

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	104-RS-11	McHENRY	29	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 60N39		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED HIGHWAY PLANS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

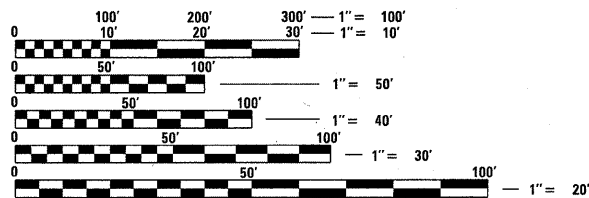
F.A.P. ROUTE 326: ILL 47
PRICE RD. TO 0.1 MI N. OF WARE RD.
SECTION: 104-RS-11
RESURFACING

THE PROJECT IS LOCATED IN THE TOWNSHIPS OF HEBRON AND GREENWOOD

McHENRY COUNTY
C-91-309-11

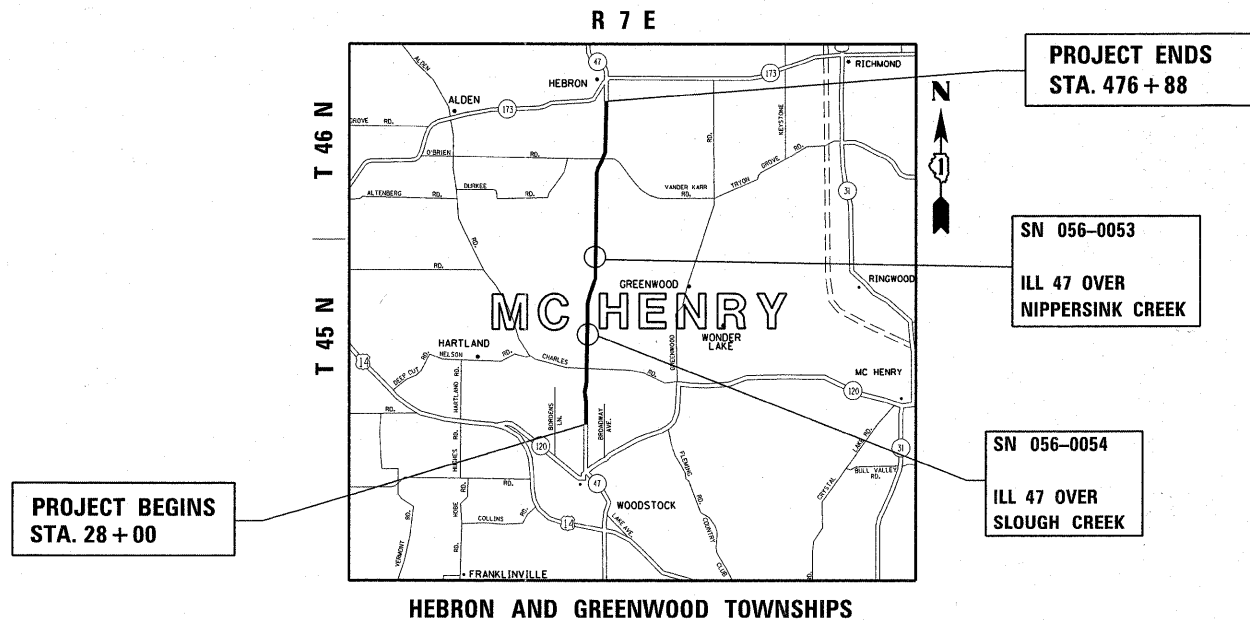
TRAFFIC DATA

IL 47: 2009 ADT = 5,400
POSTED SPEED LIMIT = 30 - 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.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811



PROJECT ENGINEER ROBERT BORO (847)705-4178
PROJECT MANAGER ISSAM RAYYAN

GROSS LENGTH OF IMPROVEMENT = 44,888 FEET = 8.50 MILES
NET LENGTH OF IMPROVEMENT = 44,529 FEET = 8.43 MILES

CONTRACT NO. 60N39

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED OCTOBER 20, 20 11

Diane M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 9 20 11
Scott E. Stitt, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

December 9 20 11
William R. Frey, Jr.
Interim DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
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2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES.
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5-20	ROADWAY AND PAVEMENT MARKING PLANS
21-22	BRIDGE PLAN DETAILS
23	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
24	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
25	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)
26	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (TC-11)
27	DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13)
28	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)
29	ARTERIAL ROAD INFORMATION SIGN (TC-22)

STATE STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
442201-03	CLASS C AND D PATCHES
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATION 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
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-04	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-02	TRAFFIC CONTROL DEVICES

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE TOWNSHIPS OF HEBRON AND GREENWOOD.

THE CONTRACTOR WILL NOT BE ABLE TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION FROM THE DEPARTMENT.

ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT

THE ENGINEER SHALL CONTACT DEBBIE HANLON, AREA TRAFFIC FIELD ENGINEER, AT (847) 715-8414 A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.

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 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H)

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 FOR ARTERIALS A MINIMUM OF 72 HOURS IN ADVANCE PRIOR TO BEGINNING WORK.

THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OF BASE ON WHICH THE HMA MIXTURE IS PLACED.

BEFORE BEGINNING ANY 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.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

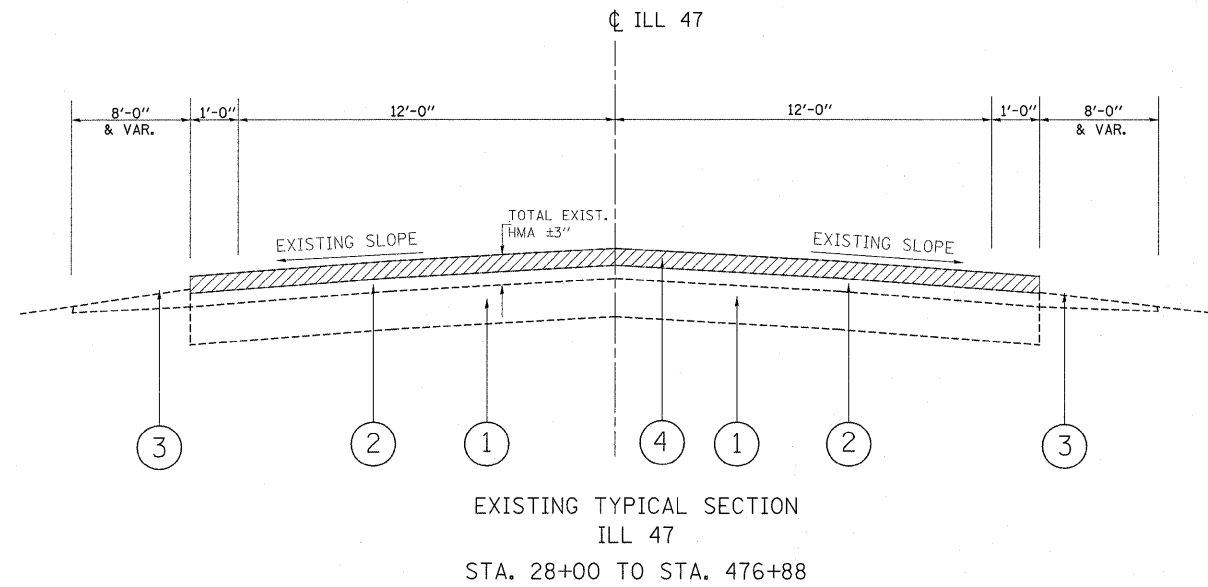
BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III AND ITS REMOVAL SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKING AND WORK ZONE PAVEMENT MARKING REMOVAL RESPECTIVELY.

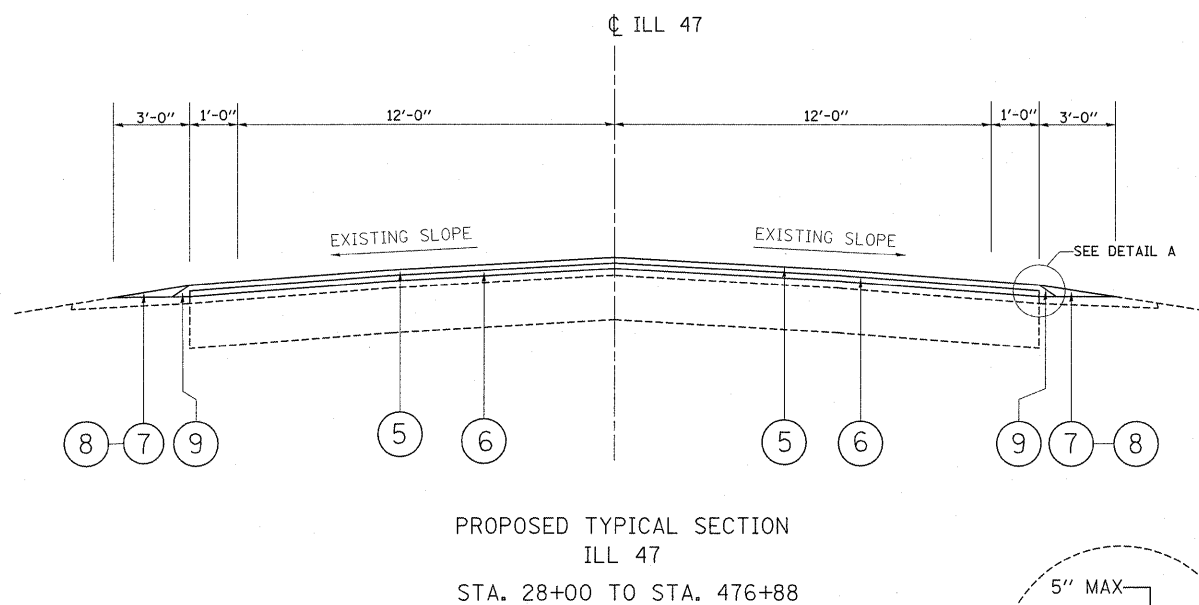
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	PLOT DATE = 10/20/2011	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			

Rev.

SUMMARY OF QUANTITIES			URBAN CONSTRUCTION TYPE CODE: 0005					SUMMARY OF QUANTITIES			URBAN CONSTRUCTION TYPE CODE: 0005								
CODE NO	ITEM	UNIT	100% STATE TOTAL QUANTITIES	0005	0014					CODE NO	ITEM	UNIT	100% STATE TOTAL QUANTITIES	0005					
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	106	106						70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	1402	1402					
40600300	AGGREGATE (PRIME COAT)	TON	528	528						* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	36.4	36.4					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	198	198						* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	131686	131686					
40600895	CONSTRUCTING TEST STRIP	EACH	2	2						* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	112	112					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	228	228						* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	56	56					
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	620	620						* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	35	35					
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	11211	11211						* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	110	110					
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	132148	132148						* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1110	1110					
44002212	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3"	SO YD	3690	3690						* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	852	852					
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	1322	1322						78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	778	778					
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	950	950						X2020110	GRADING AND SHAPING SHOULDERS	UNIT	889	889					
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	680	680						40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	5451	5451					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1806	1806						Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	102.8	102.8					
58700300	CONCRETE SEALER	SO FT	7160		7160														
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6															
67100100	MOBILIZATION	L SUM	1	1															
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1															
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1															
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1															
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1															
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1															
70300100	SHORT TERM PAVEMENT MARKING	FOOT	12582	12582															
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	36.4	36.4															
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	131686	131686															
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	112	112															
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	56	56															
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	35	35															
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	110	110															



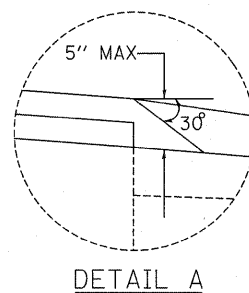
- LEGEND**
- ① EXISTING P.C.C. PAVEMENT, ±10"
 - ② EXISTING HOT-MIX ASPHALT AFTER MILLING, ±3/4"
 - ③ EXISTING AGGREGATE SHOULDER
 - ④ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 - ⑤ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
 - ⑥ PROPOSED POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 - ⑦ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
 - ⑧ PROPOSED GRADING AND SHAPING SHOULDER
 - ⑨ PROPOSED SAFETY EDGE (WHEN HMA SHOULDER < 3 FT)

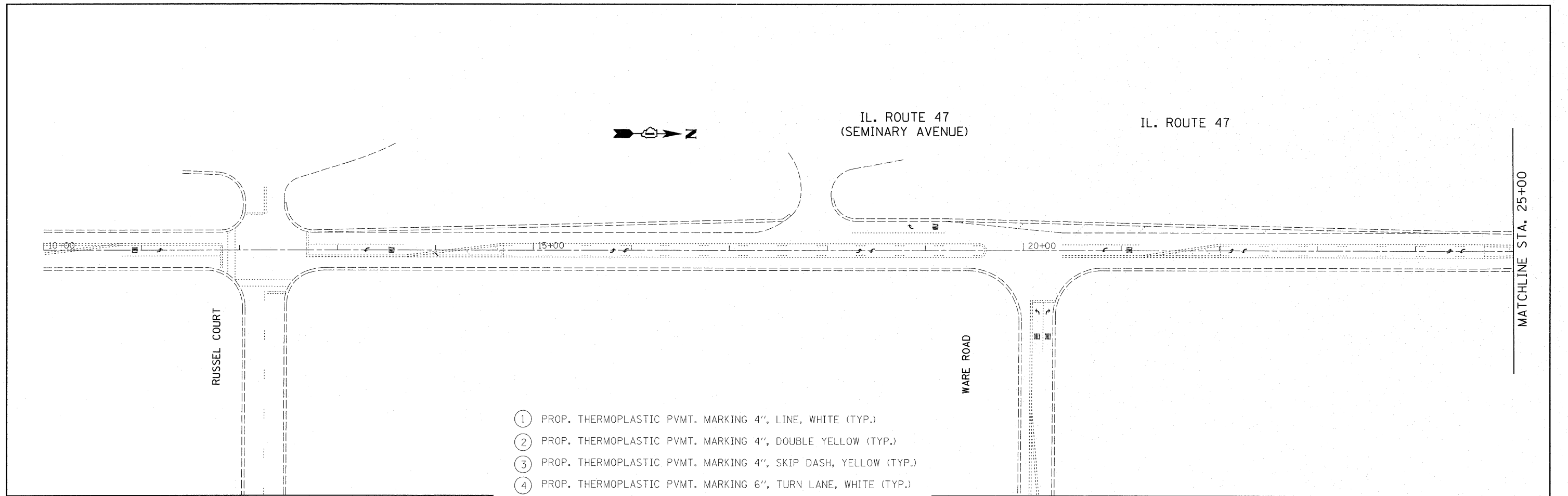


**THE CONTRACTOR SHALL PATCH FIRST
BEFORE MILLING**

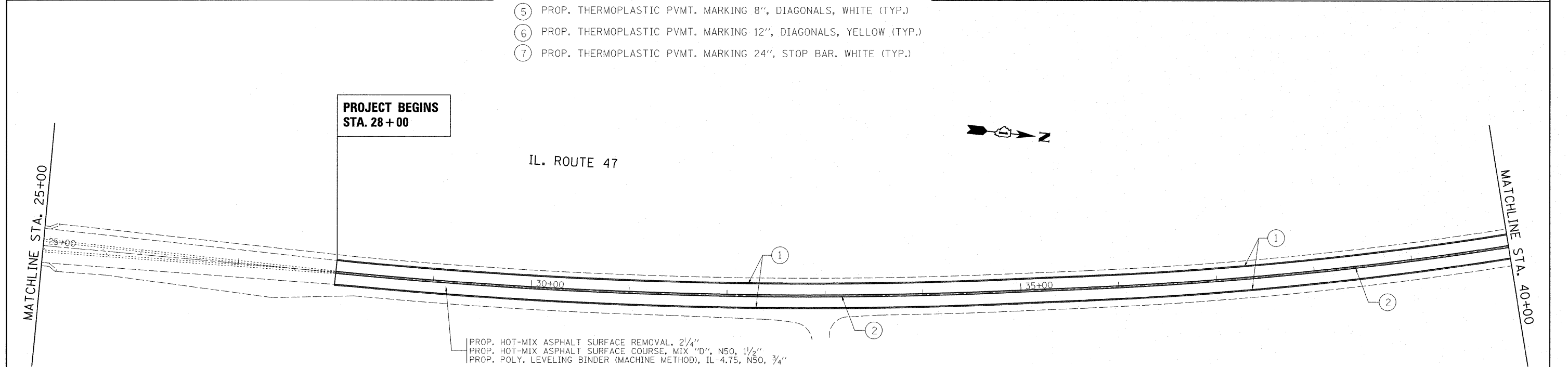
HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS	NODES
RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5 mm)	4% @ 50 GYR	
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	4% @ 50 GYR.	
PATCHING		
CLASS D PATCHES, (HMA BINDER IL-19 mm)	4% @ 70 GYR	
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR	

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ.YD./IN
- 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 "PERCENT OF RAP" SEE SPECIAL PROVISIONS.





- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", SKIP DASH, YELLOW (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 6", TURN LANE, WHITE (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 8", DIAGONALS, WHITE (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)



① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2/4"
 ② PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

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USER NAME = midjje
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 PLOT DATE = 10/20/2011

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 47 (WARE ROAD TO PRICE ROAD)
PAVEMENT MARKING SHEET

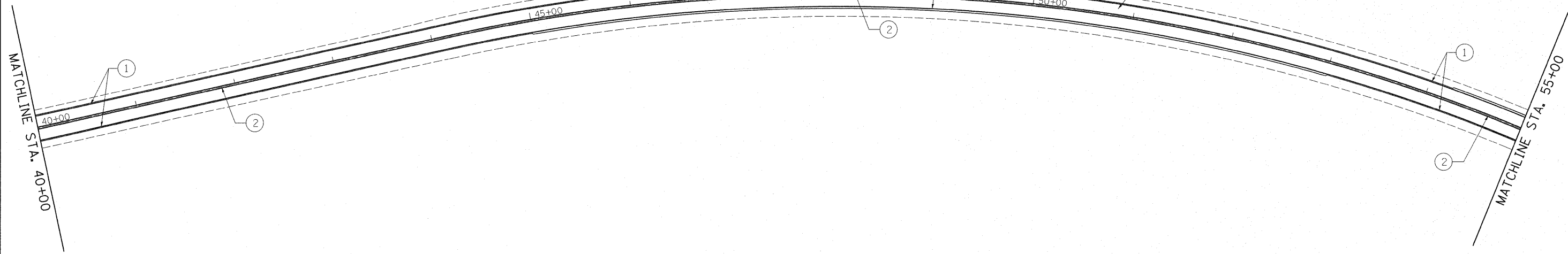
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	104-RS-11	McHENRY	29	5
CONTRACT NO. 60N39				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 47



PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

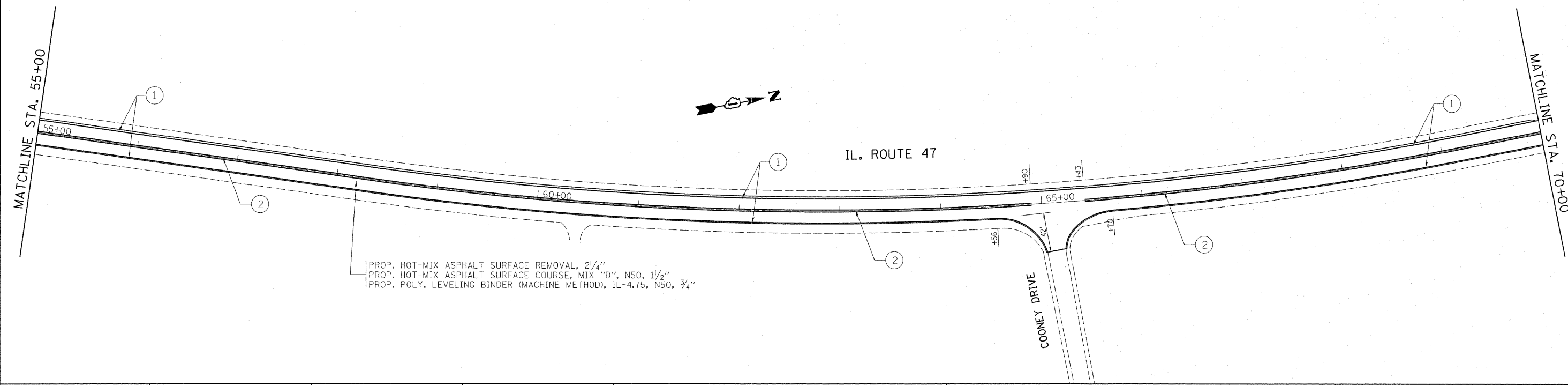


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- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)

IL. ROUTE 47



PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"



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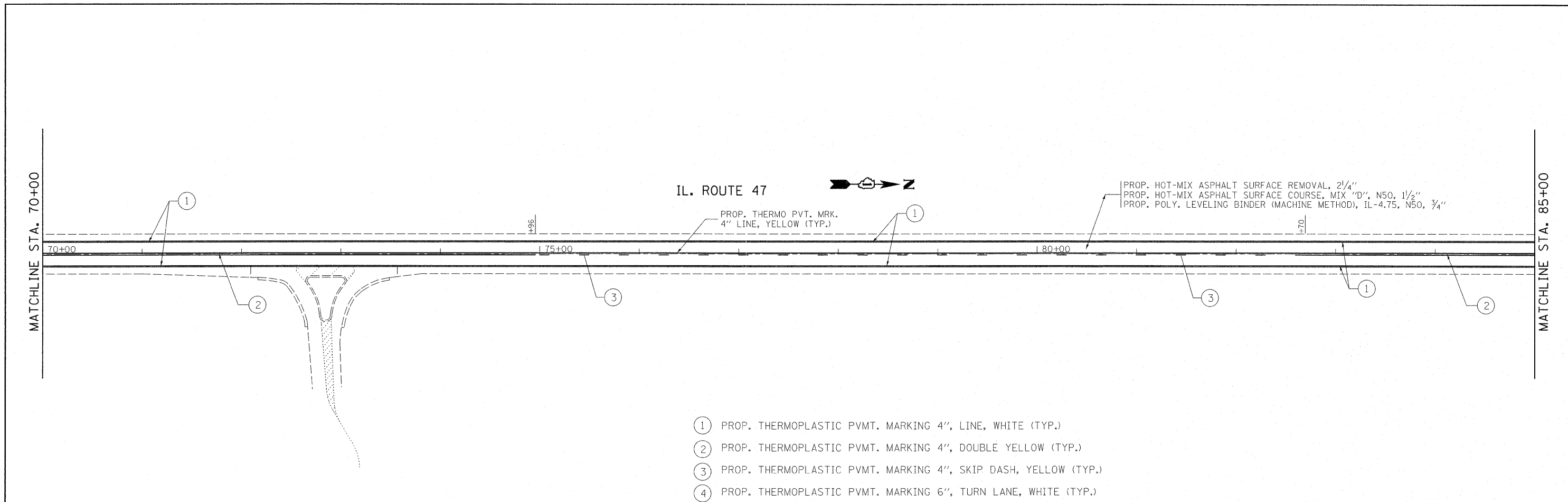
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL. ROUTE 47 (WARE ROAD TO PRICE ROAD)
 PAVEMENT MARKING SHEET

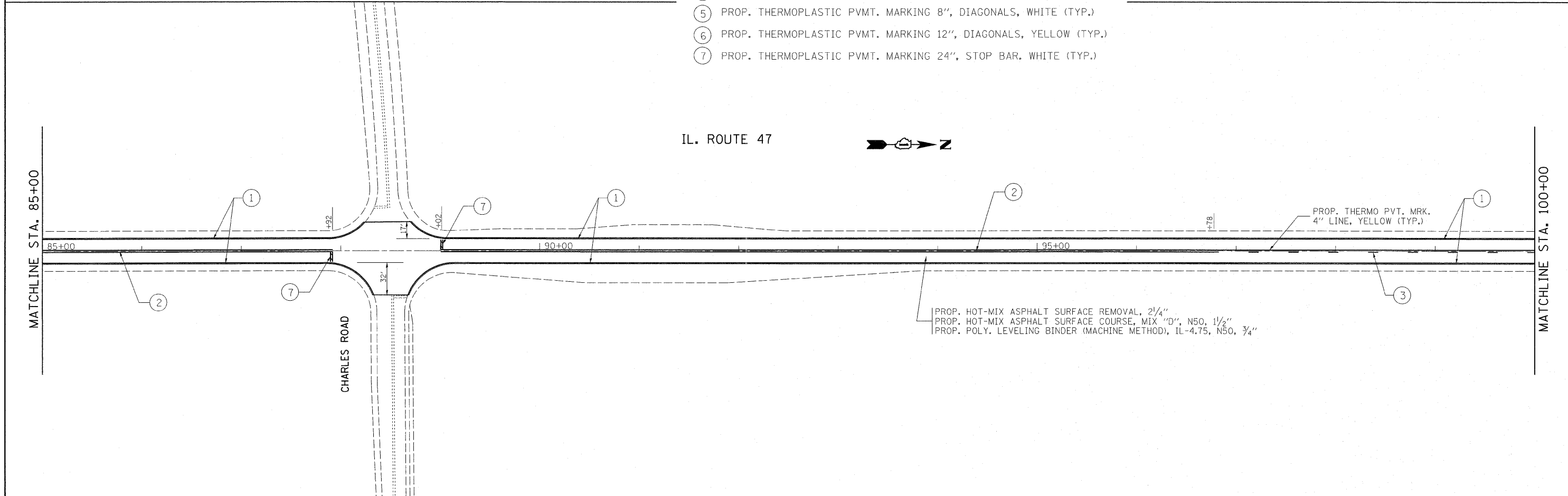
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CONTRACT NO. 60N39				

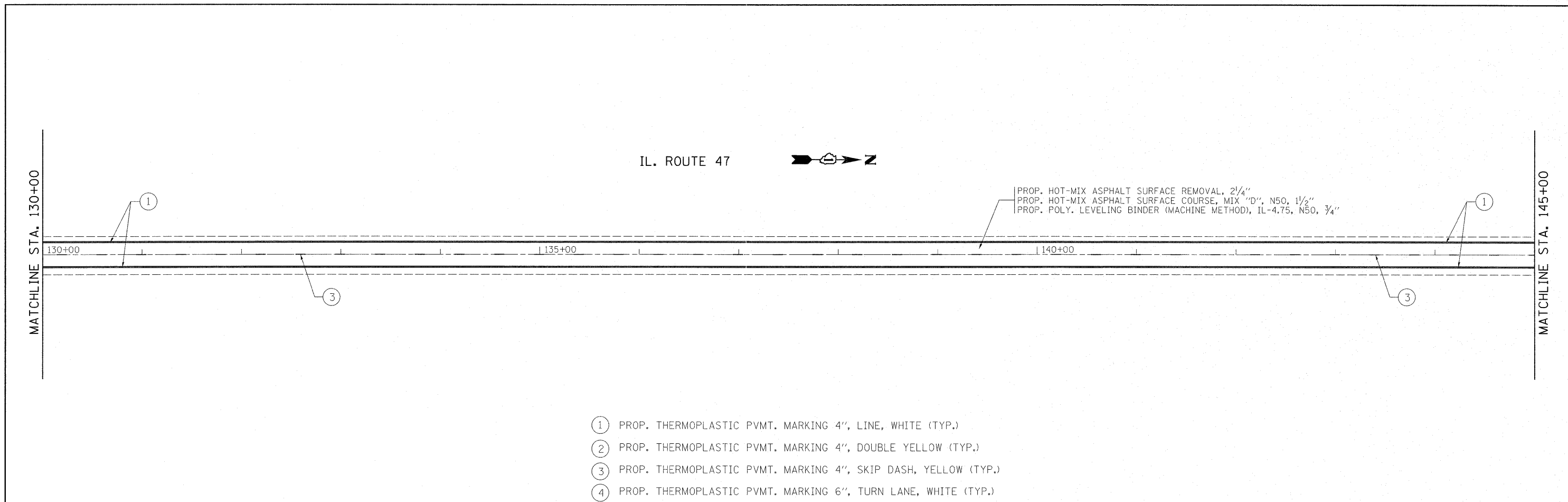
ILLINOIS FED. AID PROJECT



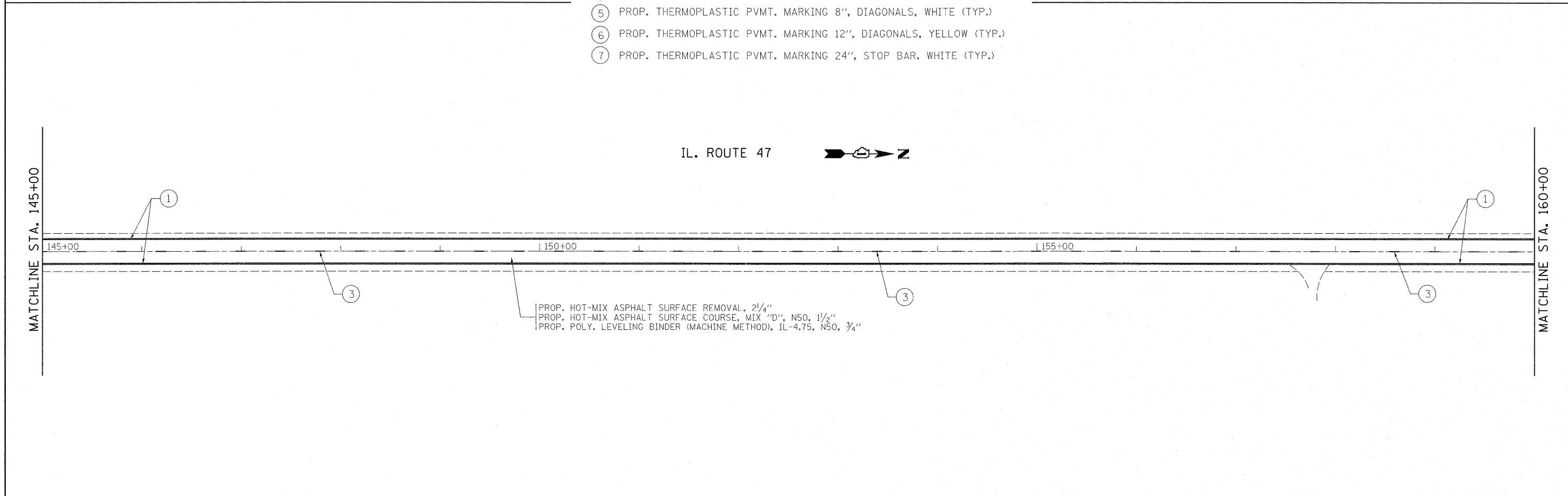
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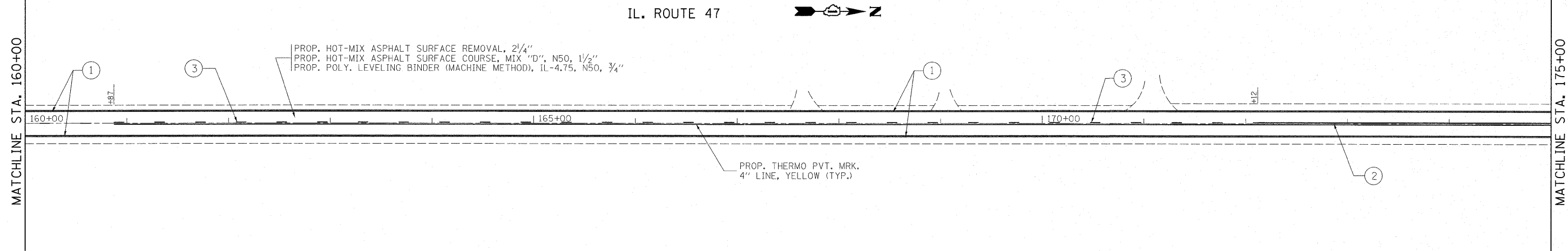
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	PLOT DATE = 10/20/2011	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							



