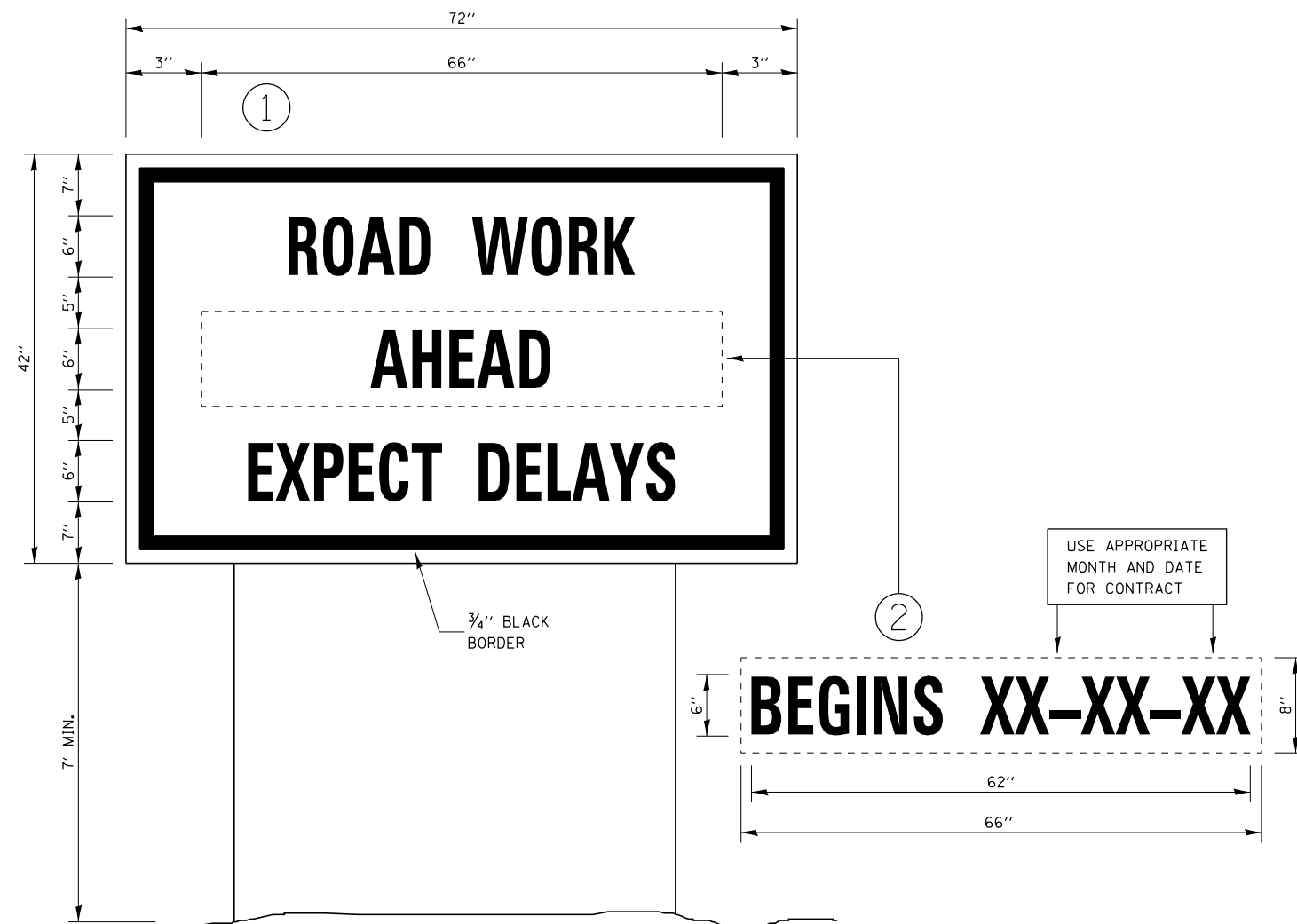
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET OF SHEETS		STA. TO STA.		DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								17	(124)I & RS-3	DEKALB	26	22
											CONTRACT NO. 66D36	
ILLINOIS FED. AID PROJECT												



