

**PROPOSED
HIGHWAY PLANS**

FAP 41 (IL 17)
SECTION 11RS-4 & 12RS-5

3P MILLING & RESURFACING
KANKAKEE COUNTY

C-93-065-09

3P MILLING AND RESURFACING ON IL 17 FROM JUST WEST
OF S 12000W RD (HERSCHER RD) TO WEST OF THE NORFOLK SOUTHERN RR

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	11RS-4 & 12RS-5	KANKAKEE	14	1
ILLINOIS		CONTRACT NO. 66930		

INDEX OF SHEETS

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2	GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6-7	TYPICAL SECTIONS
8-9	SCHEDULES
10	PROJECT LAYOUT
11-14	DETAILS

STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
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
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-03	TRAFFIC CONTROL DEVICES
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001	PRISMATIC CURB REFLECTORS



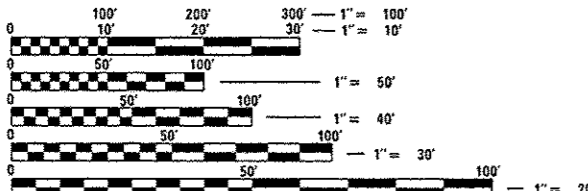
RURAL MINOR ARTERIAL
2013 ADT = 5,150
P.V. = 78.6%
S.U. = 13.6%
M.U. = 7.8%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *June 6 20 14*
Paul Coetzee
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 27 20 14
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

June 27 20 14
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

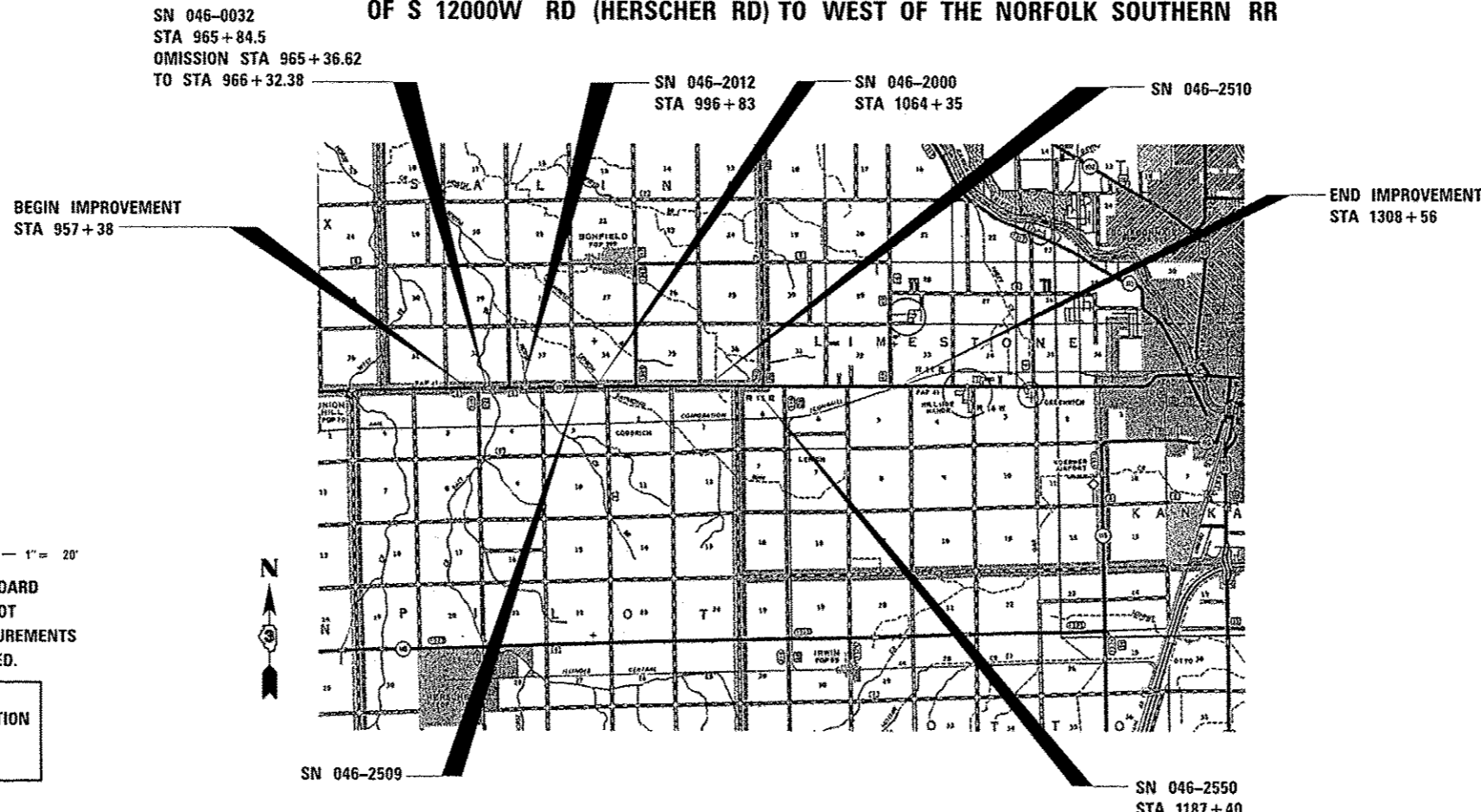


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTRACT NO. 66930



LOCATION MAP

GROSS LENGTH = 35,118 FT = 6.651 MILE
NET LENGTH = 35,022.24 FT = 6.633 MILE

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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.

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.

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

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.

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

GRANULAR MATERIALS	2.05	TONS / CU YD
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
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE	2	LB / SQ YD / APPLICATION
AGGREGATE DITCH CHECKS	5	TONS AGGREGATE

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

COMMITMENTS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

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

DATE: 6-6-14

EXAMINED BY: *Debbie*
DISTRICT CONSTRUCTION ENGINEER

Wayne L. Phillips
DISTRICT MATERIALS ENGINEER

Bruce A. Buckner
DISTRICT OPERATIONS ENGINEER

FILE NAME *	USER NAME *	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci:\pw_mark\pwwid\carcoran\m\0122637\d	66930-sh1-cover.dgn	DRAWN -	REVISED -			41	11RS-4 & 12RS-5	KANKAKEE	14	2	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 66930					
	PLOT DATE = 6/5/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

CONSTR. CODE
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0005
20400800	FURNISHED EXCAVATION	CU YD	41	41
25000200	SEEDING, CLASS 2	ACRE	0.14	0.14
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	13	13
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	13	13
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	13	13
25100630	EROSION CONTROL BLANKET	SQ YD	728	728
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	121	121
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	39	39
40600527	LEVELING BINDER (HAND METHOD), IL-9.5FG, N50	TON	66	66
40600627	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50	TON	5508	5508
40600990	TEMPORARY RAMP	SQ YD	534	534
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	11016	11016
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	1503	1503
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	143074	143074

• SPECIALTY ITEMS

FILE NAME #	USER NAME # oarpanterd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pvidot\carpanterd\08122637	366930-sht-a00.DGN	DRAWN -	REVISED -						41	IRS-4 & J2RS-5	KANKAKEE	14	3
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 66930				
PLOT DATE = 6/6/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT								

CONSTR. CODE
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1662	1662
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	5	5
67100100	MOBILIZATION	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	12386	12386
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	124	124
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	147769	147769
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	8138	8138
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	541	541
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	694	694
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	56	56
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1374	1374
78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	124	124
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	147769	147769

14

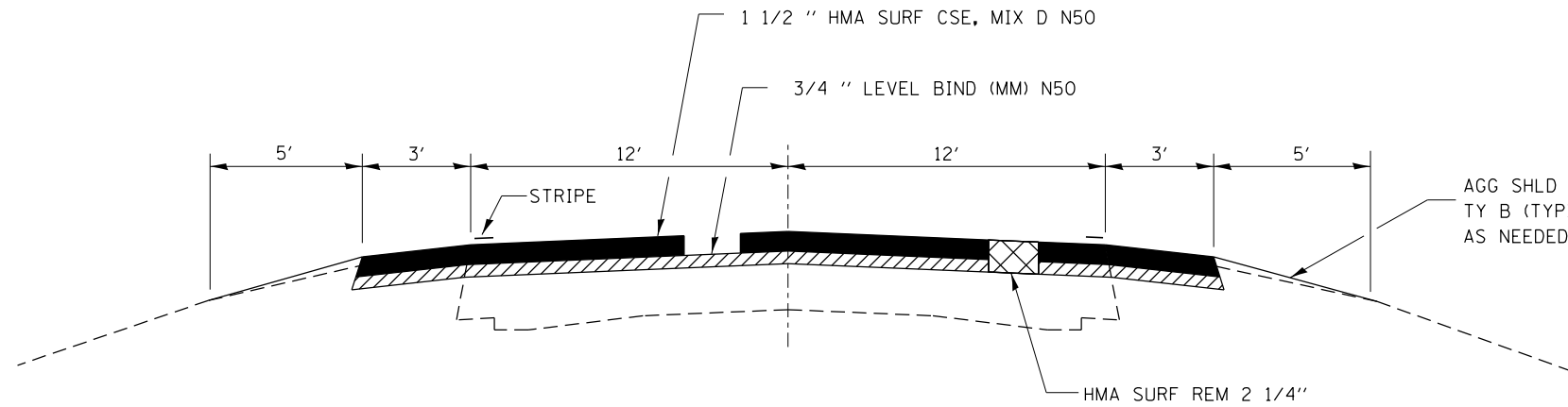
• SPECIALTY ITEMS

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:\pwork\ps\dat\carpentard\ad022637	366938-sht-000.DGN	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	KANKAKEE	14	4
	PLOT SCALE = 1/8" = 1' / in.	CHECKED -	REVISED -										
	PLOT DATE = 6/6/2014	DATE -	REVISED -										
											ILLINOIS FED. AID PROJECT CONTRACT NO. 66930		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				1007, STATE
				ROADWAY
				0005
* 78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	16817	16817
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	694	694
* 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	56	56
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	540	540
78200300	PRISMATIC CURB REFLECTOR	EACH	8	8
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	538	538
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	95740	95740
Z0030850	TEMPORARY INFORMATION SIGNING	50 FT	42	42
Z0034105	MATERIAL TRANSFER DEVICE	TON	16524	16524

