

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-RS-3	KANE	30	1
FED. ROAD DIST. NO. 1		ILLINOIS	FED AID PROJECT	
D-91-307-11 CONTRACT NO. 60N37				

PROPOSED HIGHWAY PLANS

F.A.P 567 (IL ROUTE 38)
SECTION 5R-RS-3
WEST COUNTY LINE ROAD TO IL ROUTE 47
RESURFACING (3P)
KANE COUNTY
C-91-307-11

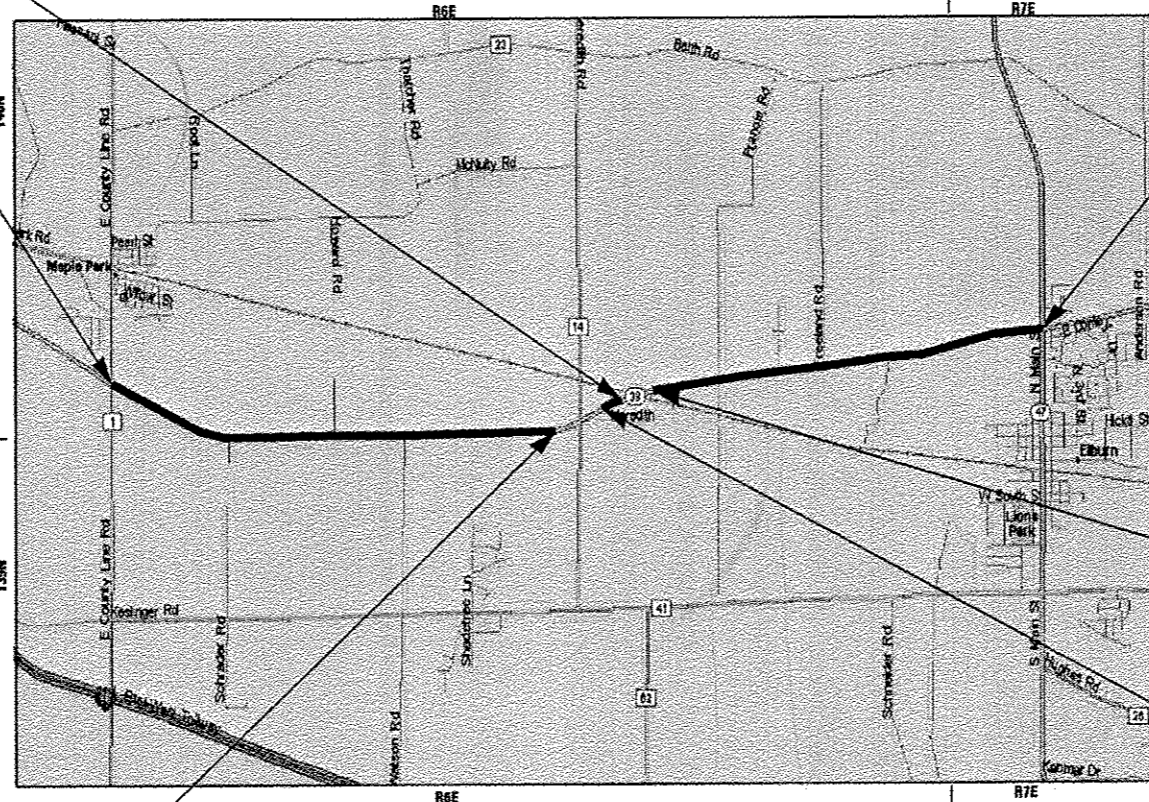
FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED WITHIN
THE VILLAGE OF ELBURN AND
UNINCORPORATED KANE COUNTY



IL ROUTE 38
OMISSION BEGINS
STA. 413 + 78

IL ROUTE 38
IMPROVEMENT BEGINS
STA. 224 + 93



IL ROUTE 38
IMPROVEMENT ENDS
STA. 569 + 18

IL ROUTE 38
OMISSION ENDS
STA. 418 + 51

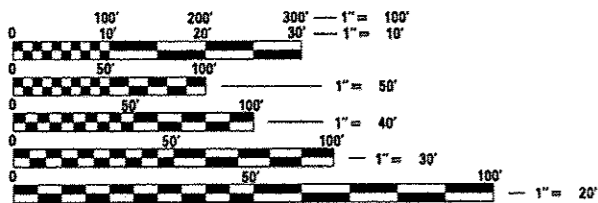
IL ROUTE 38
OMISSION ENDS
STA. 401 + 53

IL ROUTE 38
OMISSION BEGINS
STA. 382 + 63

VIRGIL & CAMPTON TOWNSHIPS
GROSS LENGTH OF IMPROVEMENT = 34,425 LF OR 6.520 MILES
NET LENGTH OF IMPROVEMENT = 34,062 LF OR 6.072 MILES

TRAFFIC DATA

IL ROUTE 38 (MINOR ARTERIAL)
2013 ADT = 7,600 - 8,400
SPEED LIMIT = 55 MPH



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.

Call Before You Dig
JULIE
ILLINOIS ONE-CALL SYSTEM

CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:
COUNTY = KANE
CITY-TOWNSHIP = ELBURN - VIRGIL & CAMPTON
SEC. & 1/4 SEC. NO. = 31-36
48 HOURS (2 working days) BEFORE YOU DIG

DISTRICT ONE -
PROJECT MANAGER: KEN ENG (847) 705-4247 (IDOT)
PROJECT ENGINEER: ROBERT LENZINI (815) 459-1260 (BAXTER & WOODMAN)
CONTRACT NO. 60N37

BAXTER & WOODMAN
Consulting Engineers

TODD L. HOFMAN
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 20 14
John F. Antonelli
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

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

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

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
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25	(TC-11) TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
26	(TC-13) TYPICAL PAVEMENT MARKINGS
27	(TC-14) TRAFFIC CONTROL AND PROTECTION OF TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
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30	(TS-07) DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS PROJECT.

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
442201-03	CLASS C AND D PATCHES
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS > 45 MPH
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-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
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

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.L.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 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 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 (V:H).
- 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 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 ABUTTING 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.

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 RT 47L CADD SURVEY\DRAWINGS\0513-WO-16-GEN-NOTE.dgn



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-16-GEN-NOTE.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
WEST COUNTY LINE ROAD TO IL ROUTE 47
INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS

SCALE: STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-RS-3	KANE	30	2
C-91-307-11			CONTRACT NO. 60N37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			100% STATE		
CODE NO.	ITEM DESCRIPTION	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				0005 QUANTITY	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	19	19	
40600827	POLYMERIZED LEVEUNG BINDER (MACHINE METHOD), IL-4.75, N50	TON	4,513	4,513	
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	378	378	
40601005	HOT-MIX APSHALT REPLACEMENT OVER PATCHES	TON	253	253	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	9,184	9,184	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	46,448	46,448	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	45,024	45,024	
44002214	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3 1/2"	SQ YD	1,350	1,350	
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	875	875	
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	250	250	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	8,704	8,704	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5	
67100100	MOBILIZATION	LSUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION STANDARD 701306	LSUM	1	1	

*INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES			100% STATE		
CODE NO.	ITEM DESCRIPTION	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				0005 QUANTITY	
70100600	TRAFFIC CONTROL AND PROTECTION STANDARD 701336	LSUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION STANDARD 701701	LSUM	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	21,158	21,158	
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	292	292	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	178,574	178,574	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1,388	1,388	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	766	766	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	236	236	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2,351	2,351	
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	146	146	
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	67,670	67,670	
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	694	694	
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	383	383	
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	118	118	
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	623	623	

*INDICATES SPECIALTY ITEM

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BAXTER & WOODMAN
Consulting Engineers

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-16-500.SHT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
WEST COUNTY LINE ROAD TO IL ROUTE 47
SUMMARY OF QUANTITIES

SCALE:

STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-RS-3	KANE	30	3
C-91-307-11			CONTRACT NO. 60N37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

11/15/10 YAA

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SUMMARY OF QUANTITIES			100% STATE CONSTRUCTION TYPE CODE	
CODE NO.	ITEM DESCRIPTION	UNIT	URBAN	
			TOTAL QUANTITY	0005 QUANTITY
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	531	531
88600600	DETECTOR LOOP REPLACEMENT	FOOT	68	68
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	103	103
X0326898	CENTER LINE - RUMBLE STRIP - 16"	FOOT	31,009	31,009
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	615	615
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	145,194	145,194
X7800815	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	21,617	21,617
Z0100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	200	200
X0325222	WEED CONTROL, BASAL TREATMENT	GALLON	5	5
Z0064800	SELECTIVE CLEARING	UNIT	5	5

* INDICATES SPECIALTY ITEM



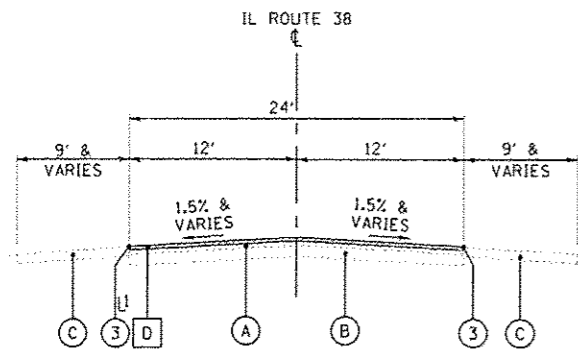
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DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 UPDATE
DATE - 12-17-10	FILE - 100153-WO-16-S00.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38 WEST COUNTY LINE ROAD TO IL ROUTE 47 SUMMARY OF QUANTITIES	
SCALE:	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-RS-3	KANE	30	4
C-91-307-11	CONTRACT NO. 60N37			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

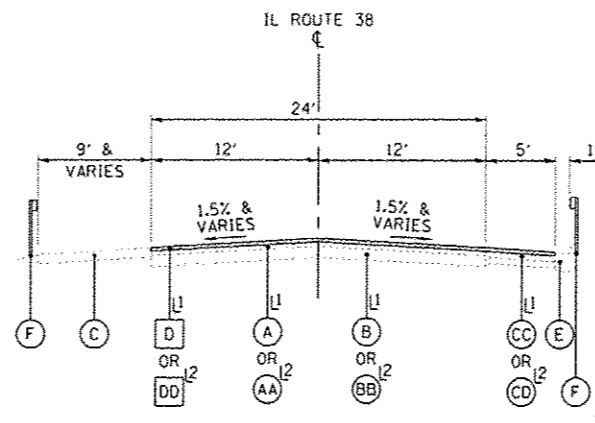
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EXISTING TYPICAL SECTION

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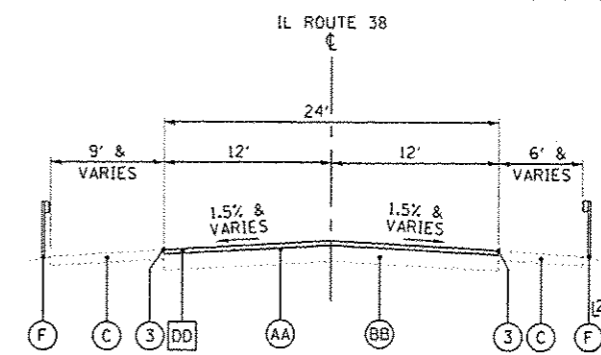
STA 224+93 TO STA 382+63
STA 401+53 TO STA 401+93



EXISTING TYPICAL SECTION

IL ROUTE 38

STA 401+93 TO STA 413+78
(BRIDGE OMISSION STA 413+78 TO STA 418+51)
STA 418+51 TO STA 421+55

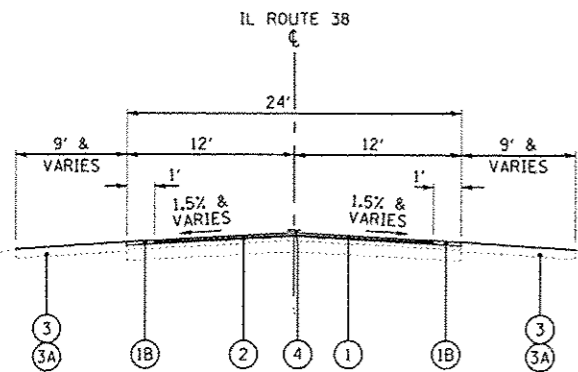


EXISTING TYPICAL SECTION

IL ROUTE 38

STA 421+55 TO STA 428+10

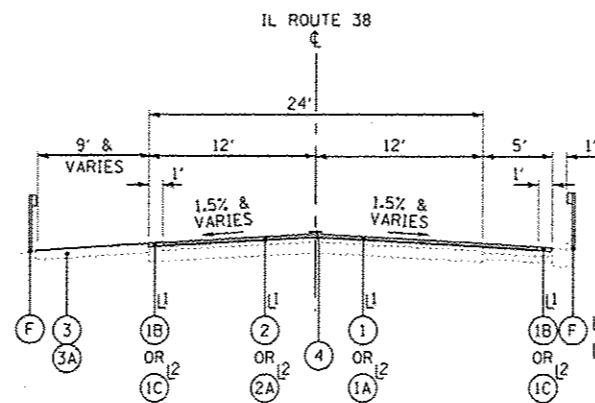
ENDS AT STA 427+81



PROPOSED TYPICAL SECTION

IL ROUTE 38

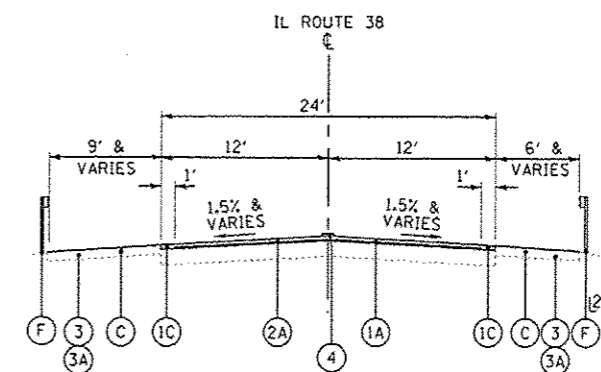
STA 224+93 TO STA 382+63
STA 401+53 TO STA 401+93



PROPOSED TYPICAL SECTION

IL ROUTE 38

STA 401+93 TO STA 413+78
(BRIDGE OMISSION STA 413+78 TO STA 418+51)
STA 418+51 TO STA 421+55



PROPOSED TYPICAL SECTION

IL ROUTE 38

STA 421+55 TO STA 428+10

ENDS AT STA 427+81

LEGEND

- (A) EXISTING HMA SURFACE, 5"±
- (AA) EXISTING HMA SURFACE, 3"±
- (B) EXISTING PCC BASE, 7"±
- (BB) EXISTING PCC BASE, 10"±
- (C) EXISTING AGGREGATE SHOULDER, 6"±
- (CC) EXISTING HMA SHOULDER, 5"±
- (CD) EXISTING HMA SHOULDER, 3"±
- (D) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (DD) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (F) EXISTING GUARDRAIL
- [] ITEM TO BE REMOVED

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm) - 1 1/2"
- (1A) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm) - 2"
- (1B) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm) - 2 1/4"
- (1C) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm) - 3"
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (2A) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 1"
- (3) GRADING AND SHAPING SHOULDERS
- (3A) AGGREGATE WEDGE SHOULDER, TYPE B
- (4) CENTERLINE - 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	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 1 1/2", 2", 2 1/4", 3"	4% @ 70 GYR.	PFM
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50; 3/4", 1"	3.5% @ 50 GYR.	QCP
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); QUALITY CONTROL PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFM)

MIXTURE NOTES:
1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ. 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: 100153-WO-16-TYPSEC.BPT
 DATE: 12-17-10
 DRAWN: UKB
 CHECKED: RWL
 DATE: 12-17-10

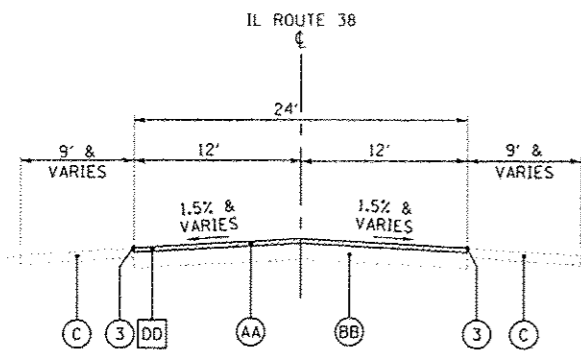


DESIGNED - TLH	REVISED - 10-22-12 IDOT REVIEW
DRAWN - UKB	REVISED - 5-12-14 UPDATE
CHECKED - RWL	REVISED - 6-6-14 IDOT REVIEW
DATE - 12-17-10	FILE - 100153-WO-16-TYPSEC.BPT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
WEST COUNTY LINE ROAD TO IL ROUTE 47
TYPICAL SECTIONS

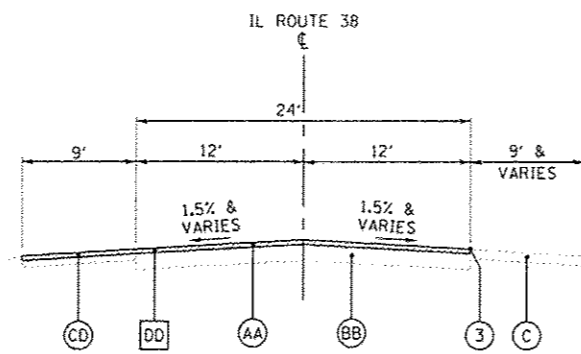
F.A.P. RTE. 567	SECTION SR-RS-3	COUNTY KANE	TOTAL SHEETS 30	SHEET NO. 5
SCALE: STA. TO STA.		CONTRACT NO. 60N37		



EXISTING TYPICAL SECTION

IL ROUTE 38

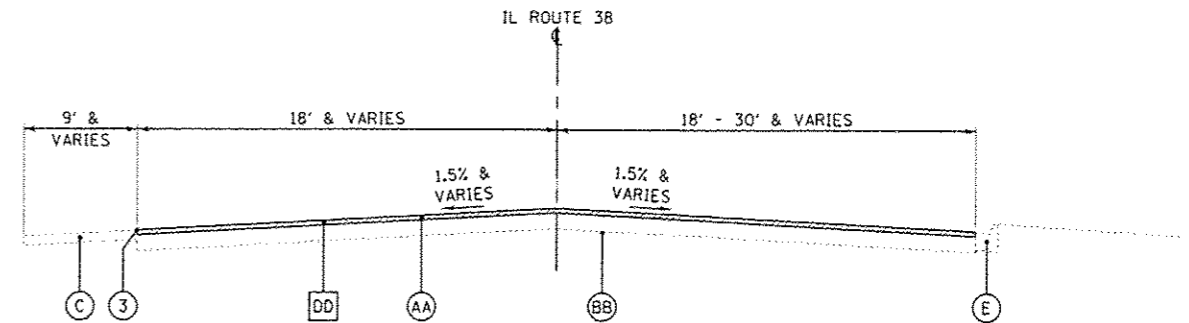
STA 428+10 TO STA 469+09
 STA 472+12 TO STA 479+13
 STA 480+98 TO STA 558+65



