

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106X-RS-6	KANE	23	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 60E19		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

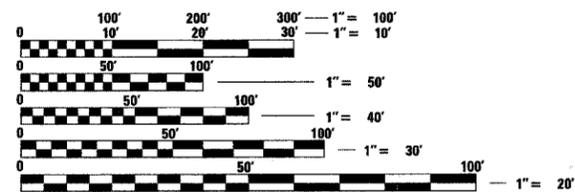
FAP ROUTE 326 (IL 47)
IL 64 TO PLATO ROAD
SECTION 106 X-RS-6
PROJECT: F-0326(072)
RESURFACING (3P)
KANE COUNTY
C-91-340-08

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED
IN KANE COUNTY



2006 ADT = 7,200 VEHICLES PER DAY
SPEED LIMIT = 55 MPH

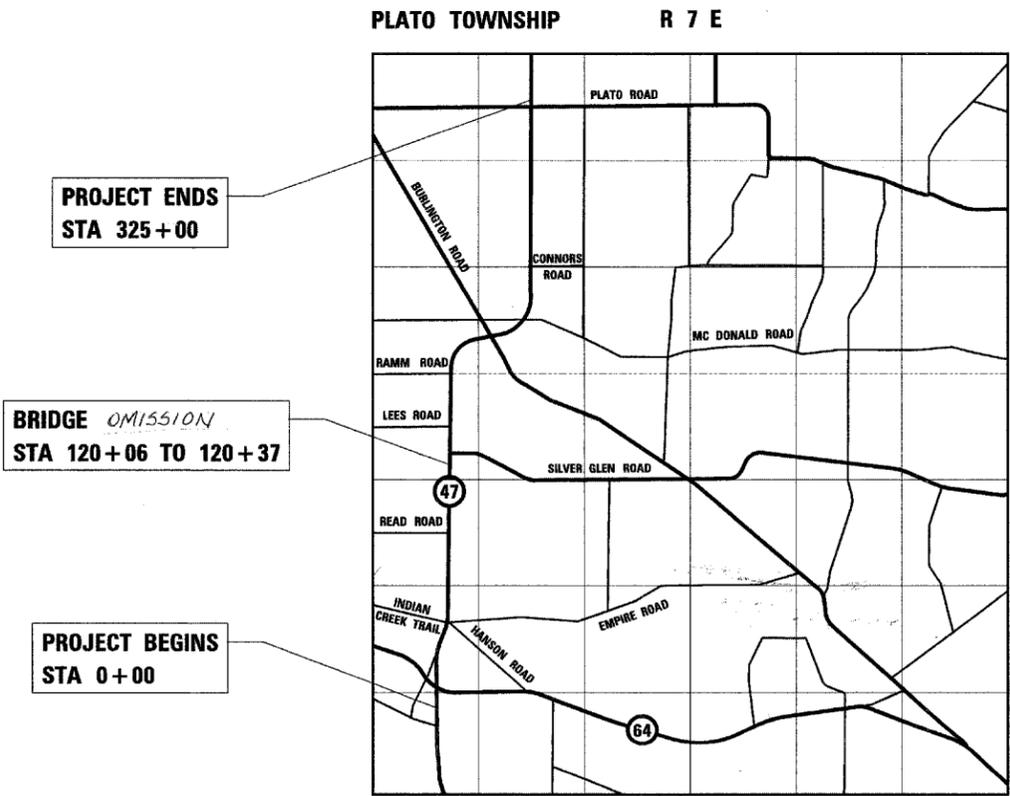


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: MICHELLE AQUINO (847) 705-4606
PROJECT MANAGER: LONG TRAN (847) 705-4232

CONTRACT NO. 60E19



GROSS & NET LENGTH OF PROJECT = 32,500 FT = 6.16 MILES

LOCATION MAP
NOT TO SCALE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED MARCH 31, 2008

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

May 9, 2008
Eric E. Haran INTERIM ENGINEER OF DESIGN AND ENVIRONMENT

May 9, 2008
Christine M. Reed DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

rjngroup
Excellence through Ownership

200 West Front Street
Wheaton, IL 60187

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Rel.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1.	TITLE SHEET
2.	INDEX OF SHEETS, STATE STANDARDS, GENERAL NOTES
3.	SUMMARY OF QUANTITIES
4.	EXISTING TYPICAL SECTIONS
5.	PROPOSED TYPICAL SECTIONS
6-16.	ROADWAY AND PAVEMENT MARKING PLAN
17.	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
18.	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
19.	BUTT JOINT AND HMA TAPER DETAILS
20.	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
21.	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
22.	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
23.	ARTERIAL ROAD INFORMATION SIGN

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-01	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >45 MPH
701311-02	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701336-04	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES FOR SPEEDS > 45 MPH
701606-05	URBAN LANE CLOSURE, 2W WITH MOUNTABLE MEDIAN
701701-05	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901	TRAFFIC CONTROL DEVICES

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL *J.U.L.I.E.* AT (800)892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED.)
- ALL PAVEMENT MARKING SHALL BE PLACED THROUGHOUT THE PROJECT ACCORDING TO DISTRICT 1 TYPICAL PAVEMENT MARKING.
- ALL HMA PAVEMENT PATCHING SHALL BE CLASS D.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT 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.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD (FOR FUTURE REFERENCES), ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL STRIPING SHALL BE AS DIRECTED BY THE ENGINEER.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE RESIDENT ENGINEER SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
- THE ENGINEER SHALL CONTACT MR. DON CHIARUGI, THE TRAFFIC FIELD ENGINEER, @ 847-741-9857 TWO (2) WEEKS PRIOR TO THE START OF THIS PROJECT SO THAT EXACT STATIONING OF NO PASSING ZONES AND OTHER PERMANENT PAVEMENT MARKINGS MAY BE ESTABLISHED.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL FOR TYPICAL APPLICATION OF RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) SHOWN IN THE PLANS.
- WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H)
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 47
INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106X-RS-6	KANE	23	2
CONTRACT NO. 60E19				

FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	URBAN	80% F.O. / 20% STATE	
			TOTAL QUANTITY	1000-2A	CONSTRUCTION TYPE CODE
20201006	GRADING AND SHAPING SHOULDERS	UNIT	602	602	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	59.6	59.6	
40600300	AGGREGATE (PRIME COAT)	TON	288	288	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	302.3	302.3	
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	145	145	
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	2,314	2,314	
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	9,730	9,730	
44002038	HOT-MIX ASPHALT REMOVAL OVER PATCHES	SQ YD	4,350	4,350	
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	99,260	99,260	
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	1,056	1,056	
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	37	37	
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	2,959	2,959	
48101200	AGGREGATE SHOULDER, TYPE B	TON	1,860	1,860	
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	8	8	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5	
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	
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	9,336	9,336	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	223,682	223,682	
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	840	840	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	602	602	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	318	318	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	3,081	3,081	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	111,841	111,841	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	420	420	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	301	301	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	159	159	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	735	735	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	735	735	
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	488.3	488.3	
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50	TON	5,215	5,215	
⊙ Z0076600	TRAINEES	HOUR	2,000	2,000	

* SPECIALTY ITEM

⊙ Y080

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

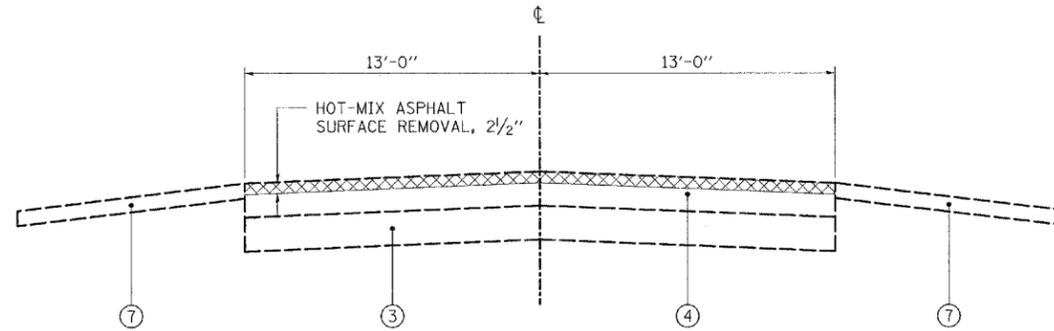
**IL ROUTE 47
 SUMMARY OF QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106X-RS-6	KANE	23	3
CONTRACT NO. 60E19				

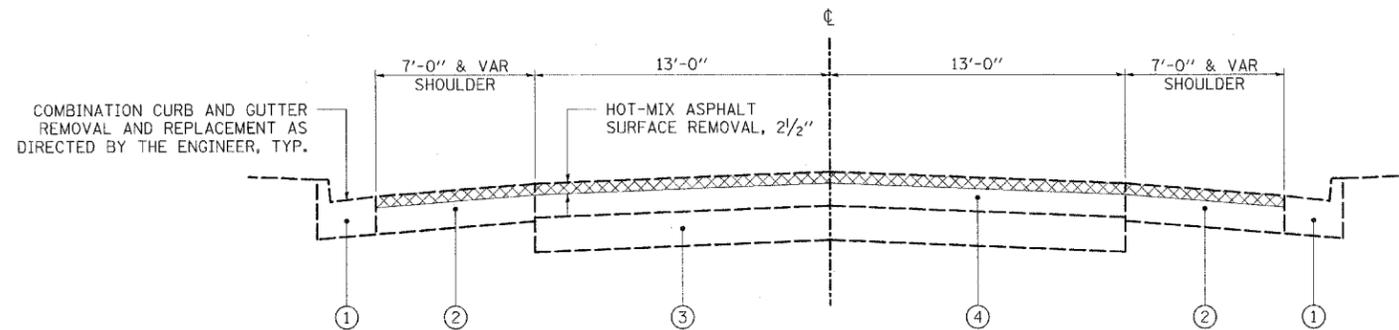
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT

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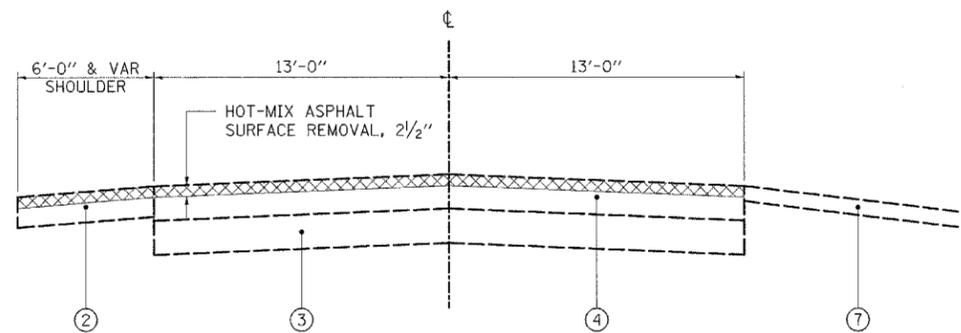
EXISTING TYPICAL SECTION IL ROUTE 47

STA 0+00 TO STA 8+72
 STA 32+50 TO STA 158+88
 STA 167+22 TO STA 325+00



EXISTING TYPICAL SECTION IL ROUTE 47

STA 8+72 TO STA 32+50



EXISTING TYPICAL SECTION IL ROUTE 47

STA 158+88 TO STA 167+22

LEGEND

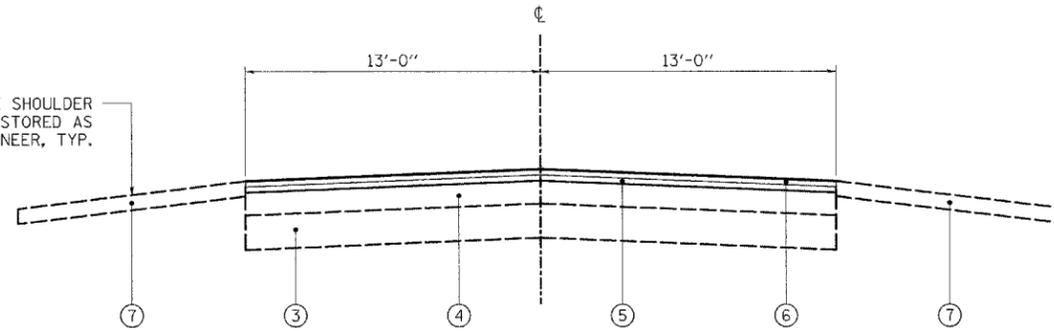
- ① EXISTING GUTTER OR COMBINATION CURB AND GUTTER
- ② EXISTING HOT-MIX ASPHALT SHOULDER
- ③ EXISTING P.C.C. PAVEMENT, ±9"
- ④ EXISTING HOT-MIX ASPHALT PAVEMENT, ±9 1/2" (BEFORE SURFACE REMOVAL)
- ⑤ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑥ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, "MIX F", N90, 1 3/4"
- ⑦ EXISTING AGGREGATE SHOULDER

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106X-RS-6	KANE	23	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60E19	

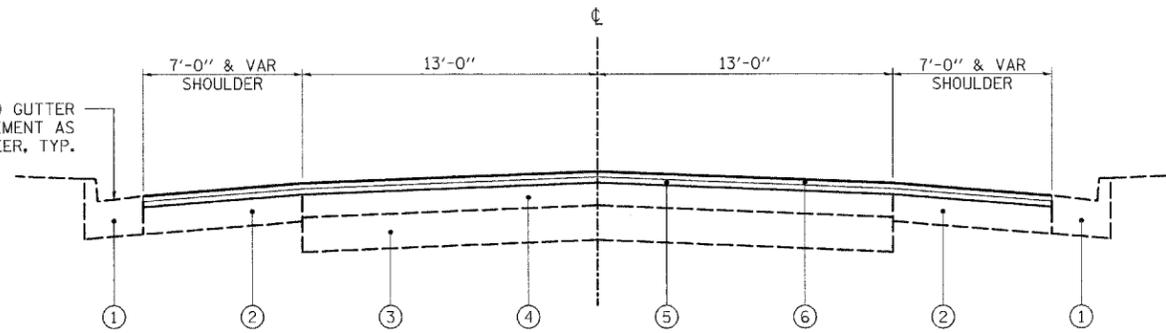
EXISTING AGGREGATE SHOULDER TO BE REGRADED AND RESTORED AS DIRECTED BY THE ENGINEER, TYP.