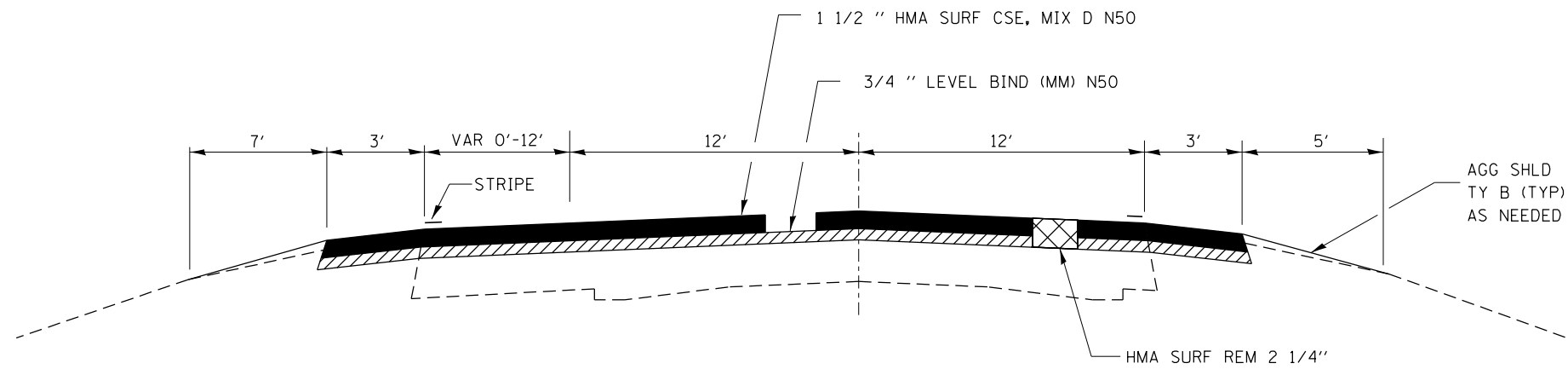
9 • SPECIALTY ITEMS

FILE NAME =	USER NAME = carpentardj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\p\work\p\dot\carpentardj\08122637\	366930\shh\soq.dgn	DRAWN -	REVISED -		41	11RS-4 & 12PS-5	KANKAKEE	14	5				
	PLOT SCALE = 1/8" = 100.0000' / in.	CHECKED -	REVISED -						CONTRACT NO. 66930				
	PLOT DATE = 8/6/2014	DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



TYPICAL SECTION

STA. 957+38 TO STA. 1208+30
 STA. 1221+40 TO STA. 1296+00



TYPICAL SECTION

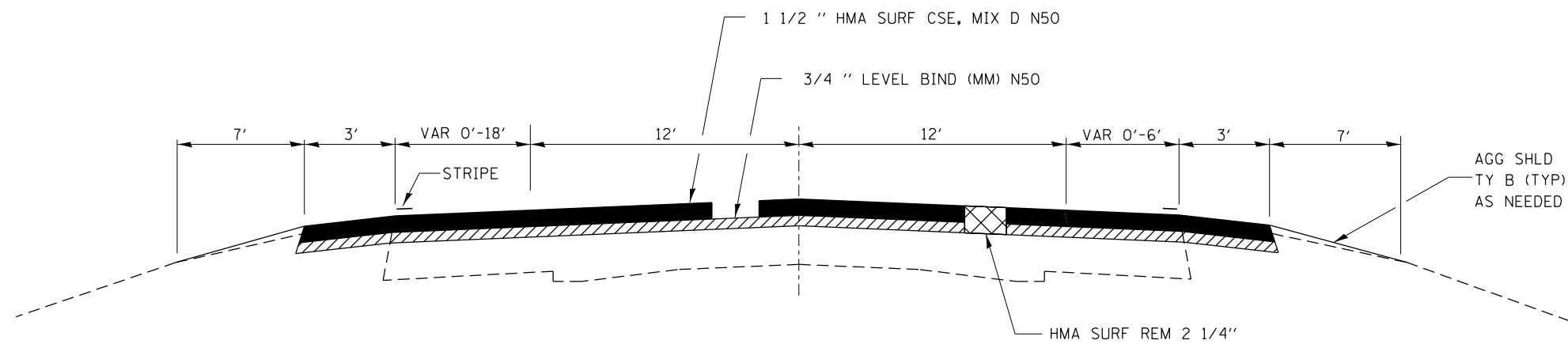
STA. 1208+30 TO STA. 1221+40

FILE NAME =	USER NAME = carpenterdj	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/6/2014	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
SCALE: _____	SHEET NO. ___ OF ___ SHEETS
STA. _____ TO STA. _____	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	11RS-4 & 12RS-5	KANKAKEE	14	6
CONTRACT NO. 66930				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION

STA. 1296+00 TO STA. 1308+56

MIX DESIGN					
MIX	PG GRADE ••	DESIGN AIR VOIDS	MIX COMPOSITION	FRICTION AGG	DENSITY CONTROL
HMA SURFACE	PG 64-22	4.0% @N50	IL 9.5	MIXTURE D	CORRELATION
LEVELING BINDER	PG 64-22	4.0% @N50	IL 9.5 FG		

•• WHEN RAP/RAS ABR EXCEEDS 20%, THE HIGH AND LOW VIRGIN ASPHALT BINDER GRADES SHALL EACH BE REDUCED BY ONE GRADE (EXAMPLE: 25% ABR WOULD REQUIRE A VIRGIN ASPHALT BINDER GRADE OF PG 64-22 TO BE REDUCED TO PG 58-28).

FILE NAME =	USER NAME = carpenterdj	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/6/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE: _____	SHEET NO. ___ OF ___ SHEETS
STA. _____ TO STA. _____	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	11RS-4 & 12RS-5	KANKAKEE	14	7
CONTRACT NO. 66930			ILLINOIS FED. AID PROJECT	