EXISTING TYPICAL SECTION

IL ROUTE 38

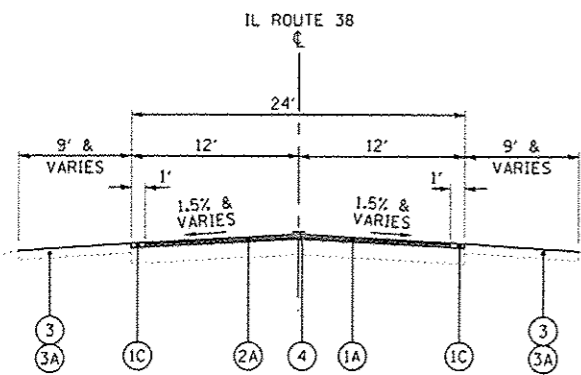
STA 469+09 TO STA 472+12
 STA 479+13 TO STA 480+98



EXISTING TYPICAL SECTION

IL ROUTE 38

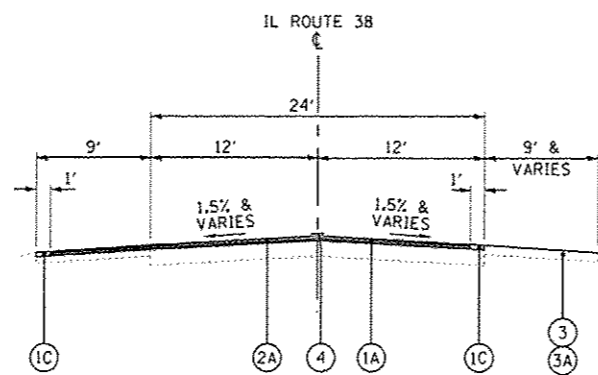
STA 558+65 TO STA 569+18



PROPOSED TYPICAL SECTION

IL ROUTE 38

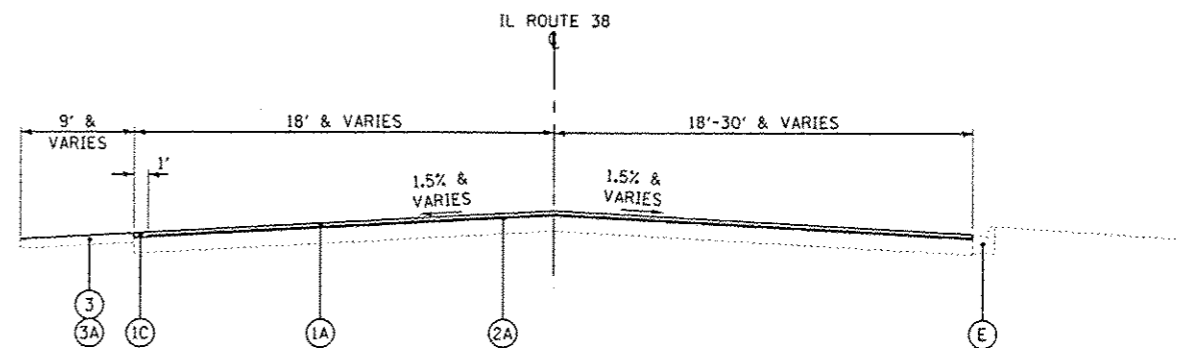
STA 428+10 TO STA 469+09
 STA 472+12 TO STA 479+13
 STA 480+98 TO STA 558+65



PROPOSED TYPICAL SECTION

IL ROUTE 38

STA 469+09 TO STA 472+12
 STA 479+13 TO STA 480+98



PROPOSED TYPICAL SECTION

IL ROUTE 38

STA 558+65 TO STA 569+18

LEGEND

- (A) EXISTING HMA SURFACE, 5"±
- (AA) EXISTING HMA SURFACE, 3"±
- (B) EXISTING PCC BASE, 7"±
- (BB) EXISTING PCC BASE, 10"±
- (C) EXISTING AGGREGATE SHOULDER, 6"±
- (CC) EXISTING HMA SHOULDER, 5"±
- (CD) EXISTING HMA SHOULDER, 3"±
- (D) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (DD) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- (F) EXISTING GUARDRAIL
- () ITEM TO BE REMOVED

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm) - 1 1/2"
- (1A) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm) - 2"
- (1B) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm) - 2 1/4"
- (1C) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm) - 3"
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (2A) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 1"
- (3) GRADING AND SHAPING SHOULDERS
- (3A) AGGREGATE WEDGE SHOULDER, TYPE B
- (4) CENTERLINE - RUMBLE STRIP - 16"

CONTRACT NO. 60N37, 60N38, 60N39, 60N40, 60N41, 60N42, 60N43, 60N44, 60N45, 60N46, 60N47, 60N48, 60N49, 60N50, 60N51, 60N52, 60N53, 60N54, 60N55, 60N56, 60N57, 60N58, 60N59, 60N60, 60N61, 60N62, 60N63, 60N64, 60N65, 60N66, 60N67, 60N68, 60N69, 60N70, 60N71, 60N72, 60N73, 60N74, 60N75, 60N76, 60N77, 60N78, 60N79, 60N80, 60N81, 60N82, 60N83, 60N84, 60N85, 60N86, 60N87, 60N88, 60N89, 60N90, 60N91, 60N92, 60N93, 60N94, 60N95, 60N96, 60N97, 60N98, 60N99, 60N100

BAXTER & WOODMAN
 Consulting Engineers

DESIGNED	TLH	REVISED	10-22-12 IDOT REVIEW
DRAWN	UKB	REVISED	5-12-14 UPDATE
CHECKED	RWL	REVISED	6-6-14 IDOT REVIEW
DATE	12-17-10	FILE	100153-WO-16-TYPSEC.dwt

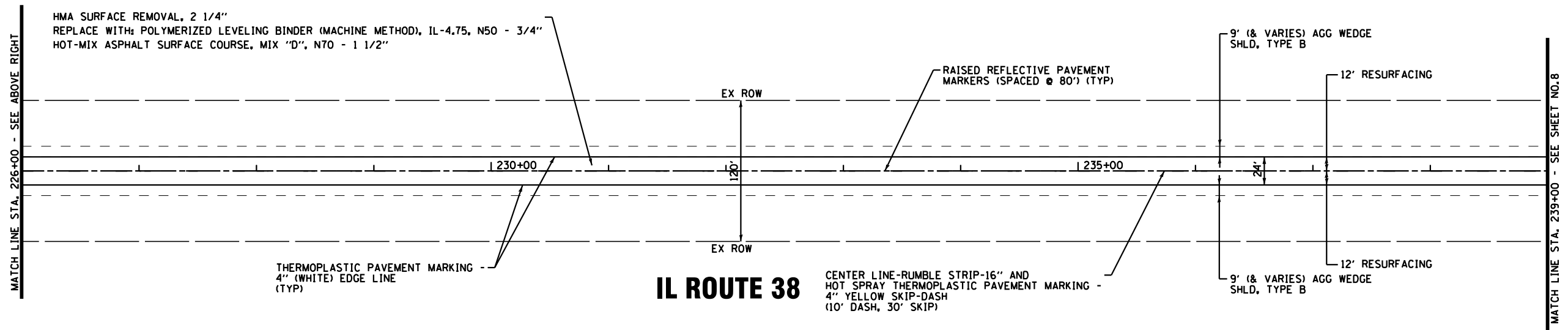
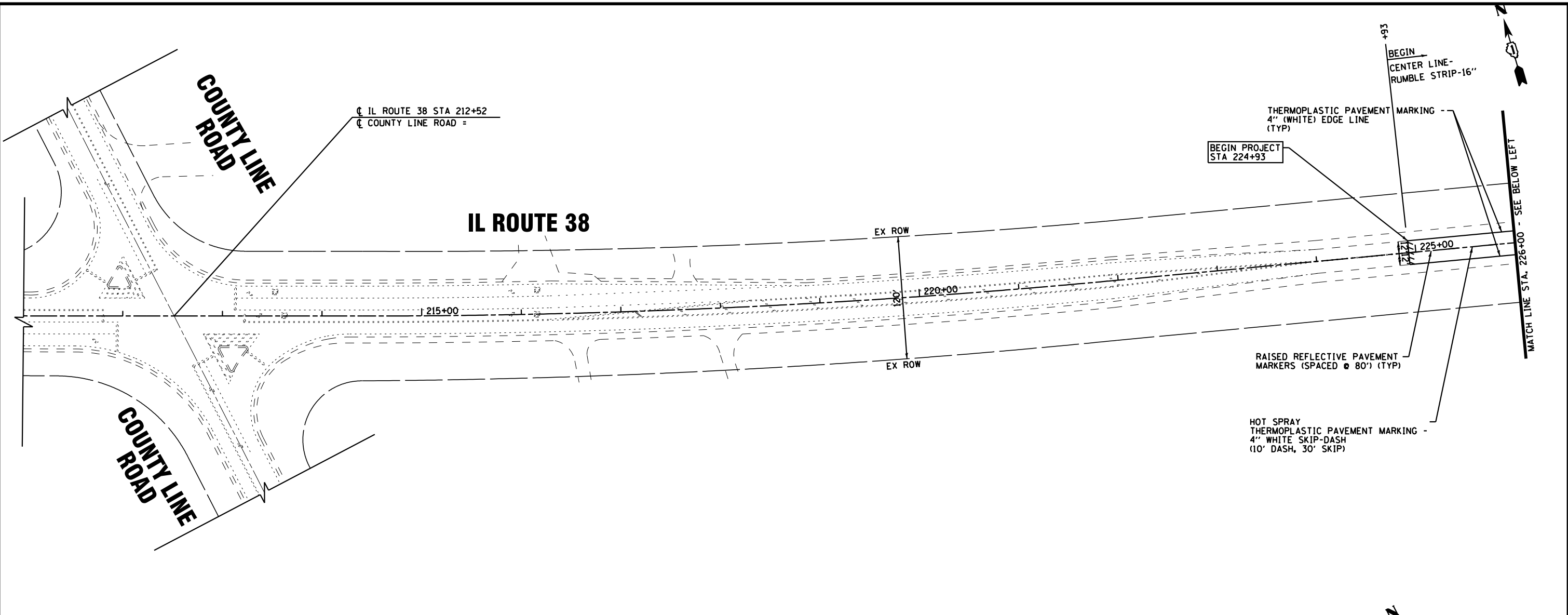
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
 WEST COUNTY LINE ROAD TO IL ROUTE 47
 TYPICAL SECTIONS

SCALE: STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	SR-R5-3	KANE	30	6
C-91-307-II		CONTRACT NO. 60N37		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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IL ROUTE 38

- 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.

DESIGNED - TLH	REVISED -
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 @ RUMBLE
DATE - 12-17-10	FILE - 100153-WO-16-PLAN1.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**IL ROUTE 38
WEST COUNTY LINE ROAD TO IL ROUTE 47
ROADWAY & PAVEMENT MARKING PLAN**

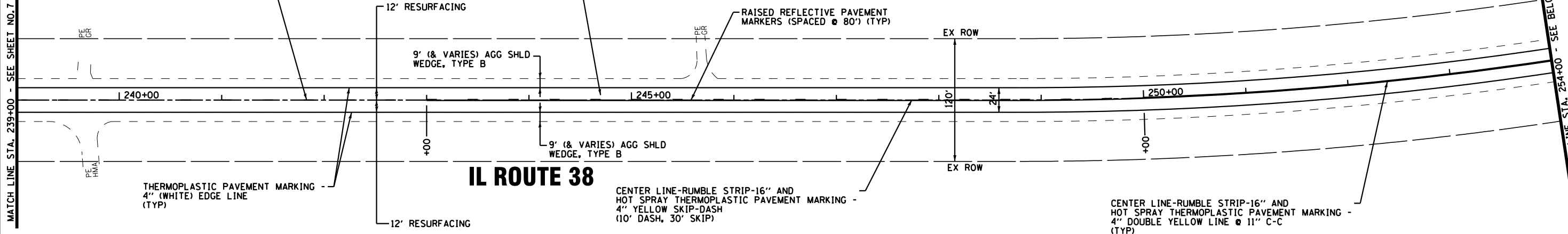
SCALE: 1"=50'

STA. 210+00 TO STA. 239+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-RS-3	KANE	30	7
C-91-307-11			CONTRACT NO. 60N37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

HMA SURFACE REMOVAL, 2 1/4"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"

CENTER LINE-RUMBLE STRIP-16" AND
 HOT SPRAY THERMOPLASTIC PAVEMENT MARKING -
 4" YELLOW SKIP-DASH
 (10' DASH, 30' SKIP)



MATCH LINE STA. 239+00 - SEE SHEET NO.7

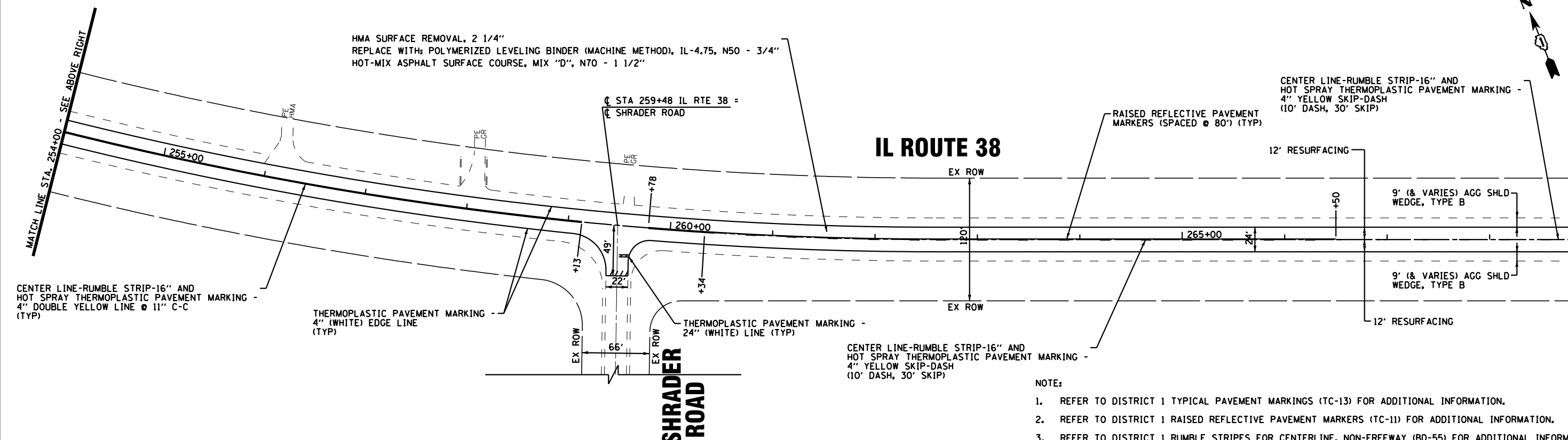
MATCH LINE STA. 254+00 - SEE BELOW LEFT

IL ROUTE 38

CENTER LINE-RUMBLE STRIP-16" AND
 HOT SPRAY THERMOPLASTIC PAVEMENT MARKING -
 4" YELLOW SKIP-DASH
 (10' DASH, 30' SKIP)

CENTER LINE-RUMBLE STRIP-16" AND
 HOT SPRAY THERMOPLASTIC PAVEMENT MARKING -
 4" DOUBLE YELLOW LINE @ 11" C-C
 (TYP)

HMA SURFACE REMOVAL, 2 1/4"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"



MATCH LINE STA. 254+00 - SEE ABOVE RIGHT

MATCH LINE STA. 269+00 - SEE SHEET NO.9

IL ROUTE 38

SHRADER ROAD

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 -
	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
	CHECKED - RWL	REVISED - 5-12-14 @ RUMBLE
	DATE - 12-17-10	FILE - 100153-WO-16-PLAN2.sht

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
WEST COUNTY LINE ROAD TO IL ROUTE 47
ROADWAY & PAVEMENT MARKING PLAN

SCALE: 1"=50'

STA. 239+00 TO STA. 269+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-RS-3	KANE	30	8
C-91-307-11		CONTRACT NO. 60N37		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



HMA SURFACE REMOVAL, 2 1/4"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"

CENTER LINE-RUMBLE STRIP-16" AND
 HOT SPRAY THERMOPLASTIC PAVEMENT MARKING -
 4" YELLOW LINE LEFT
 4" YELLOW SKIP-DASH RIGHT
 (10' DASH, 30' SKIP)

CENTER LINE-RUMBLE STRIP-16" AND
 HOT SPRAY THERMOPLASTIC PAVEMENT MARKING -
 4" YELLOW SKIP-DASH
 (10' DASH, 30' SKIP)

12' RESURFACING

9' (& VARIES) AGG SHLD
 WEDGE, TYPE B

EX ROW

RAISED REFLECTIVE PAVEMENT
 MARKERS (SPACED @ 80') (TYP)

FIELD ENTRANCE
 GR

PE
 HMA

1270+00

1275+00

1280+00

+00

+00

+50

THERMOPLASTIC PAVEMENT MARKING -
 4" (WHITE) EDGE LINE
 (TYP)

12' RESURFACING

9' (& VARIES) AGG SHLD
 WEDGE, TYPE B

EX ROW

IL ROUTE 38

CENTER LINE-RUMBLE STRIP-16" AND
 HOT SPRAY THERMOPLASTIC PAVEMENT MARKING -
 4" YELLOW LINE RIGHT
 4" YELLOW SKIP-DASH LEFT
 (10' DASH, 30' SKIP)

CENTER LINE-RUMBLE STRIP-16" AND
 HOT SPRAY THERMOPLASTIC PAVEMENT MARKING -
 4" DOUBLE YELLOW LINE @ 11" C-C

MATCH LINE STA. 269+00 - SEE SHEET NO.8

MATCH LINE STA. 284+00 - SEE BELOW LEFT

HMA SURFACE REMOVAL, 2 1/4"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"