PROPOSED TYPICAL SECTION IL ROUTE 47

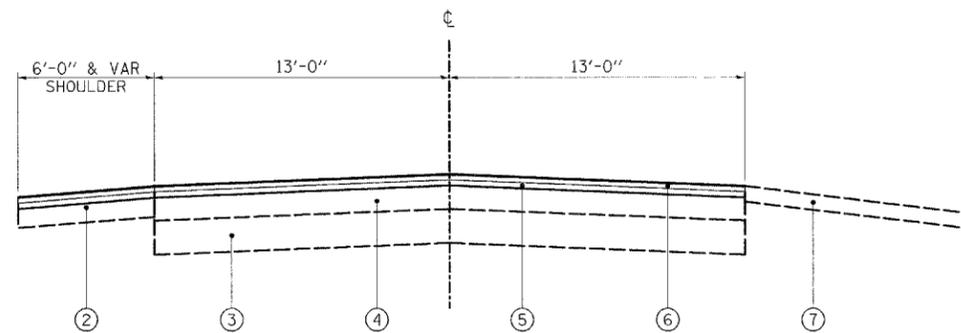
STA 0+00 TO STA 8+72
 STA 32+50 TO STA 158+88
 STA 167+22 TO STA 325+00

COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT AS DIRECTED BY THE ENGINEER, TYP.



PROPOSED TYPICAL SECTION IL ROUTE 47

STA 8+72 TO STA 32+50



PROPOSED TYPICAL SECTION IL ROUTE 47

STA 158+88 TO STA 167+22

HOT-MIX ASPHALT MIXTURE

MIXTURE	AC TYPE	AIR VOIDS (%)
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm)	SBS/SBR PG 70-22	4% @ 90 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% @ 50 GYR.
HMA REPLACEMENT OVER PATCHES (HMA BINDER, IL-19 mm)	PG 64-22*	4% @ 70 GYR.
CLASS D PATCH (HMA BINDER, IL-19 mm)	PG 64-22*	4% @ 70 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SOYD/IN

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

LEGEND

- ① EXISTING GUTTER OR COMBINATION CURB AND GUTTER
- ② EXISTING HOT-MIX ASPHALT SHOULDER
- ③ EXISTING P.C.C. PAVEMENT, ±9"
- ④ EXISTING HOT-MIX ASPHALT PAVEMENT, ±9 1/2" (BEFORE SURFACE REMOVAL)
- ⑤ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑥ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, "MIX F", N90, 1 3/4"
- ⑦ EXISTING AGGREGATE SHOULDER

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

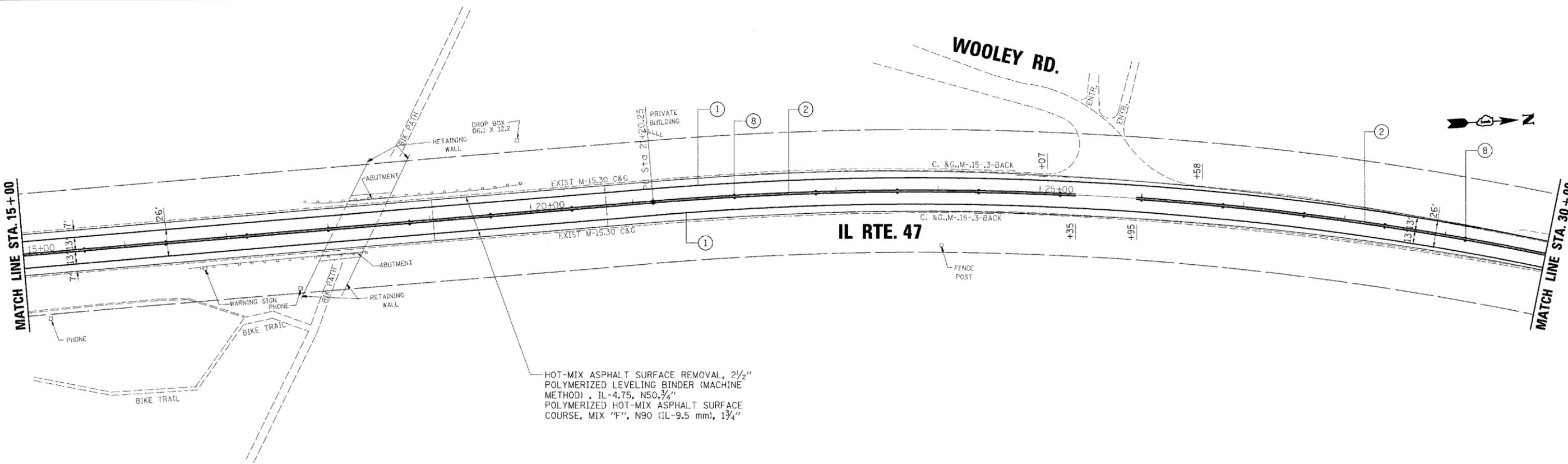
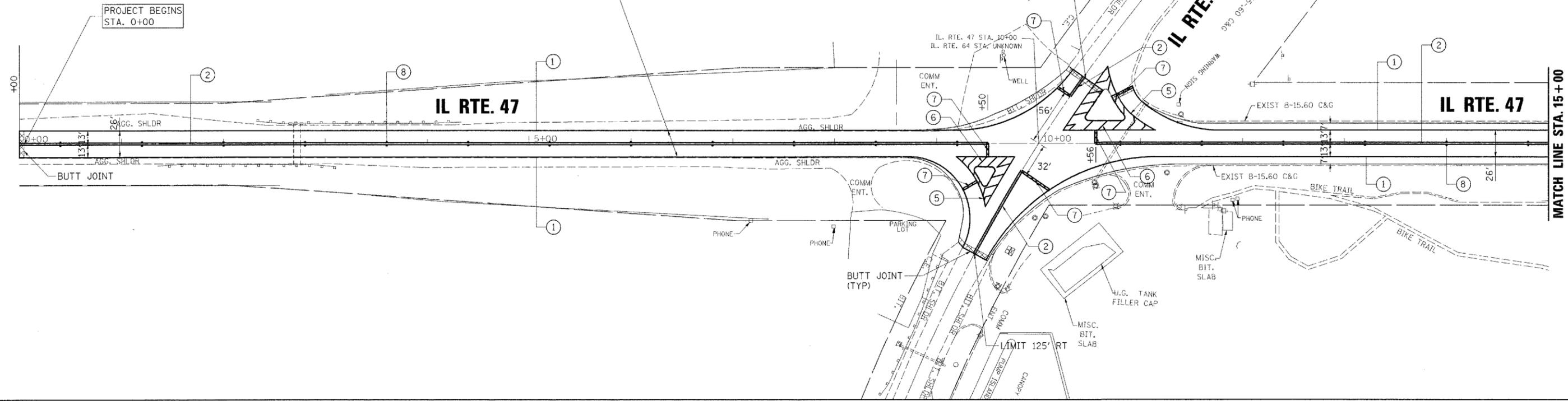
**IL ROUTE 47
 PROPOSED TYPICAL SECTIONS**

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

F.A.P. RTE. 326	SECTION 106X-RS-6	COUNTY KANE	TOTAL SHEETS 23	SHEET NO. 5
CONTRACT NO. 60E19				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1 3/4"



HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1 3/4"

REFER TO ROADWAY PLAN SHEET 11 OF 11 FOR PAVEMENT MARKING LEGEND

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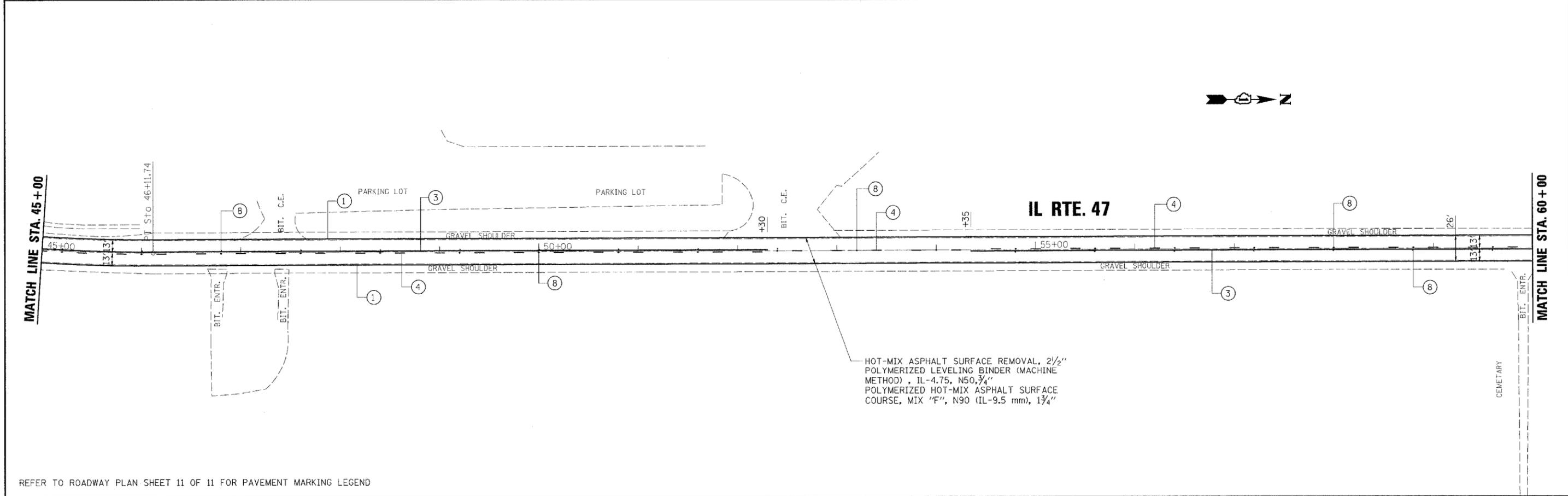
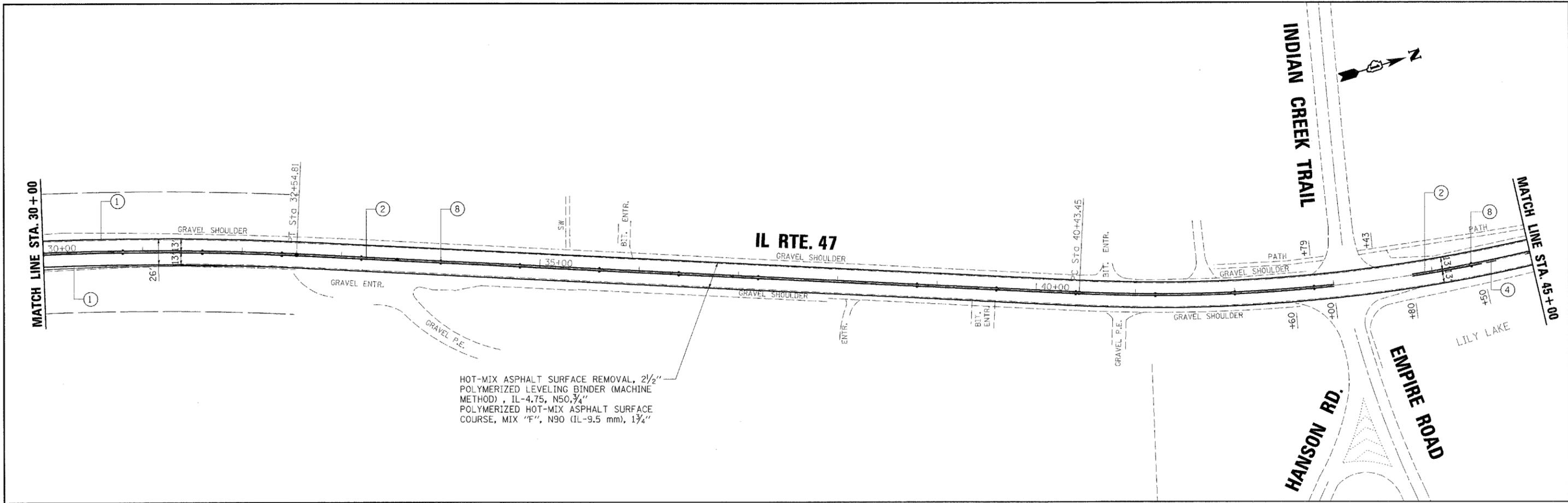
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 EXISTING & PROPOSED ROADWAY PLAN**
 SCALE: 1"=50' SHEET NO. 1 OF 11 SHEETS STA. 0+00 TO STA. 30+00

