



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	1041RS-1	MCLEAN	21	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

## INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
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16	SIDE ROAD ENTRANCE AT 4200E STATION 1450+30.00 LT.
17-20	TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS
21	X0301232 - SURVEY MARKER VAULT

## LIST OF STANDARDS

<u>STANDARD NO.</u>	<u>NAME OF STANDARD</u>
X 000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	104IRS-1	MCLEAN	21	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

## GENERAL NOTES

G. N. -100

ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G. N. -107.12

THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE LOCAL RAILROAD CONTACT IS:

MRS. KATHY MILES  
 DIVISION OFFICE MANAGER-ILLINOIS DIVISION  
 NORFOLK SOUTHERN RAILWAY COMPANY  
 1735 EAST CONDOT STREET  
 DECATUR, IL. 62521  
 217-425-2042

SPECIAL ATTENTION IS CALLED TO ARTICLE 107.12 REGARDING RAILROAD FLAGGERS. THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE RAILROAD FLAGGER CONTACT IS:

MR. TROY FREDERICKS  
 TRACK SUPERVISOR  
 NORFOLK SOUTHERN RAILWAY COMPANY  
 2100 WEST COLLEGE  
 NORMAL, IL 61761  
 (217) 714-2546

G. N. -406

THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G. N. -406H

MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Location(s):	US 136	US 136
Mixture Use(s):	SURFACE & INCID & PD PATCH	CLASS D
AC/PG:	PG 64-22	PG 64-22
RAP %: (Max)**	15	25
Design Air Voids:	4.0% @ Ndes = 50	4.0% @ Ndes = 50
Mixture Composition: (Gradation Mixture)	IL 9.5	IL 19.0
Friction Aggregate:	MIX C	N.A.

G. N. -542

BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

G. N. -667

THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR SETTING THESE MARKERS.

G. N. -703A

SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G. N. -781

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

G. N. -1004.01

COARSE AGGREGATES GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

COMMITMENTS:

THERE ARE NO COMMITMENTS FOR THIS PROJECT.

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F.A.P. RTE.	SECTION	TOTAL SHEETS	SHEET NO.
709	(104)RS-1	MCLEAN	21
STA.		TO STA.	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

### SUMMARY OF QUANTITIES

PAGE 1 OF 2

LOCATION OF WORK:

MCLEAN COUNTY  
RURAL  
FAP 709 (US 136)

STA. 1162+80.00  
STA. 1450+95.00

FUNDING BREAKOUT:

100% STATE

CONSTRUCTION TYPE CODE:

1000  
TOTAL  
QUANTITY

CODE NO	ITEM	UNIT	TOTAL QUANTITY
20400800	FURNISHED EXCAVATION	CU YD	4.0
20900110	POROUS GRANULAR BACKFILL	CU YD	8.0
25100630	EROSION CONTROL BLANKET	SQ YD	12.0
35101400	AGGREGATE BASE COURSE, TYPE B	TON	48.0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	7,614.0
40600300	AGGREGATE (PRIME COAT)	TON	154.0
40600895	CONSTRUCTING TEST STRIP	EACH	1.0
40600990	TEMPORARY RAMP	SQ YD	226.0
40603310	HOT-MIX ASPHALT SURFACE COURSE, <sup>MIX</sup> "C", N50	TON	6,395.0
40300010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	184.0
40300030	AGGREGATE (PRIME COAT)	TON	4.0
40300050	INCIDENTAL HOT-MIX <sup>ASPHALT</sup> SURFACING	TON	155.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	76,124.0
44000196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	1,715.0
44000100	PAVEMENT REMOVAL	SQ YD	125.0
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	51.0
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	52.0
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	114.0

\*SPECIALTY ITEMS

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	1104RS-1	MCLEAN	21	5
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LOCATION OF WORK: **MCLEAN COUNTY RURAL**  
**FAP 709 (US 136)**  
**STA. 1162+80.00**  
**STA. 1450+95.00**

**SUMMARY OF QUANTITIES**  
**PAGE 2 OF 2**

FUNDING BREAKOUT: **100% STATE**

CONSTRUCTION TYPE CODE: **I000**  
**TOTAL QUANTITY**

CODE NO	ITEM	UNIT	TOTAL QUANTITY
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1,196.0
50105220	PIPE CULVERT REMOVAL	FOOT	40.0
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2.0
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	40.0
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2.0
67100100	MOBILIZATION	L SUM	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	5,192.0
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	123.0
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	72,619.0
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	72.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	859.0
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	123.0
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	72.0
*78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	72,619.0
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	372.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	361.0
X0301232	SURVEY MARKER VAULT	EACH	8.0
X4401705	PARTIAL DEPTH REMOVAL	SQ YD	780.0
X4421000	PARTIAL DEPTH PATCHING	TON	241.0
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1.0

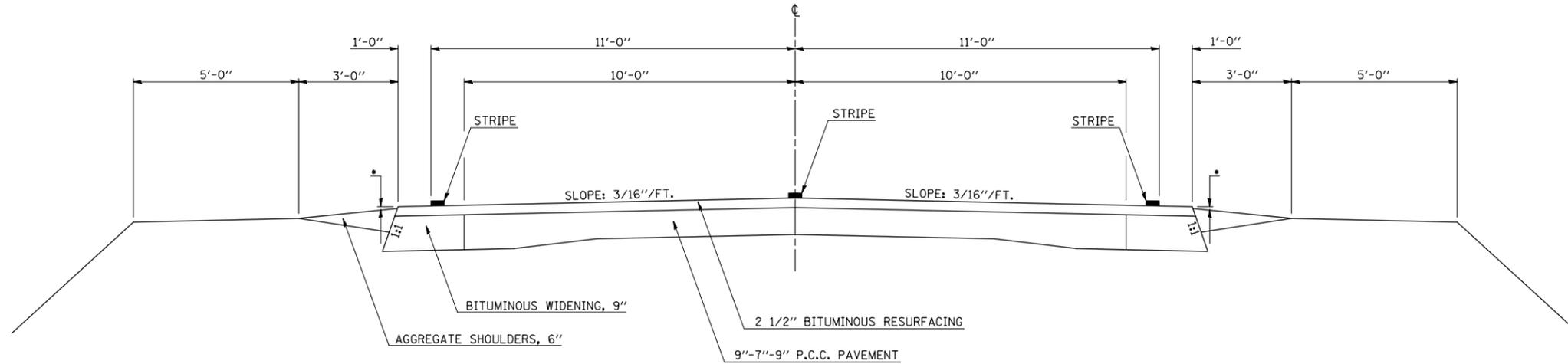
\*SPECIALTY ITEMS

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	(104)RS-1	MCLEAN	21	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

### EXISTING TYPICAL CROSS SECTION

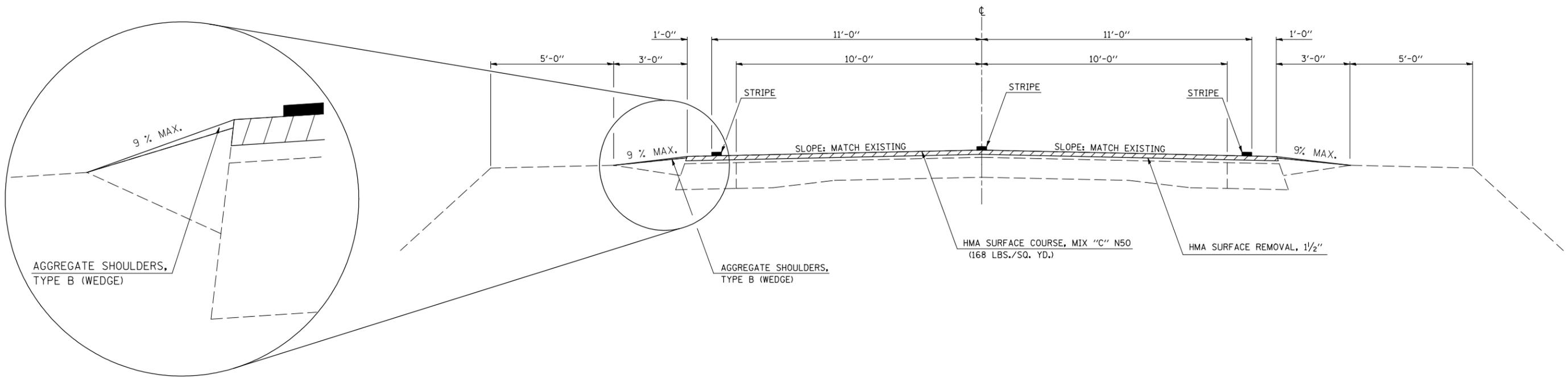
STATION 1162+80.00 TO STATION 1450+95.00



• 1 1/2" RT.; 2 1/2" LT. - VARIOUS AREAS WITH LOW SHOULDERS

### PROPOSED TYPICAL CROSS SECTION

STATION 1162+80.00 TO STATION 1450+95.00  
 OMISSION STATION 1416+53.00 TO STATION 1417+23.00  
 OMISSION STATION 1442+63.00 TO STATION 1444+62.00



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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	(104)RS-1	MCLEAN	21	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

## SCHEDULE OF QUANTITIES

### HOT-MIX ASPHALT CALCULATIONS

STATION	TO	STATION	LENGTH (FOOT)	WIDTH (WIDTH)	AREA (SQ. YD)	HMA SC	40603310
						THICKNESS (INCHES)	HMA SC MIX "C" N50 (TON)
1162+80.00		1416+53.00	25373.0	24.0	67661.3	1.5	5683.6
1417+23.00		1442+63.00	2540.0	24.0	6773.3	1.5	569.0
1444+62.00		1450+95.00	633.0	24.0	1688.0	1.5	141.8
TOTAL =							6394.3