RAISED REFLECTIVE PAVEMENT
 MARKERS (SPACED @ 80') (TYP)

12' RESURFACING

9' (& VARIES) AGG SHLD
 WEDGE, TYPE B

EX ROW

+00

1285+00

1290+00

1295+00

12' RESURFACING

PE
 HMA

PE
 HMA

9' (& VARIES) AGG SHLD
 WEDGE, TYPE B

EX ROW

IL ROUTE 38

CENTER LINE-RUMBLE STRIP-16" AND
 HOT SPRAY THERMOPLASTIC PAVEMENT MARKING -
 4" YELLOW LINE LEFT
 4" YELLOW SKIP-DASH RIGHT
 (10' DASH, 30' SKIP)

CENTER LINE-RUMBLE STRIP-16" AND
 HOT SPRAY THERMOPLASTIC PAVEMENT MARKING -
 4" YELLOW SKIP-DASH
 (10' DASH, 30' SKIP)

MATCH LINE STA. 284+00 - SEE ABOVE RIGHT

MATCH LINE STA. 298+00 - SEE SHEET NO.10

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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DESIGNED - TLH	REVISED -
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 @ RUMBLE
DATE - 12-17-10	FILE - 100153-WO-16-PLAN3.sht

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**IL ROUTE 38
 WEST COUNTY LINE ROAD TO IL ROUTE 47
 ROADWAY & PAVEMENT MARKING PLAN**

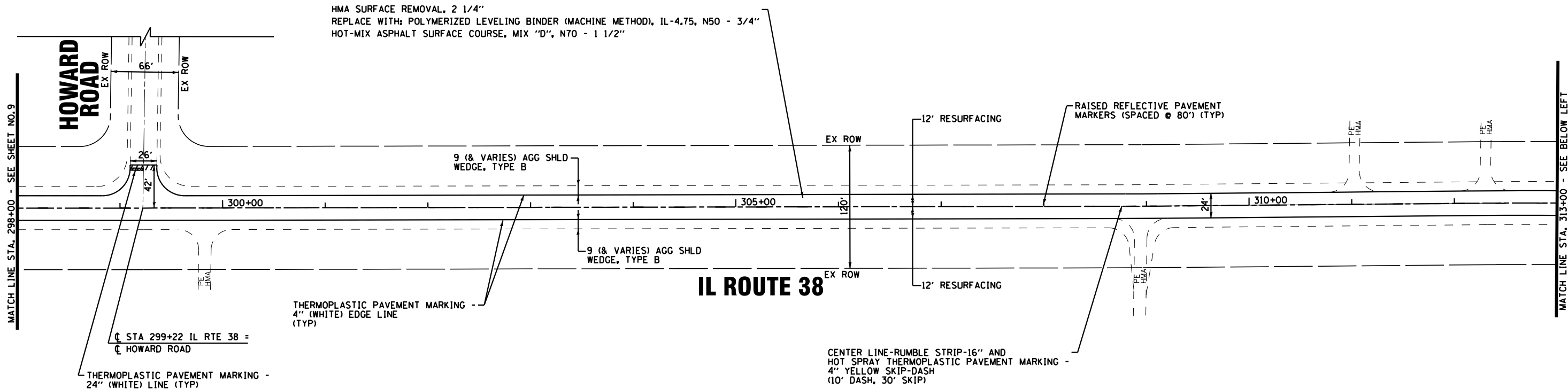
SCALE: 1"=50'

STA.269+00 TO STA.298+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-R5-3	KANE	30	9
C-91-307-11			CONTRACT NO. 60N37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



HMA SURFACE REMOVAL, 2 1/4"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"



MATCH LINE STA. 298+00 - SEE SHEET NO.9

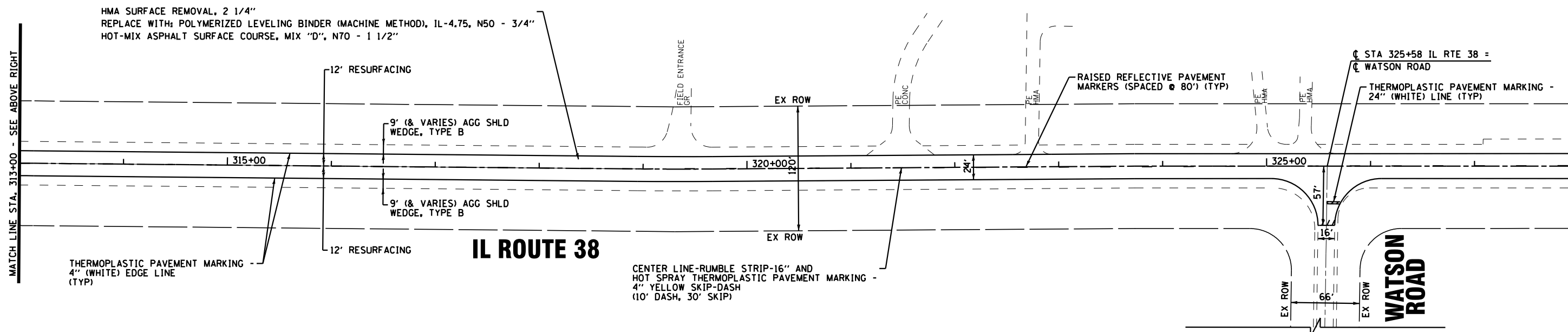
MATCH LINE STA. 313+00 - SEE BELOW LEFT

IL ROUTE 38

☐ STA 299+22 IL RTE 38 =
 ☐ HOWARD ROAD

CENTER LINE-RUMBLE STRIP-16" AND
 HOT SPRAY THERMOPLASTIC PAVEMENT MARKING -
 4" YELLOW SKIP-DASH
 (10' DASH, 30' SKIP)

HMA SURFACE REMOVAL, 2 1/4"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"



MATCH LINE STA. 313+00 - SEE ABOVE RIGHT

MATCH LINE STA. 328+00 - SEE SHEET NO.11

IL ROUTE 38

☐ STA 325+58 IL RTE 38 =
 ☐ WATSON ROAD

CENTER LINE-RUMBLE STRIP-16" AND
 HOT SPRAY THERMOPLASTIC PAVEMENT MARKING -
 4" YELLOW SKIP-DASH
 (10' DASH, 30' SKIP)

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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DESIGNED - TLH	REVISED -
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 ☐ RUMBLE
DATE - 12-17-10	FILE - 100153-WO-16-PLAN4.sht

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**IL ROUTE 38
 WEST COUNTY LINE ROAD TO IL ROUTE 47
 ROADWAY & PAVEMENT MARKING PLAN**

SCALE: 1"=50'

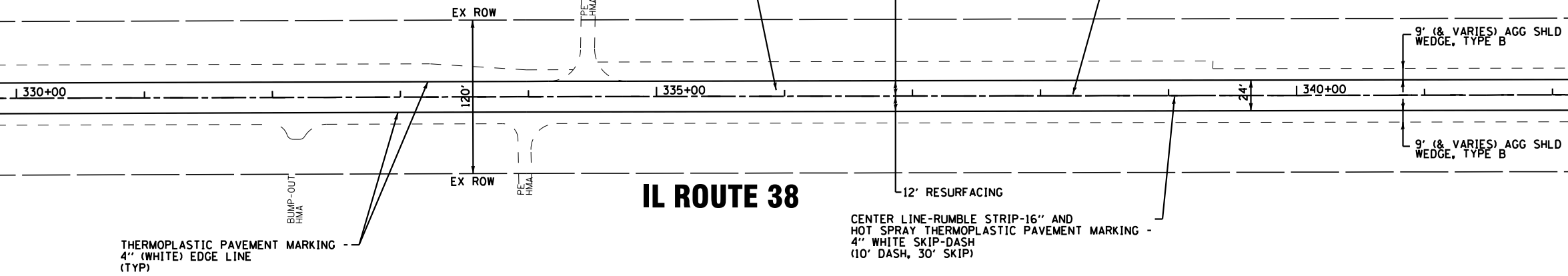
STA. 298+00 TO STA. 328+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-RS-3	KANE	30	10
C-91-307-11			CONTRACT NO. 60N37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

HMA SURFACE REMOVAL, 2 1/4"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"

MATCH LINE STA. 328+00 - SEE SHEET NO.10

MATCH LINE STA. 343+00 - SEE BELOW LEFT



IL ROUTE 38

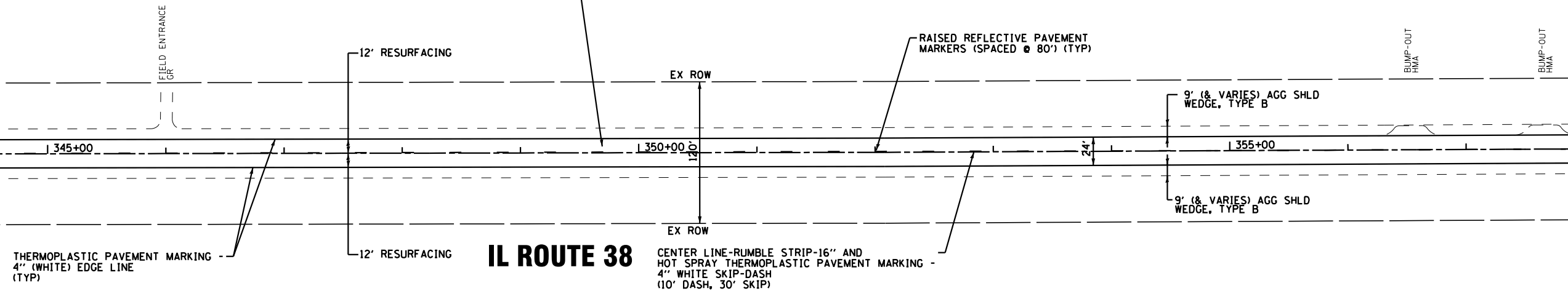
THERMOPLASTIC PAVEMENT MARKING -
 4" (WHITE) EDGE LINE (TYP)

CENTER LINE-RUMBLE STRIP-16" AND
 HOT SPRAY THERMOPLASTIC PAVEMENT MARKING -
 4" WHITE SKIP-DASH (10' DASH, 30' SKIP)

HMA SURFACE REMOVAL, 2 1/4"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 1/2"

MATCH LINE STA. 343+00 - SEE ABOVE RIGHT

MATCH LINE STA. 358+00 - SEE SHEET NO.12



IL ROUTE 38

THERMOPLASTIC PAVEMENT MARKING -
 4" (WHITE) EDGE LINE (TYP)

CENTER LINE-RUMBLE STRIP-16" AND
 HOT SPRAY THERMOPLASTIC PAVEMENT MARKING -
 4" WHITE SKIP-DASH (10' DASH, 30' SKIP)

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 -
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 @ RUMBLE
DATE - 12-17-10	FILE - 100153-WO-16-PLAN5.sht

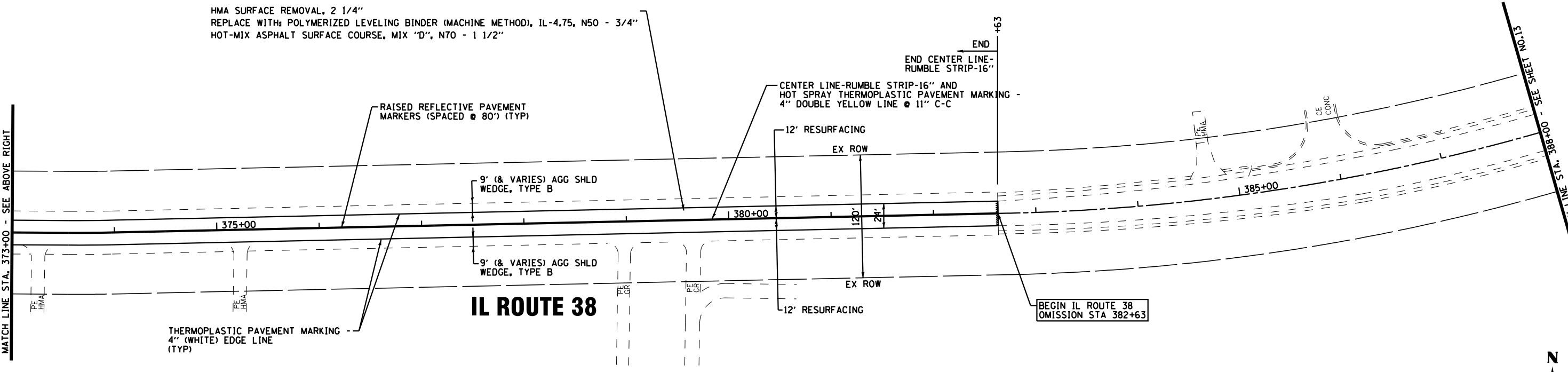
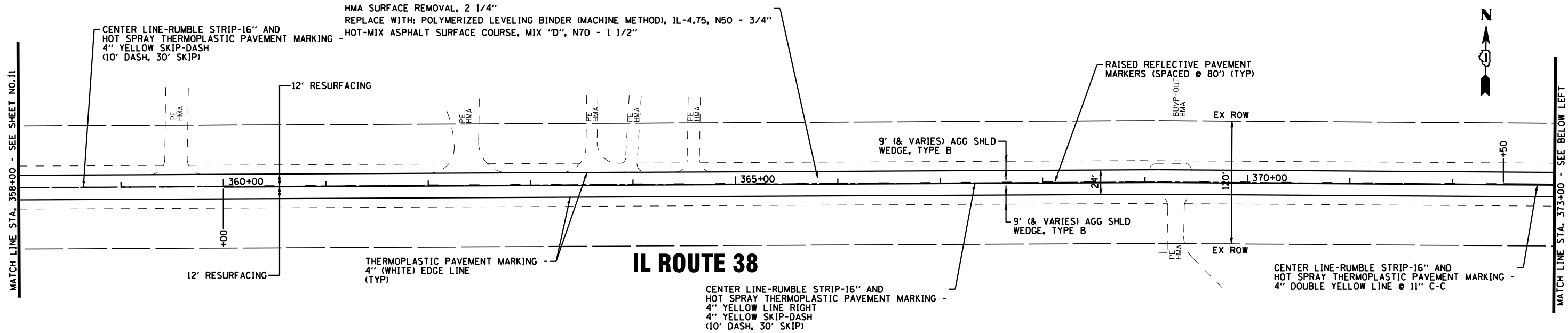
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**IL ROUTE 38
 WEST COUNTY LINE ROAD TO IL ROUTE 47
 ROADWAY & PAVEMENT MARKING PLAN**

SCALE: 1"=50'

STA. 328+00 TO STA. 358+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-RS-3	KANE	30	11
C-91-307-11		CONTRACT NO. 60N37		
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 -
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 @ RUMBLE
DATE - 12-17-10	FILE - 100153-WO-16-PLAN6.sht

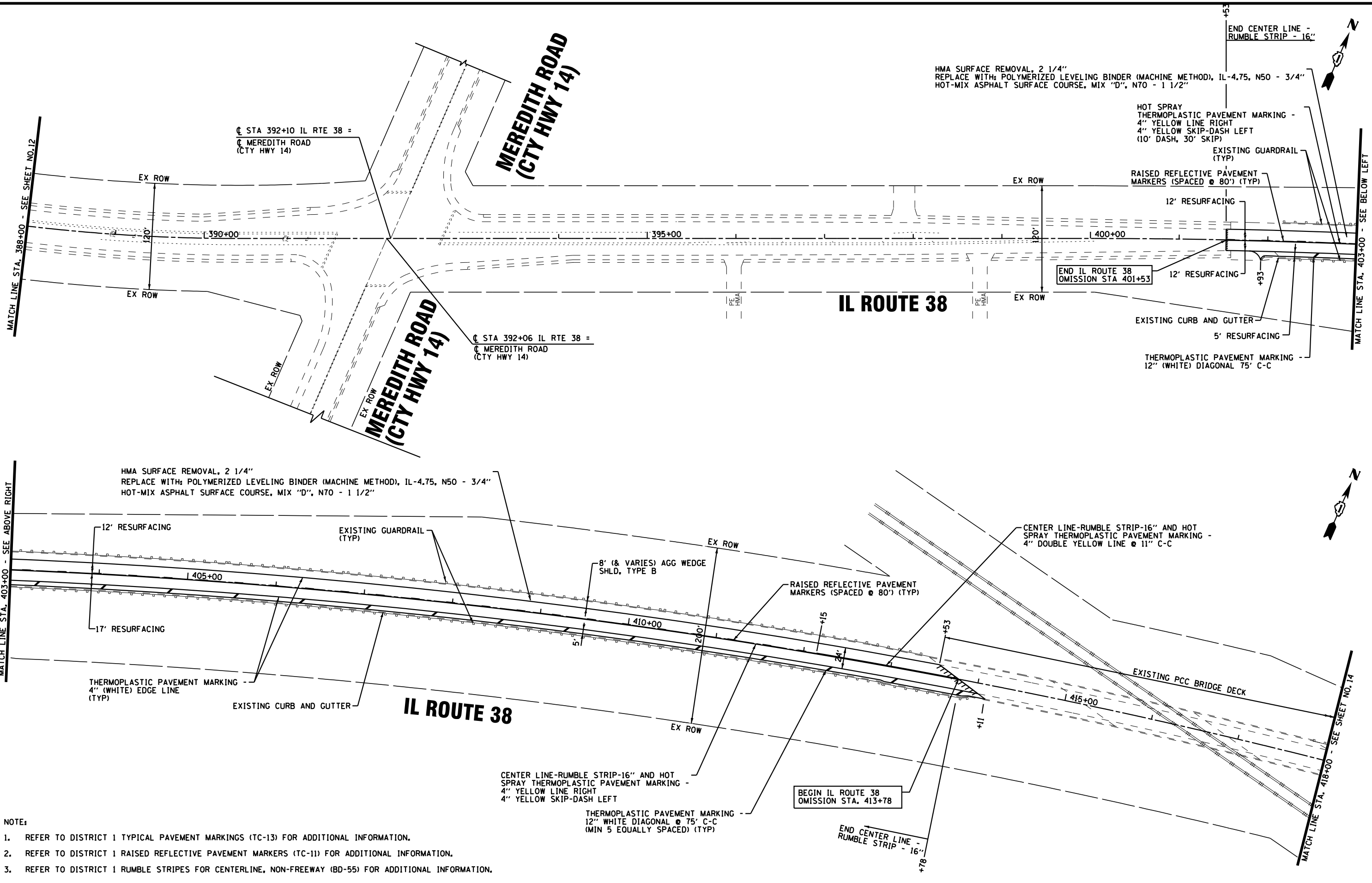
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**IL ROUTE 38
WEST COUNTY LINE ROAD TO IL ROUTE 47
ROADWAY & PAVEMENT MARKING PLAN**

SCALE: 1"=50' STA. 358+00 TO STA. 388+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-R5-3	KANE	30	12
C-91-307-11		CONTRACT NO. 60N37		
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.