F.A.P. RTE. 326	SECTION 106X-RS-6	COUNTY KANE	TOTAL SHEETS 23	SHEET NO. 6
CONTRACT NO. 60E19				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



REFER TO ROADWAY PLAN SHEET 11 OF 11 FOR PAVEMENT MARKING LEGEND

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
EXISTING & PROPOSED ROADWAY PLAN**

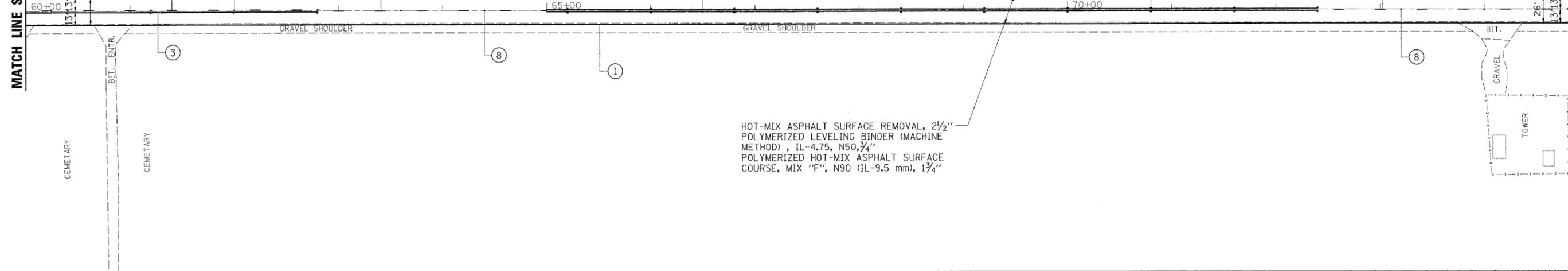
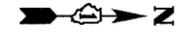
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F.A.P. RTE. 326	SECTION 106X-RS-6	COUNTY KANE	TOTAL SHEETS 23	SHEET NO. 7
CONTRACT NO. 60E19				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

MATCH LINE STA. 60+00

MATCH LINE STA. 75+00

IL RTE. 47

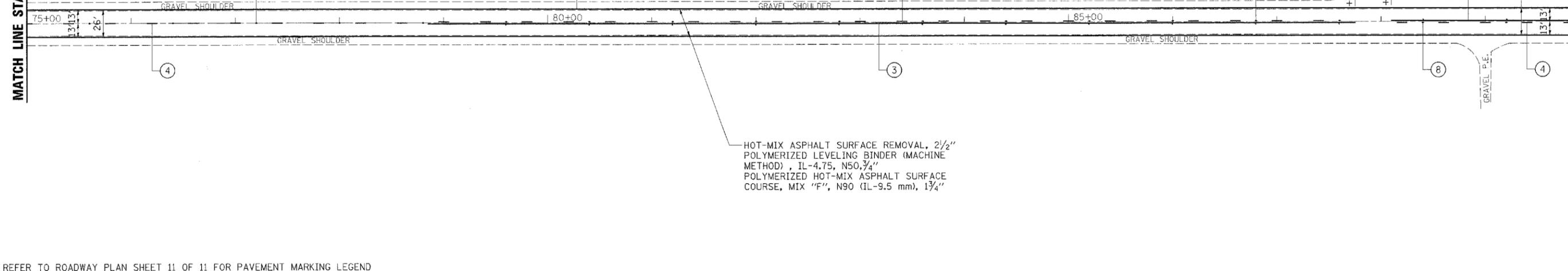
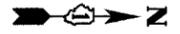


HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1 3/4"

MATCH LINE STA. 75+00

MATCH LINE STA. 90+00

IL RTE. 47



HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1 3/4"

REFER TO ROADWAY PLAN SHEET 11 OF 11 FOR PAVEMENT MARKING LEGEND

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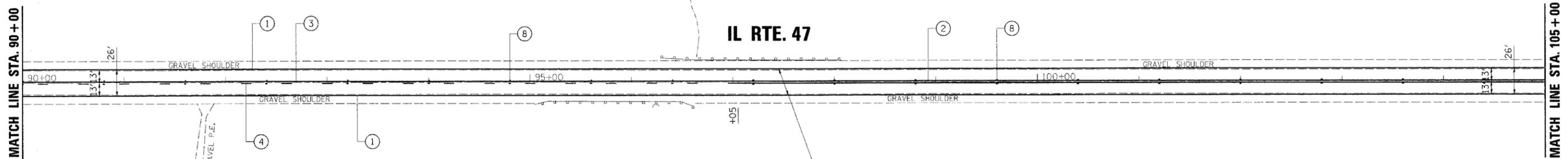
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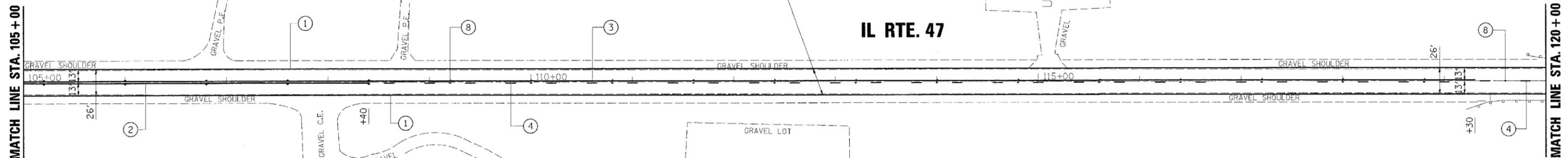
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 47 EXISTING & PROPOSED ROADWAY PLAN	
SCALE: 1"=50'	SHEET NO. 3 OF 11 SHEETS
STA. 60+00 TO STA. 90+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106X-RS-6	KANE	23	8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60E19	



HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1 3/4"



HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1 3/4"

REFER TO ROADWAY PLAN SHEET 11 OF 11 FOR PAVEMENT MARKING LEGEND

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rjngroup
 Excellence through Ownership
 200 West Front Street
 Wheaton, IL 60187

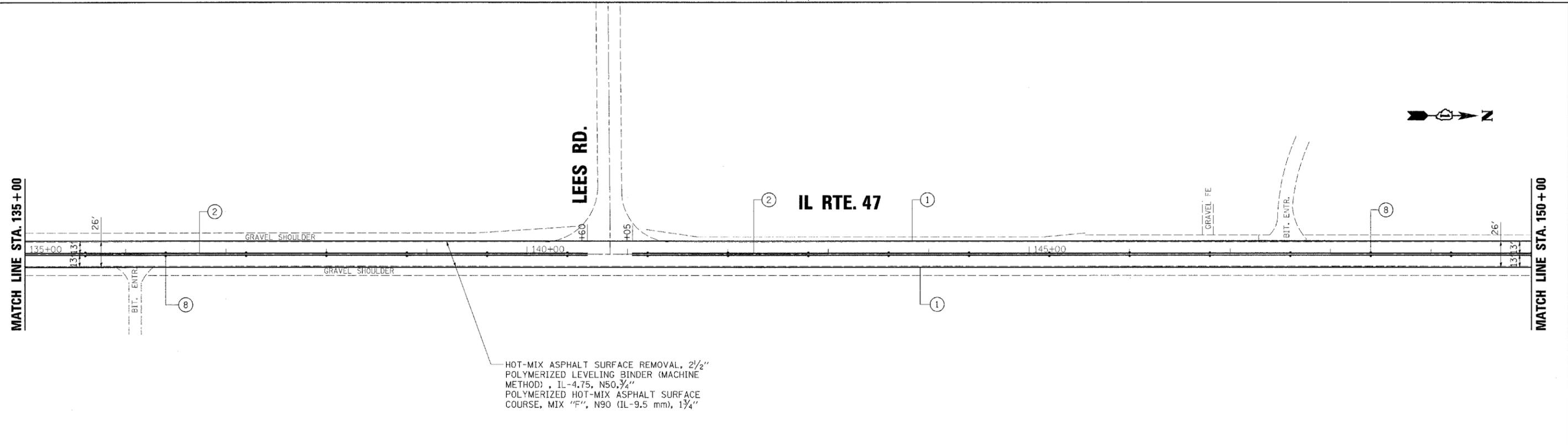
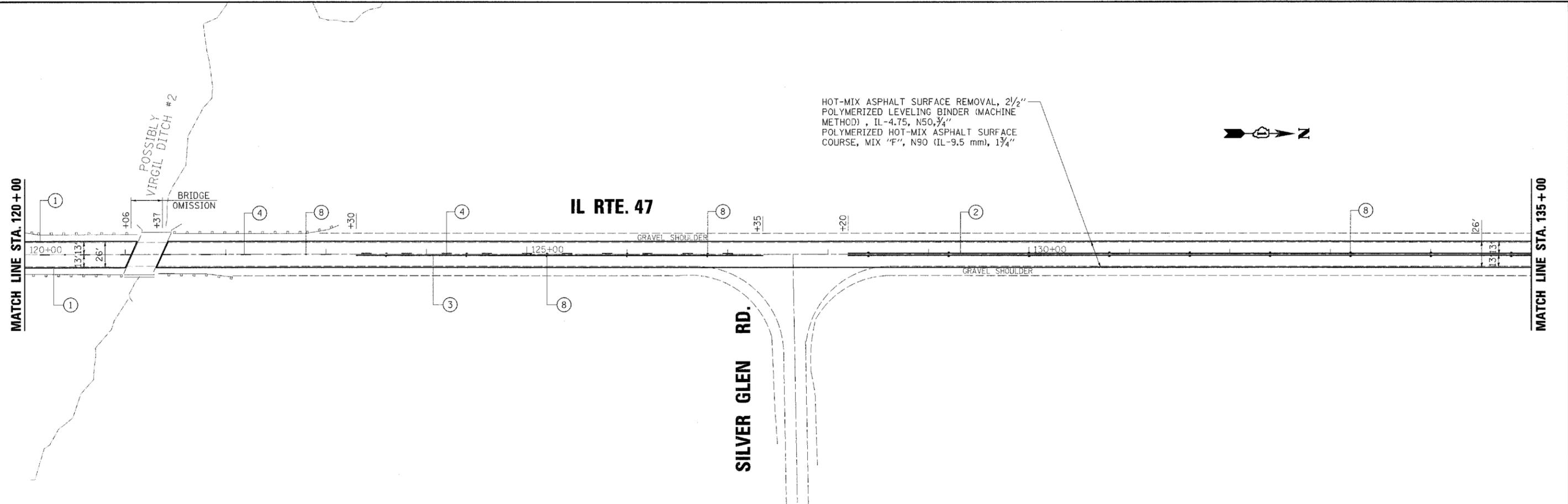
DESIGNED - LCM	REVISED -
DRAWN - JMT	REVISED -
CHECKED - BLB	REVISED -
DATE - 3/28/08	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 EXISTING & PROPOSED ROADWAY PLAN**

