

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

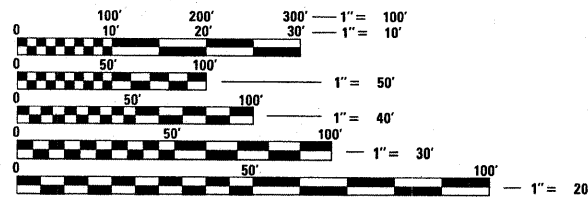
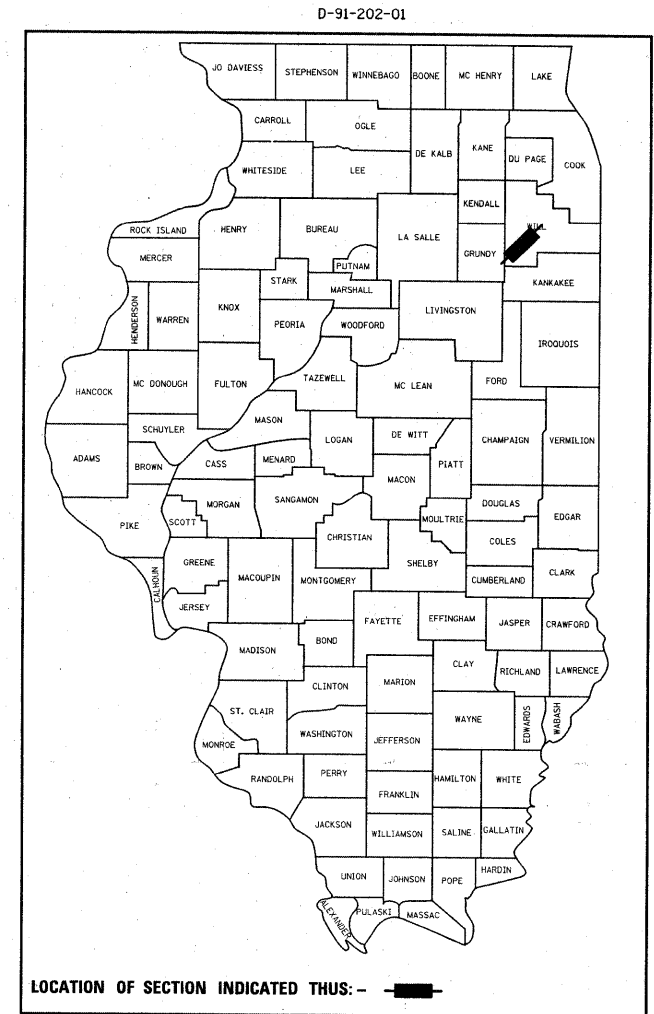
F.A.P. ROUTE 846
FIRST ST. TO GRUNDY COUNTY LINE
SECTION: 5RS-2
RESURFACING (3P)

WILL COUNTY
C-91-202-03

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	5RS-2	WILL	31	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 62648		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE CITY OF
BRAIDWOOD, THE CITY OF WILMINGTON
AND THE VILLAGE OF GODLEY



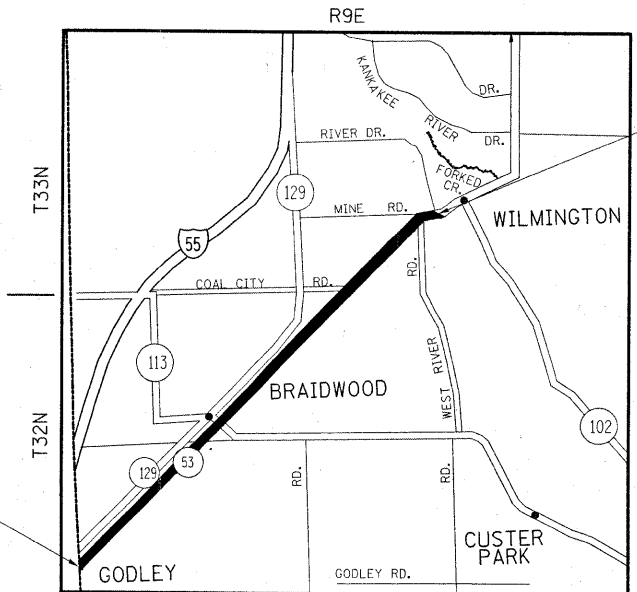
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