SIDEROAD AND ENTRANCE SCHEDULE											
STATION	SIDE		EXIST MAT	WIDTH	AREA	HMA SURF REM 2-1/4"	INC HMA SURF	BIT MAT (PR CT)	AGG (PR CT)	TEMP RAMP	AGG SURF CSE
				FOOT	SQ YD	SQ YD	TON	POUND	TON	SQ YD	TON
958+00	RT	HERSCHER RD	HMA	22	40	40	5.0	27.0	0.1	18.5	
961+14	RT	PE	HMA/AGG	11	23.3	23	2.9	15.7	0.0		0.3
962+30	RT	PE/MBTO	HMA/AGG	16/42	64	64	8.1	43.2	0.1		0.5
978+23	RT	PE/MBTO	HMA	16/43	65	65	8.2	43.9	0.1		
982+35	RT	PE	HMA/AGG	11	23.3	23	2.9	15.7	0.0		0.3
983+47	LT	N 11000W ROAD	HMA	22	40	40	5.0	27.0	0.1	18.5	
983+47	RT	CE/MBTO	HMA	20	70	70	8.8	47.3	0.1		
984+47	RT	CE	HMA	20	70	70	8.8	47.3	0.1		
986+50	RT	PE/MBTO	HMA/AGG	28/23	282	282	35.5	190.4	0.6		0.9
1007+00	LT	PE/MBTO	HMA/AGG	28/23	282	282	35.5	190.4	0.6		0.9
1007+00	RT	MBTO	HMA	58	141	141	17.8	95.2	0.3		
1011+50	RT	S 11000W ROAD	HMA	22	40	40	5.0	27.0	0.1	18.3	
1013+03	LT	PE/MBTO	HMA/AGG	28/38	9	9	1.1	6.1	0.0		0.9
1036+58	LT	N 10000W ROAD	HMA/AGG	20	365	365	46.0	246.4	0.7		0.6
1038+35	RT	PE/MBTO	HMA/AGG	28	154	154	19.4	104.0	0.3		0.9
1038+35	LT	MBTO	HMA	58	141	141	17.8	95.2	0.3		
1054+40	LT	PE/MBTO	HMA/AGG	28/23	282	282	35.5	190.4	0.6		0.9
1065+25	RT	S 10000W ROAD	HMA	26	161	161	20.3	108.7	0.3	21.7	
1065+48	LT	FE	AGG	12	24.4	24	3.1				0.3
1085+40	LT	PE	AGG	22	26	26	3.3				0.4
1086+03	RT	PE/MBTO	HMA	16/43	65	65	8.2	43.9	0.1		
1087+80	RT	PE	HMA/AGG	16	28.9	29	3.6	19.5	0.1		0.5
1089+31	LT	BONFIELD ROAD	HMA	33	182	182	22.9	122.9	0.4	27.5	
1102+49 TO 1105+64	RT	MBTO	HMA	315	230	230	29.0	155.3	0.5		
1102+99	LT	FE	HMA	23	19	19	2.4	12.8	0.0		
1103+12	RT	PE	HMA/AGG	11	17	17	2.1	11.5	0.0		0.3
1104+07	RT	CE	HMA/AGG	32	44	44	5.5	29.7	0.1		1.0
1104+86	RT	CE	HMA/AGG	25	35	35	4.4	23.6	0.1		0.8
1107+55	RT	PE/MBTO	HMA/AGG	18/45	69	69	8.7	46.6	0.1		0.6
1109+15	RT	PE	HMA/AGG	14	19	19	2.4	12.8	0.0		0.4
1109+42	RT	MBTO	HMA	89	109	109	13.7	73.6	0.2		
1109+68	RT	PE	HMA/AGG	13	19	19	2.4	12.8	0.0		0.4
1118+65	RT	S 9000W ROAD	HMA	16	108	108	13.6	72.9	0.2	13.3	
1122+93	LT	PE	HMA/AGG	14	42	42	5.3	28.4	0.1		0.4
1122+93	RT	MBTO	AGG	49	27	27	3.4	18.2	0.1		0.4
1127+76	RT	PE/MBTO	HMA/AGG	24/56	92	92	11.6	62.1	0.2		0.8
1128+63	RT	PE	HMA/AGG	13	19	19	2.4	12.8	0.0		0.4
1133+27	RT	PE/MBTO	HMA/AGG	10/54	60	60	7.6	40.5	0.1		0.3
1136+12	RT	PE	HMA/AGG	13	19	19	2.4	12.8	0.0		0.4
1136+37	RT	MBTO	HMA	150	110	110	13.9	74.3	0.2		
1136+61	RT	PE	HMA/AGG	10	16	16	2.0	10.8	0.0		0.3
1139+89	RT	PE/MBTO	HMA/AGG	15/47	60	60	7.6	40.5	0.1		0.5
1142+39	LT	N 8000W ROAD	HMA/AGG	20	147	147	18.5	99.2	0.3		0.6
1146+10	RT	PE	HMA/AGG	13	40	40	5.0	27.0	0.1		0.4
1148+20	RT	PE/MBTO	HMA/AGG	20/42	66	66	8.3	44.6	0.1		0.6
1150+85	RT	PE/MBTO	HMA/AGG	12/41	61	61	7.7	41.2	0.1		0.4
1151+90	RT	PE/MBTO	HMA/AGG	14/40	62	62	7.8	41.9	0.1		0.4
1154+00	RT	PE/MBTO	HMA/AGG	16/44	61	61	7.7	41.2	0.1		0.5
1156+10	LT	CE/MBTO	HMA/AGG	31/40	84	84	10.6	56.7	0.2		1.0
1158+32	LT	CE	HMA/AGG	30	44.4	44	5.6	30.0	0.1		0.9
1162+37 TO 1164+11	LT	MBTO	HMA	207	113	113	14.2	76.3	0.2		
1162+67	LT	PE	HMA/AGG	22	29	29	3.7	19.6	0.1		0.7
1164+11	LT	PE	HMA/AGG	20	29	29	3.7	19.6	0.1		0.6
1166+50	LT	PE/MBTO	HMA	19/36	66	66	8.3	44.6	0.1		
1173+75	RT	S 8000W ROAD	HMA	15	25.5	26	3.2	17.2	0.1	12.5	
1179+36	RT	PE/MBTO	HMA/AGG	20/66	83	83	10.5	56.0	0.2		0.6
1182+71 TO 1185+01	RT	MBTO	HMA	295	161	161	20.3	108.7	0.3		
1182+91	RT	PE	HMA	16	24	24	3.0	16.2	0.0		
1183+70	RT	CE	HMA/AGG	19	26	26	3.3	17.6	0.1		0.6
1184+42	RT	CE	HMA/AGG	21	32	32	4.0	21.6	0.1		0.7
1185+24	RT	PE	HMA/AGG	11.8	19	19	2.4	12.8	0.0		0.4
1186+50	LT	FE	AGG	12	24.4	24	3.1				0.3
1187+27	RT	PE/MBTO	HMA/AGG	17/51	64	64	8.1	43.2	0.1		0.5
1188+00	LT	FE	AGG	12	24.4	24	3.1				0.3
1192+03	RT	PE/MBTO	HMA/AGG	9/40	40	40	5.0	27.0	0.1		0.3
1193+87 TO 1199+28	RT	MBTO	HMA	541	296	296	37.3	199.8	0.6		
1194+03	RT	PE	HMA/AGG	11	14	14	1.8	9.5	0.0		0.3
1194+39	RT	PE	HMA/AGG	11	13	13	1.6	8.8	0.0		0.3
1195+80	LT	N 7000W ROAD	HMA	33	218	218	27.5	147.2	0.4	27.5	
1197+77	RT	PE	HMA/AGG	9	12	12	1.5	8.1	0.0		0.3
1198+82	RT	PE	HMA/AGG	13	16	16	2.0	10.8	0.0		0.4
1204+20	RT	PE/MBTO	HMA/AGG	20/69	70	70	8.8	47.3	0.1		0.6
1205+25	RT	PE/MBTO	HMA/AGG	11/39	41	41	5.2	27.7	0.1		0.3
1207+84 TO 1209+71	RT	MBTO	HMA	187	70	70	8.8	47.3	0.1		
1208+07	RT	CE	HMA	23	30	30	3.8	20.3	0.1	19.2	
1209+45	RT	CE	HMA	21	28	28	3.5	18.9	0.1	17.5	
1213+38	RT	S 7000W ROAD	HMA	26	130	130	16.4	87.8	0.3	14.4	
SUBTOTAL						5956.6	750.4	3954.9	11.4	208.9	26.4