DESIGNED - TLH	REVISED -
DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
CHECKED - RWL	REVISED - 5-12-14 @ RUMBLE
DATE - 12-17-10	FILE - 100153-WO-16-PLAN7.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

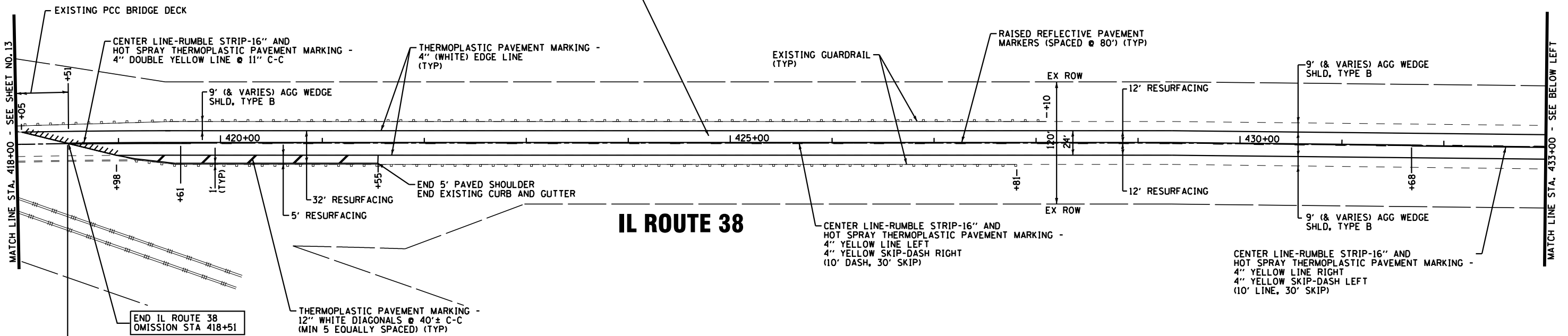
IL ROUTE 38
WEST COUNTY LINE ROAD TO IL ROUTE 47
ROADWAY & PAVEMENT MARKING PLAN

SCALE: 1"=50'
 STA. 388+00 TO STA. 418+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-R5-3	KANE	30	13
C-91-307-11		CONTRACT NO. 60N37		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



HMA SURFACE REMOVAL, 3"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 1"
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 2"

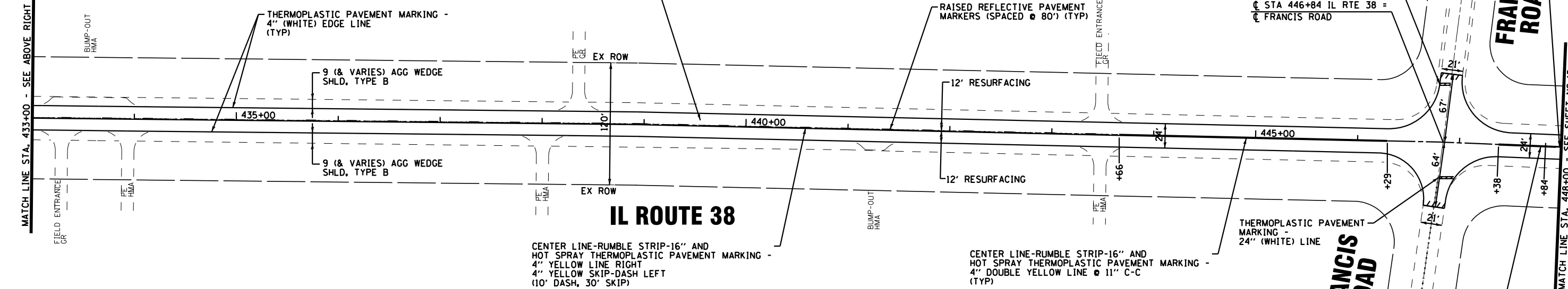


IL ROUTE 38

MATCH LINE STA. 418+00 - SEE SHEET NO. 13
 +51
 BEGIN CENTER LINE - RUMBLE STRIP - 16"
 END IL ROUTE 38 OMISSION STA 418+51

CENTER LINE-RUMBLE STRIP-16" AND HOT SPRAY THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW LINE LEFT 4" YELLOW SKIP-DASH RIGHT (10' DASH, 30' SKIP)

HMA SURFACE REMOVAL, 3"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 1"
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 2"



IL ROUTE 38

- 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.

CENTER LINE-RUMBLE STRIP-16" AND HOT SPRAY THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW LINE @ 11" C-C (TYP)

FRANCIS ROAD

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED -
	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
	CHECKED - RWL	REVISED - 5-12-14 @ RUMBLE
	DATE - 12-17-10	FILE - 100153-WO-16-PLAN8.sht

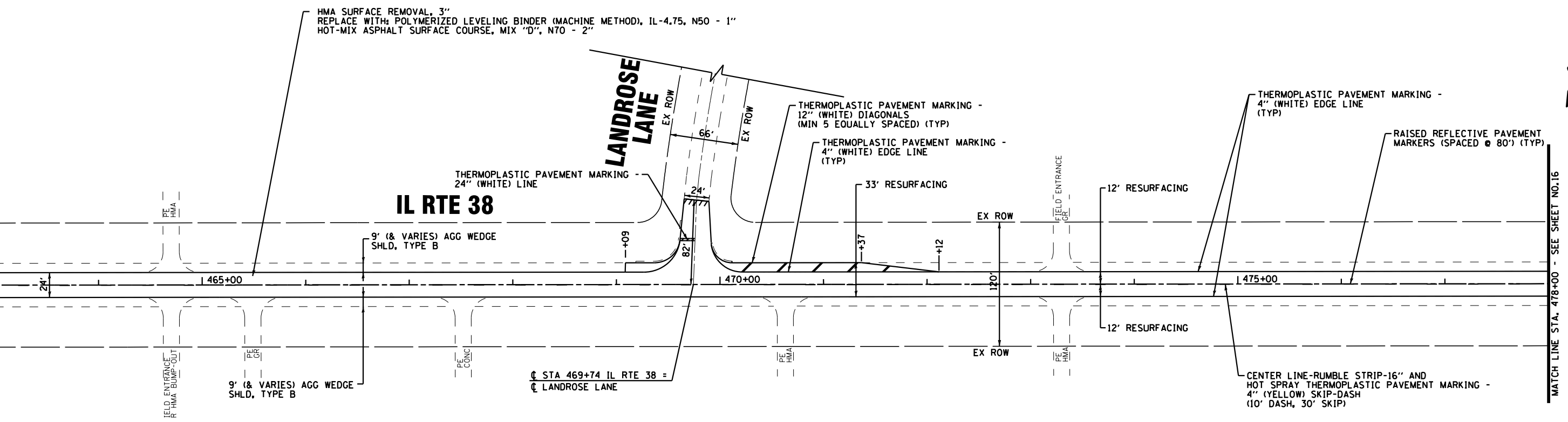
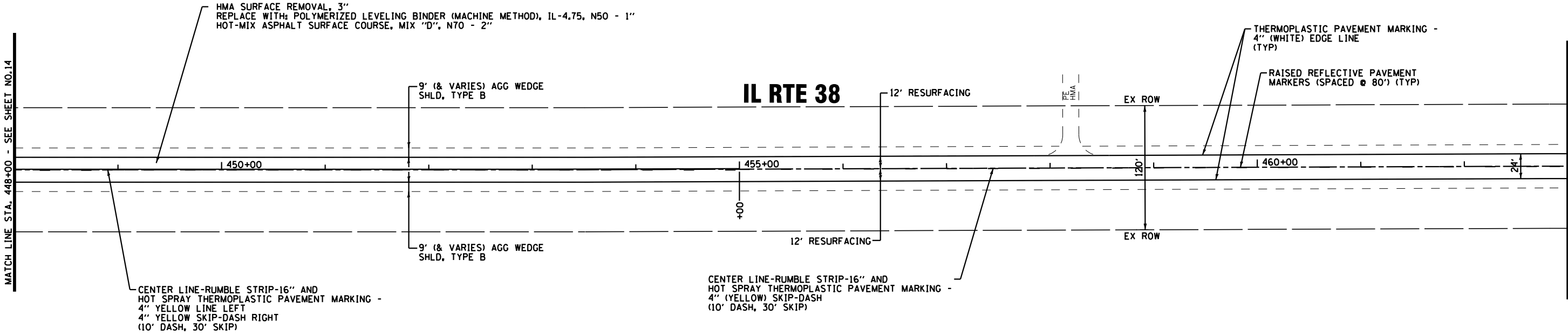
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 38
 WEST COUNTY LINE ROAD TO IL ROUTE 47
 ROADWAY & PAVEMENT MARKING PLAN**

SCALE: 1"=50' STA. 418+00 TO STA. 448+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-R5-3	KANE	30	14
C-91-307-11		CONTRACT NO. 60N37		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





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

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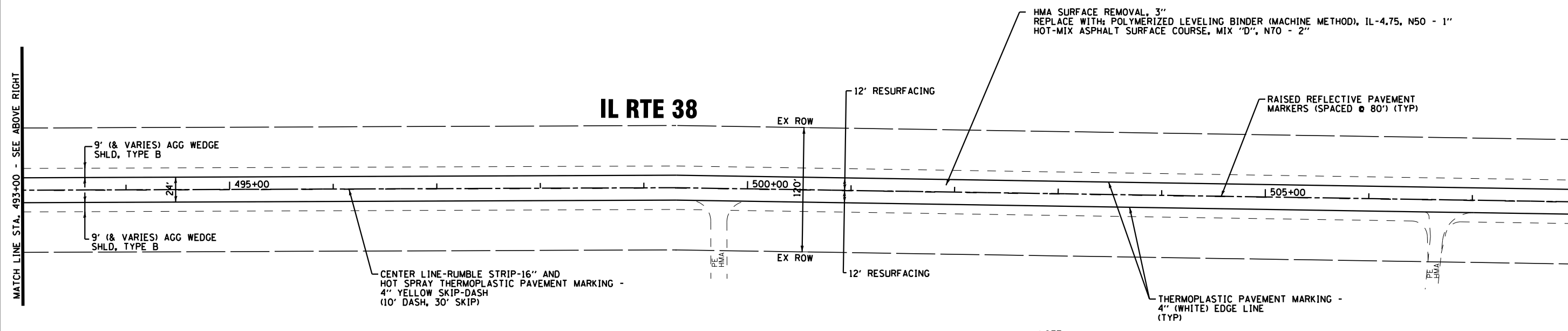
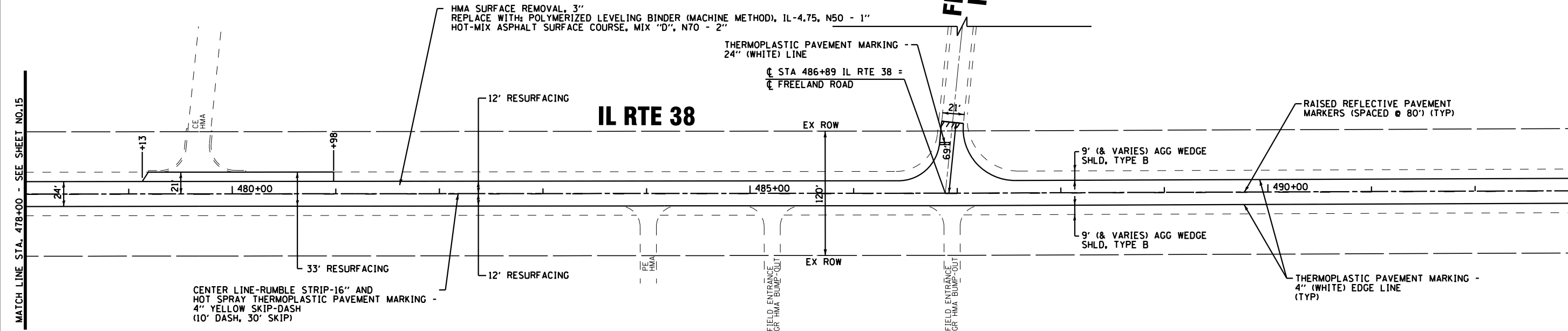
BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED -
	DRAWN - UKB	REVISED - 10-22-12 IDOT REVIEW
	CHECKED - RWL	REVISED - 5-12-14 @ RUMBLE
	DATE - 12-17-10	FILE - 100153-WO-16-PLAN9.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 38
WEST COUNTY LINE ROAD TO IL ROUTE 47
ROADWAY & PAVEMENT MARKING PLAN**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-R5-3	KANE	30	15
C-91-307-11		CONTRACT NO. 60N37		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' STA. 448+00 TO STA. 478+00



- 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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DESIGNED - TLH	REVISED -
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DATE - 12-17-10	FILE - 100153-WO-16-PLAN10.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
WEST COUNTY LINE ROAD TO IL ROUTE 47
ROADWAY & PAVEMENT MARKING PLAN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-RS-3	KANE	30	16
C-91-307-11		CONTRACT NO. 60N37		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

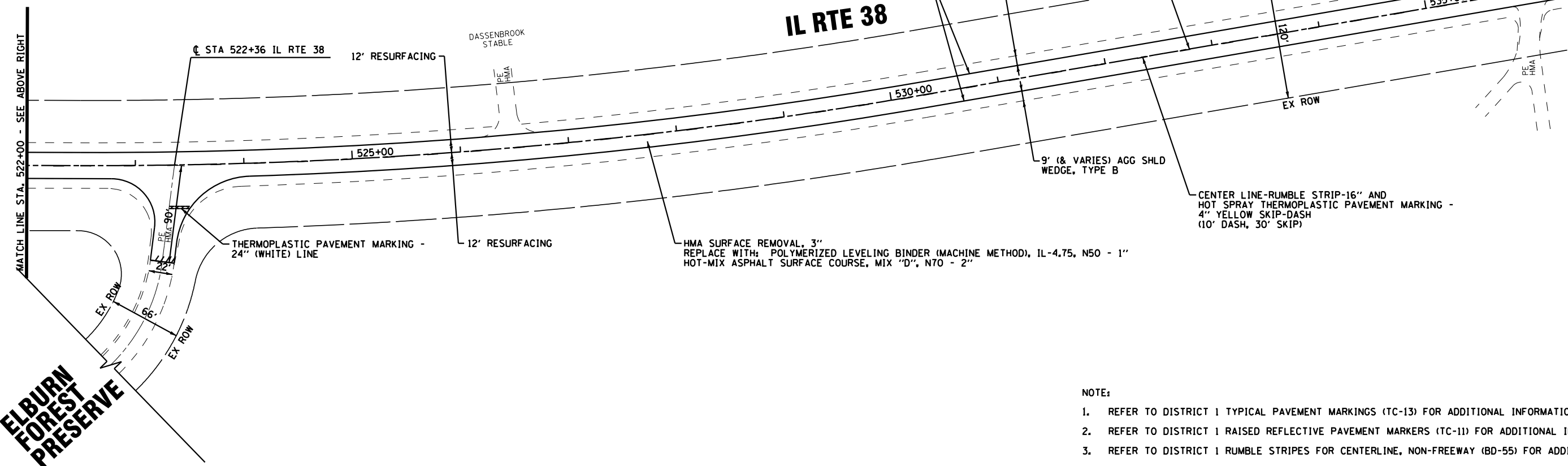
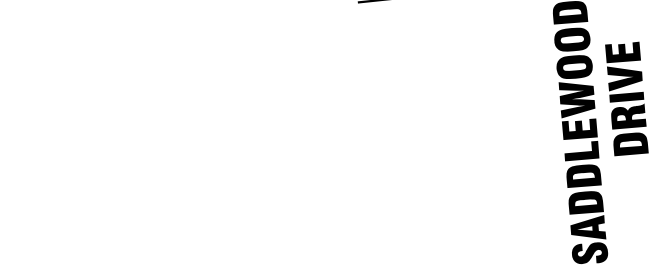
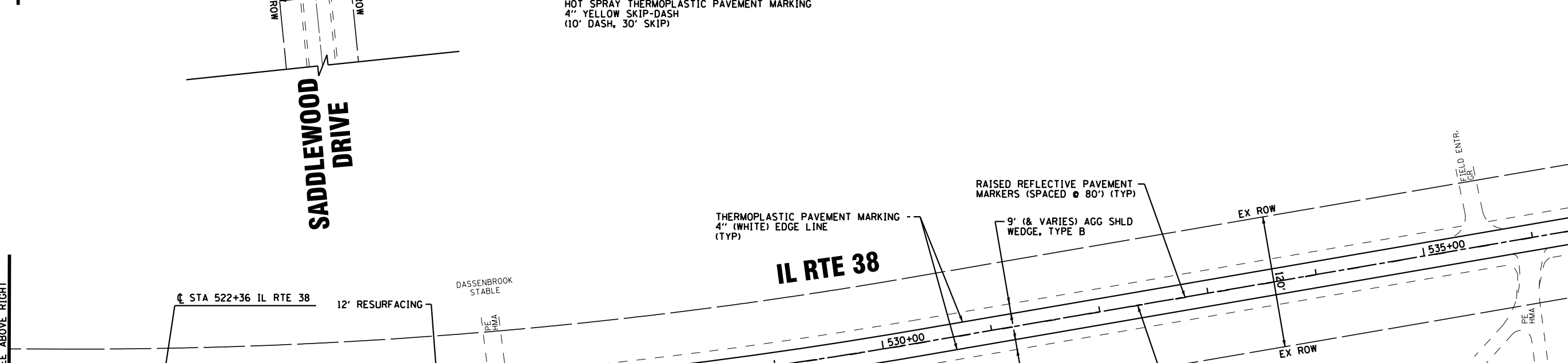
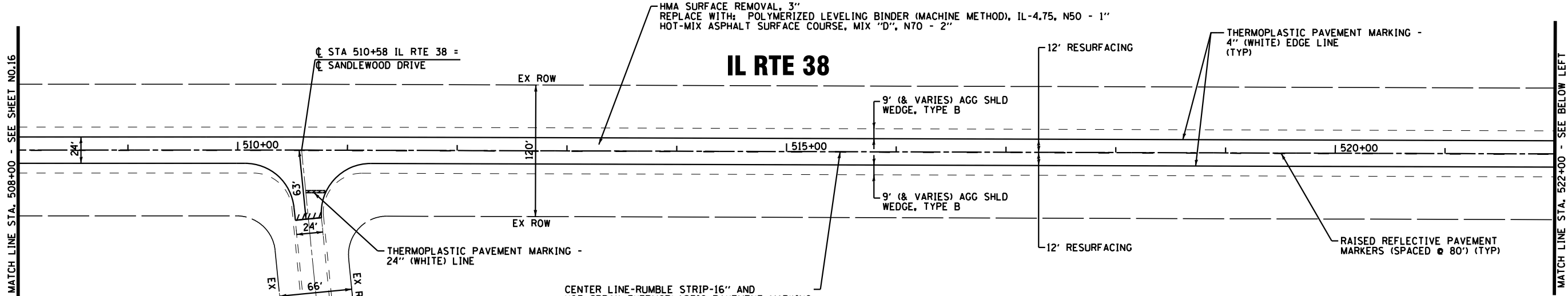
SCALE: 1"=50' STA. 478+00 TO STA. 508+00