OMISSION:
STA. 111+13.97 TO STA. 111+65.61

PROJECT BEGINS:
STA 50+00

PROJECT ENDS:
STA 410+53.62



REED, WILMINGTON, CUSTER TOWNSHIP

TRAFFIC DATA:
2006 ADT = 10,020
SPEED LIMIT = 35 MPH /55 MPH

PROJECT ENGINEER: J.P. CHANG (847) 705-4432
PROJECT MANAGER: KEN ENG

CONTRACT NO. 62648

GROSS LENGTH OF PROJECT = 36,002.69 FT. = 6.82 MILE
NET LENGTH OF PROJECT = 35,882.69 FT. = 6.80 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED MARCH 10, 2009

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

May 1, 2009
Charles G. Dransfield
ENGINEER OF DESIGN AND ENVIRONMENT

May 1, 2009
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

- 1. COVER SHEET
- 2. INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES
- 3. SUMMARY OF QUANTITIES
- 4-5. TYPICAL SECTIONS
- 6-18. ROADWAY AND PAVEMENT MARKING PLANS
- 19. TRAFFIC SIGNAL AND DETECTOR LOOP REPLACEMENT
- 20-31. DISTRICT ONE DETAILS

STATE STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 442201-03 CLASS C AND D PATCHES
- 604001-03 FRAME AND LIDS, TYPE 1
- 635006-03 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 701006-03 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
- 701011-02 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701201-03 LANE CLOSURE, 2L, 2W, DAY ONLY FOR SPEEDS > 45 MPH
- 701301-03 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-02 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS
- 886001-01 DETECTOR LOOP INSTALLATIONS
- 886006-01 TYPICAL LAYOUT FOR DETECTION LOOPS
- 781001-03

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

10' (3M) TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB & GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB & GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF BRAIDWOOD, THE CITY OF WILMINGTON, AND THE VILLAGE OF GODLEY.

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

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2" (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80KM/H) OR LESS AND 1" (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" (75MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED AT 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 HMA TAPER DETAILS" SHEET, WHICH IS INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

THE RESIDENT ENGINEER SHOULD CONTACT CORA MATHIS, AREA TRAFFIC FIELD ENGINEER, AT (815) 485-6475 PRIOR TO INSTALLING ANY PERMANENT PAVEMENT MARKING.

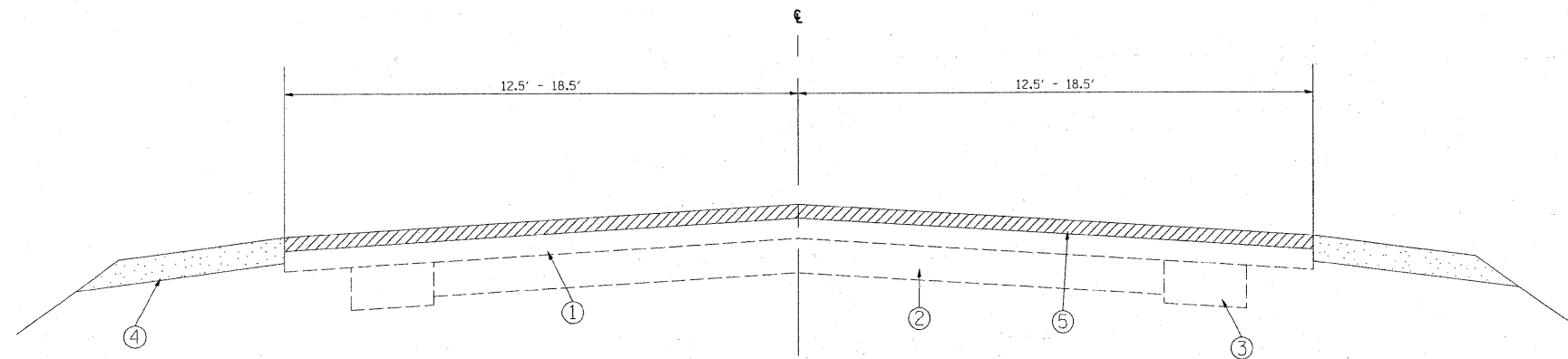
THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