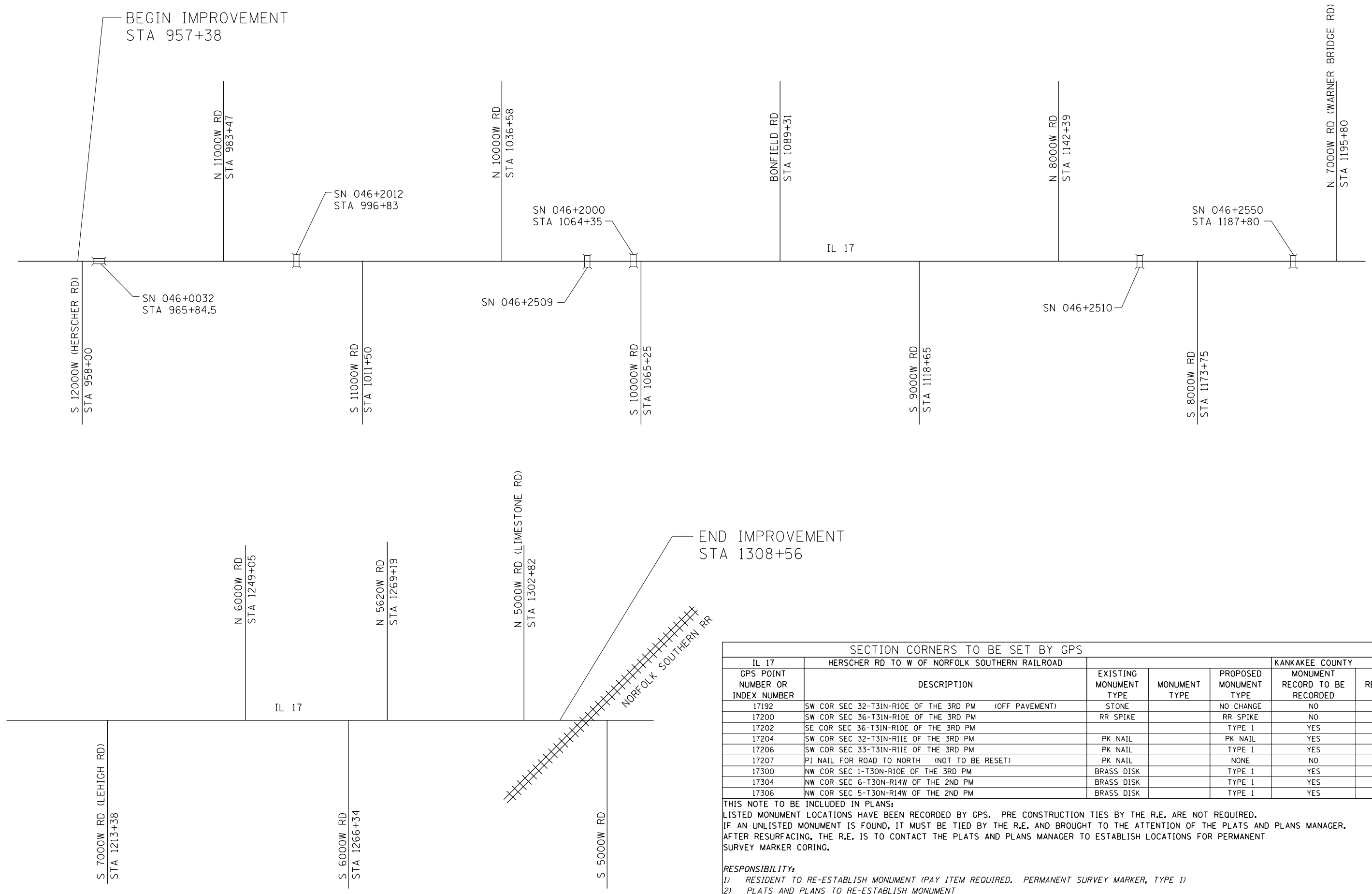
SIDEROAD AND ENTRANCE SCHEDULE (CONTINUED)												
STATION	SIDE		EXIST STA	WIDTH	AREA	HMA SURF REM 2 1/4"	INC HMA SURF	BIT MAT (PR CT)	AGG (PR CT)	TEMP RAMP	AGG SURF CSE	
				FOOT	SQ YD	SQ YD	TON	POUND	TON	SQ YD	TON	
1221+69	LT	FE	AGG	11	23.3	23	2.9				0.3	
1228+54	RT	PE/MBTO	HMA/AGG	21/41	64	64	8.1	43.2	0.1		0.7	
1233+30	LT	PE	HMA/AGG	12	39	39	4.9	26.3	0.1		0.4	
1235+40	RT	MBTO	HMA	58	32	32	4.0	21.6	0.1			
1235+66	LT	PE	HMA/AGG	19	48	48	6.0	32.4	0.1		0.6	
1241+73	RT	MBTO	HMA	73	40	40	5.0	27.0	0.1			
1241+73	LT	PE	HMA/AGG	18	47	47	5.9	31.7	0.1		0.6	
1248+59 TO 1251+12	LT	MBTO	HMA	253	138	138	17.4	93.2	0.3			
1249+05	LT	N 6000W ROAD	HMA	25	131	131	16.5	88.4	0.3	20.8		
1250+92	LT	PE	HMA/CONC	30	128	128	16.1	86.4	0.3			
1256+17 TO 1268+18	LT	MBTO	HMA	1201	657	657	82.8	443.5	1.3			
1256+66	LT	PE	HMA/AGG	22	30	30	3.8	20.3	0.1		0.7	
1257+38	LT	PE	HMA/AGG	15	23	23	2.9	15.5	0.0		0.5	
1258+33	LT	PE	HMA	37	40	40	5.0	27.0	0.1			
1258+83	LT	PE	HMA	38	42	42	5.3	28.4	0.1			
1260+99	RT	PE/MBTO	HMA	17	74	74	9.3	50.0	0.1			
1261+55	LT	PE	HMA	27	35	35	4.4	23.6	0.1			
1262+50	LT	PE	AGG	39	45	45	5.7				0.9	
1263+35	LT	PE	AGG	10	13	13	1.6				0.9	
1263+91	RT	PE/MBTO	AGG	25/60	87	87	11.0				0.9	
1264+86	LT	PE	AGG	13	15	15	1.9				0.9	
1265+49	LT	PE	AGG	21	25	25	3.2				0.9	
1265+88	LT	PE	AGG	11	17	17	2.1				0.9	
1266+34	RT	S 6000W ROAD	HMA	24	165	165	20.8	111.4	0.3	20.0		
1267+26	LT	PE	AGG	12	18	18	2.3				0.9	
1267+98	LT	PE	AGG	15	21	21	2.6				0.9	
1269+19	LT	N 5620W ROAD	HMA	16	124	124	15.6	83.7	0.2	13.3		
1272+15 TO 1274+57	LT	MBTO	HMA	243	133	133	16.8	89.8	0.3			
1272+54	LT	PE	AGG	21	29	29	3.7				0.9	
1273+26	LT	PE	AGG	17	24	24	3.0				0.9	
1274+28	LT	PE	AGG	38	48	48	6.0				0.9	
1278+91 TO 1284+71	LT	MBTO	HMA	581	318	318	40.1	214.7	0.6			
1279+56	LT	PE	AGG	10.4	43	43	5.4				0.9	
1280+48 TO 1289+76	RT	MBTO	HMA	928	508	508	64.0	342.9	1.0			
1280+91	RT	PE	AGG	13	20	20	2.5				0.9	
1281+89	LT	PE	AGG	16	23	23	2.9				0.9	
1282+94	RT	PE	AGG	22	32	32	4.0				0.9	
1283+53	LT	PE	AGG	30	40	40	5.0				0.9	
1284+45	LT	PE	AGG	22	32	32	4.0				0.9	
1284+94	RT	PE	AGG	16	24	24	3.0				0.9	
1285+76 TO 1286+75	LT	MBTO	HMA	98	54	54	6.8	36.5	0.1			
1285+93	RT	PE	AGG	14	22	22	2.8				0.9	
1285+93	LT	PE	AGG	13	20	20	2.5				0.9	
1286+52	LT	PE	AGG	20	30	30	3.8				0.9	
1286+58	RT	PE	AGG	17	22	22	2.8				0.9	
1287+34 TO 1291+57	LT	MBTO	HMA	423	231	231						

SEEDING SCHEDULE								
LOCATION		SIDE	SEEDING	FURN	EROSION	NIT	PHOS	POT
			CL 2	EXC	CONTROL	FERT	FERT	FERT
			ACRE	CU YD	SQ YD	LB	LB	LB
HERSCHER ROAD	958+00	RT	0.01	2.9	52	0.9	0.9	0.9
N 11000W ROAD	983+47	LT	0.01	2.9	52	0.9	0.9	0.9
S 11000W ROAD	1011+50	RT	0.01	2.9	52	0.9	0.9	0.9
N 10000W ROAD	1036+58	LT	0.01	2.9	52	0.9	0.9	0.9
S 10000W ROAD	1065+25	RT	0.01	2.9	52	0.9	0.9	0.9
BONFIELD ROAD	1089+31	LT	0.01	2.9	52	0.9	0.9	0.9
S 9000W ROAD	1118+65	RT	0.01	2.9	52	0.9	0.9	0.9
N 8000W ROAD	1142+39	LT	0.01	2.9	52	0.9	0.9	0.9
S 8000W ROAD	1173+75	RT	0.01	2.9	52	0.9	0.9	0.9
N 7000W ROAD	1195+80	LT	0.01	2.9	52	0.9	0.9	0.9
S 7000W ROAD	1213+38	RT	0.01	2.9	52	0.9	0.9	0.9
N 6000W ROAD	1249+05	LT	0.01	2.9	52	0.9	0.9	0.9
S 6000W ROAD	1266+34	RT	0.01	2.9	52	0.9	0.9	0.9
N 5620W ROAD	1269+19	LT	0.01	2.9	52	0.9	0.9	0.9
PROJECT TOTAL			0.14	40.6	728	12.6	12.6	12.6

RESURFACING SCHEDULE										
LOCATION	LENGTH	PVMT AREA	HMA SURF CSE	LEVEL BINDER (MM)	HMA SURF REM 2 1/4"	TEMP RAMP	BIT MAT (PR CT)	MIX FOR CRACKS, JOINTS & FLGWYS	LEVEL BINDER (HM)	AGG SHLD
957+38 TO 965+36.62	798.62	2662.1	223.6	111.8	2662.1	50	1797	0.8	1.3	37.9
965+36.62 TO 966+32.38 (OMISSION)	95.76									
966+32.38 TO 1208+30	24197.62	80658.7	6775.3	3387.7	80658.7	25	54445	24.2	40.3	1148.3
1208+30 TO 1221+40	1310	5566.7	467.6	233.8	5566.7		3758	1.7	2.8	62.2
1221+40 TO 1296+00	7460	24866.7	2088.8	1044.4	24866.7		16785	7.5	12.4	354
1296+00 TO 1308+56	1256	17386.7	1460.5	730.2	17386.7	25	11736	5.2	8.7	59.6
TOTAL			11015.8	5507.9	131140.9	100	88521	39.4	65.5	1662.0