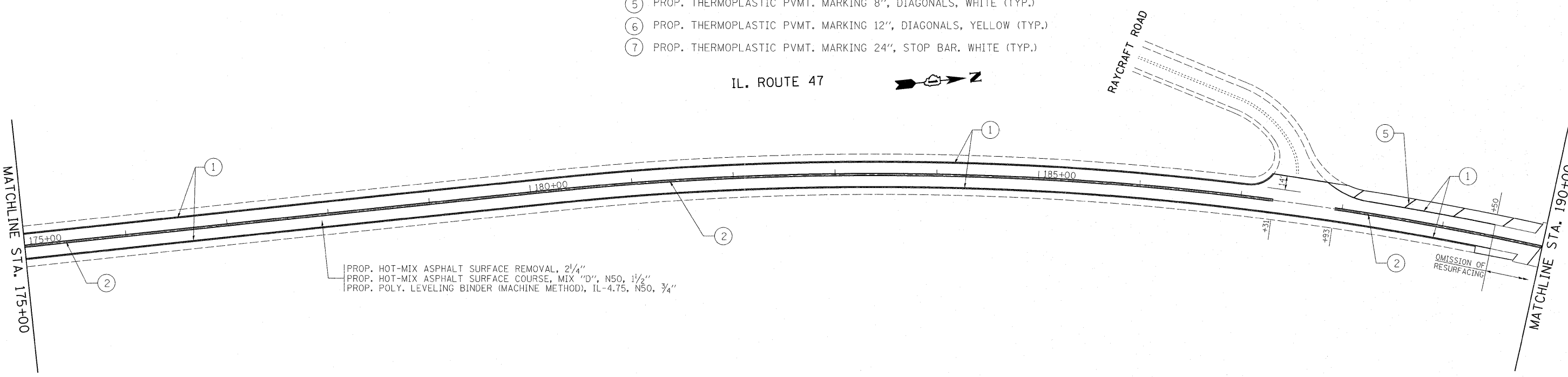
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PLOT SCALE = 50,0000' / in.		CHECKED -	REVISED -	SCALE: 1"= 50'		SHEET NO. OF SHEETS		STA. 130+00.00 TO STA. 160+00.00		
PLOT DATE = 10/20/2011		DATE -	REVISED -	ILLINOIS FED. AID PROJECT						
								CONTRACT NO. 60N39		



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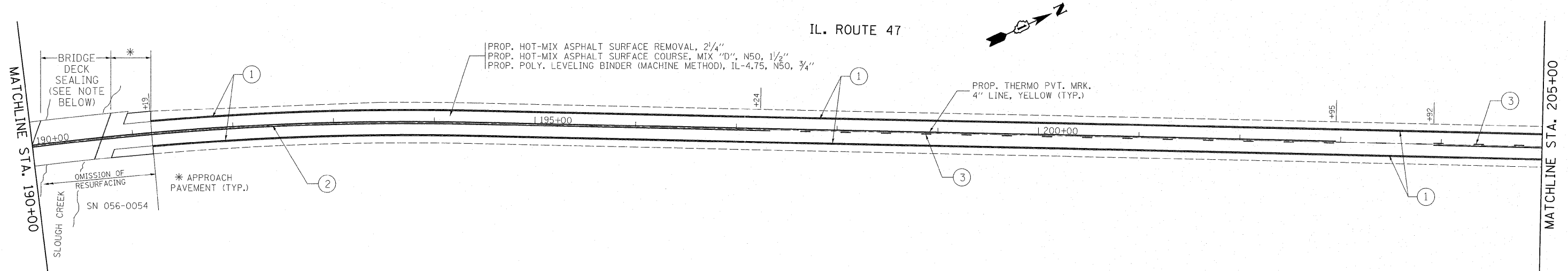
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL. ROUTE 47 (WARE ROAD TO PRICE ROAD)
PAVEMENT MARKING SHEET**

SCALE: 1" = 50' SHEET NO. OF SHEETS STA. 160+00.00 TO STA. 190+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	104-RS-11	McHENRY	29	10
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ILLINOIS FED. AID PROJECT



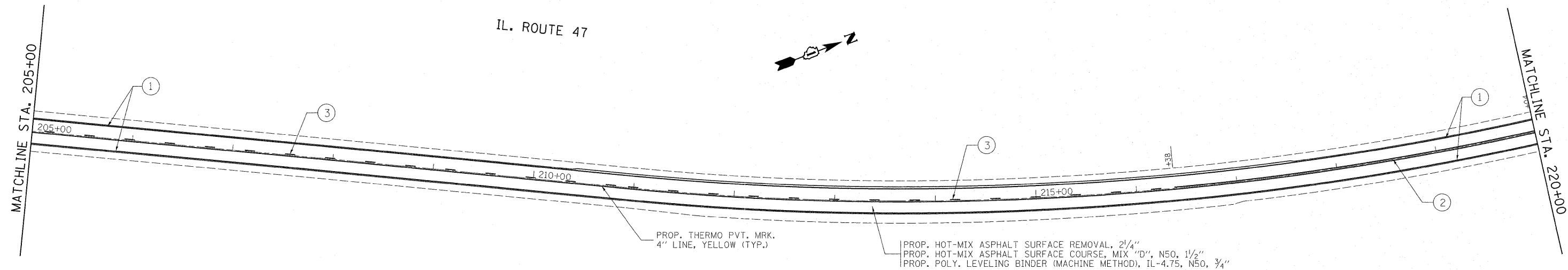
NOTE: THE CONTRACT SHALL SEAL THE EXISTING DECK, SIDEWALK AND PARAPET WITH CONCRETE SEALER

THE CONTRACTOR SHALL CLEAN THE DECK PRIOR TO THE APPLICATION OF THE CONCRETE SEALER TO THE SATISFACTION OF THE ENGINEER.

COST OF CLEANING IS INCLUDED IN THE COST OF CONCRETE SEALER.

SEE BRIDGE PLAN SHEET #21

- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", SKIP DASH, YELLOW (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 6", TURN LANE, WHITE (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 8", DIAGONALS, WHITE (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)



FILE NAME =
0130911-sht-pln.dgn

USER NAME = midyja
PLOT SCALE = 50.0000' / in.
PLOT DATE = 10/20/2011

DESIGNED -
DRAWN -
CHECKED -
DATE -

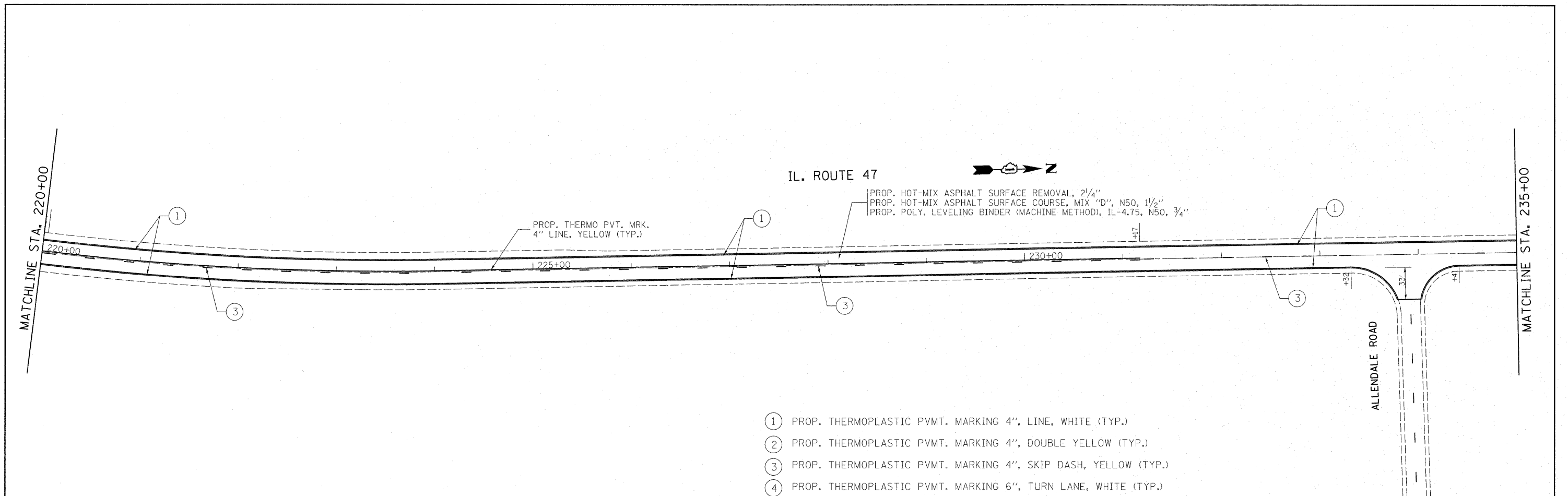
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

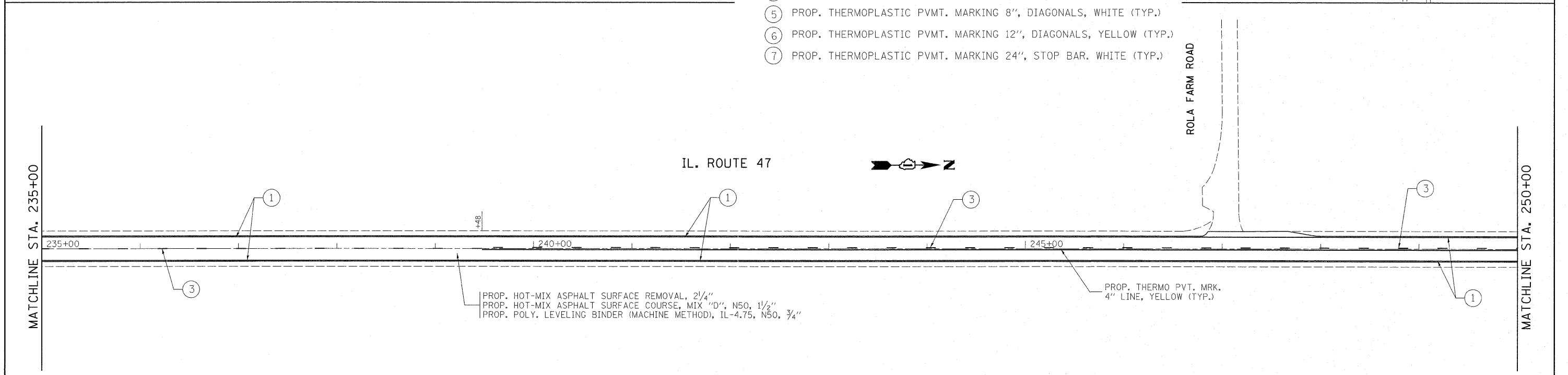
**IL. ROUTE 47 (WARE ROAD TO PRICE ROAD)
PAVEMENT MARKING SHEET**

SCALE: 1" = 50' SHEET NO. OF SHEETS STA. 190+00.00 TO STA. 220+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	104-RS-11	McHENRY	29	11
CONTRACT NO. 60N39				
ILLINOIS FED. AID PROJECT				



- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", SKIP DASH, YELLOW (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 6", TURN LANE, WHITE (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 8", DIAGONALS, WHITE (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)



FILE NAME =
D130911-sht-plan.dgn

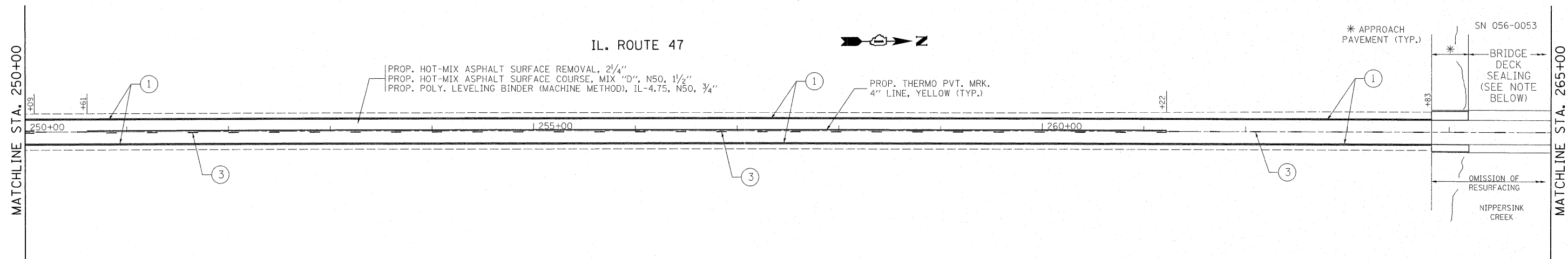
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PLOT SCALE = 50.0000' / 1" =	DRAWN -	REVISED -
PLOT DATE = 10/20/2011	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL. ROUTE 47 (WARE ROAD TO PRICE ROAD)
PAVEMENT MARKING SHEET**