FILE NAME =	USER NAME = mossse	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwwork\PHIDOT\MOSSE\10110419\sh_r.dwg		DRAWN -	REVISED -		846	5RS-2	WILL	31	2				
PLOT SCALE = 50,00000 ' / IN.		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 62648				
PLOT DATE = 3/26/2009		DATE -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			URBAN 100% STATE		CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			URBAN 100% STATE		CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	1000						CODE NO	ITEM	UNIT	TOTAL QUANTITIES	1000					
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	86	86						*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	81407	81407					
40600300	AGGREGATE (PRIME COAT)	TON	430	430						*78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	800	800					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	34	34						*78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	55	55					
40600895	CONSTRUCTING TEST STRIP	EACH	2	2						*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	100	100					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	304	304						*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	387	387					
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	8863	8863						*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	596	596					
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	105587	105587						*78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	380	380					
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SO YD	6330	6330						*88600600	DETECTOR LOOP REPLACEMENT	FOOT	460	460					
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SO YD	4220	4220						X0322256	TEMPORARY INFORMATION SIGNING	SO FT	437	437					
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2335	2335						X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	4300	4300					
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	1	1						Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1					
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1	1						* SPECIALTY ITEMS									
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4															
67100100	MOBILIZATION	L SUM	1	1															
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1															
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1															
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10															
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	3700	3700															
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	334	334															
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	81407	81407															
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	800	800															
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	55	55															
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	100	100															
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	387	387															
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	1235	1235															
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	334	334															

EXISTING TYPICAL CROSS SECTION

UNCURBED SECTION

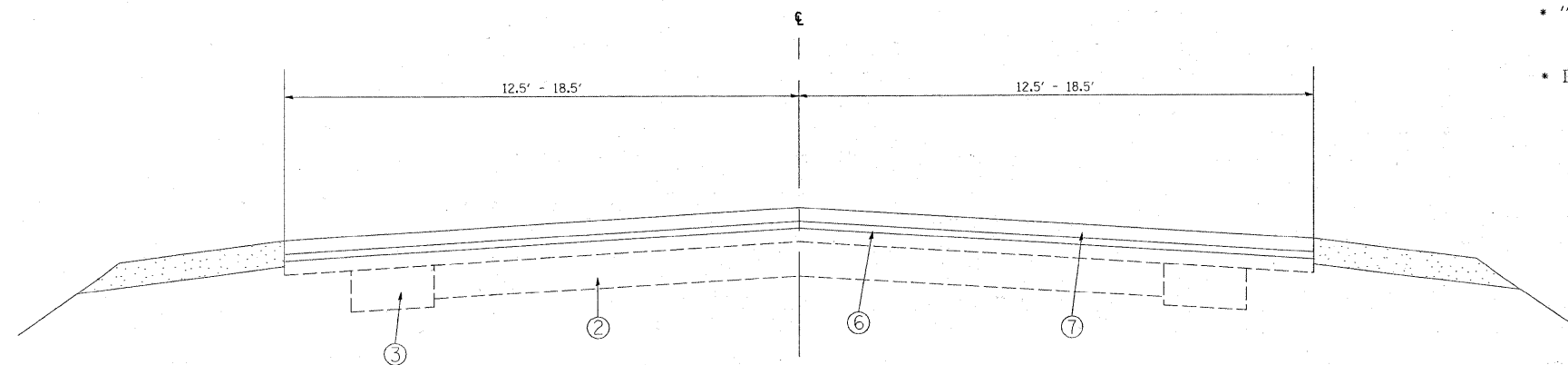


LEGEND

- ① EXISTING HOT-MIX ASPHALT SURFACE COURSE ($\pm 8''$) (BEFORE MILLING)
- ② EXISTING PCC BASE COURSE (7'')
- ③ EXISTING PCC BASE COURSE WIDENING
- ④ EXISTING AGGREGATE SHOULDERS
- ⑤ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL (2 1/4'')
- ⑥ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4''
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2''