**RAISED REFLECTIVE PAVEMENT MARKERS
RIGHT TURN LANE**

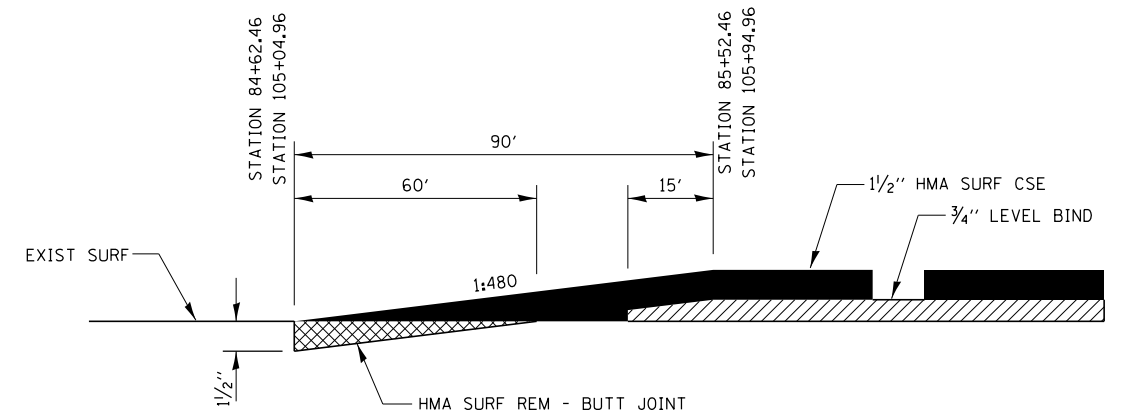


TEMPORARY INFORMATION SIGNING

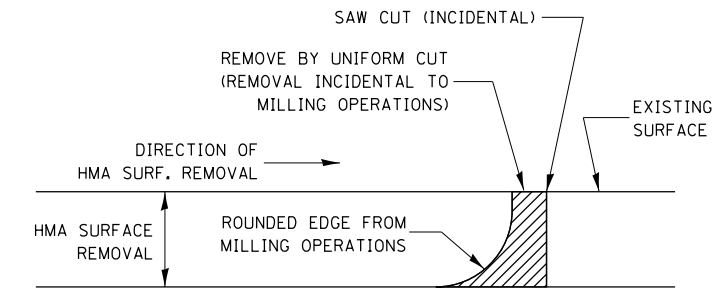
NOTES:

1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

FILE NAME =	USER NAME = carpenterdj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\p1dot\carpenterdj\d0366282\0366036-sh1-details.dgn		DRAWN -	REVISED -		17	(124)I & RS-3	DEKALB	26	23				
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 66D36								
PLOT DATE = 12/6/2013		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