PAVEMENT MARKING SCHEDULE															
LOCATION	LENGTH	POLYUREA PAVEMENT MARKING, TY 1 4"		POLYUREA PVMT MARK TYPE 1 8"		POLYUREA PAVEMENT MARKING, TY 1 12"		POLYUREA PVMT MARK TYPE 1 24"		POLYUREA PVMT MARK TYPE 1 LETTERS & SYMB	RAISED REFLECT PVMT MARK REM	RAISED REFLECT PVMT MARK	PRISMATIC CURB REFLECT	SHORT TERM PVMT MARK	WORK ZONE PVMT MARK REM
		WHITE	YELLOW	WHITE	WHITE	YELLOW	WHITE								
		FOOT	FOOT	FOOT	FOOT	FOOT	FOOT								
957+38 TO 1208+30	25092	100368	1000	12546							314	314		7528	836
1208+30 TO 1221+40	1310	2618	4646	98		354		31.2		68	68			1436.4	159
1221+40 TO 1296+00	7460	29840	2000	3730						93	93			2238	248
1296+00 TO 1306+56	1095	2710	4587	443	60	280	56	92.4		65	65	8		1183.2	131
SUBTOTAL		135536	12233	16817	60	634	56	123.6		540	540	8		12385.6	1374
PROJECT TOTAL		147769		16817	694		56	123.6		540	540	8		12385.6	1374

TEMPORARY PAVEMENT MARKING SCHEDULE									
LOCATION	LENGTH	TEMPORARY PAVEMENT MARKING 4"		TEMP PVMT MARK 6"	TEMP PVMT MARK 8"	TEMPORARY PAVEMENT MARKING 12"		TEMP PVMT MARK 24"	TEMP PVMT MARK LETTERS & SYMB
		WHITE	YELLOW	YELLOW	WHITE	WHITE	YELLOW	WHITE	
		FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	
957+38 TO 1208+30	25092	100368	1000	6273					
1208+30 TO 1221+40	1310	2618	4646	98		354		31.2	
1221+40 TO 1296+00	7460	29840	2000	1865					
1296+00 TO 1308+56	1095	2710	4587	443	60	280	56	92.4	
SUBTOTAL		135536	12233	8138	541	60	634	56	123.6
PROJECT TOTAL		147769		8138	541	694		56	123.6



SECTION CORNERS TO BE SET BY GPS						
IL 17	HERSCHER RD TO W OF NORFOLK SOUTHERN RAILROAD			KANKAKEE COUNTY		
GPS POINT NUMBER OR INDEX NUMBER	DESCRIPTION	EXISTING MONUMENT TYPE	MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED	RESPONSIBILITY
17192	SW COR SEC 32-T31N-R10E OF THE 3RD PM (OFF PAVEMENT)	STONE		NO CHANGE	NO	2
17200	SW COR SEC 36-T31N-R10E OF THE 3RD PM	RR SPIKE		RR SPIKE	NO	2
17202	SE COR SEC 36-T31N-R10E OF THE 3RD PM			TYPE 1	YES	1
17204	SW COR SEC 32-T31N-R11E OF THE 3RD PM	PK NAIL		PK NAIL	YES	2
17206	SW COR SEC 33-T31N-R11E OF THE 3RD PM	PK NAIL		TYPE 1	YES	1
17207	PI NAIL FOR ROAD TO NORTH (NOT TO BE RESET)	PK NAIL		NONE	NO	
17300	NW COR SEC 1-T30N-R10E OF THE 3RD PM	BRASS DISK		TYPE 1	YES	1
17304	NW COR SEC 6-T30N-R14W OF THE 2ND PM	BRASS DISK		TYPE 1	YES	1
17306	NW COR SEC 5-T30N-R14W OF THE 2ND PM	BRASS DISK		TYPE 1	YES	1

THIS NOTE TO BE INCLUDED IN PLANS:
 LISTED MONUMENT LOCATIONS HAVE BEEN RECORDED BY GPS. PRE CONSTRUCTION TIES BY THE R.E. ARE NOT REQUIRED.
 IF AN UNLISTED MONUMENT IS FOUND, IT MUST BE TIED BY THE R.E. AND BROUGHT TO THE ATTENTION OF THE PLATS AND PLANS MANAGER.
 AFTER RESURFACING, THE R.E. IS TO CONTACT THE PLATS AND PLANS MANAGER TO ESTABLISH LOCATIONS FOR PERMANENT SURVEY MARKER CORING.

- RESPONSIBILITY:**
 1) RESIDENT TO RE-ESTABLISH MONUMENT (PAY ITEM REQUIRED. PERMANENT SURVEY MARKER, TYPE 1)
 2) PLATS AND PLANS TO RE-ESTABLISH MONUMENT

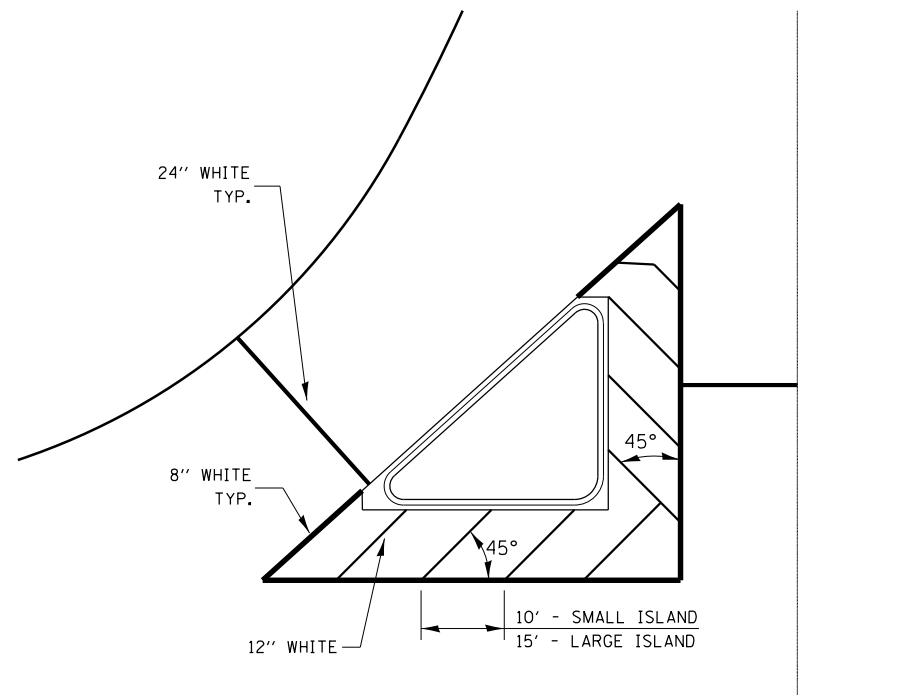
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

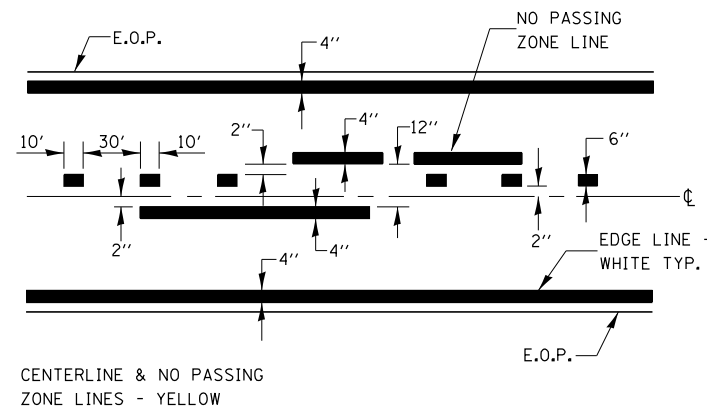
PROJECT LAYOUT

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

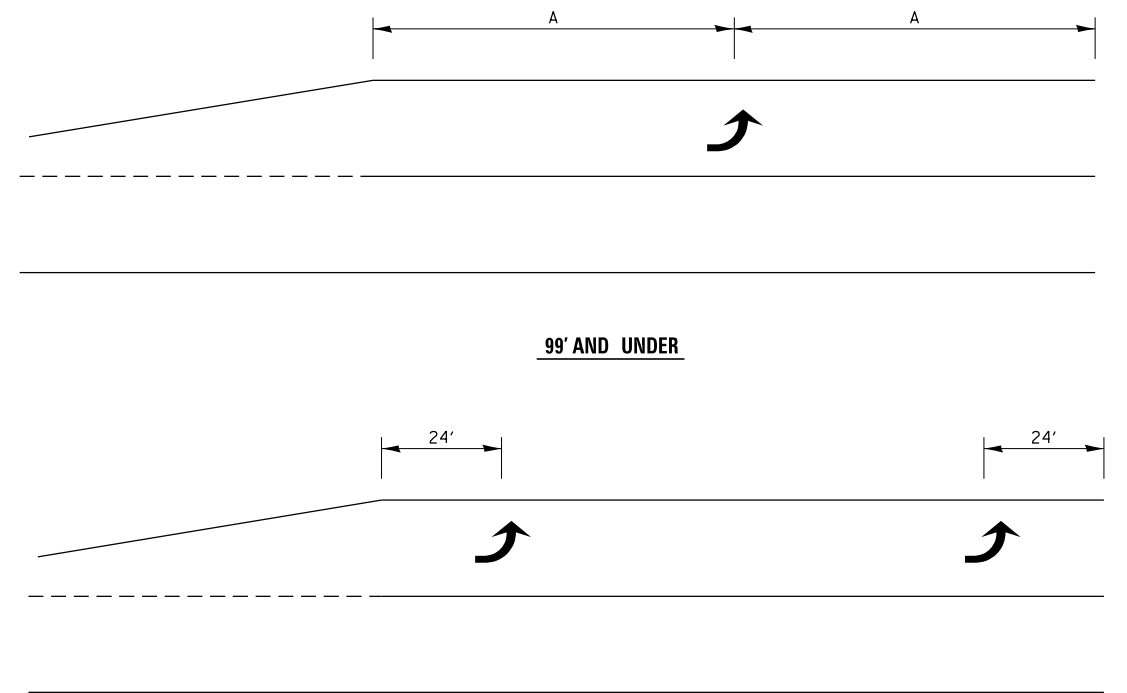
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	11RS-4 & 12RS-5	KANKAKEE	14	10
CONTRACT NO. 66930				
ILLINOIS FED. AID PROJECT				