### TEMPORARY RAMP - 4060090

STATION	TYPE	WIDTH (FOOT)	LENGTH (FOOT)	AREA (SQ. YD)	
1162+80.00	CL	ML	24.00	5.00	14
1184+50.00	RT	SR	15.00	5.00	9
1184+64.00	LT	SR	16.50	5.00	10
1237+20.00	RT	SR	22.00	5.00	13
1264+32.00	LT	SR	24.20	5.00	14
1289+89.00	RT	SR	41.00	5.00	23
1343+61.00	RT	SR	24.00	5.00	14
1343+66.00	LT	SR	19.00	5.00	11
1396+85.00	RT	SR	21.00	5.00	12
1397+31.00	LT	SR	21.00	5.00	12
1416+53.00	CL	ML	24.00	5.00	14
1417+23.00	CL	ML	24.00	5.00	14
1442+63.00	CL	ML	24.00	5.00	14
1444+62.00	CL	ML	24.00	5.00	14
1450+30.00	RT	SR	19.00	5.00	11
1450+30.00	LT	SR	23.00	5.00	13
1450+95.00	CL	ML	24.00	5.00	14

USE 226

CL = CENTERLINE  
ML = MAINLINE  
SR = SIDEROAD

### PIPE CULVERT

STATION	50105220 PIPE CULVERT REMOVAL (FOOT)	542A0223 PIPE CULVERTS CLASS A, TYPE 1 18" (FOOT)	54213663 PRECAST REINF. CONC. FLARED END SECT. 18" (EACH)	20900110 POROUS GRANULAR BACKFILL (CU. YD.)	20400800 FURNISHED EXCAVATION (CU. YD.)	25100630 EROSION CONTROL BLANKET (SQ. YD.)
1393+00.00	40.0	40.0	2.0	8.0	4.0	12.0
TOTALS	40.0	40.0	2.0	8.0	4.0	12.0

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	(104)RS-1	MCLEAN	21	8
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

## SCHEDULE OF QUANTITIES

### SURVEY MARKER VAULT - X0301232

LOCATION	STATION	EACH
3700E	1184+50.00	1
3700E	1184+64.00	1
3800E	1237+20.00	1
3800E	1237+75.00	1
3900E	1290+55.00	1
3900E	1289+89.00	1
4000E	1343+61.00	1
4200E	1450+30.00	1
TOTAL		8

### PAVEMENT MARKINGS

	STATION	STATION	78001110 PAINT LINE 4" (WHITE) (FOOT)	78001110 PAINT LINE 4" (YELLOW) (FOOT)	78000100 THERMOPLASTIC LETTERS & SYMBOLS (SQ. FT.)	78000650 THERMOPLASTIC LINE 24" (FOOT)
FAP 709 (US 136)	1162+80.00	1416+53.00	50,746.00	13,736.00		
FAP 709 (US 136)	1417+23.00	1442+63.00	5,080.00	924.00		
FAP 709 (US 136)	1444+62.00	1450+95.00	1,266.00	867.00		
RAILROAD CROSSING	1443+60.00	---			123.00	72.00
TOTALS			57,092.00	15,527.00	123.00	72.00

### SIDE ROADS AND ENTRANCES

STATION	TYPE	DIST. EOP TO JOINT (FOOT)	40800040 INCIDENTAL BIT. SURF. (TON)	44000196 HMA REM. SPEC. (SQ YD)	40800010 BIT. MATLS. (PRIME COAT) (GAL)	40800030 AGGREGATE (PRIME COAT) (TON)	44000100 PAVEMENT REMOVAL (SQ YD)	35101400 AGG. BASE. CSE., TYPE B (TON)
1166+63.00	LT PE	6.00	1.52	18.00	1.80	0.04		
1166+63.00	RT MB	6.50	2.52	30.00	3.00	0.06		
1184+50.00	RT SR	32.00	9.08	108.00	10.80	0.22		
1184+64.00	LT SR	25.60	8.40	100.00	10.00	0.20		
1237+20.00	RT SR	27.70	11.76	140.00	14.00	0.28		
1264+32.00	LT SR	62.00	32.68	389.00	38.90	0.78		
1270+78.00	RT PE	10.70	2.27	27.00	2.70	0.06		
1289+89.00	RT SR	28.00	20.16	240.00	24.00	0.48		
1343+61.00	RT SR	46.50	18.23	217.00	21.70	0.44		
1343+66.00	LT SR	18.00	5.97	71.00	7.10	0.15		
1396+85.00	RT SR	28.00	9.41	112.00	11.20	0.23		
1397+31.00	LT SR	27.50	10.17	121.00	12.10	0.25		
1411+55.00	LT PE	5.50	4.04	48.00	4.80	0.10		
1450+30.00	RT SR	26.00	7.90	94.00	9.40	0.19		
1450+30.00	LT SR	27.00	10.50	0.00	12.50	0.25	125.00	48.00
			154.61	1715.00	184.00	3.73	125.00	48.00
USE			155.00	1715.00	184.00	4.00	125.00	48.00

### RAISED REFLECTIVE PAVEMENT MARKER 78100100

STATION	TO	STATION	2 WAY AMBER (EACH)
1162+80.00		1265+50.00	130
1265+50.00		1270+78.00	16
1270+78.00		1416+53.00	184
1417+23.00		1442+63.00	33
1444+62.00		1450+95.00	9
TOTAL			372

### RAISED REFLECTIVE PAVEMENT MARKER REMOVAL 78300200

STATION	TO	STATION	EACH
1162+80.00		1416+53.00	319
1417+23.00		1442+63.00	33
1444+62.00		1450+95.00	9
TOTAL			361

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709	(104)RS-1	MCLEAN	21	9
STA.		TO STA.		
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CLASS D PATCH

STATION	DIRECTION	LANE	LENGTH	WIDTH	DEPTH	PATCH AREA			
						TYPE I 12.0" (sq. yd)	TYPE II 12.0" (sq. yd)	TYPE III 12.0" (sq. yd)	TYPE IV 12.0" (sq. yd)
1167+17	WB	DRIVING	4	12	12	0.0	5.3	0.0	0.0
1239+59	WB	DRIVING	6	12	12	0.0	8.0	0.0	0.0
1240+36	WB	DRIVING	4	12	12	0.0	5.3	0.0	0.0
1310+78	EB	DRIVING	30	12	12	0.0	0.0	0.0	40.0
1330+34	WB	DRIVING	20	12	12	0.0	0.0	0.0	26.7
1358+45	WB	DRIVING	6	12	12	0.0	8.0	0.0	0.0
1363+83	EB	DRIVING	6	12	12	0.0	8.0	0.0	0.0
1386+55	WB	DRIVING	35	12	12	0.0	0.0	0.0	46.7
1393+00	WB	DRIVING	12	12	12	0.0	0.0	16.0	0.0
1393+00	EB	DRIVING	12	12	12	0.0	0.0	16.0	0.0
1393+20	EB	DRIVING	15	12	12	0.0	0.0	20.0	0.0
1403+42	EB	DRIVING	4	12	12	0.0	5.3	0.0	0.0
1437+12	WB	DRIVING	8	12	12	0.0	10.7	0.0	0.0
<b>SHEET TOTALS</b>						0.0 (sq. yd)	50.7 (sq. yd)	52.0 (sq. yd)	113.3 (sq. yd)

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709	104RS-1	MCLEAN	21	10
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PARTIAL DEPTH PATCH

STATION	DIRECTION	LANE	LENGTH	WIDTH	EXISTING OVERLAY THICKNESS (4 3/4" or less)	PARTIAL DEPTH REMOVAL X4401705	PARTIAL DEPTH PATCHING X4421000
			(ft)	(ft)	(inch)	(sq. yd)	(tons)
1163+94	WB	DRIVING	4	12	2.5	5.3	1.6
1163+66	EB	DRIVING	6	12	2.5	8.0	2.5
1165+30	WB	DRIVING	6	12	2.5	8.0	2.5
1166+49	WB	DRIVING	4	12	2.5	5.3	1.6
1173+95	WB	DRIVING	4	12	2.5	5.3	1.6
1173+95	EB	DRIVING	6	12	2.5	8.0	2.5
1174+45	WB	DRIVING	4	12	2.5	5.3	1.6
1174+45	EB	DRIVING	4	12	2.5	5.3	1.6
1175+49	EB	DRIVING	4	12	2.5	5.3	1.6
1178+09	WB	DRIVING	4	12	2.5	5.3	1.6
1178+09	EB	DRIVING	4	12	2.5	5.3	1.6
1178+44	WB	DRIVING	4	12	2.5	5.3	1.6
1187+09	EB	DRIVING	4	12	2.5	5.3	1.6
1187+09	WB	DRIVING	4	12	2.5	5.3	1.6
1187+75	WB	DRIVING	4	12	2.5	5.3	1.6
1191+97	WB	DRIVING	4	12	2.5	5.3	1.6
1204+16	WB	DRIVING	4	12	2.5	5.3	1.6
1205+41	EB	DRIVING	4	12	2.5	5.3	1.6
1205+57	WB	DRIVING	4	12	2.5	5.3	1.6
1205+72	EB	DRIVING	4	12	2.5	5.3	1.6
1205+72	WB	DRIVING	4	12	2.5	5.3	1.6
1207+19	WB	DRIVING	4	12	2.5	5.3	1.6
1207+19	EB	DRIVING	4	12	2.5	5.3	1.6
1210+94	WB	DRIVING	4	12	2.5	5.3	1.6
1211+18	WB	DRIVING	4	12	2.5	5.3	1.6
1211+18	EB	DRIVING	4	12	2.5	5.3	1.6
1212+43	WB	DRIVING	4	12	2.5	5.3	1.6
1215+30	WB	DRIVING	4	12	2.5	5.3	1.6
1215+30	EB	DRIVING	4	12	2.5	5.3	1.6
1215+66	WB	DRIVING	4	12	2.5	5.3	1.6
<b>SHEET TOTALS</b>						<b>168.0</b>	<b>51.7</b>
						<b>(sq. yd)</b>	<b>(Tons)</b>

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709	(104)RS-1	MCLEAN	21	11
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FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PARTIAL DEPTH PATCH

