

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	1
FED. ROAD DIST. NO. 1	ILLINOIS		FED AID PROJECT	
D-91-308-11 CONTRACT NO. 60N38				

PROPOSED HIGHWAY PLANS

F.A.P 347 IL ROUTE 38
SECTION 4R-RS-8
IL ROUTE 47 TO IL ROUTE 31
RESURFACING (3P)
KANE COUNTY
C-91-308-11

FOR INDEX OF SHEETS, SEE SHEET NO. 2

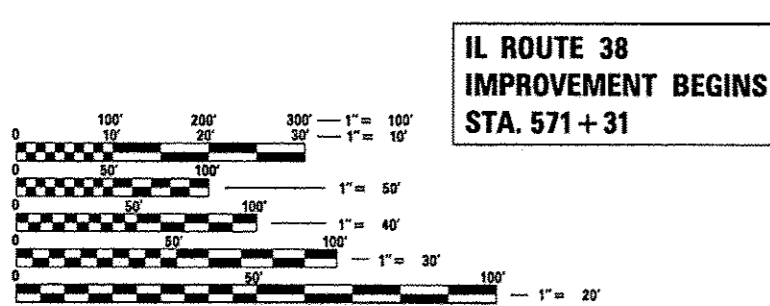
IMPROVEMENT LOCATED WITHIN
THE VILLAGE OF ELBURN, CITY OF
ST. CHARLES, CITY OF GENEVA,
AND UNINCORPORATED KANE COUNTY

TRAFFIC DATA

IL ROUTE 38 (MAJOR ARTERIAL)
2013 ADT = 8,400 - 22,400
SPEED LIMIT = 55 MPH (IL 47 TO PECK RD)
VARIES 25-50 MPH (PECK RD TO IL 31)

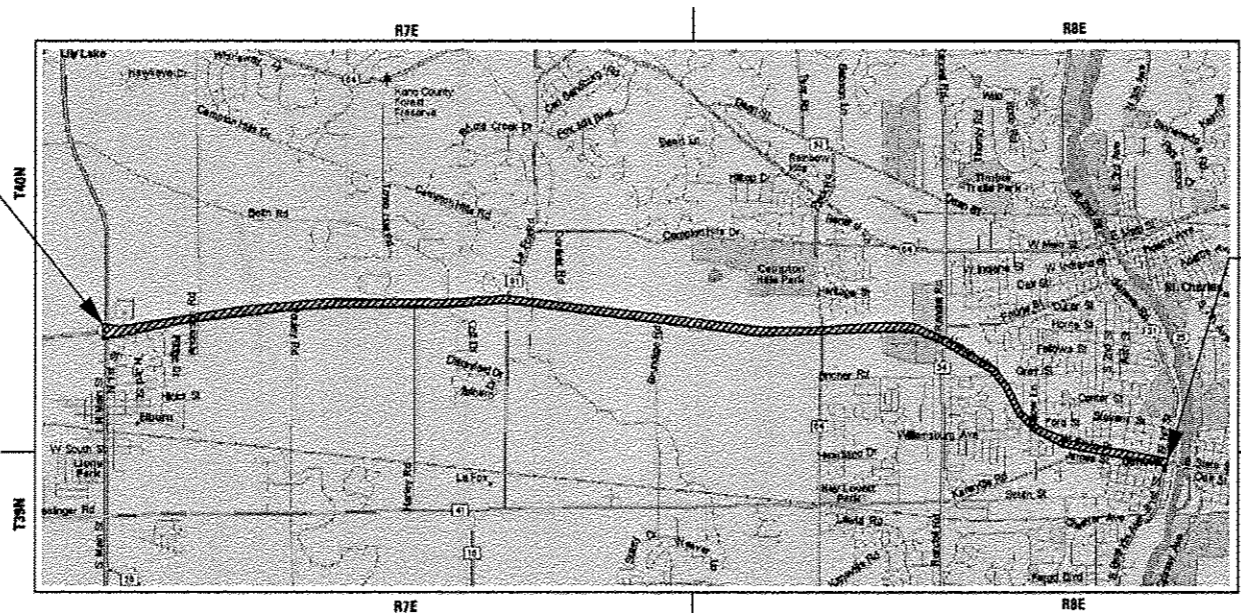


LOCATION OF SECTION INDICATED THUS: [Symbol]

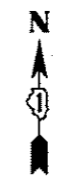


IL ROUTE 38
IMPROVEMENT BEGINS
STA. 571 + 31

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.



IL ROUTE 38
IMPROVEMENT ENDS
STA. 1046 + 95



Call Before You Dig
JULIE
ILLINOIS ONE-CALL SYSTEM

CONTACT JULIE AT 811 OR 800-892-0123
WITH THE FOLLOWING:
COUNTY = KANE
CITY-TWNSHP. = CAMPTON, ST. CHARLES & GENEVA
SEC. & 1/4 SEC. NO. = 32,33,34,35,36,31,32,33,4,3
48 HOURS (2 working days) BEFORE YOU DIG

CAMPTON, ST. CHARLES AND GENEVA TOWNSHIP
GROSS LENGTH OF IMPROVEMENT = 47,564 LF OR 9.008 MILES
NET LENGTH OF IMPROVEMENT = 47,564 LF OR 9.008 MILES

TODD L. HOFFMAN
62-058724
LICENSED PROFESSIONAL ENGINEER
OF ILLINOIS
PROJECT ENGINEER
"LICENSE EXPIRES 11-30-15"

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED May 21 2014
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 27 2014
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

June 27 2014
[Signature]
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

DISTRICT ONE -
PROJECT MANAGER: KEN ENG (847) 705-4247 (IDOT)
PROJECT ENGINEER: ROBERT LENZINI (815) 459-1260 (BAXTER & WOODMAN)
CONTRACT NO. 60N38

BAXTER & WOODMAN
Consulting Engineers

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS
3 - 4	SUMMARY OF QUANTITIES
5 - 7	EXISTING AND PROPOSED TYPICAL SECTIONS
8 - 24	ROADWAY PLANS
25 - 41	PAVEMENT MARKING PLANS
43 - 53	DISTRICT ONE - DETECTOR LOOP REPLACEMENT
54	(BD-08) FRAMES AND LIDS ADJUSTMENT WITH MILLING; AND FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING
55	(BD-22) PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
56	(BD-24) CURB OR CURB AND CUTTER REMOVAL AND REPLACEMENT
57	(BD-32) BUTT JOINT AND HMA TAPER DETAILS
58	(BD55) RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY
59	(TC-10) TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
60	(TC-11) TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
61	(TC-13) TYPICAL PAVEMENT MARKINGS
62	(TC-14) TRAFFIC CONTROL AND PROTECTION OF TURN BAYS/TO REMAIN OPEN TO TRAFFIC
63	(TC-16) PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
64	(TC-22) ARTERIAL ROAD INFORMATION SIGNING
65	(TS-07) DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND THE "MANUAL OF TEST PROCEDURES FOR MATERIALS".
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. 48 HOUR NOTIFICATION REQUIRED.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF ST. CHARLES, THE CITY OF GENEVA AND THE VILLAGE OF ELBURN.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS UNLESS OTHERWISE SPECIFIED.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF MILLING IS SLOPED AT A MINIMUM OF 1/3 (%).
- THE ENGINEER SHALL CONTACT DON CHIARUGI, THE AREA TRAFFIC FIELD ENGINEER, AT (847) 741-9857 A MINIMUM OF TWO (2) WEEKS PRIOR TO INSTALLATION OF PERMANENT PAVEMENT MARKINGS. THE RESIDENT ENGINEER IS RESPONSIBLE FOR RECORDING EXISTING PAVEMENT MARKINGS PRIOR TO HMA SURFACE REMOVAL.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
- BEFORE BEGINNING WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- WHEN CONSTRUCTION OPERATIONS ON TWO-LANE ROADS OPEN TO TRAFFIC RESULT IN THE REMOVAL OR COVERING OF ANY PAVEMENT MARKING INDICATING PASSING RESTRICTIONS, "NO PASSING ZONES STRIPED NEXT MILES" SIGNS SHALL BE USED. THE CONTRACTOR SHALL PLACE THE SIGNS AT THE BEGINNING OF THE UNSTRIPED AREA, JUST BEYOND EACH MAJOR INTERSECTION WITHIN THE UNSTRIPED AREA, AND AT SUCH LOCATIONS AS THE ENGINEER MAY DIRECT TO ENSURE A MINIMUM SPACING OF FIVE MILES.
- THE CONTRACTOR SHALL NOTIFY THE CITY AND VILLAGE PUBLIC WORKS ADMINISTRATORS AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN CITY AND VILLAGE UTILITY LOCATIONS AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.
- FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, CUTTER, COMBINATION CURB & GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLANS.

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
442201-03	CLASS C AND D PATCHES
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701011-04	OFF-RD 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
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS > 45 MPH
701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS > 45 MPH
701427-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE 2L, 2W, UNDIVIDED
701606-09	URBAN LANE CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	LANE CLOSURE MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-03	TRAFFIC CONTROL DEVICES
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

DISTRICT ONE DETAILS

BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING; AND FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BD-55	RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION OF TURN BAYS/TO REMAIN OPEN TO TRAFFIC
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGNING
TS-07	DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS PROJECT.

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - CJC	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 UPDATE
DATE - 12-17-10	FILE - 100153-WQ-17-GEN-NOTE.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-B	KANE	65	2
C-91-308-11			CONTRACT NO. 60N38	
SCALE:		STA.	TO STA.	
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

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SUMMARY OF QUANTITIES			100% STATE CONSTRUCTION TYPE CODE	
CODE NO.	ITEM DESCRIPTION	UNIT	URBAN TOTAL QUANTITY	0005 QUANTITY
21101815	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	88	88
25200110	SODDING, SALT TOLERANT	SQ YD	88	88
25200200	SUPPLEMENTAL WATERING	UNIT	6	6
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	250	250
40600895	CONSTRUCTING TEST STRIP	EACH	2	2
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,407	1,407
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	412	412
40800827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	9,639	9,639
40803595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	22,889	22,889
42001300	PROTECTIVE COAT	SQ YD	121	121
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	227,459	227,459
44002214	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3 1/2"	SQ YD	2,046	2,046
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	475	475
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	130	130
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	1,100	1,100

* INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES			100% STATE CONSTRUCTION TYPE CODE	
CODE NO.	ITEM DESCRIPTION	UNIT	URBAN TOTAL QUANTITY	0005 QUANTITY
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	7,710	7,710
60250200	CATCH BASINS TO BE ADJUSTED	EACH	7	7
60251500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	1	1
60403800	LIDS, TYPE 1, CLOSED LID	EACH	2	2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7	7
67100100	MOBILIZATION	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	87,816	87,816
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	5,520	5,520
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	312,046	312,046

* INDICATES SPECIALTY ITEM



DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - LKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 UPDATE
DATE - 12-17-10	FILE - 100153-WO-17-500.dwg

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
SUMMARY OF QUANTITIES

SCALE: STA. TO STA.

REV.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	3
C-91-308-11			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

3/15 2 12

100% STATE

SUMMARY OF QUANTITIES			URBAN		CONSTRUCTION TYPE CODE	
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0005 QUANTITY		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	31,912	31,912		
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	3,590	3,590		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	9,772	9,772		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	3,906	3,906		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	9,758	9,758		
* 78000100	THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	2,760	2,760		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	132,787	132,787		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	15,956	15,956		
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1,795	1,795		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	4,886	4,886		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1,953	1,953		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2,243	2,243		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1,228	1,228		
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	5,545	5,545		
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	179	179		

* INDICATES SPECIALTY ITEM

100% STATE

SUMMARY OF QUANTITIES			URBAN		CONSTRUCTION TYPE CODE	
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0005 QUANTITY		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	103	103		
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	523	523		
X0326898	CENTER LINE - RUMBLE STRIP - 18"	FOOT	27,134	27,134		
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	609	609		
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	180,524	180,524		
X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	8,154	8,154		
X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	8,154	8,154		
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	84	84		
X7800815	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	23,236	23,236		
Z0100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	132	132		
X0325222	WEED CONTROL, BASAL TREATMENT	GALLON	2	2		
Z0064800	SELECTIVE CLEARING	UNIT	20	20		
Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500		

* INDICATES SPECIALTY ITEM

0042

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
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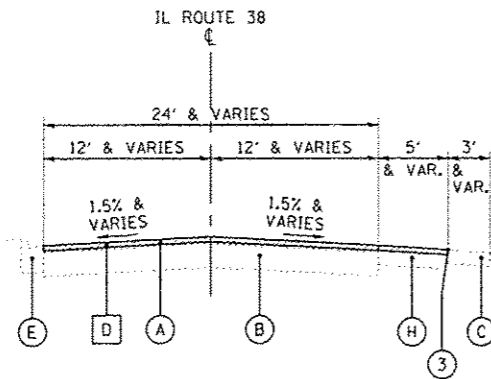
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
SUMMARY OF QUANTITIES

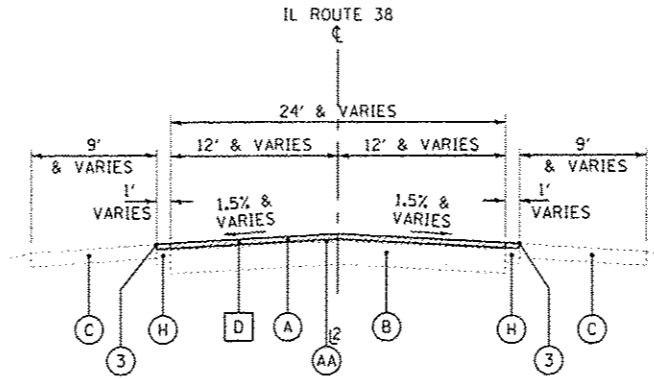
SCALE: STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-B	KANE	65	4
C-91-308-11			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

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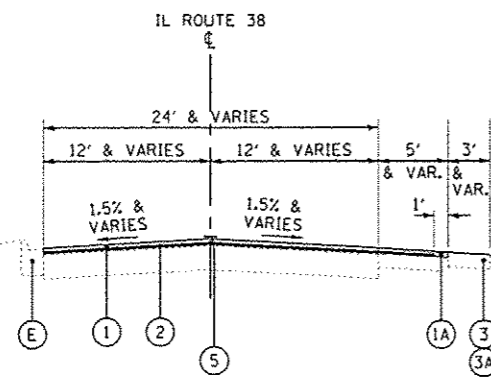


EXISTING TYPICAL SECTION
IL ROUTE 38
 STA 571+31 TO STA 577+53
 STA 833+60 TO STA 838+16

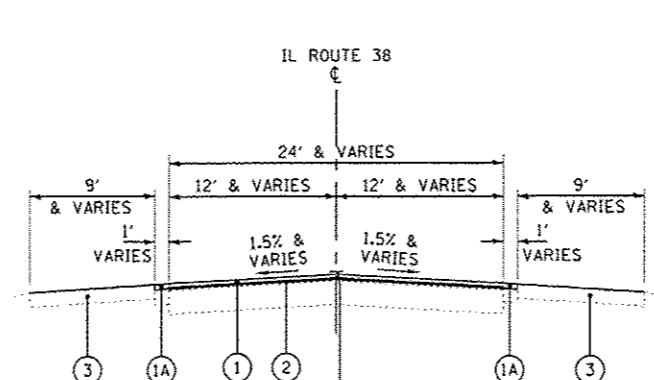


EXISTING TYPICAL SECTION
IL ROUTE 38
 STA 577+53 TO STA 833+60
 STA 838+16 TO STA 916+42

2 STA 909+02 TO STA 916+42



PROPOSED TYPICAL SECTION
IL ROUTE 38
 STA 571+31 TO STA 577+53
 STA 833+60 TO STA 838+16



PROPOSED TYPICAL SECTION
IL ROUTE 38
 STA 577+53 TO STA 833+60
 STA 838+16 TO STA 916+42

LEGEND

- (A) EXISTING HMA SURFACE, 4"±
- (AA) EXISTING HMA BINDER, THICKNESS VARIES
- (B) EXISTING PCC BASE, 10"±
- (BB) EXISTING BRICK, 4"± AND EXISTING COMPOSITE AGGREGATE MATERIAL, 4"±
- (C) EXISTING AGGREGATE SHOULDER, 6"±
- (D) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (F) COMBINATION CONCRETE CURB AND GUTTER, REMOVAL AND REPLACEMENT (AS DETERMINED BY THE ENGINEER)
- (G) NOT USED
- (H) EXISTING PAVED SHOULDERS
- (I) EXISTING PCC SIDEWALK
- (J) ITEM TO BE REMOVED
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm) - 1 3/4"
- (1A) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm) - 2 1/2"
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, NS0 - 3/4"
- (3) GRADING AND SHAPING SHOULDERS
- (3A) AGGREGATE WEDGE SHOULDER, TYPE B
- (4) TOPSOIL FURNISH AND PLACE-4" (AS DETERMINED BY THE ENGINEER)
 SODDING, SALT TOLERANT (AS DETERMINED BY THE ENGINEER)
- (5) CENTER LINE - RUMBLE STRIP - 16"

NOTE:
 THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS Ndes	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5mm); 1 3/4", 2 1/2"	4% @ 90 GYR.	PFP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, NS0; 3/4"	3.5% @ 50 GYR.	PFP
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.	QC/OA
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR.	QC/OA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); PAY FOR PERFORMANCE (PFP)		

MIXTURE NOTES:
 1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SO. YD./IN.
 2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
 FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
 QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

PROJECT: ILL. STATE HIGHWAY 38, BIRMINGHAM, AL. CONTRACT NO. 60N38. SHEET NO. 5 OF 65. DATE: 12-17-10. DRAWN BY: CJC. CHECKED BY: RWL. DESIGNED BY: TLH. REVISIONS: 10-22-12 IDOT REVIEW, 5-12-14 UPDATE, 6-6-14 IDOT REVIEW, 10-01-14 UPDATE.



DESIGNED	TLH	REVISED	10-22-12 IDOT REVIEW
DRAWN	CJC	REVISED	5-12-14 UPDATE
CHECKED	RWL	REVISED	6-6-14 IDOT REVIEW
DATE	12-17-10	FILE	100153-WO-17-TYPSEC.dwg

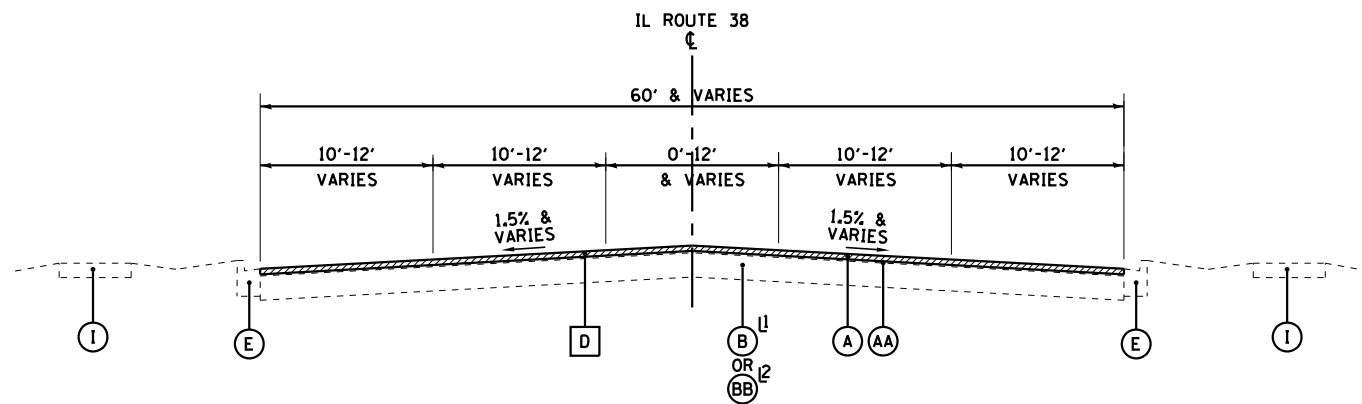
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 TYPICAL SECTIONS

SCALE: NONE

STA. TO STA.

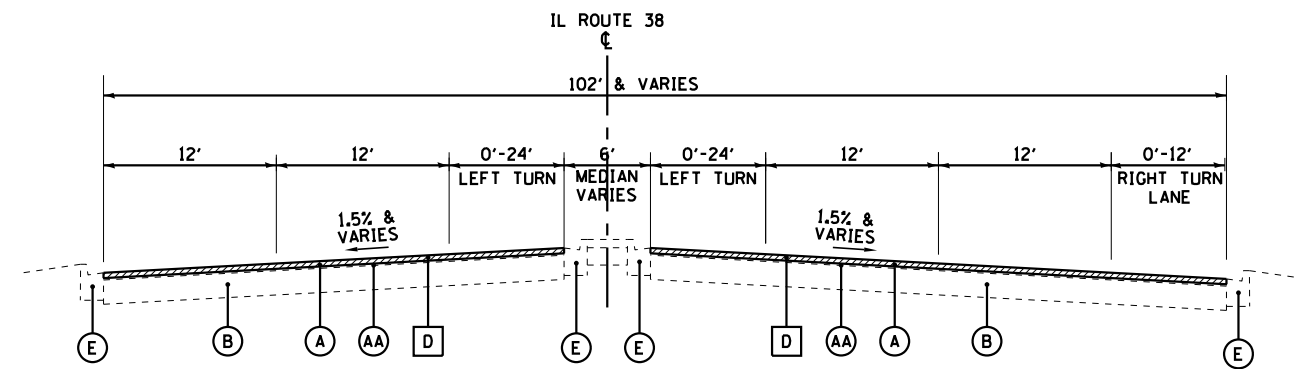
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-B	KANE	65	5
C-91-308-11			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION

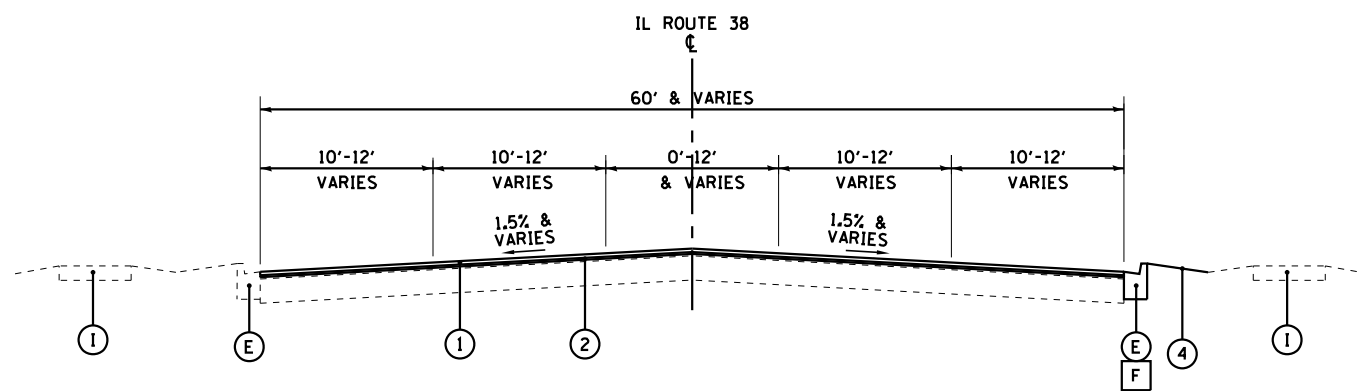
IL ROUTE 38
 STA 916+42 TO STA 924+48
 STA 945+57 TO STA 1020+04

1 STA 916+42 TO STA 924+48
 STA 945+57 TO STA 1006+00
 2 STA 1006+00 TO STA 1020+04



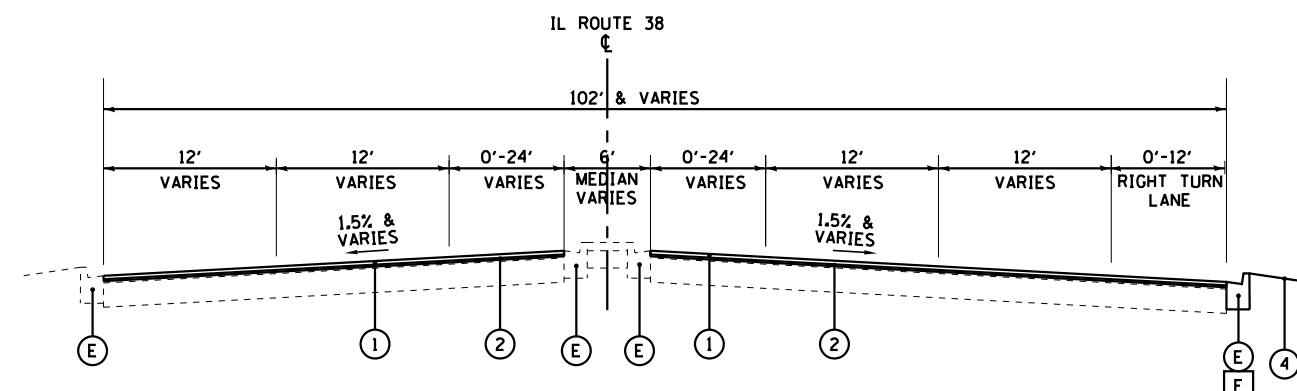
EXISTING TYPICAL SECTION

IL ROUTE 38
 STA 924+48 TO STA 945+57



PROPOSED TYPICAL SECTION

IL ROUTE 38
 STA 916+42 TO STA 924+48
 STA 945+57 TO STA 1020+04



PROPOSED TYPICAL SECTION

IL ROUTE 38
 STA 924+48 TO STA 945+57

LEGEND

- (A) EXISTING HMA SURFACE, 4"±
- (AA) EXISTING HMA BINDER, THICKNESS VARIES
- (B) EXISTING PCC BASE, 10"±
- (BB) EXISTING BRICK, 4"± AND EXISTING COMPOSITE AGGREGATE MATERIAL, 4"±
- (C) EXISTING AGGREGATE SHOULDER, 6"±
- (D) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (F) COMBINATION CONCRETE CURB AND GUTTER, REMOVAL AND REPLACEMENT (AS DETERMINED BY THE ENGINEER)
- (G) NOT USED
- (H) EXISTING PAVED SHOULDERS
- (I) EXISTING PCC SIDEWALK
- [Hatched Box] ITEM TO BE REMOVED
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm) - 1 3/4"
- (1A) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm) - 2 1/2"
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (3) GRADING AND SHAPING SHOULDERS
- (3A) AGGREGATE WEDGE SHOULDER, TYPE B
- (4) TOPSOIL FURNISH AND PLACE-4" (AS DETERMINED BY THE ENGINEER)
 SODDING, SALT TOLERANT (AS DETERMINED BY THE ENGINEER)
- (5) CENTER LINE - RUMBLE STRIP - 16"

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - CJC	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 UPDATE
DATE - 12-17-10	FILE - 100153-WO-17-TYPSEC.sht

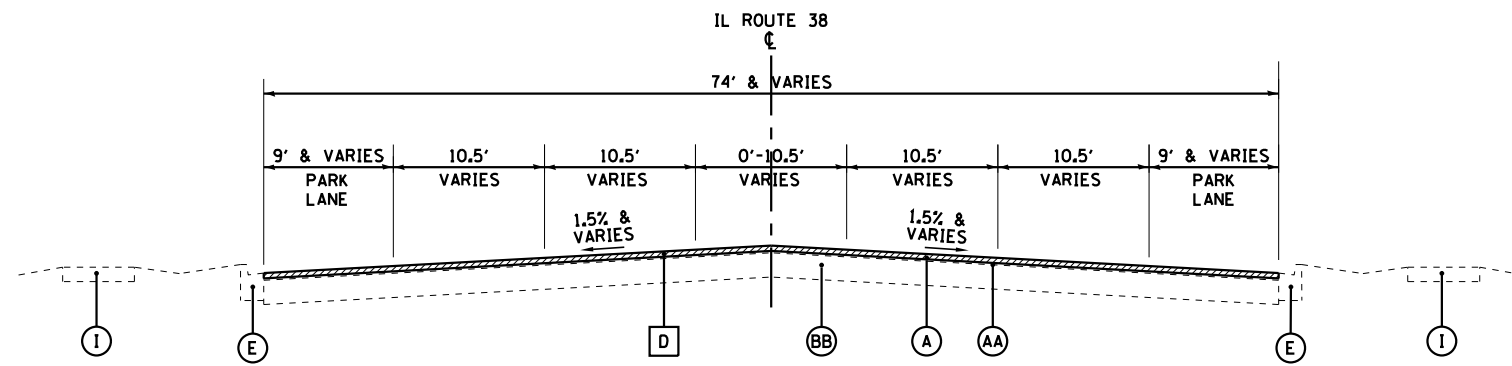
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
TYPICAL SECTIONS

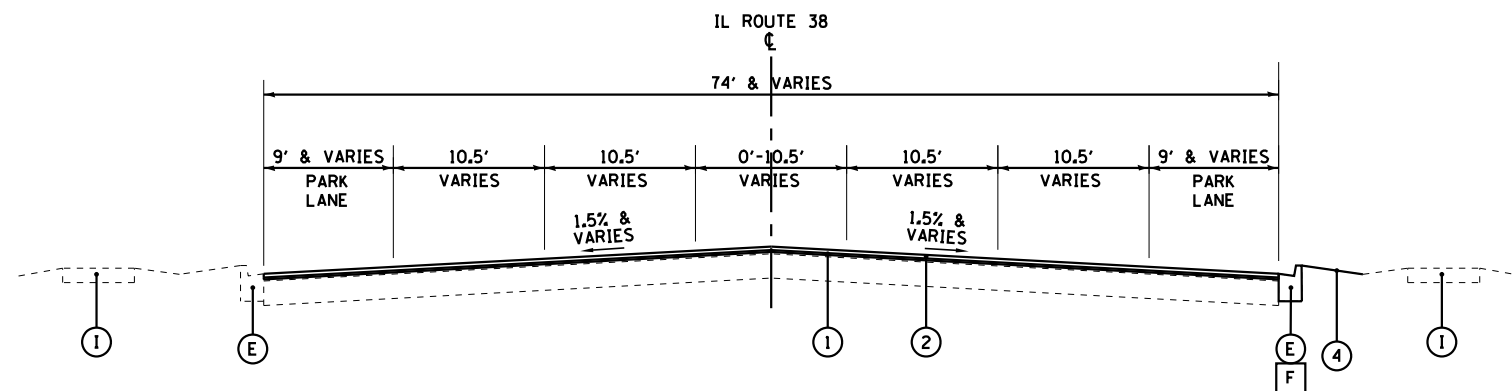
SCALE: NONE

STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	6
C-91-308-11			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



EXISTING TYPICAL SECTION
IL ROUTE 38
 STA 1020+04 TO STA 1047+66



PROPOSED TYPICAL SECTION
IL ROUTE 38
 STA 1020+04 TO STA 1047+66

LEGEND

- (A) EXISTING HMA SURFACE, 4"±
- (AA) EXISTING HMA BINDER, THICKNESS VARIES
- (B) EXISTING PCC BASE, 10"±
- (BB) EXISTING BRICK, 4"± AND EXISTING COMPOSITE AGGREGATE MATERIAL, 4"±
- (C) EXISTING AGGREGATE SHOULDER, 6"±
- (D) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (F) COMBINATION CONCRETE CURB AND GUTTER, REMOVAL AND REPLACEMENT (AS DETERMINED BY THE ENGINEER)
- (G) NOT USED
- (H) EXISTING PAVED SHOULDERS
- (I) EXISTING PCC SIDEWALK
- [Hatched Box] ITEM TO BE REMOVED
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm) - 1 3/4"
- (1A) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm) - 2 1/2"
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (3) GRADING AND SHAPING SHOULDERS
- (3A) AGGREGATE WEDGE SHOULDER, TYPE B
- (4) TOPSOIL FURNISH AND PLACE-4" (AS DETERMINED BY THE ENGINEER)
 SODDING, SALT TOLERANT (AS DETERMINED BY THE ENGINEER)
- (5) CENTER LINE - RUMBLE STRIP - 16"

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - CJC	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 UPDATE
DATE - 12-17-10	FILE - 100153-WO-17-TYPSEC.sht

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

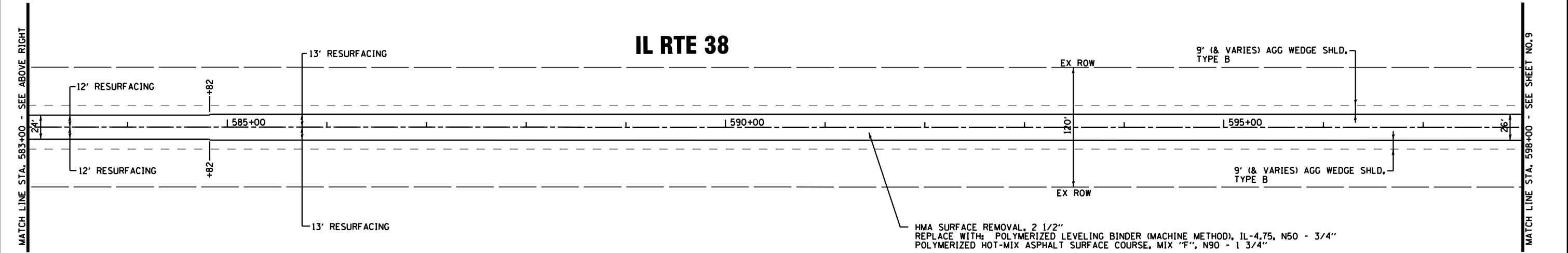
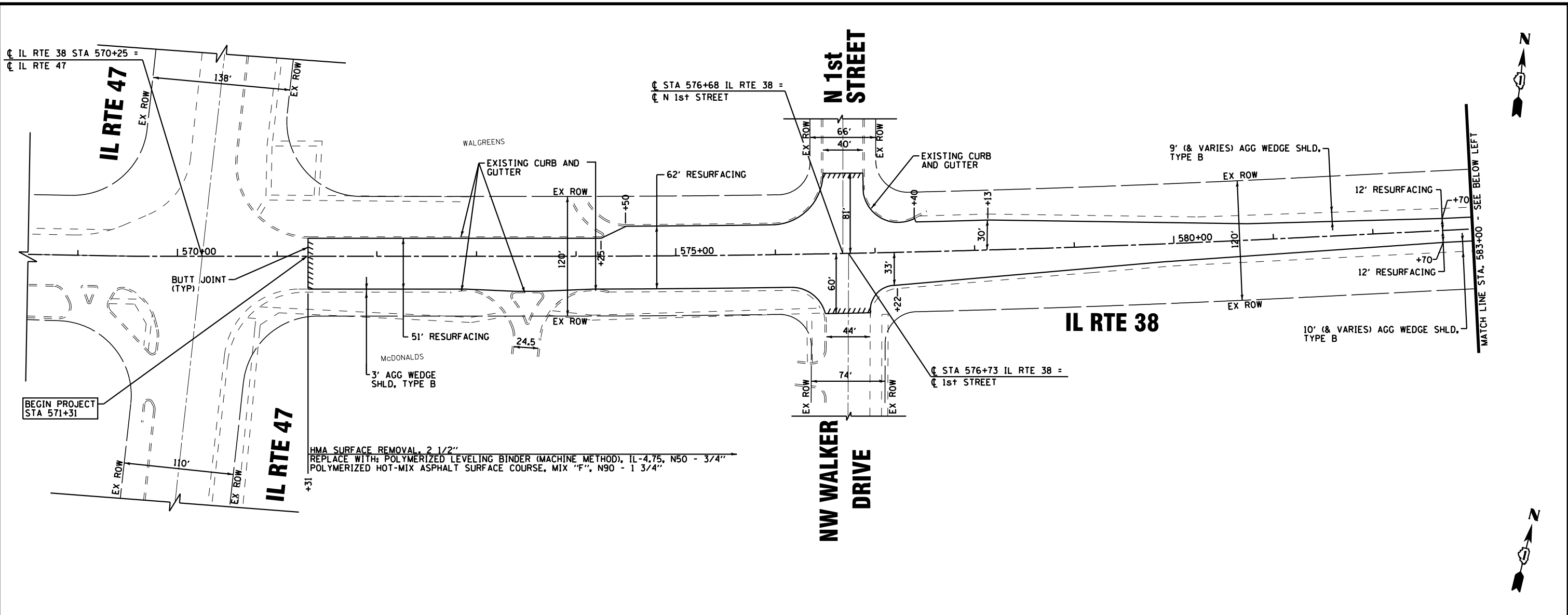
IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 TYPICAL SECTIONS

SCALE: NONE

STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	7
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

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NOTES:
 1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED BY THE RESIDENT ENGINEER.

BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
	CHECKED - RWL	REVISED - 5-12-14 UPDATE
	DATE - 12-17-10	FILE - 100153-WO-17-Plan1.sht

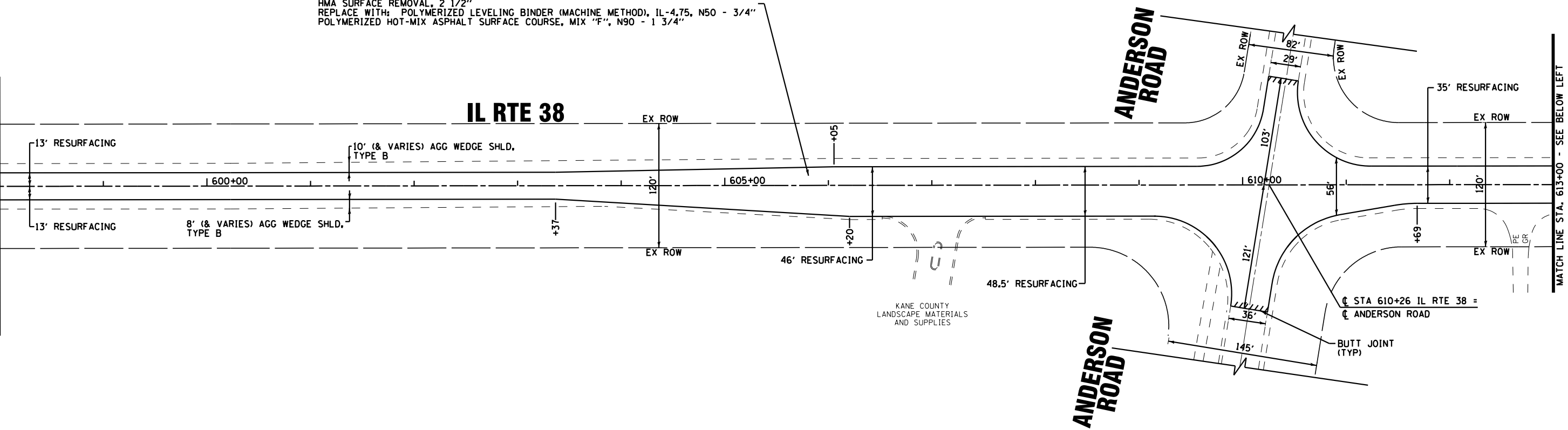
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38 IL ROUTE 47 TO IL ROUTE 31 ROADWAY PLAN	
SCALE: 1"=50'	STA. 570+00 TO STA. 598+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	8
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

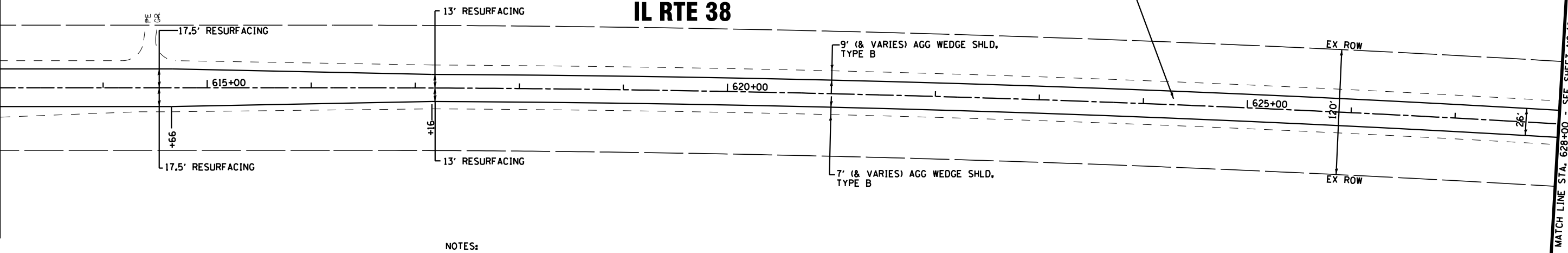
HMA SURFACE REMOVAL, 2 1/2"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"

MATCH LINE STA. 598+00 - SEE SHEET NO.8



HMA SURFACE REMOVAL, 2 1/2"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"

MATCH LINE STA. 613+00 - SEE ABOVE RIGHT



NOTES:

1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED BY THE RESIDENT ENGINEER.

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 UPDATE
DATE - 12-17-10	FILE - 100153-WO-17-Plan2.sht

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 ROADWAY PLAN

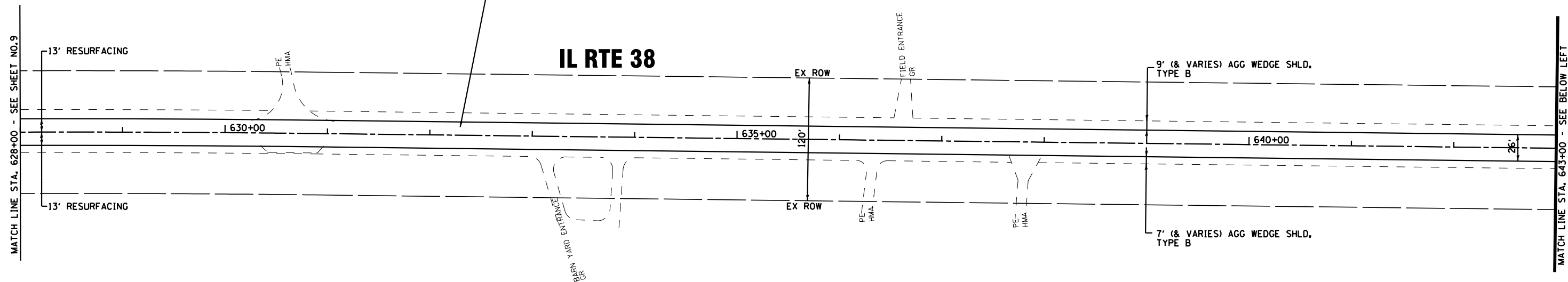
SCALE: 1"=50'

STA. 598+00 TO STA. 628+00

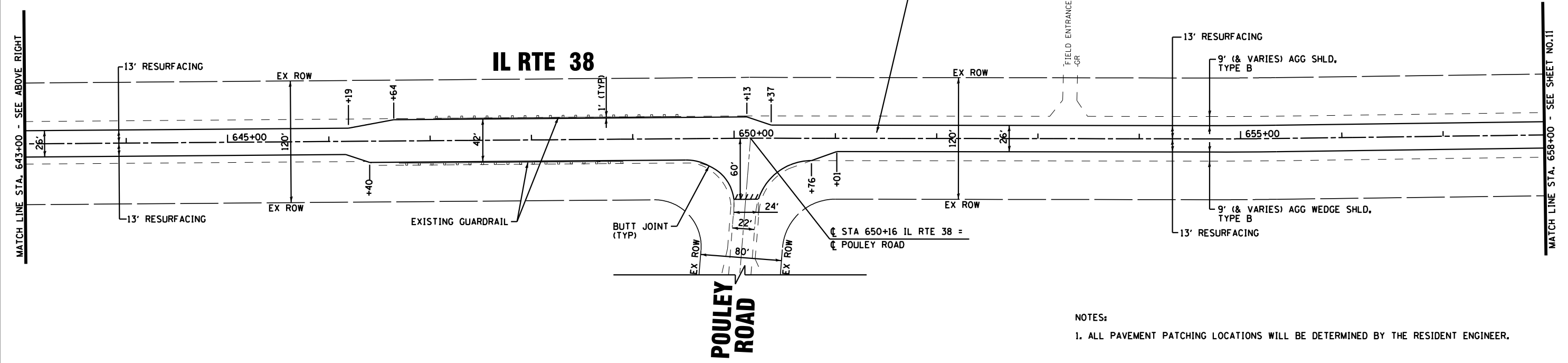
F.A.P. RTE. 347	SECTION 4R-R5-8	COUNTY KANE	TOTAL SHEETS 65	SHEET NO. 9
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



HMA SURFACE REMOVAL, 2 1/2"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"



HMA SURFACE REMOVAL, 2 1/2"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"



NOTES:
 1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED BY THE RESIDENT ENGINEER.

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
	CHECKED - RWL	REVISED - 5-12-14 UPDATE
	DATE - 12-17-10	FILE - 100153-WO-17-Plan3.sht

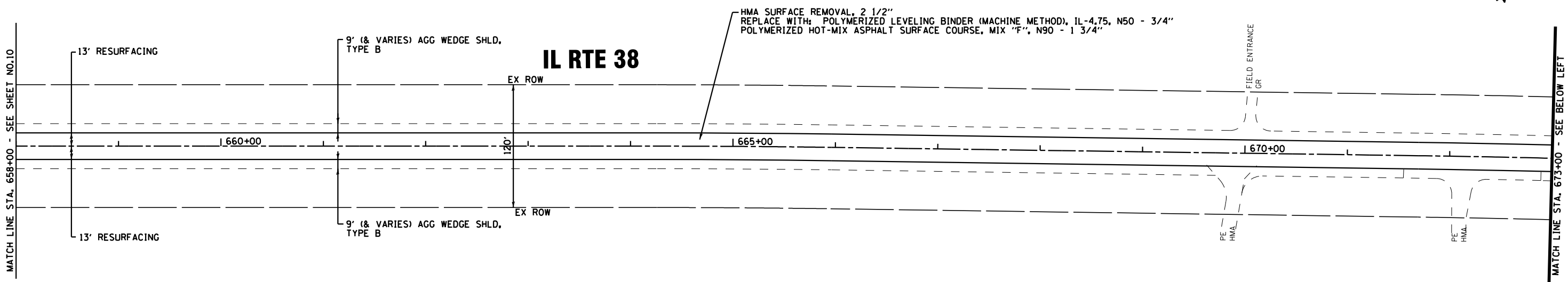
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 ROADWAY PLAN**

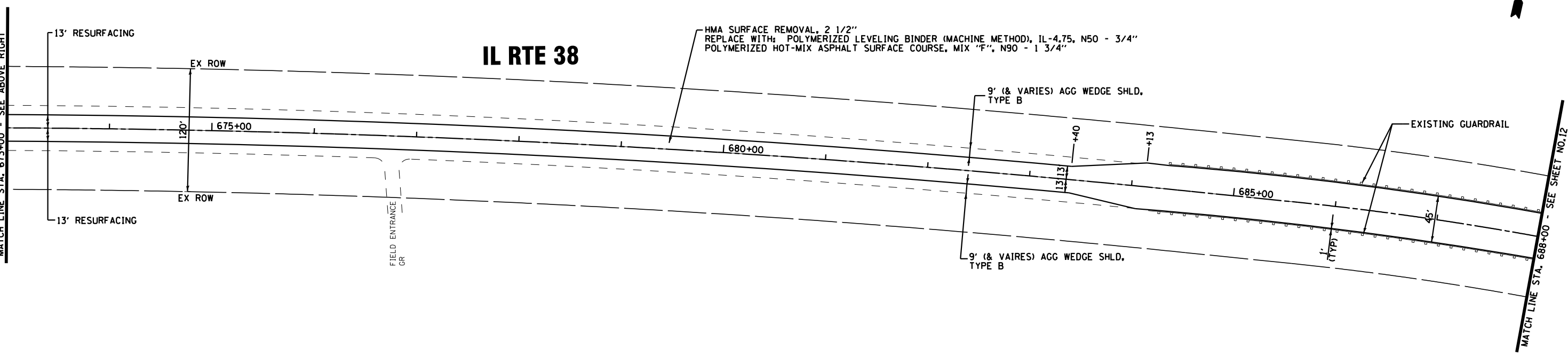
SCALE: 1"=50'

STA. 628+00 TO STA. 658+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	10
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



MATCH LINE STA. 673+00 - SEE BELOW LEFT



MATCH LINE STA. 688+00 - SEE SHEET NO.12

NOTES:
 1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED BY THE RESIDENT ENGINEER.

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
	CHECKED - RWL	REVISED - 5-12-14 UPDATE
	DATE - 12-17-10	FILE - 100153-WO-17-Plan4.sht

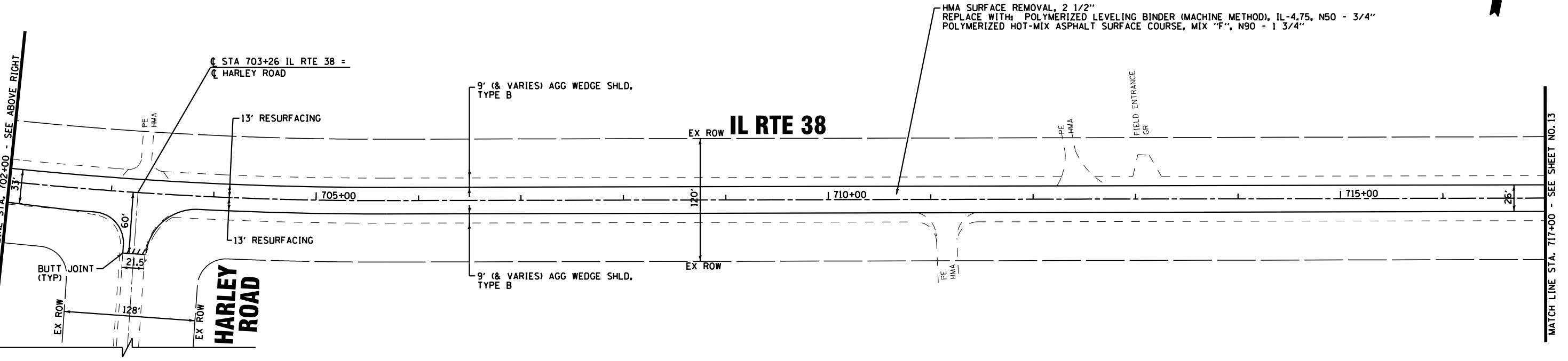
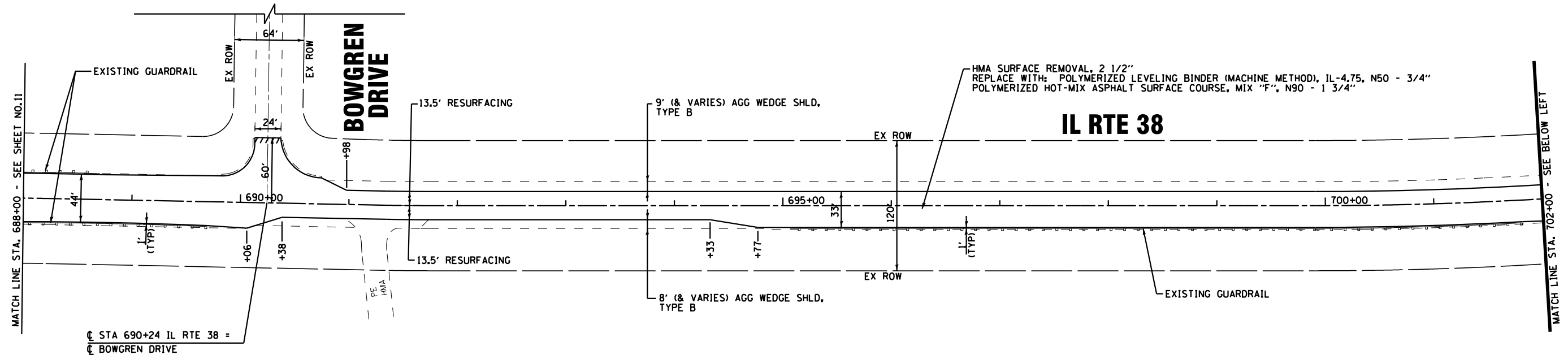
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 ROADWAY PLAN

SCALE: 1"=50' STA. 658+00 TO STA. 688+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	11
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

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NOTES:
 1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED BY THE RESIDENT ENGINEER.

BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
	CHECKED - RWL	REVISED - 5-12-14 UPDATE
	DATE - 12-17-10	FILE - 100153-WO-17-Plan5.sht

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

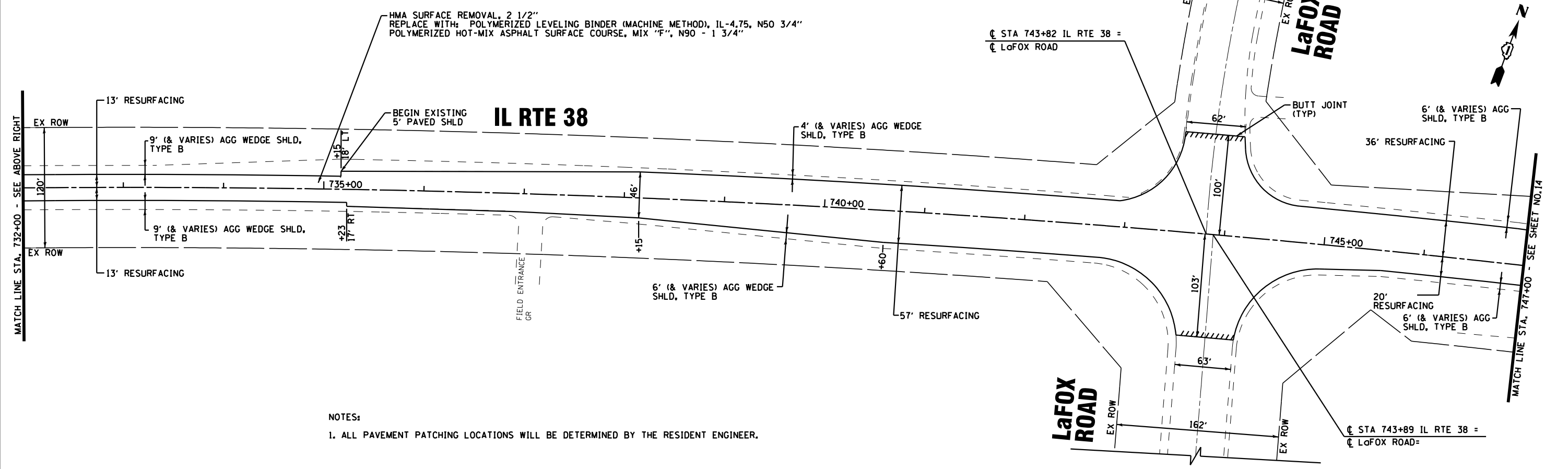
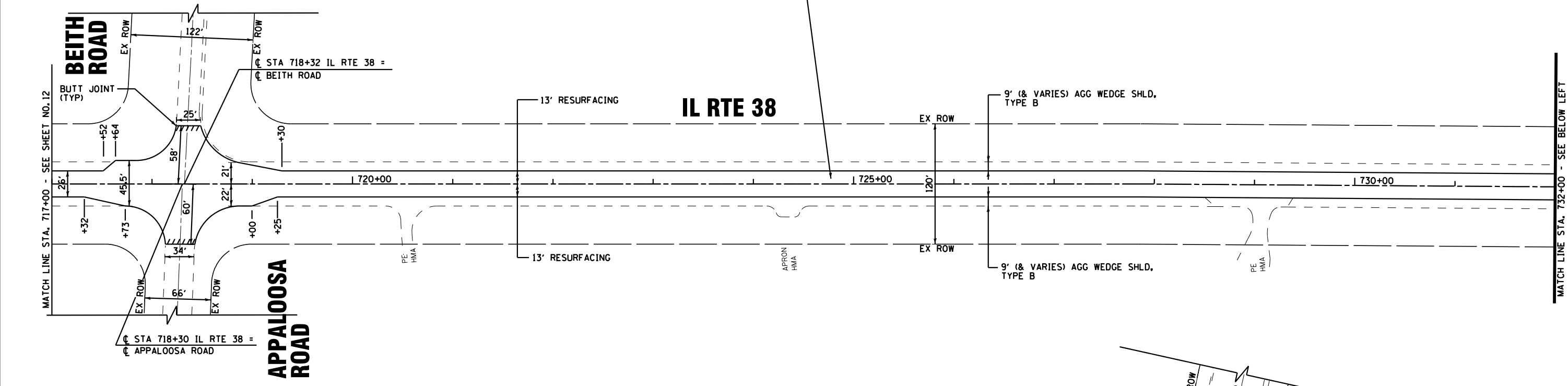
IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 ROADWAY PLAN

SCALE: 1"=50' STA. 688+00 TO STA. 717+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	12
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



HMA SURFACE REMOVAL, 2 1/2"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"



NOTES:
 1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED BY THE RESIDENT ENGINEER.

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 UPDATE
DATE - 12-17-10	FILE - 100153-WO-17-Plan6.sht

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 ROADWAY PLAN

SCALE: 1"=50'
 STA. 717+00 TO STA. 747+00

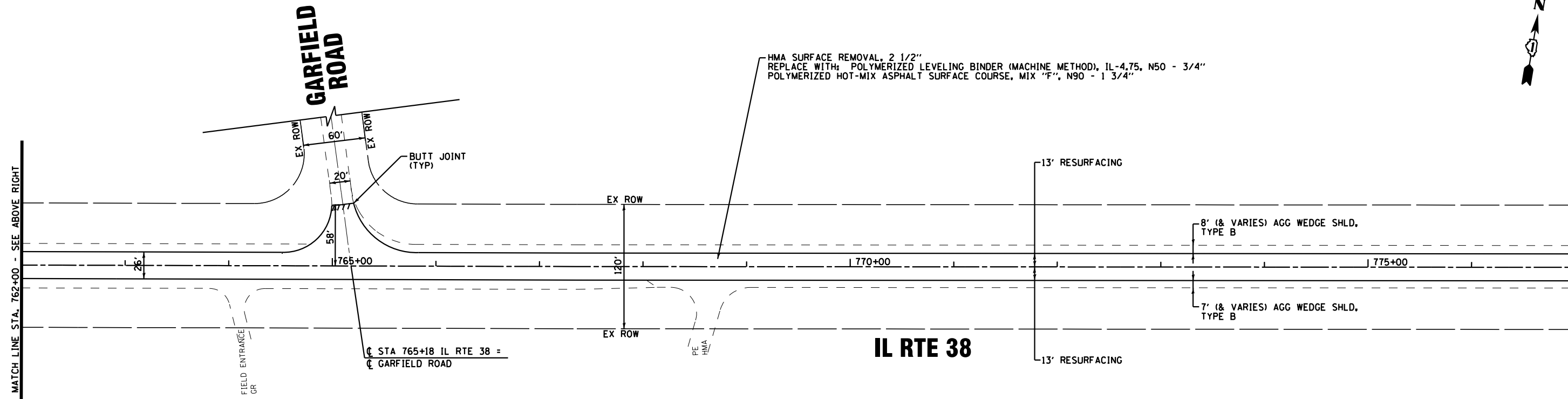
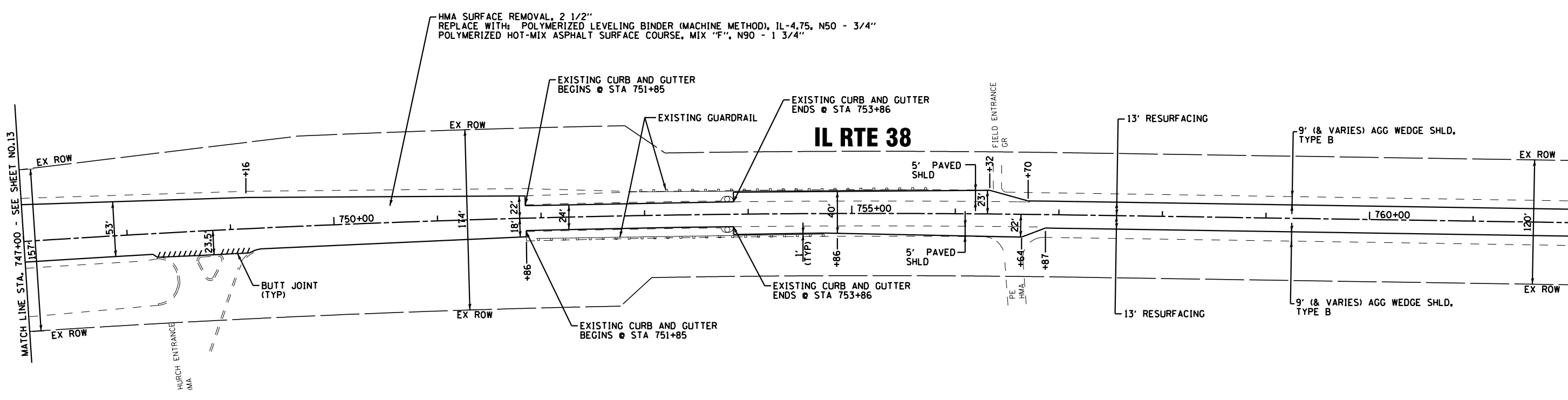
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	13
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



MATCH LINE STA. 762+00 - SEE BELOW LEFT



MATCH LINE STA. 777+00 - SEE SHEET NO.15



NOTES:
 1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED BY THE RESIDENT ENGINEER.

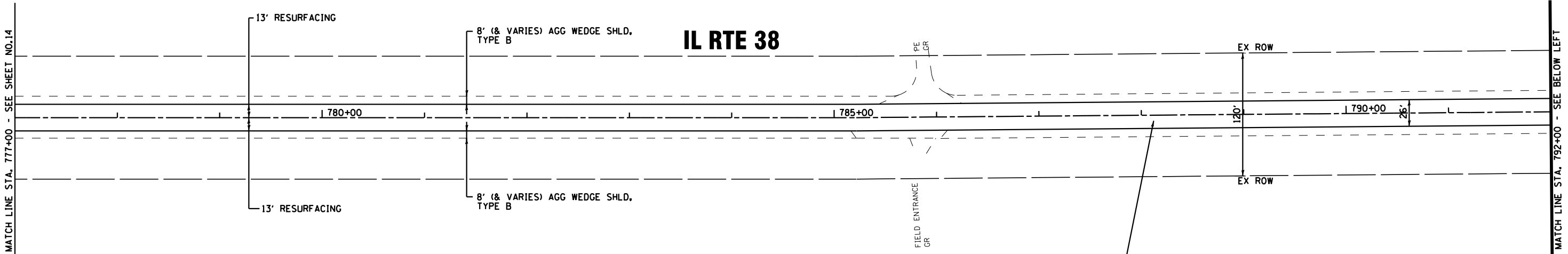
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BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
	CHECKED - RWL	REVISED - 5-12-14 UPDATE
	DATE - 12-17-10	FILE - 100153-WO-17-Plan7.sht

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

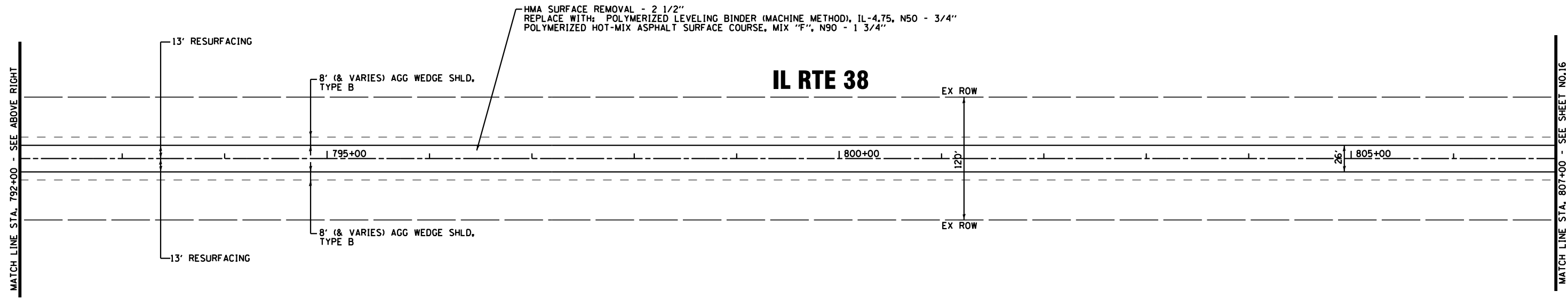
IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 ROADWAY PLAN
 SCALE: 1"=50'
 STA. 747+00 TO STA. 777+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	14
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



HMA SURFACE REMOVAL - 2 1/2"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"

MATCH LINE STA. 792+00 - SEE BELOW LEFT



HMA SURFACE REMOVAL - 2 1/2"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"

MATCH LINE STA. 807+00 - SEE SHEET NO.16



NOTES:
 1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED BY THE RESIDENT ENGINEER.

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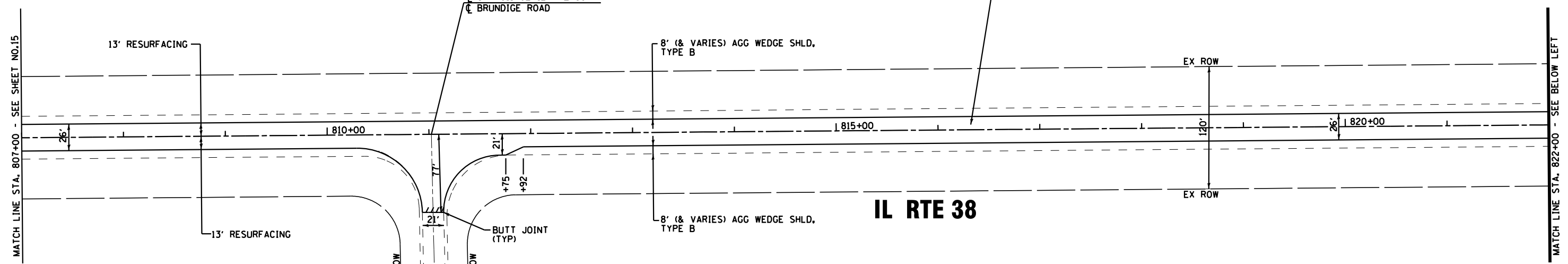
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DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 UPDATE
DATE - 12-17-10	FILE - 100153-WO-17-Plan8.sht

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 ROADWAY PLAN

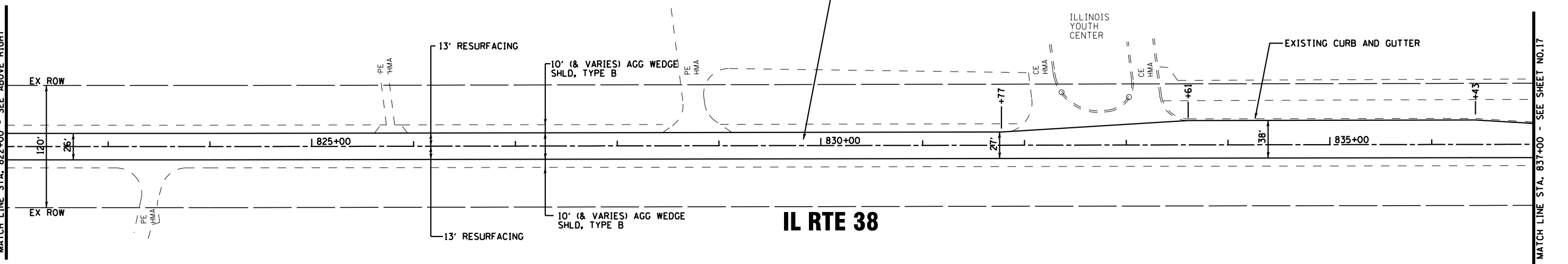
SCALE: 1"=50' STA. 777+00 TO STA. 807+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	15
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



BRUNDIGE ROAD

IL RTE 38



ILLINOIS YOUTH CENTER

EXISTING CURB AND GUTTER

IL RTE 38

NOTES:
1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED BY THE RESIDENT ENGINEER.

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 UPDATE
DATE - 12-17-10	FILE - 100153-W0-17-Plan9.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

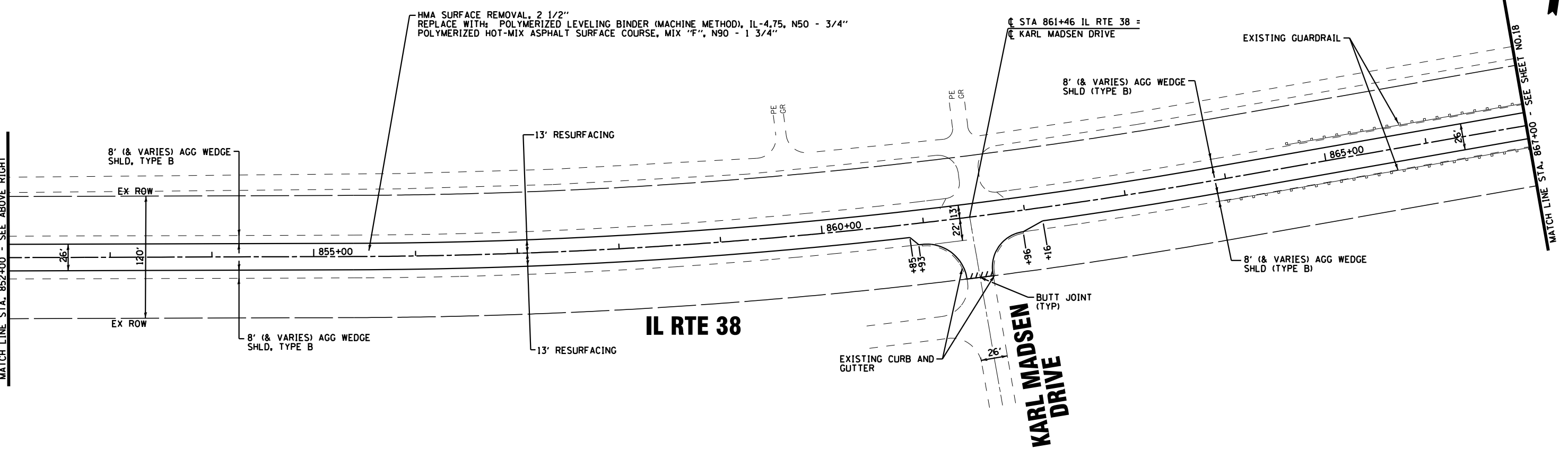
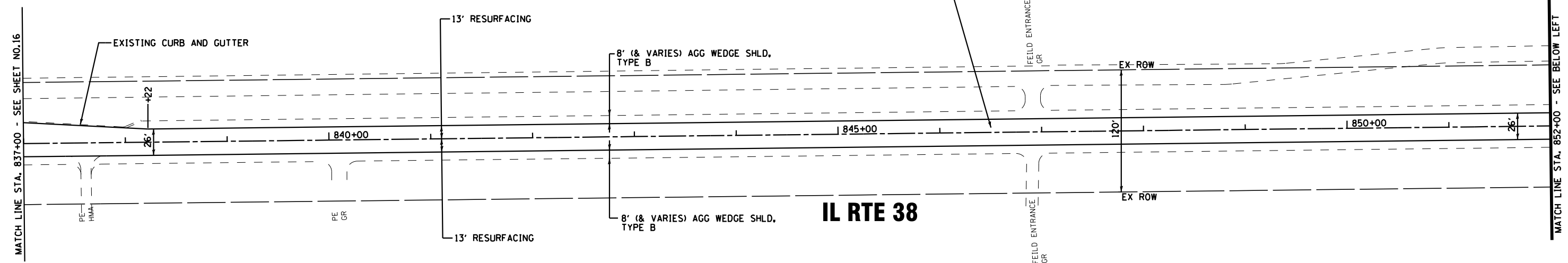
**IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
ROADWAY PLAN**

SCALE: 1"=50'

STA. 807+00 TO STA. 837+00

F.A.P. RTE. 347	SECTION 4R-R5-8	COUNTY KANE	TOTAL SHEETS 65	SHEET NO. 16
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

HMA SURFACE REMOVAL, 2 1/2"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"



NOTES:

1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED BY THE RESIDENT ENGINEER.