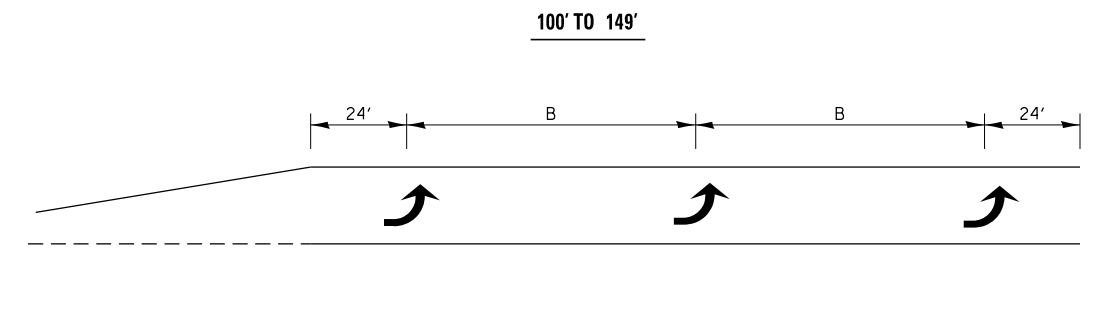
TYPICAL ISLAND



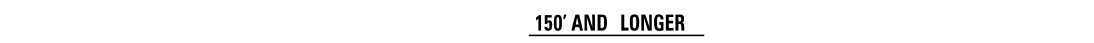
PAVEMENT MARKING



99' AND UNDER

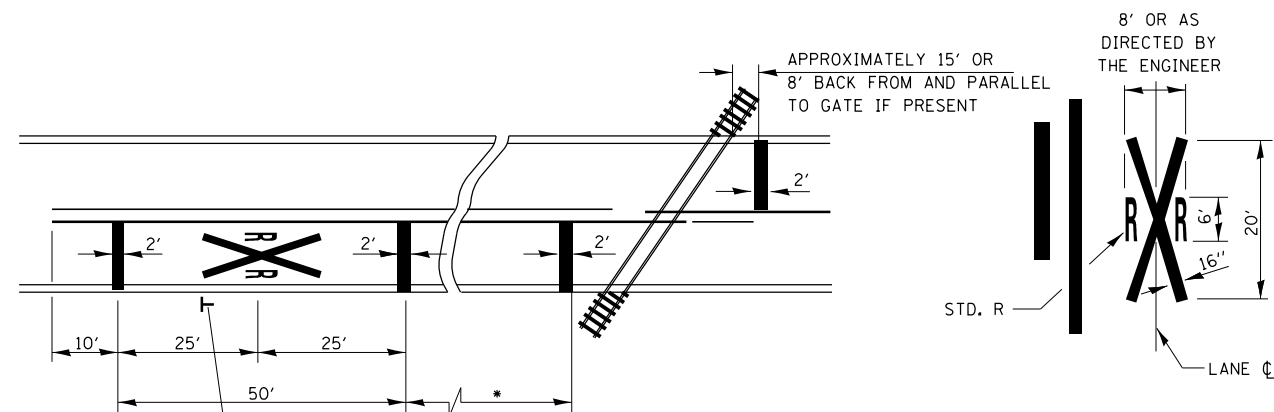


100' TO 149'



150' AND LONGER

TYPICAL PLACEMENT OF ARROWS IN TURN LANES



(W10-1)

* MINIMUM DISTANCE
400' FOR 55 MPH
250' FOR 45 MPH
100' FOR 35 MPH OR LESS

NOTES:
THE TRANSVERSE SPREAD OF THE "X"
MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES
SHALL EXTEND ACROSS ALL APPROACH
LANES AND SEPARATE RXR SYMBOLS SHALL
BE PLACED ADJACENT TO EACH OTHER
IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL
IS USED, A PORTION OF THE SYMBOL
SHOULD BE LOCATED DIRECTLY ADJACENT
TO THE ADVANCE WARNING SIGN (W10-1).

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

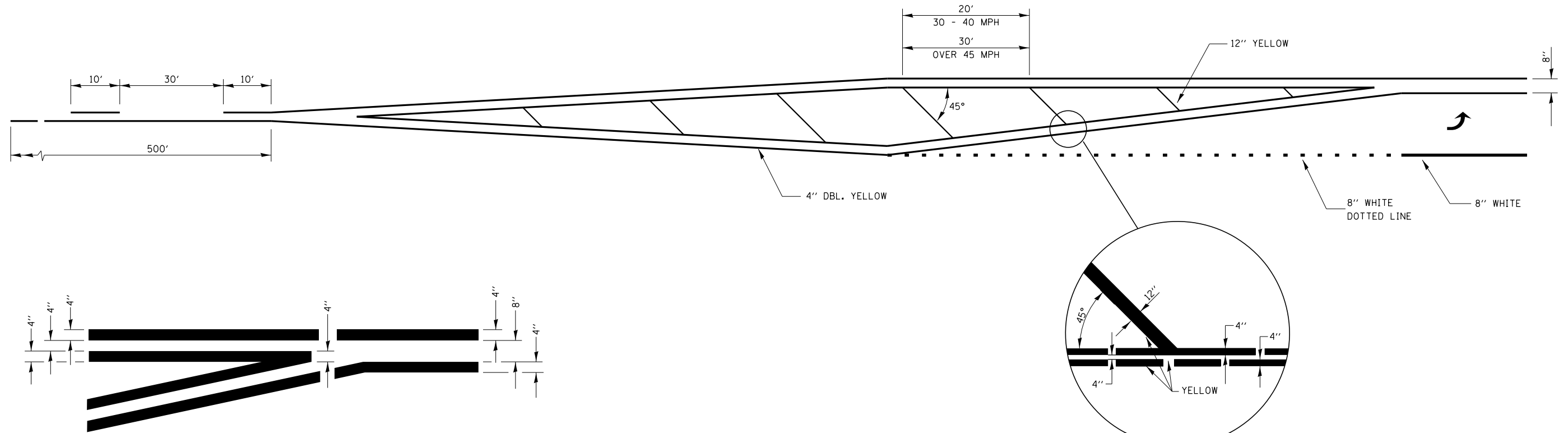
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

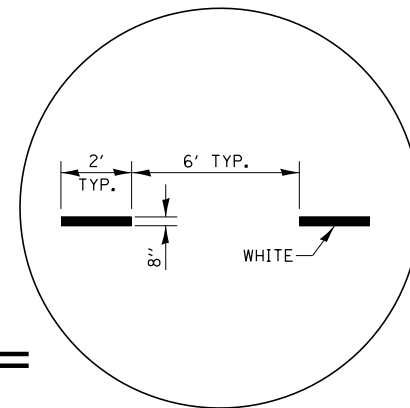
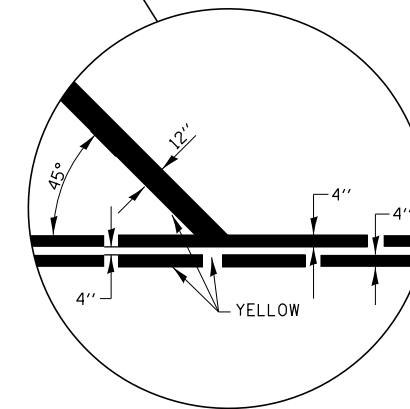
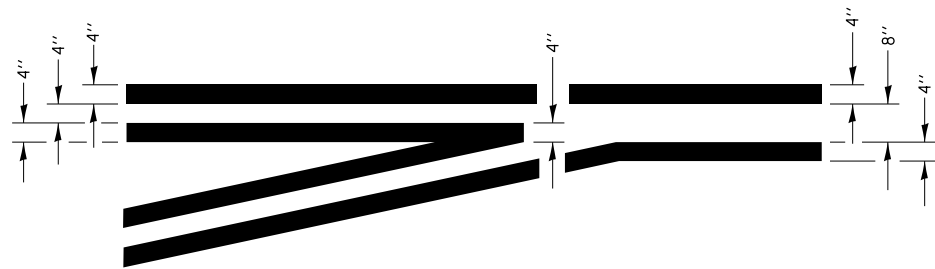
DETAILS