STATION	DIRECTION	LANE	LENGTH	WIDTH	EXISTING OVERLAY THICKNESS (4 3/4" or less)	PARTIAL DEPTH REMOVAL X4401705	PARTIAL DEPTH PATCHING X4421000
			(ft)	(ft)	(inch)	(sq. yd)	(tons)
1215+81	EB	DRIVING	4	12	2.5	5.3	1.6
1215+81	WB	DRIVING	4	12	2.5	5.3	1.6
1216+84	EB	DRIVING	4	12	2.5	5.3	1.6
1216+84	WB	DRIVING	4	12	2.5	5.3	1.6
1220+50	EB	DRIVING	4	12	2.5	5.3	1.6
1234+05	WB	DRIVING	6	12	2.5	8.0	2.5
1234+23	WB	DRIVING	6	12	2.5	8.0	2.5
1234+23	EB	DRIVING	4	12	2.5	5.3	1.6
1234+50	WB	DRIVING	4	12	2.5	5.3	1.6
1234+82	EB	DRIVING	6	12	2.5	8.0	2.5
1234+82	WB	DRIVING	4	12	2.5	5.3	1.6
1239+56	WB	DRIVING	4	12	2.5	5.3	1.6
1239+57	EB	DRIVING	6	12	2.5	8.0	2.5
1244+32	EB	DRIVING	4	12	2.5	5.3	1.6
1244+32	WB	DRIVING	4	12	2.5	5.3	1.6
1262+92	EB	DRIVING	6	12	2.5	8.0	2.5
1265+94	WB	DRIVING	12	12	2.5	16.0	4.9
1266+00	WB	DRIVING	4	12	2.5	5.3	1.6
1266+12	WB	DRIVING	4	12	2.5	5.3	1.6
1267+26	EB	DRIVING	4	12	2.5	5.3	1.6
1268+00	WB	DRIVING	4	12	2.5	5.3	1.6
1268+00	EB	DRIVING	4	12	2.5	5.3	1.6
1268+43	WB	DRIVING	4	12	2.5	5.3	1.6
1268+43	EB	DRIVING	4	12	2.5	5.3	1.6
1269+29	WB	DRIVING	6	12	2.5	8.0	2.5
1269+78	EB	DRIVING	4	12	2.5	5.3	1.6
1269+29	WB	DRIVING	6	12	2.5	8.0	2.5
1271+66	WB	DRIVING	6	12	2.5	8.0	2.5
1272+97	EB	DRIVING	4	12	2.5	5.3	1.6
1273+96	EB	DRIVING	4	12	2.5	5.3	1.6
<b>SHEET TOTALS</b>						<b>192.0</b>	<b>59.1</b>
						<b>(sq. yd)</b>	<b>(tons)</b>

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	(104)RS-1	MCLEAN	21	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PARTIAL DEPTH PATCH

STATION	DIRECTION	LANE	LENGTH	WIDTH	EXISTING OVERLAY THICKNESS (4 3/4" or less)	PARTIAL DEPTH REMOVAL X4401705	PARTIAL DEPTH PATCHING X4421000
			(ft)	(ft)	(Inch)	(sq. yd)	(tons)
1274+11	EB	DRIVING	6	12	2.5	8.0	2.5
1274+11	WB	DRIVING	4	12	2.5	5.3	1.6
1274+76	WB	DRIVING	12	12	2.5	16.0	4.9
1274+76	EB	DRIVING	4	12	2.5	5.3	1.6
1276+09	WB	DRIVING	4	12	2.5	5.3	1.6
1276+92	WB	DRIVING	4	12	2.5	5.3	1.6
1277+04	WB	DRIVING	4	12	2.5	5.3	1.6
1277+04	EB	DRIVING	4	12	2.5	5.3	1.6
1280+41	WB	DRIVING	4	12	2.5	5.3	1.6
1281+33	WB	DRIVING	4	12	2.5	5.3	1.6
1281+33	EB	DRIVING	4	12	2.5	5.3	1.6
1281+53	WB	DRIVING	6	12	2.5	8.0	2.5
1285+54	WB	DRIVING	4	12	2.5	5.3	1.6
1291+28	EB	DRIVING	15	12	2.5	20.0	6.2
1295+30	WB	DRIVING	6	12	2.5	8.0	2.5
1308+48	WB	DRIVING	20	12	2.5	26.7	8.2
1318+91	WB	DRIVING	4	12	2.5	5.3	1.6
1318+91	EB	DRIVING	4	12	2.5	5.3	1.6
1320+00	WB	DRIVING	4	12	2.5	5.3	1.6
1320+00	EB	DRIVING	4	12	2.5	5.3	1.6
1320+38	WB	DRIVING	4	12	2.5	5.3	1.6
1320+93	WB	DRIVING	6	12	2.5	8.0	2.5
1321+22	WB	DRIVING	4	12	2.5	5.3	1.6
1322+07	WB	DRIVING	4	12	2.5	5.3	1.6
1322+07	EB	DRIVING	4	12	2.5	5.3	1.6
1327+20	EB	DRIVING	30	12	2.5	40.0	12.3
1329+66	WB	DRIVING	4	12	2.5	5.3	1.6
1330+07	WB	DRIVING	4	12	2.5	5.3	1.6
1336+76	EB	DRIVING	6	12	2.5	8.0	2.5
1336+92	EB	DRIVING	6	12	2.5	8.0	2.5
<b>SHEET TOTALS</b>						<b>257.3</b>	<b>79.3</b>
						<b>(sq. yd)</b>	<b>(tons)</b>

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	(104)RS-1	MCLEAN	21	13
TO STA.				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PARTIAL DEPTH PATCH

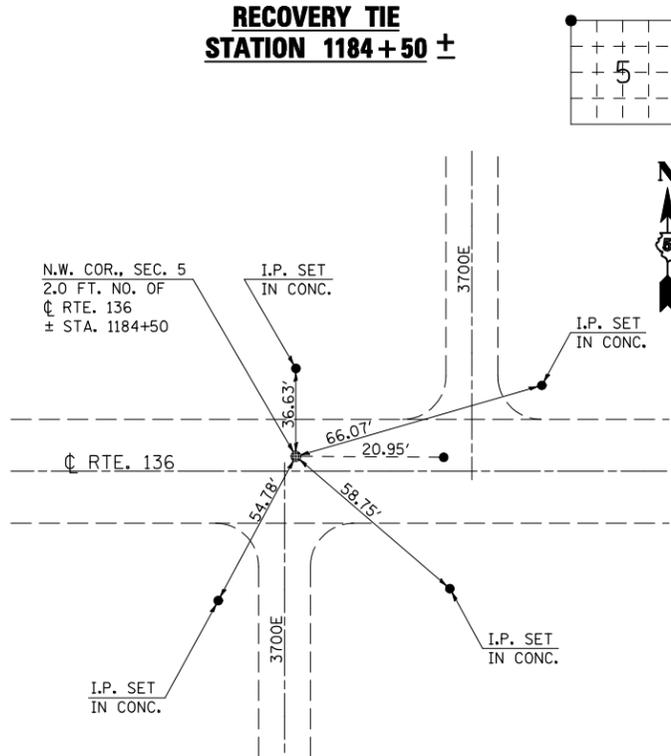
STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	EXISTING OVERLAY THICKNESS (4 3/4" or less) (Inch)	PARTIAL DEPTH REMOVAL X4401705 (sq. yd)	PARTIAL DEPTH PATCHING X4421000 (tons)
1336+99	WB	DRIVING	4	12	2.5	5.3	1.6
1340+25	WB	DRIVING	4	12	2.5	5.3	1.6
1340+25	EB	DRIVING	4	12	2.5	5.3	1.6
1340+56	WB	DRIVING	4	12	2.5	5.3	1.6
1341+06	WB	DRIVING	4	12	2.5	5.3	1.6
1341+06	EB	DRIVING	4	12	2.5	5.3	1.6
1341+28	WB	DRIVING	10	12	2.5	13.3	4.1
1342+35	EB	DRIVING	4	12	2.5	5.3	1.6
1358+45	EB	DRIVING	6	12	2.5	8.0	2.5
1372+51	WB	DRIVING	6	12	2.5	8.0	2.5
1376+52	WB	DRIVING	4	12	2.5	5.3	1.6
1376+88	EB	DRIVING	4	12	2.5	5.3	1.6
1378+21	EB	DRIVING	4	12	2.5	5.3	1.6
1379+33	WB	DRIVING	4	12	2.5	5.3	1.6
1387+34	EB	DRIVING	4	12	2.5	5.3	1.6
1394+74	EB	DRIVING	4	12	2.5	5.3	1.6
1394+74	WB	DRIVING	4	12	2.5	5.3	1.6
1401+35	EB	DRIVING	4	12	2.5	5.3	1.6
1401+78	EB	DRIVING	6	12	2.5	8.0	2.5
1401+90	WB	DRIVING	4	12	2.5	5.3	1.6
1422+95	EB	DRIVING	6	12	2.5	8.0	2.5
1435+65	EB	DRIVING	8	12	2.5	10.7	3.3
1437+12	EB	DRIVING	4	12	2.5	5.3	1.6
1450+13	EB	DRIVING	4	12	2.5	5.3	1.6
1450+64	WB	DRIVING	4	12	2.5	5.3	1.6
1450+64	EB	DRIVING	4	12	2.5	5.3	1.6
		DRIVING		12	2.5	0.0	0.0
		DRIVING		12	2.5	0.0	0.0
		DRIVING		12	2.5	0.0	0.0
		DRIVING		12	2.5	0.0	0.0
<b>SHEET TOTALS</b>						<b>162.7</b> (sq. yd)	<b>50.1</b> (tons)
						<b>PARTIAL DEPTH REMOVAL X4401705 (sq. yd)</b>	<b>PARTIAL DEPTH PATCHING X4421000 (tons)</b>
<b>FINAL TOTALS</b>						<b>780.0</b> (sq. yd)	<b>240.2</b> (tons)

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	(104)RS-1	MCLEAN	21	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