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
	CHECKED - RWL	REVISED - 5-12-14 UPDATE
	DATE - 12-17-10	FILE - 100153-WO-17-Plan10.shx

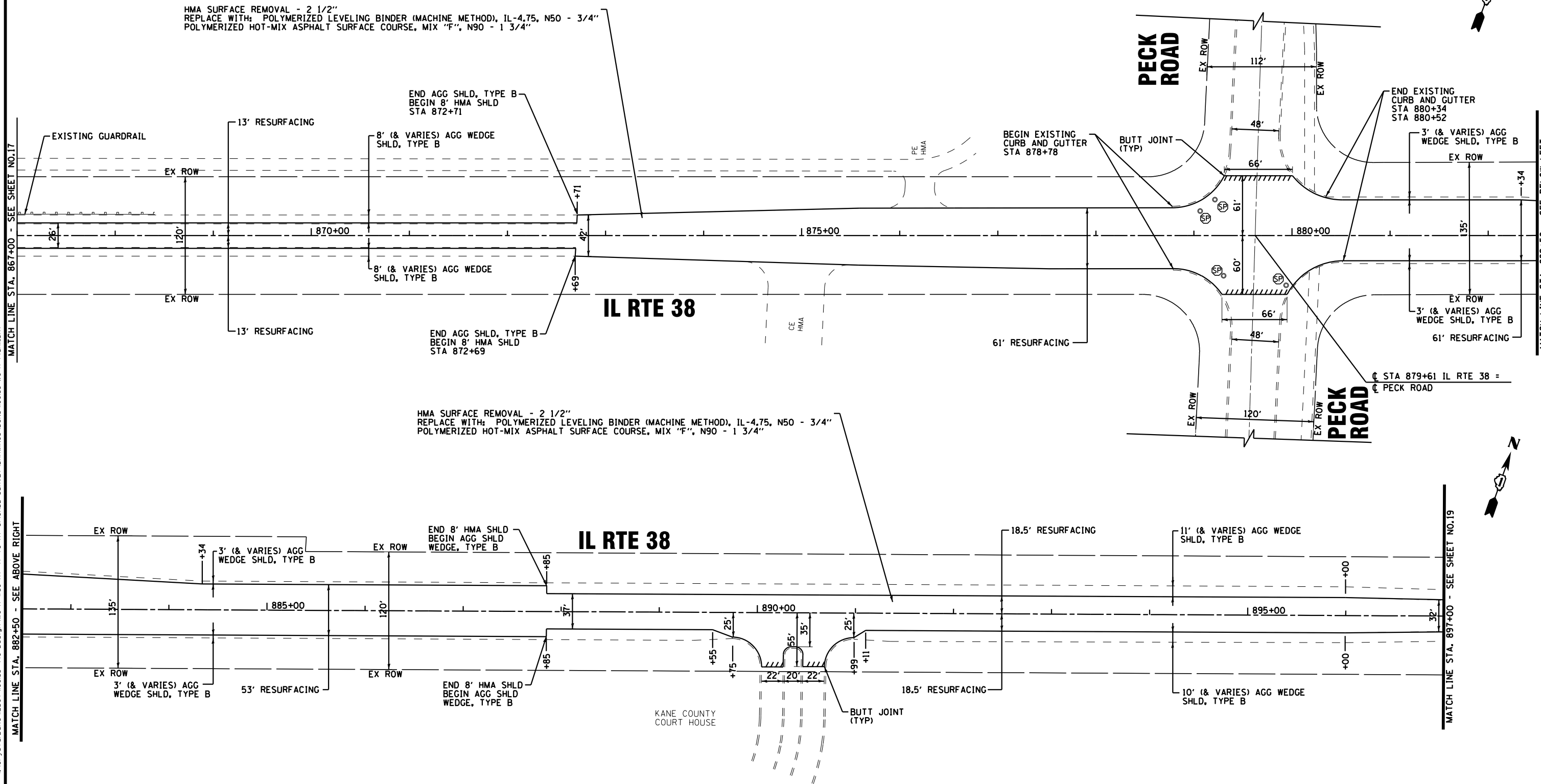
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 ROADWAY PLAN

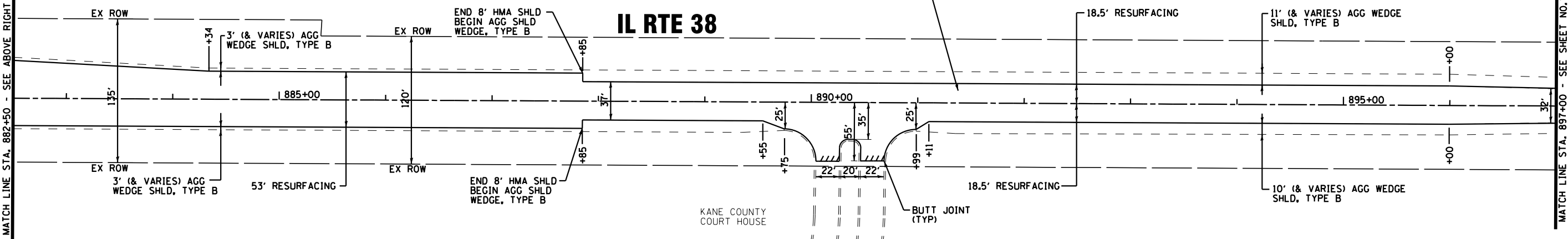
SCALE: 1"=50' STA. 837+00 TO STA. 867+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	17
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

HMA SURFACE REMOVAL - 2 1/2"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"



HMA SURFACE REMOVAL - 2 1/2"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"



NOTES:

1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED BY THE RESIDENT ENGINEER.

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
	CHECKED - RWL	REVISED - 5-12-14 UPDATE
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

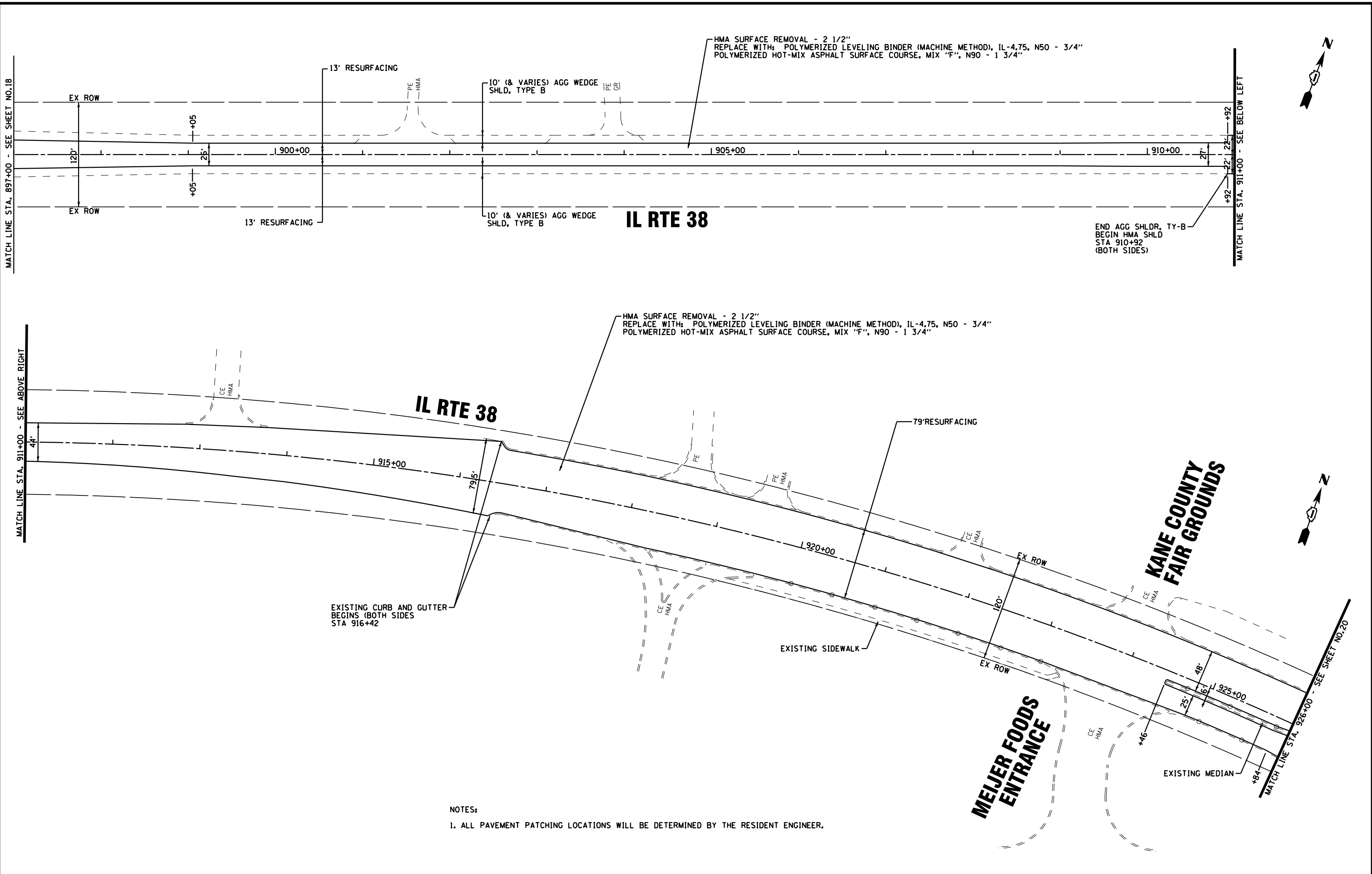
IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 ROADWAY PLAN

SCALE: 1"=50'

STA. 867+00 TO STA. 897+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	18
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

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NOTES:
 1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED BY THE RESIDENT ENGINEER.



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DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 UPDATE
DATE - 12-17-10	FILE - 100153-W0-17-Plan12.sht

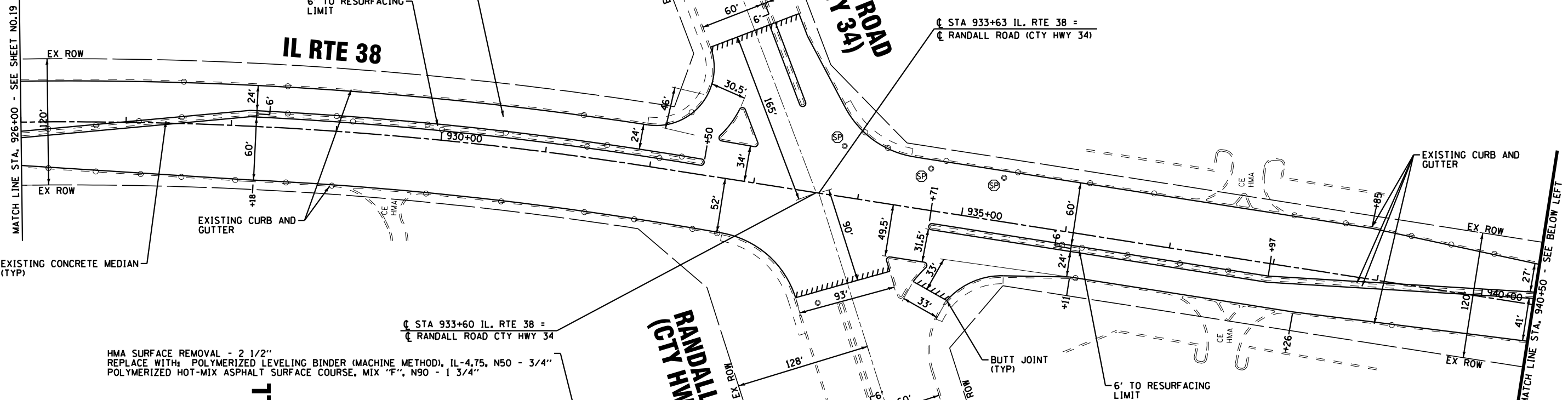
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 ROADWAY PLAN

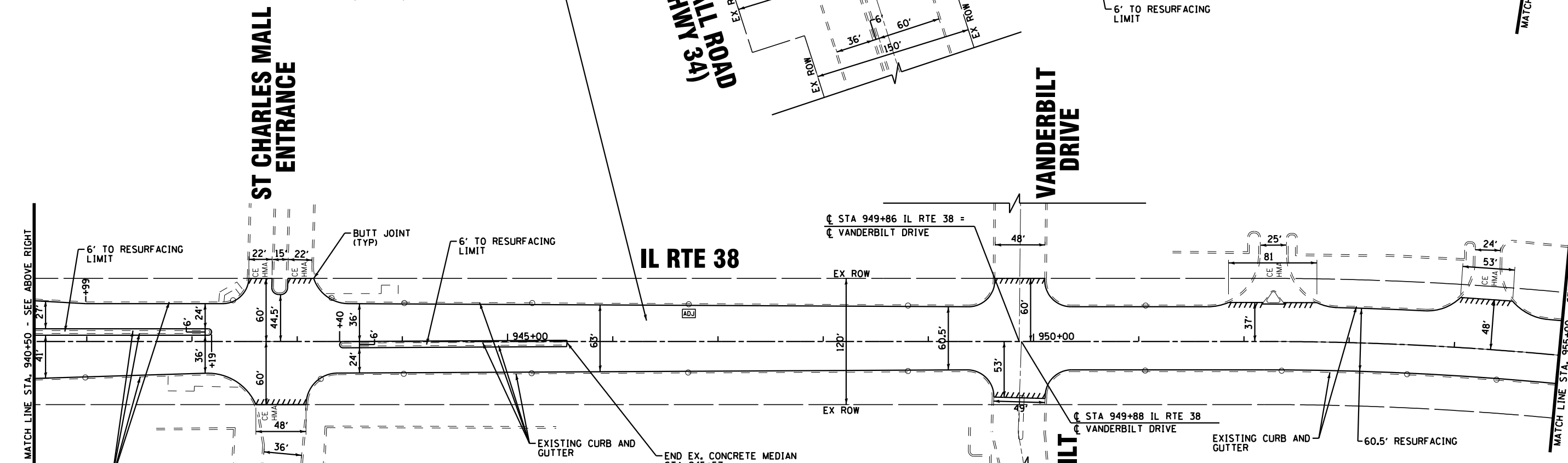
SCALE: 1"=50' STA. 897+00 TO STA. 926+00

F.A.P. RTE. 347	SECTION 4R-R5-8	COUNTY KANE	TOTAL SHEETS 65	SHEET NO. 19
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

HMA ASPHALT SURFACE REMOVAL, 2 1/2"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"



HMA SURFACE REMOVAL - 2 1/2"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"



NOTES:
 1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED BY THE RESIDENT ENGINEER.

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DATE - 12-17-10	FILE - 100153-WO-17-Plan3.sht

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

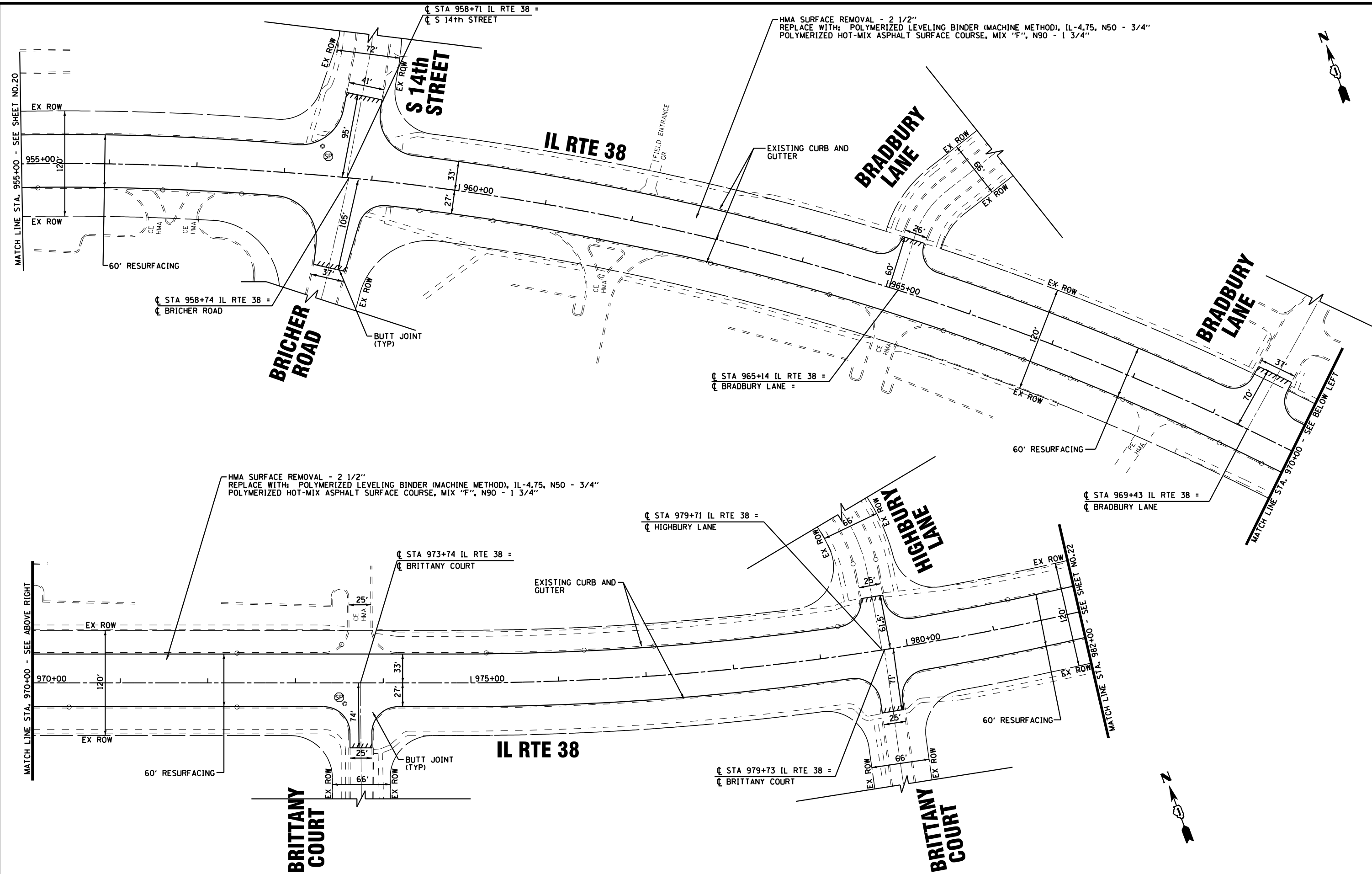
IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 ROADWAY PLAN

SCALE: 1"=50'

STA. 926+00 TO STA. 955+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	20
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

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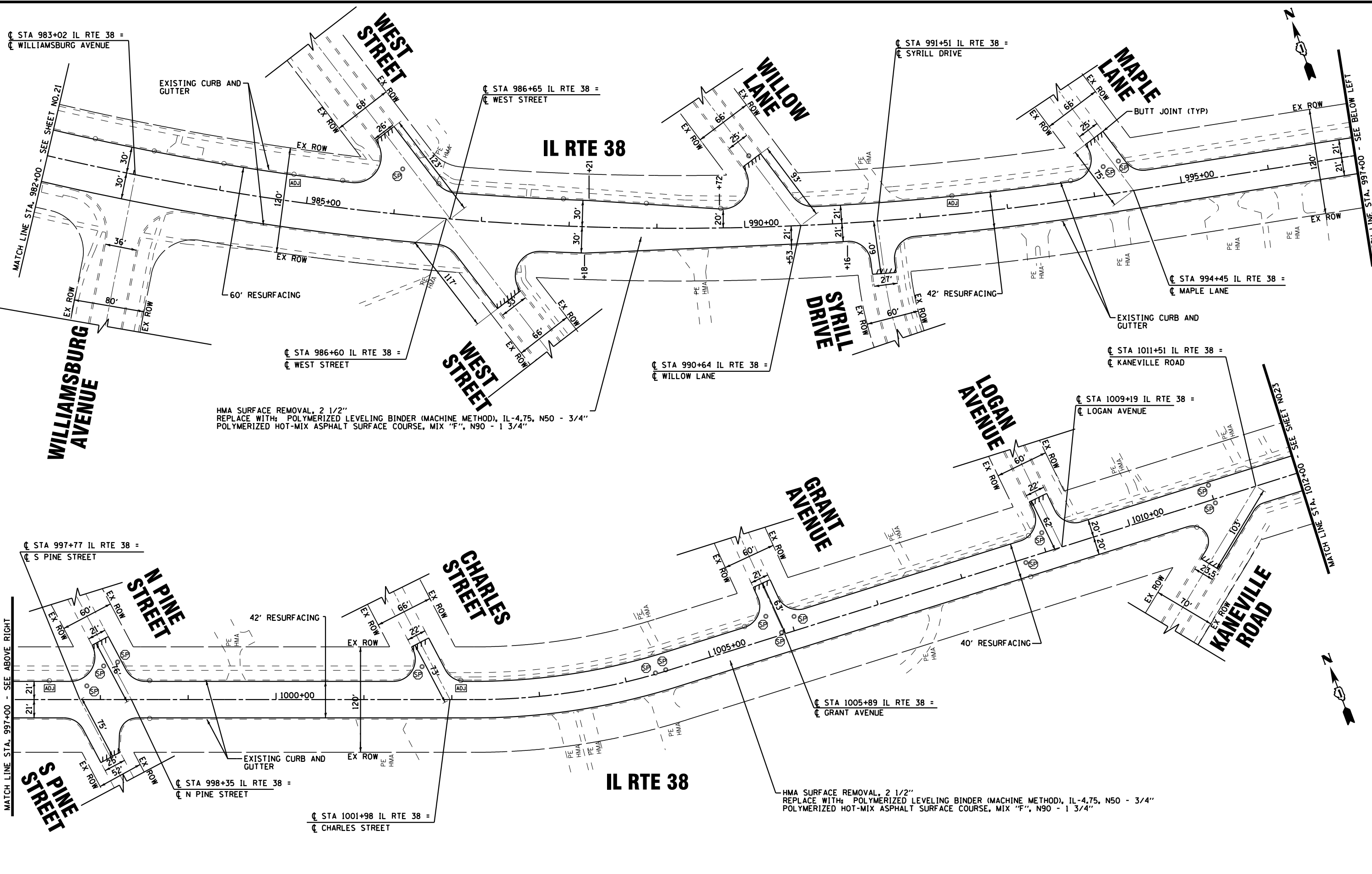


BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
	CHECKED - RWL	REVISED - 5-12-14 UPDATE
	DATE - 12-17-10	FILE - 100153-WO-17-Plan14.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=50'		STA. 955+00 TO STA. 982+00
IL ROUTE 38 IL ROUTE 47 TO IL ROUTE 31 ROADWAY PLAN		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	21
C-91-308-11			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



HMA SURFACE REMOVAL, 2 1/2"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"

HMA SURFACE REMOVAL, 2 1/2"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
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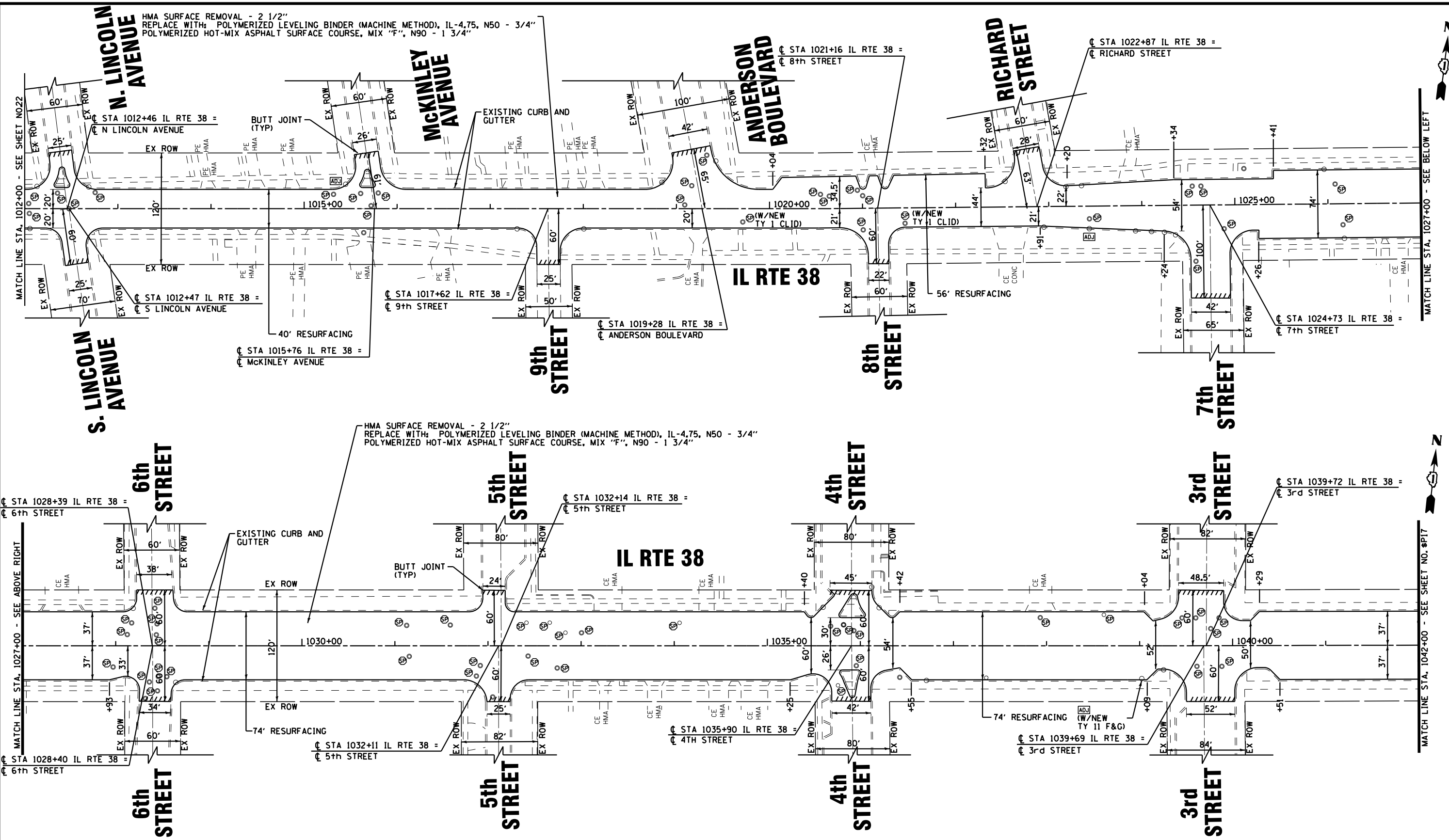
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 ROADWAY PLAN**

SCALE: 1"=50' STA. 982+00 TO STA. 1012+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	22
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

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NOTES:
 1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED BY THE RESIDENT ENGINEER.

BAXTER & WOODMAN
 Consulting Engineers

DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 UPDATE
DATE - 12-17-10	FILE - 100153-WO-17-Plan16.sht

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

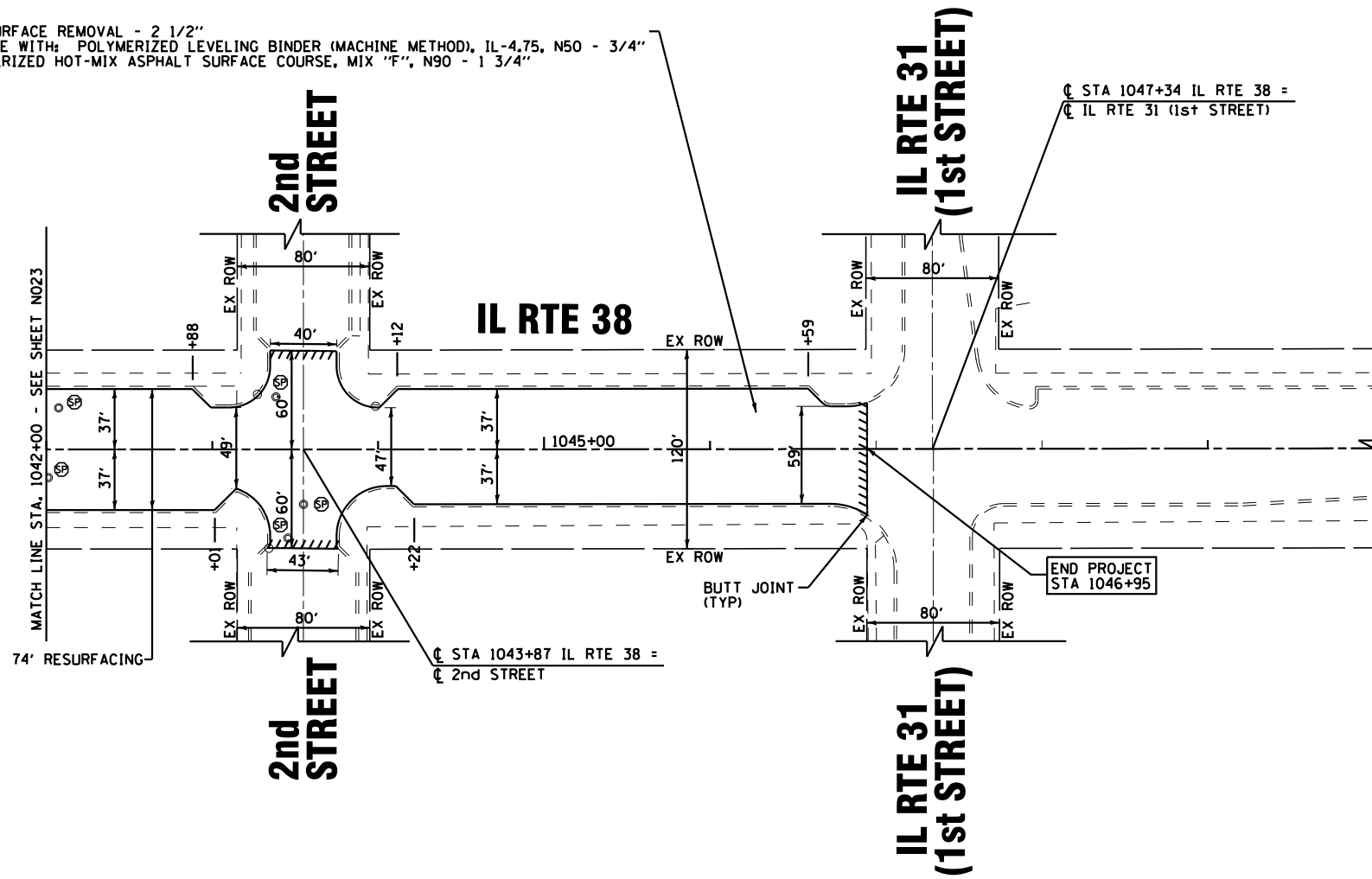
IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 ROADWAY PLAN

SCALE: 1"=50'

STA. 1012+00 TO STA. 1042+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	23
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

HMA SURFACE REMOVAL - 2 1/2"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"



NOTE:

1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED BY THE RESIDENT ENGINEER.

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 UPDATE
DATE - 12-17-10	FILE - 100153-WO-17-Plan17.sht

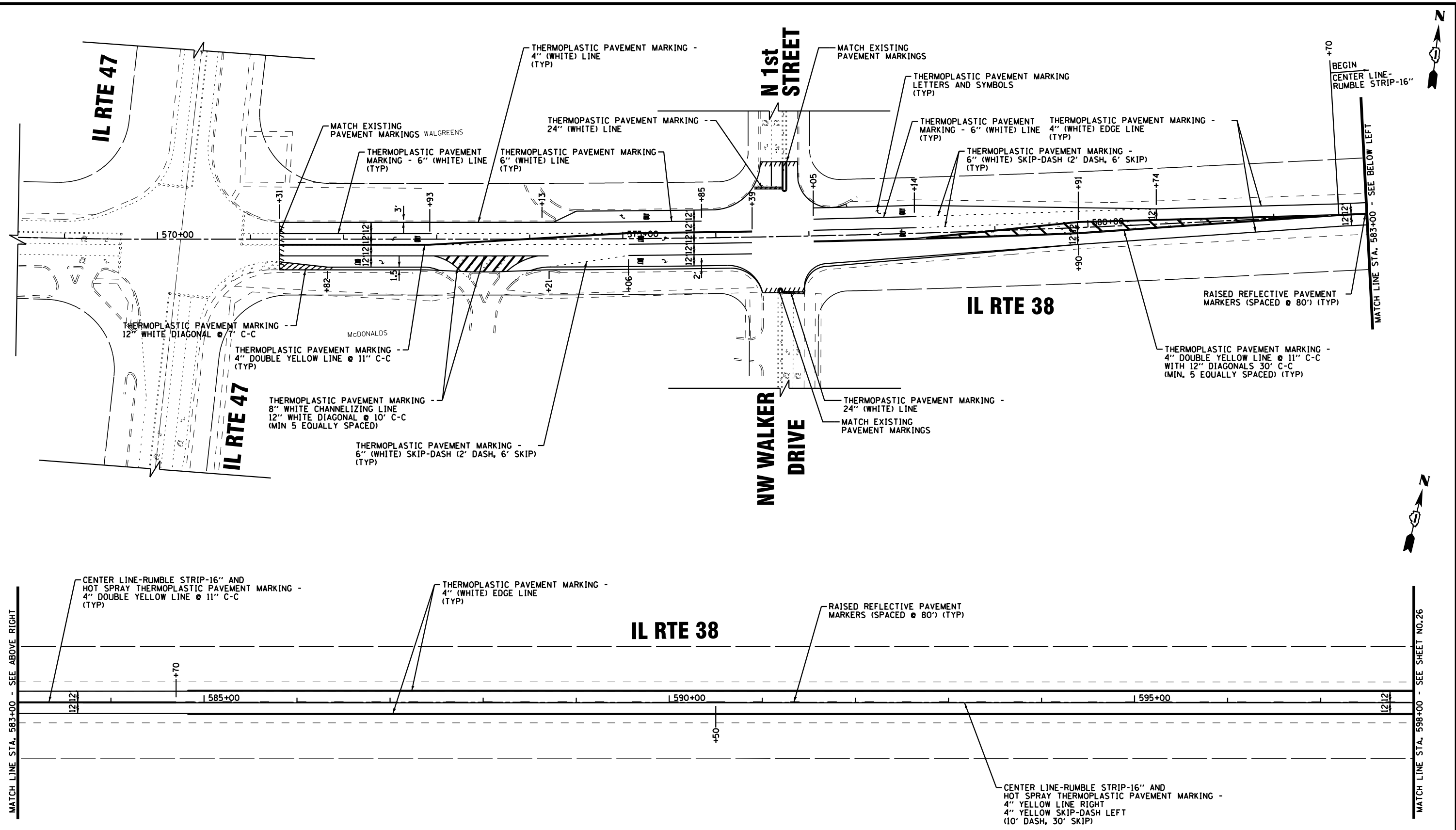
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 ROADWAY PLAN

SCALE: 1"=50' STA. 1042+00 TO STA. 1050+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	24
C-91-308-11			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

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MATCH LINE STA. 583+00 - SEE ABOVE RIGHT

MATCH LINE STA. 598+00 - SEE SHEET NO. 26

- NOTE:
1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
 3. REFER TO DISTRICT 1 RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY (BD-55) FOR ADDITIONAL INFORMATION.

DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
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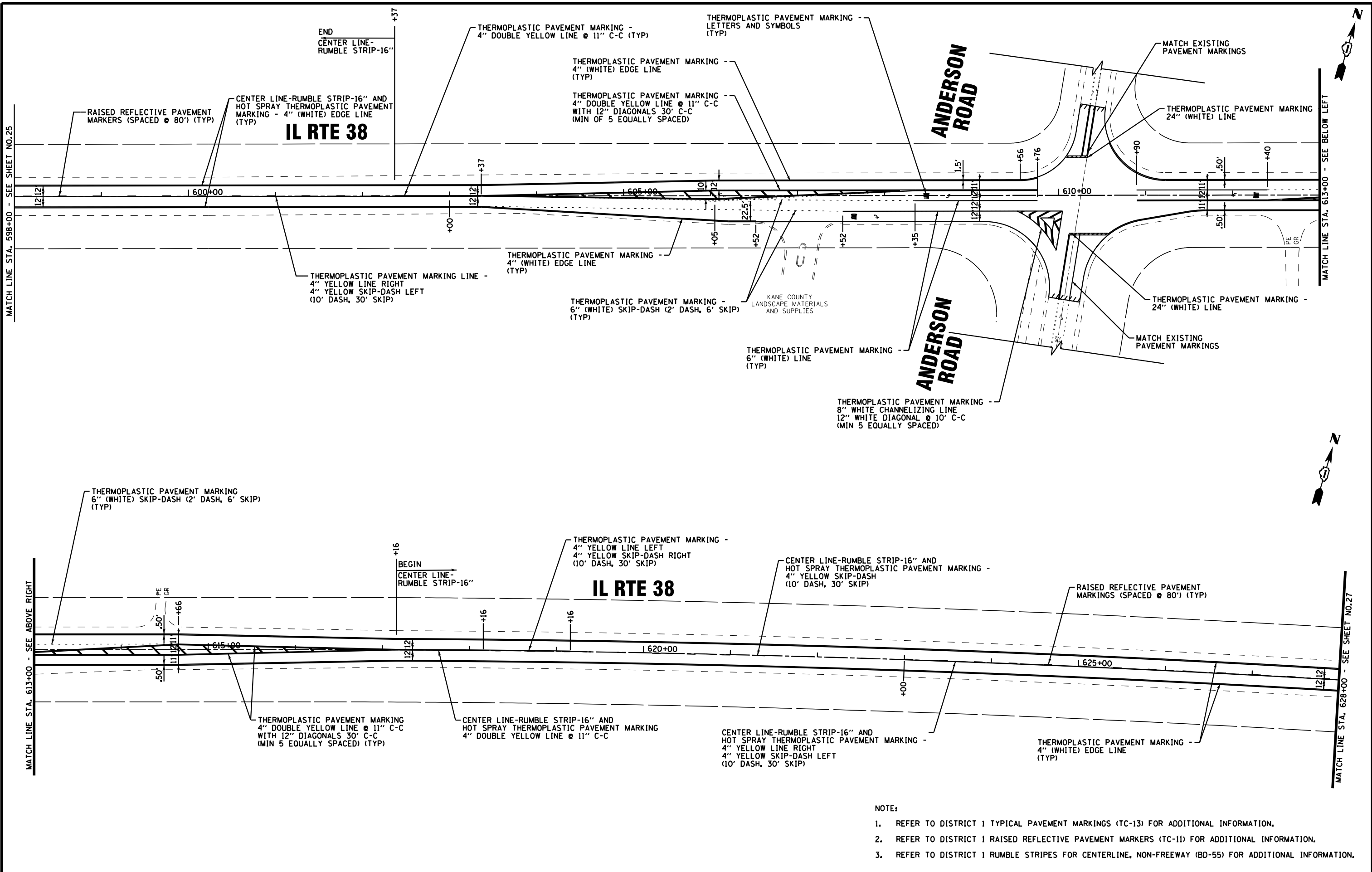
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 PAVEMENT MARKING PLAN

SCALE: 1"=50'
 STA. 570+00 TO STA. 598+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	25
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

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- NOTE:
- REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 - REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
 - REFER TO DISTRICT 1 RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY (BD-55) FOR ADDITIONAL INFORMATION.



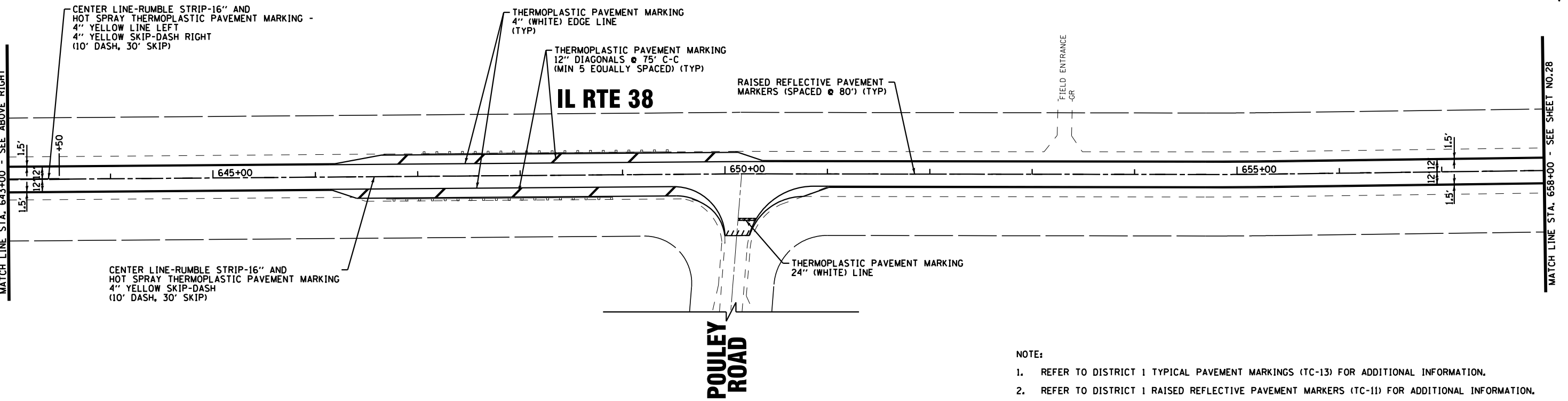
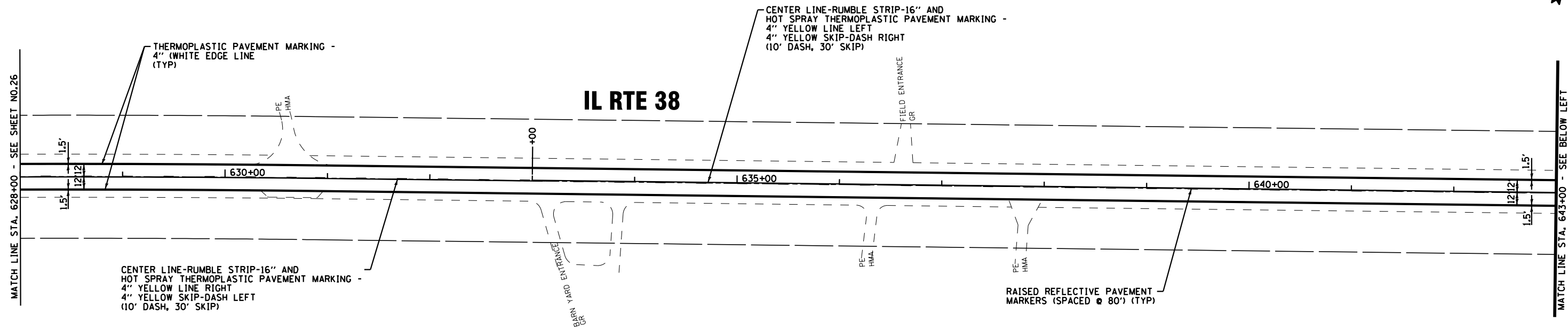
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DATE - 12-17-10	FILE - 100153-WO-17-PM2.sht

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 PAVEMENT MARKING PLAN

SCALE: 1"=50' STA. 598+00 TO STA. 628+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	26
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



- NOTE:
- REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 - REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
 - REFER TO DISTRICT 1 RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY (BD-55) FOR ADDITIONAL INFORMATION.

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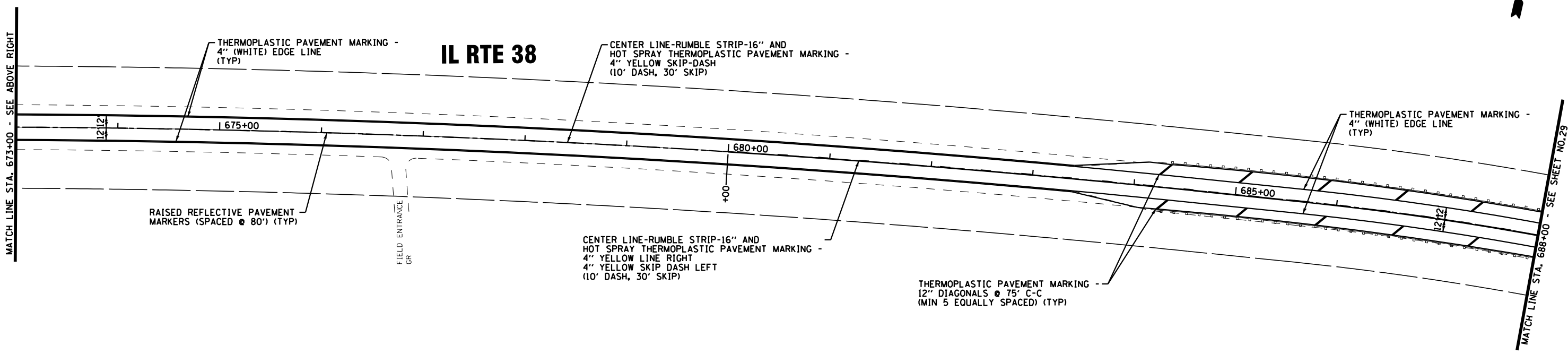
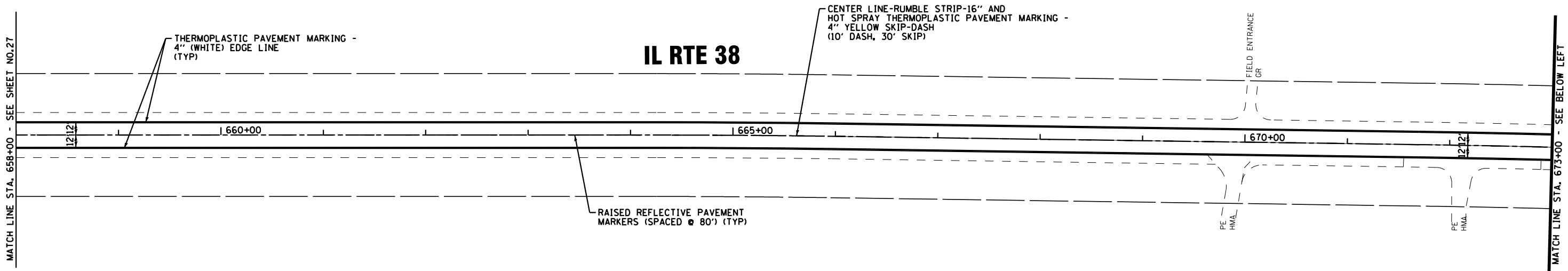
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	CHECKED - RWL	REVISED - 5-12-14 @ RUMBLE
	DATE - 12-17-10	FILE - 100153-WO-17-PM3.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
PAVEMENT MARKING PLAN**

SCALE: 1"=50' STA. 628+00 TO STA. 658+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	27
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



- NOTE:
1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
 3. REFER TO DISTRICT 1 RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY (BD-55) FOR ADDITIONAL INFORMATION.

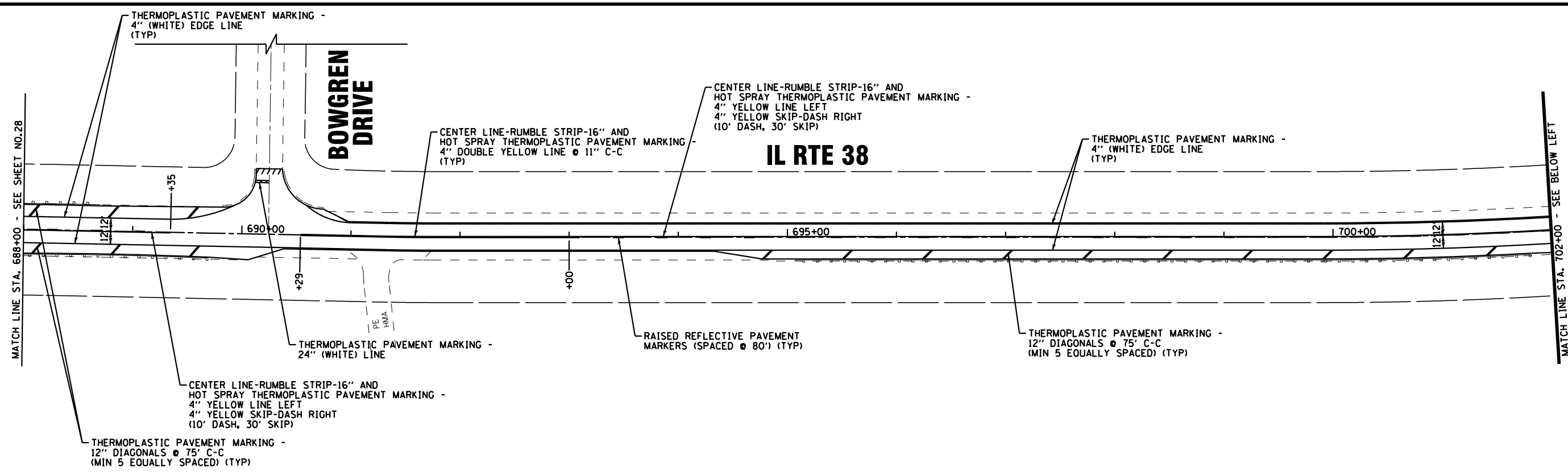
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

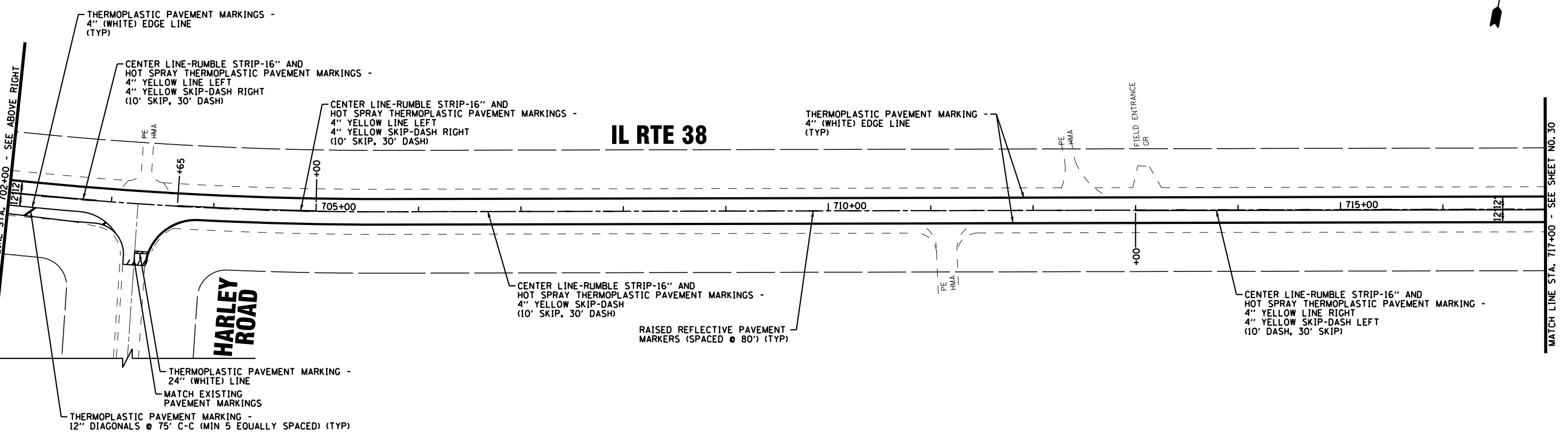
IL ROUTE 38 IL ROUTE 47 TO IL ROUTE 31 PAVEMENT MARKING PLAN	
SCALE: 1"=50'	STA. 658+00 TO STA. 688+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	28
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



NOTE:

1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
3. REFER TO DISTRICT 1 RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY (BD-55) FOR ADDITIONAL INFORMATION.



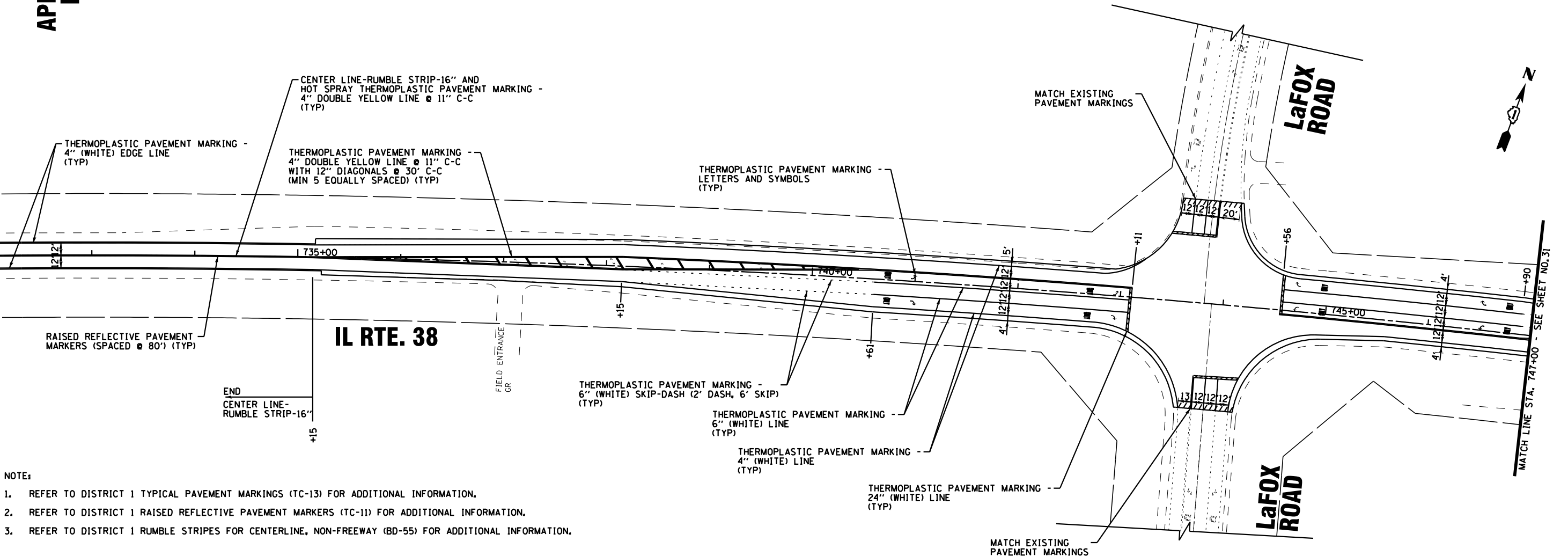
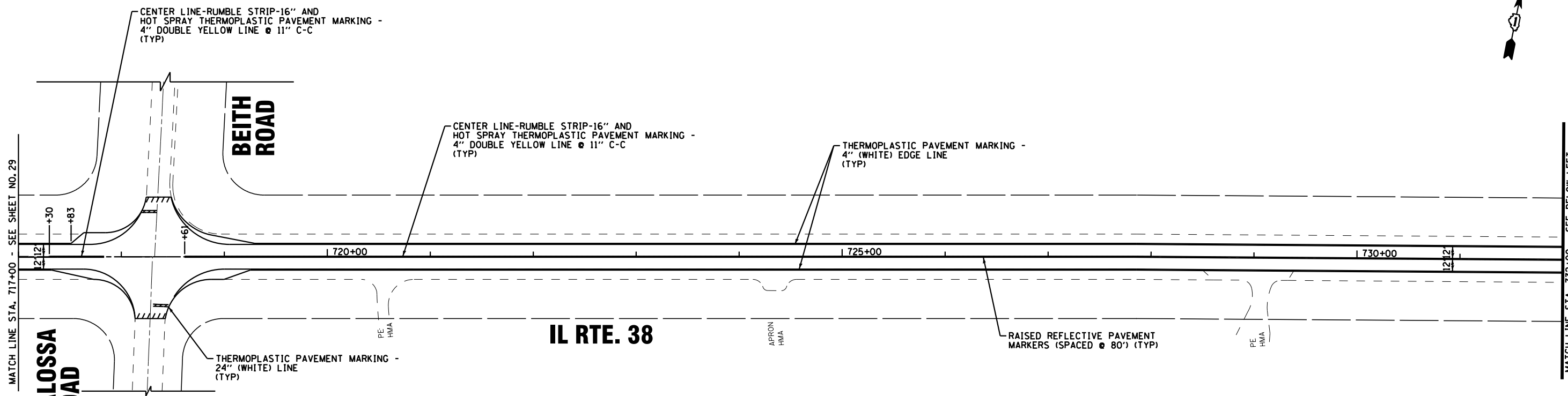
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BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
	CHECKED - RWL	REVISED - 5-12-14 @ RUMBLE
	DATE - 12-17-10	FILE - 100153-WO-17-PM5.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38	
IL ROUTE 47 TO IL ROUTE 31	
PAVEMENT MARKING PLAN	
SCALE: 1"=50'	STA. 688+00 TO STA. 717+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	29
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



- NOTE:
1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
 3. REFER TO DISTRICT 1 RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY (BD-55) FOR ADDITIONAL INFORMATION.

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 @ RUMBLE
DATE - 12-17-10	FILE - 100153-WO-17-PM6.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
PAVEMENT MARKING PLAN**

SCALE: 1"=50' STA. 717+00 TO STA. 747+00

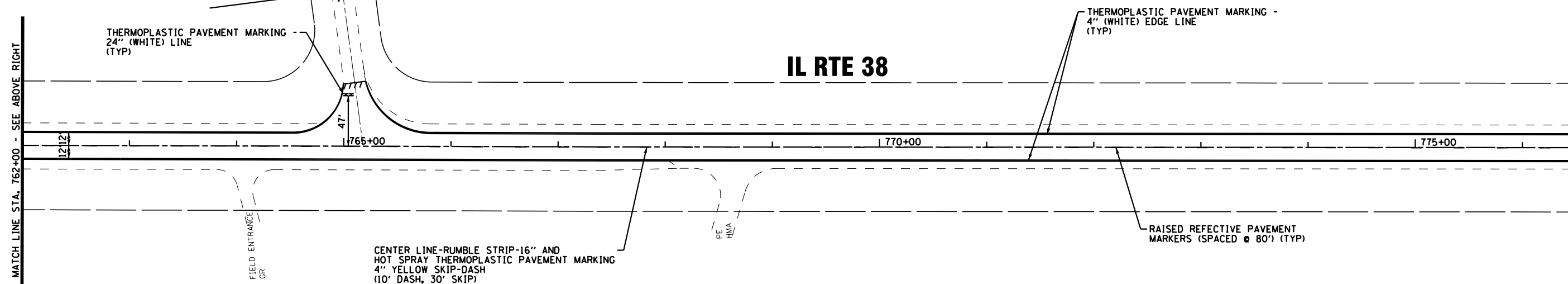
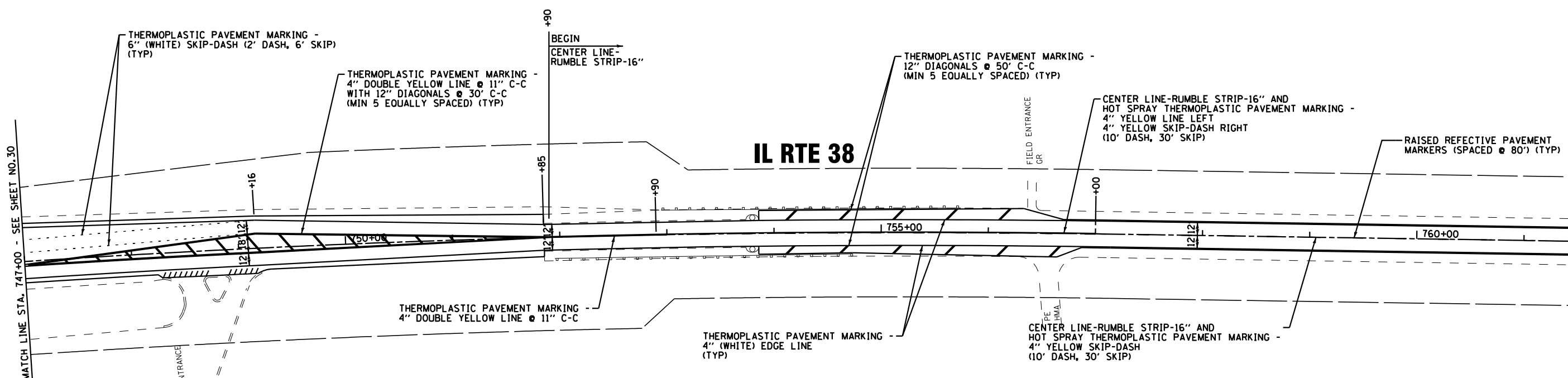
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	30
C-91-308-11			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



MATCH LINE STA. 762+00 - SEE BELOW LEFT



MATCH LINE STA. 777+00 - SEE SHEET NO. 32



- NOTE:
1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
 3. REFER TO DISTRICT 1 RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY (BD-55) FOR ADDITIONAL INFORMATION.

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
	CHECKED - RWL	REVISED - 5-12-14 @ RUMBLE
	DATE - 12-17-10	FILE - 100153-WO-17-PM7.sht

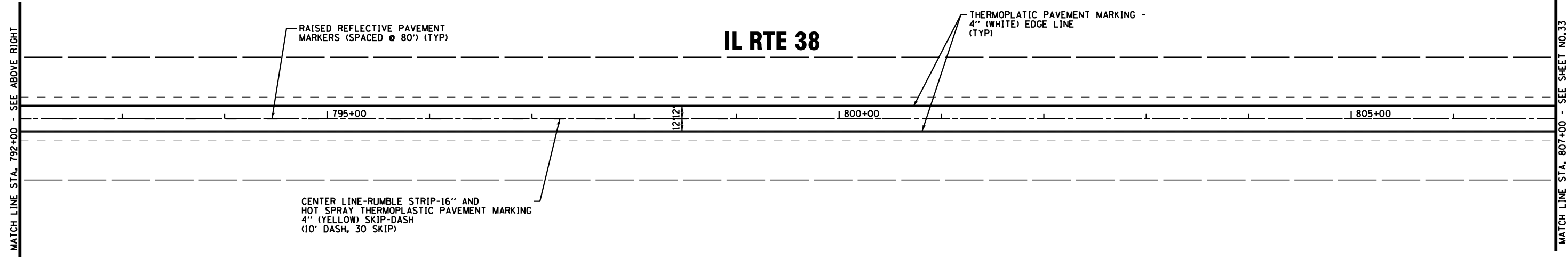
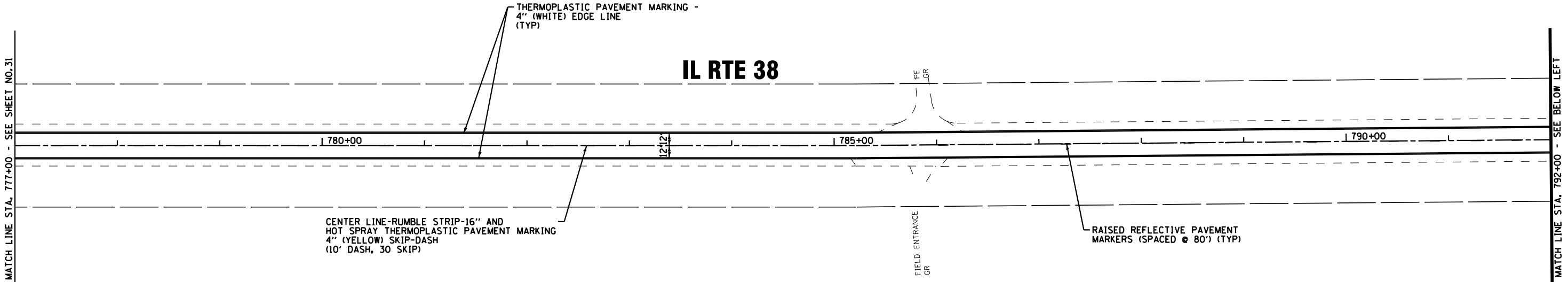
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
PAVEMENT MARKING

SCALE: 1"=50'

STA. 747+00 TO STA. 777+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	31
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



NOTE:

1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
3. REFER TO DISTRICT 1 RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY (BD-55) FOR ADDITIONAL INFORMATION.

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 @ RUMBLE
DATE - 12-17-10	FILE - 100153-WO-17-PM8.sht

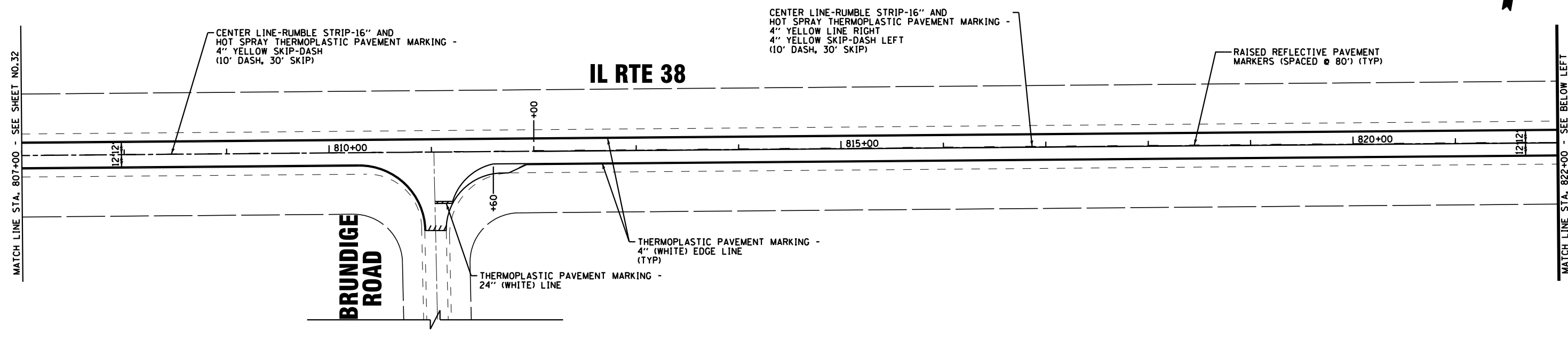
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
PAVEMENT MARKING PLAN**

SCALE: 1"=50'

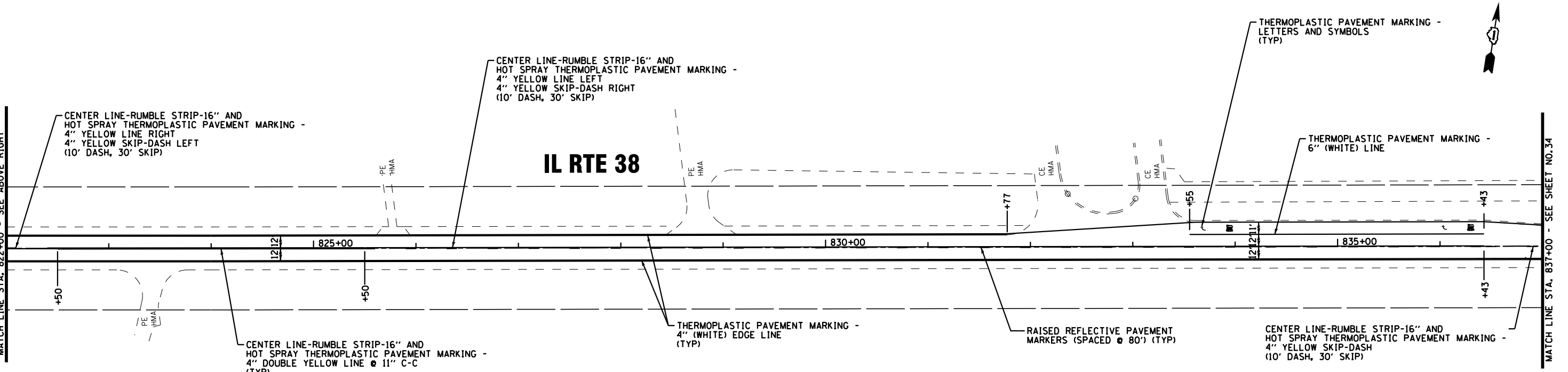
STA. 777+00 TO STA. 807+00

F.A.P. RTE. 347	SECTION 4R-R5-8	COUNTY KANE	TOTAL SHEETS 65	SHEET NO. 32
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



MATCH LINE STA. 822+00 - SEE SHEET NO. 32

MATCH LINE STA. 807+00 - SEE SHEET NO. 32



MATCH LINE STA. 837+00 - SEE SHEET NO. 34

MATCH LINE STA. 822+00 - SEE ABOVE RIGHT

- NOTE:**
1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
 3. REFER TO DISTRICT 1 RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY (BD-55) FOR ADDITIONAL INFORMATION.