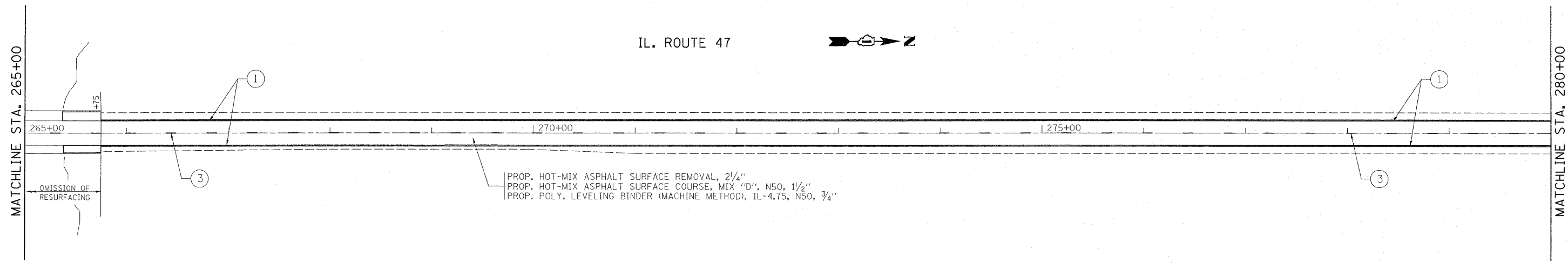
SCALE: 1" = 50' SHEET NO. OF SHEETS STA. 220+00.00 TO STA. 250+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	104-R5-11	McHENRY	29	12
CONTRACT NO. 60N39				
ILLINOIS FED. AID PROJECT				

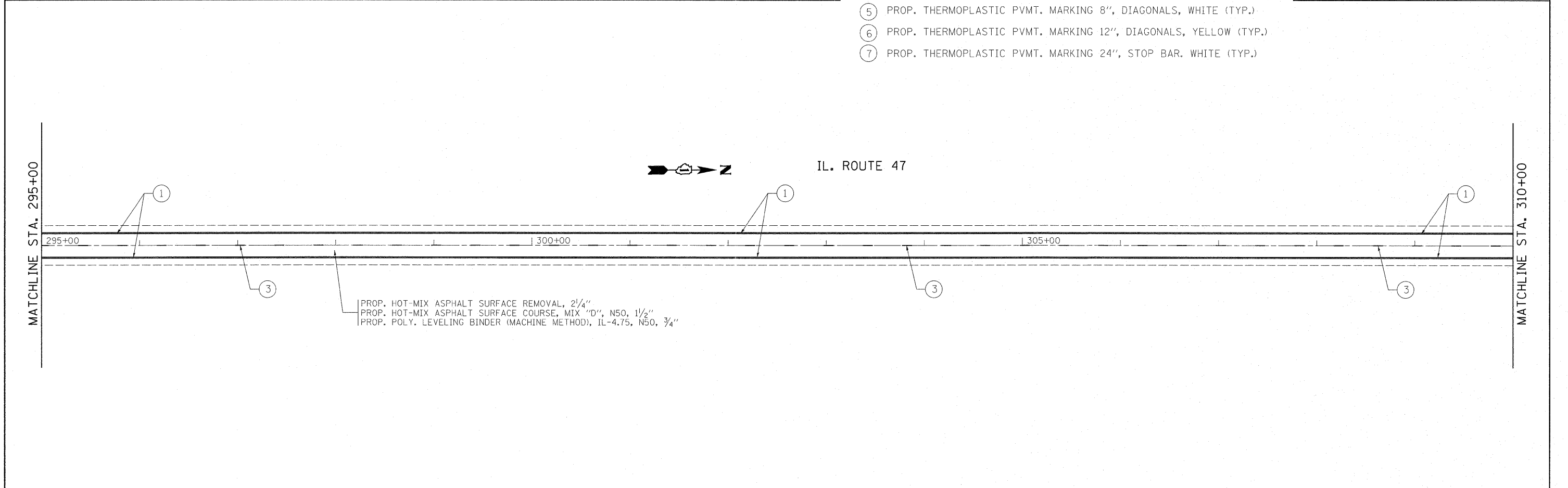
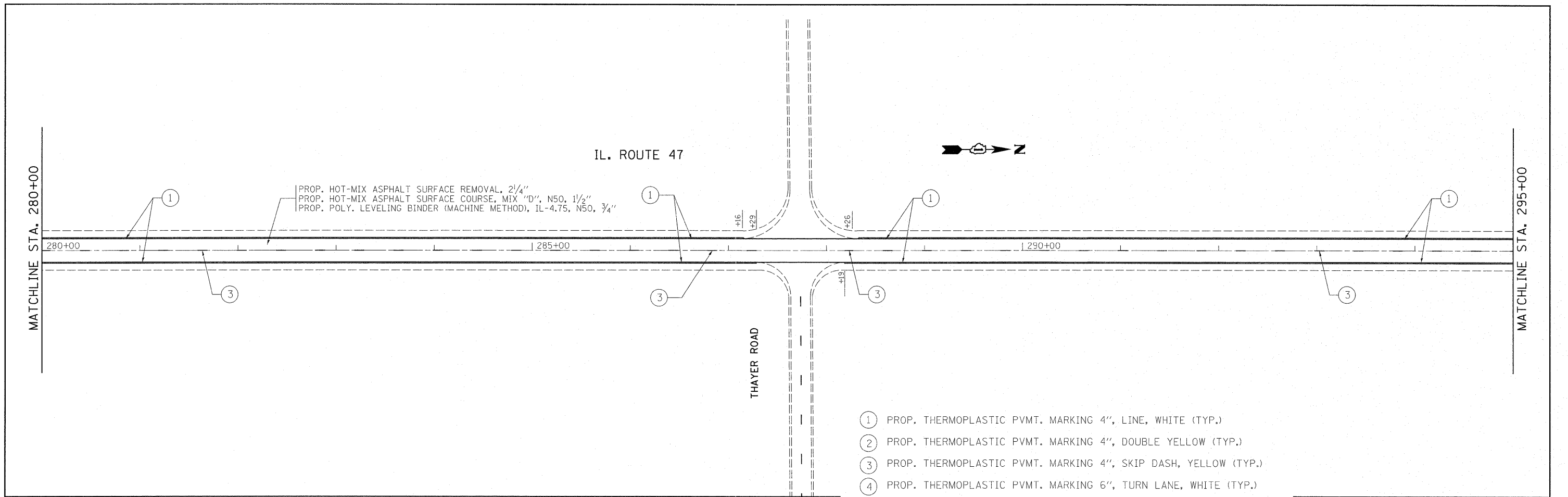


NOTE: THE CONTRACT SHALL SEAL THE EXISTING DECK, SIDEWALK AND PARAPET WITH CONCRETE SEALER
 THE CONTRACTOR SHALL CLEAN THE DECK PRIOR TO THE APPLICATION OF THE CONCRETE SEALER TO THE SATISFACTION OF THE ENGINEER.
 COST OF CLEANING IS INCLUDED IN THE COST OF CONCRETE SEALER.
 SEE BRIDGE PLAN SHEET #22

- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", SKIP DASH, YELLOW (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 6", TURN LANE, WHITE (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 8", DIAGONALS, WHITE (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)

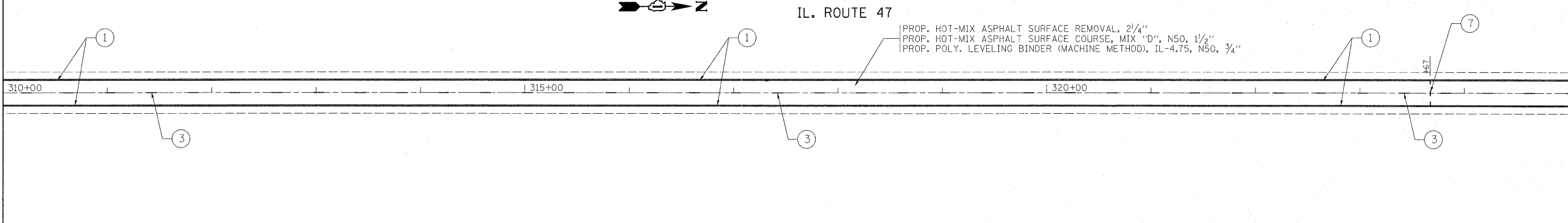


FILE NAME = D:\30911-sht-plan.dgn	USER NAME = midyjo	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 47 (WARE ROAD TO PRICE ROAD) PAVEMENT MARKING SHEET		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -				326	104-RS-11	McHENRY	29	13
	PLOT DATE = 10/20/2011	CHECKED -	REVISED -				CONTRACT NO. 60N39				
				SCALE: 1" = 50'		SHEET NO. OF SHEETS		STA. 250+00.00 TO STA. 280+00.00		ILLINOIS FED. AID PROJECT	



FILE NAME = D138911-sht-plan.dgn	USER NAME = midyjo	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 47 (WARE ROAD TO PRICE ROAD) PAVEMENT MARKING SHEET	F.A.P. RTE. 326	SECTION 104-RS-11	COUNTY McHENRY	TOTAL SHEETS 29	SHEET NO. 14
PLOT SCALE = 50.0000' / in.		CHECKED -	REVISED -	SCALE: 1" = 50'		SHEET NO. OF SHEETS		STA. 280+00.00 TO STA. 310+00.00		
PLOT DATE = 10/20/2011		DATE -	REVISED -	ILLINOIS FED. AID PROJECT						
CONTRACT NO. 60N39										

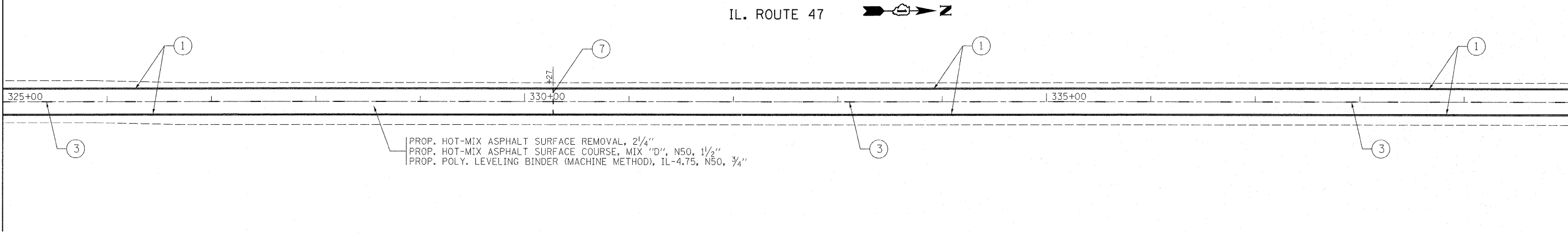
MATCHLINE STA. 310+00



MATCHLINE STA. 325+00

- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", SKIP DASH, YELLOW (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 6", TURN LANE, WHITE (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 8", DIAGONALS, WHITE (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)

MATCHLINE STA. 325+00



MATCHLINE STA. 340+00

FILE NAME =
D138911-shtr-plan.dgn

USER NAME = midyja
PLOT SCALE = 50.0000' / in.
PLOT DATE = 10/20/2011

DESIGNED -
DRAWN -
CHECKED -
DATE -

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REVISED -

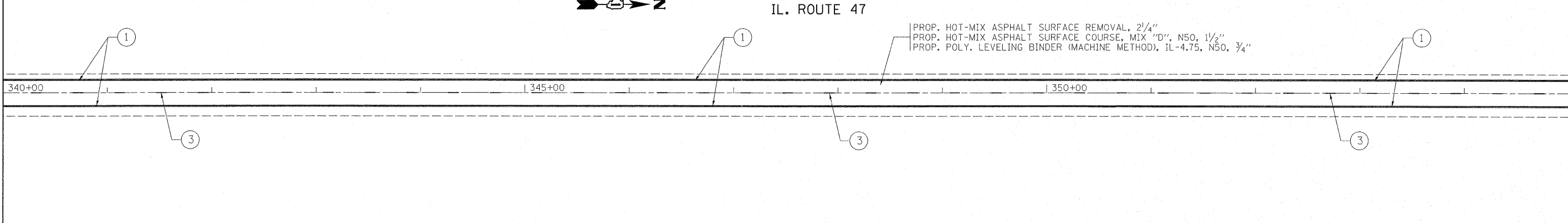
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 47 (WARE ROAD TO PRICE ROAD)
PAVEMENT MARKING SHEET

SCALE: 1"= 50' SHEET NO. OF SHEETS STA. 310+00.00 TO STA. 340+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	104-RS-11	McHENRY	29	15
CONTRACT NO. 60N39				
ILLINOIS FED. AID PROJECT				

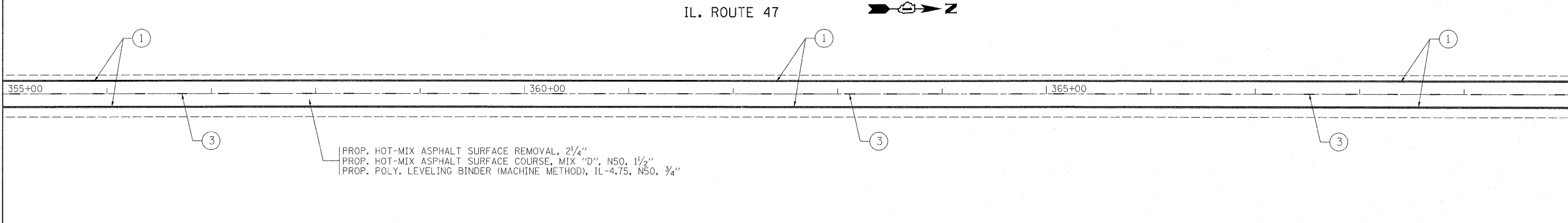
MATCHLINE STA. 340+00



MATCHLINE STA. 355+00

- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", SKIP DASH, YELLOW (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 6", TURN LANE, WHITE (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 8", DIAGONALS, WHITE (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)

MATCHLINE STA. 355+00



MATCHLINE STA. 370+00

FILE NAME =
D:\38911-sht-plen.dgn

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PLOT SCALE = 50.0000' / 1" =
PLOT DATE = 10/20/2011