MATCH LINE STA. 478+00 - SEE SHEET NO.15

MATCH LINE STA. 493+00 - SEE BELOW LEFT

MATCH LINE STA. 493+00 - SEE ABOVE RIGHT

MATCH LINE STA. 508+00 - SEE SHEET NO.17



- 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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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

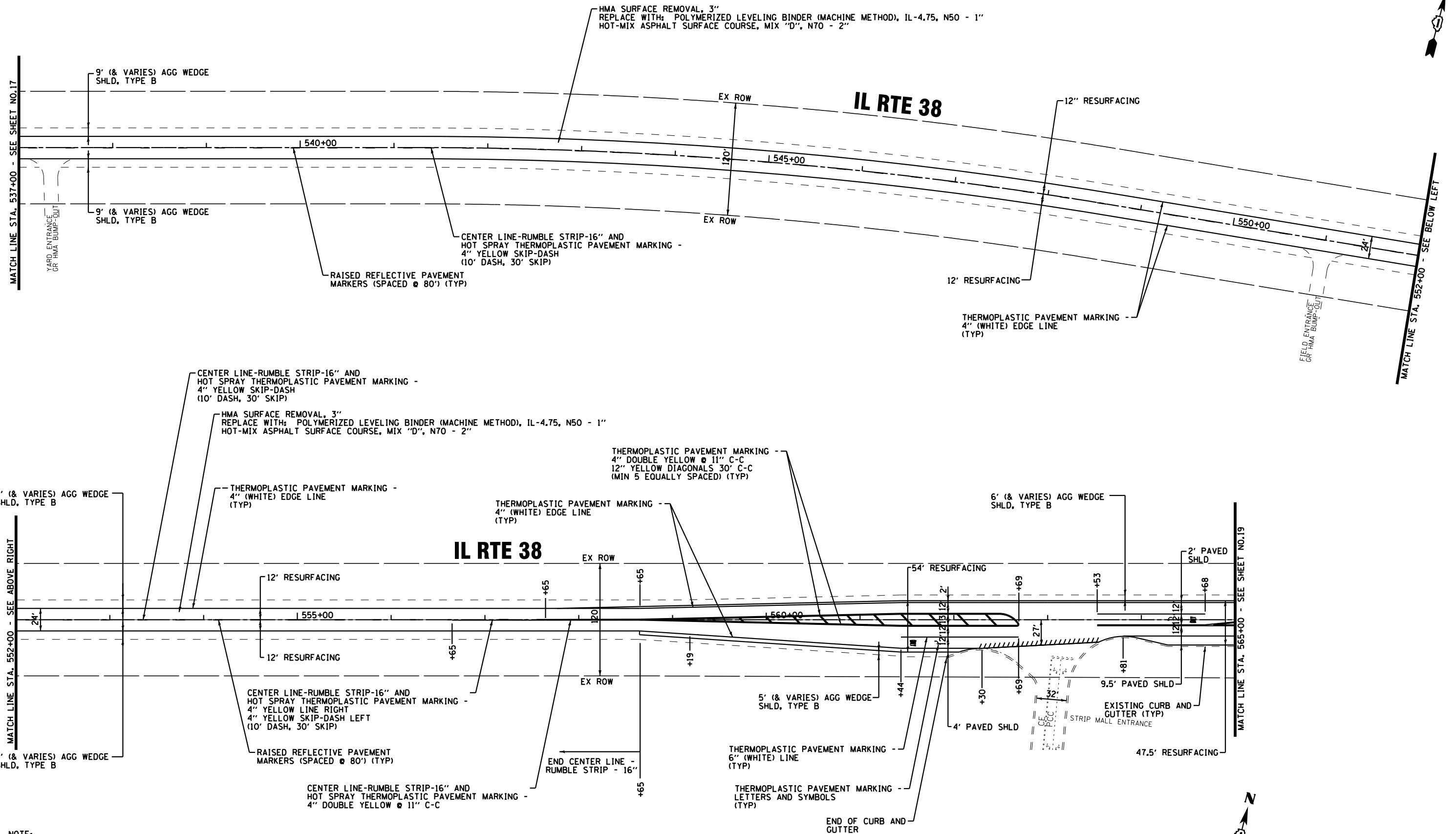
**IL ROUTE 38
WEST COUNTY LINE ROAD TO IL ROUTE 47
ROADWAY & PAVEMENT MARKING PLAN**

SCALE: 1"=50' STA. 508+00 TO STA. 537+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-RS-3	KANE	30	17
C-91-307-11			CONTRACT NO. 60N37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



ELBURN FOREST PRESERVE



- 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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BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED - 7-20-11 IDOT REVIEW
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	DATE - 12-17-10	FILE - 100153-wo-16-PLAN12.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
WEST COUNTY LINE ROAD TO IL ROUTE 47
ROADWAY & PAVEMENT MARKING PLAN

SCALE: 1"=50'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-R5-3	KANE	30	18
C-91-307-11			CONTRACT NO. 60N37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



HMA SURFACE REMOVAL, 3"
 REPLACE WITH: POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 1"
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 2"

THERMOPLASTIC PAVEMENT MARKING -
 4" DOUBLE YELLOW @ 11" C-C
 WITH 12" DIAGONALS 50' C-C
 (MIN 5 EQUALLY SPACED)

THERMOPLASTIC PAVEMENT MARKING -
 4" (WHITE) EDGE LINE
 (TYP)

6' (& VARIES) AGG WEDGE
 SHLD, TYPE B

50' RESURFACING

2' PAVED
 SHLD

47' RESURFACING
 EX ROW

THERMOPLASTIC PAVEMENT MARKING -
 6" (WHITE) SKIP-DASH
 (2' DASH, 6' SKIP) (TYP)

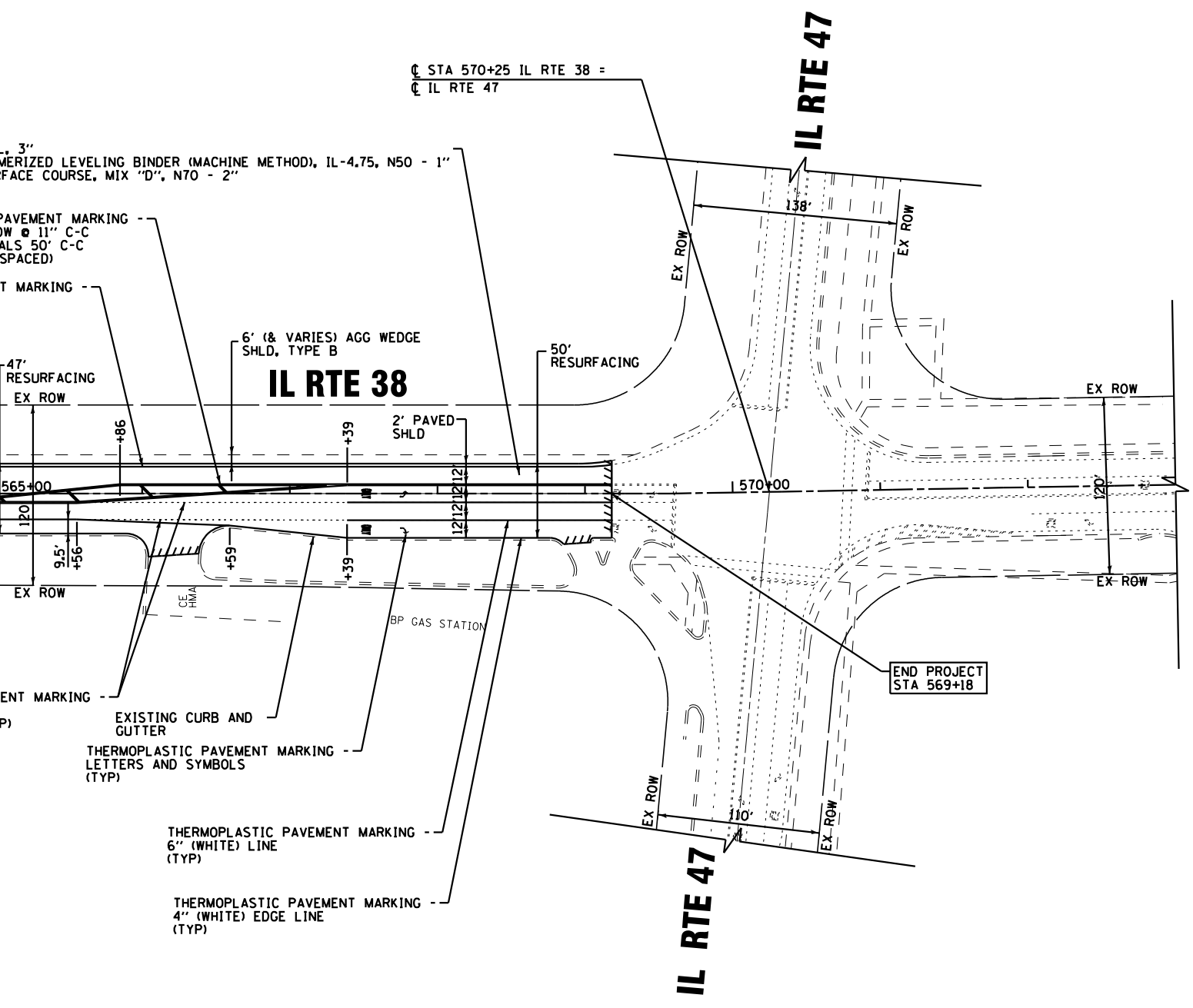
EXISTING CURB AND
 GUTTER

THERMOPLASTIC PAVEMENT MARKING -
 LETTERS AND SYMBOLS
 (TYP)

THERMOPLASTIC PAVEMENT MARKING -
 6" (WHITE) LINE
 (TYP)

THERMOPLASTIC PAVEMENT MARKING -
 4" (WHITE) EDGE LINE
 (TYP)

MATCH LINE STA. 565+00 - SEE SHEET NO.18



END PROJECT
 STA 569+18

- 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-16-PLAN13.sht

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 38
 WEST COUNTY LINE ROAD TO IL ROUTE 47
 ROADWAY & PAVEMENT MARKING PLAN

SCALE: 1"=50'

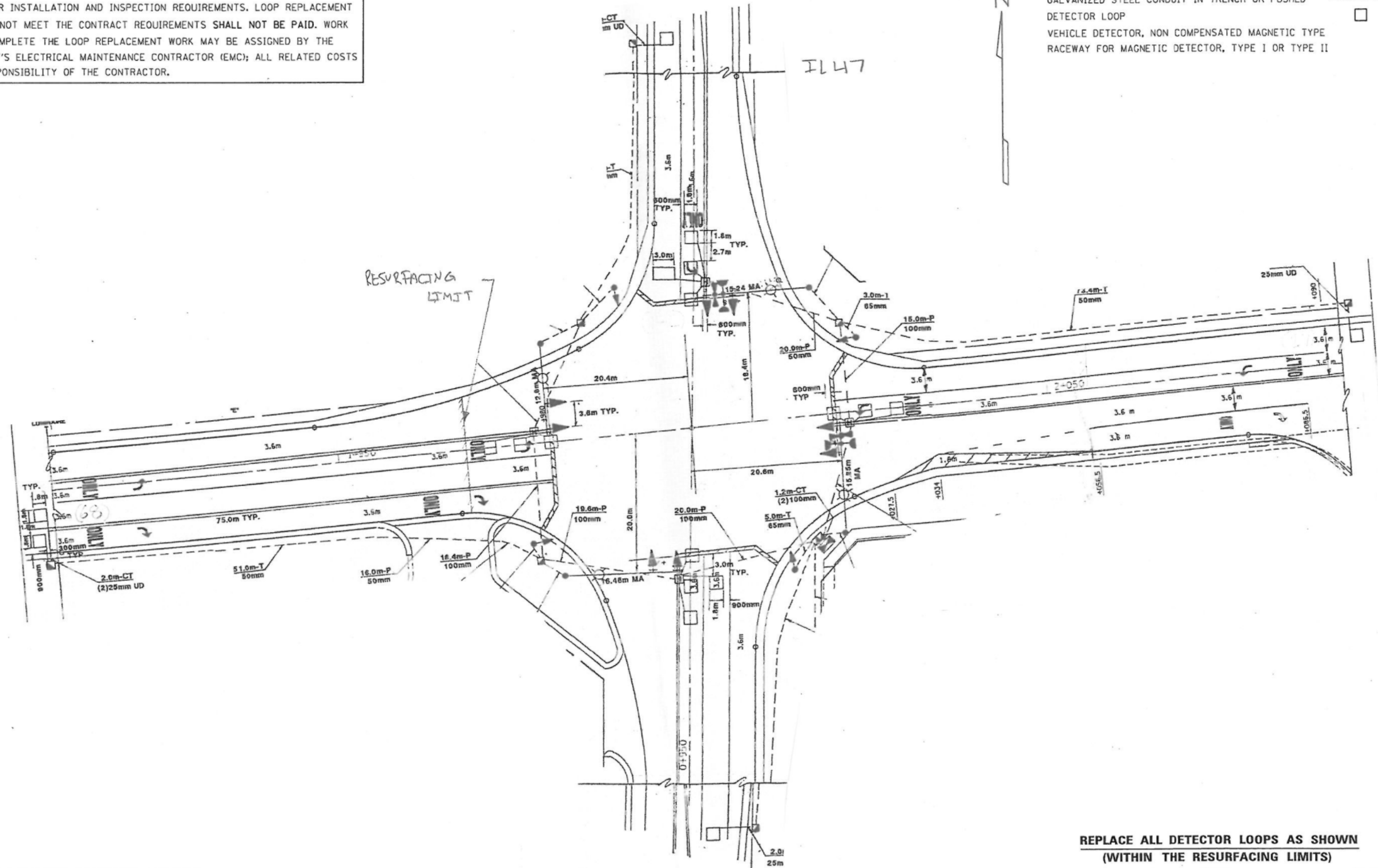
STA. 565+00 TO STA. 570+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-RS-3	KANE	30	19
C-91-307-11		CONTRACT NO. 60N37		
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	68	FOOT	DETECTOR LOOP, REPLACEMENT

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - TLH	REVISED -
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	CHECKED - RWL	REVISED -
	DATE - 12-17-10	FILE - 100153-WO-16-DET.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 38
WEST COUNTY LINE ROAD TO IL ROUTE 47
IL 38 IL 47**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-RS-3	KANE	30	20
C-91-307-11		CONTRACT NO. 60N37		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: STA. TO STA.

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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 265 S. WASHINGTON ST., SUITE 200, CHICAGO, IL 60604
 312.467.1000
 PROJECT NO. 04-01-01-01
 SHEET NO. 21 OF 30
 DATE: 10/25/04
 FILE NAME: C:\projects\04-01-01-01\04-01-01-01.dwg
 USER: RSHAH
 DESIGNED: R. SHAH
 DRAWN: R. SHAH
 CHECKED: R. SHAH
 DATE: 10-25-04
 REVISIONS:
 1. A. ABBAS 04-27-08
 2. R. JCHO 01-01-07
 3. R. BORO 09-04-07
 4. K. LING 10-27-08

FILE NAME	USER NAME	DESIGNED	REVISIONS
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PLCT SCALE = 50.000' / 1"		CHECKED	R. JCHO 01-01-07
PLCT DATE = 10/27/2000		DATE	R. BORO 09-04-07
			K. LING 10-27-08

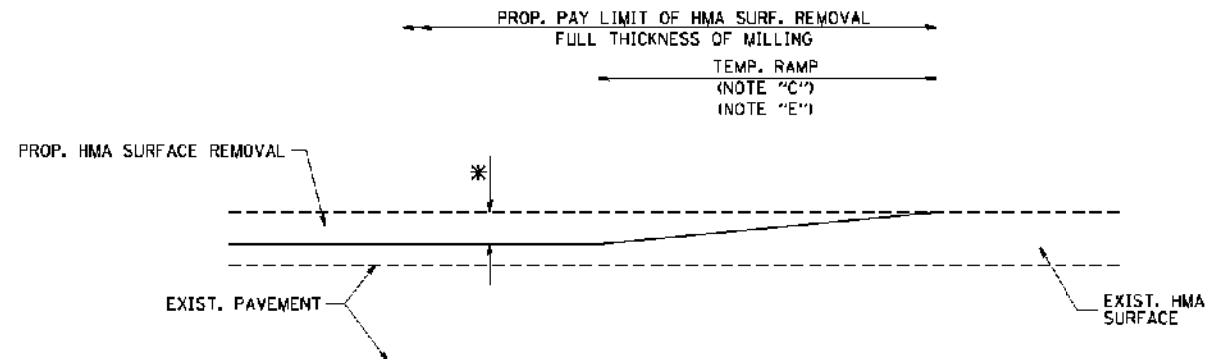
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DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

SCALE: NONE SHEET NO. 1 OF 3 SHEETS STA. TO STA.