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 @ RUMBLE
DATE - 12-17-10	FILE - 100153-WO-17-PM9.sht

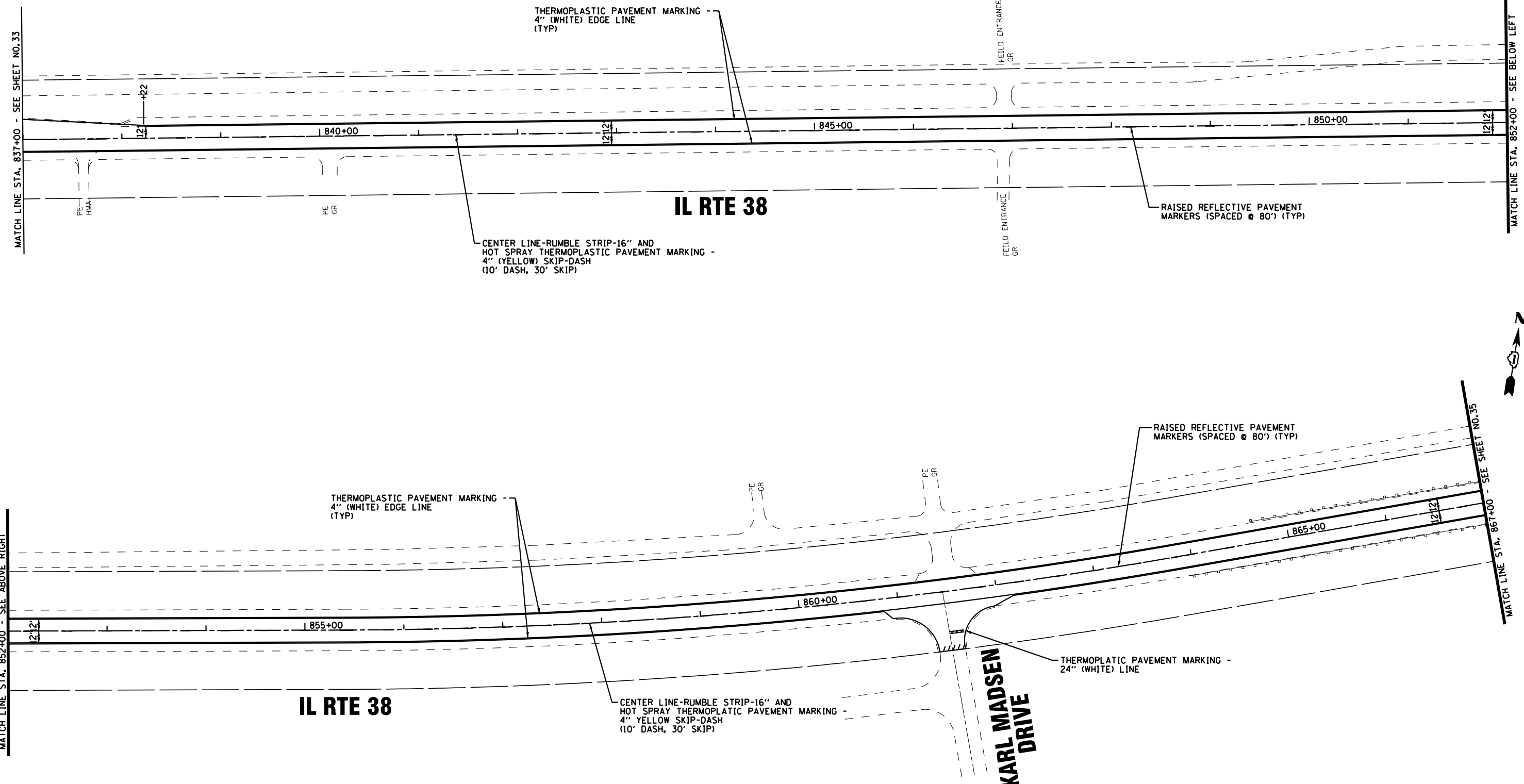
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
PAVEMENT MARKING PLAN**

SCALE: 1"=50'

STA. 807+00 TO STA. 837+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	33
C-91-308-11			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



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- NOTE:**
1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
 3. REFER TO DISTRICT 1 RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY (BD-55) FOR ADDITIONAL INFORMATION.



DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 @ RUMBLE
DATE - 12-17-10	FILE - 100153-WO-17-PM10.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

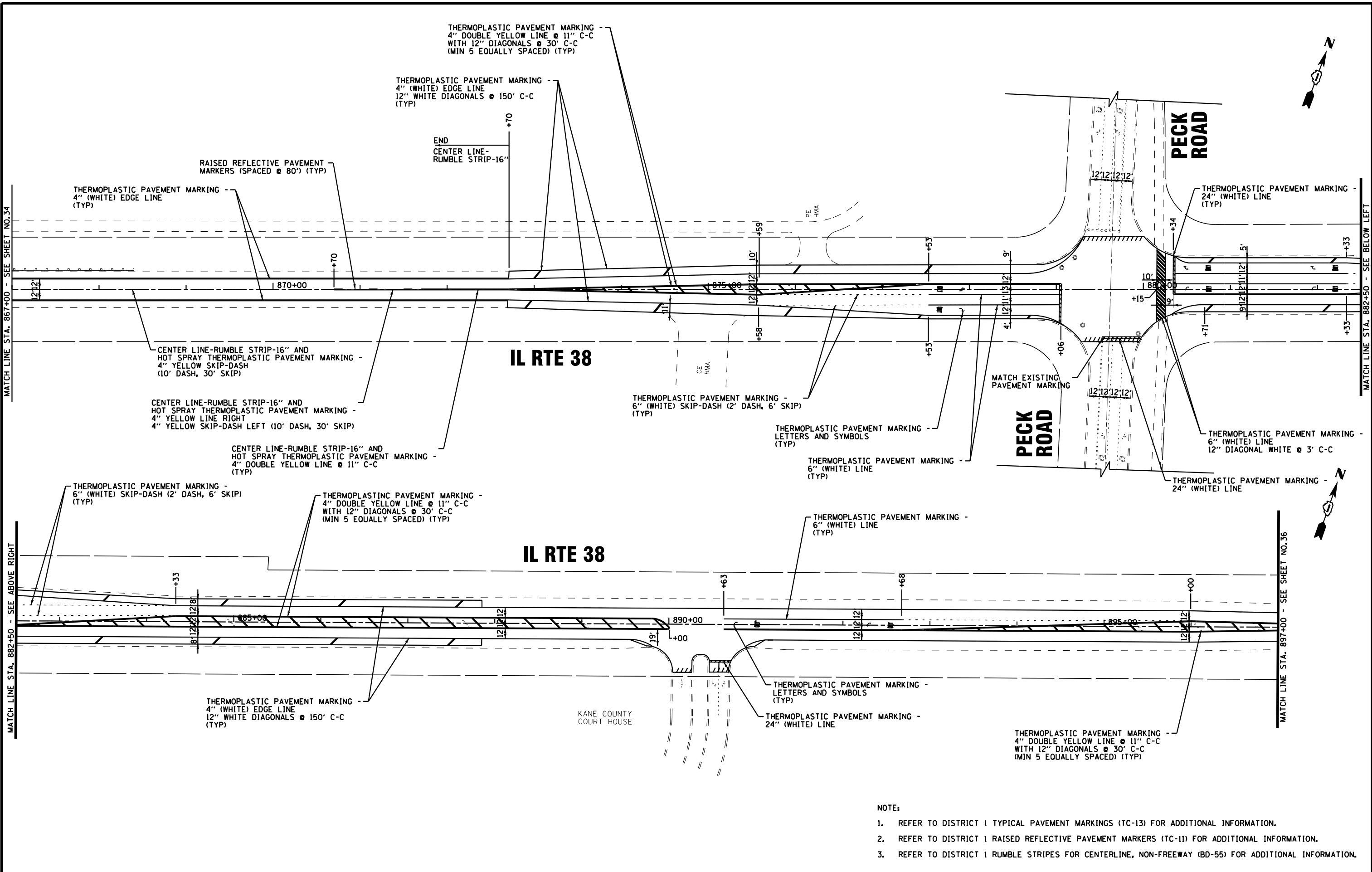
**IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
PAVEMENT MARKING PLAN**

SCALE: 1"=50'

STA. 837+00 TO STA. 867+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	34
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

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- NOTE:
- REFER TO DISTRICT I TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 - REFER TO DISTRICT I RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
 - REFER TO DISTRICT I RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY (BD-55) FOR ADDITIONAL INFORMATION.

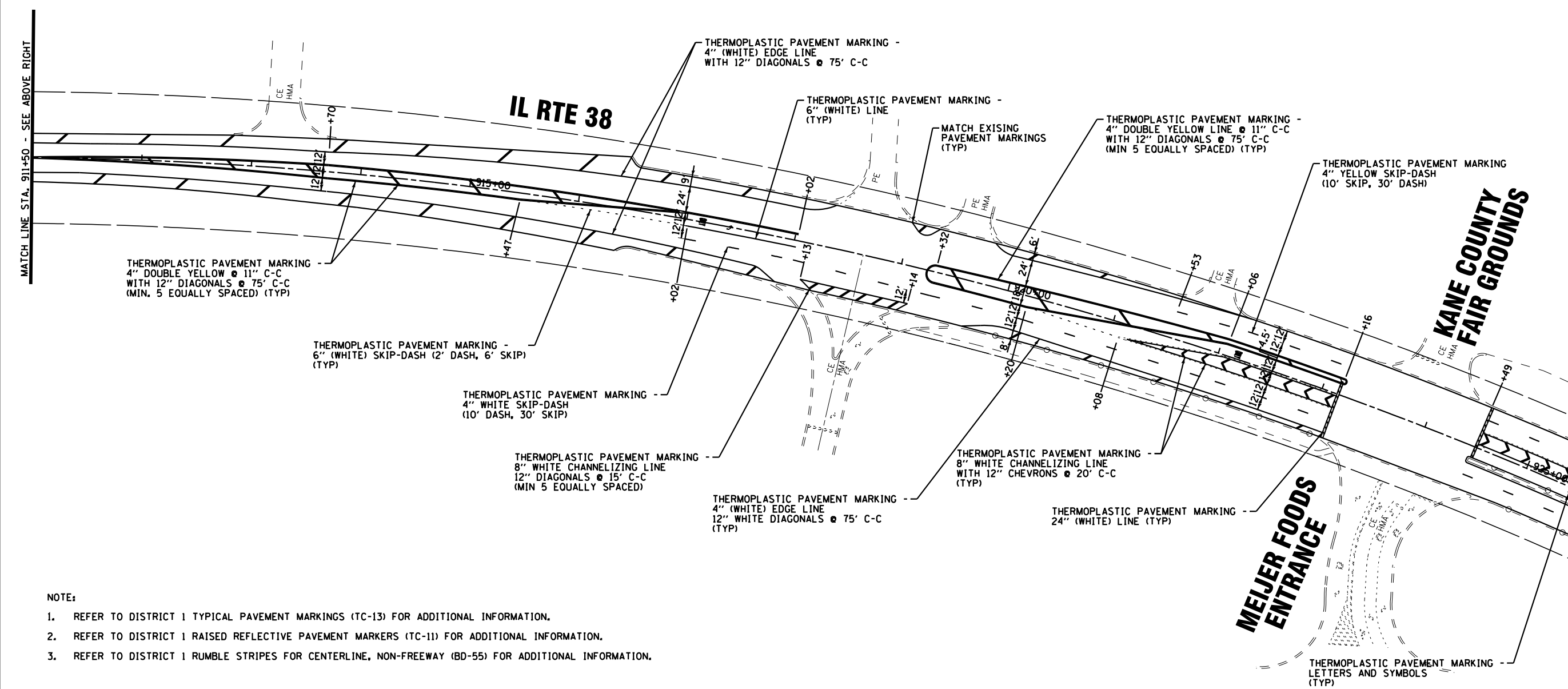
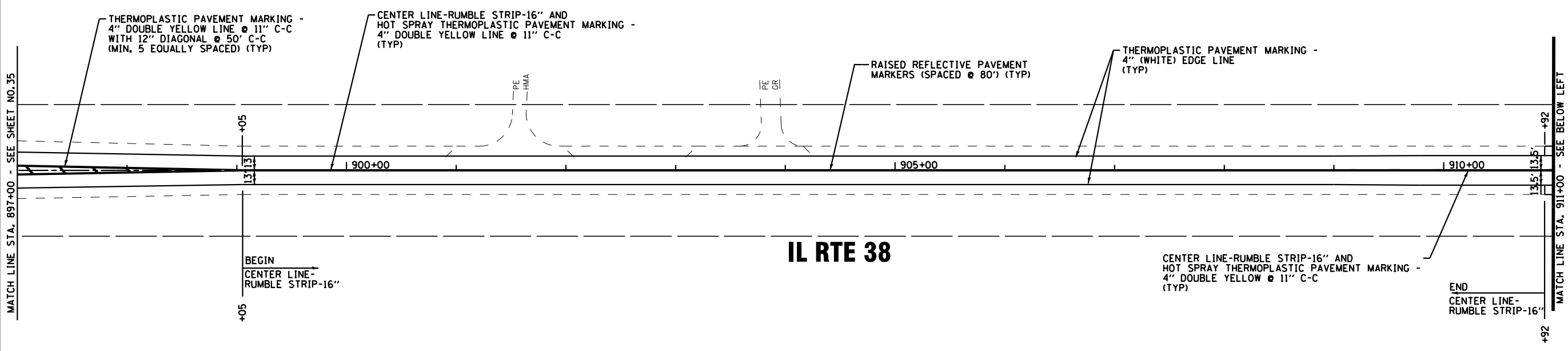
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DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 @ RUMBLE
DATE - 12-17-10	FILE - 100153-WO-17-PM11.sht

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38 IL ROUTE 47 TO IL ROUTE 31 PAVEMENT MARKING PLAN	
SCALE: 1"=50'	STA. 867+00 TO STA. 897+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	35
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED AID PROJECT				





- NOTE:
1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
 3. REFER TO DISTRICT 1 RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY (BD-55) FOR ADDITIONAL INFORMATION.

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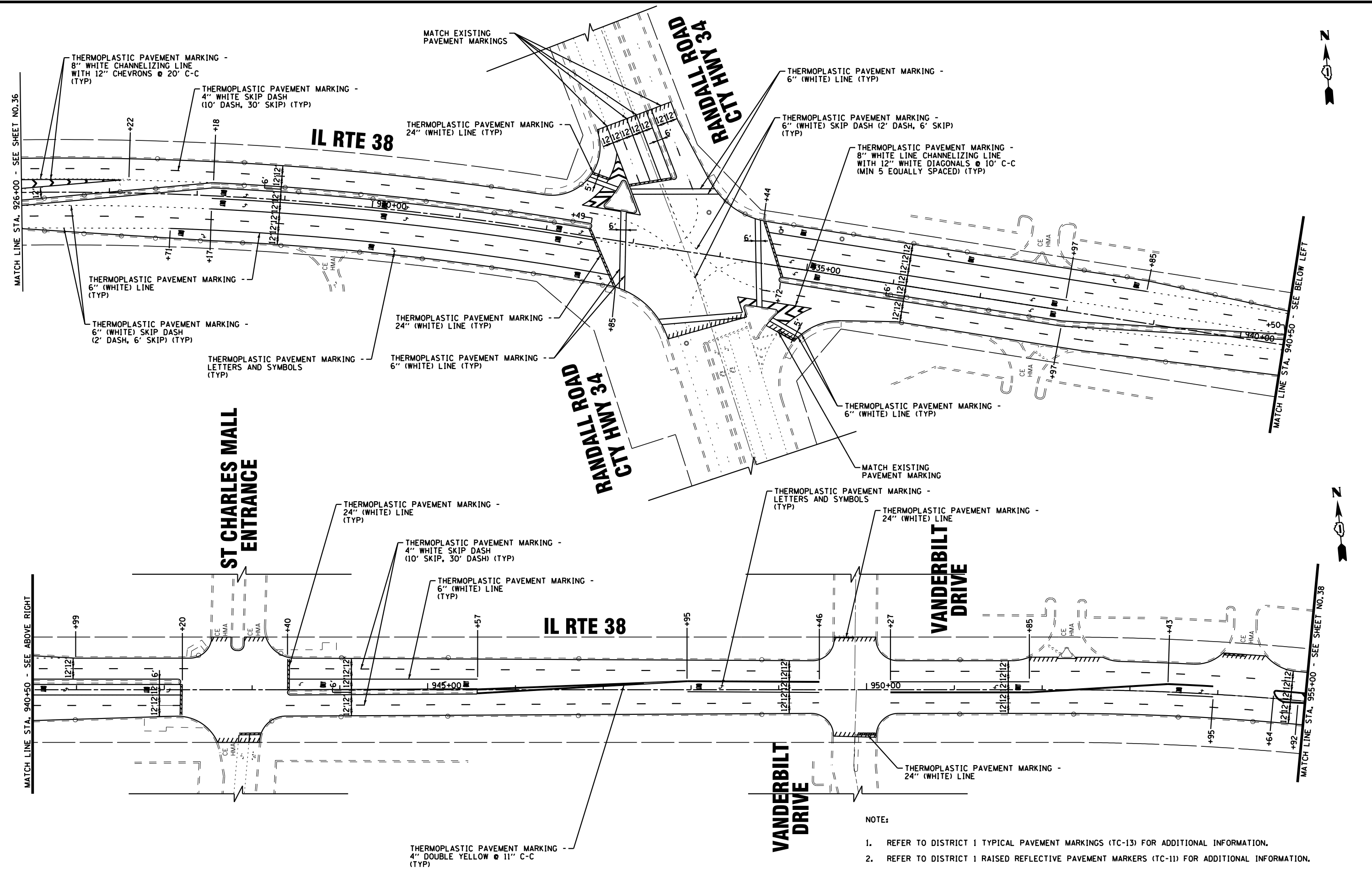
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	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
	CHECKED - RWL	REVISED - 5-12-14 @ RUMBLE
	DATE - 12-17-10	FILE - 100153-WO-17-PM2.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 38 IL ROUTE 47 TO IL ROUTE 31 PAVEMENT MARKING PLAN	
SCALE: 1"=50'	STA. 897+00 TO STA. 926+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	36
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

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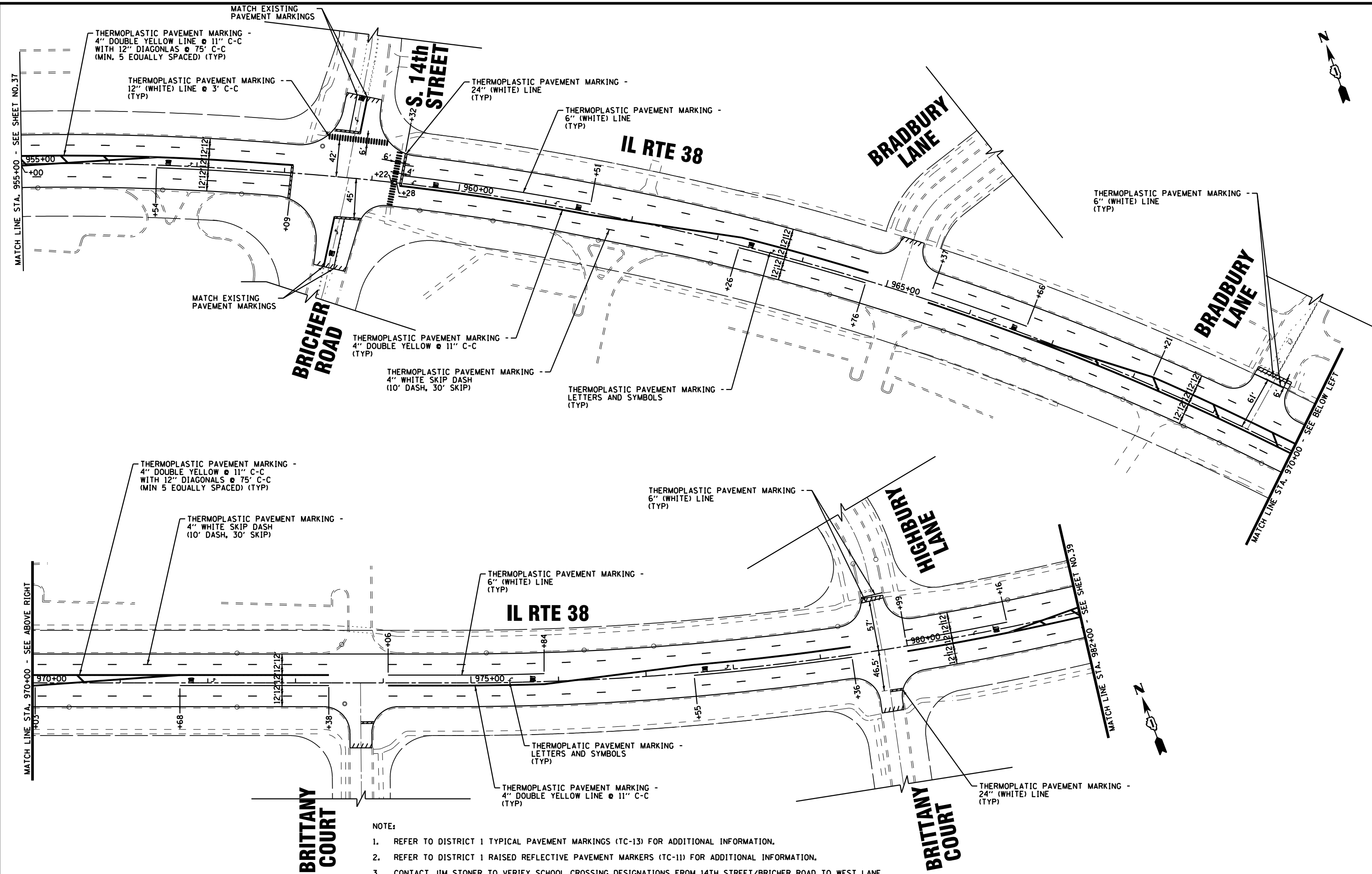
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DATE - 12-17-10	FILE - 100153-WO-17-PM13.sht

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38 IL ROUTE 47 TO IL ROUTE 31 PAVEMENT MARKING PLAN	
SCALE: 1"=50'	STA. 926+00 TO STA. 955+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	37
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

- NOTE:
- REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 - REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.



NOTE:

1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
3. CONTACT JIM STONER TO VERIFY SCHOOL CROSSING DESIGNATIONS FROM 14TH STREET/BRICHER ROAD TO WEST LANE.

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CHECKED - RWL	REVISED - 5-12-14 UPDATE
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

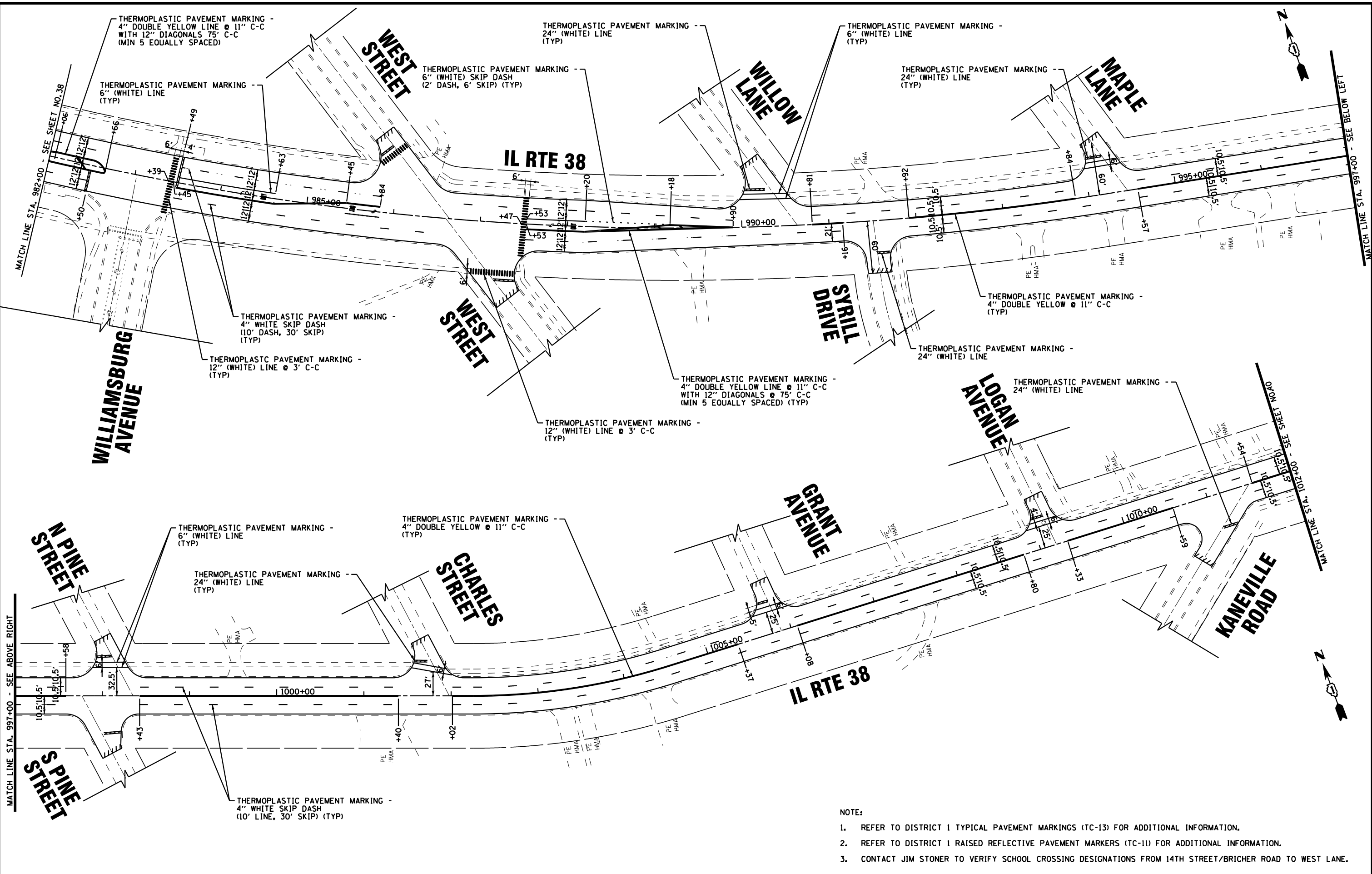
IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
PAVEMENT MARKING PLAN

SCALE: 1"=50'

STA. 955+00 TO STA. 982+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	38
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

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- NOTE:**
- REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 - REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
 - CONTACT JIM STONER TO VERIFY SCHOOL CROSSING DESIGNATIONS FROM 14TH STREET/BRICHER ROAD TO WEST LANE.

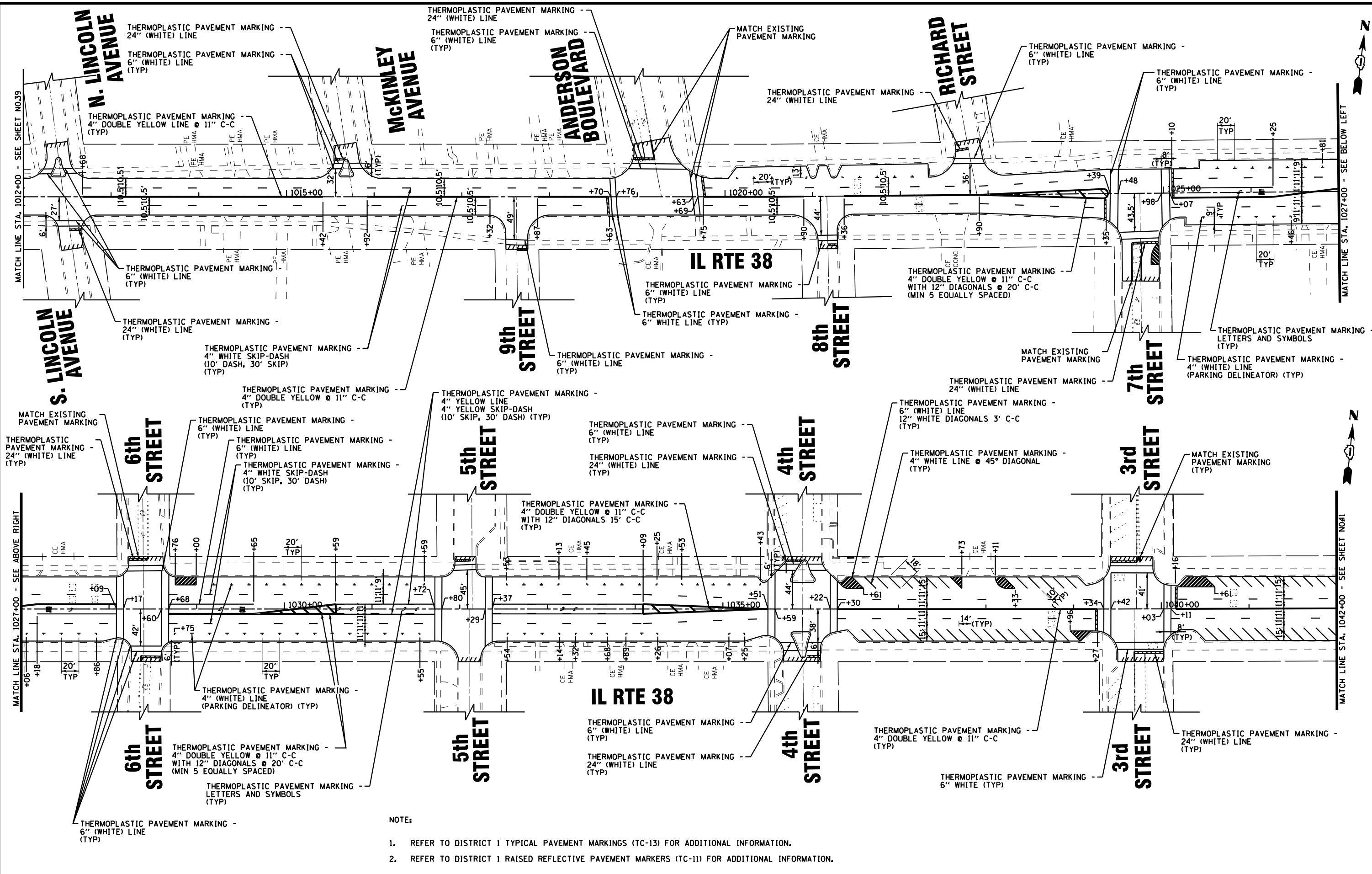
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	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
	CHECKED - RWL	REVISED - 5-12-14 UPDATE
	DATE - 12-17-10	FILE - 100153-WO-17-PM15.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38 IL ROUTE 47 TO IL ROUTE 31 PAVEMENT MARKING PLAN	
SCALE: 1"=50'	STA. 982+00 TO STA. 1012+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	39
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

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- NOTE:
1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.

DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 UPDATE
DATE - 12-17-10	FILE - 100153-WO-17-PM16.sht

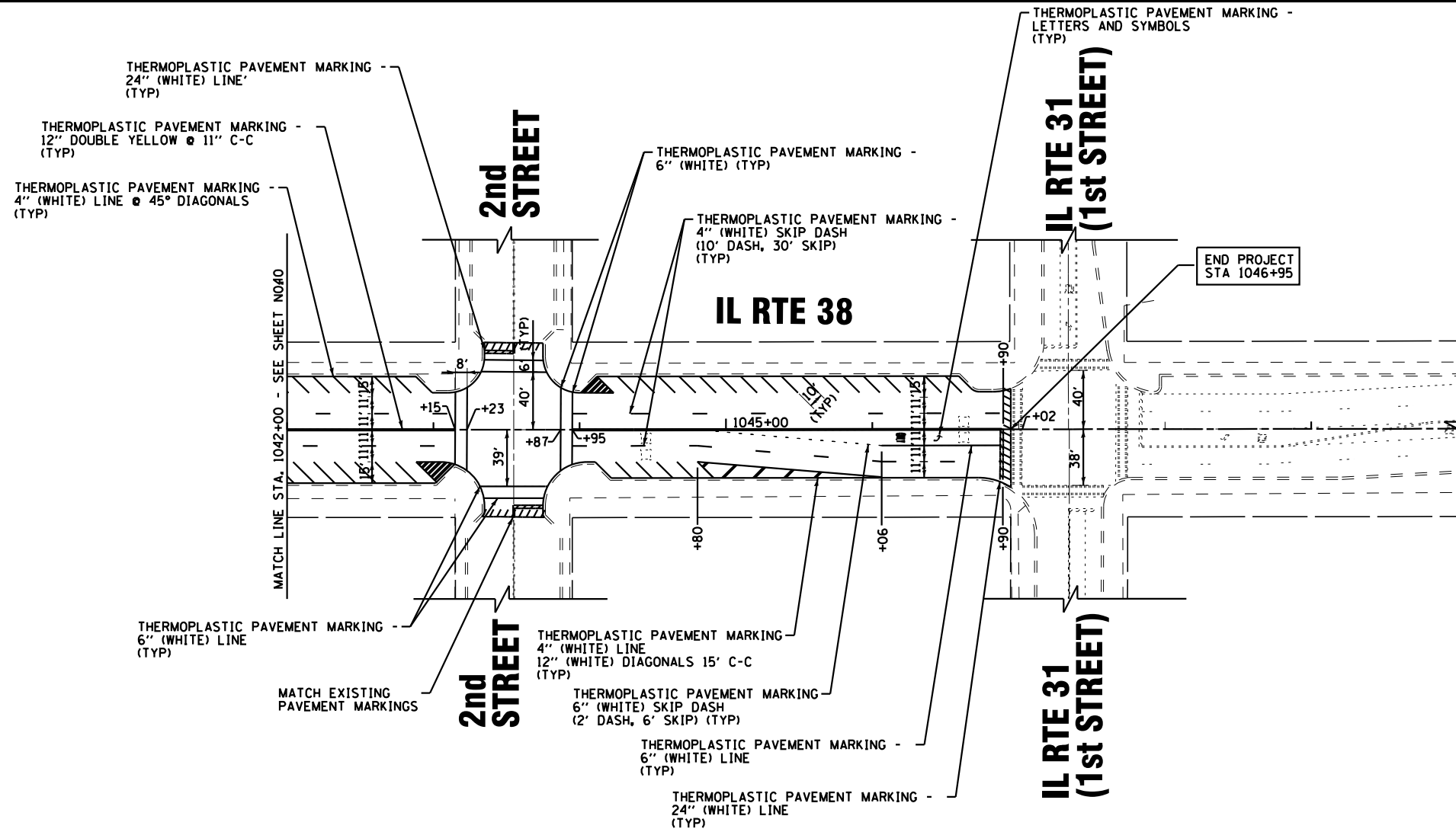
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 PAVEMENT MARKING PLAN

SCALE: 1"=50'

STA. 1012+00 TO STA. 1042+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	40
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



- NOTE:
- REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 - REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.