PROPOSED TYPICAL CROSS SECTION

UNCURBED SECTION

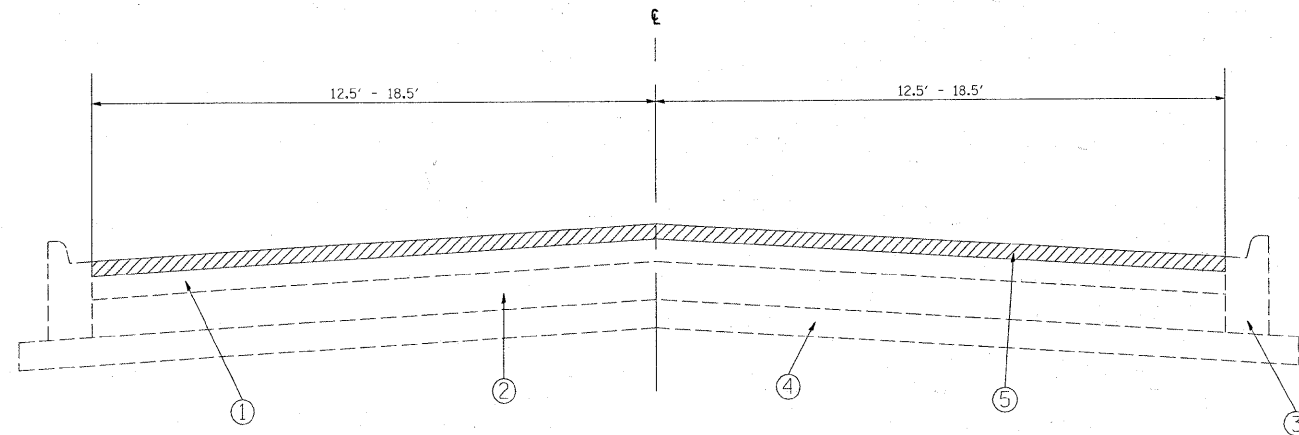


MIXTURE REQUIREMENTS		
MIXTURE USES	AC / PG	DESIGN AIR VOIDS
POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50	SBS/SBR PG76-28/-22	4% AT 50 GYRATIONS
HMA SURFACE COURSE, MIX "D", N70 (IL-9.5mm)	PG 64-22	4% AT 70 GYRATIONS
CLASS D PATCHING (Binder IL-19mm)	PG 64-22*	4% AT 70 GYRATIONS

- THE UNIT WEIGHT USED TO CALCULATE ALL SURFACE MIXTURE QUANTITY IS 112 LBS/SY/IN
- "WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PC 58 -22"
- IN ACCORDANCE WITH THIS PROJECT, THE CONTRACTOR SHALL MILL FIRST

EXISTING TYPICAL CROSS SECTION

CURBED SECTION:
STA. 401+81.2 TO STA. 410+53.62



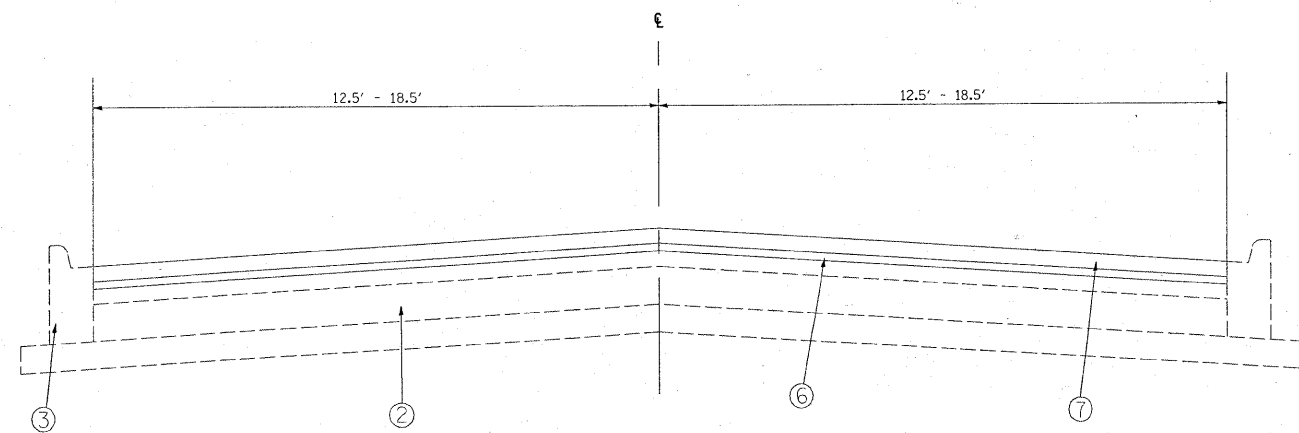
* CURB & GUTTER (RIGHT) BEGINS STA. 403+94.6