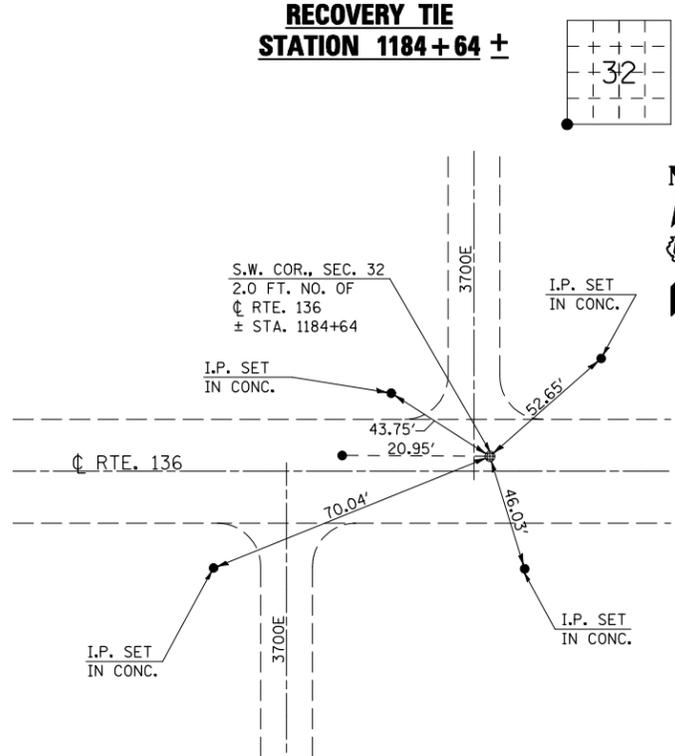
# TIE POINTS

**RECOVERY TIE STATION 1184+50 ±**



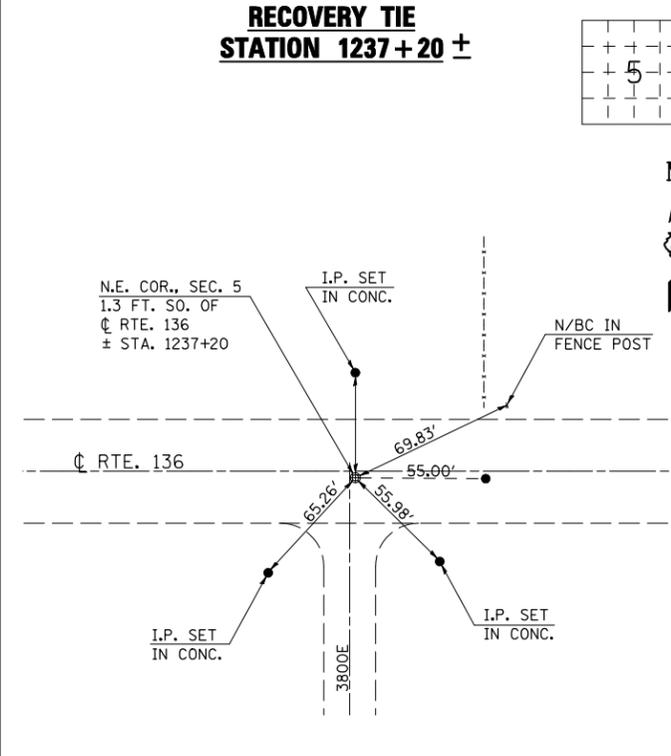
FOUND BRASS DISK  
±2' NO. OF  $\text{C}$  U.S. RTE. 136

**RECOVERY TIE STATION 1184+64 ±**



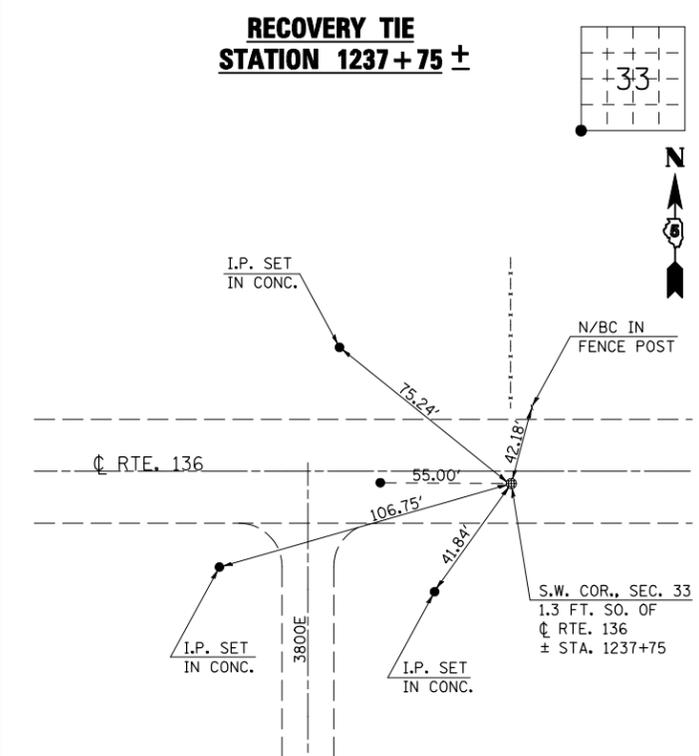
FOUND BRASS DISK  
±2' NO. OF  $\text{C}$  U.S. RTE. 136

**RECOVERY TIE STATION 1237+20 ±**



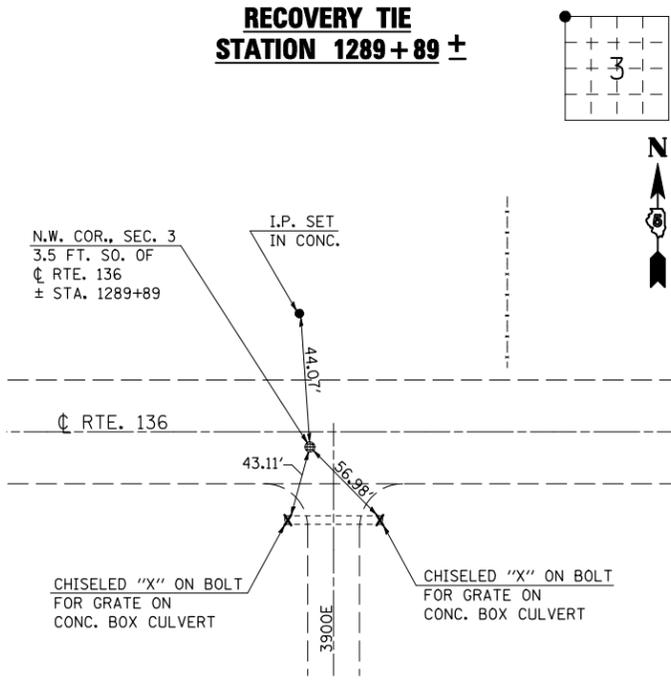
FOUND BRASS ±1' SO.  
OF  $\text{C}$  U.S. RTE. 136

**RECOVERY TIE STATION 1237+75 ±**



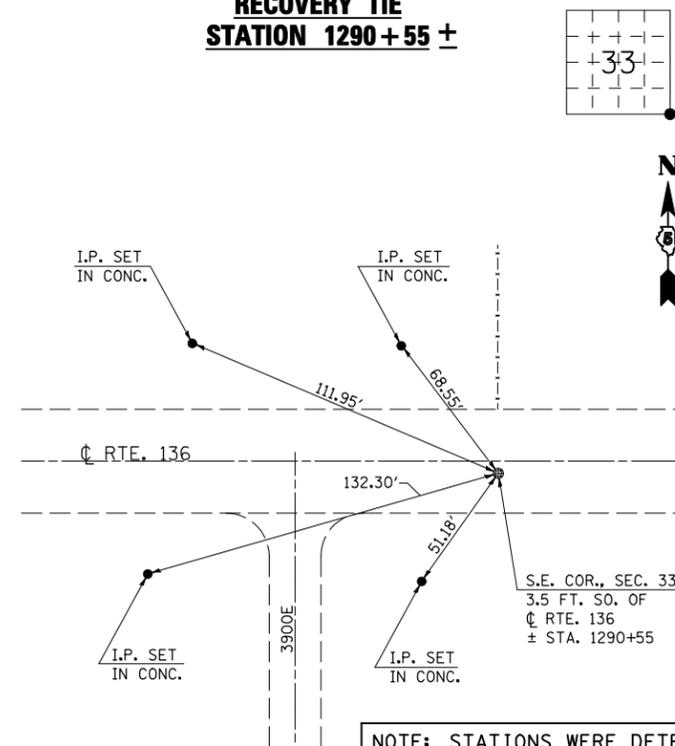
FOUND BRASS DISK ±1' SO.  
OF  $\text{C}$  U.S. RTE. 136

**RECOVERY TIE STATION 1289+89 ±**



FOUND BRASS DISK  
±4' SO. OF  $\text{C}$  U.S. RTE. 136

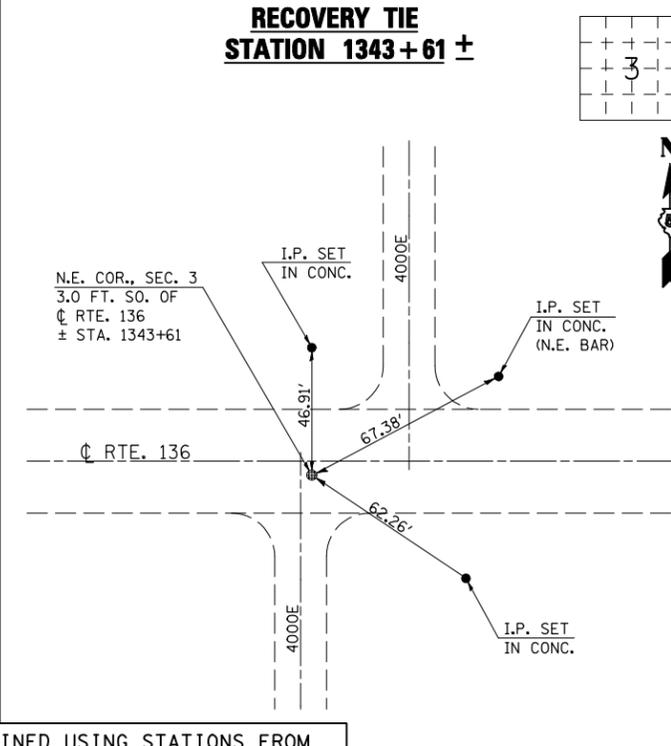
**RECOVERY TIE STATION 1290+55 ±**



NOTE: STATIONS WERE DETERMINED USING STATIONS FROM SIDE ROADS. ALL STATIONS SHOWN ARE APPROXIMATE AND SHOULD BE CONFIRMED WITH DIAGRAMS AND MONUMENT RECORDS.