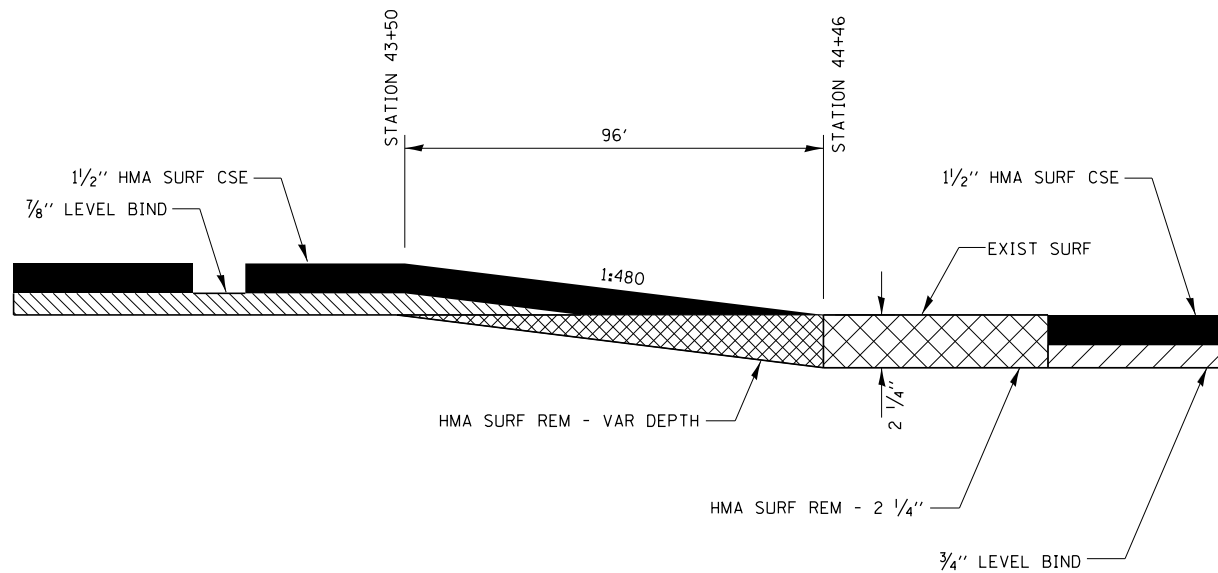


NORTH ESMOND ROAD STATION 105+04.96 TO STATION 105+94.96
 SOUTH ESMOND ROAD STATION 84+62.46 TO STATION 85+52.46

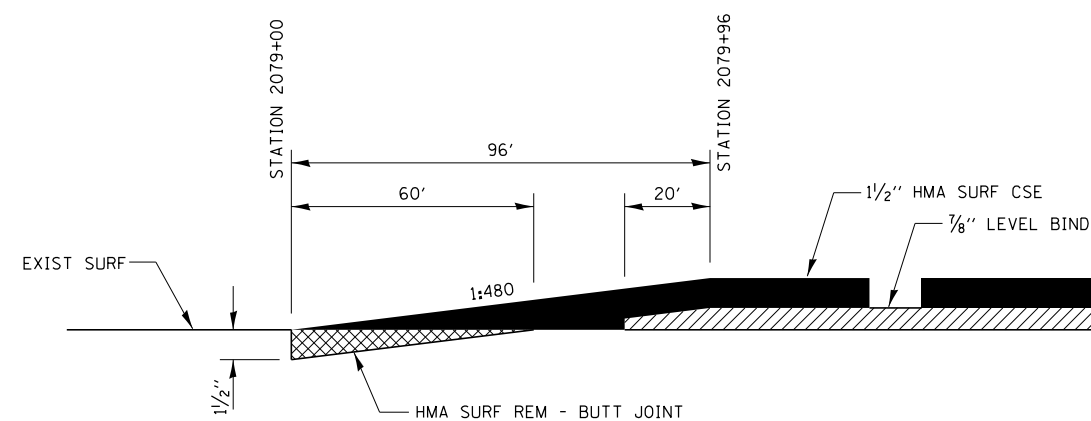


NOTE:
 WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE,
 THEN A SAW CUT SHALL BE USED TO MANUFACTURE
 A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL.
 THE ENGINEER SHALL BE THE SOLE JUDGE
 CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS



**MILLING TRANSITION DETAIL
 END OF CURVES**



**BUTT JOINT DETAIL
 BEGINNING OF PROJECT**

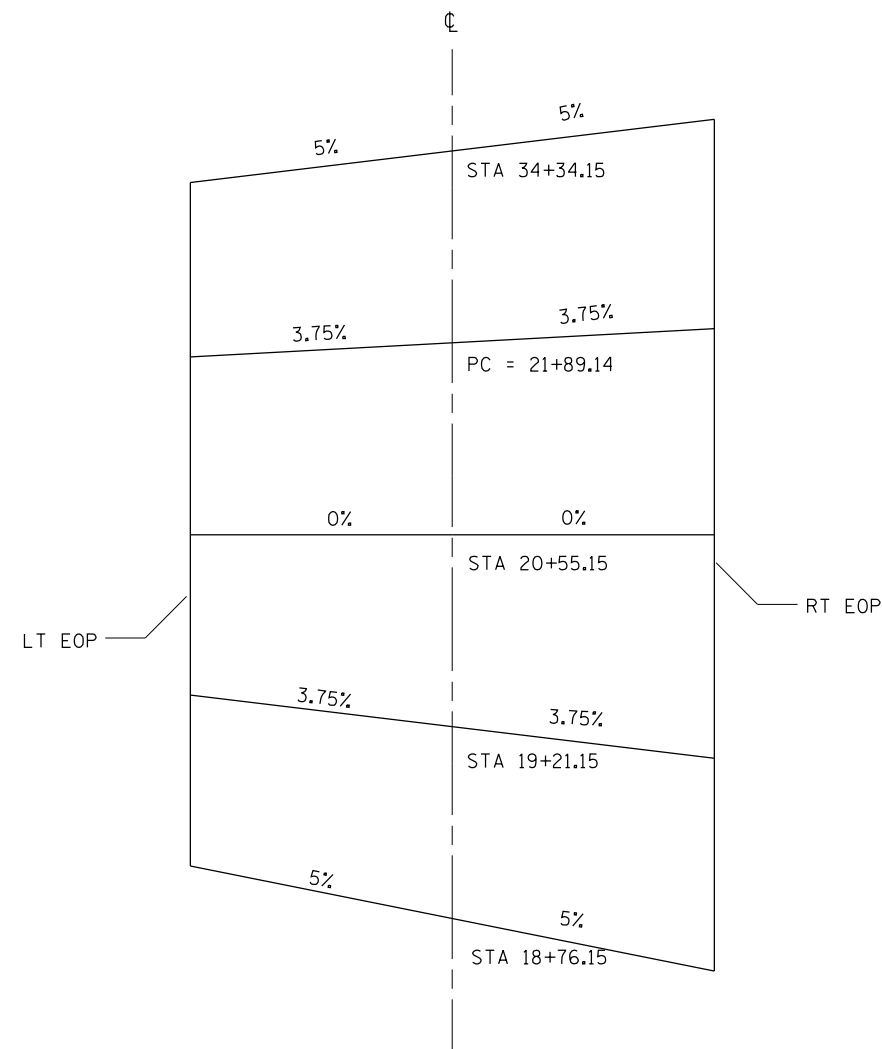
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	PLOT DATE = 12/6/2013	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

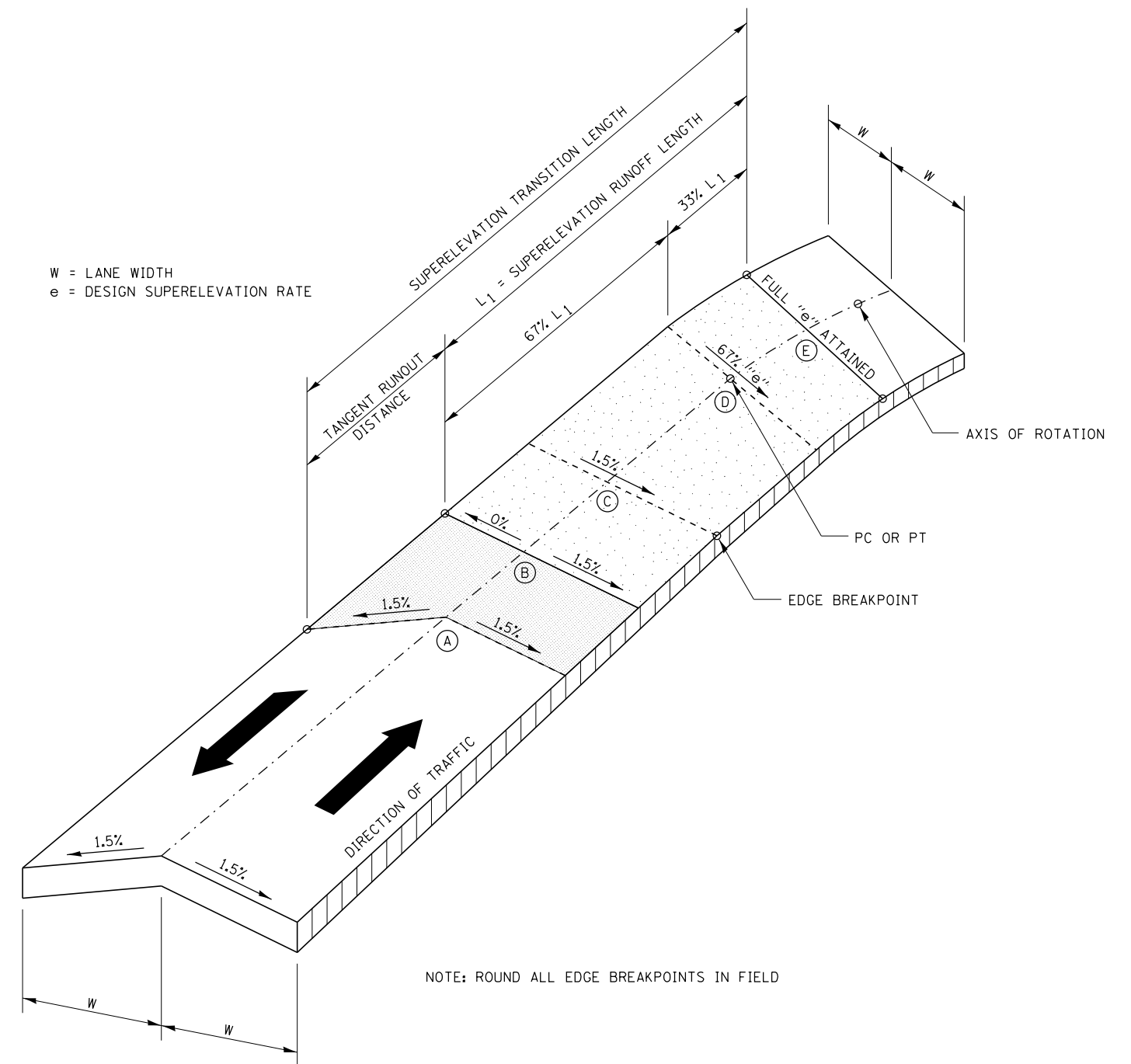
DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(124) & RS-3	DEKALB	26	24
CONTRACT NO. 66D36				
ILLINOIS FED. AID PROJECT				