SCALE: 1"=50' SHEET NO. 4 OF 11 SHEETS STA. 90+00 TO STA. 120+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106X-RS-6	KANE	23	9
CONTRACT NO. 60E19				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



REFER TO ROADWAY PLAN SHEET 11 OF 11 FOR PAVEMENT MARKING LEGEND

4/18/2008
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200 West Front Street
 Wheaton, IL 60187

DESIGNED - LCM	REVISED -
DRAWN - JMT	REVISED -
CHECKED - BLB	REVISED -
DATE - 3/28/08	REVISED -

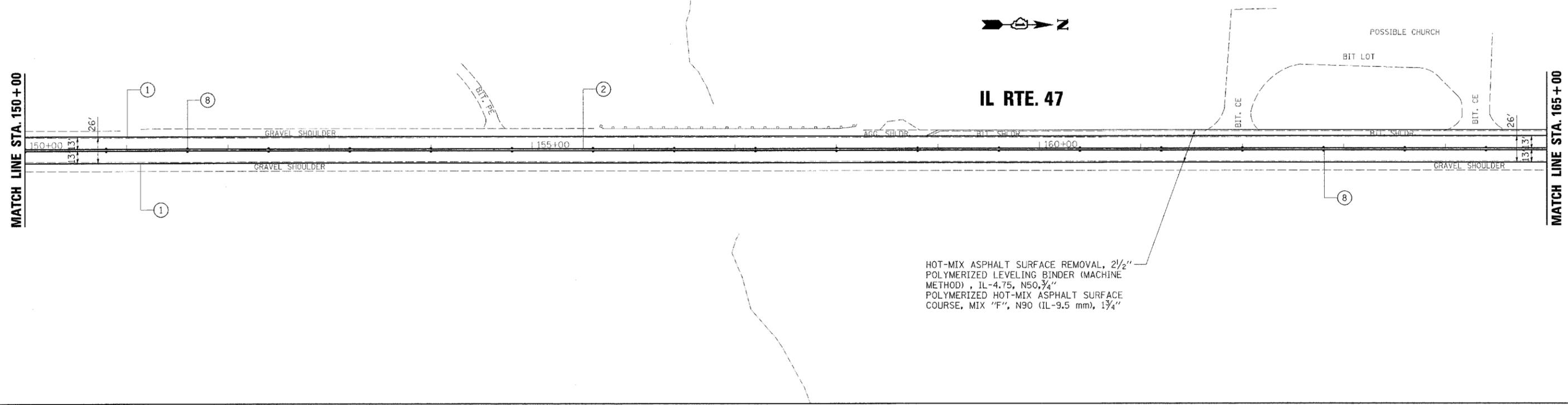
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 47 EXISTING & PROPOSED ROADWAY PLAN	
SCALE: 1"=50'	SHEET NO. 5 OF 11 SHEETS
STA. 120+00 TO STA. 150+00	

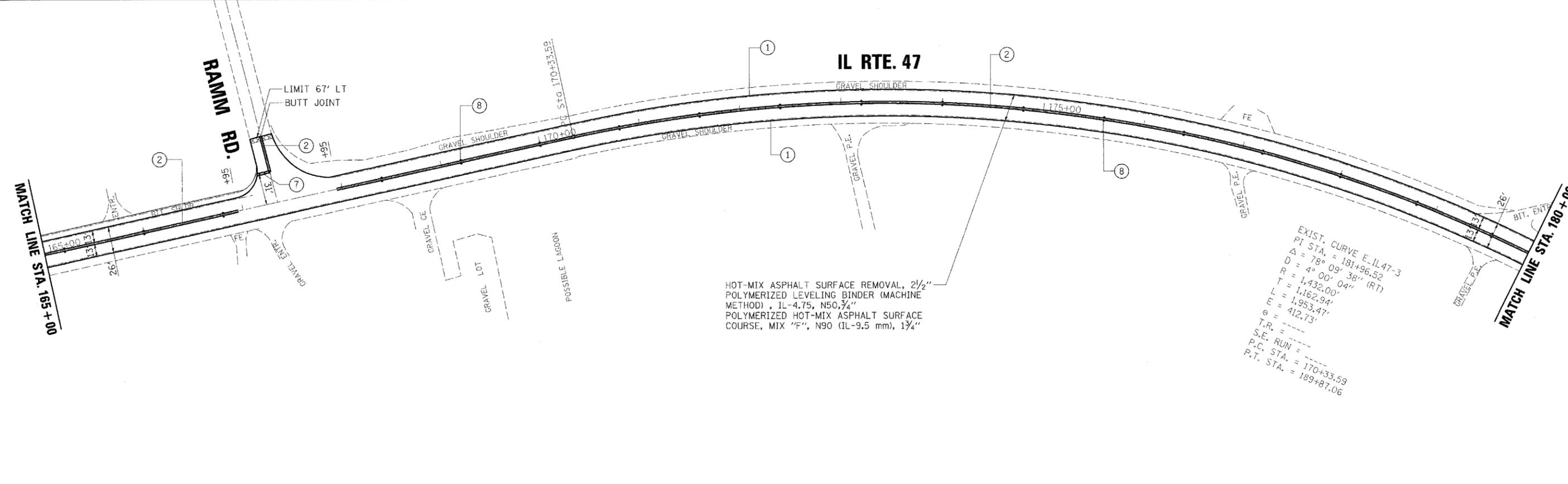
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106X-RS-6	KANE	23	10
CONTRACT NO. 60E19				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

MATCH LINE STA. 150+00

MATCH LINE STA. 165+00



HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1 3/4"



HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1 3/4"

EXIST. CURVE E-IL47-3
 PI STA. = 181+96.52
 $\Delta = 78^\circ 09' 38''$ (RT)
 $D = 4^\circ 00' 04''$
 $T = 1,432.00'$
 $L = 1,162.94'$
 $E = 1,953.47'$
 $e = 412.73'$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 170+33.59
 P.T. STA. = 189+87.06

REFER TO ROADWAY PLAN SHEET 11 OF 11 FOR PAVEMENT MARKING LEGEND

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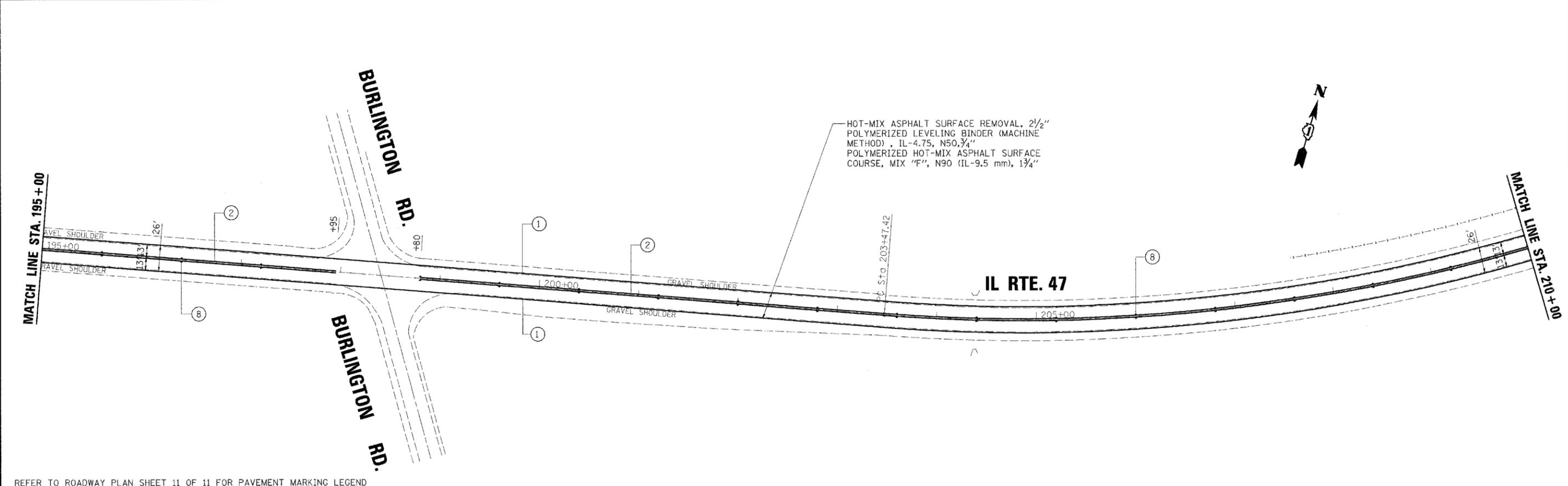
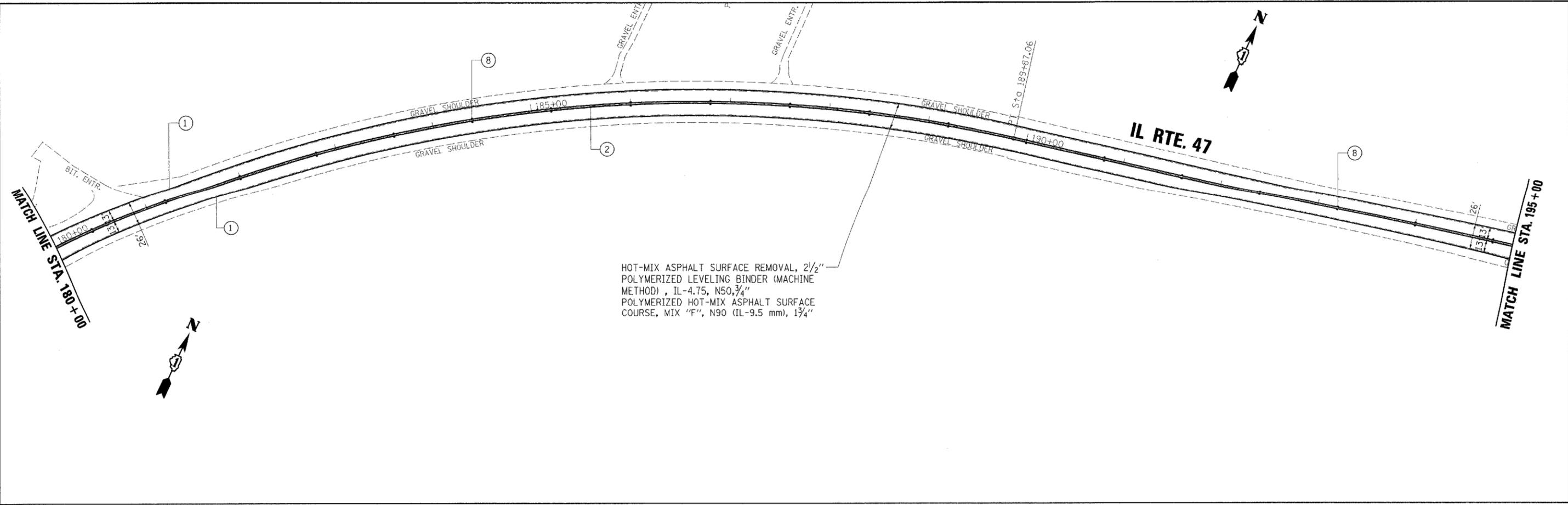
200 West Front Street
 Wheaton, IL 60187

DESIGNED - LCM	REVISED -
DRAWN - JMT	REVISED -
CHECKED - BLB	REVISED -
DATE - 3/28/08	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 47	
EXISTING & PROPOSED ROADWAY PLAN	
SCALE: 1"=50'	SHEET NO. 6 OF 11 SHEETS
STA. 150+00	TO STA. 180+00

F.A.P. RTE. 326	SECTION 106X-RS-6	COUNTY KANE	TOTAL SHEETS 23	SHEET NO. 11
CONTRACT NO. 60E19				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



REFER TO ROADWAY PLAN SHEET 11 OF 11 FOR PAVEMENT MARKING LEGEND

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200 West Front Street
Wheaton, IL 60187

DESIGNED - LCM	REVISED -
DRAWN - JMT	REVISED -
CHECKED - BLB	REVISED -
DATE - 3/28/08	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