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

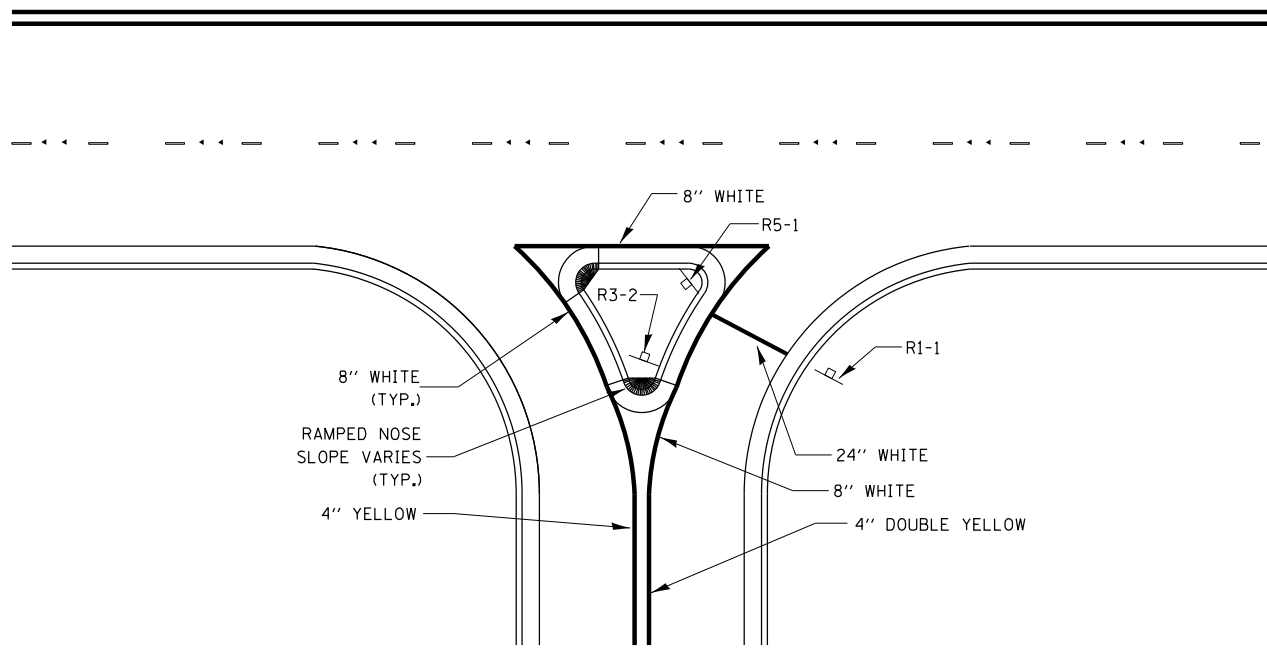
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	11RS-4 & 12RS-5	KANKAKEE	14	11
CONTRACT NO. 66930				
ILLINOIS FED. AID PROJECT				



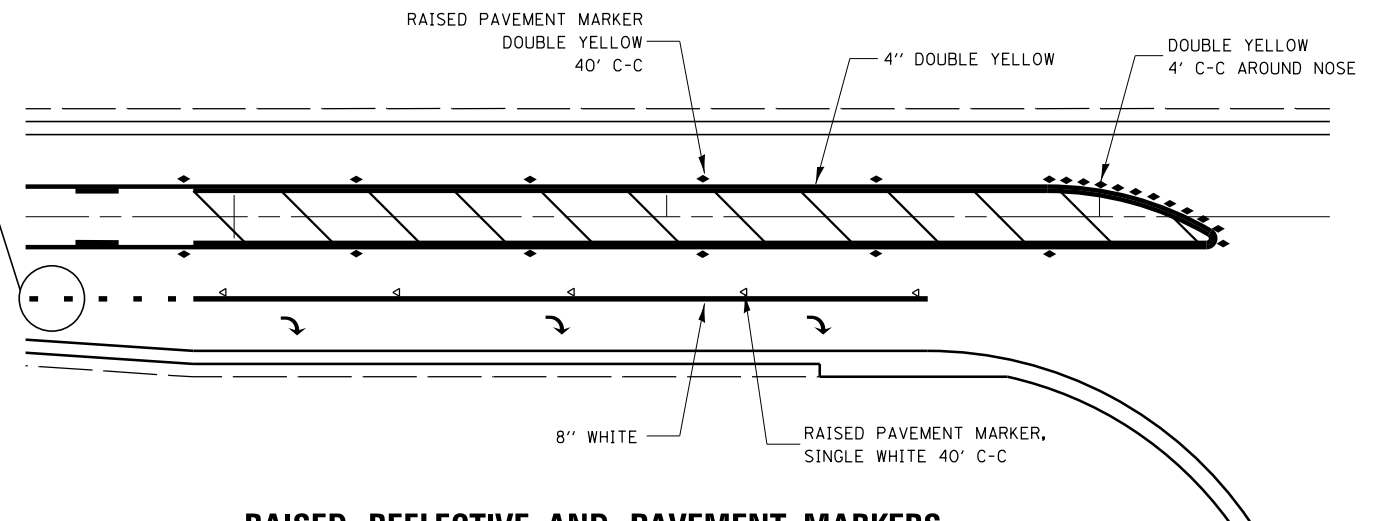
**TYPICAL APPLICATION
LEFT TURN LANES**



**ADVANCE AND INTERSECTION LANE
DIVIDER LINES**



RIGHT IN RIGHT OUT ACCESS PAVEMENT MARKING



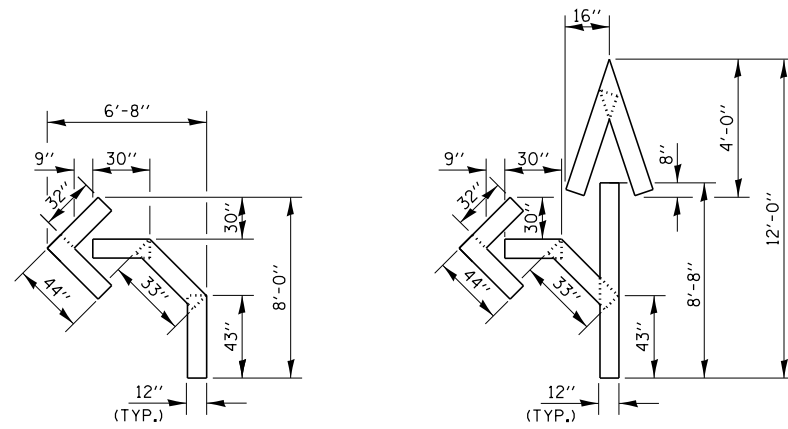
**RAISED REFLECTIVE AND PAVEMENT MARKERS
RIGHT TURN LANE**

FILE NAME =	USER NAME = carpenterdj	DESIGNED -	REVISD -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

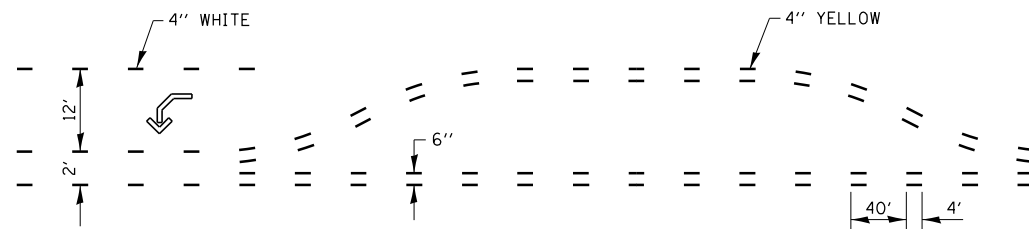
DETAILS			
SCALE: _____	SHEET NO. ____ OF ____ SHEETS	STA. _____ TO STA. _____	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	11RS-4 & 12RS-5	KANKAKEE	14	12
CONTRACT NO. 66930				
ILLINOIS FED. AID PROJECT				

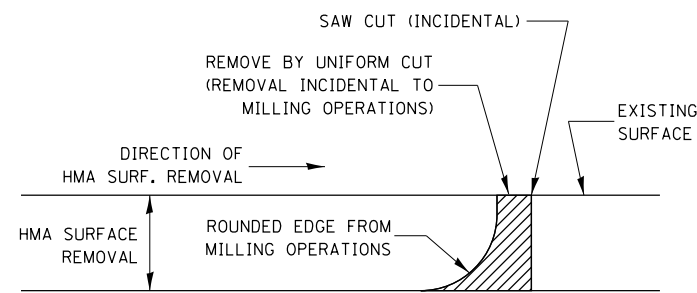


QUANTITY
12" LINE = 16 LIN. FT.
OR 4" LINE = 48 LIN. FT.