DESIGNED -
DRAWN -
CHECKED -
DATE -

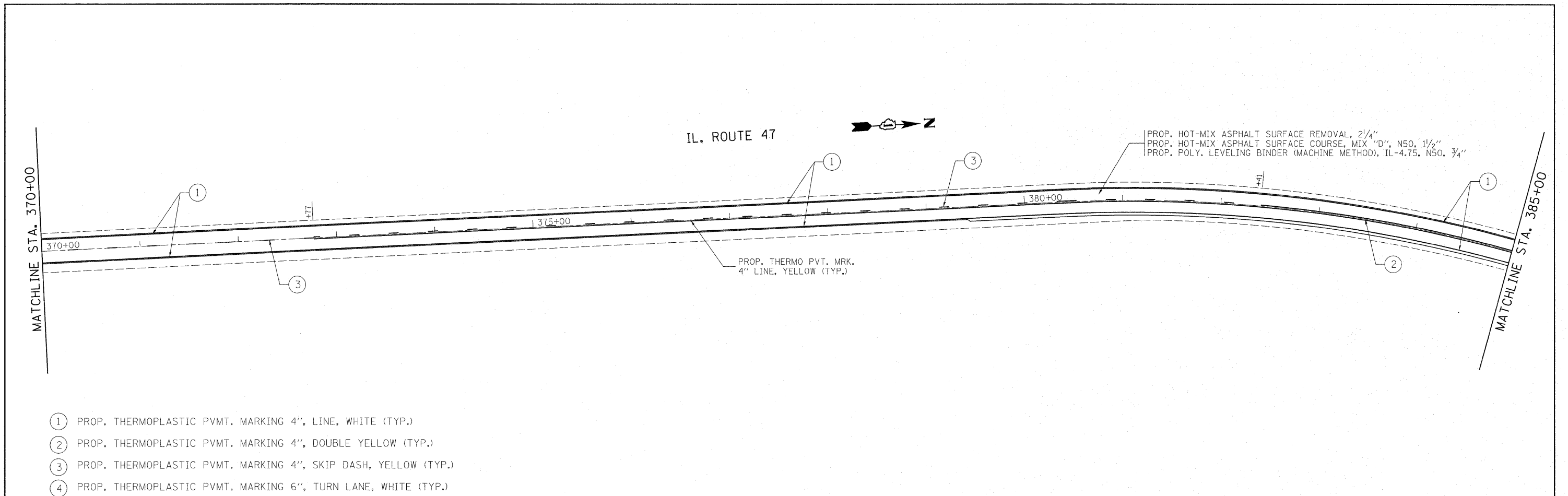
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

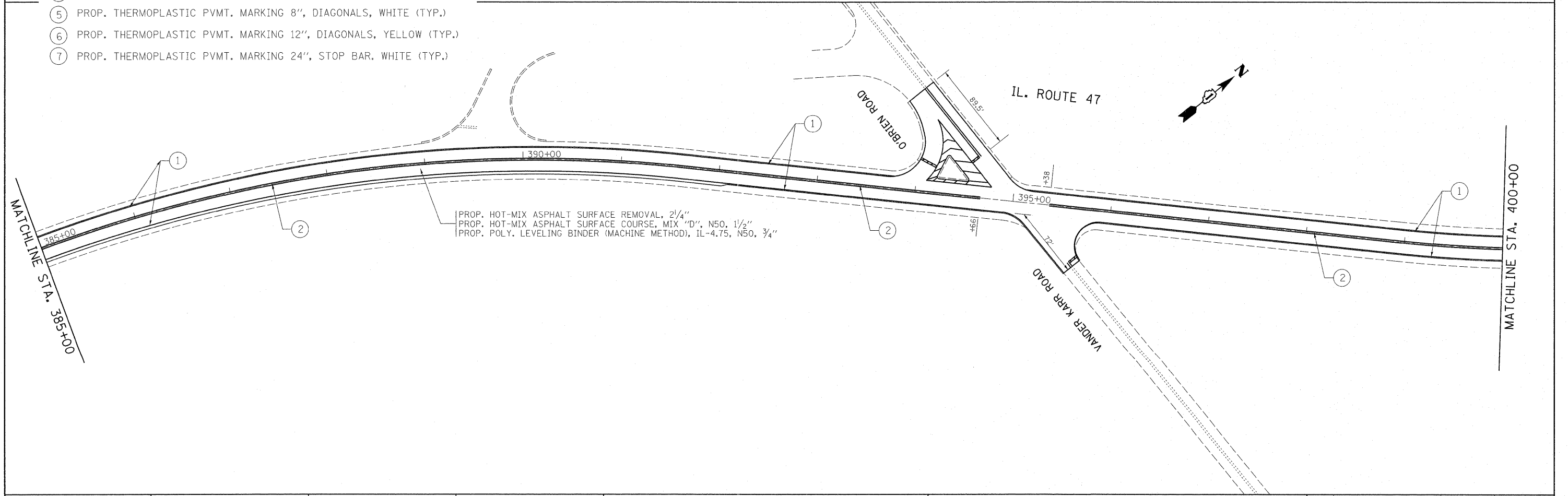
IL. ROUTE 47 (WARE ROAD TO PRICE ROAD)
PAVEMENT MARKING SHEET

SCALE: 1"= 50' SHEET NO. OF SHEETS STA. 340+00.00 TO STA. 370+00.00

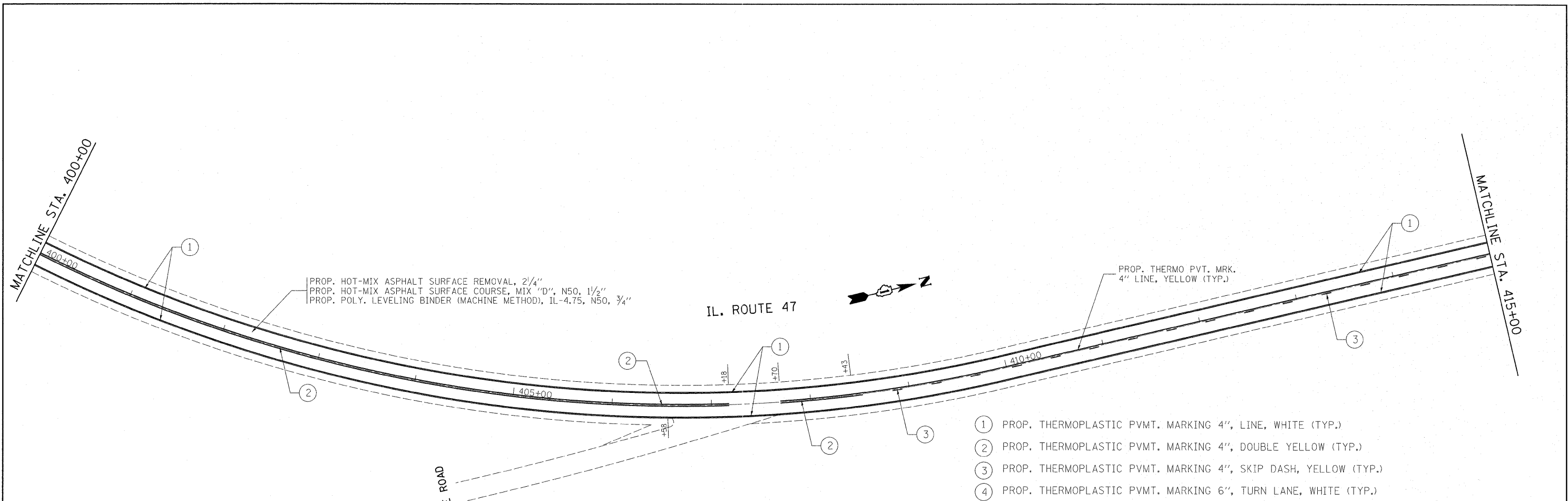
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	104-RS-11	McHENRY	29	16
CONTRACT NO. 60N39				
ILLINOIS FED. AID PROJECT				



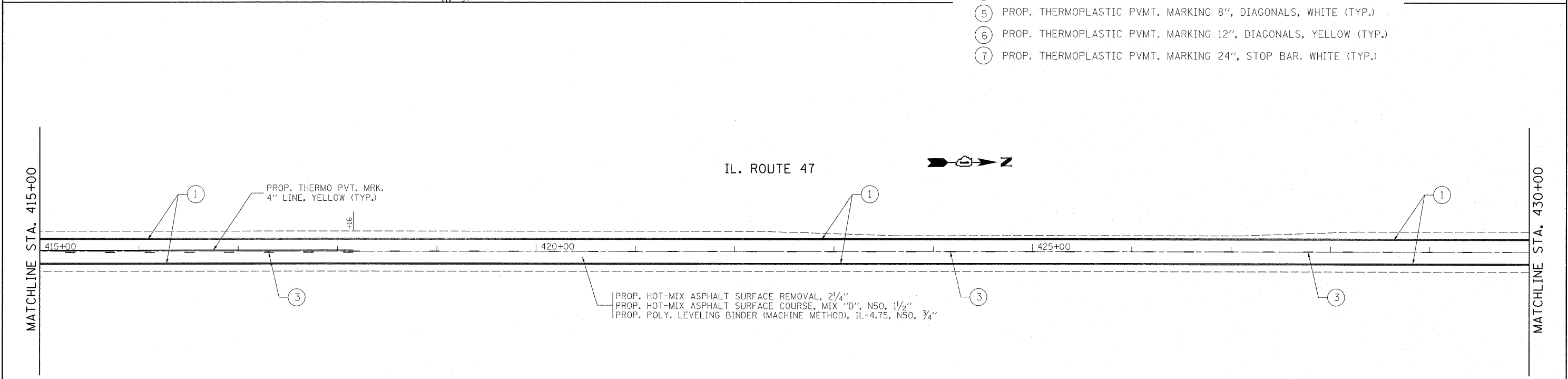
- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", SKIP DASH, YELLOW (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 6", TURN LANE, WHITE (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 8", DIAGONALS, WHITE (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)



FILE NAME = 0130911-sht-plan.dgn	USER NAME = mdyje	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 47 (WARE ROAD TO PRICE ROAD) PAVEMENT MARKING SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / 1" =	DRAWN -	REVISED -					326	104-RS-11	McHENRY	29	17
PLOT DATE = 10/20/2011	CHECKED -	REVISED -	SCALE: 1" = 50'	SHEET NO. OF SHEETS STA. 370+00.00 TO STA. 400+00.00			CONTRACT NO. 60N39 ILLINOIS FED. AID PROJECT					
	DATE -	REVISED -										



- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", SKIP DASH, YELLOW (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 6", TURN LANE, WHITE (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 8", DIAGONALS, WHITE (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)



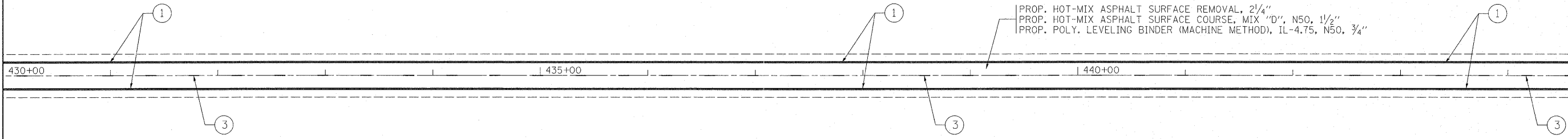
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	PLOT SCALE = 50,0000' / in.	DRAWN -	REVISED -					326	104-RS-11	McHENRY	29	18
	PLOT DATE = 10/20/2011	CHECKED -	REVISED -					CONTRACT NO. 60N39				
				SCALE: 1" = 50'		SHEET NO. OF SHEETS		STA. 400+00.00 TO STA. 430+00.00		ILLINOIS FED. AID PROJECT		

MATCHLINE STA. 430+00

IL. ROUTE 47



MATCHLINE STA. 445+00



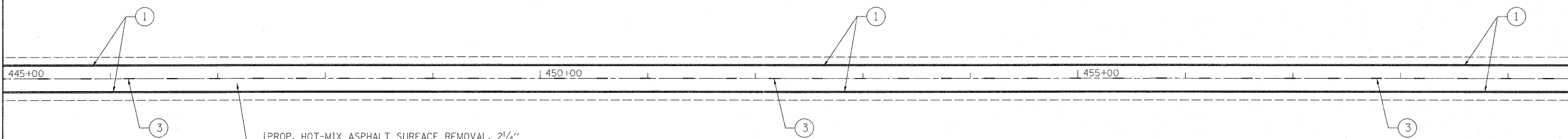
- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", SKIP DASH, YELLOW (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 6", TURN LANE, WHITE (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 8", DIAGONALS, WHITE (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)

MATCHLINE STA. 445+00

IL. ROUTE 47



MATCHLINE STA. 460+00



FILE NAME =
0130911-sht-plen.dgn

USER NAME = msdyjs
PLOT SCALE = 50.0000' / in.
PLOT DATE = 10/20/2011

DESIGNED -
DRAWN -
CHECKED -
DATE -

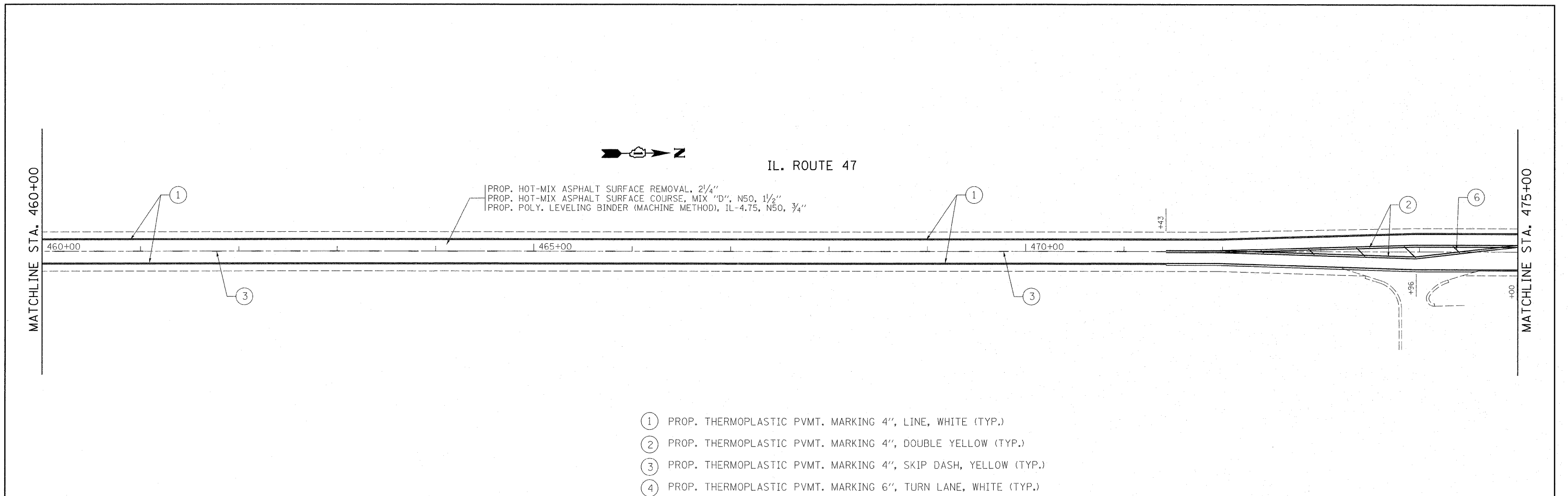
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