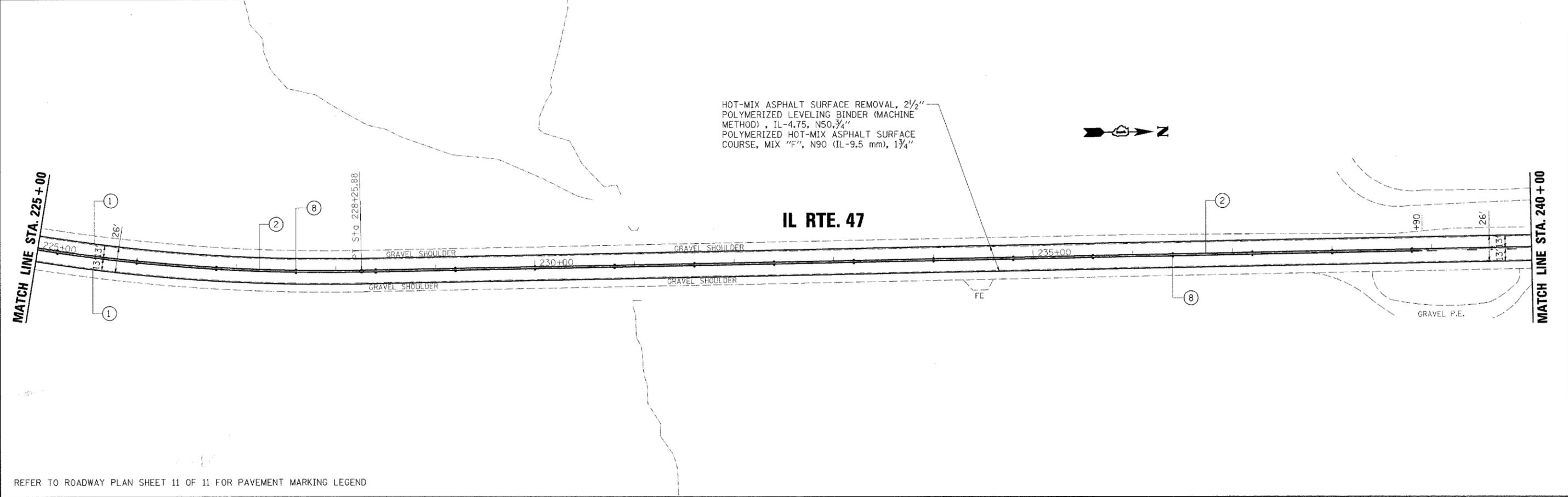
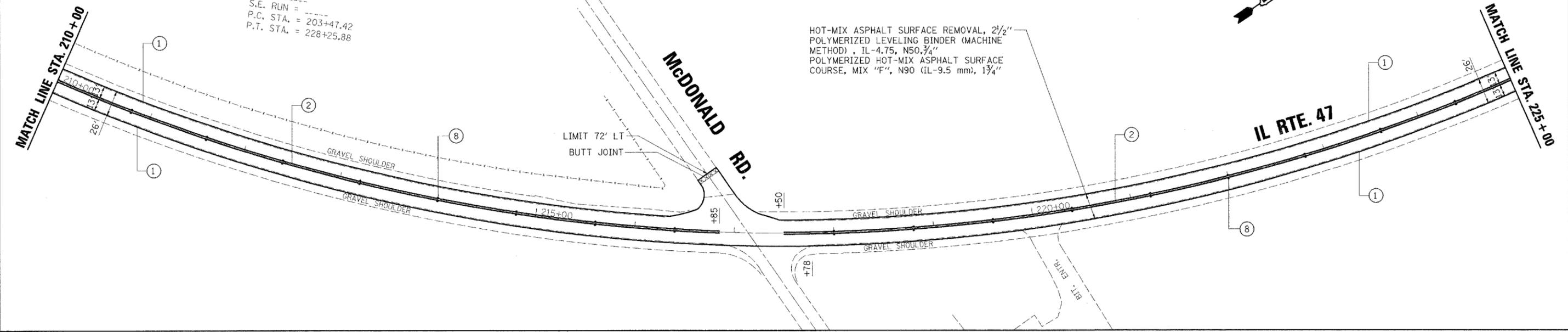
IL ROUTE 47 EXISTING & PROPOSED ROADWAY PLAN	
SCALE: 1"=50'	SHEET NO. 7 OF 11 SHEETS STA. 180+00 TO STA. 210+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106X-RS-6	KANE	23	12
CONTRACT NO. 60E19				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

EXIST. CURVE E_IL47-4
 PI STA. = 218+25.09
 $\Delta = 78^\circ 27' 22''$ (LT)
 $D = 3^\circ 09' 56''$
 $R = 1,810.00'$
 $T = 1,477.67'$
 $L = 2,478.46'$
 $E = 526.58'$
 $\theta =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 203+47.42
 P.T. STA. = 228+25.88

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1 3/4"

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1 3/4"



REFER TO ROADWAY PLAN SHEET 11 OF 11 FOR PAVEMENT MARKING LEGEND

PLOT DATE = 4/19/2008
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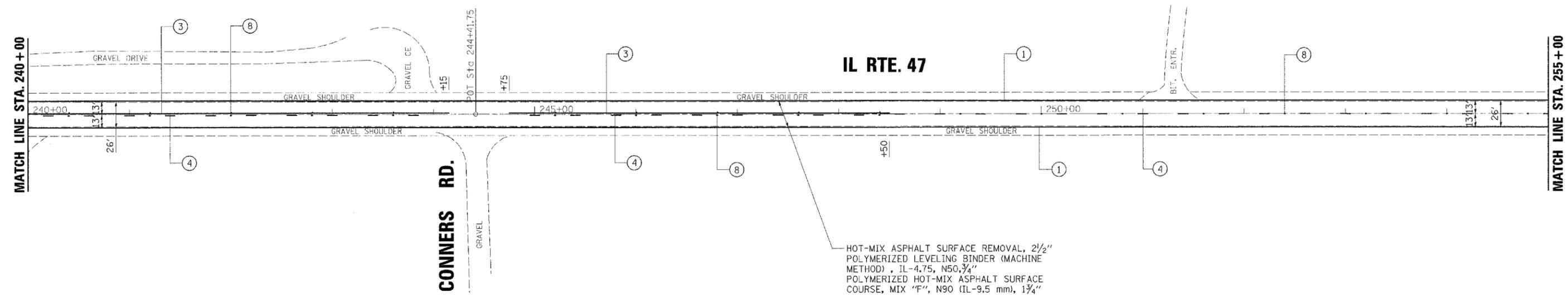
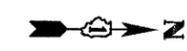
200 West Front Street
 Wheaton, IL 60187

DESIGNED - LCM	REVISED -
DRAWN - JMT	REVISED -
CHECKED - BLB	REVISED -
DATE - 3/28/08	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 47 EXISTING & PROPOSED ROADWAY PLAN	
SCALE: 1"=50'	SHEET NO. 8 OF 11 SHEETS
STA. 210+00 TO STA. 240+00	

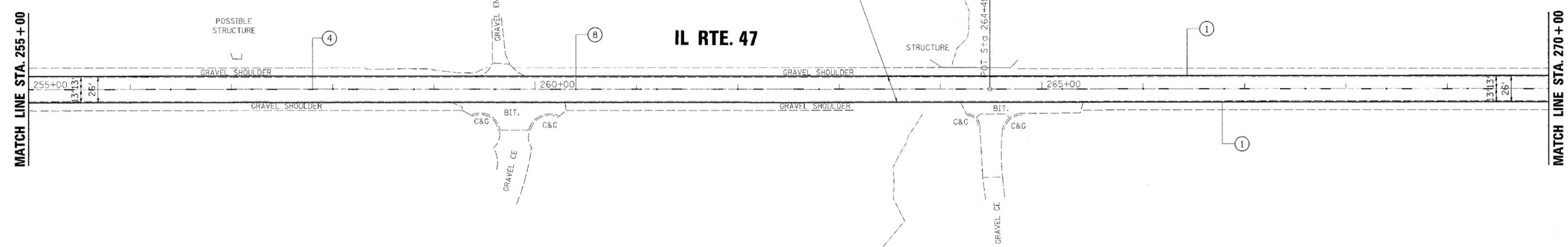
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106X-RS-6	KANE	23	13
CONTRACT NO. 60E19				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



IL RTE. 47

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1 3/4"

CONNERS RD.



HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1 3/4"

IL RTE. 47

REFER TO SHEET 15 OF 15 FOR PAVEMENT MARKING LEGEND

PLOT DATE = 4/18/2009
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200 West Front Street
 Wheaton, IL 60187

DESIGNED - LCM	REVISED -
DRAWN - JMT	REVISED -
CHECKED - BLB	REVISED -
DATE - 3/28/08	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 EXISTING & PROPOSED ROADWAY PLAN**

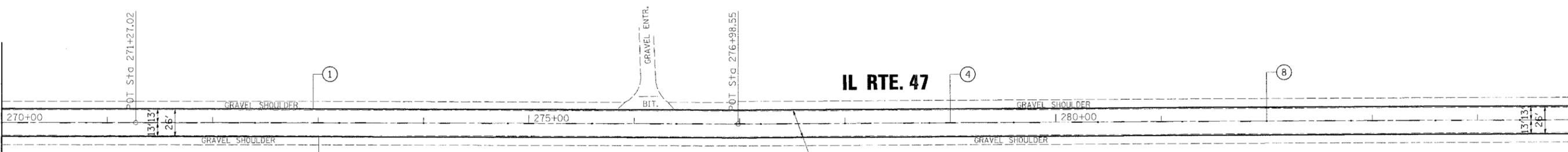
SCALE: 1"=50' SHEET NO. 9 OF 11 SHEETS STA. 240+00 TO STA. 270+00

F.A.P. RTE. 326	SECTION 106X-RS-6	COUNTY KANE	TOTAL SHEETS 23	SHEET NO. 14
CONTRACT NO. 60E19				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 270+00

MATCH LINE STA. 285+00



IL RTE. 47

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1 3/4"

MATCH LINE STA. 285+00

MATCH LINE STA. 300+00



IL RTE. 47

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1 3/4"

CARLETTA ROAD

REFER TO ROADWAY PLAN SHEET 11 OF 11 FOR PAVEMENT MARKING LEGEND

PLOT DATE = 4/18/2008
 FILE NAME = h:\11225584\carletta\11225584.dgn
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 MODEL = Default



200 West Front Street
 Wheaton, IL 60187

DESIGNED - LCM	REVISED -
DRAWN - JMT	REVISED -
CHECKED - BLB	REVISED -
DATE - 3/28/08	REVISED -

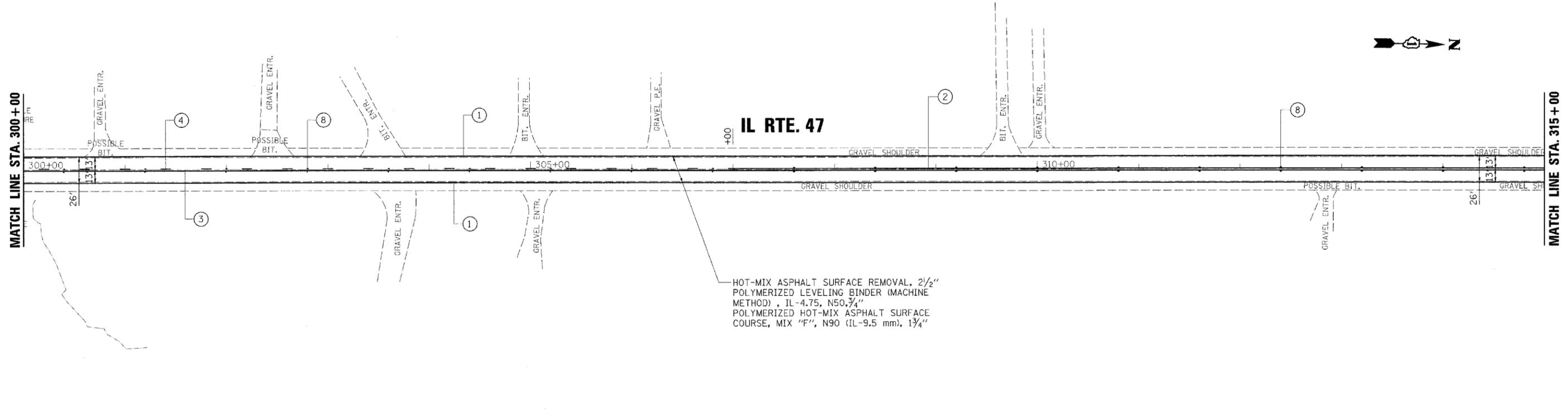
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 47 EXISTING & PROPOSED ROADWAY PLAN	
SCALE: 1"=50'	SHEET NO. 10 OF 11 SHEETS
STA. 270+00 TO STA. 300+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106X-RS-6	KANE	23	15
CONTRACT NO. 60E19				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