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

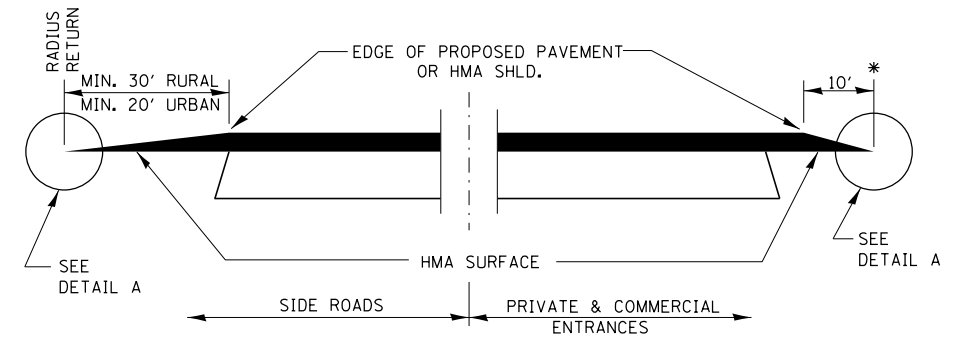


SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS

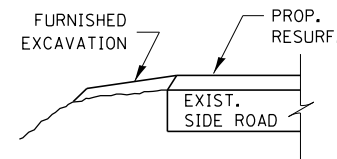


NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE,
THEN A SAW CUT SHALL BE USED TO MANUFACTURE
A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL.
THE ENGINEER SHALL BE THE SOLE JUDGE
CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS

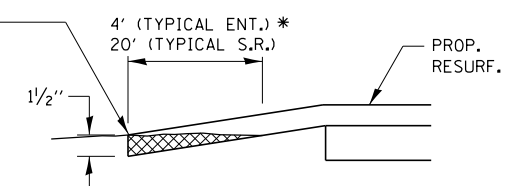


SECTION A-A DETAILS AT ENTRANCES & SIDE ROADS

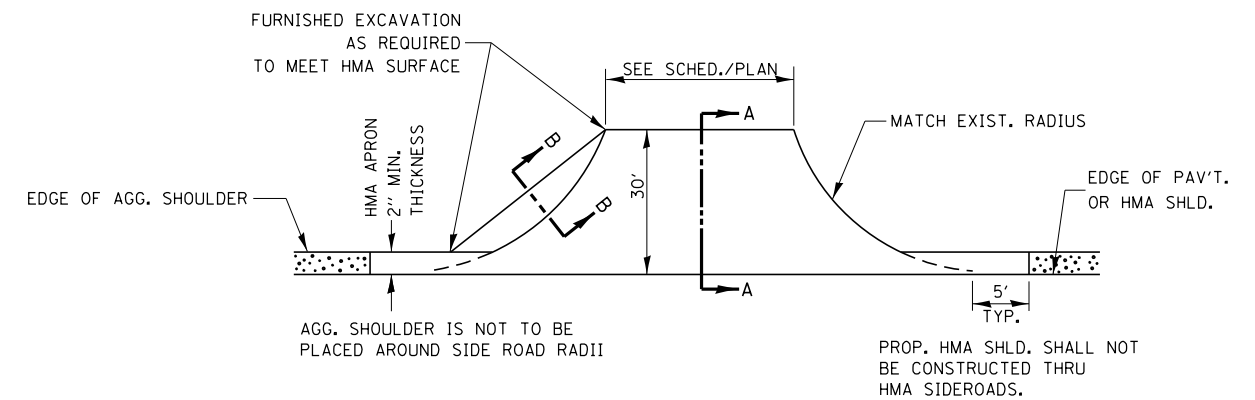


SECTION B-B

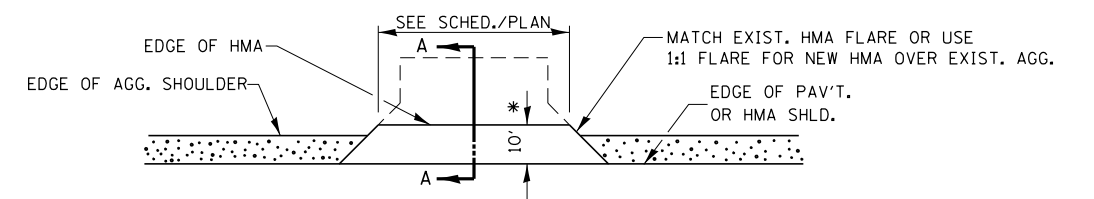
THE COST OF REMOVAL AT EXISTING HMA OR
P.C.C. LOCATIONS SHALL BE PAID FOR PER
SQ. YD. BY THE APPROPRIATE PAY ITEM.
REMOVAL AT THE EXISTING AGG. LOCATIONS
SHALL BE INCIDENTAL TO THE HMA. A-3
LOCATIONS SHALL BE FEATHER TAPERED.



DETAIL A



PLAN AT SIDE ROADS



PLAN AT PRIVATE & COMMERCIAL ENTRANCES

(DO NOT RESURFACE FIELD ENTRANCES)

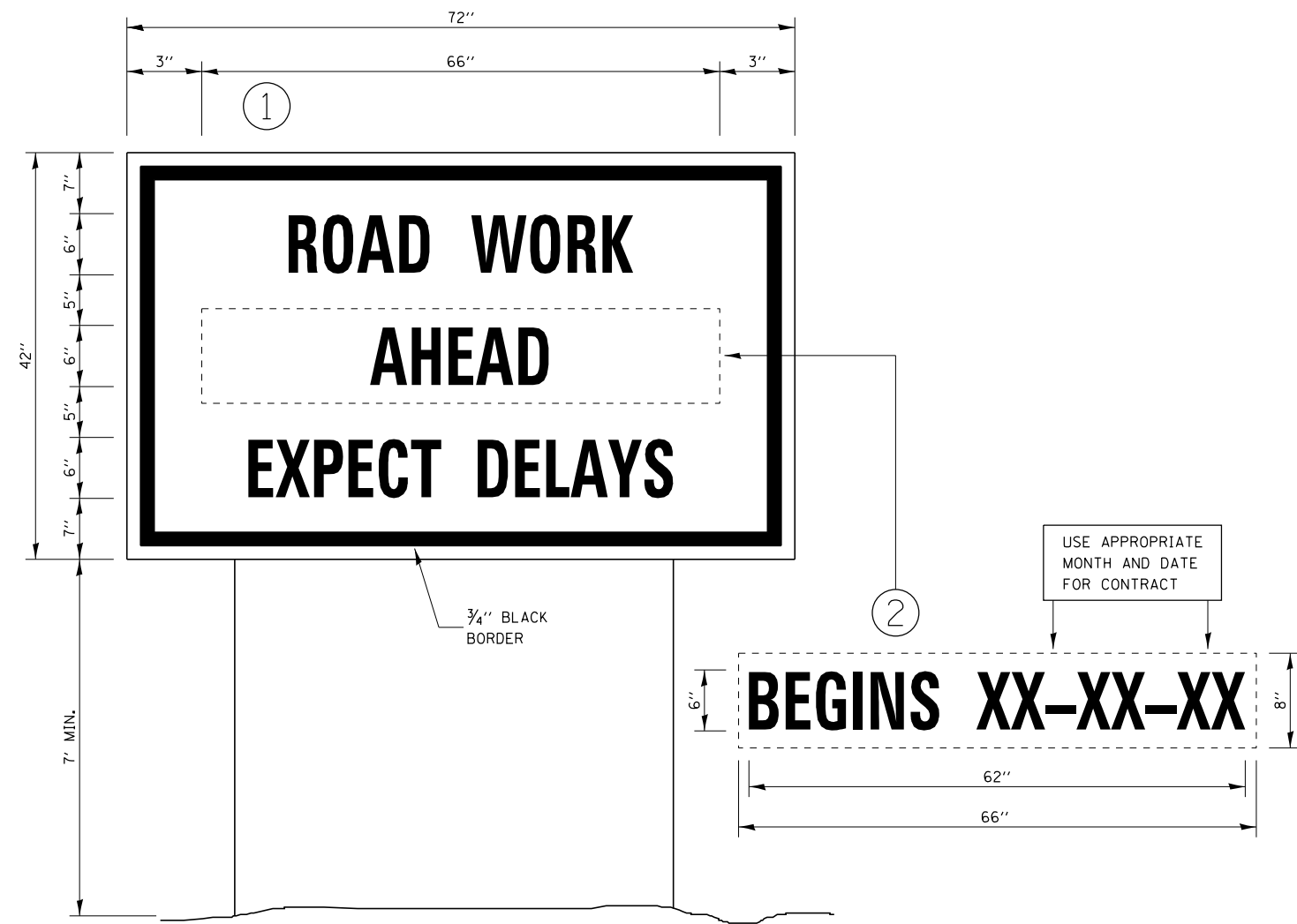
* PROPOSED HMA RESURFACING AT PUBLIC EDUCATIONAL FACILITY
ENTRANCES SHALL BE EXTENDED TO THE RIGHT-OF-WAY LIMITS.

FILE NAME =	USER NAME = carpenterdj	DESIGNED -	REVISED -
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	PLOT DATE = 6/6/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: _____		SHEET NO. ___ OF ___ SHEETS		STA. _____ TO STA. _____	
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
41	11RS-4 & 12RS-5	KANKAKEE	14	13
CONTRACT NO. 66930				
ILLINOIS FED. AID PROJECT				



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.	
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		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: _____		SHEET NO. ___ OF ___ SHEETS		STA. _____ TO STA. _____		