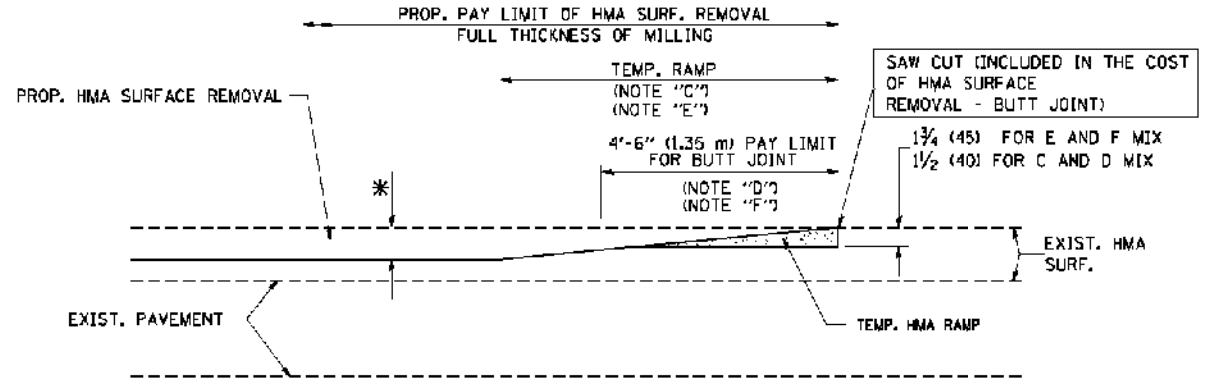
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567	5R-RS-3	KANE	30	21
BD400-04 (BD-22)			CONTRACT NO. 60N37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

C-91-307-11



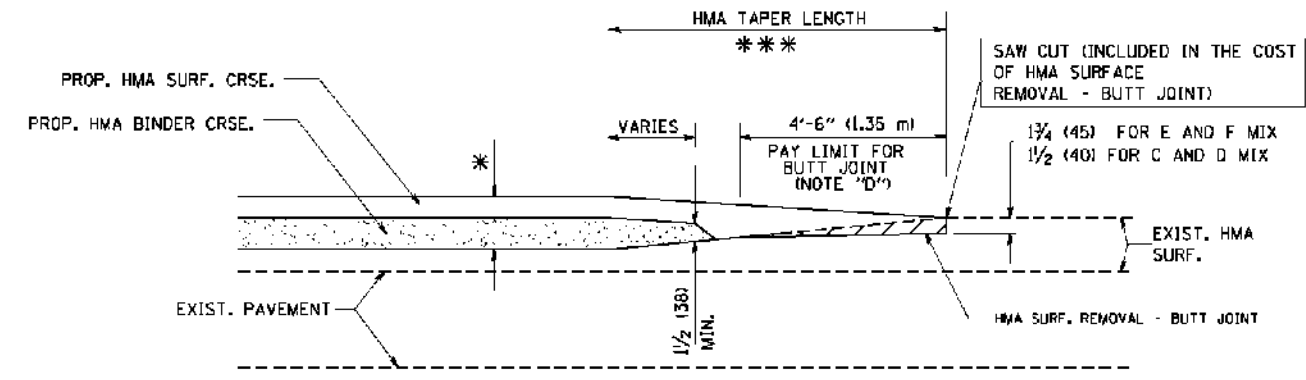
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

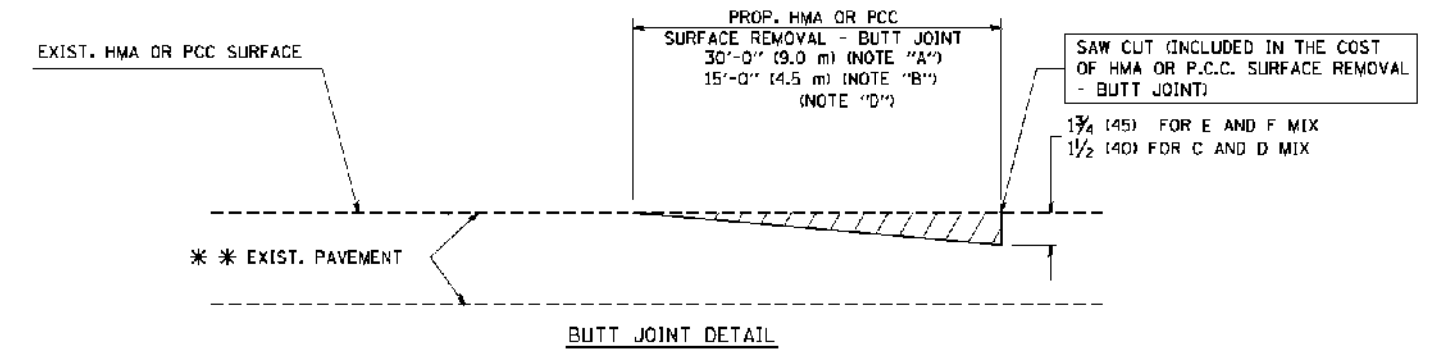


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

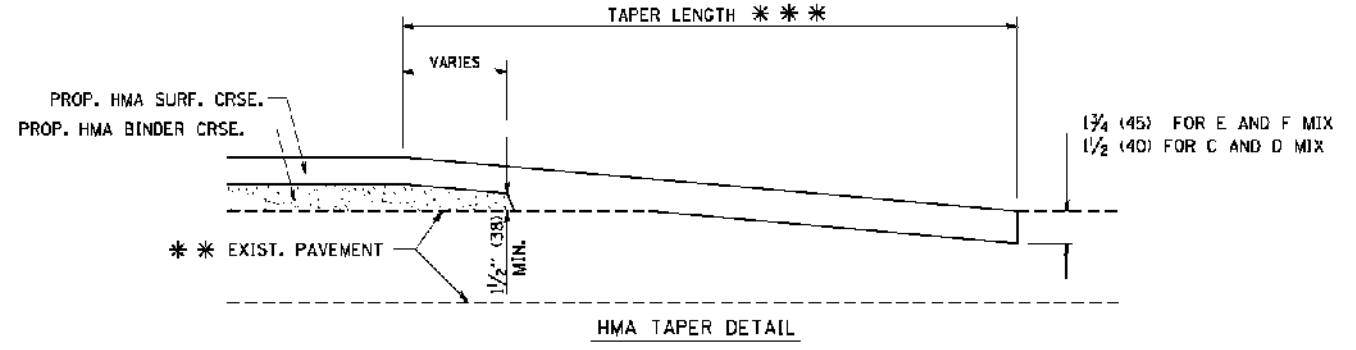
OPTION 2
TYPICAL TEMPORARY RAMP



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".

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

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FILE NAME -	USER NAME - goglenoot	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
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	PLCT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORD 01-01-07

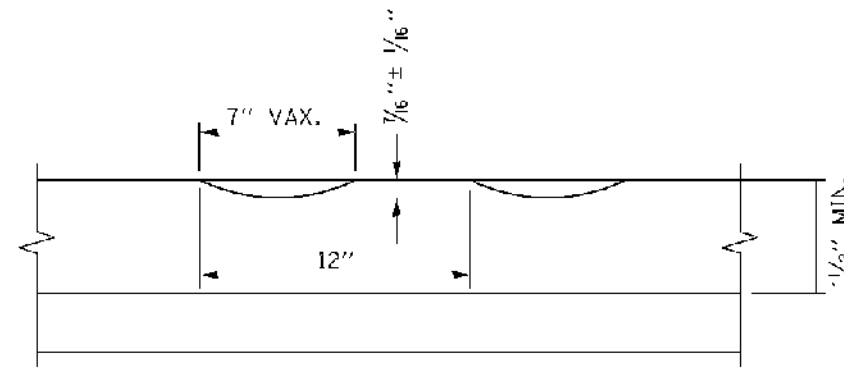
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DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

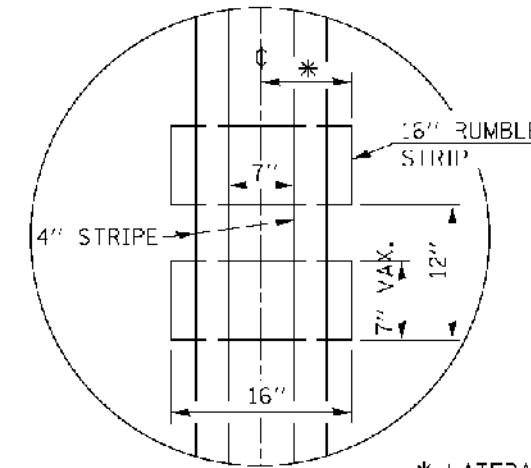
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-RS-3	KANE	30	22
BD400-05 8032			CONTRACT NO. 60N37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

C-91-307-11



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.

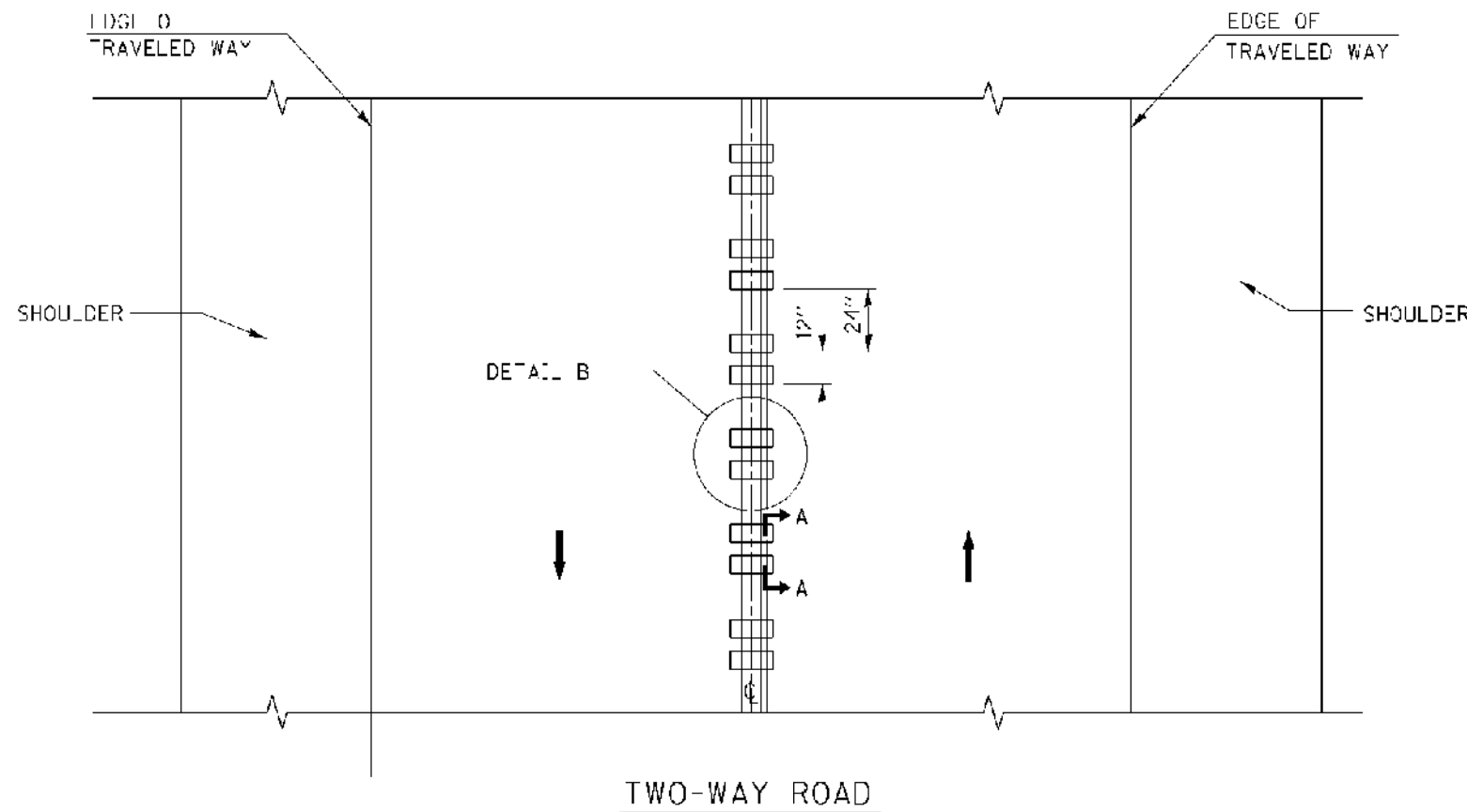
AFTER RUMBLE STRIPS ARE INSTALLED, THE PAVEMENT SURFACE SHALL BE SWEEPED CLEAN PRIOR TO THE PLACEMENT OF THE NEW PAVEMENT MARKINGS.

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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 265 S. WASHINGTON ST., SUITE 200, CHICAGO, IL 60604
 312.467.1000
 5/22/2012

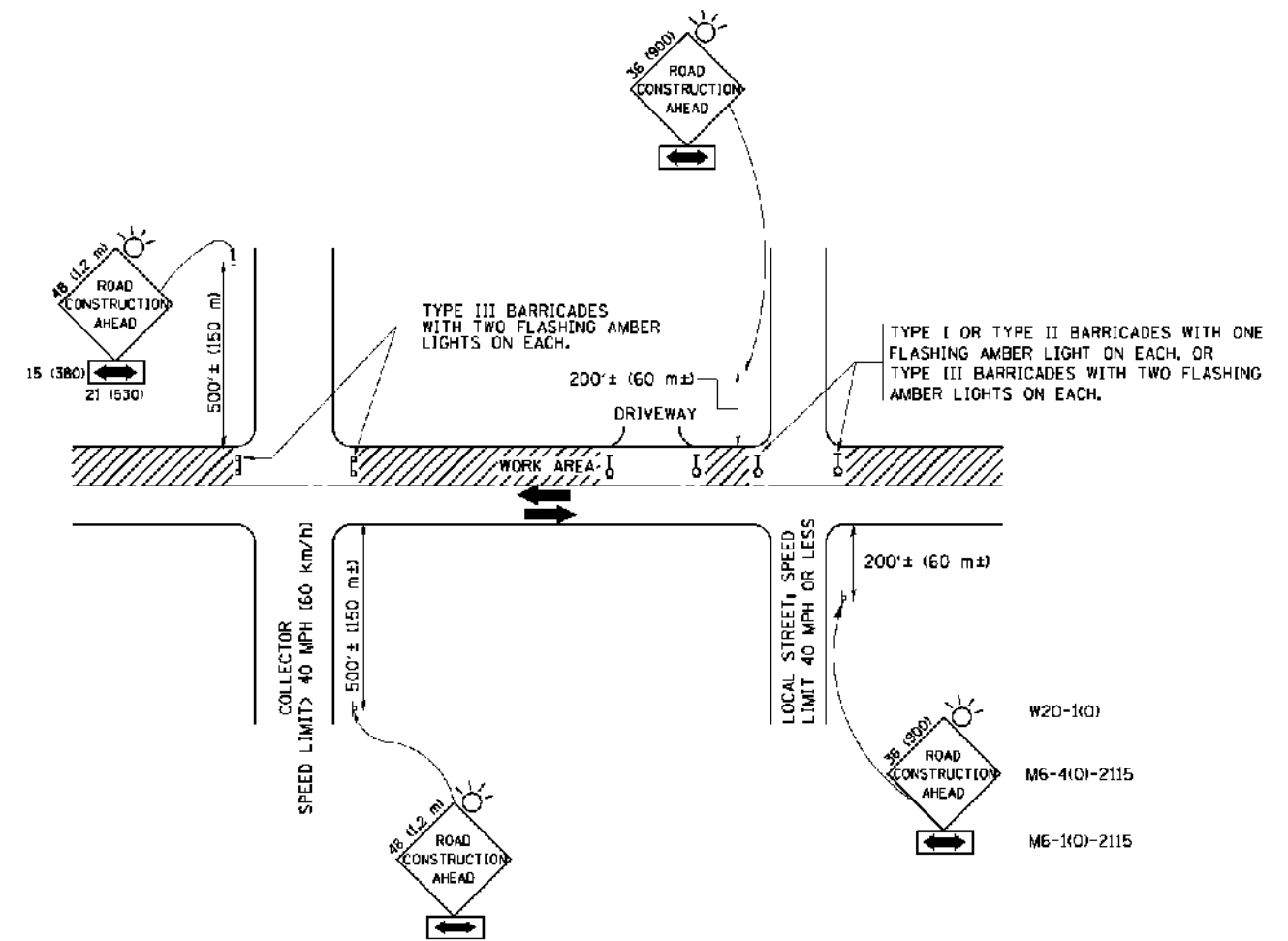
FILE NAME -	USER NAME -	DESIGNED - R. BORO	REVISED -
...	...	DRAWN	REVISED
...	...	CHECKED	REVISED
...	...	DATE - 08-06-2012	REVISED -

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.
			30	23
BD 55		CONTRACT NO.		
FED. ROAD DIST. NO. 1 (ILLINOIS) (R. AND PROJ. CI)				

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 PROJECT NO. 10-18-003-10-Design-W0-16-138-DeKalb-to-Rt-47-CADD-SURVEY-DRAWINGS\WORKS\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.

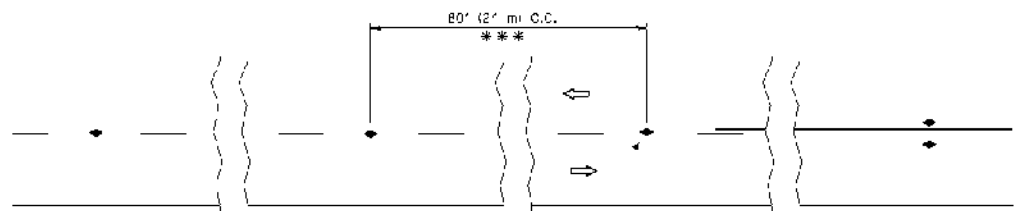
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	PLCT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

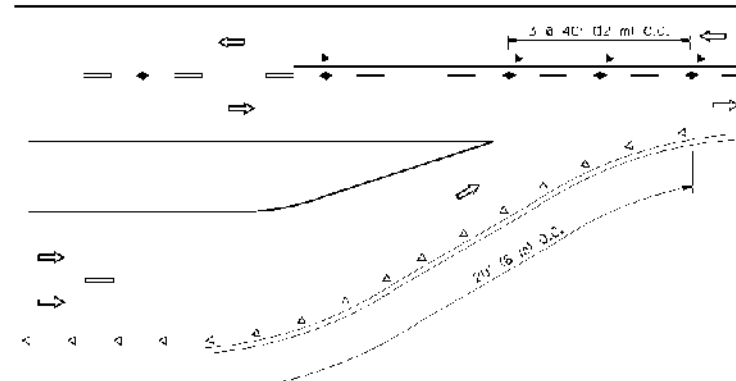
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 60N37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

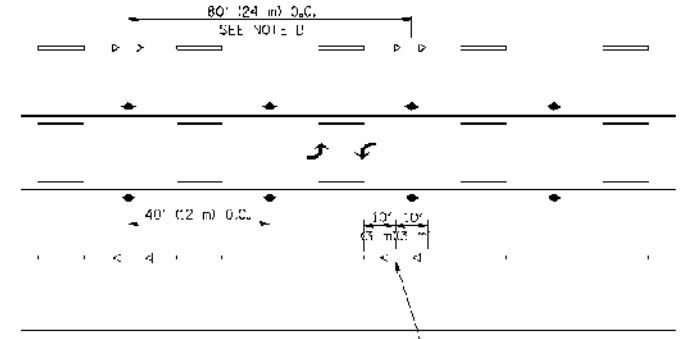


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (72 km/hr) OR LESS.