MATCH LINE STA. 300+00

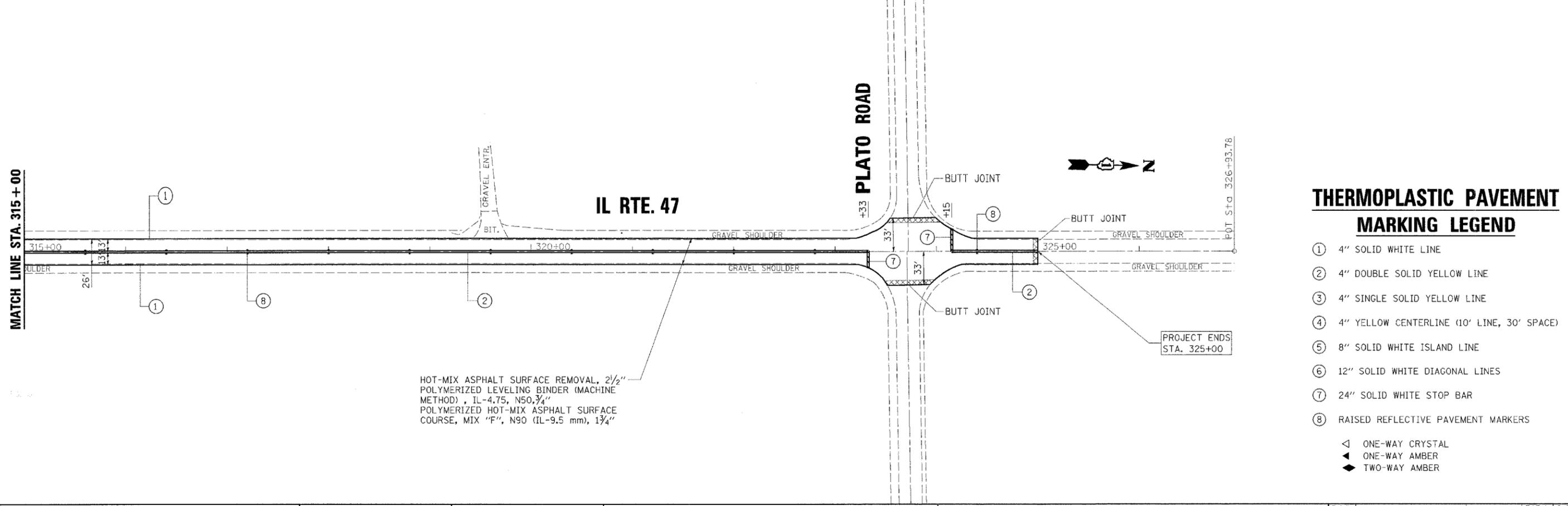
MATCH LINE STA. 315+00



HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
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 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1 3/4"

MATCH LINE STA. 315+00

MATCH LINE STA. 326+93.78



HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5 mm), 1 3/4"

THERMOPLASTIC PAVEMENT MARKING LEGEND

- ① 4" SOLID WHITE LINE
 - ② 4" DOUBLE SOLID YELLOW LINE
 - ③ 4" SINGLE SOLID YELLOW LINE
 - ④ 4" YELLOW CENTERLINE (10' LINE, 30' SPACE)
 - ⑤ 8" SOLID WHITE ISLAND LINE
 - ⑥ 12" SOLID WHITE DIAGONAL LINES
 - ⑦ 24" SOLID WHITE STOP BAR
 - ⑧ RAISED REFLECTIVE PAVEMENT MARKERS
- ◀ ONE-WAY CRYSTAL
 - ▲ ONE-WAY AMBER
 - ◆ TWO-WAY AMBER

FILE DATE = 4/23/2008
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 PLOT SCALE =
 PLOT SHEET =
 PLOT TOTAL SHEETS =



200 West Front Street
 Wheaton, IL 60187

DESIGNED - LCM	REVISED -
DRAWN - JMT	REVISED -
CHECKED - BLB	REVISED -
DATE - 3/28/08	REVISED -

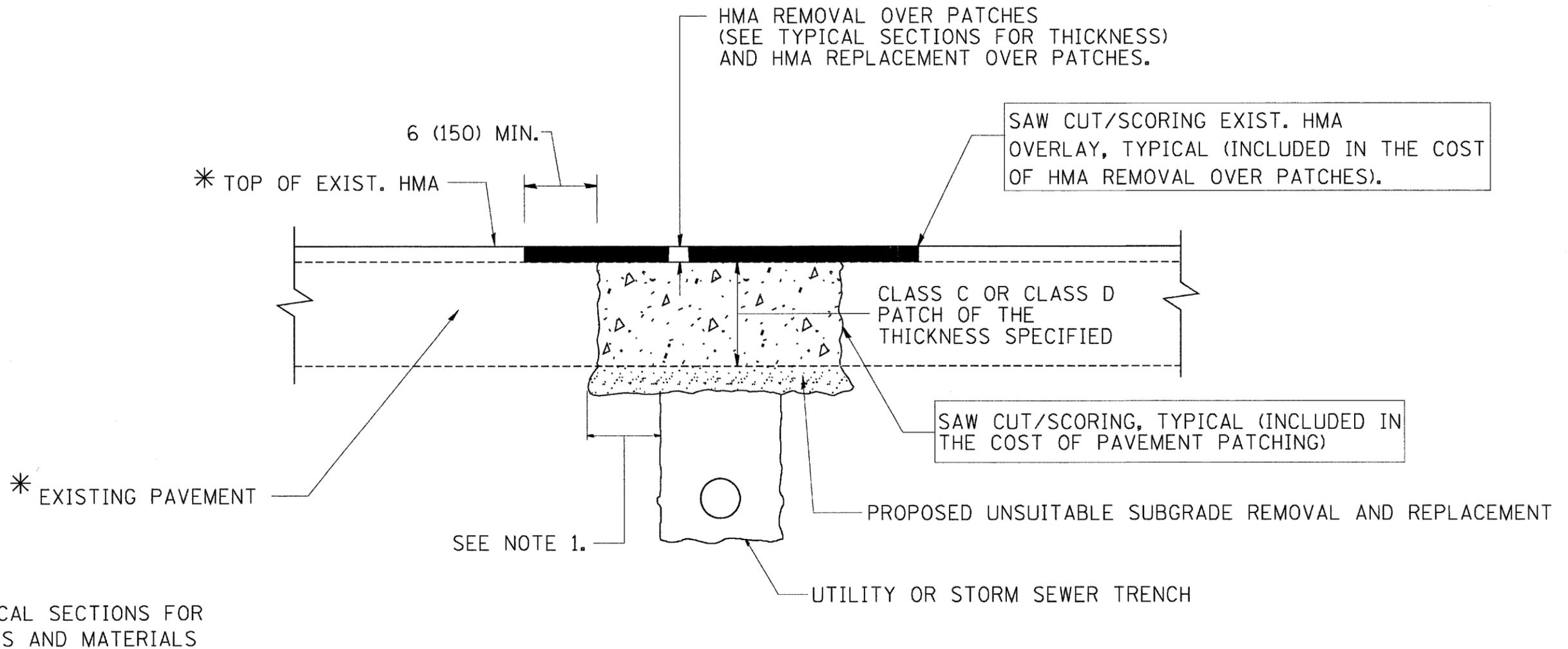
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 47
 EXISTING & PROPOSED ROADWAY PLAN

SCALE: 1"=50' SHEET NO. 11 OF 11 SHEETS STA. 300+00 TO STA. 325+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106X-RS-6	KANE	23	16
CONTRACT NO. 60E19				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



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

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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

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		CHECKED -	REVISED - R. BORO 01-01-07
		DATE - 10-25-94	REVISED - R. BORO 09-04-07

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

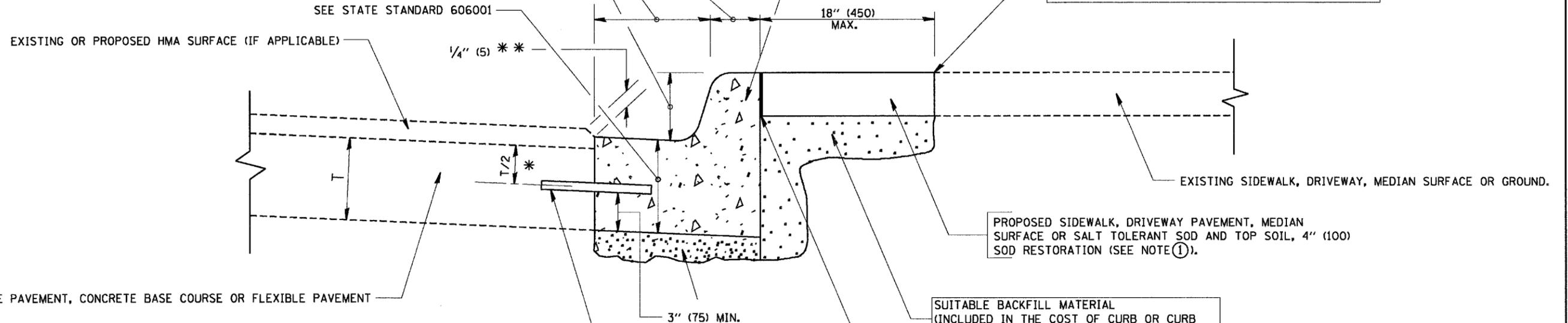
PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	106X-RS-6	KANE	23	17
BD400-04 (BD-22)			CONTRACT NO. 60E19	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

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



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

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

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

SALT TOLERANT SOD AND TOP SOIL, 4" (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

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

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

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

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

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

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

BASIS OF PAYMENT:

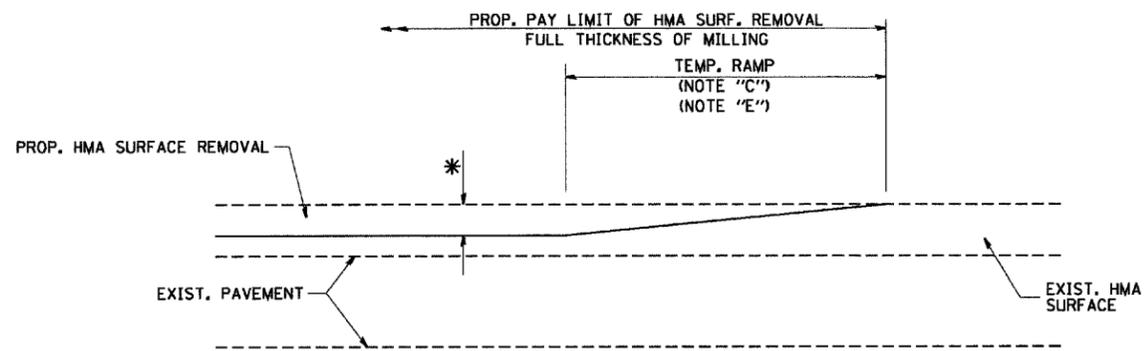
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

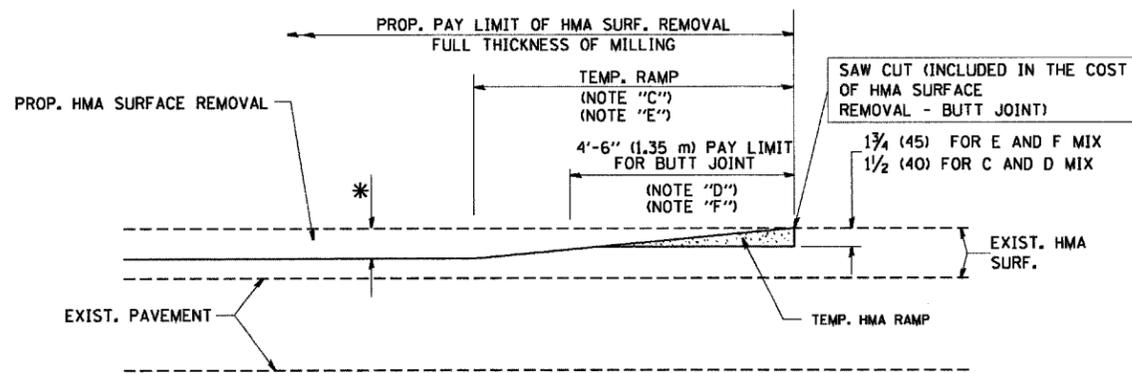
4/18/2008
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PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - A. ABBAS 03-21-97	REVISED - M. GOMEZ 01-22-01		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA. TO STA.	BD600-06 (BD-24)		CONTRACT NO. 60E19	
PLOT DATE = 1/4/2008	DATE - 03-11-94	REVISED - R. BORO 01-01-07			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