LEGEND

- ① EXISTING HOT-MIX ASPHALT SURFACE COURSE (± 8") (BEFORE MILLING)
- ② EXISTING PCC BASE COURSE (7")
- ③ EXISTING COMBINATION CURB & GUTTER
- ④ EXISTING STABILIZED SUBBASE 6"
- ⑤ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL (2 1/4")
- ⑥ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"

PROPOSED TYPICAL CROSS SECTION

CURBED SECTION:
STA. 401+81.2 TO STA. 410+53.62

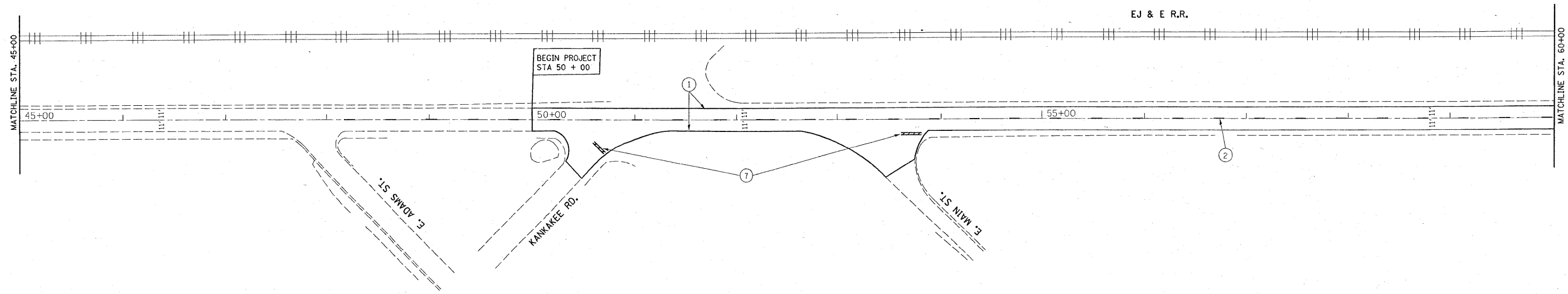
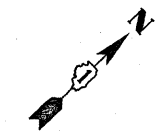


* CURB & GUTTER (RIGHT) BEGINS STA. 403+94.6

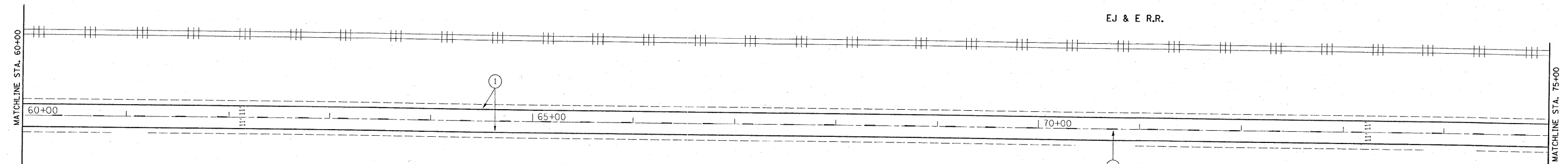
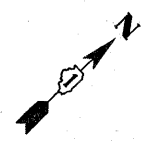
FILE NAME =	USER NAME = mosse	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
es:\pw_work\PWIDOT\MOSSE\0110419\sh_r.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	846	5RS-2	WILL	31	5
		CHECKED -	REVISED -						CONTRACT NO. 62648						
		DATE -	REVISED -						FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT						