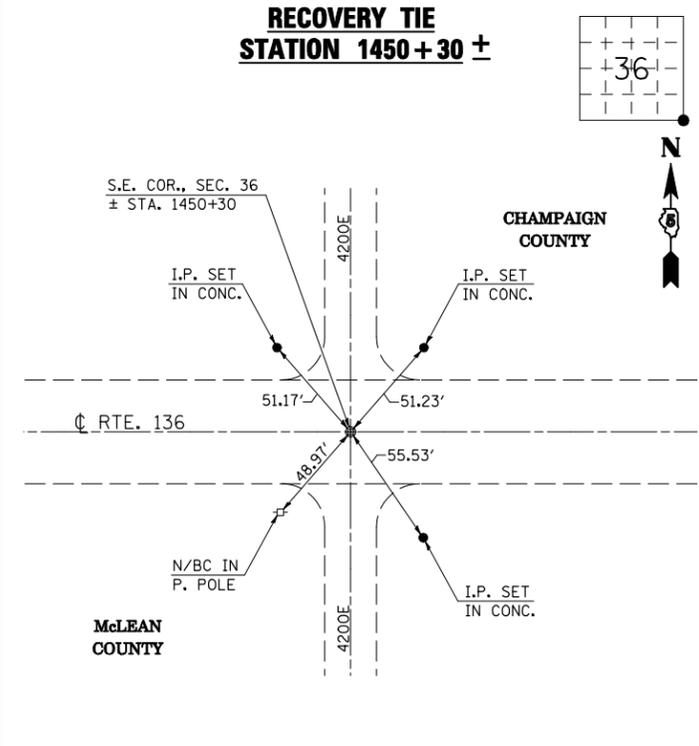
FOUND BRASS DISK  
±3' SO. OF  $\text{C}$  U.S. RTE. 136

**RECOVERY TIE STATION 1343+61 ±**



FOUND BRASS DISK ±2.4' NO.  
OF  $\text{C}$  U.S. RTE. 136

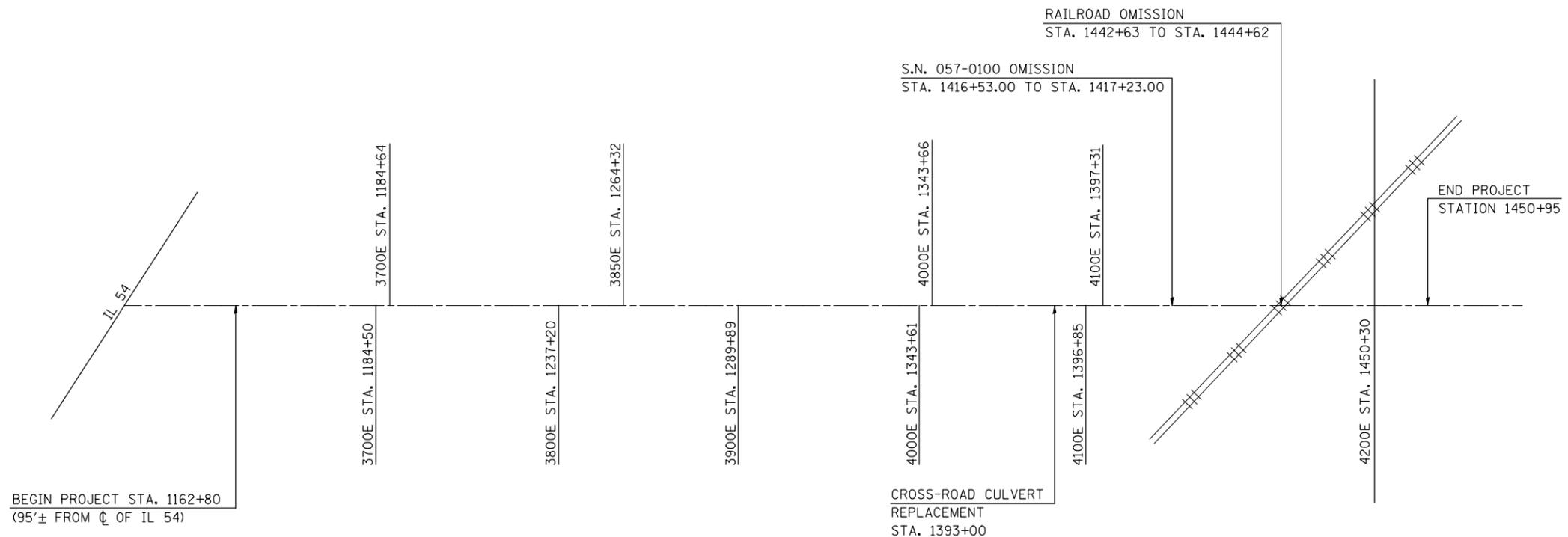
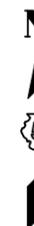
**RECOVERY TIE STATION 1450+30 ±**



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USER NAME = dquintini

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	(104)RS-1	MCLEAN	21	15
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

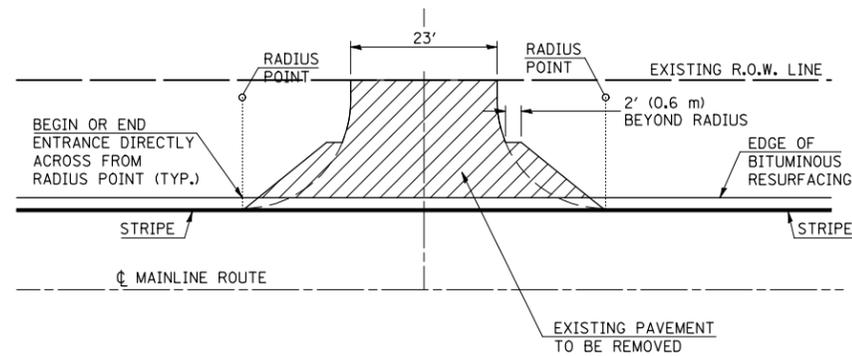
# REFERENCE MAP



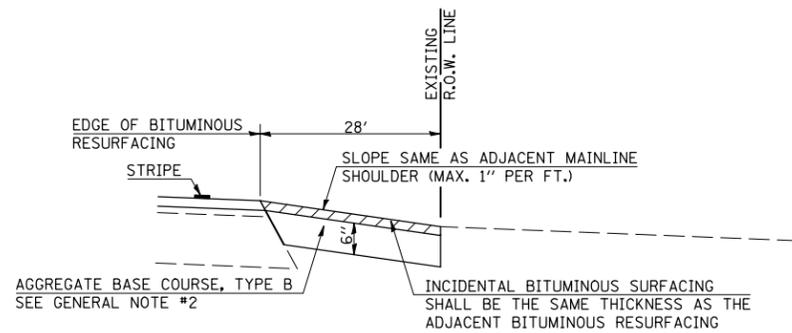
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	(104)RS-1	MCLEAN	21	16
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**SIDE ROAD ENTRANCE AT 4200E  
STATION 1450 + 30.00 LT.**



PLAN



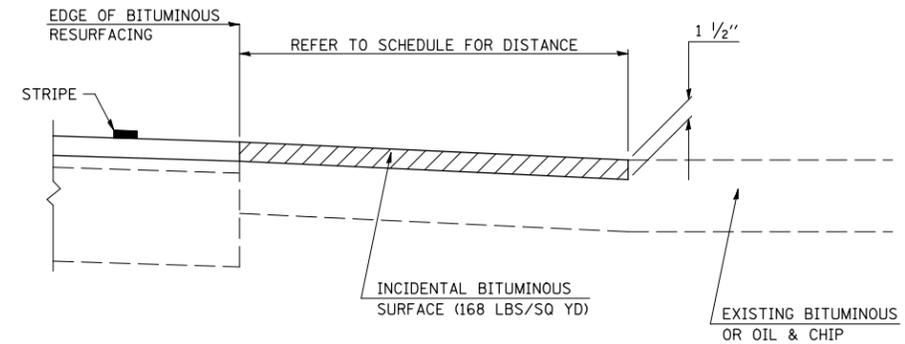
PROFILE

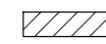
**GENERAL NOTES**

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. MATERIAL SHALL BE USED TO RECONSTRUCT ANY EXISTING RETURN.
3. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' (0.3 m) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
4. ANY NECESSARY WORK BEHIND THE INCIDENTAL BITUMINOUS SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

**PRIVATE ENTRANCE, MAILBOX TURNOUT, OR SIDEROAD**

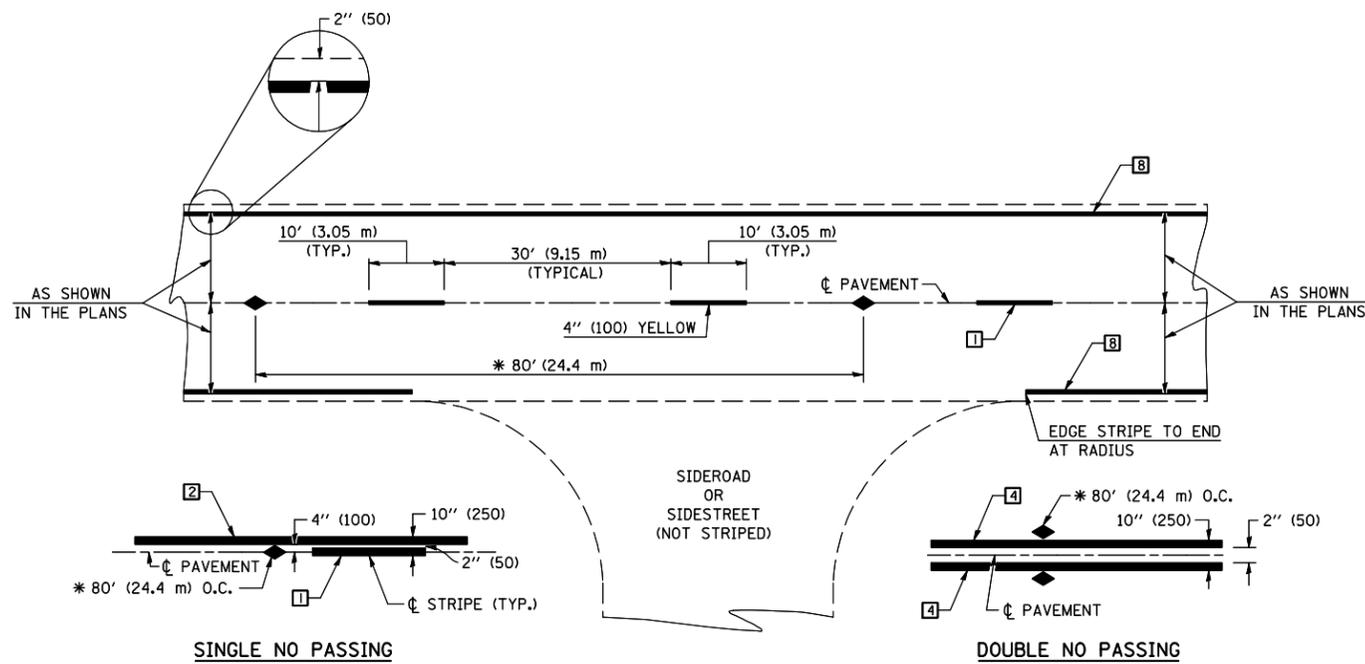
(BITUMINOUS OR OIL & CHIP)