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

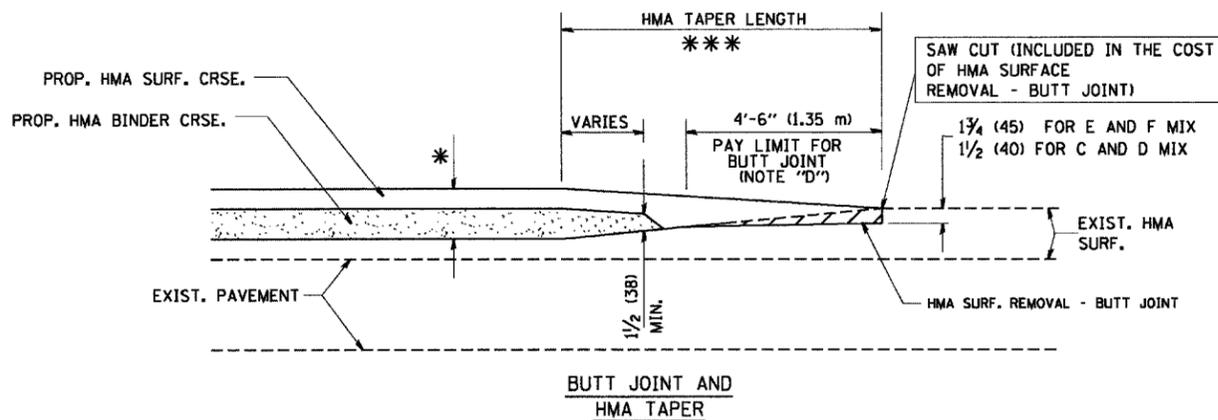
OPTION 1



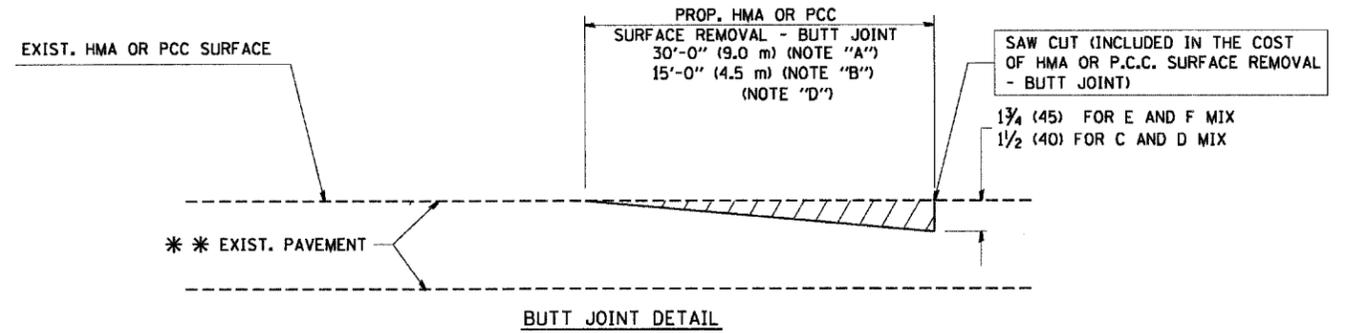
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

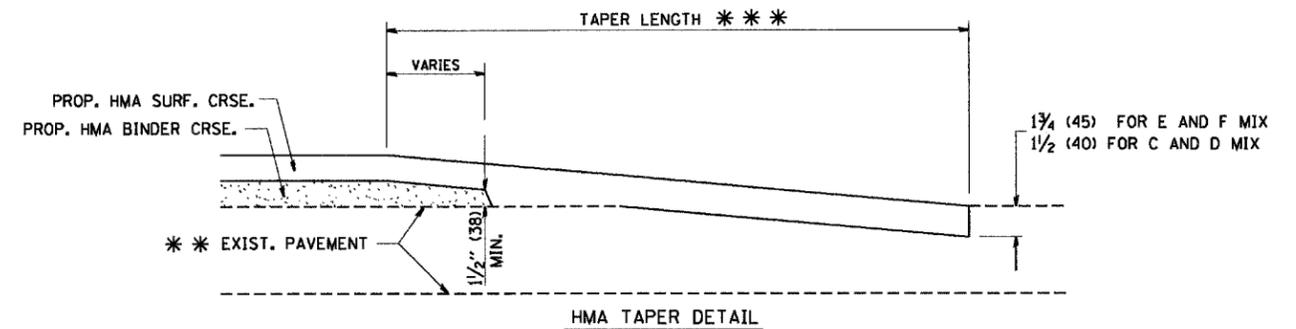
TYPICAL TEMPORARY RAMP



**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.

4/18/2008
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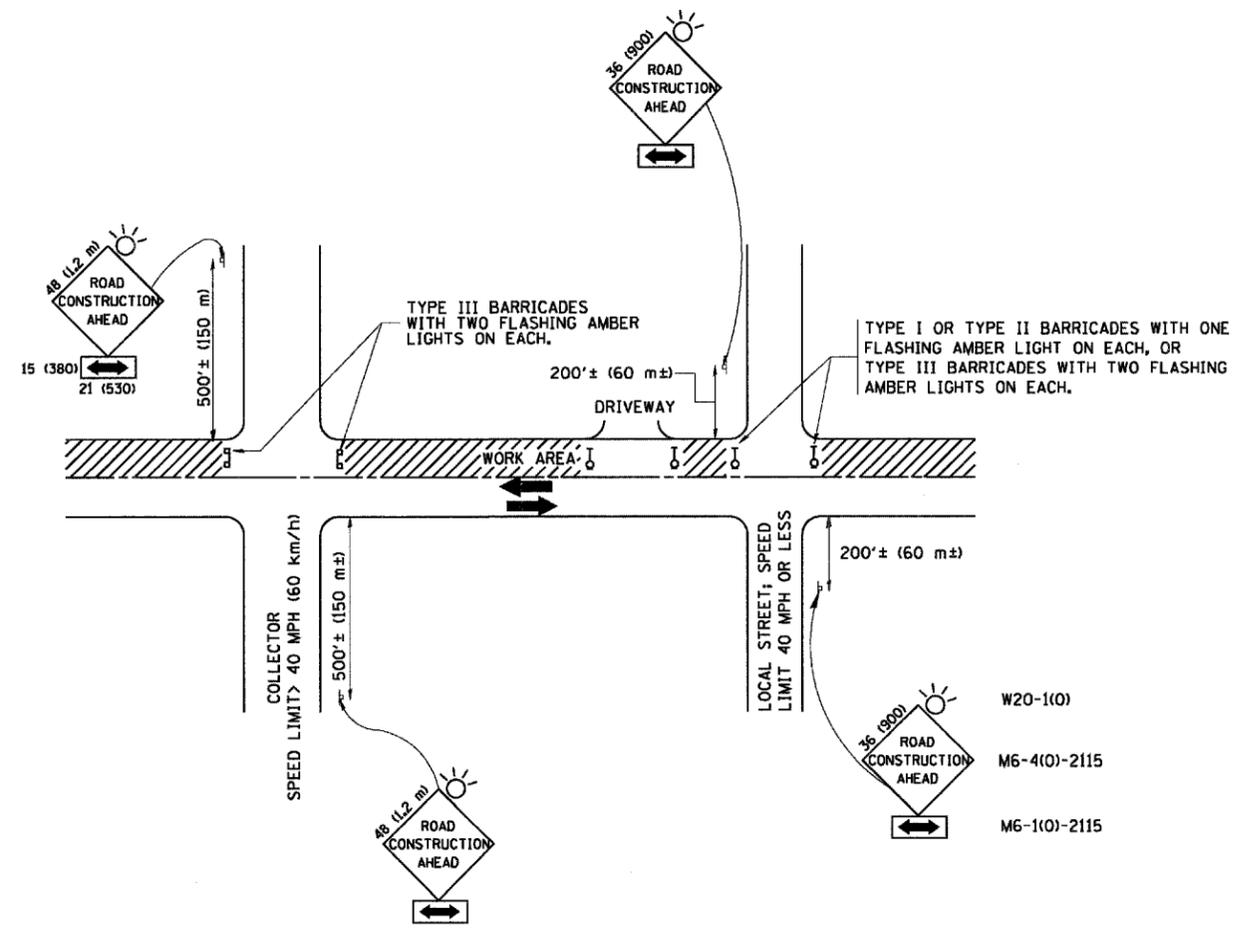
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	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**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	106X-RS-6	KANE	23	19
BD400-05 BD32			CONTRACT NO. 60E19	
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.

W20-1(O)
M6-4(O)-2115
M6-1(O)-2115

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

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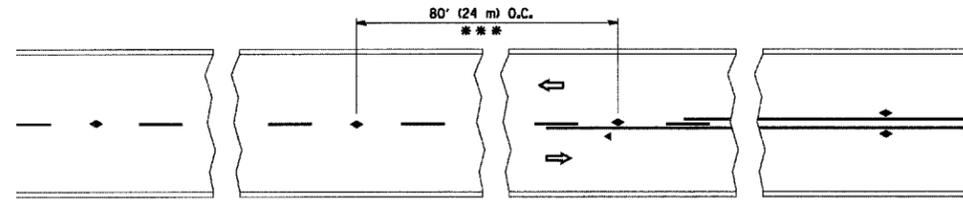
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		CHECKED -	REVISED - A. HOUSEH 10-15-96
PLOT DATE = 1/4/2008		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

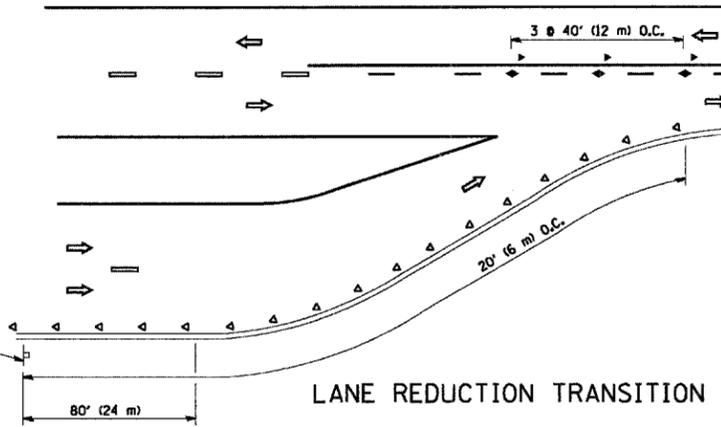
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TC-10			CONTRACT NO. 60E19	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

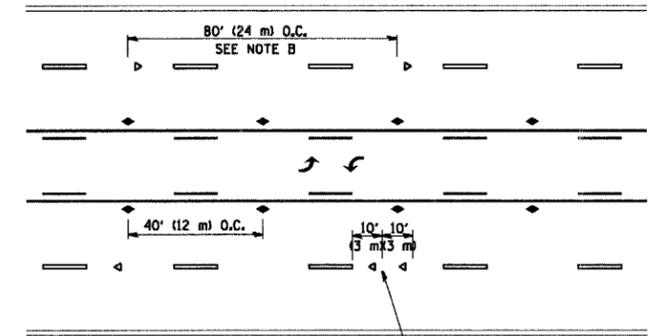


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

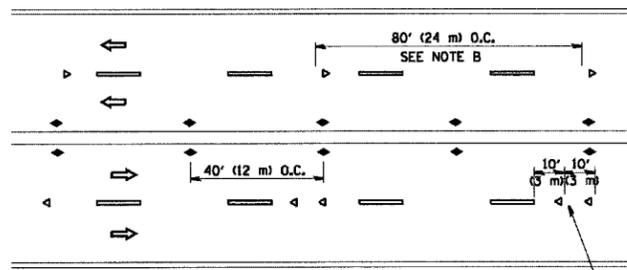
TWO-LANE/TWO-WAY



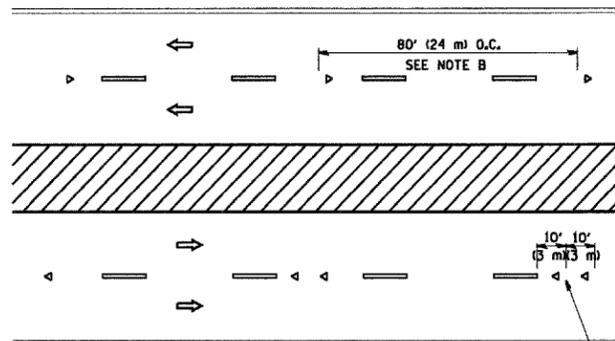
LANE REDUCTION TRANSITION



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

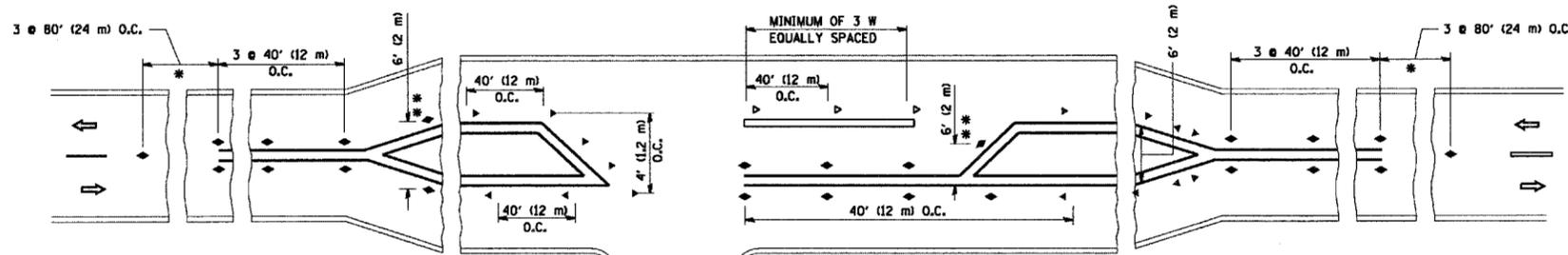
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- 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.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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 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.