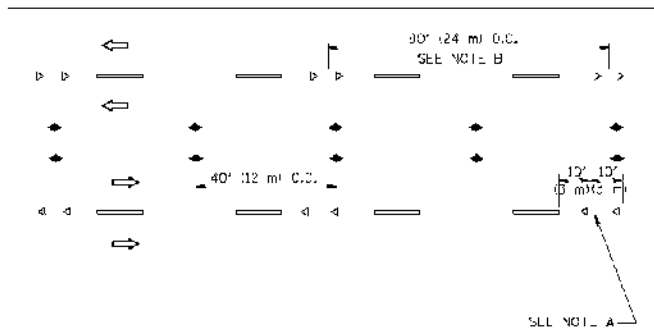
TWO-LANE/TWO-WAY



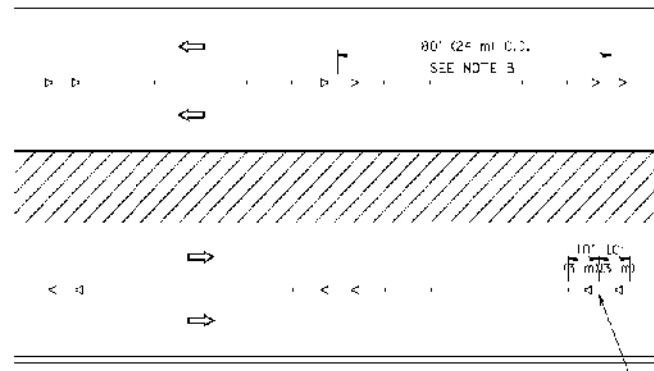
LANE REDUCTION TRANSITION



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

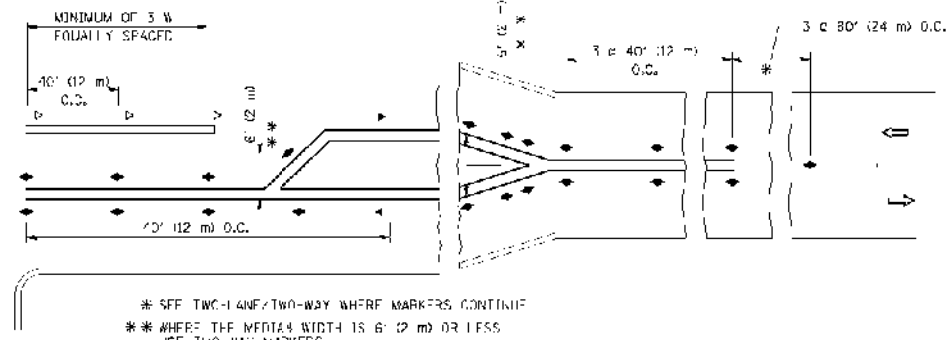
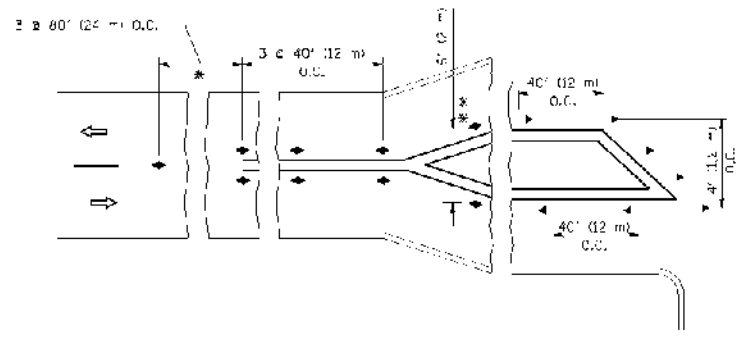
- YELLOW STRIPE
- WHITE STRIPE
- ▲ ONE-WAY ANGLE MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY ANGLE MARKER

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. (16 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.



LEFT TURN

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

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 DISTRICT ONE DETAILS - TC-11FF.dgn

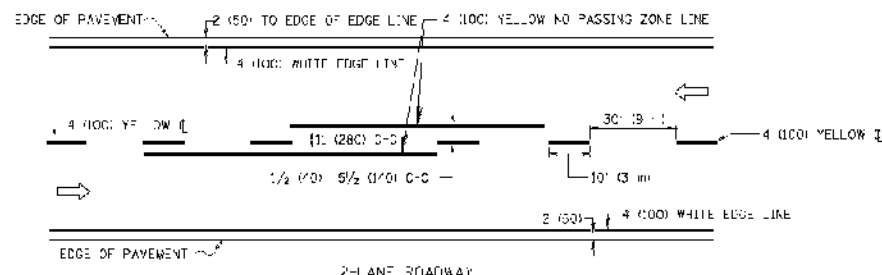
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PROJECT	DATE	DRAWN -	REVISED -
PLCT SCALE	DATE	CHECKED -	REVISED -
PLCT DATE			

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

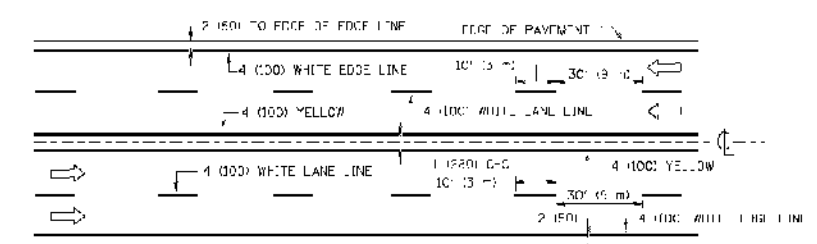
TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

STATE	COUNTY	TOTAL SHEETS	SHEET NO.
567	KANE	30	25
TC-11		CONTRACT NO. 60N37	

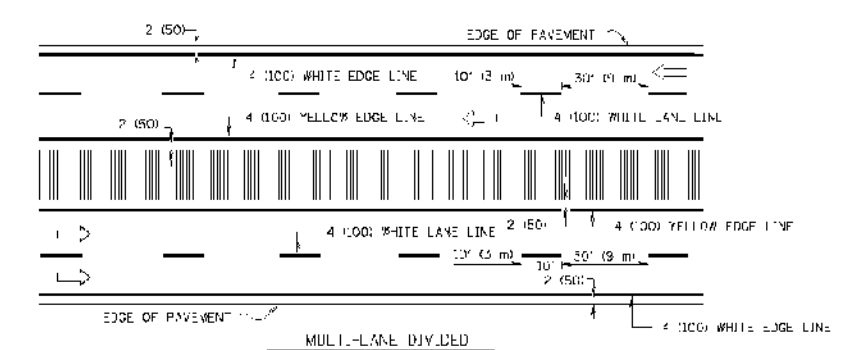
All dimensions are in inches (millimeters) unless otherwise shown.



2-LANE ROADWAY

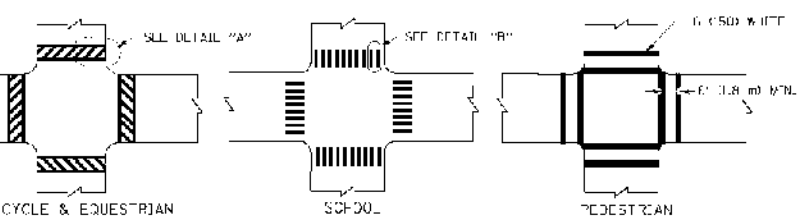


MULTILANE UNDIVIDED

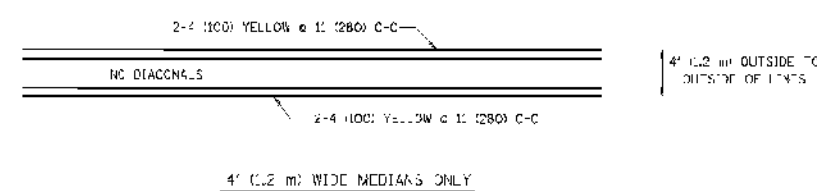


MULTILANE DIVIDED WITH MULTIPLE MEDIANS

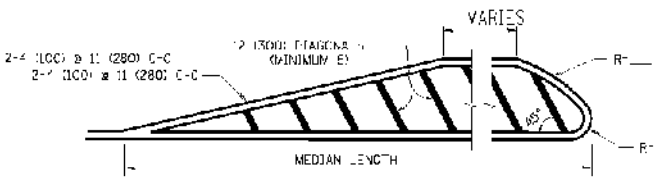
TYPICAL LANE AND EDGE LINE MARKING



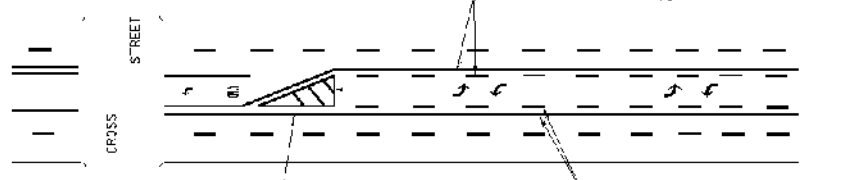
TYPICAL CROSSWALK MARKING



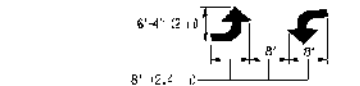
4' (1.22 m) WIDE MEDIANS ONLY



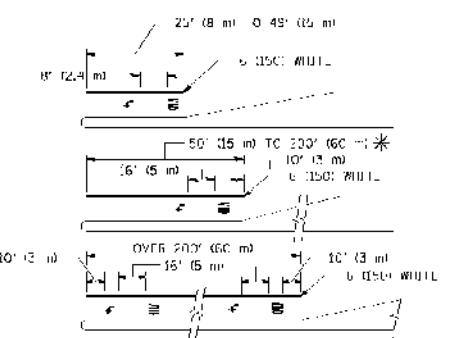
MEDIANS OVER 4' (1.22 m) WIDE



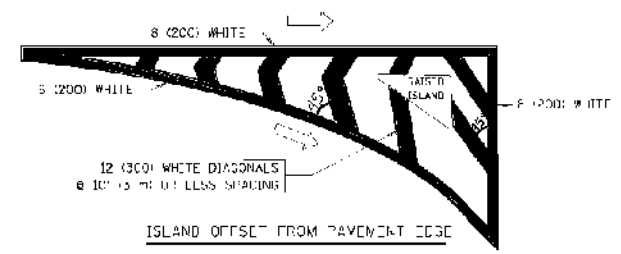
TYPICAL PAINTED MEDIAN MARKING



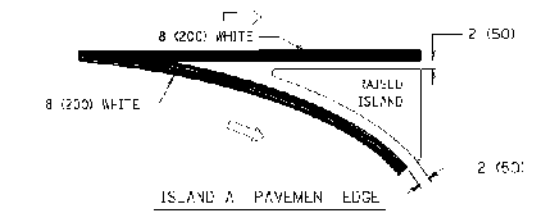
TYPICAL LEFT (OR RIGHT) TURN LANE



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) DIA WITH 30' (9.14) SPACE
CENTRELINE ON MULTILANE UNDIVIDED PAVEMENT	2' (0.61)	SOLID	YELLOW	11' (3.35) C-C
NO PASSING ZONE (NFS) FOR ONE DIRECTION	4' (1.22)	SOLID	YELLOW	5 1/2' (1.68) C-C FROM SKIP-DASH CENTERLINE TO SKIP-DASH CENTERLINE
4W LINES	4' (1.22) 6' (1.83) ON FREEWAYS	SKIP-DASH	WHITE	10' (3.05) DIA 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' (0.61) LINE WITH 6' (1.83) TO SPACE
TURN LANE MARKINGS	4' (1.22)	SOLID	WHITE	CONTINUE WITH TURN ARROWS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO TURN LANE
TWO WAY LEFT TURN MARKING	2' (0.61) EACH DIRECTION	SKIP-DASH AND SOLID	WHITE	10' (3.05) DIA WITH 30' (9.14) SPACE FOR SKIP-DASH; 5 1/2' (1.68) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
CROSSWALK LINES (PEDESTRIAN)	2' (0.61) 4' (1.22) 6' (1.83)	SOLID	WHITE	NOT LESS THAN 6' (1.83) APART
CROSSWALK LINES (BICYCLE & EQUESTRIAN)	2' (0.61) 4' (1.22) 6' (1.83)	SOLID	WHITE	NOT LESS THAN 6' (1.83) APART
STOP LINES	24' (7.32)	SOLID	WHITE	PARALLEL TO CROSSWALK IF PRESENT, OTHERWISE PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSWALK CENTERLINE WHERE POSSIBLE
MULTI MEDIANS	2' (0.61) WITH 12' (3.66) DIAGONALS @ 45°	SOLID	YELLOW	SEE TYPICAL PAINTED MEDIAN MARKINGS
CORE MARKING AND 3/4" WINDING LINES	8' (2.44) WITH 12' (3.66) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.57) C-C LESS THAN 30MPH (48 km/h) 20' (6.10) C-C 30MPH (48 km/h) TO 45MPH (72 km/h) 30' (9.14) C-C OVER 45MPH (72 km/h)
RAILROAD CROSSING	24' (7.32) TRANSVERSE: 12" (3.05) DIA @ 1.8 m DIA LETTERS: 16' (4.88) DIA @ 1.8 m DIA	SOLID	WHITE	SEE STATE STANDARD (8000) AREA OF: 12" (3.05) DIA @ 1.8 m DIA EACH LETTER: 16' (4.88) DIA @ 1.8 m DIA
SHOULDER DIAGONALS	12' (3.66) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	20' (6.10) C-C LESS THAN 30MPH (48 km/h) 25' (7.62) C-C 30MPH (48 km/h) TO 45MPH (72 km/h) 30' (9.14) C-C OVER 45MPH (72 km/h)

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

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FILE NAME: \\snp\work\pavement\crystallake\001\00053-40-Design\WO-16_138_Dekab_10_Rt_4TYCAD-SURVEY-DRAWINGS\DISTRICT ONE DETAILS - TC-11FF.dgn	USER NAME: crystallake	DESIGNED BY: EYERS	REVISED BY: RAMMACHER 10 27 04	DISTRICT ONE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLCT DATE: 5/2/2009	CHECKED: -	REVISED: -	SCALE: NONE	TC-13		CONTRACT NO. 60N37	
		DATE: 03-19-90	REVISED: -	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		CD, ROAD DIST. NO. 1 (ILLINOIS) (E. AIR HIGHWAY)

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FILE NAME	USER NAME	REVISED	-T. RAMYACHER 09-08-94	REVISED	- R. BORO 09-14-04
		REVISED	- A. HOUSEH 11-07-95	REVISED	
		REVISED	- A. HOUSEH 10-12-96	REVISED	
		REVISED	-T. RAMYACHER 01-06-00	REVISED	

PLT SCALE	40.0000 / 1 IN
PLT DATE	5/14/2012

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

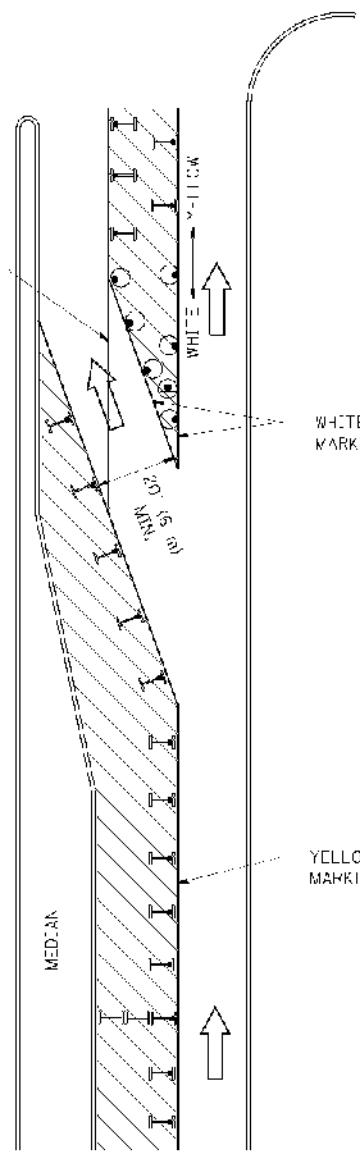
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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

TRAFFIC CONTROL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	5R-RS-3	KANE	30	27
TC-14		CONTRACT NO. 60N37		