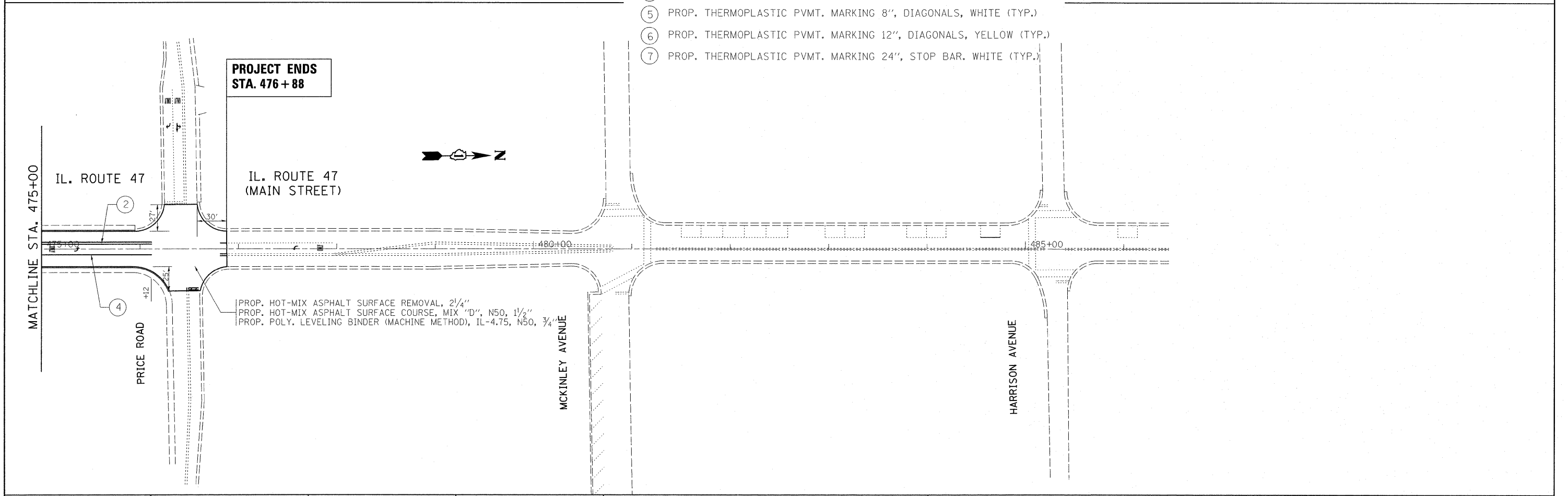
IL. ROUTE 47 (WARE ROAD TO PRICE ROAD)
PAVEMENT MARKING SHEET

SCALE: 1"= 50' SHEET NO. OF SHEETS STA. 430+00.00 TO STA. 460+00.00

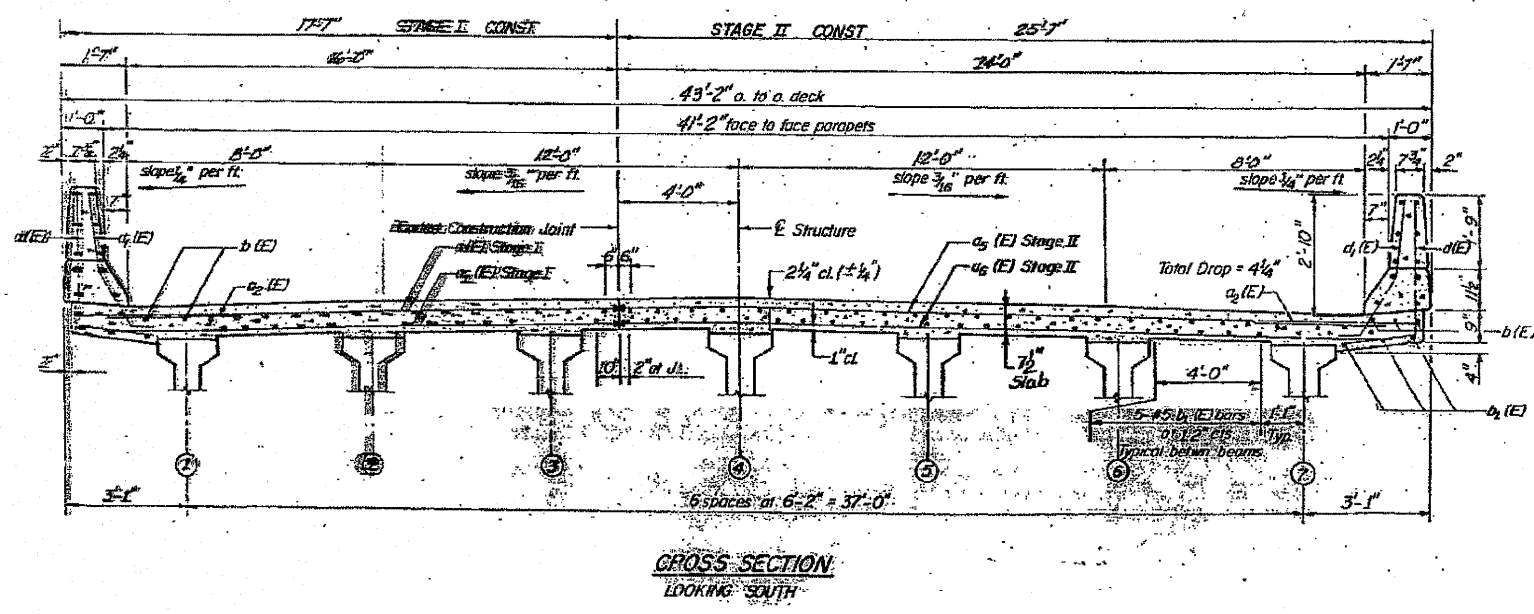
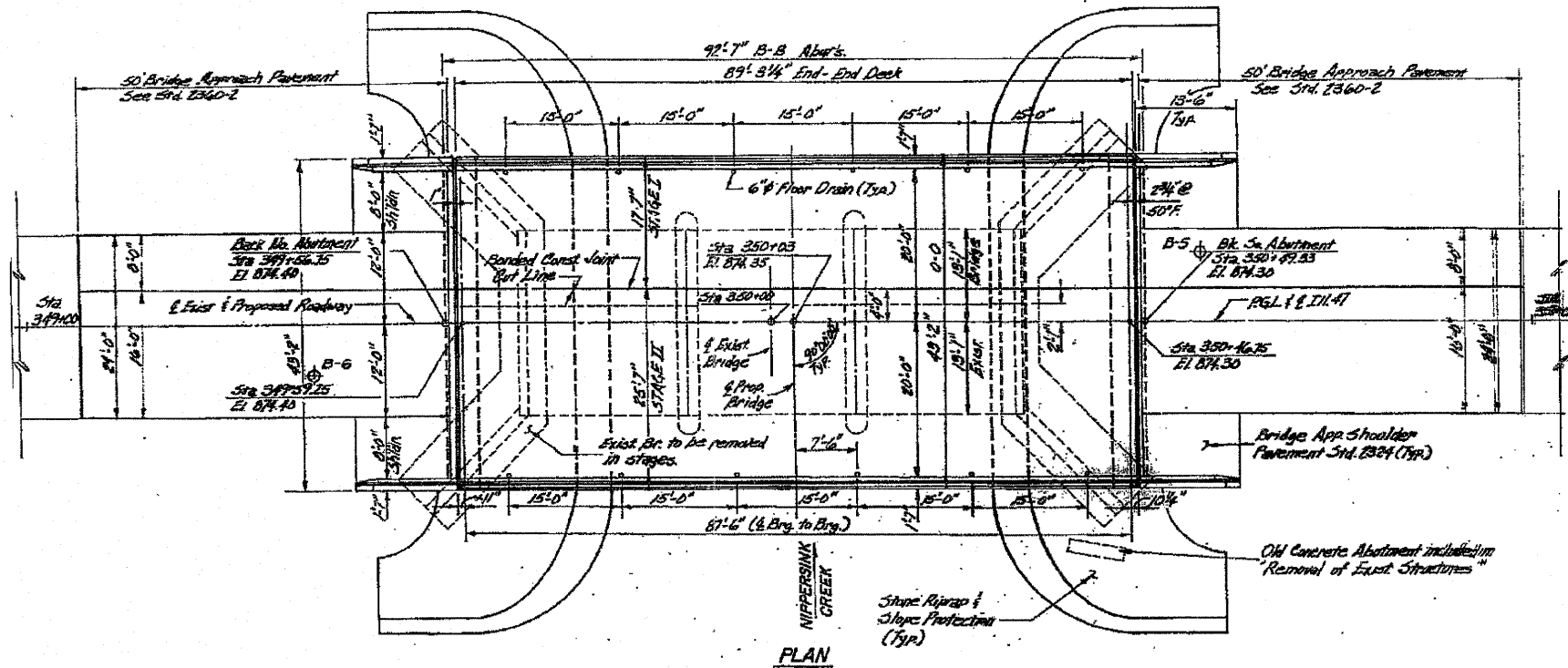
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	104-RS-11	McHENRY	29	19
CONTRACT NO. 60N39				
ILLINOIS FED. AID PROJECT				



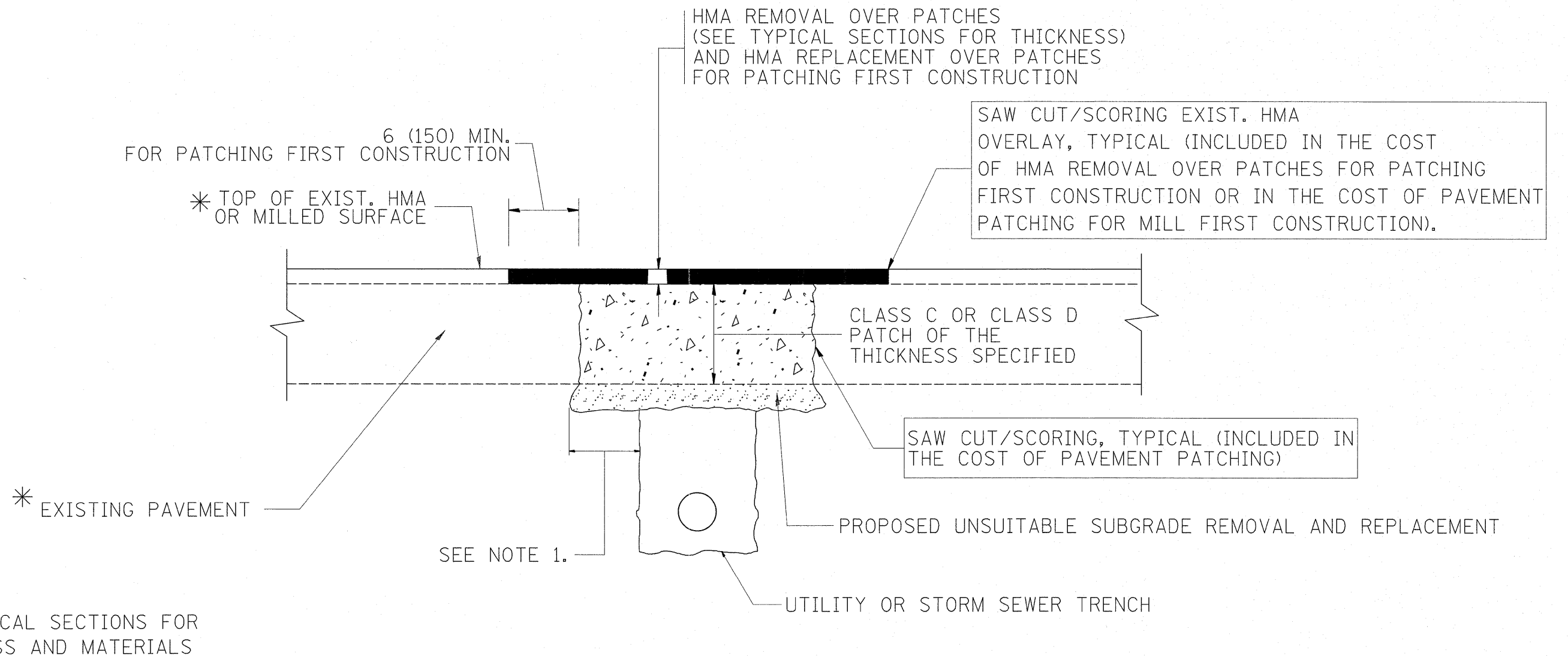
- ① PROP. THERMOPLASTIC PVMT. MARKING 4", LINE, WHITE (TYP.)
- ② PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW (TYP.)
- ③ PROP. THERMOPLASTIC PVMT. MARKING 4", SKIP DASH, YELLOW (TYP.)
- ④ PROP. THERMOPLASTIC PVMT. MARKING 6", TURN LANE, WHITE (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT. MARKING 8", DIAGONALS, WHITE (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 12", DIAGONALS, YELLOW (TYP.)
- ⑦ PROP. THERMOPLASTIC PVMT. MARKING 24", STOP BAR, WHITE (TYP.)



FILE NAME = D:\30911-sht-plan.dgn	USER NAME = mdyje	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 47 (WARE ROAD TO PRICE ROAD) PAVEMENT MARKING SHEET		F.A.P. RTE. 326	SECTION 104-RS-11	COUNTY McHENRY	TOTAL SHEETS 29	SHEET NO. 20
	PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -		SCALE: 1" = 50'	SHEET NO. OF SHEETS	STA. 460+00.00 TO STA. 486+45.59	CONTRACT NO. 60N39		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 10/20/2011	CHECKED -	REVISED -								
		DATE -	REVISED -								



FILE NAME =	USER NAME = mdyjo	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 056-0053 BRIDGE PLAN DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwork\modyjo\0248716\013091	sht-plan.dgn	DRAWN -	REVISED -			326	104-RS-11	McHENRY	29	22	
	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED -			CONTRACT NO. 60N39					
	PLOT DATE = 1/25/2011	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



* 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)

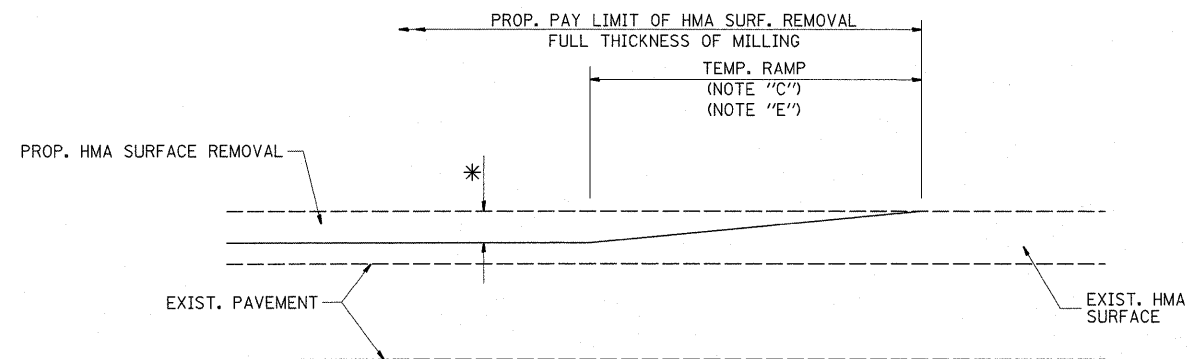
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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.