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DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 UPDATE
DATE - 12-17-10	FILE - 100153-WO-17-PM17.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
PAVEMENT MARKING PLAN

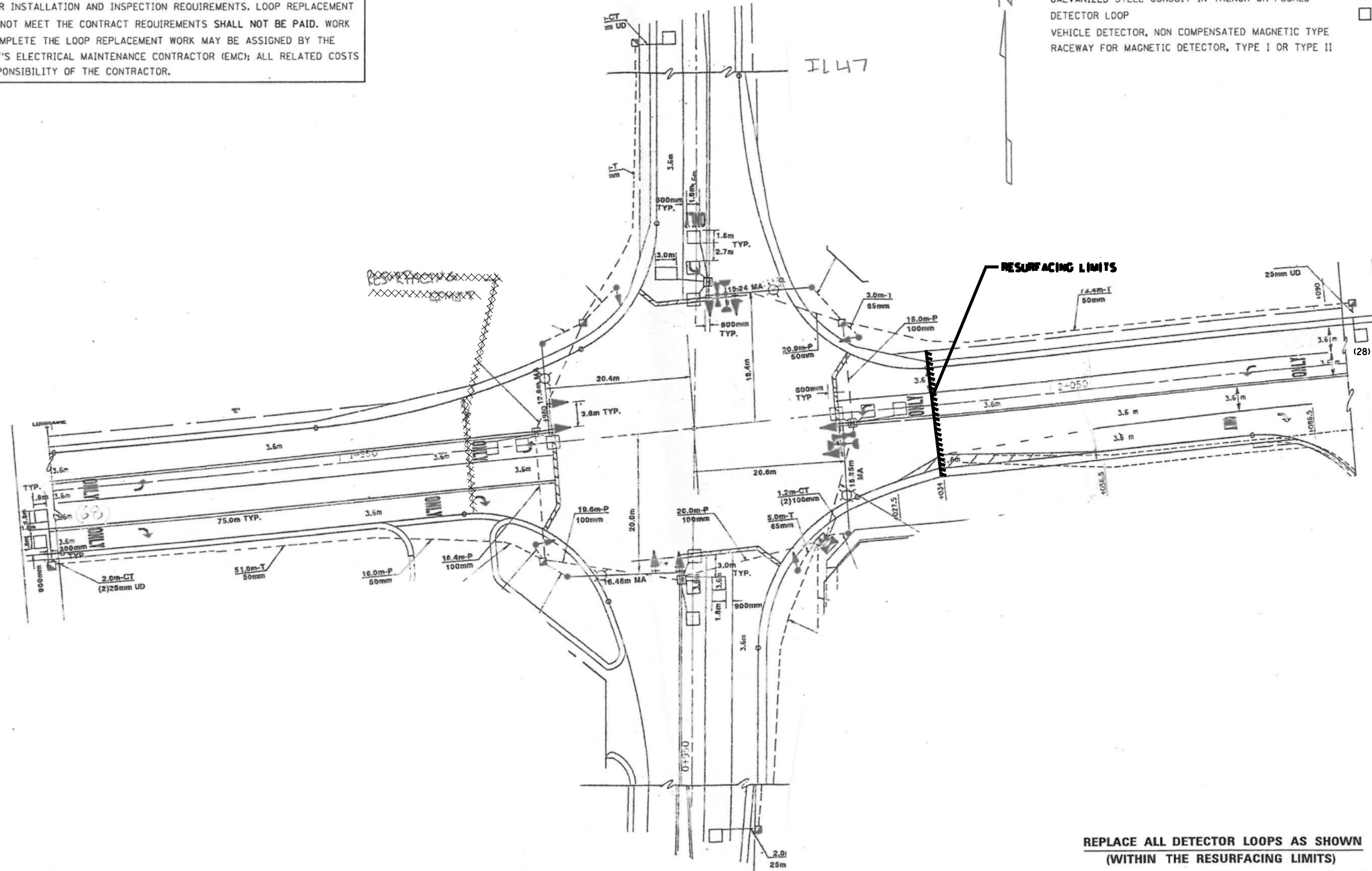
SCALE: 1"=50' STA. 1042+00 TO STA. 1050+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	41
C-91-308-11			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	28	FOOT	DETECTOR LOOP, REPLACEMENT

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED -
DATE - 12-17-10	FILE - 100153-WO-17-DET2.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
IL 38 @ IL 47**

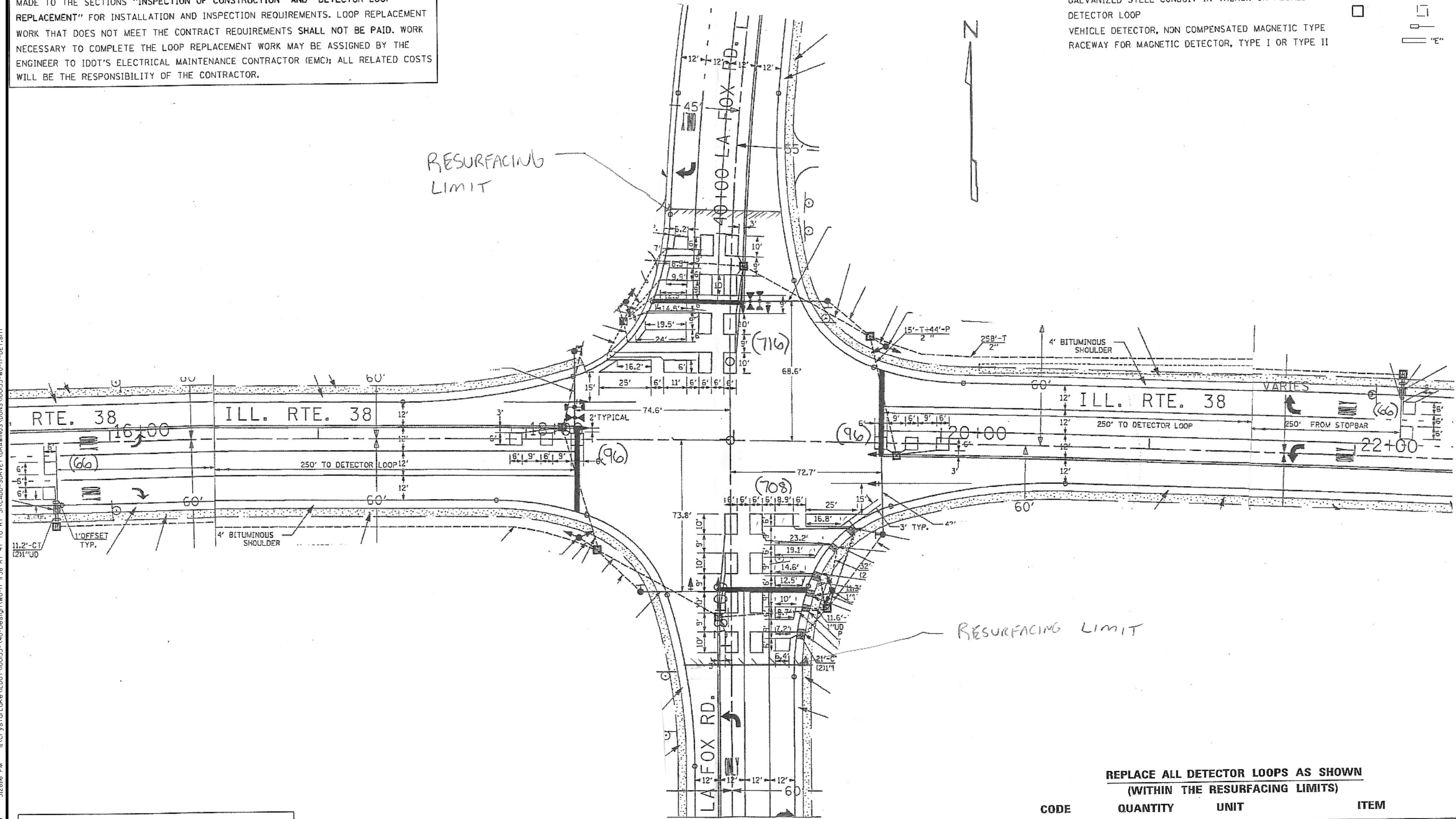
SCALE: STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	42
C-91-308-11			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	1748	FOOT	DETECTOR LOOP, REPLACEMENT

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED -
DATE - 12-17-10	FILE - 100153-WO-17-DET.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
IL 38 @ LAFOX RD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	43
C-91-308-11			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

SCALE: STA. TO STA.

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED -
DATE - 12-17-10	FILE - 100153-WO-17-DET.shx

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 IL 38 @ PECK RD

SCALE: STA. TO STA.

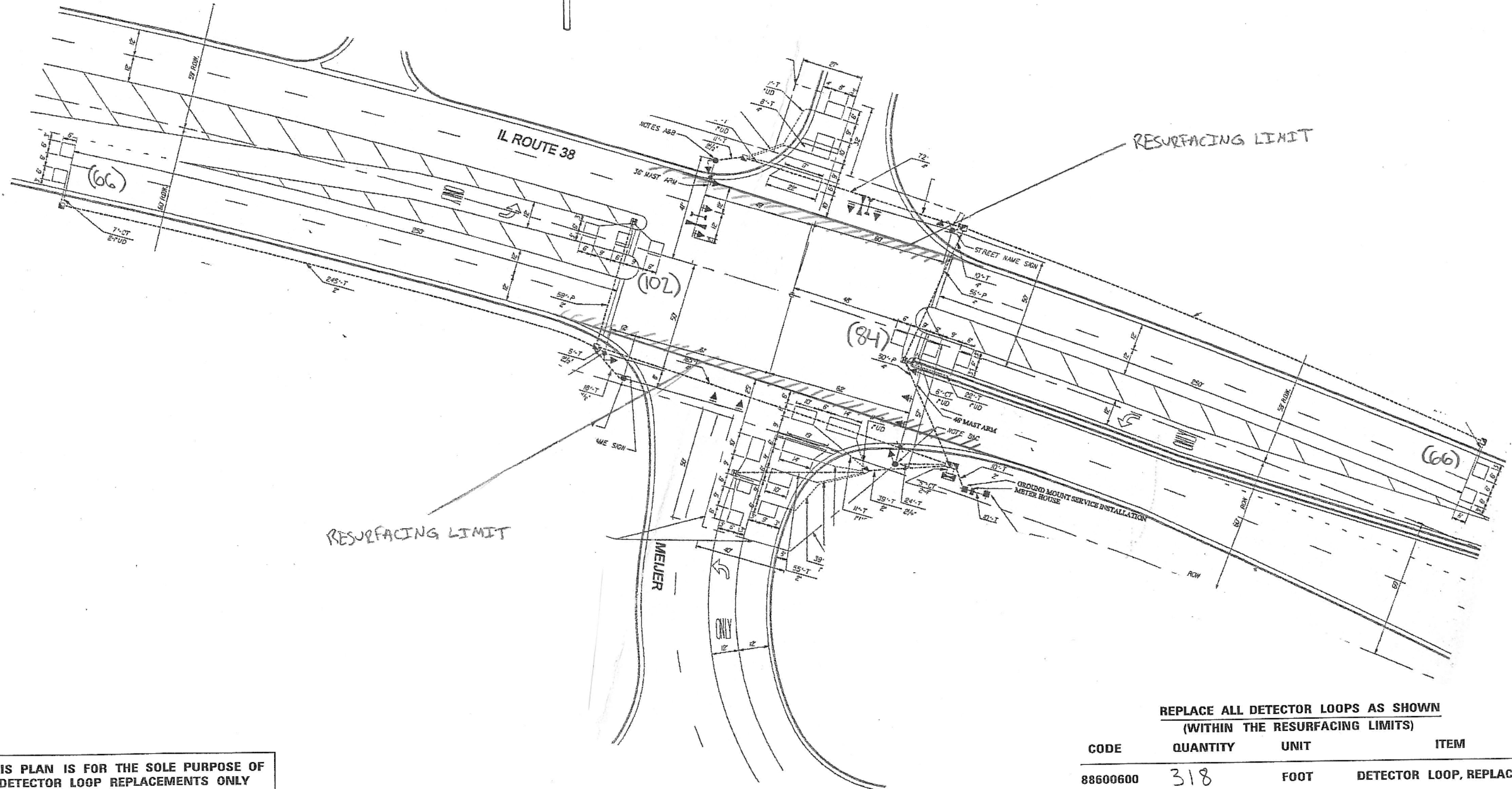
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	44
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

**DETECTOR LOOP LAYOUT FOR
 ILLINOIS ROUTE 38 AT PECK ROAD
 SHALL BE DETERMINED BY THE ENGINEER.
 A QUANTITY OF 192 FEET IS INCLUDED.**

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	318	FOOT	DETECTOR LOOP, REPLACEMENT

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED -
DATE - 12-17-10	FILE - 100153-WO-17-DET.sht

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 38
 IL ROUTE 47 TO IL ROUTE 31
 IL 38 @ MEIJER ENTRANCE**

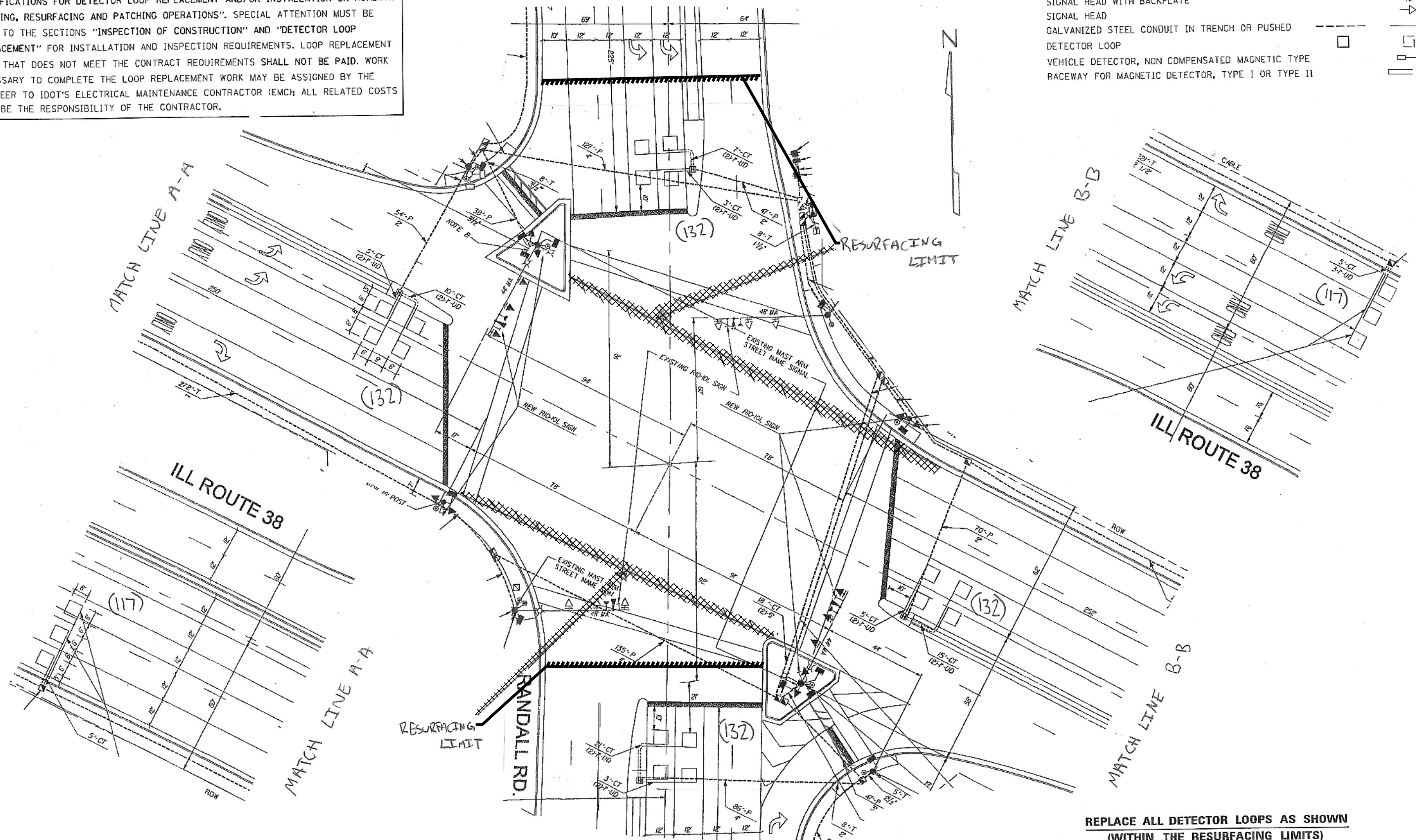
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	45
C-91-308-11			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

SCALE: STA. TO STA.

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	QUANTITY	UNIT	ITEM
88600600	498	630 FOOT	DETECTOR LOOP, REPLACEMENT

**THIS PLAN IS FOR THE SOLE PURPOSE OF
DETECTOR LOOP REPLACEMENTS ONLY**

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED -
DATE - 12-17-10	FILE - 100153-WO-17-DET.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
IL 38 @ RANDALL RD**

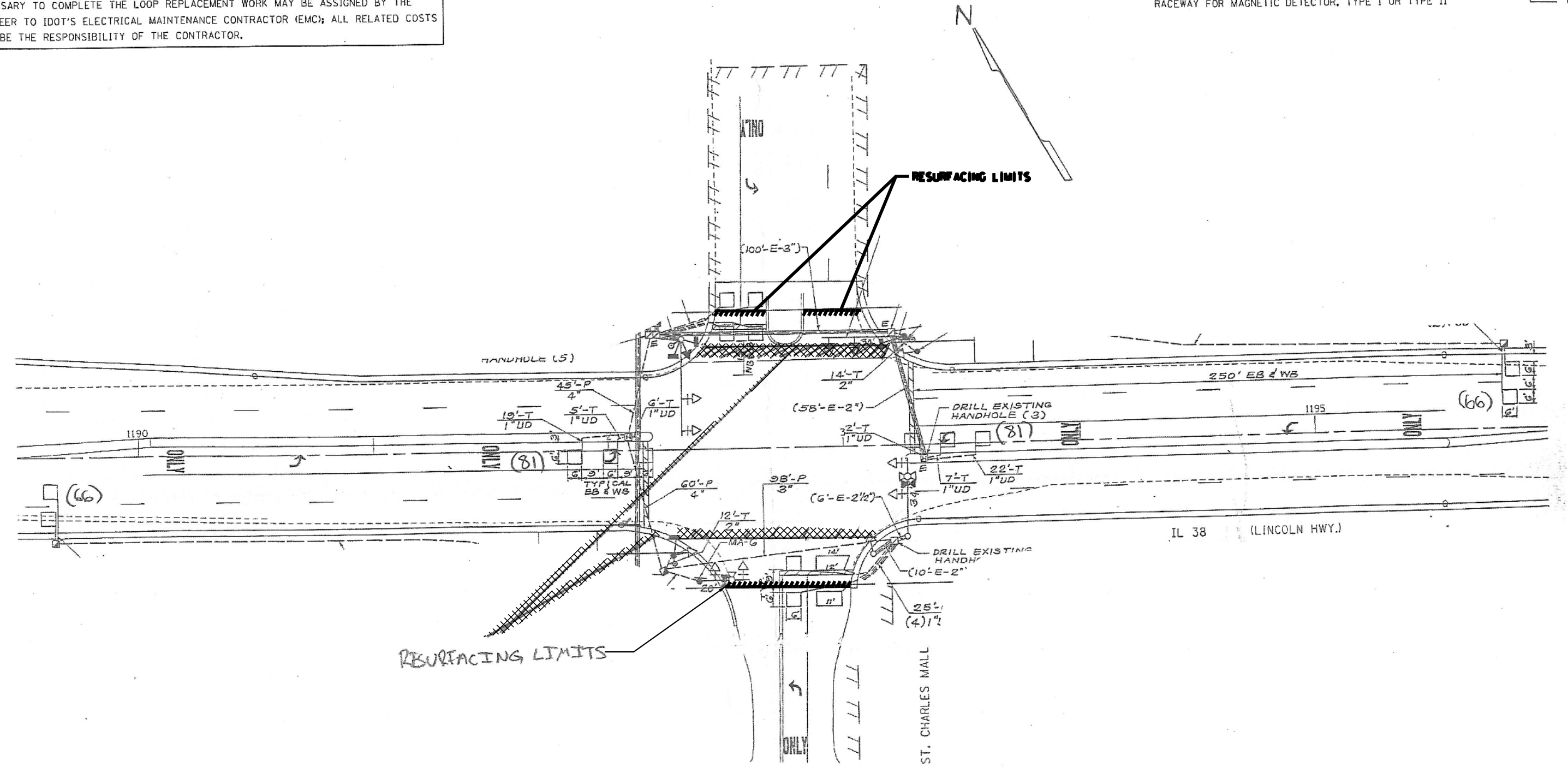
SCALE: STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	46
C-91-308-11			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	294	404 FOOT	DETECTOR LOOP, REPLACEMENT

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
	CHECKED - RWL	REVISED -
	DATE - 12-17-10	FILE - 100153-WO-17-DET.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 38 IL ROUTE 47 TO IL ROUTE 31 IL 38 @ ST CHARLES MALL	
SCALE:	STA. TO STA.

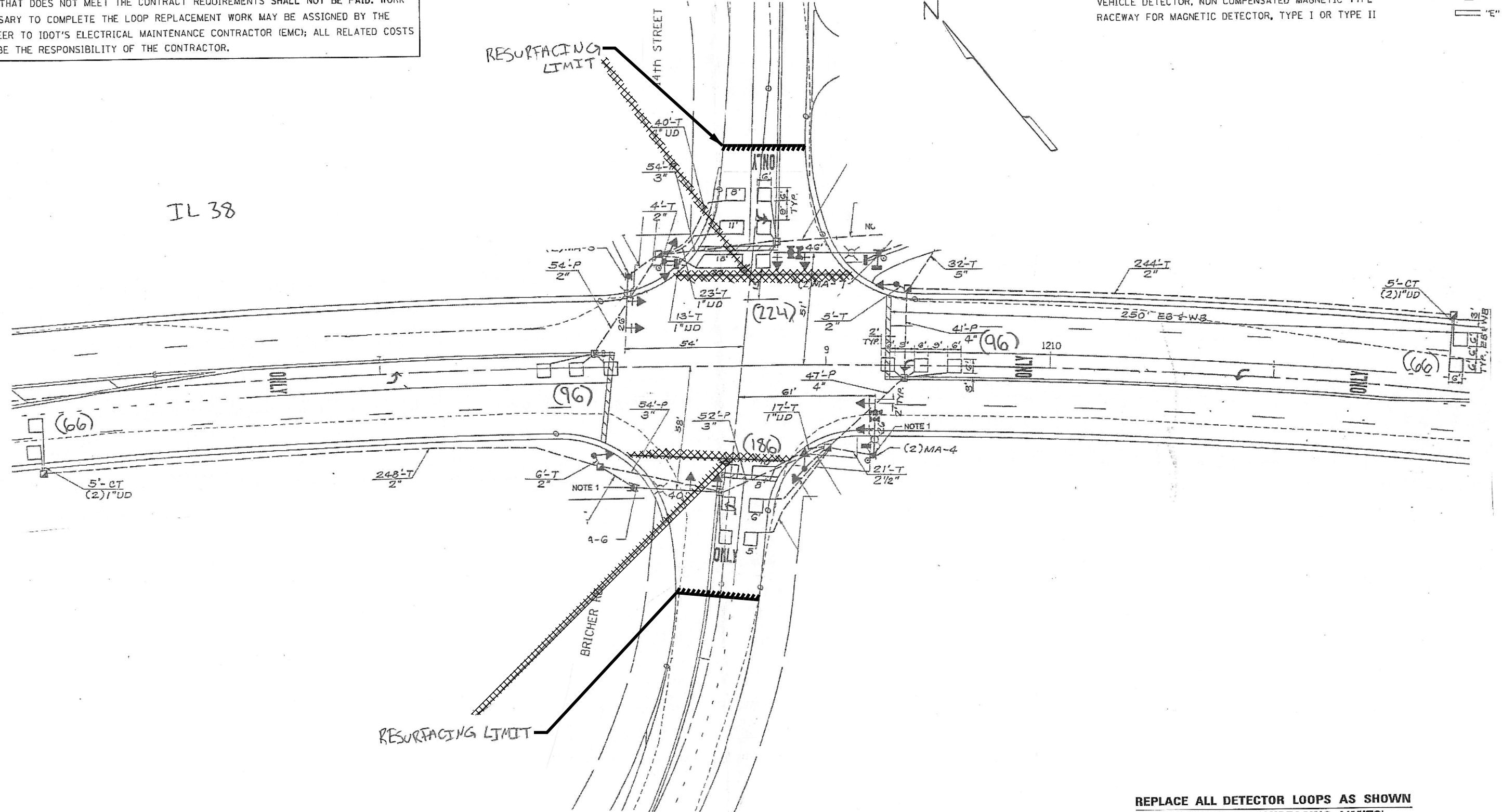
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	47
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		

IL 38



THIS PLAN IS FOR THE SOLE PURPOSE OF
DETECTOR LOOP REPLACEMENTS ONLY

REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	734	FOOT	DETECTOR LOOP, REPLACEMENT

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DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED -
DATE - 12-17-10	FILE - 100153-WO-17-DET.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
IL 38 @ BRICHER RD /14TH ST

SCALE: STA. TO STA.

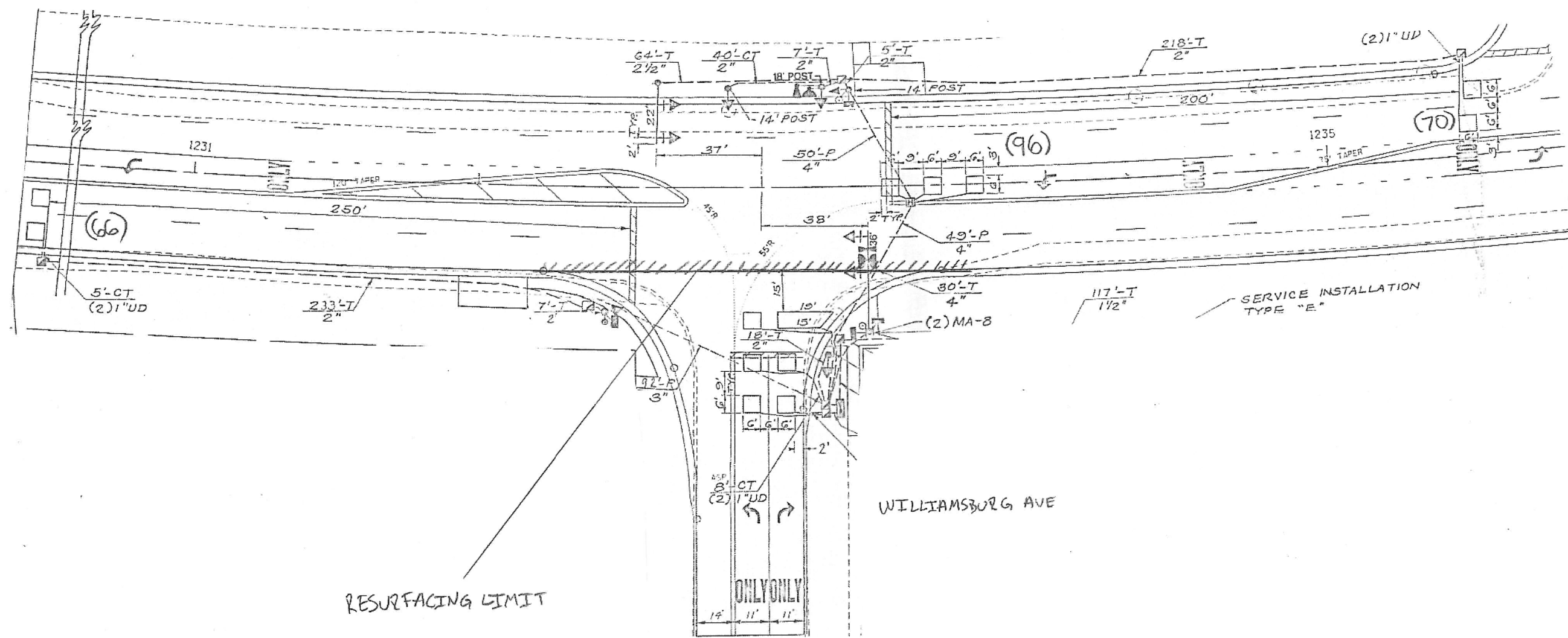
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	48
C-91-308-11			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	→	→
SIGNAL HEAD	→	→
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	---	---
DETECTOR LOOP	□	□
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	—	—
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	—	— "E"

IL 38



RESURFACING LIMIT

REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	232	FOOT	DETECTOR LOOP, REPLACEMENT

THIS PLAN IS FOR THE SOLE PURPOSE OF
DETECTOR LOOP REPLACEMENTS ONLY

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED -
DATE - 12-17-10	FILE - 100153-WO-17-DET.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
IL 38 @ WILLIAMSBURG AVE

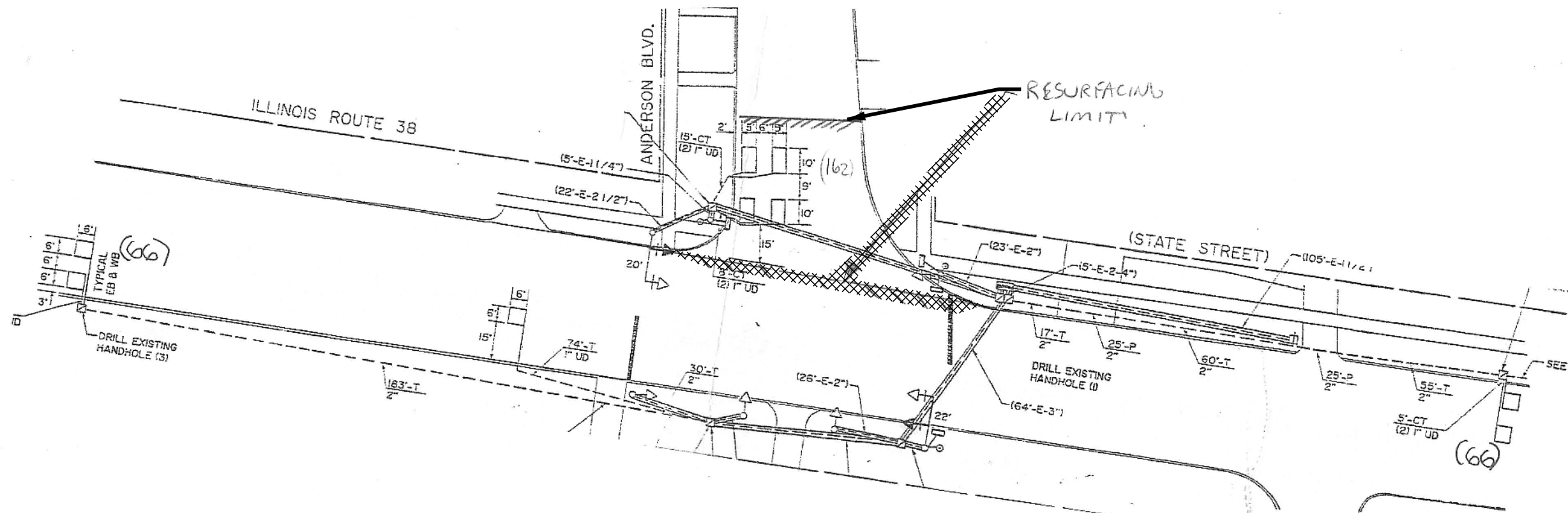
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	49
C-91-308-11			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

SCALE: STA. TO STA.

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	
SIGNAL HEAD	
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	
DETECTOR LOOP	
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	



**THIS PLAN IS FOR THE SOLE PURPOSE OF
DETECTOR LOOP REPLACEMENTS ONLY**

**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	QUANTITY	UNIT	ITEM
88600600	13/2 294	FOOT	DETECTOR LOOP, REPLACEMENT

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED -
DATE - 12-17-10	FILE - 100153-WO-17-DET.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
IL 38 @ ANDERSON BLVD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-R5-8	KANE	65	50
C-91-308-11			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

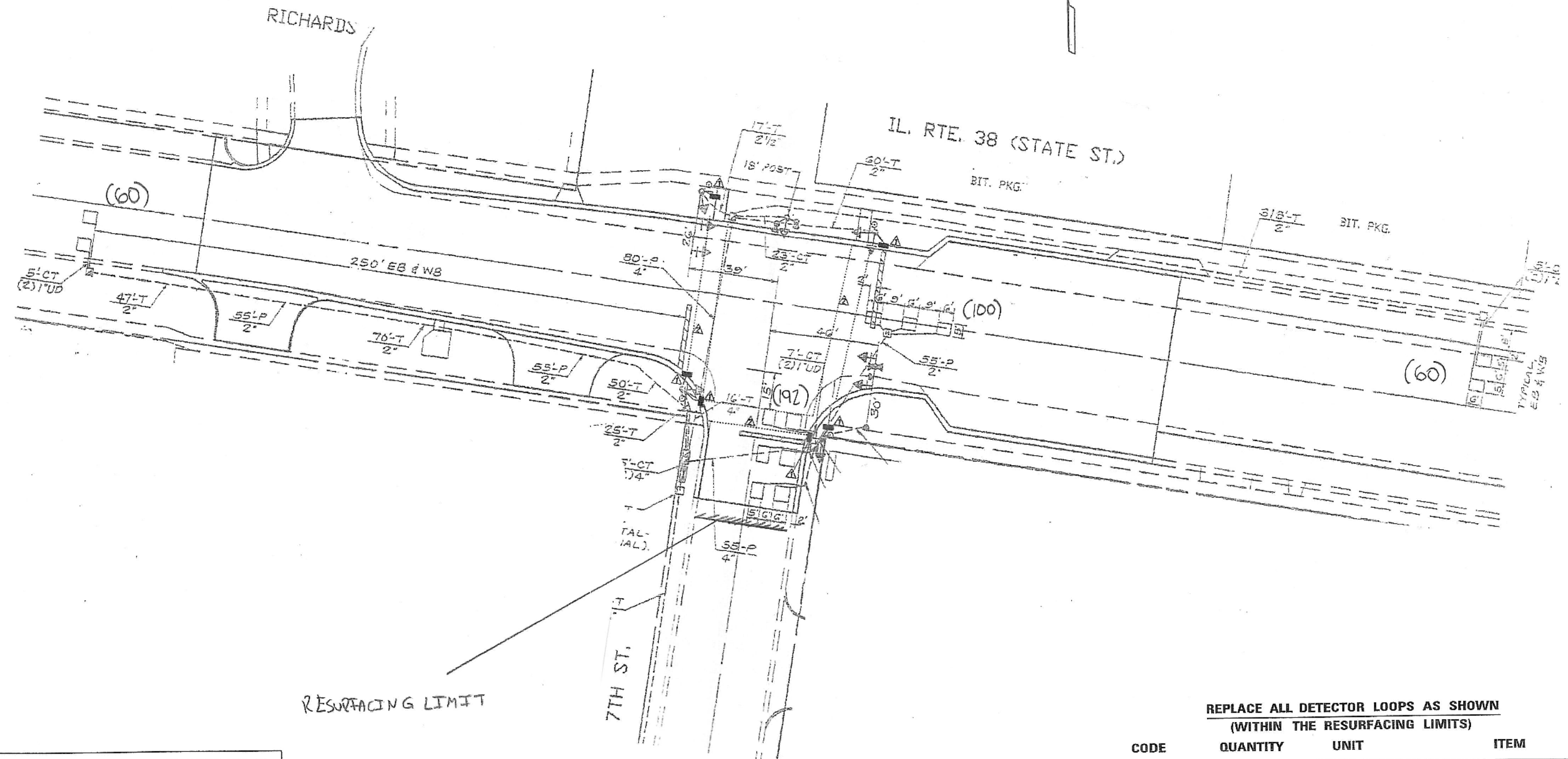


SCALE: STA. TO STA.