 BITUMINOUS SURFACE REMOVAL (SPECIAL)

**NOTE:** THE INCIDENTAL BITUMINOUS SURFACING IS INTENDED TO RESURFACE THE EXISTING ENTRANCES OR MAILBOX TURNOUTS IN THEIR ENTIRETY. THE EXISTING SIDEROADS SHOULD BE RESURFACED TO MAINTAIN THEIR CURRENT RADII.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	(104)RS-1	MCLEAN	21	17

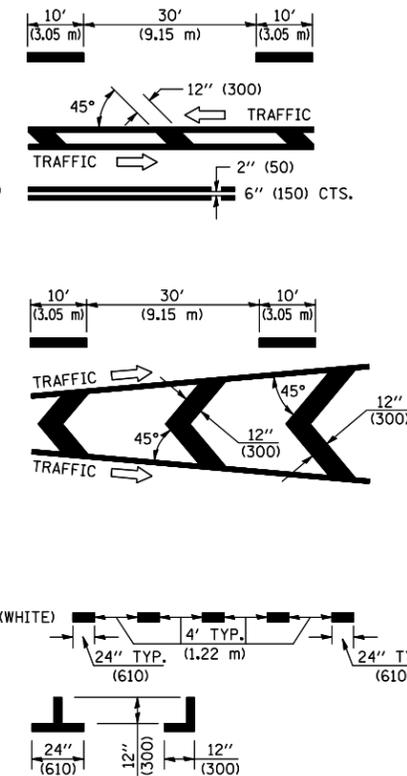


\* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

**TWO LANE/TWO WAY**

**TYPICAL PAVEMENT MARKING LEGEND**

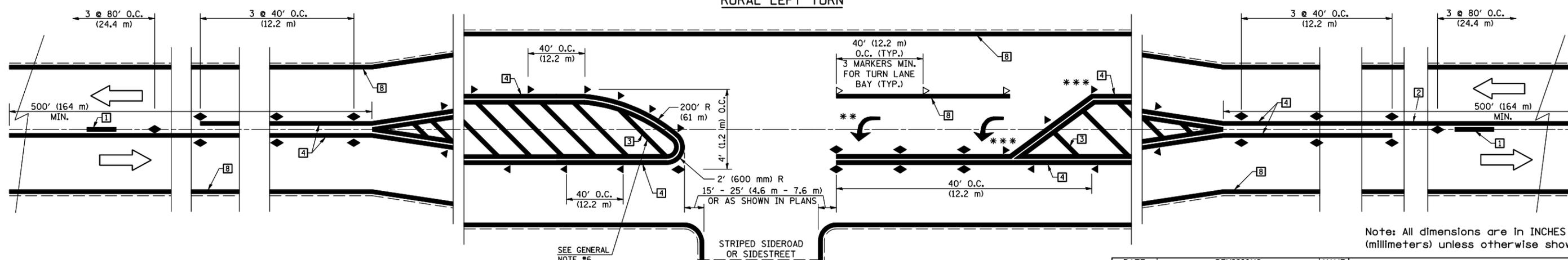
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE



**TYPICAL PAVEMENT MARKERS LEGEND**

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

**RURAL LEFT TURN**



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

\*\*\* REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

\*\* TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB

ILLINOIS DEPARTMENT OF TRANSPORTATION

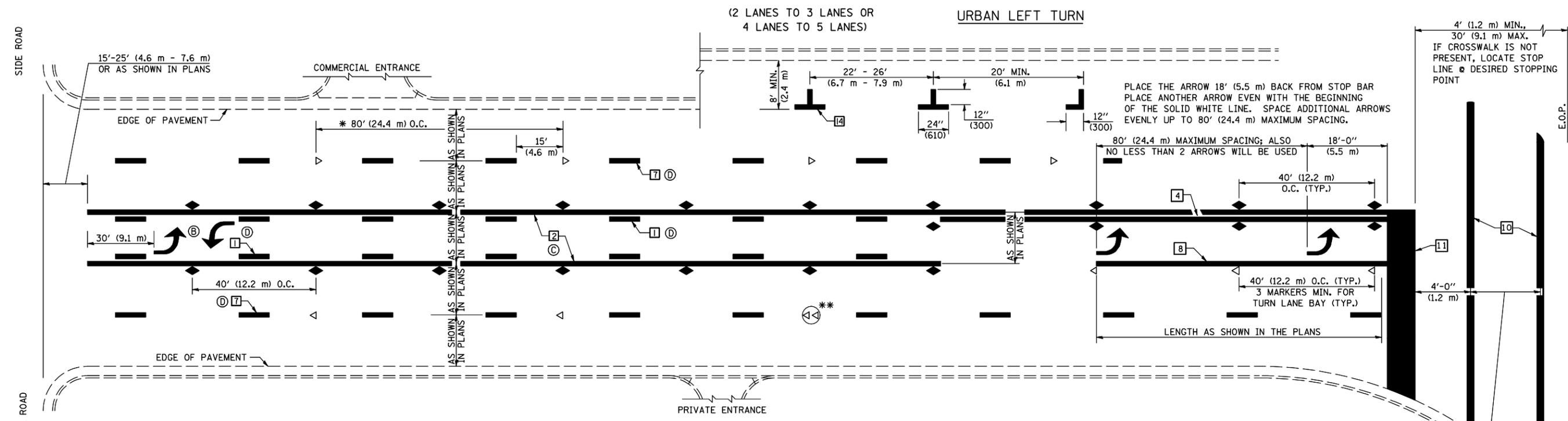
**PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)**

**DISTRICT 5 DETAIL NO. 7800AAAA**

DESIGNER NOTE:

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	(104)RS-1	MCLEAN	21	18

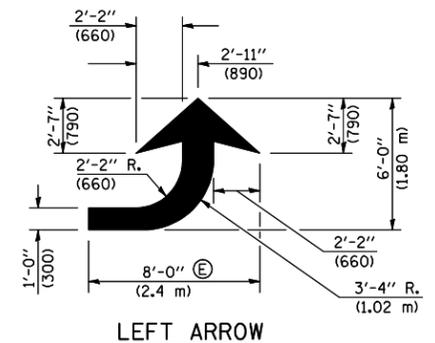


\* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

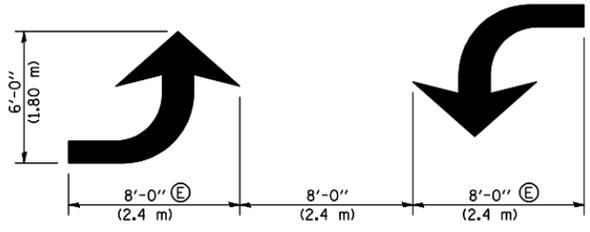
\*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

**GENERAL NOTES:**

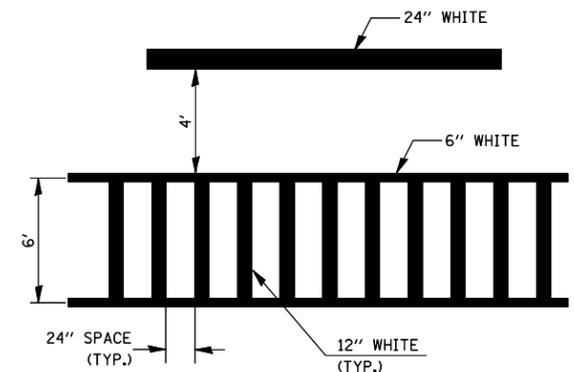
- Ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
- Ⓒ THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- Ⓓ THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
- Ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



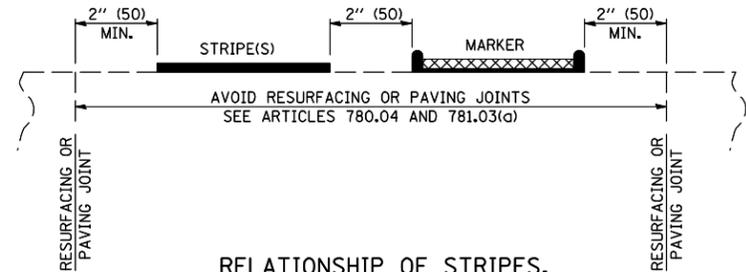
**LEFT ARROW**  
REVERSE FOR RIGHT ARROW  
AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>) (WHITE)