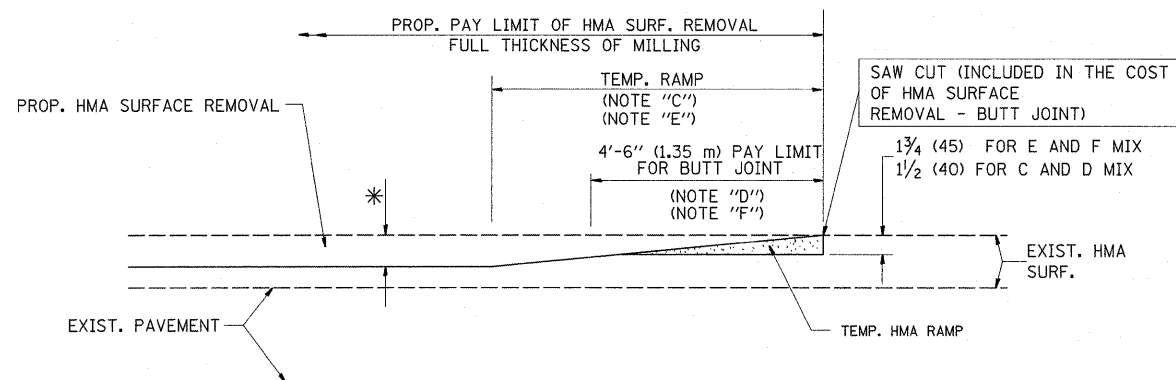
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = msdjje	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pw-work\pwidot\msdjje\d2248716\DistStc.dgn		DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	326	104-RS-11	McHENRY	29	23
		CHECKED -	REVISED - R. BORO 09-04-07					BD400-04 (BD-22)		CONTRACT NO. 60N39			
		DATE - 10-25-94	REVISED - K. ENG 10-27-08		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								



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

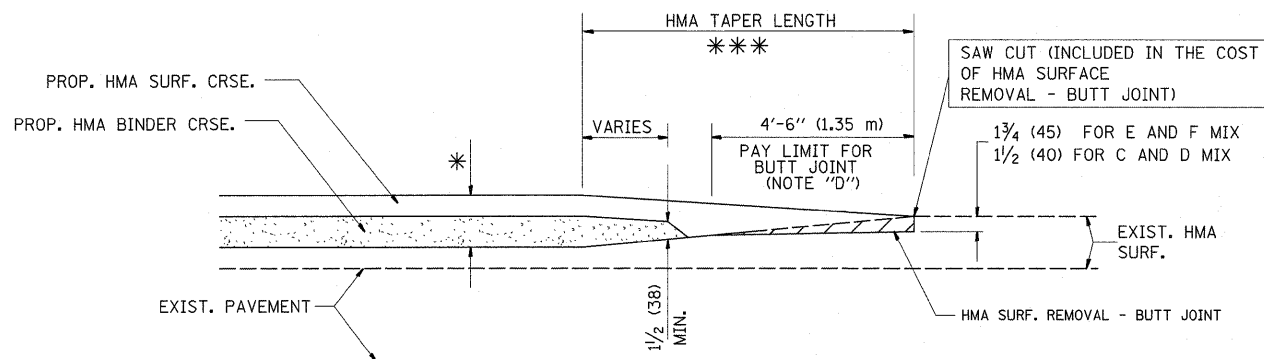
OPTION 1



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

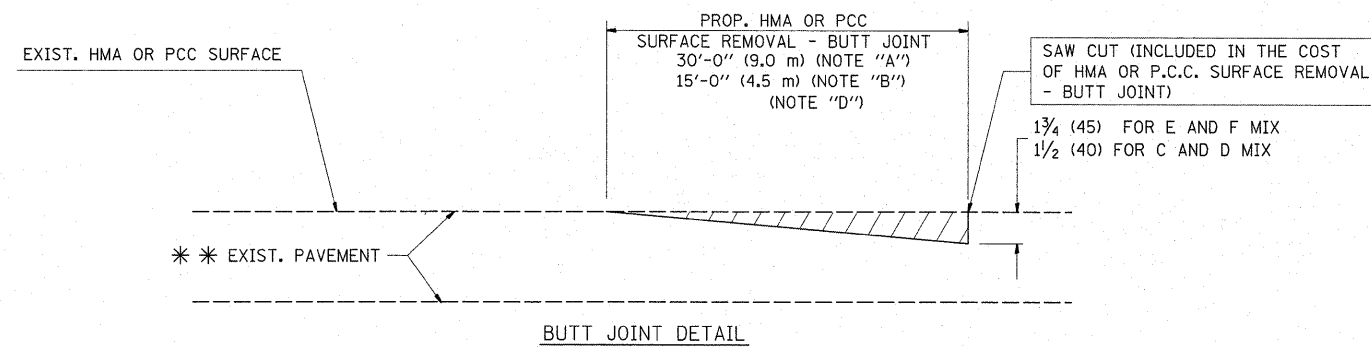
OPTION 2

TYPICAL TEMPORARY RAMP

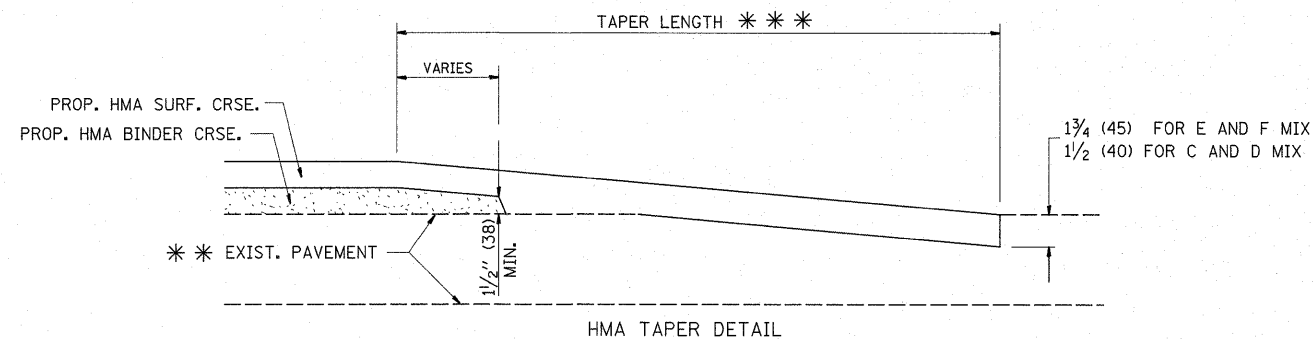


BUTT JOINT AND
HMA TAPER

**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.

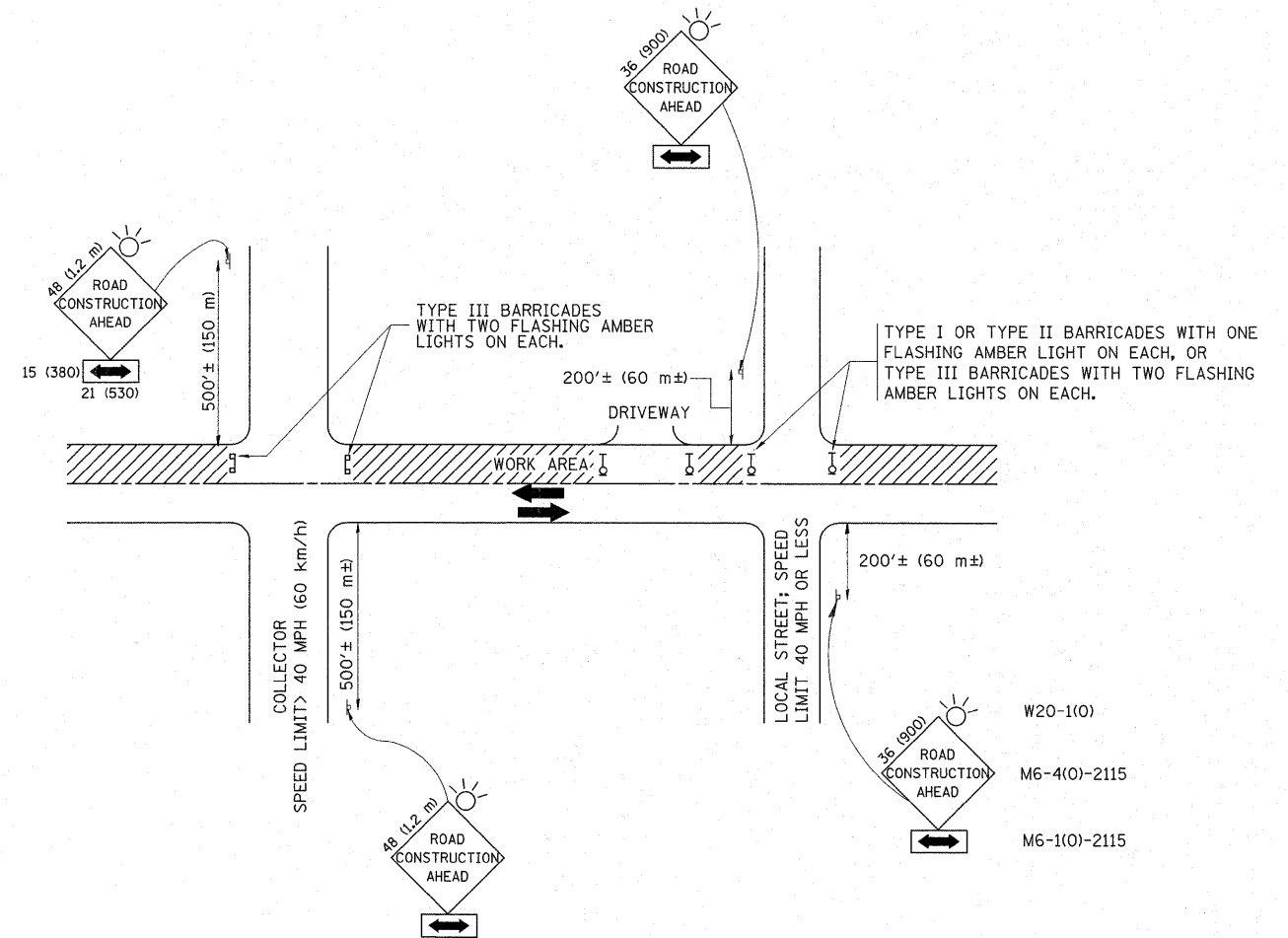
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PLOT SCALE = 50,0000' / 1in.		CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 10/20/2011		DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	104-R5-11	MCHENRY	29	24
BD400-05 BD32			CONTRACT NO. 60N39	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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. 701501, STD. 701606 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.

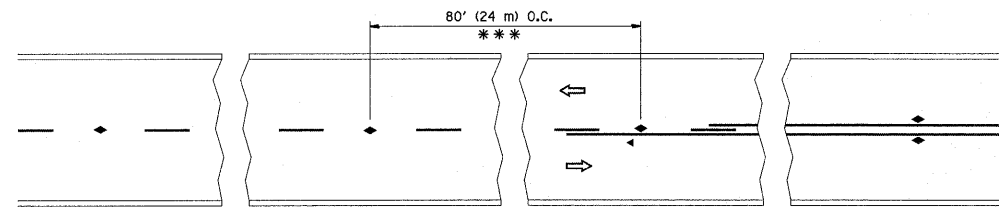
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	PLOT SCALE = 50,0000' / 1in.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 10/20/2011	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

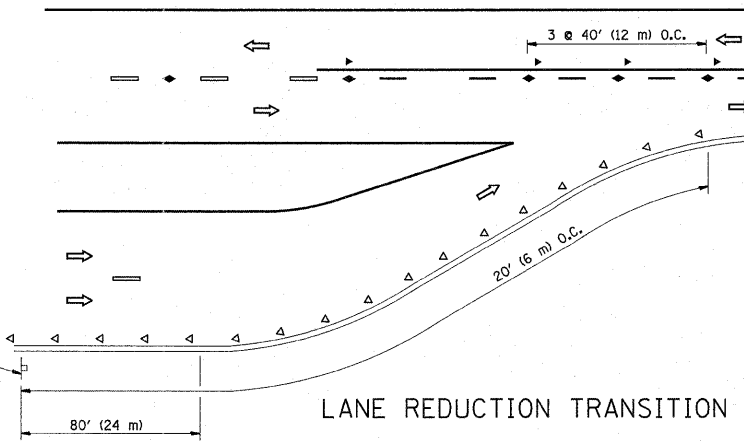
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10		CONTRACT NO. 60N39		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

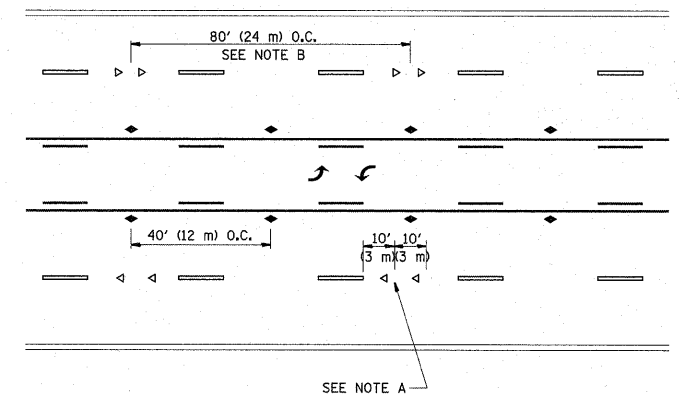


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

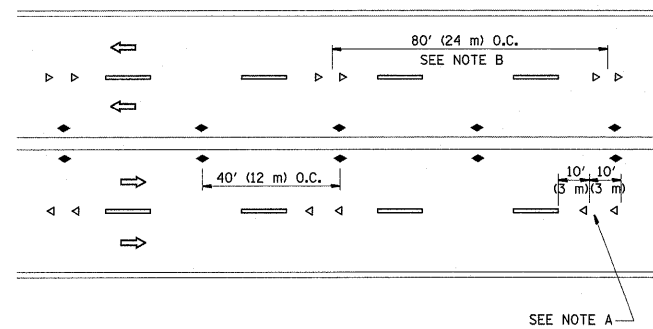
TWO-LANE/TWO-WAY



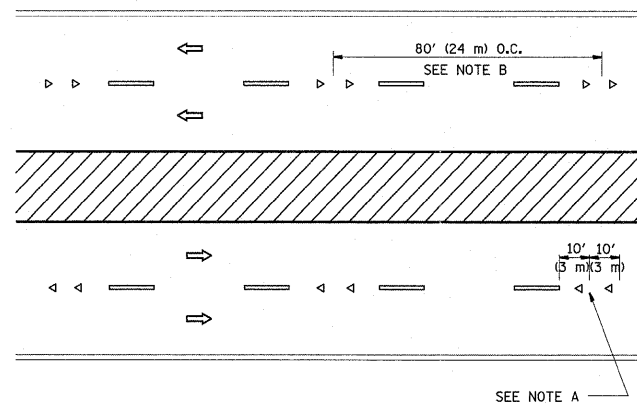
LANE REDUCTION TRANSITION



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 (50 TO 75) 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