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	▲	▲
SIGNAL HEAD	▲	▲
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	- - - - -	- - - - -
DETECTOR LOOP	□	□
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

CODE	QUANTITY	UNIT	ITEM
88600600	412	FOOT	DETECTOR LOOP, REPLACEMENT

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED -
DATE - 12-17-10	FILE - 100153-WO-17-DET.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
IL 38 @ 7TH ST

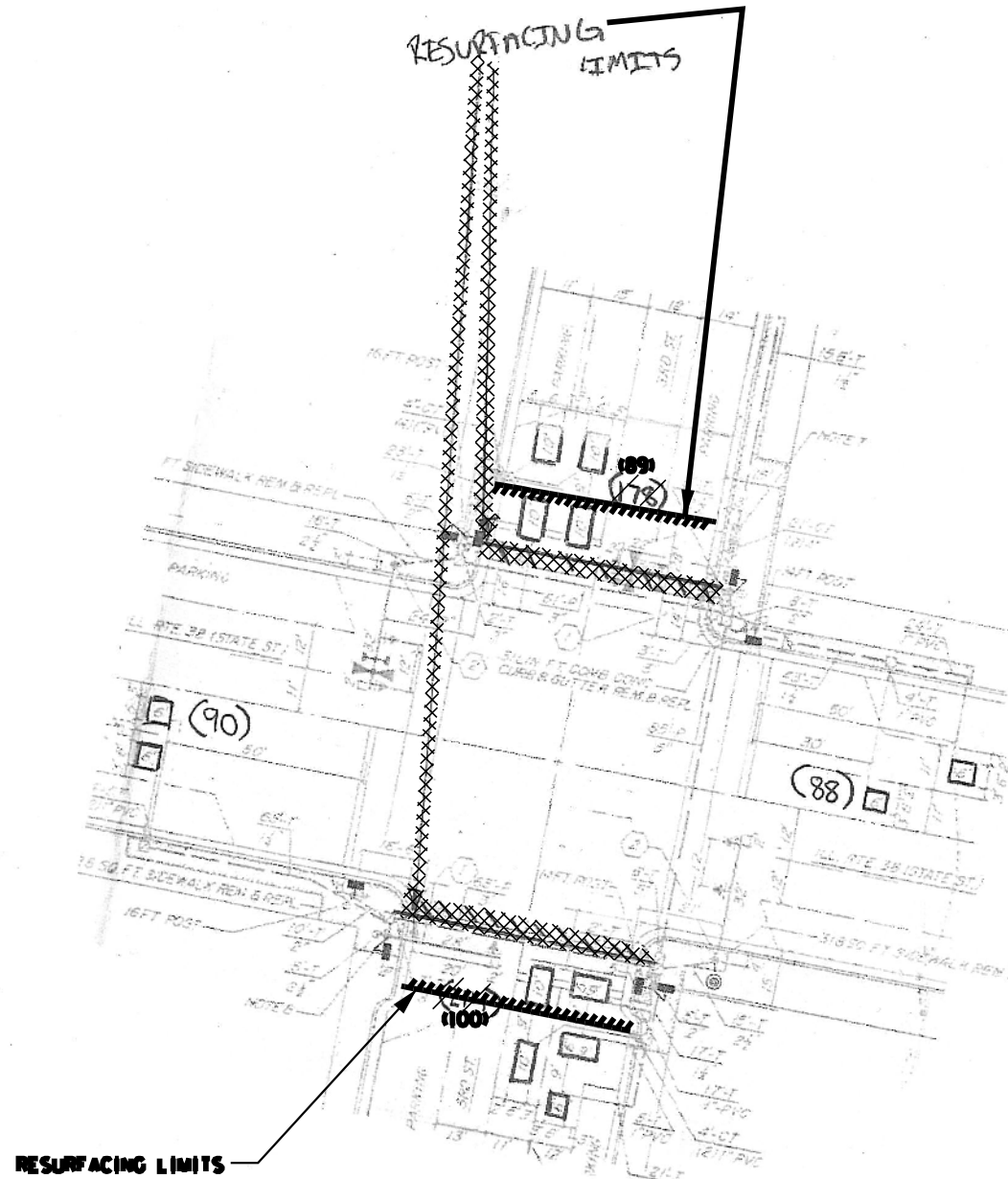
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	51
C-91-308-11			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

SCALE: STA. TO STA.

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	→
SIGNAL HEAD	→
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	---
DETECTOR LOOP	□
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	⊃
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	⊃ "E"



**THIS PLAN IS FOR THE SOLE PURPOSE OF
DETECTOR LOOP REPLACEMENTS ONLY**

CODE	QUANTITY	UNIT	ITEM
88600600	178367	FOOT	DETECTOR LOOP, REPLACEMENT

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
	CHECKED - RWL	REVISED -
	DATE - 12-17-10	FILE - 100153-WO-17-DET.sht

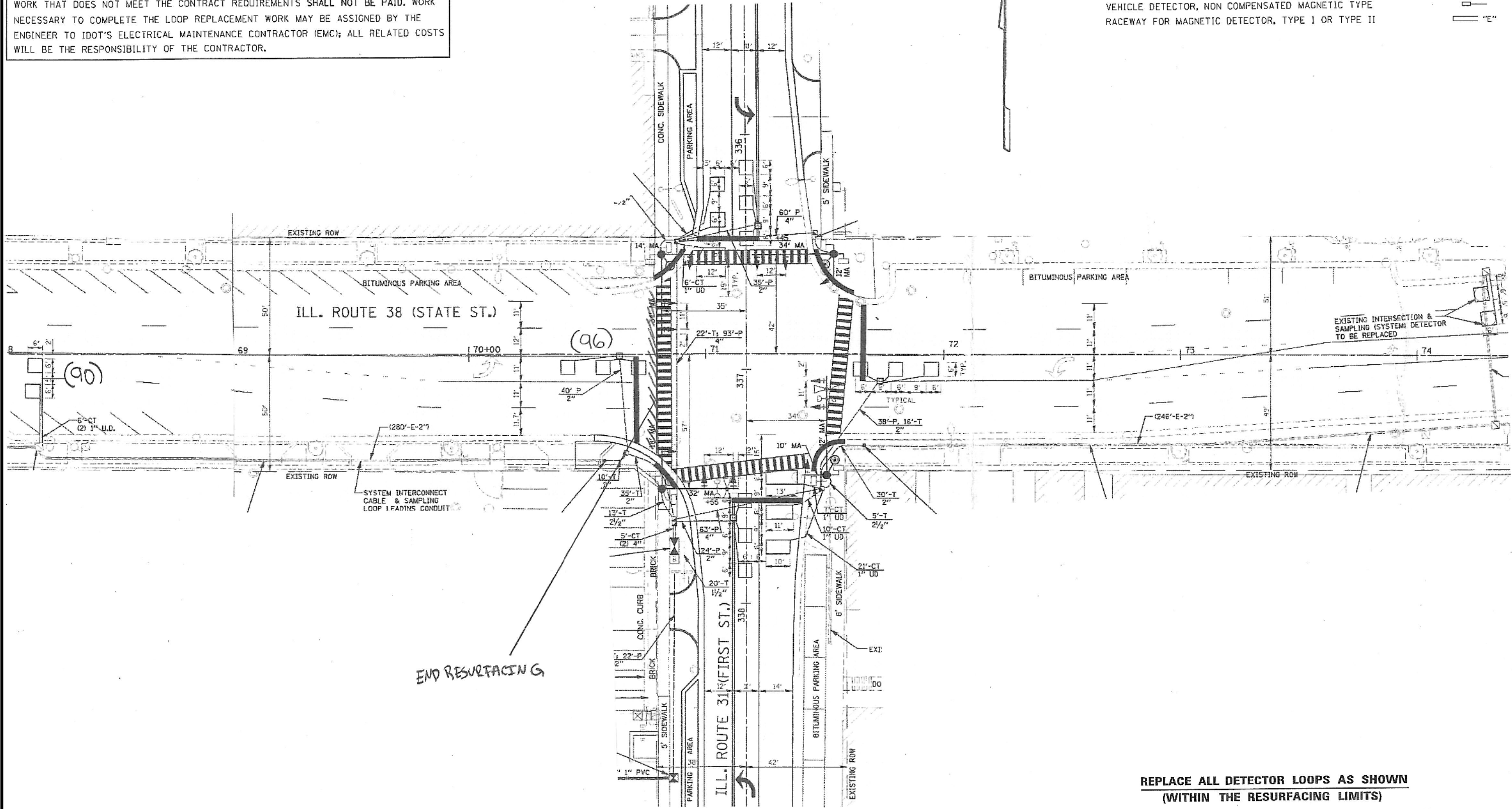
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DEPARTMENT OF TRANSPORTATION**

IL ROUTE 38 IL ROUTE 47 TO IL ROUTE 31 IL 38 @ 3RD ST		F.A.P. RTE. 347	SECTION 4R-R5-8	COUNTY KANE	TOTAL SHEETS 65	SHEET NO. 52
SCALE:	STA. TO STA.	C-91-308-11 FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	→	→
SIGNAL HEAD	→	→
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	---	---
DETECTOR LOOP	□	□
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	—	—
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	—	—



EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTOR TO BE REPLACED

END RESURFACING

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

CODE	QUANTITY	UNIT	ITEM
88600600	186	FOOT	DETECTOR LOOP, REPLACEMENT

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DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED -
DATE - 12-17-10	FILE - 100153-WO-17-DET.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

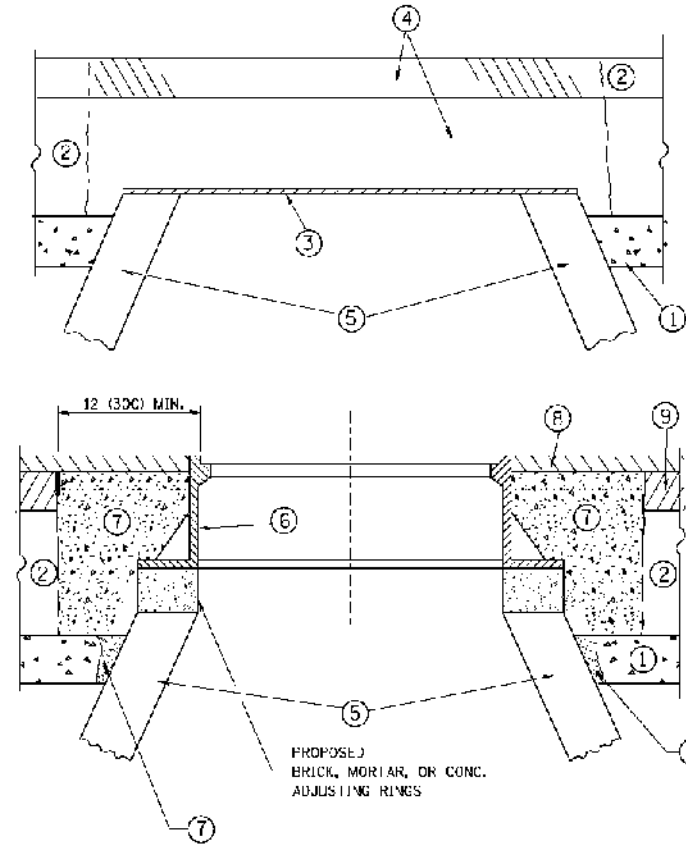
**IL ROUTE 38
IL ROUTE 47 TO IL ROUTE 31
IL 38 @ IL 31 (1ST ST)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	53
C-91-308-11		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED AID PROJECT				



SCALE: STA. TO STA.

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NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

(FIG-N)

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS PP-1* CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME -	USER NAME - bwo-d	DESIGNED - R. SHAH	REVISED - R. WILCOXMAN 05-14-04
...	...	DRAWN	REVISED - R. BORO 01-01-07
...	...	CHECKED	REVISED - T. BORO 05-09-11
...	...	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	54
BD600-03 (BD-8)		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 OF 10 INDIANAPOLIS AND INDIC. C-91-308-11				

HMA REMOVAL OVER PATCHES
(SEE TYPICAL SECTIONS FOR THICKNESS)
AND HMA REPLACEMENT OVER PATCHES
FOR PATCHING FIRST CONSTRUCTION

SAW CUT/SCORING EXIST. HMA
OVERLAY, TYPICAL (INCLUDED IN THE COST
OF HMA REMOVAL OVER PATCHES FOR PATCHING
FIRST CONSTRUCTION OR IN THE COST OF PAVEMENT
PATCHING FOR MILL FIRST CONSTRUCTION).

6 (150) MIN.
FOR PATCHING FIRST CONSTRUCTION

* TOP OF EXIST. HMA
OR MILLED SURFACE

CLASS C OR CLASS D
PATCH OF 11
THICKNESS SPECIFIED

SAW CUT/SCORING, TYPICAL (INCLUDED IN
THE COST OF PAVEMENT PATCHING)

* EXISTING PAVEMENT

PROPOSED UNSUITABLE SUBGRADE REMOVAL AND REPLACEMENT

SEE NOTE 1.

UTILITY OR STORM SEWER TRENCH

* SEE TYPICAL SECTIONS FOR
THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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FILE NAME -	USER NAME - bauerjl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
PROJECT SCALE - 50.000' / 1"		CHECKED -	REVISED - R. JORD 01-01-07
PLOT DATE - 12/27/2000		DATE - 10-25-94	REVISED - R. BORO 09-04-07
			REVISED - K. LING 10-27-08

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	55
BD400-04 (BD-22)			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

C-91-308-11

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

1/2" (13) * X

18" (450) MAX.

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOG OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SOGGING SALT TOLERANT WITH TOP SOG, 4" (100) SOG RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FINISH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SOGGING, SALT TOLERANT AND TOP SOG, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

② FERTILIZER FOR THE PLACEMENT OF THE SOGS IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENTS ALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF PAVED SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH FITTER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE DISAPPEAR AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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FILE NAME	USER NAME	DESIGNED -	REVISED -
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		DRAWN -	REVISED -
		M. GOMEZ	A. BEASLEY 03-20-97
		CHECKED -	REVISED -
			M. GOMEZ 01-22-01
		DATE -	REVISED -
		03-11-04	R. BORO 12-15-09

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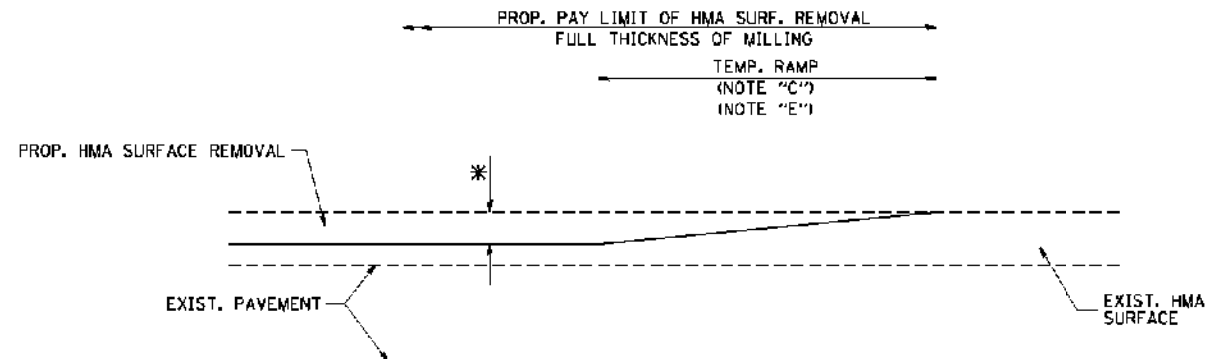
**CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

T.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	56
BD600-06 (BD-24)			CONTRACT NO. 60N38	

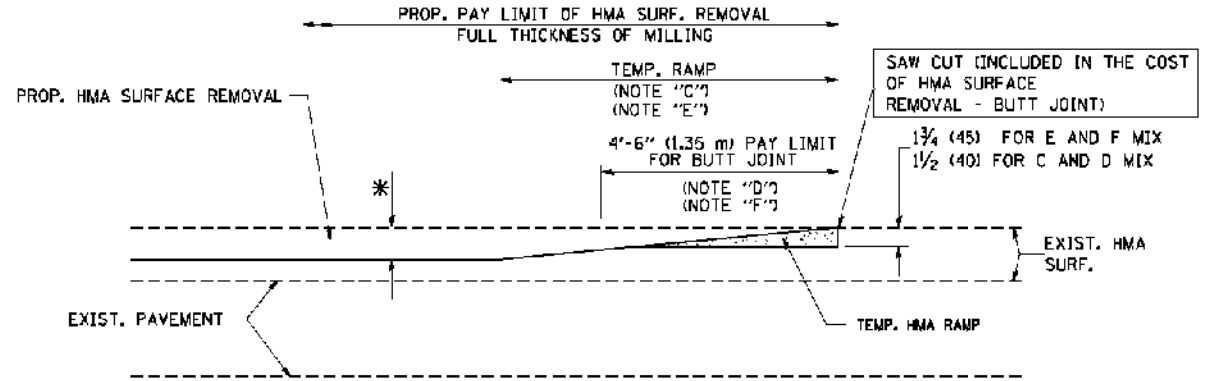
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C-91-308-11



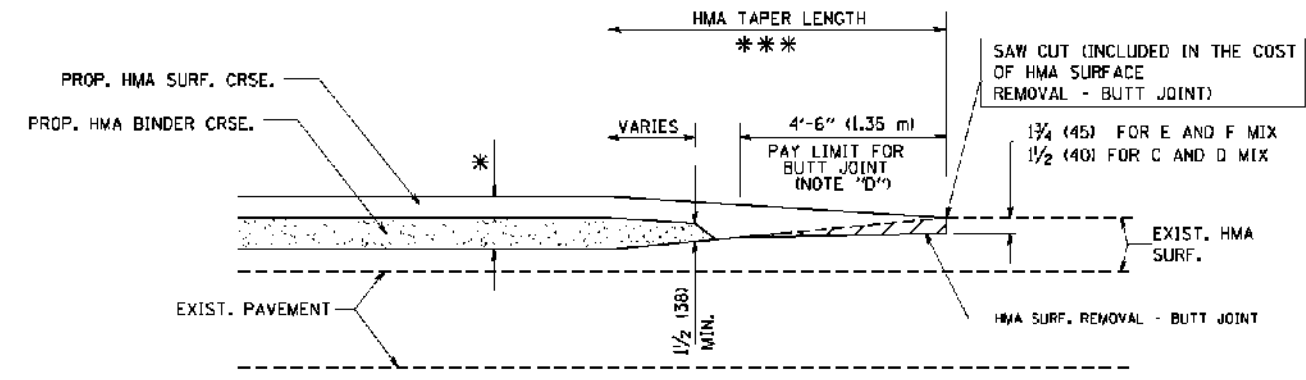
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

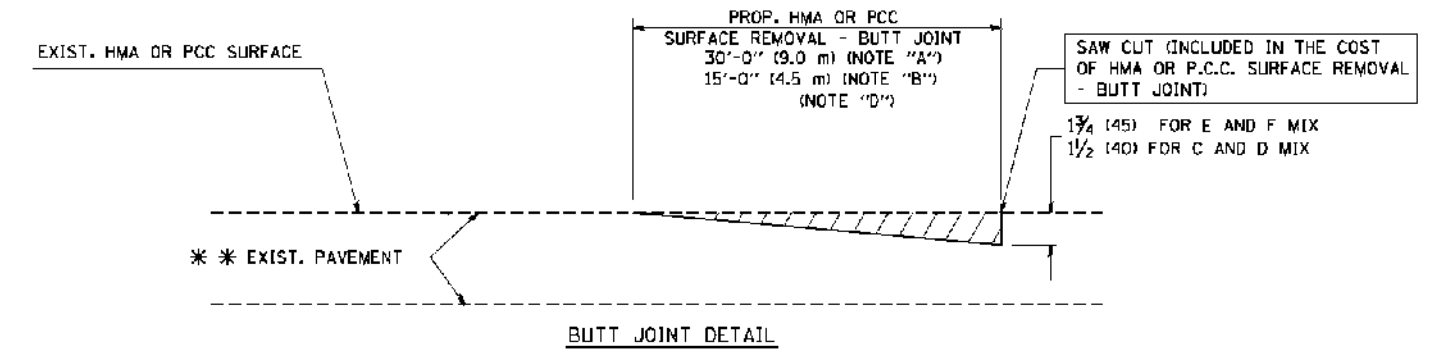


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

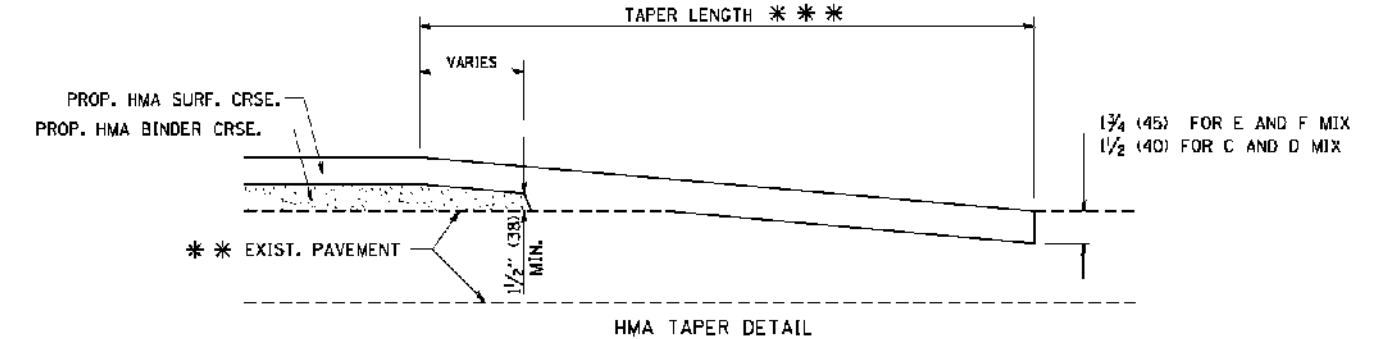
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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FILE NAME - W:\shah\10-25-94\3134.dwg	USER NAME - goglenoot	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
PLCT SCALE - 50.0000 / 1 IN	DRAWN - A. ABBAS 03-21-97	CHECKED - M. GOMEZ 04-06-01	REVISED - A. ABBAS 03-21-97
PLCT DATE - 1/4/2008	DATE - 06-13-90	REVISED - R. BORD 01-01-07	REVISED - M. GOMEZ 04-06-01

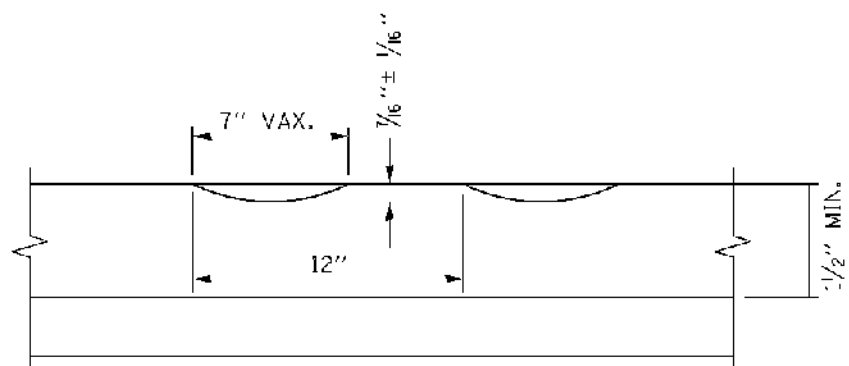
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BUTT JOINT AND
HMA TAPER DETAILS

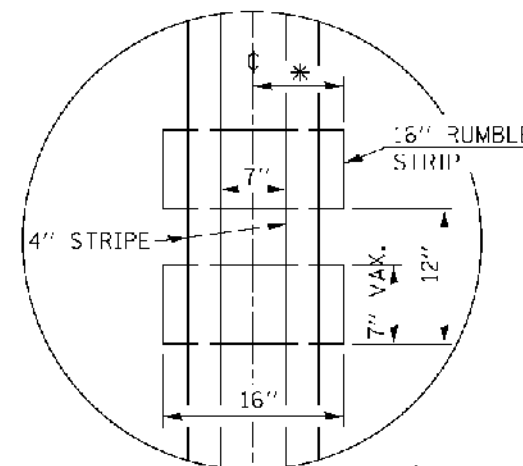
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 347	SECTION 4R-RS-8	COUNTY KANE	TOTAL SHEETS 65	SHEET NO. 57
BD400-05 8032			CONTRACT NO. 60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

C-91-308-11



SECTION A-A



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

DETAIL B

GENERAL NOTES

CENTERLINE RUMBLE STRIPS SHALL BE CONSTRUCTED ACCORDING TO SECTION 642 ALONG THE CENTERLINE OF PAVEMENT.

SEE STANDARD 780001 FOR OTHER STRIPING LAYOUTS.

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.

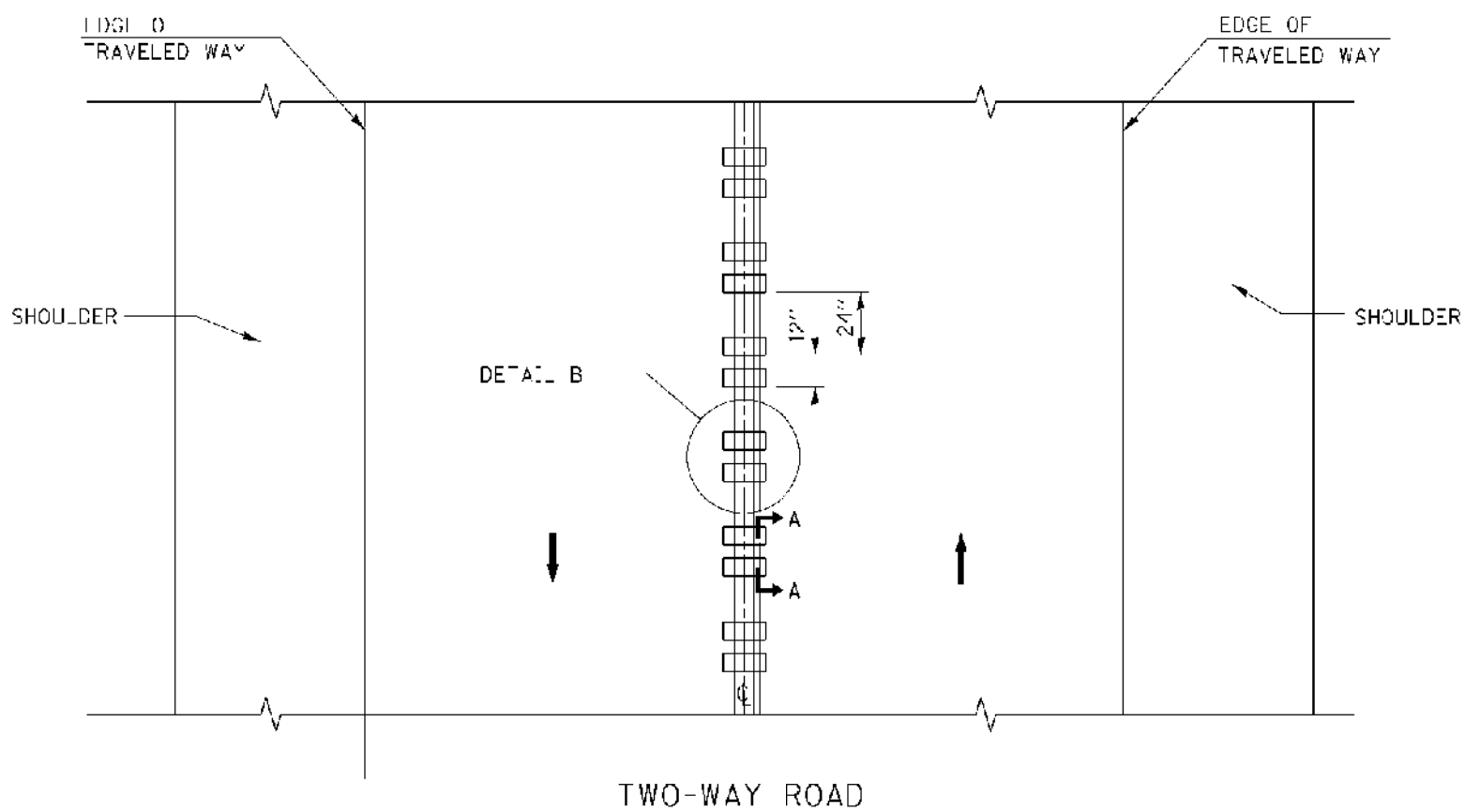
AFTER RUMBLE STRIPS ARE INSTALLED, THE PAVEMENT SURFACE SHALL BE SWEEP CLEAN PRIOR TO THE PLACEMENT OF THE NEW PAVEMENT MARKINGS.

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

BASIS OF PAYMENT

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR CENTERLINE-RUMBLE STRIP OF THE WIDTH SPECIFIED.

HOI-SPRAY THERMOPLASTIC PAVEMENT MARKING WILL BE USED OVER THE RUMBLE STRIPS, AND WILL BE PAID FOR SEPARATELY.



TWO-WAY ROAD

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...	...	CHECKED	REVISED
...	...	DATE - 08-06-2012	REVISED -

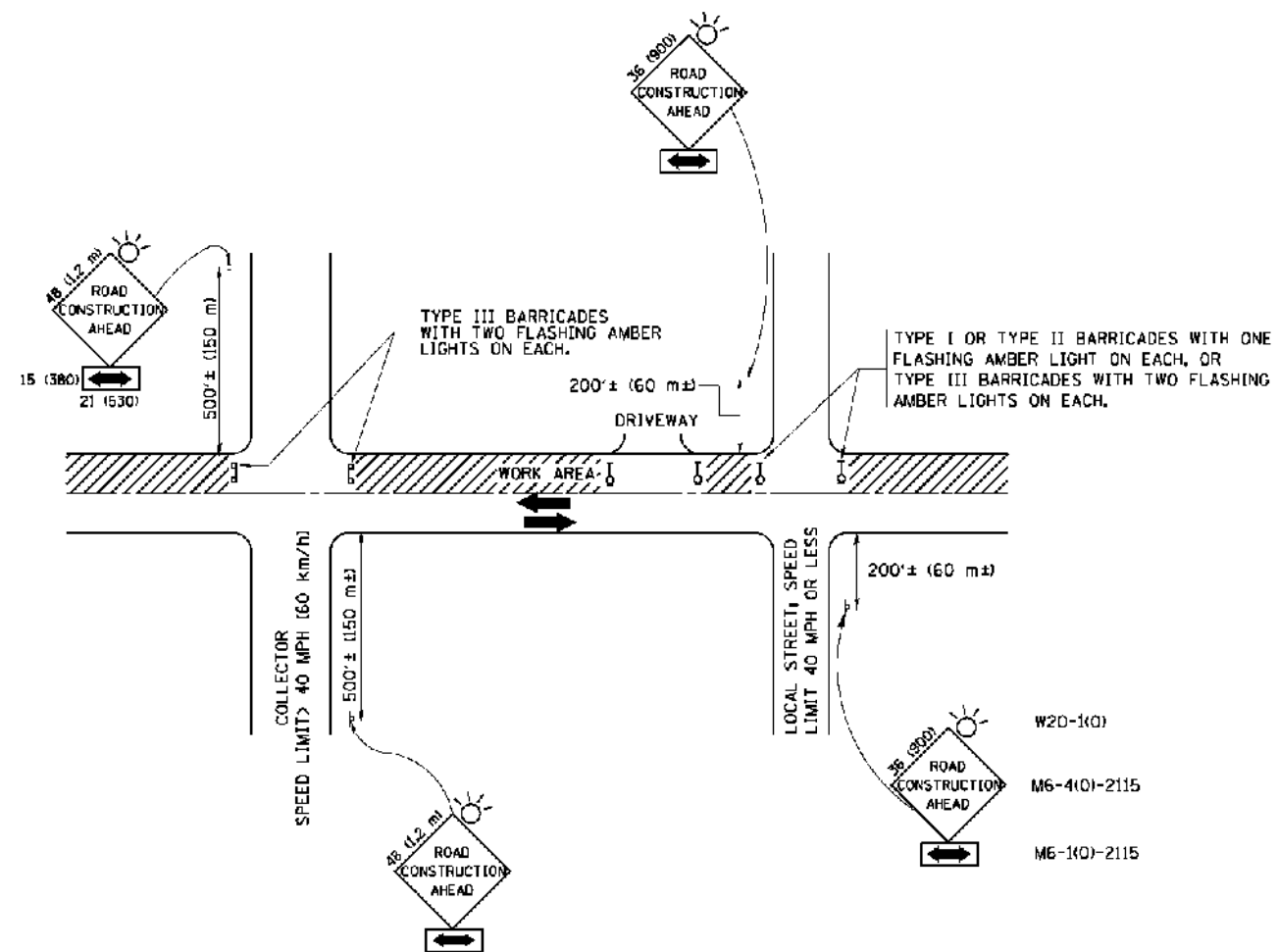
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			65	58
BD 55			CONTRACT NO.	
FED. ROAD DIST. NO. 1 (ILLINOIS) (I. R. AID PROJECT)				

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 265mgc
 5/22/2004
 \\c:\p\box\wood\com\proj\cts\CrystalLake\LDOT\00053-40-Design\WO-17 1138 R4 47 to R4 3\ACADD-SURVEY\DRAWINGS\DOONS\DISTRICT ONE DETAILS - TC-11ff.dgn
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TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 - 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 - USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 70150L, STD. 70160B OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
 - C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
 - D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (inches) unless otherwise shown.

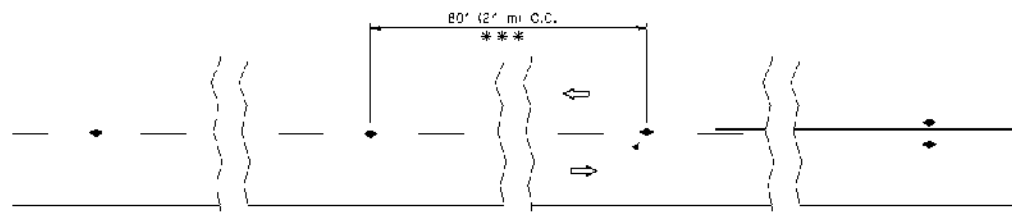
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	PLCT SCALE = 50.000' / 1"	CHECKED -	REVISED - A. HOUSEH 10-16-96
	PLCT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

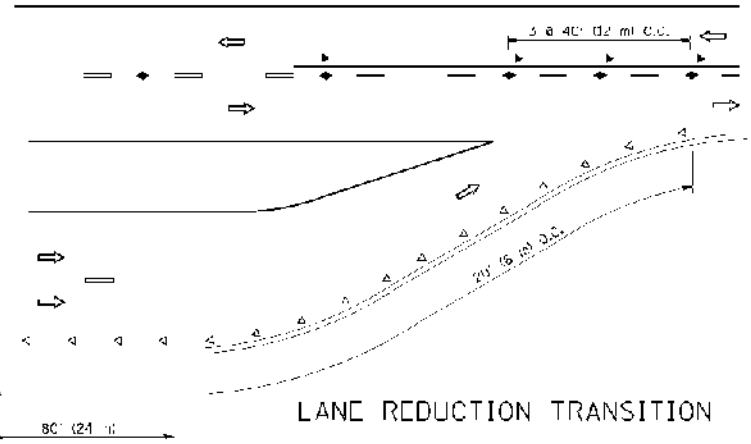
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	59
TC-10		CONTRACT NO. 60N38		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

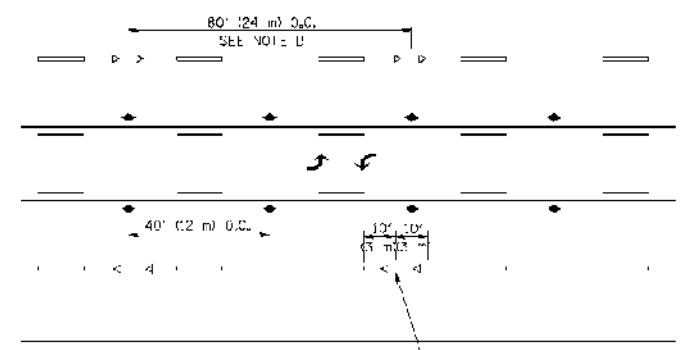


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/hr) OR LESS.