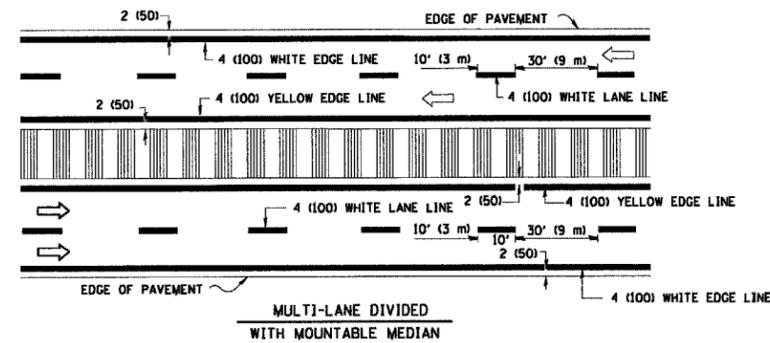
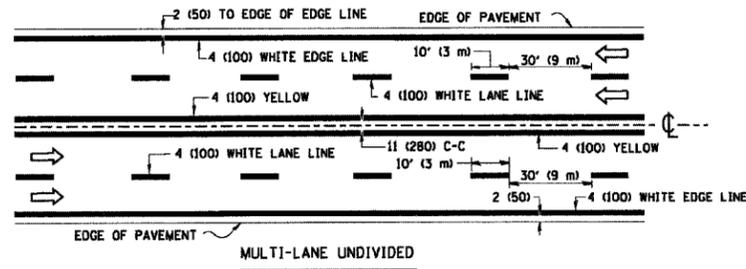
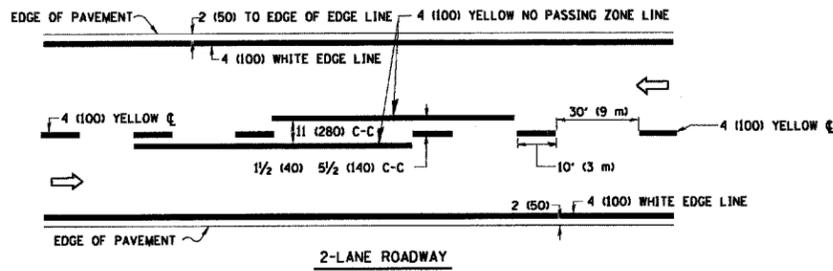
LEFT TURN

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

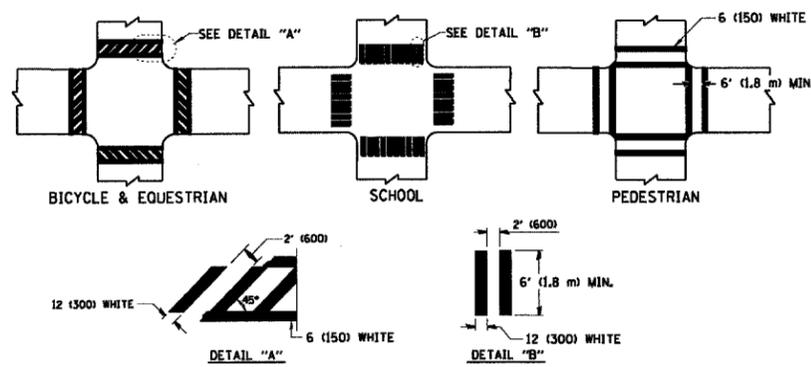
All dimensions are in inches (millimeters) unless otherwise shown.

4/18/2008
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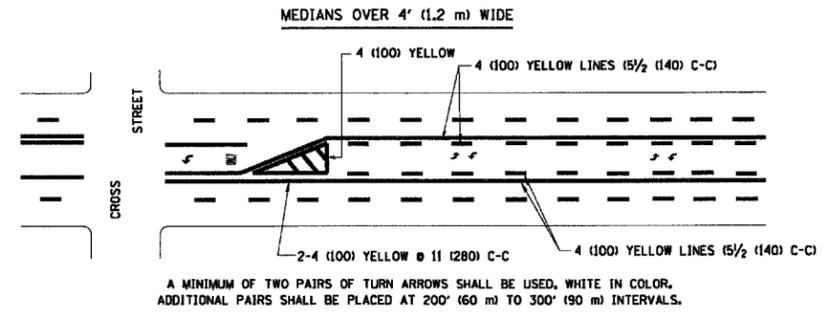
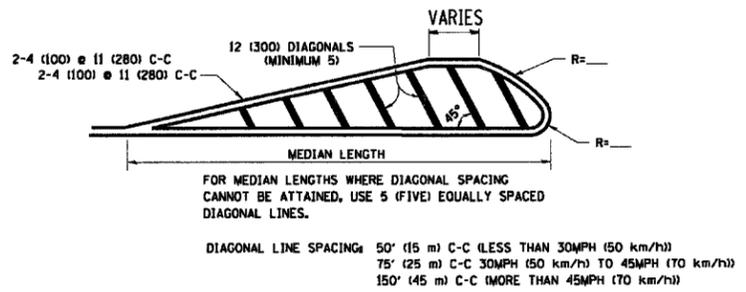
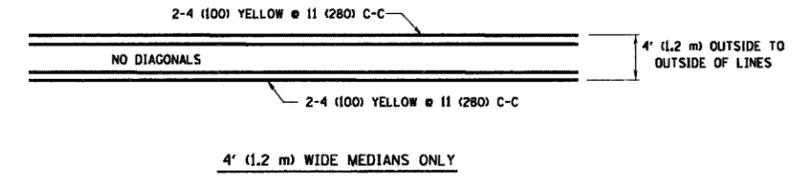
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					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	TC-11		CONTRACT NO. 60E19	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT											



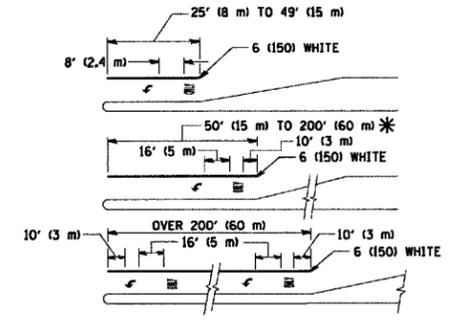
TYPICAL LANE AND EDGE LINE MARKING



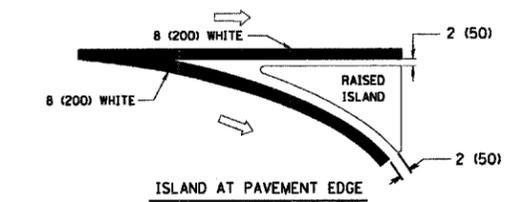
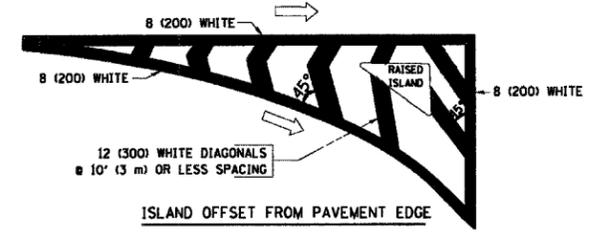
TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING



TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

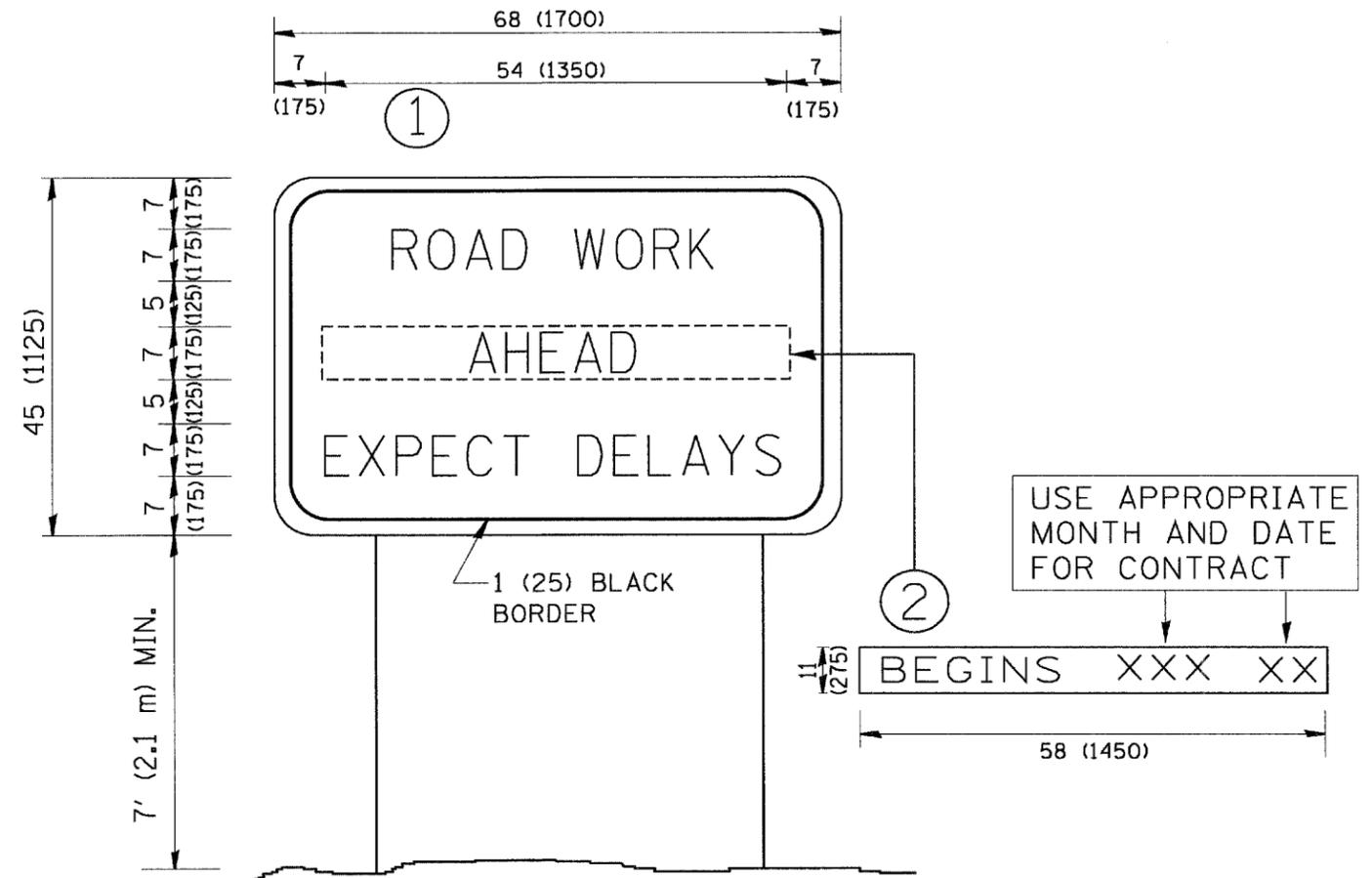
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (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 18' (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 1/2 (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 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" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD T80001 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 T80001.

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

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	PLOT DATE = 1/4/2008	CHECKED -	REVISED - A. HOUSEH 10-17-96		FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT						
		DATE = 03-19-90	REVISED - T. RAMMACHER 01-06-00								



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.

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PLOT DATE = 1/4/2008	DATE -					TC-22		CONTRACT NO. 60E19		