STRIPING LEGEND

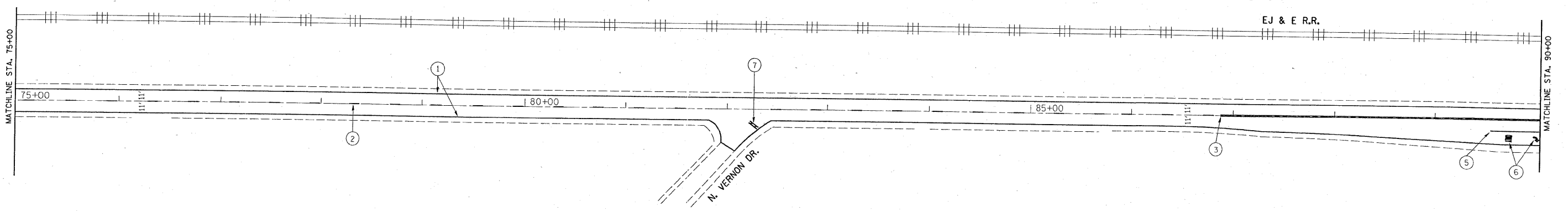
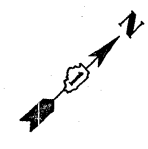
- ① 4" EDGE LINE - WHITE
- ② 4" SKIP DASH CENTERLINE - YELLOW
- ③ 4" SOLID CENTERLINE - YELLOW
- ④ 4" DOUBLE - YELLOW
- ⑤ 6" TURN LANE - WHITE
- ⑥ LETTERS & SYMBOLS - WHITE
- ⑦ 24" STOP BAR - WHITE
- ⑧ 8" ISLAND OUTLINE - WHITE
- ⑨ 12" DIAGONALS - YELLOW



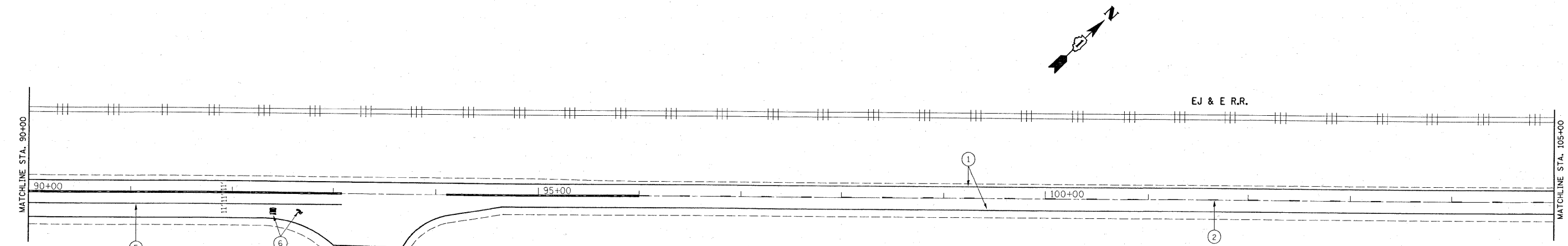
FILE NAME =	USER NAME = mossae	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 53 (FIRST ST. TO WILL COUNTY LINE) ROADWAY PLAN			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw\work\PWIDOT\MOSSAE\08110419\sh.rd	gdn	DRAWN -	REVISED -					846	5RS-2	WILL	31	6
	PLOT SCALE = 50:1,000 1" / IN.	CHECKED -	REVISED -		SCALE: 1" = 50'			SHEET NO. OF SHEETS		STA. 30+00.00 TO STA. 60+00.00		
	PLOT DATE = 3/26/2009	DATE -	REVISED -		FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT			CONTRACT NO. 62648	