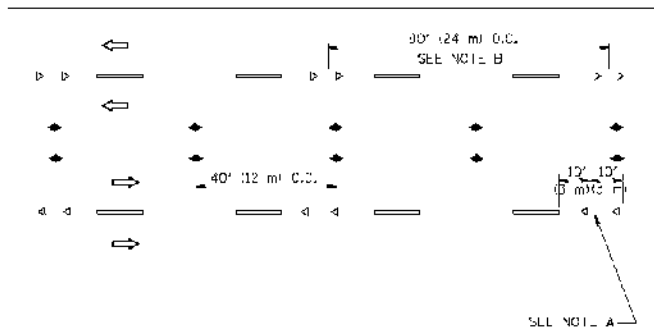
TWO-LANE/TWO-WAY



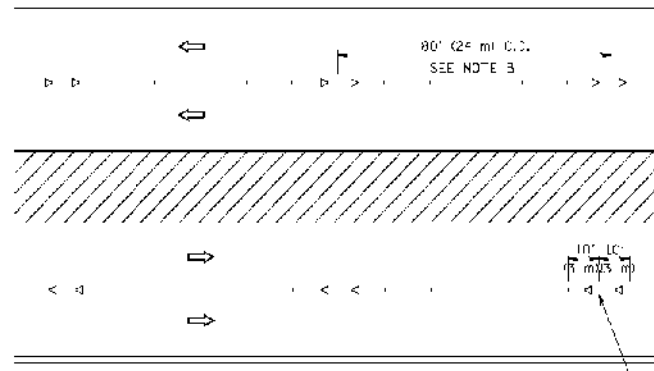
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 FEET TO THE TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

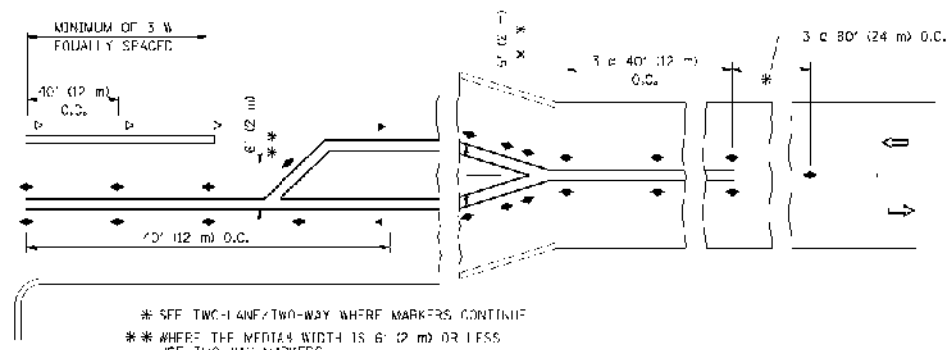
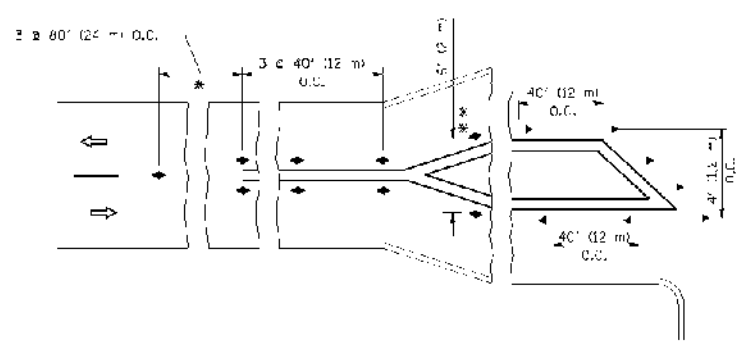
- YELLOW STRIPE
- WHITE STRIPE
- ▲ ONE-WAY ARROW MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY ARROW MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/hr) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAILS, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MINIMUM WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

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 265 S. WASHINGTON ST., SUITE 100, CHICAGO, IL 60604
 312.467.1000 FAX 312.467.1001
 PROJECT: ILLINOIS STATE ROAD 347, DISTRICT ONE, SHEET NO. 60
 DATE: 5/22/2004
 DRAWN BY: J. RAMMACHER
 CHECKED BY: T. RAMMACHER
 DATE: 5/22/2004

FILE NAME	USER NAME	DESIGNED -	REVISED -
PROJECT	DATE	DRAWN -	REVISED -
PLCT SCALE	PLCT DATE	CHECKED -	REVISED -
		DATE -	

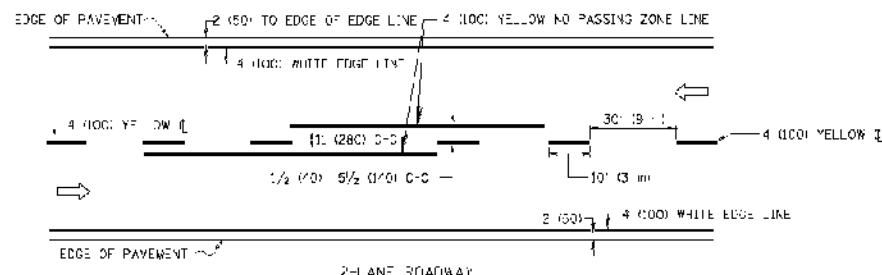
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

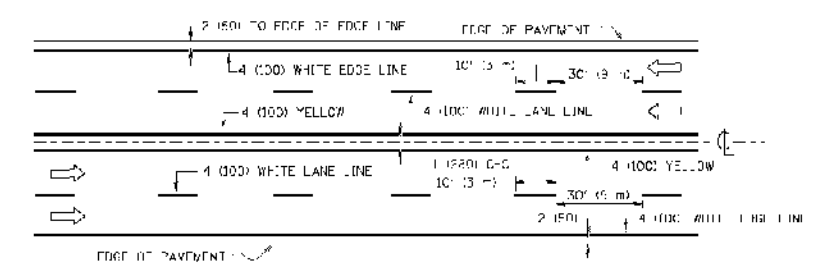
All dimensions are in inches (millimeters) unless otherwise shown.

STATE ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-11		CONTRACT NO. 60N38		

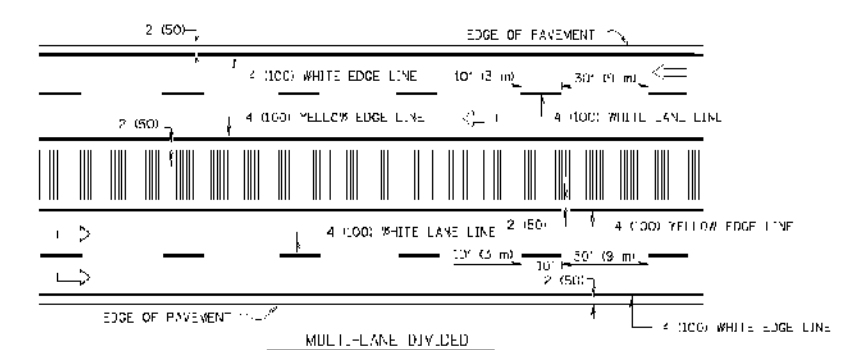
C-91-308-11



2-LANE ROADWAY



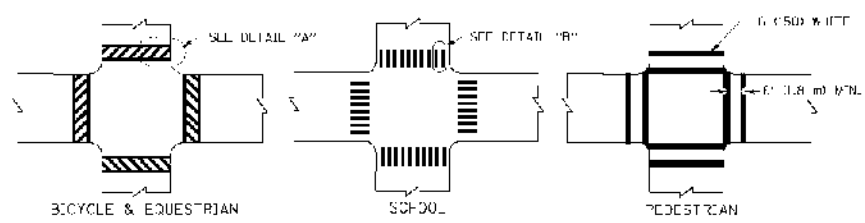
MULTILANE UNDIVIDED



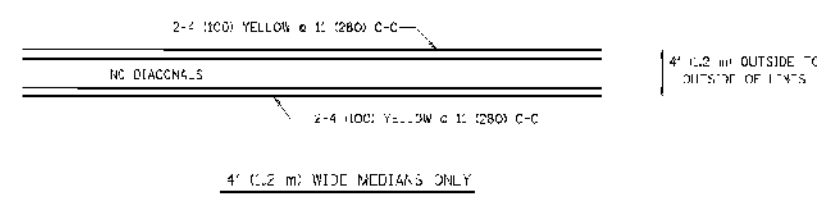
MULTILANE DIVIDED WITH MULTIPLE MEDIANS

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

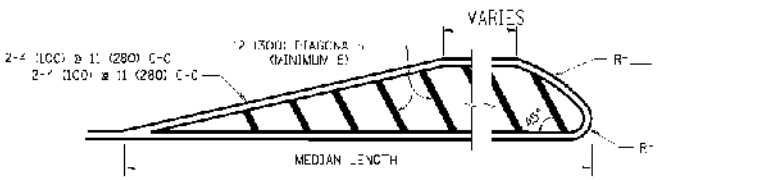
TYPICAL LANE AND EDGE LINE MARKING



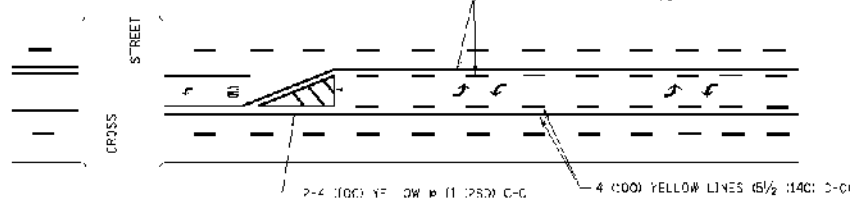
TYPICAL CROSSWALK MARKING



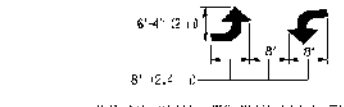
4' (1.22 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.22 m) WIDE

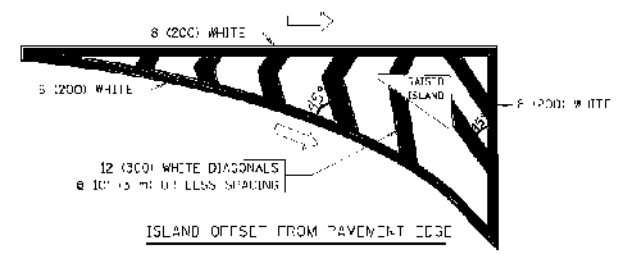


TYPICAL PAINTED MEDIAN MARKING

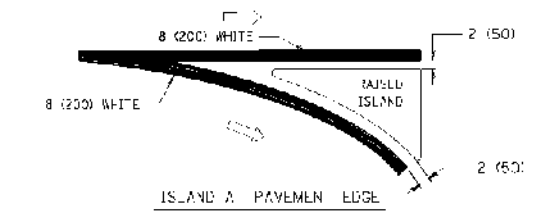


TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING



ISLAND AT PAVEMENT EDGE

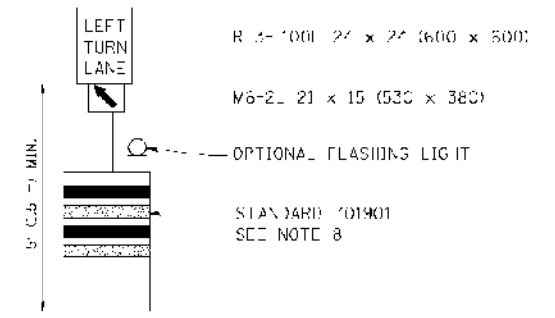
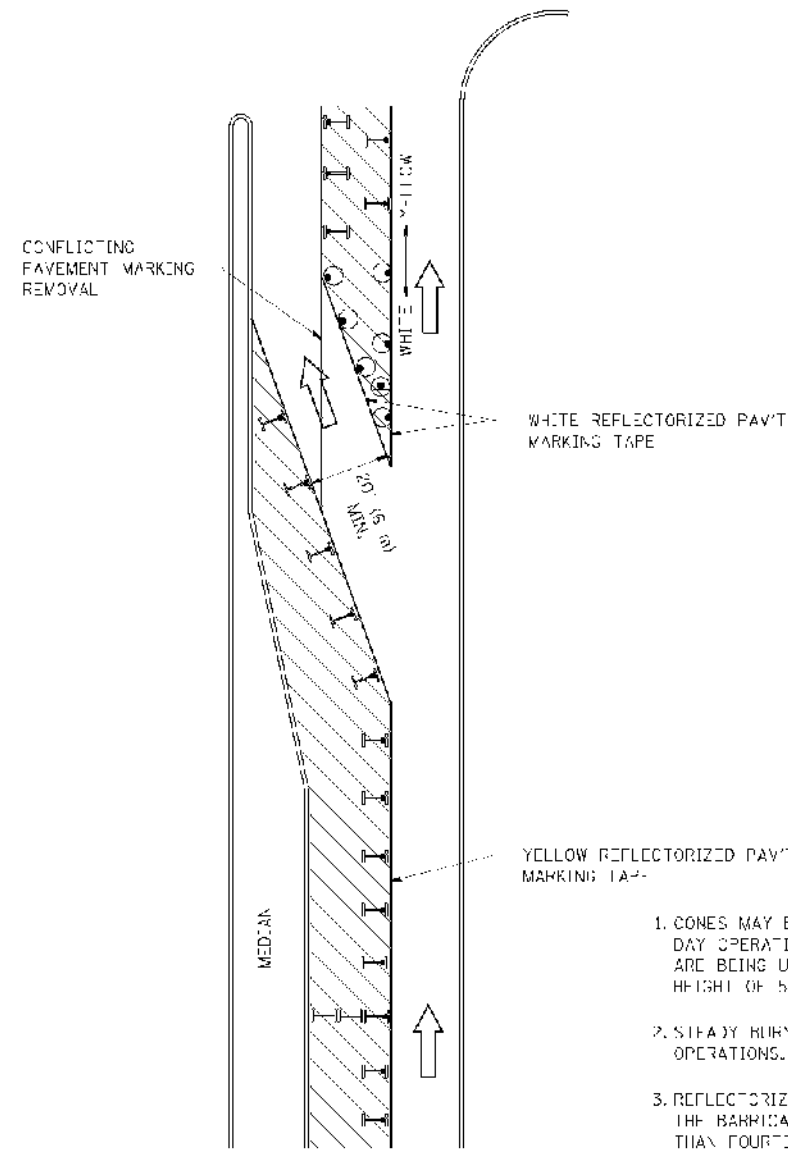
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTRELINE ON 2 LANE PAVEMENT	4' (1.22)	SKIP-DASH	YELLOW	10' (3.05) MIN WITH 30' (9.14) SPACE
CENTRELINE ON MULTILANE UNDIVIDED PAVEMENT	2' (600)	SOLID	YELLOW	11' (3.35) C-C
NO PASSING ZONE (NFS) FOR ONE DIRECTION OR BOTH DIRECTIONS	4' (1.22)	SOLID	YELLOW	5 1/2' (1.68) C-C FROM SKIP-DASH CENTERLINE 11' (3.35) C-C 0.1M SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4' (1.22) 6' (1.83) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3.05) MIN WITH 30' (9.14) SPACE
DOTTED LINES (EXTENSIONS OF CENTERLINE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.83) TO SPACE
TURN LANE LINES	4' (1.22)	SOLID	WHITE	CONTINUED WITH TURN ARROWS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6' (1.83) LONG FULL SET LETTERS & SYMBOLS 12" (305) HIGH	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO-WAY LEFT TURN MARKING	2' (600) EACH DIRECTION 8' (2.44) LEFT ARROW IN PAIRS	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3.05) MIN WITH 30' (9.14) SPACE FOR SKIP-DASH; 5 1/2' (1.68) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN), DIAGONALS (BIKE & EQUESTRIAN), LONGITUDINAL BARS (SHOULDER)	2' (600) @ 45° 2' (600) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.83) M APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAIL
STOP LINES	24' (7.32)	SOLID	WHITE	PLACES 4' (1.22) IN ADVANCE OF AND PARALLEL TO CROSSWALK IF PRESENT; OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSWALK CENTERLINE WHERE POSSIBLE
PAINTED MEDIANS	2' (600) WITH 12' (3.66) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.22) WIDE MEDIANS	SOLID	YELLOW WHITE WHITE	11' (3.35) C-C TO 11' (3.35) C-C LINE SEE TYPICAL PAINTED MEDIAN MARKING WHITE: ONE-WAY TRAFFIC
CORE MARKING AND UNPAINTED LINES	8' (2.44) WITH 12' (3.66) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.57) C-C LESS THAN 30MPH (50 km/h) 20' (6.10) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9.14) C-C OVER 45MPH (70 km/h)
RAILROAD CROSSING	24' (7.32) TRANSVERSE BARS 15' (4.57) @ 1.8m MIN LETTERS 16' (4.88) HIGH 12" (305) MIN	SOLID	WHITE	SEE STATE STANDARD (8000) AREA OF: 15' (4.57) SQ. FT. (0.33 m²) EACH 12" (305) @ 1.8m MIN
SHOULDER DIAGONALS	2' (600) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	30' (9.14) C-C LESS THAN 30MPH (50 km/h) 75' (22.86) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 150' (45.72) C-C OVER 45MPH (70 km/h)

FOR FURTHER DETAILS OF PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 80001.

All dimensions are in inches (millimeters) unless otherwise shown.

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5/22/2014
C:\projects\crystal_lake\DOT\00053-140-Design\WO-17_138-R4_47-RT-31\CADD-SURVEY\DRAWINGS\DOCS\DISTRICT ONE DETAILS - TC-11ff.dgn

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 216 S. WASHINGTON STREET, SUITE 200, CHICAGO, IL 60604
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 \\c:\p\ba\wood\cadd\drawings\00053\40-Design\WO-IT 138.R1 47 to RT 3\ACADD-SURVEY\DRAWINGS\00053\DISTRICT ONE DETAILS - TC-11ff.dgn



GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (7'0") IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 M).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED TO OUTLINE THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANES AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" 73 100 24 x 24 (600 x 600) AND M6 2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS MOTOR 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET MOTOR 350 REQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
- TYPE I OR II BARRICADE WITH FLASHING LIGHT

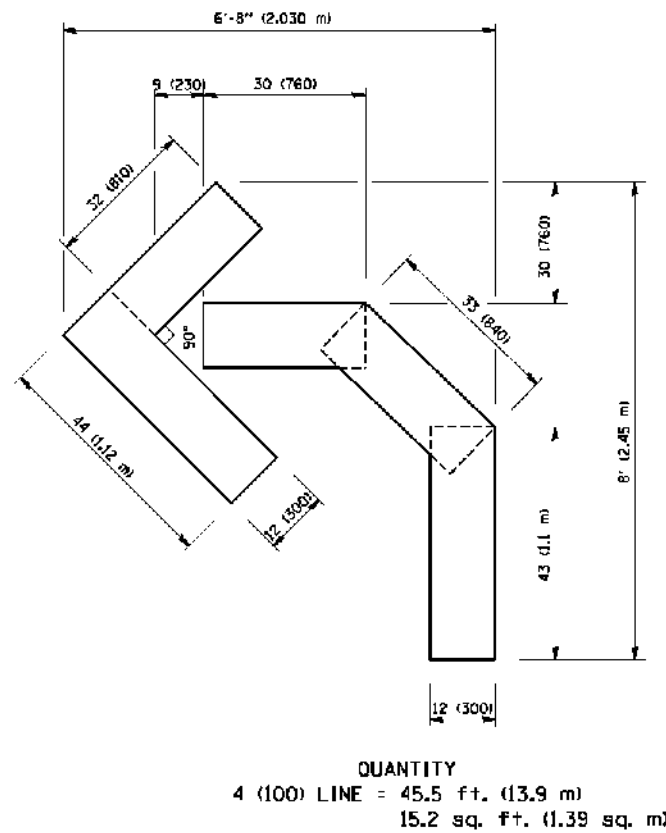
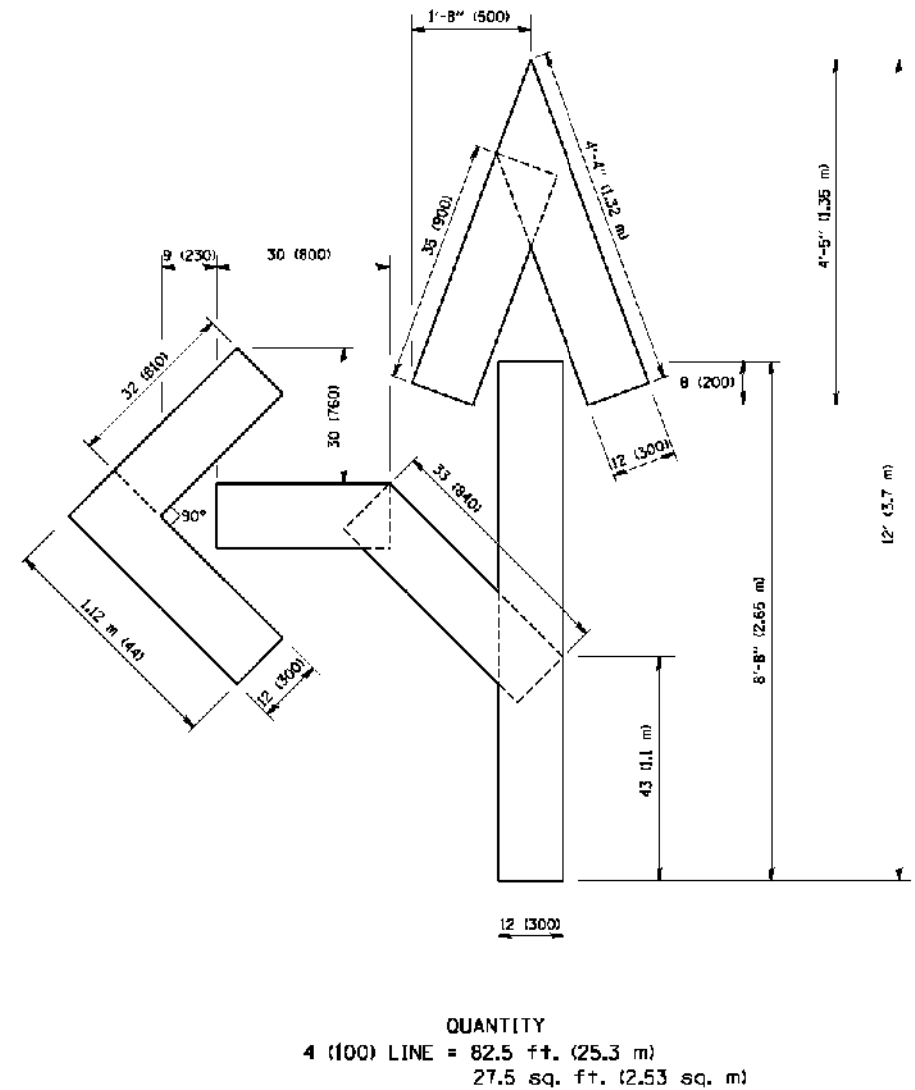
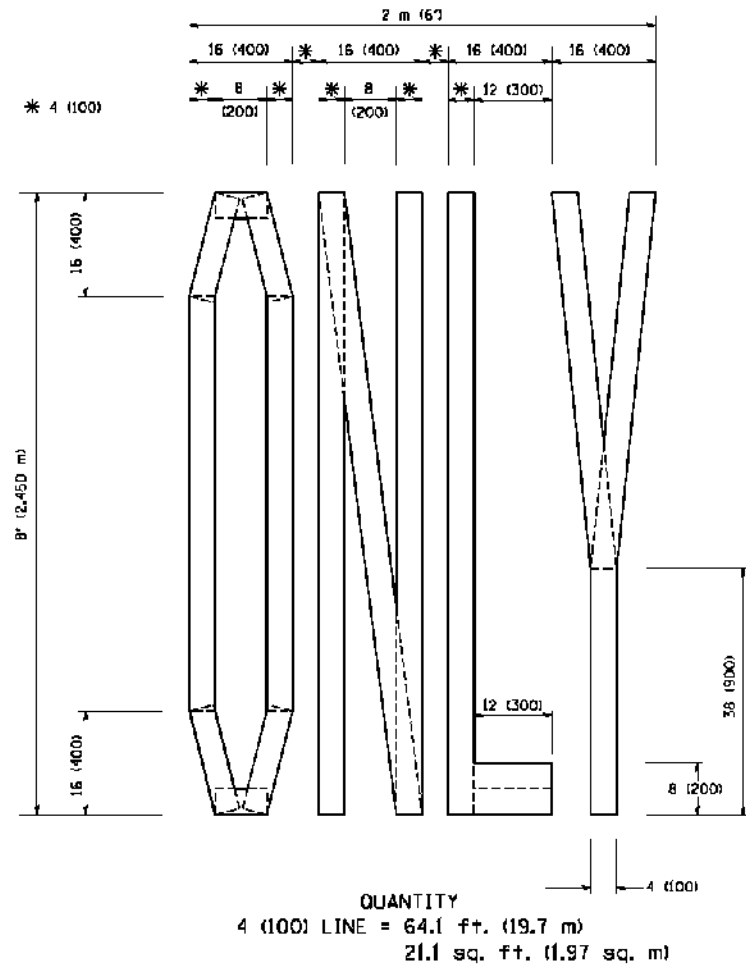
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...	...	REVISED	11-07-95	A. HOUSE	
...	...	REVISED	10-12-96	A. HOUSE	
...	...	REVISED	01-06-00	T. RAMVACHER	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	62
TC-14			CONTRACT NO. 60N38	
ILLINOIS DEPARTMENT OF TRANSPORTATION				



All dimensions are in inches (millimeters) unless otherwise shown.

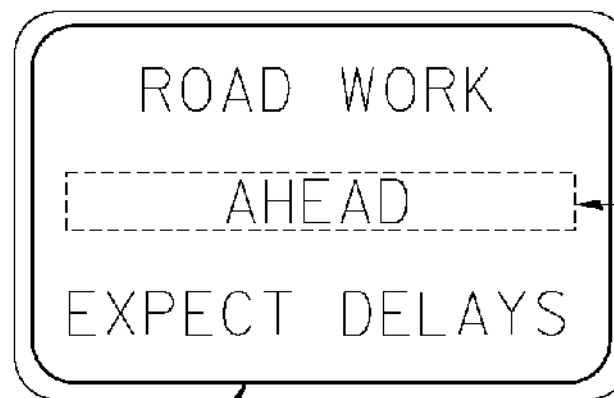
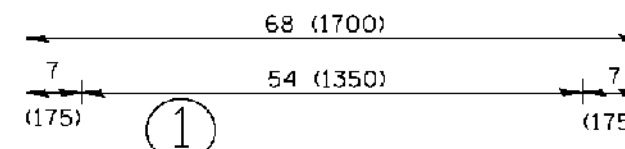
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FLCT SCALE = 50.0000 / 1 IN		CHECKED -	REVISED - T. RAMMACHER 03-02-98
PLCT DATE = 1/4/2008		DATE = 09-18-94	REVISED - E. GOMEZ 08-28-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
FOR TRAFFIC STAGING

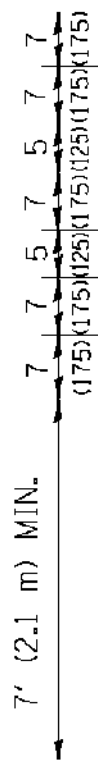
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-16		65	63
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO.	



1 (25) BLACK BORDER

45 (1125)



USE APPROPRIATE MONTH AND DATE FOR CONTRACT

2
BEGINS XXX XX

58 (1450)

NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME -	USER NAME - gogliano	DESIGNED -	REVISED - R. MIRS 09-15-97
W:\dms\2014\1138R1\1138R1.dgn		DRAWN -	REVISED - R. MIRS 12-11-97
	PLCT SCALE = 50.8000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLCT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

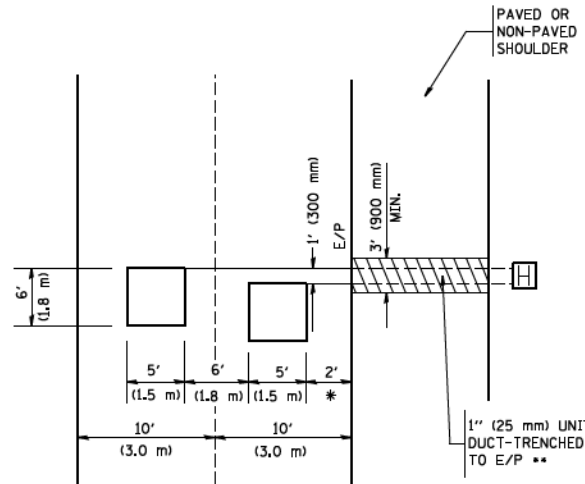
**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	4R-RS-8	KANE	65	64
TC-22 CONTRACT NO.			60N38	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

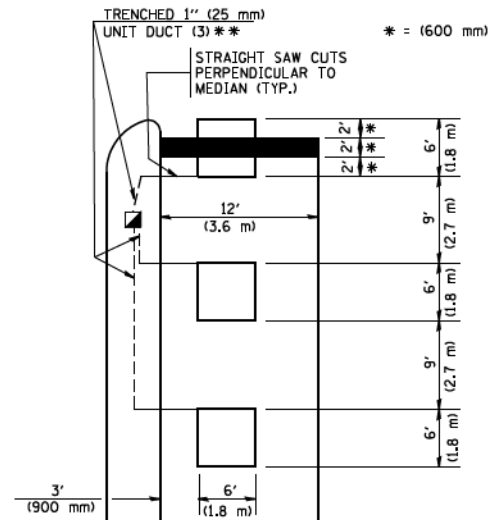


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**

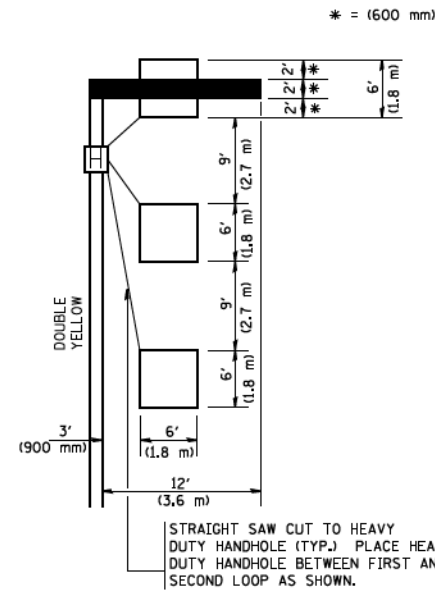
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**



NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT. THE INTERCONNECT PLAN AND TIC SYSTEM CABLE PLAN, WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

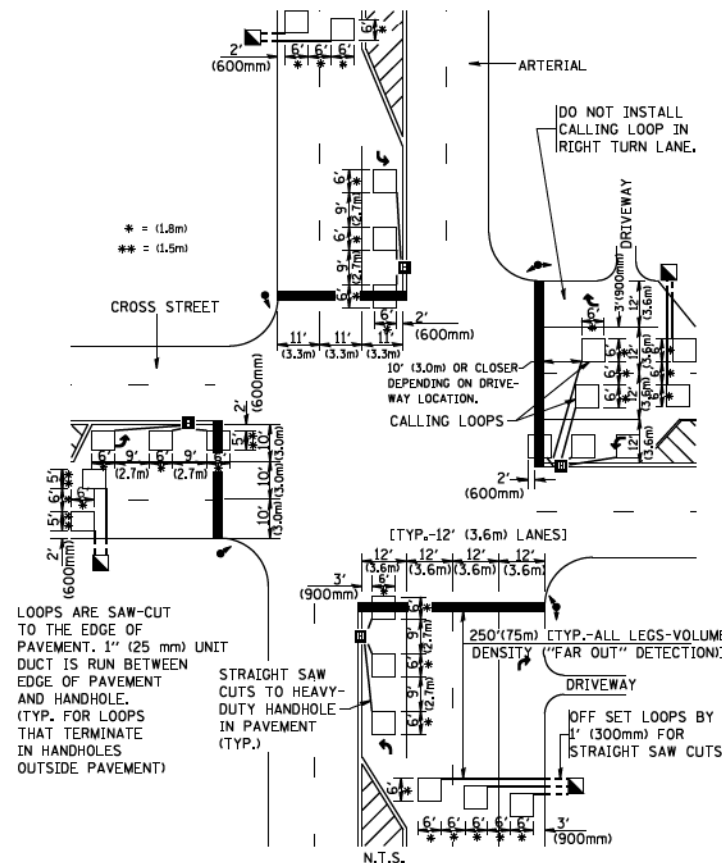
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

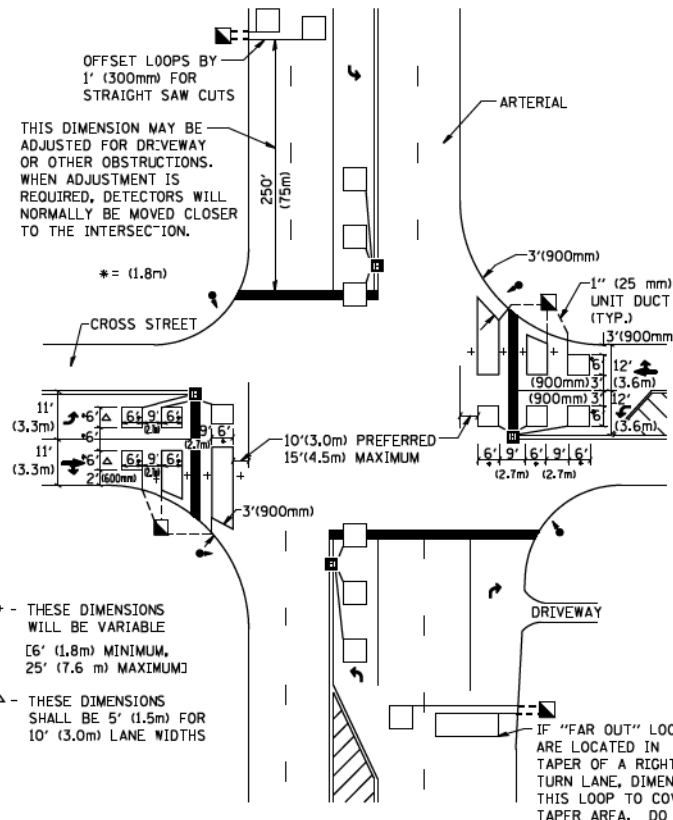
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



**DETAIL 1
N.T.S.**

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



**DETAIL 2
N.T.S.**

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FILE NAME =	USER NAME = geglennob	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
W:\stata\22x34\ts07.dgn		DRAWN -	REVISED -			347	4R-RS-8	KANE	65	65
PLOT SCALE = 50.0000' / IN.		CHECKED - R.K.F.	REVISED -			TS-07		CONTRACT NO. 60N38		
PLOT DATE = 1/4/2008		DATE -	REVISED -			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	