CROSS SECTIONS
SUPERELEVATION DEVELOPMENT FOR REVERSE CURVES



TRANSITION CURVE TABLE					
CURVE PI STA	SUPERELEVATION "e"	W	SUPERELEVATION RUNOFF LENGTH	TANGENT RUNOUT DISTANCE	SUPERELEVATION TRANSITION LENGTH
2081+97.3461	5%	13 FT	133 FT	42 FT	175 FT
11+17.7108	5%	13 FT	179 FT	-	179 FT
34+07.7656 (PC)	5%	13 FT	179 FT	-	179 FT
34+07.7656 (PT)	5%	13 FT	133 FT	42 FT	175 FT

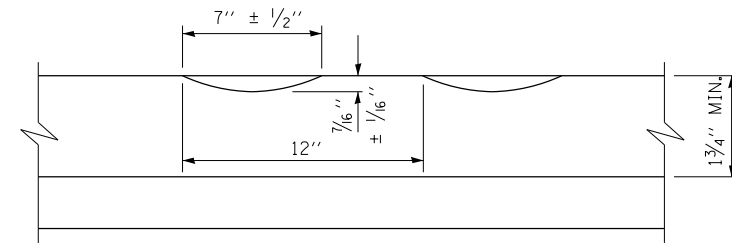
SUPERELEVATION TRANSITION ON TWO-LANE HIGHWAY

FILE NAME =	USER NAME = carpenterdj	DESIGNED -	REVISED -
ei:\pwork\pwork\pwork\carpenterdj\d0366282\0366036-shd-details.dgn		DRAWN -	REVISED -
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	PLOT DATE = 12/6/2013	DATE -	REVISED -

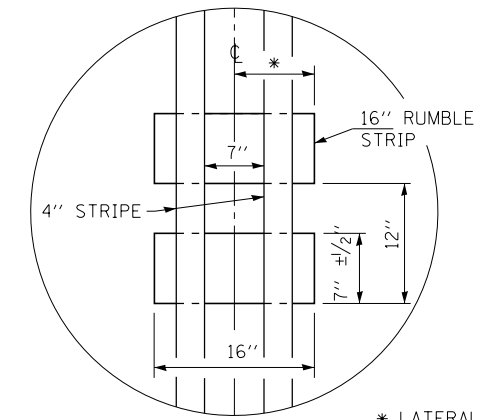
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(124)I & RS-3	DEKALB	26	25
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66D36	