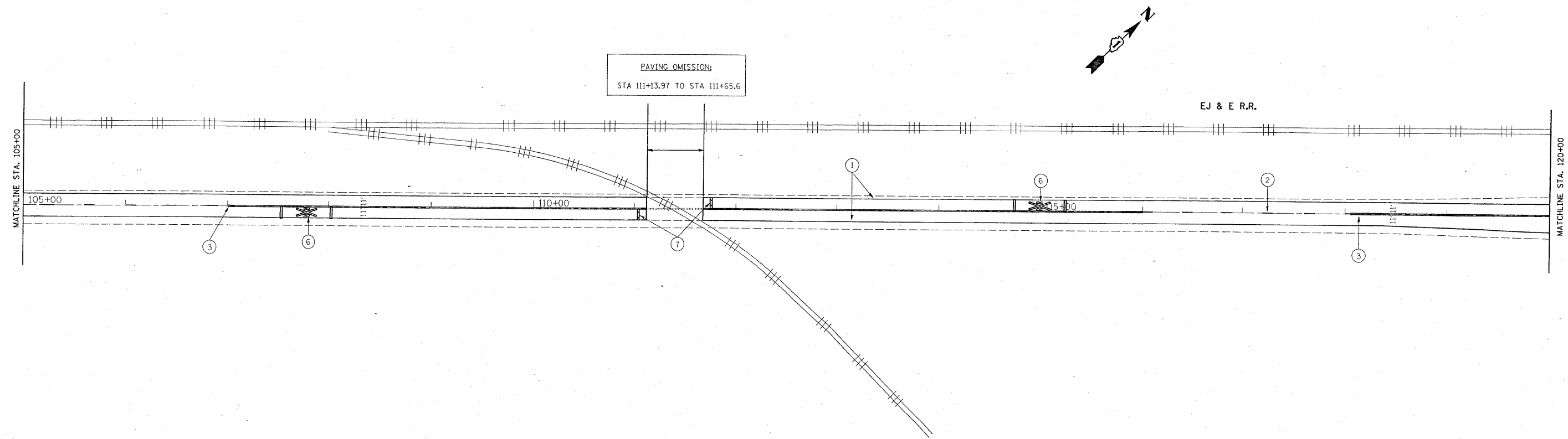
- STRIPING LEGEND**
- ① 4" EDGE LINE - WHITE
 - ② 4" SKIP DASH CENTERLINE - YELLOW
 - ③ 4" SOLID CENTERLINE - YELLOW
 - ④ 4" DOUBLE - YELLOW
 - ⑤ 6" TURN LANE - WHITE
 - ⑥ LETTERS & SYMBOLS - WHITE
 - ⑦ 24" STOP BAR - WHITE
 - ⑧ 8" ISLAND OUTLINE - WHITE
 - ⑨ 12" DIAGONALS - YELLOW



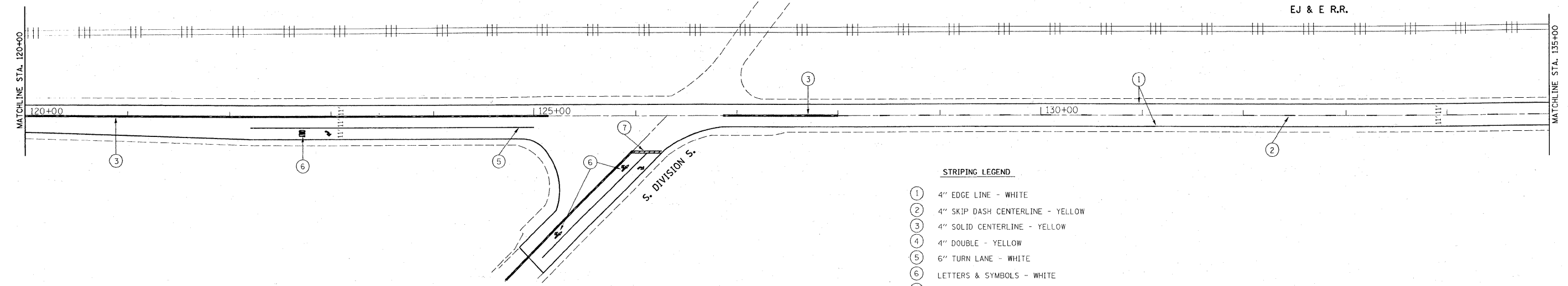
FILE NAME = c:\pwork\pwi001\MOSSSE\d0118419\sh.dgn	USER NAME = mossse	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 53 (FIRST ST. TO WILL COUNTY LINE) ROADWAY PLAN			F.A. RTE. 846	SECTION 5RS-2	COUNTY WILL	TOTAL SHEETS 31	SHEET NO. 7
	PLOT SCALE = 50:0.0000 '1' / IN.	DRAWN -	REVISED -		SCALE: 1" = 50'	SHEET NO. OF SHEETS	STA. 60+00.00 TO STA. 90+00.00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
	PLOT DATE = 3/26/2009	CHECKED -	REVISED -		CONTRACT NO. 62648							
		DATE -	REVISED -									