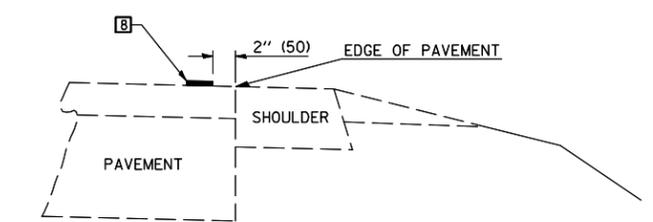
**TYPICAL DOUBLE TURN ARROWS (WHITE)**



**TYPICAL SPACING FOR CROSSWALKS & STOP BARS**



**RELATIONSHIP OF STRIPES, MARKERS AND JOINTS**



**RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT**  
(SAFETY SHOULDER OR PAVED SURFACE)  
SEE ARTICLE 780.04

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

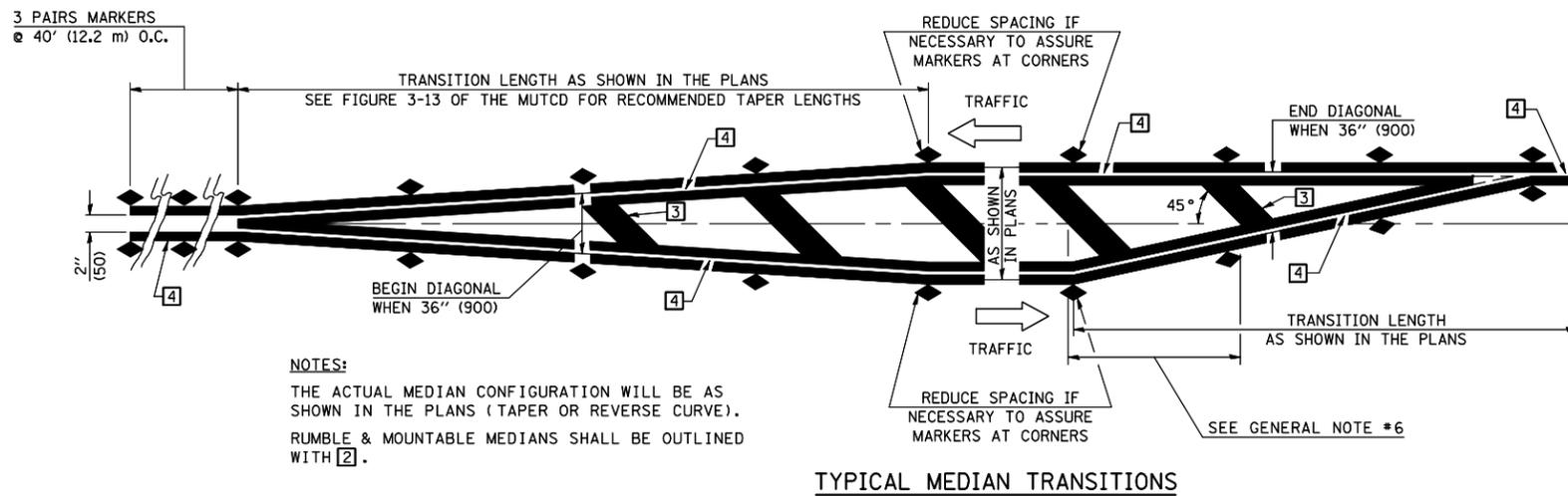
DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)**  
**DISTRICT 5 DETAIL NO. 7800AAA**

DESIGNER NOTE:

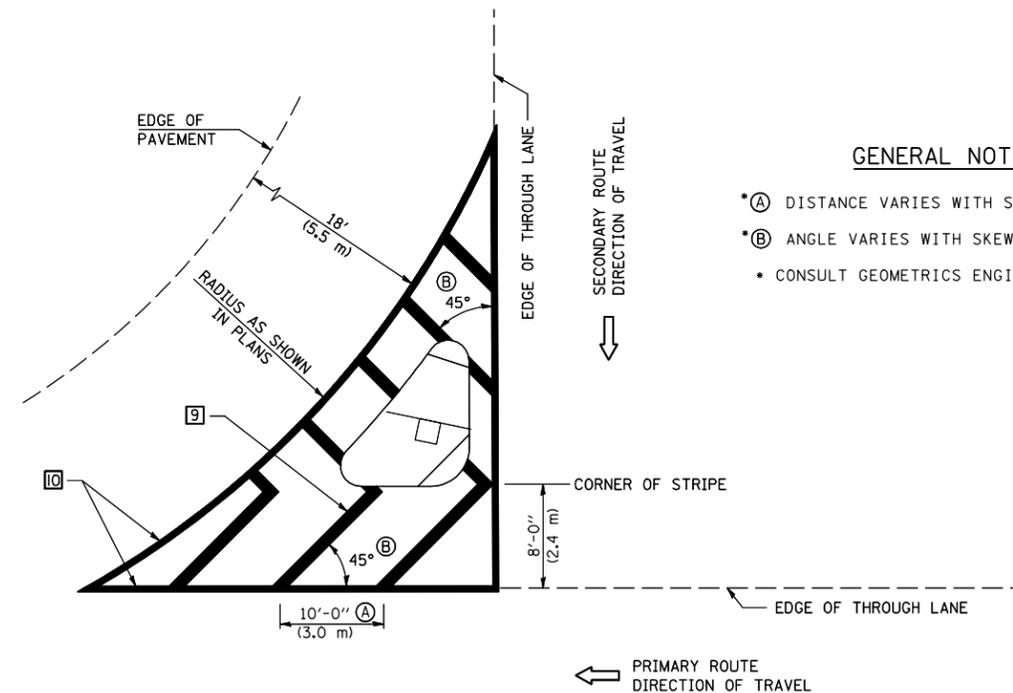
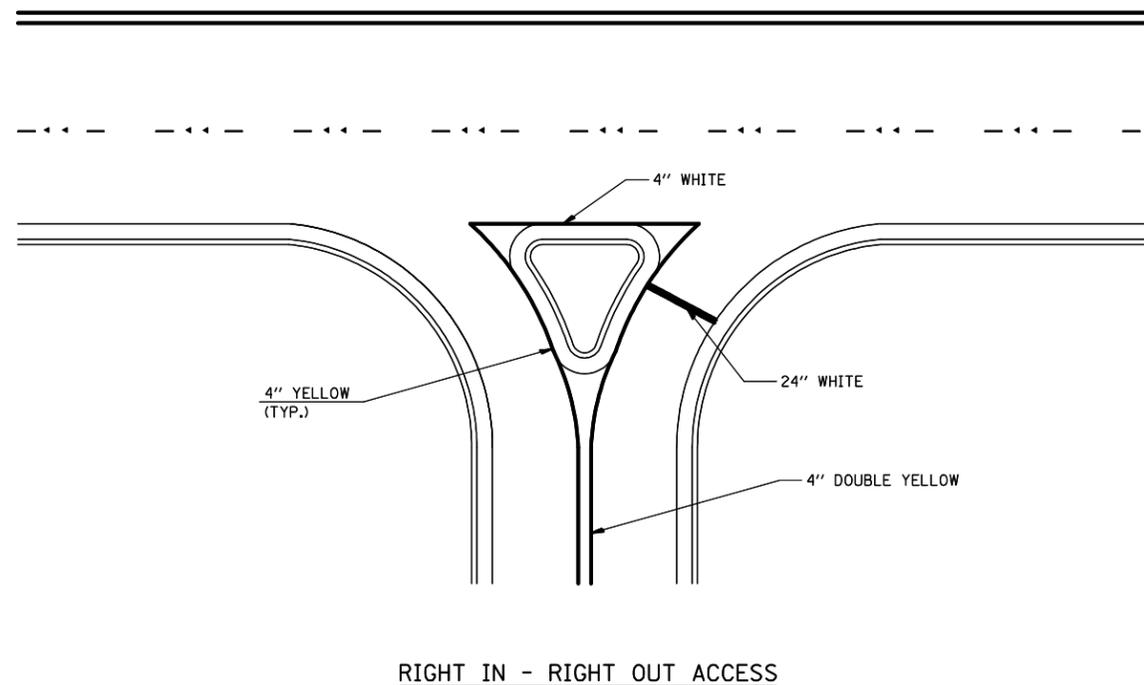
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USER NAME = austinr1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	(104)RS-1	MCLEAN	21	19



**GENERAL NOTES**

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,  
 < 30 MPH USE 15' (< 50 km/h USE 4.5 m)  
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)  
 > 45 MPH USE 30' (> 75 km/h USE 9.0 m)



**GENERAL NOTES**

- \* (A) DISTANCE VARIES WITH SKEW OF INTERSECTION.
- \* (B) ANGLE VARIES WITH SKEW OF INTERSECTION.
- \* CONSULT GEOMETRICS ENGINEER

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)**  
**DISTRICT 5 DETAIL NO. 7800AAAA**

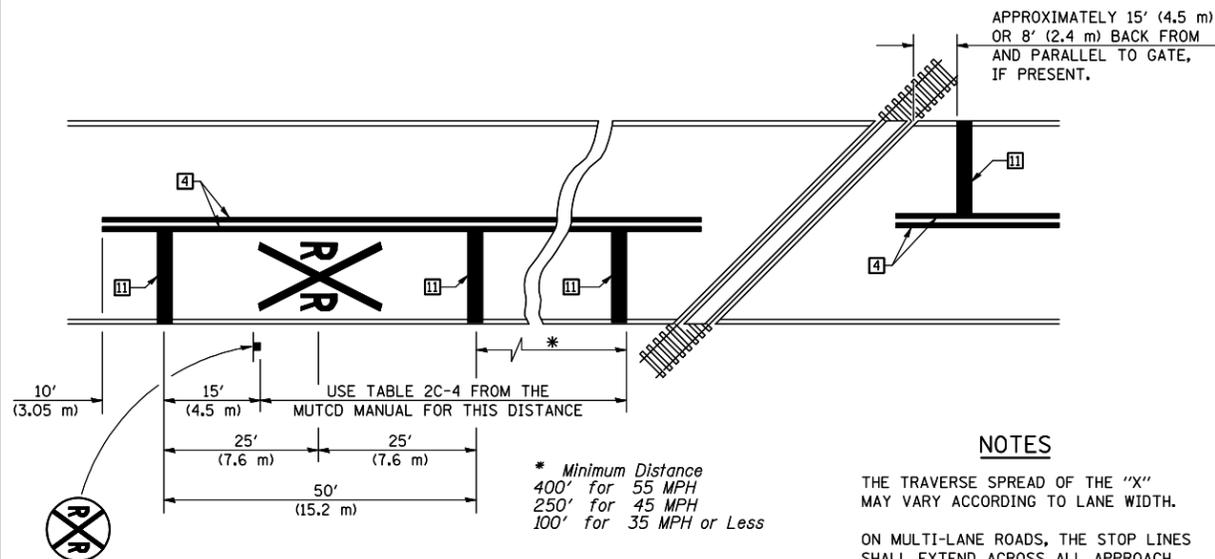
DESIGNER NOTE:

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 PLOT SCALE = 42,352% / IN.  
 USER NAME = austinr1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	(104)RS-1	MCLEAN	21	20