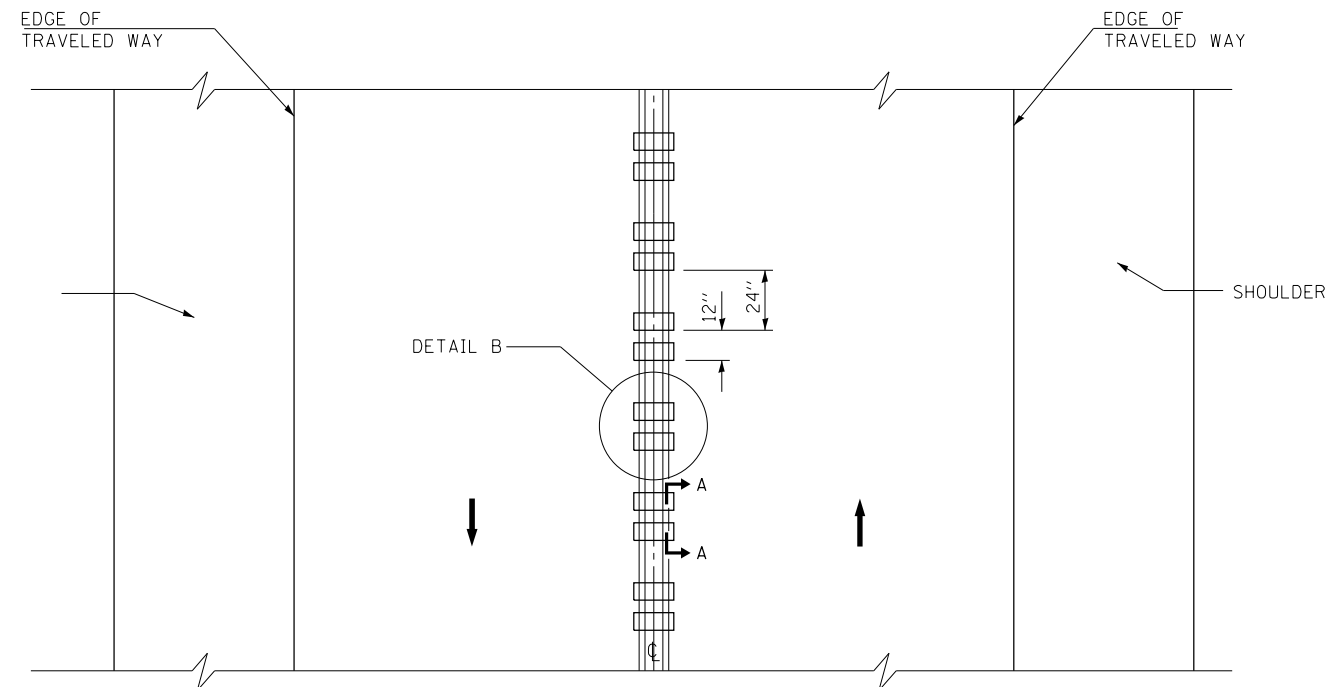


SECTION A-A



DETAIL B

* LATERAL DEVIATION SHALL NOT EXCEED ONE INCH IN 100 FEET.



TWO-WAY ROAD

CENTERLINE RUMBLE STRIPS

GENERAL NOTES

SEE DETAILS FOR STRIPING.

RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES.

ALL RUMBLE STRIPS SHALL BE MILLED.

CENTERLINE RUMBLE STRIPS SHALL 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.

WHERE USED, ADJUST SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS TO FALL IN WIDER GAP BETWEEN RUMBLE STRIPS.

CENTERLINE RUMBLE STRIPS SHALL BE PLACED AT LOCATIONS SHOWN ON THE PLANS.

FILE NAME =	USER NAME = carpenterdj	DESIGNED -	REVISED -
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	PLOT DATE = 12/6/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(124)I & RS-3	DEKALB	26	26
CONTRACT NO. 66D36			ILLINOIS FED. AID PROJECT	