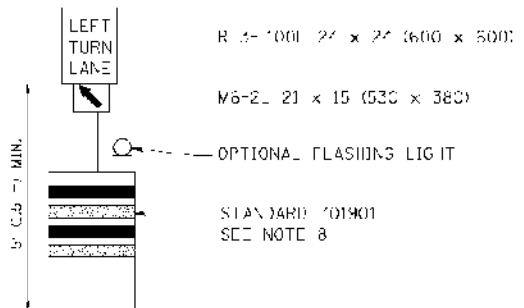
C-91-307-11

CONFLICTING PAVEMENT MARKING REMOVAL



WHITE REFLECTORIZED PAV'T MARKING TAPE

YELLOW REFLECTORIZED PAV'T MARKING TAPE









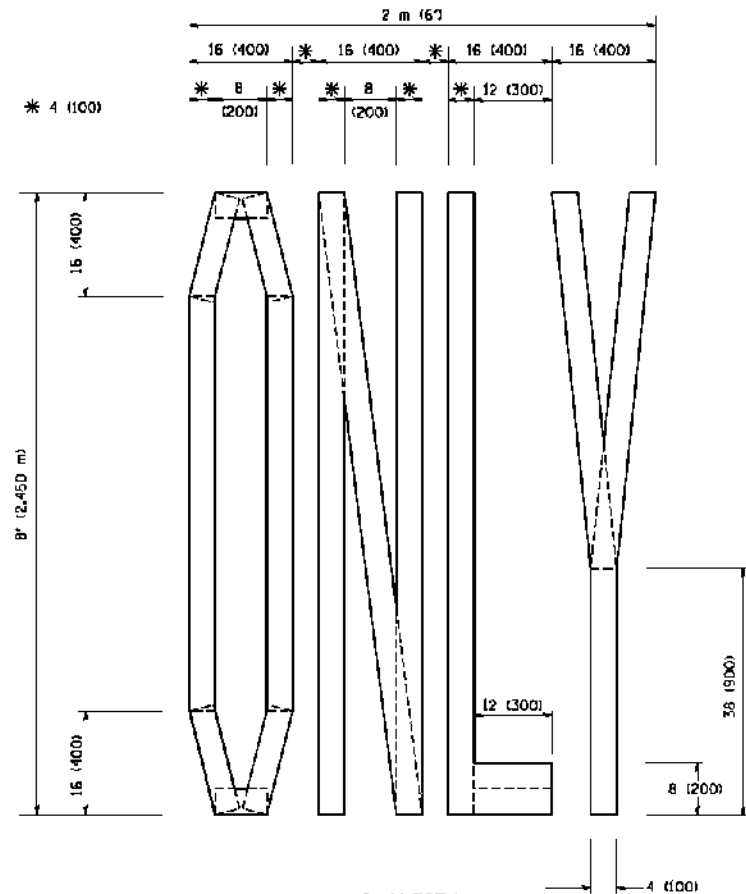
GENERAL NOTES

- 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 SAID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 M).
- STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- 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.
- THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" (3100 24 x 24 (600 x 600)) AND M6 2R 21 x 15 (530 x 380) SHALL BE USED.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- FORM CTR 725 IS REQUIRED.
- IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS MICH 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET MICH 350 REQUIREMENTS.
- TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

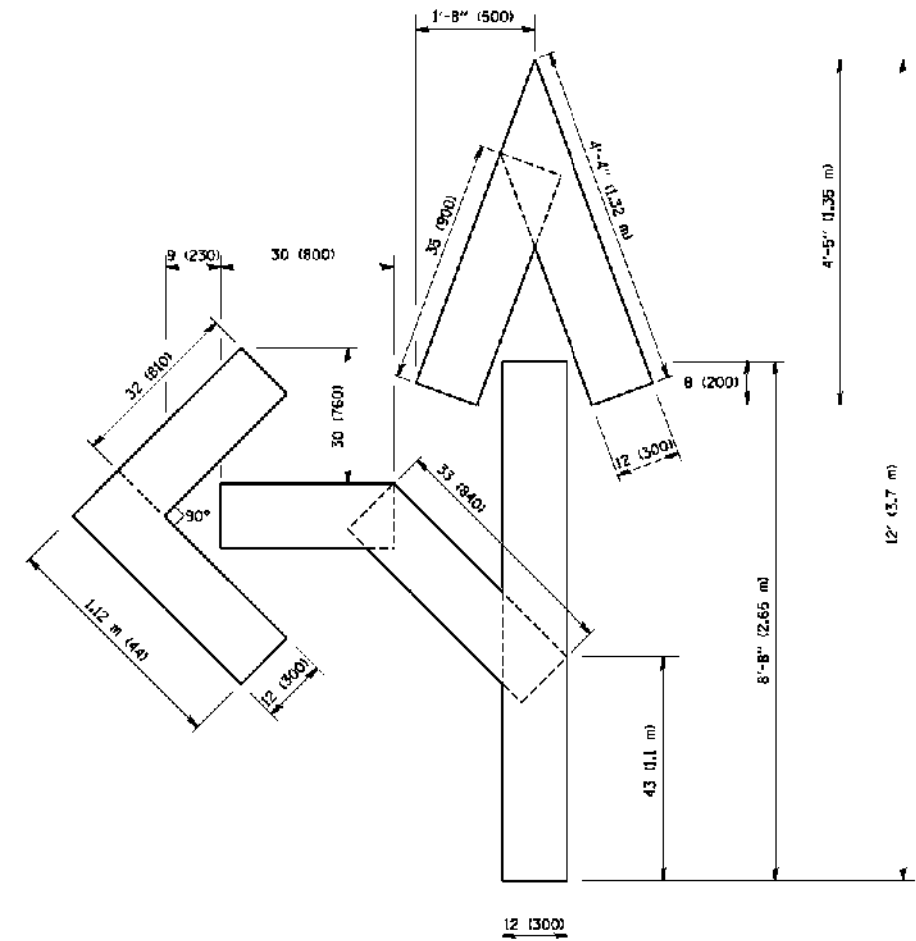
All dimensions are in inches (millimeters) unless otherwise shown.

LEGEND

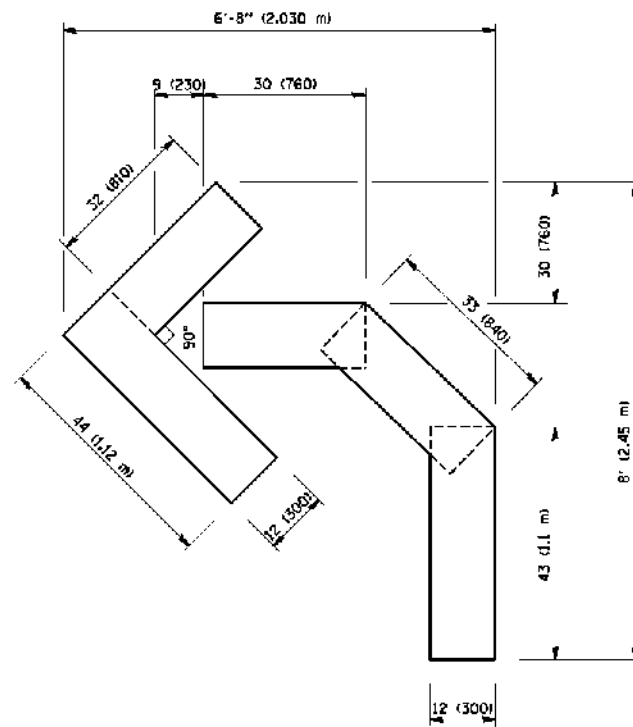
-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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

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PLCT SCALE = 50.0000 / 1 IN	FLCT DATE = 1/4/2008	DRAWN -	REVISED - T. RAMMACHER 01-04-97
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		DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00

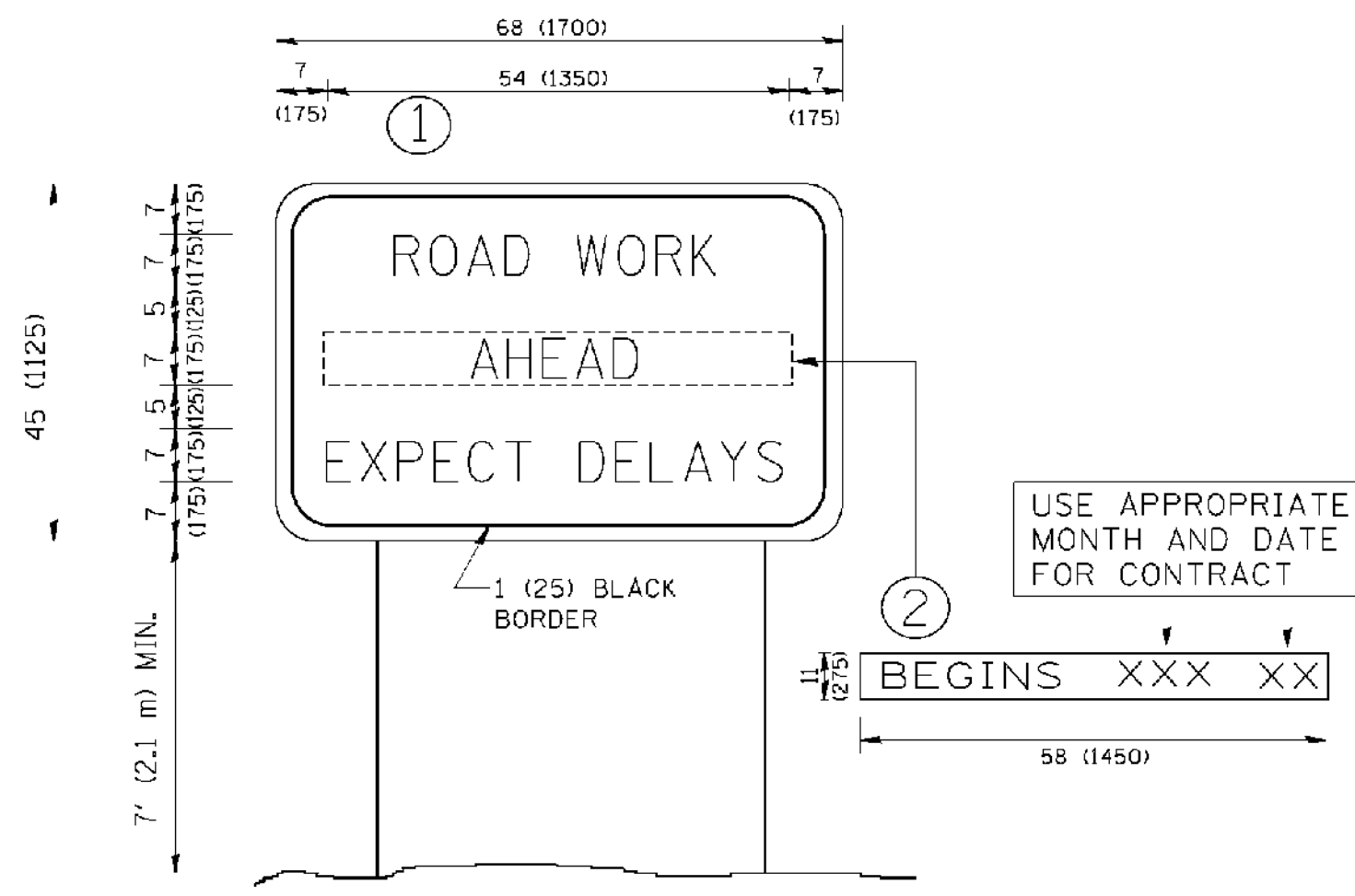
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-16		30	28
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO.	
FED. AID PROJECT				

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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 \\corp.baxwood.com\projects\CrystalLake\LDOT\00053-40-Design\W0-16_138_Dekab.to Pt 47\CADD-SURVEY\DRAWINGS\SIGNS\DISTRICT ONE DETAILS - TC-11ff.dgn
 ...:\projects\1007-BM_Default.plt



NOTES:

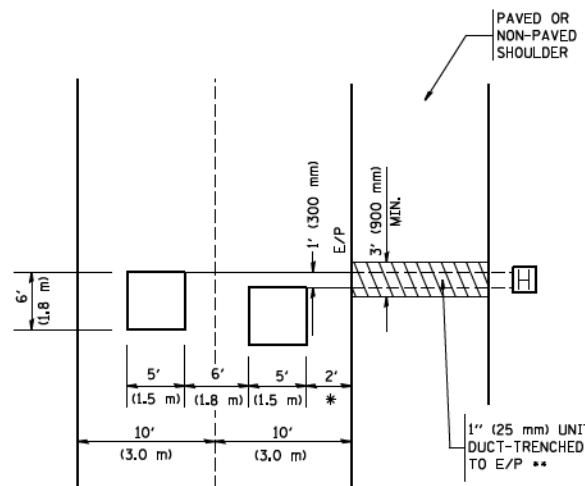
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
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 - goglenoot	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
W:\projects\1007-BM_Default.plt		DRAWN	REVISED - R. MIRS 12-11-97			567	5R-RS-3	KANE	30	29	
PLCT SCALE = 50.000' / IN.		CHECKED -	REVISED - T. RAMMACHER 02-02-99			TC-22 CONTRACT NO. 60N37					
PLCT DATE = 1/4/2008		DATE -	REVISED - C. JUCIUS 01-31-07			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
						SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	

LOOPS NEXT TO SHOULDERS

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



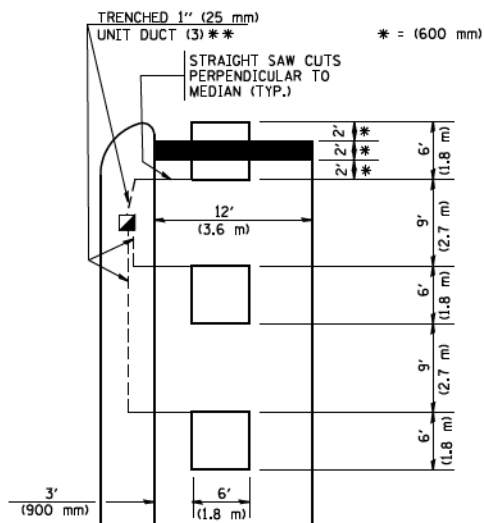
* = (600 mm)

** 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.



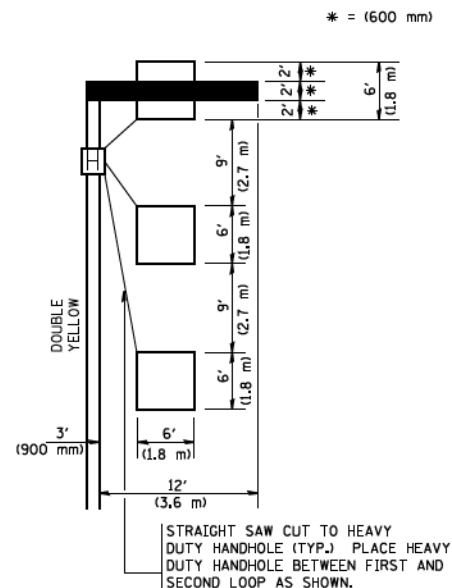
* = (600 mm)

** 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)



* = (600 mm)

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 THE 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.

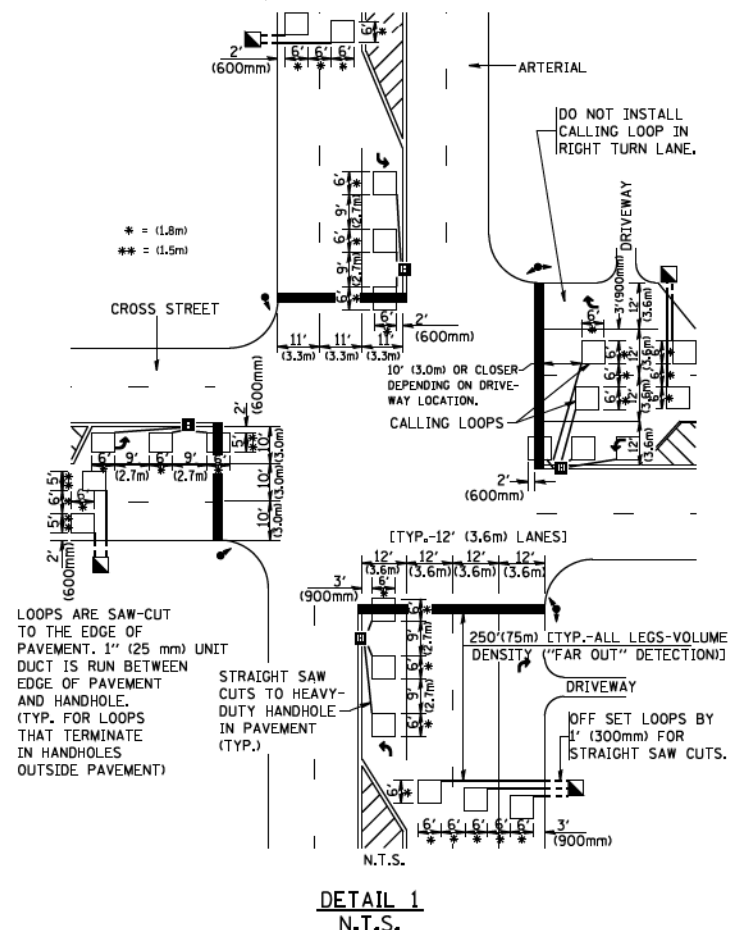
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

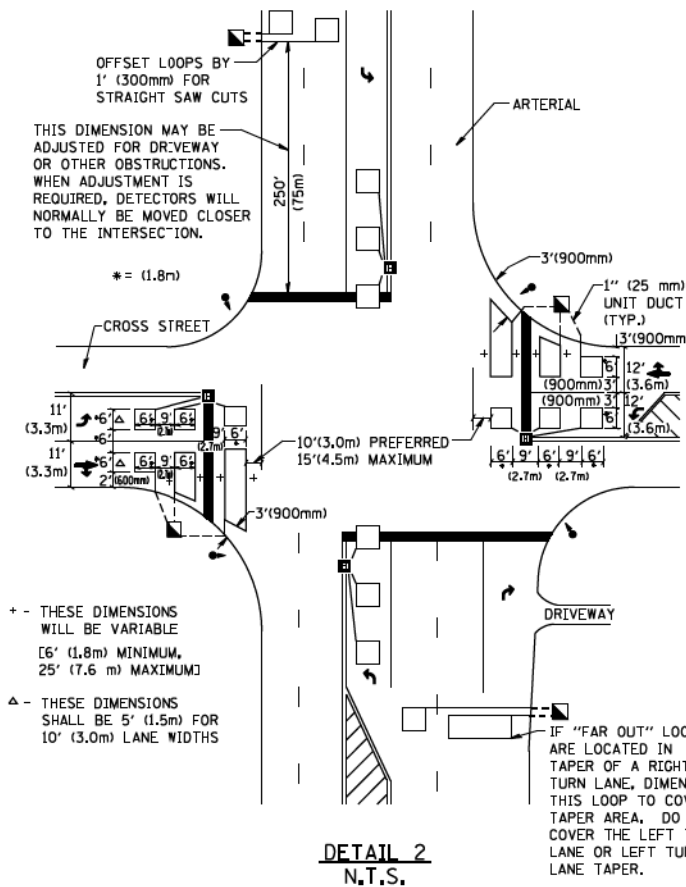
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

**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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 312.587.1100
 5/22/2008

FILE NAME =	USER NAME = geglennob	DESIGNED -	REVISED -
W:\diststd\22x34\ts07.dgn		DRAWN -	REVISED -
		CHECKED - R.K.F.	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DETAILS FOR ROADWAY RESURFACING		567	5R-RS-3	KANE	30	30
SCALE: NONE		TS-07		CONTRACT NO. 60N37		
SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

C-91-307-11	
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