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



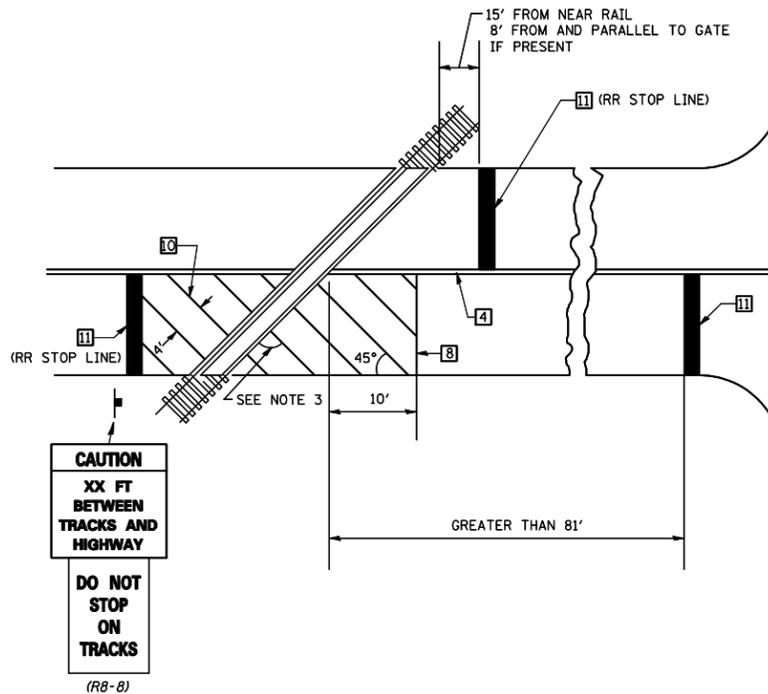
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

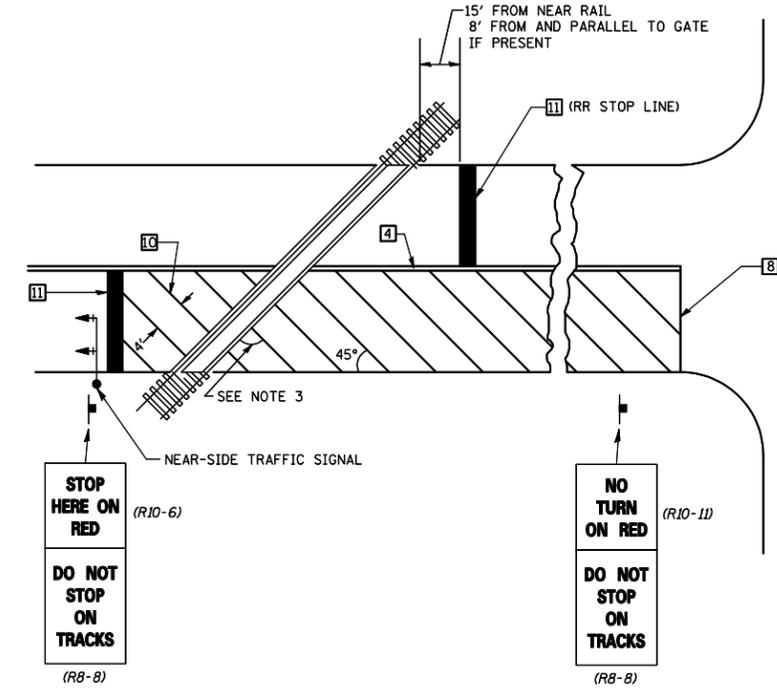
THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

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) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.



(RB-8)



(RB-8)

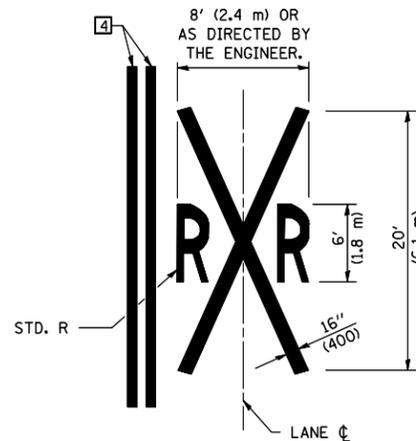
(RB-8)

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.



DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

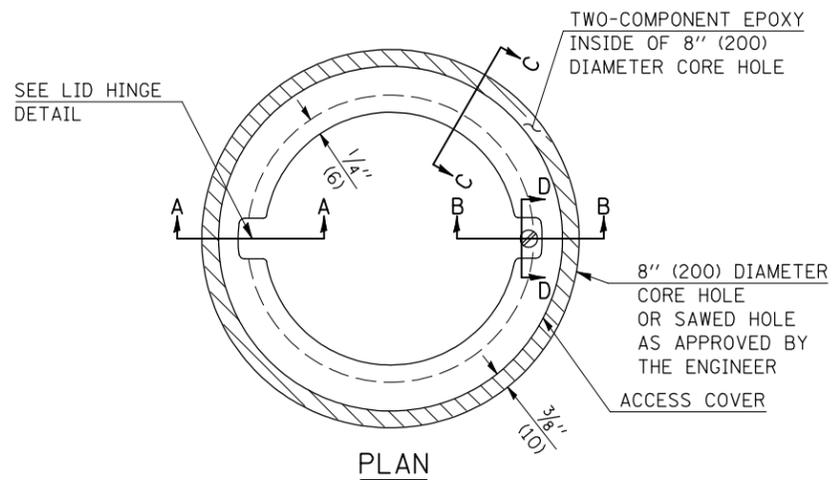
DISTRICT 5 DETAIL NO. 7800AAAA

DESIGNER NOTE:

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 PLOT SCALE = 42.3525 / IN.  
 USER NAME = austinr1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	1104IRS-1	MCLEAN	21	21

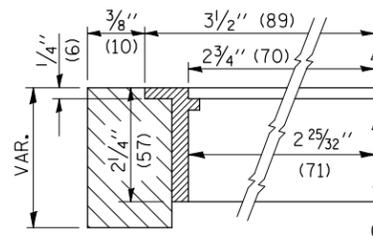
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)



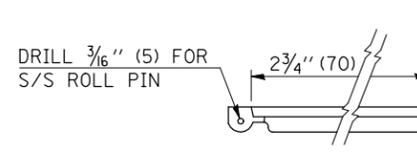
**LEGEND**

- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY

T = THICKNESS OF PAVEMENT STRUCTURE  
 H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)



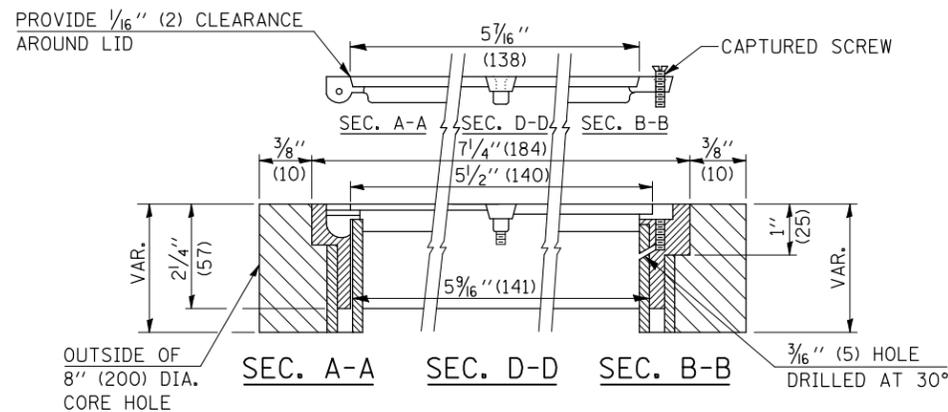
**SECTION C-C**



**LID HINGE DETAIL**

SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; Q0-A-601Es. NO EXCEPTIONS.

RE-BAR-SURVEY MARKER, TYPE I, (SPECIAL) TO BE FURNISHED BY THE CONTRACTOR AND SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR (SEE SPECIAL DETAIL SHEET FOR ALUMINUM TABLET AND RE-BAR SPECIFICATIONS).



**BILL OF MATERIAL**

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40, ALUMINUM TABLET, STAMPED IN ACCORDANCE WITH STANDARD 667101. 5/8" X 48" (#15 X 1.2 m ) RE-BAR, EPOXY AND FA-01/02 AGGREGATE.

**GENERAL NOTES**

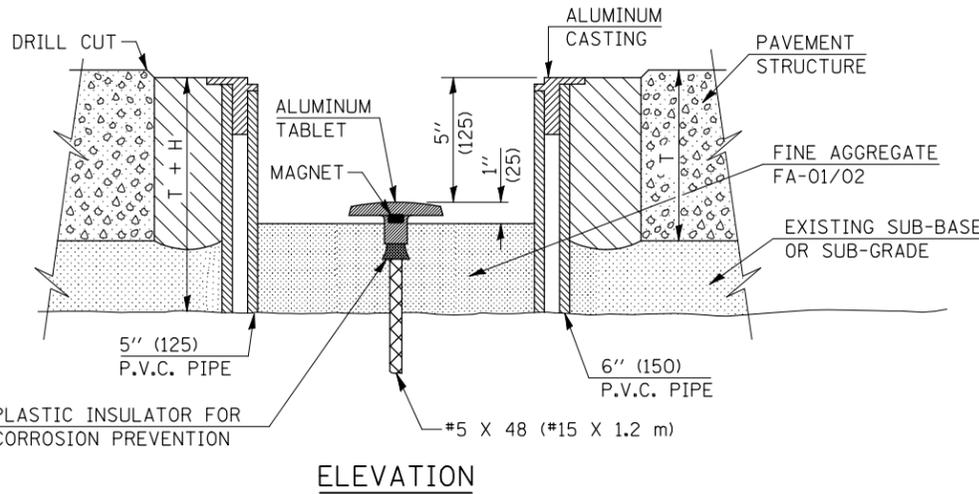
- ALUMINUM CASTING SHALL BE EITHER PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE.
- BACKFILL WITH FINE AGGREGATE - FA-01/02.
- WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
- THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MARKER VAULT WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING, EPOXY AND FA-01/02 AGGREGATE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
- ALL SURVEY MARKER (VAULTS) SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
- THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
11/06	REPLACED DETAIL D-1.04	TJB	<b>SURVEY MARKER VAULT</b>
			<b>DISTRICT 5 DETAIL NO. X0301232</b>

DESIGNER NOTE:

PLOT DATE = 3/25/2009  
 FILE NAME = c:\pva\work\pva\p11001\AUSTINRL\00128975\70508sp1.dgn  
 PLOT SCALE = 4:2,362" / 1"  
 USER NAME = austinr1



**ELEVATION**