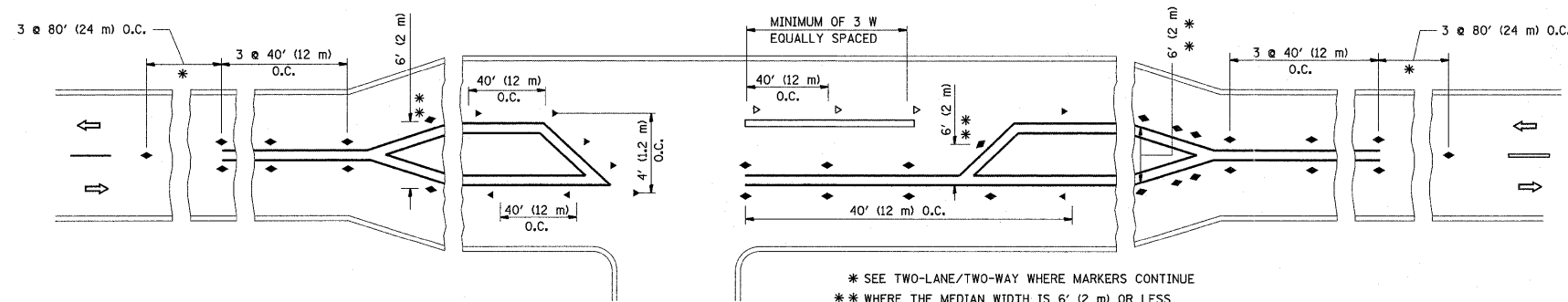
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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/h) 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 DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

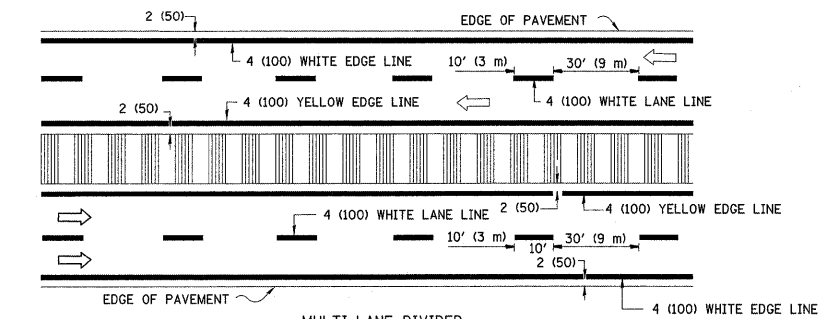
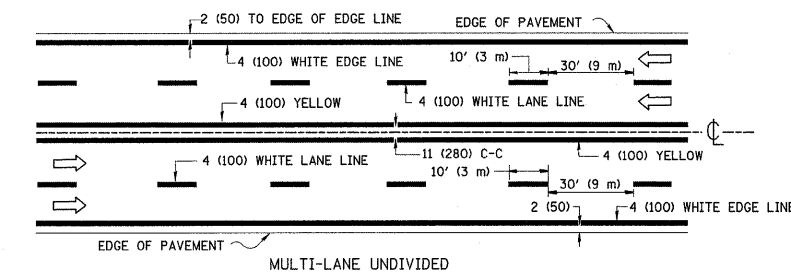
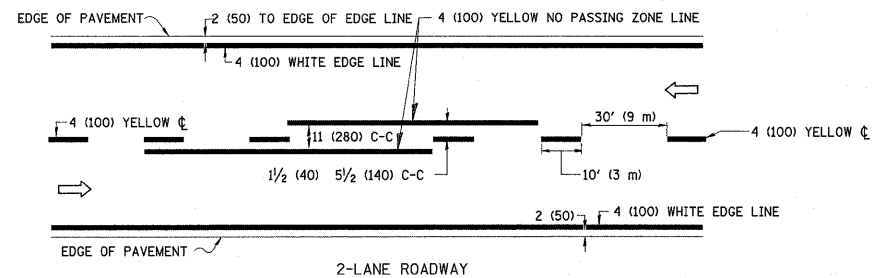


LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (1.2 m) OR LESS USE TWO-WAY MARKERS.

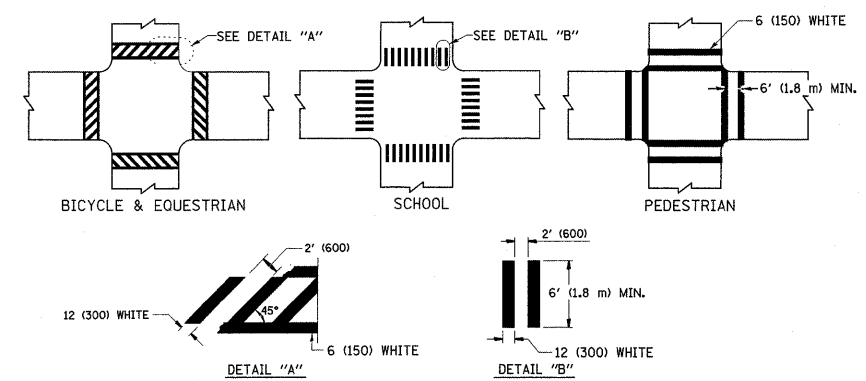
All dimensions are in inches (millimeters) unless otherwise shown.

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		DRAWN -	REVISED - T. RAMMACHER 03-12-99		RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			326	104-RS-11	McHENRY	29	26
		CHECKED -	REVISED - T. RAMMACHER 01-06-00		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-11			
		DATE -	REVISED - C. JUCIUS 09-09-09		CONTRACT NO. 60N39							
								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

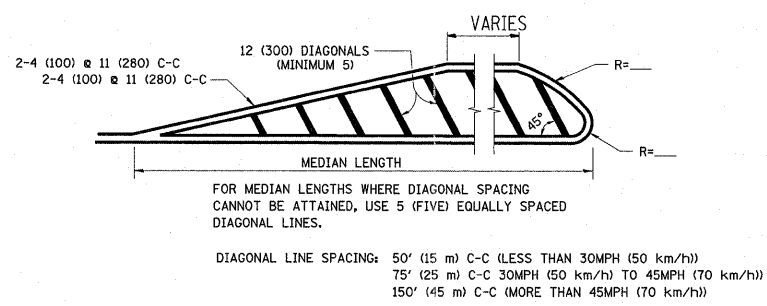
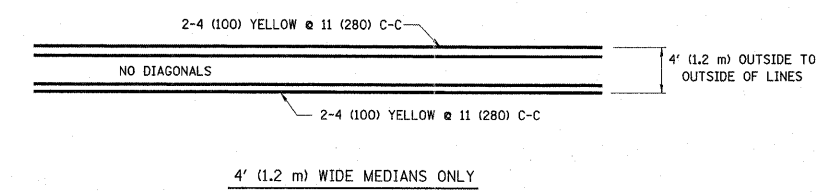


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

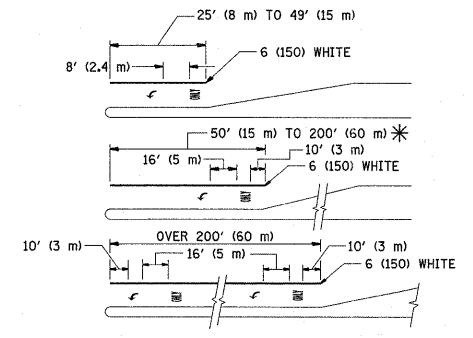
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

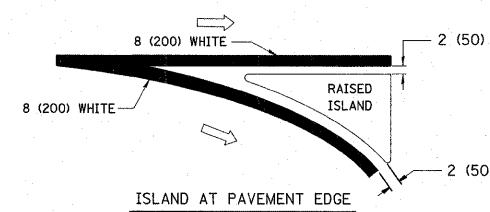
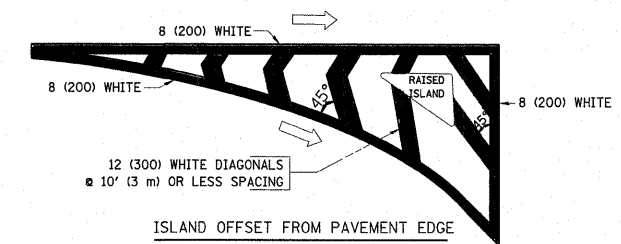


TYPICAL PAINTED MEDIAN MARKING



TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

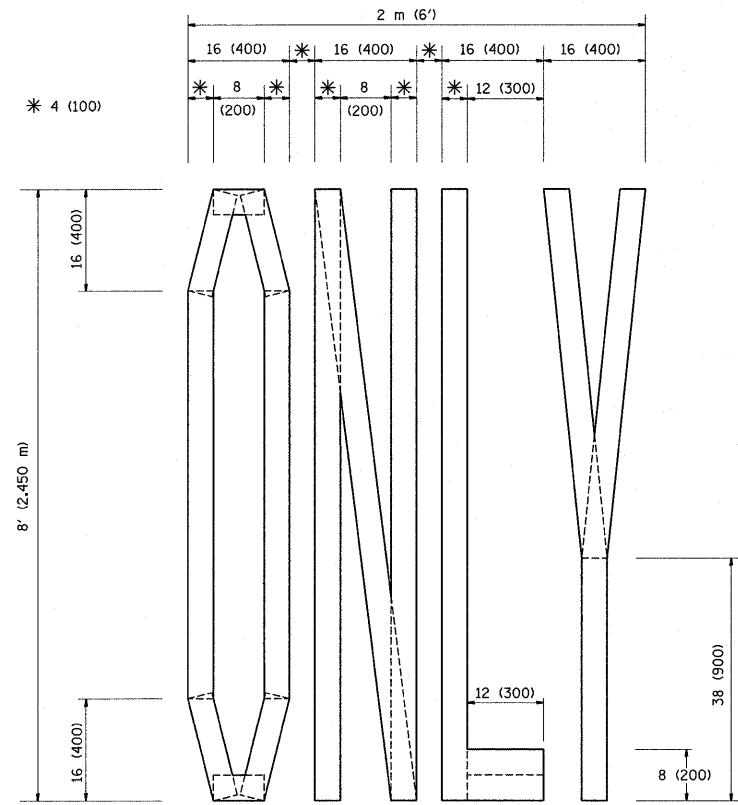


TYPICAL ISLAND MARKING

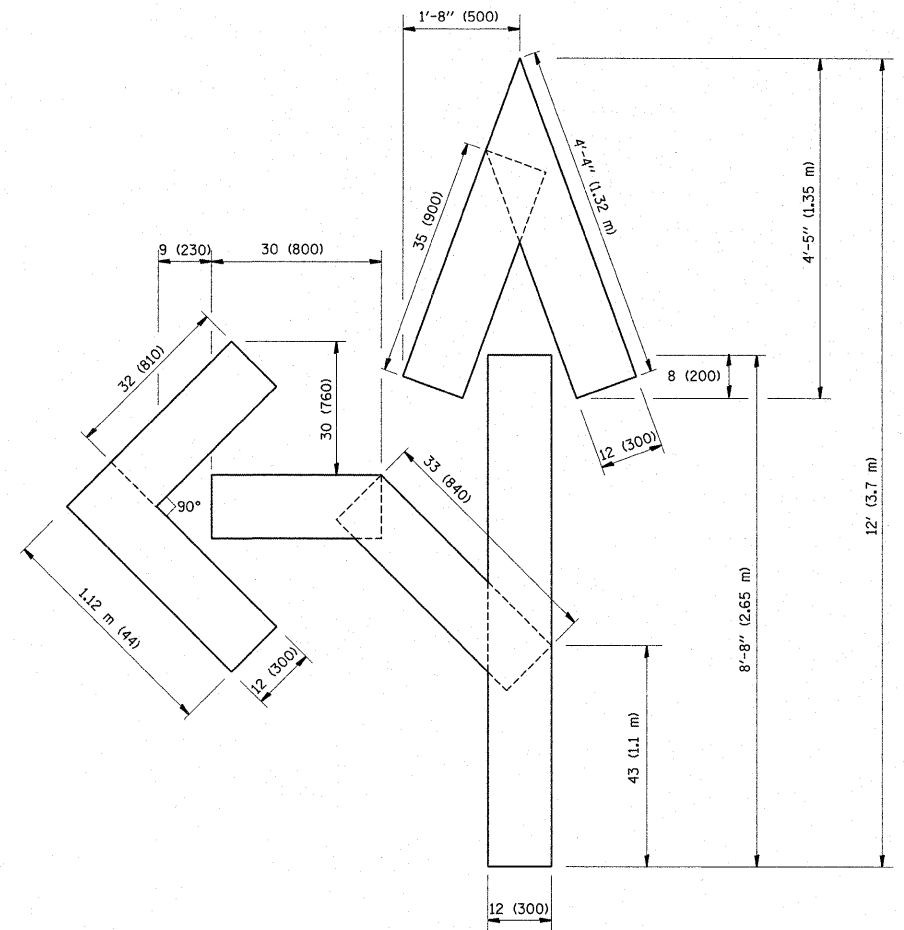
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES; FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

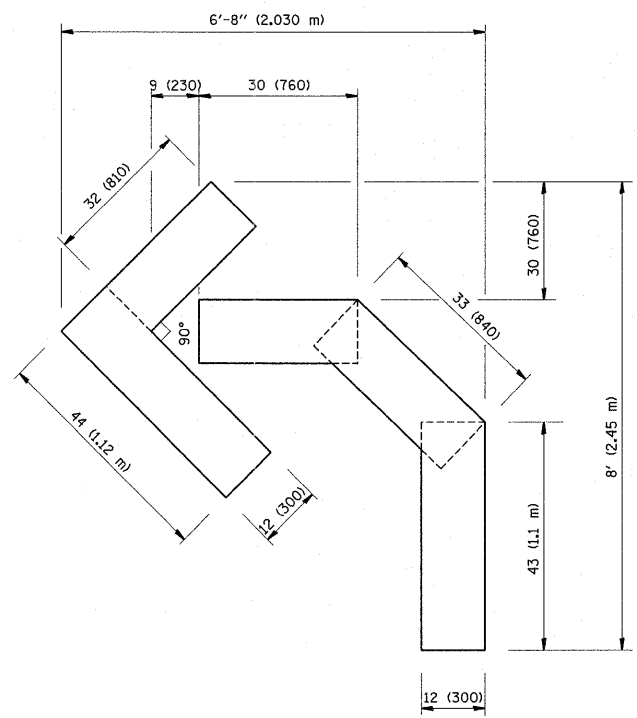
All dimensions are in inches (millimeters) unless otherwise shown.



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.

FILE NAME =	USER NAME = msdyja	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
ct:\pw_work\pwidot\msdyja\d0248716\DistStd.dgn		DRAWN -	REVISED -T. RAMMACHER 11-04-97
PLOT SCALE = 50,0000 / 1/4"		CHECKED -	REVISED -T. RAMMACHER 03-02-98
PLOT DATE = 10/28/2011		DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	104-RS-11	McHENRY	29	28
TC-16			CONTRACT NO. 60N39	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