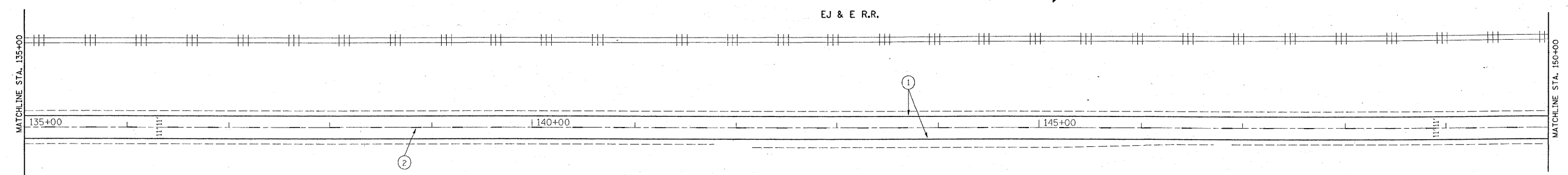
- STRIPING LEGEND**
- ① 4" EDGE LINE - WHITE
 - ② 4" SKIP DASH CENTERLINE - YELLOW
 - ③ 4" SOLID CENTERLINE - YELLOW
 - ④ 4" DOUBLE - YELLOW
 - ⑤ 6" TURN LANE - WHITE
 - ⑥ LETTERS & SYMBOLS - WHITE
 - ⑦ 24" STOP BAR - WHITE
 - ⑧ 8" ISLAND OUTLINE - WHITE
 - ⑨ 12" DIAGONALS - YELLOW



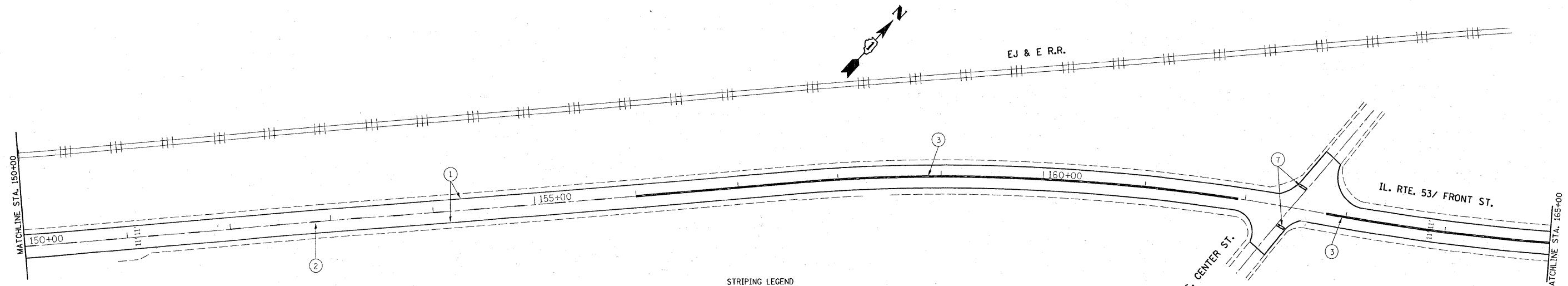
FILE NAME =	USER NAME = mossse	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 53 (FIRST ST. TO WILL COUNTY LINE) ROADWAY PLAN	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pw_work\PWIDOT\MOSSSE\10110419\sh_r.dwg	PLOT SCALE = 500.00000 ' / IN.	DRAWN -	REVISED -			846	5RS-2	WILL	31	8	
	PLOT DATE = 3/26/2009	CHECKED -	REVISED -			CONTRACT NO. 62648					
		DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					



- STRIPING LEGEND**
- ① 4" EDGE LINE - WHITE
 - ② 4" SKIP DASH CENTERLINE - YELLOW
 - ③ 4" SOLID CENTERLINE - YELLOW
 - ④ 4" DOUBLE - YELLOW
 - ⑤ 6" TURN LANE - WHITE
 - ⑥ LETTERS & SYMBOLS - WHITE
 - ⑦ 24" STOP BAR - WHITE
 - ⑧ 8" ISLAND OUTLINE - WHITE
 - ⑨ 12" DIAGONALS - YELLOW



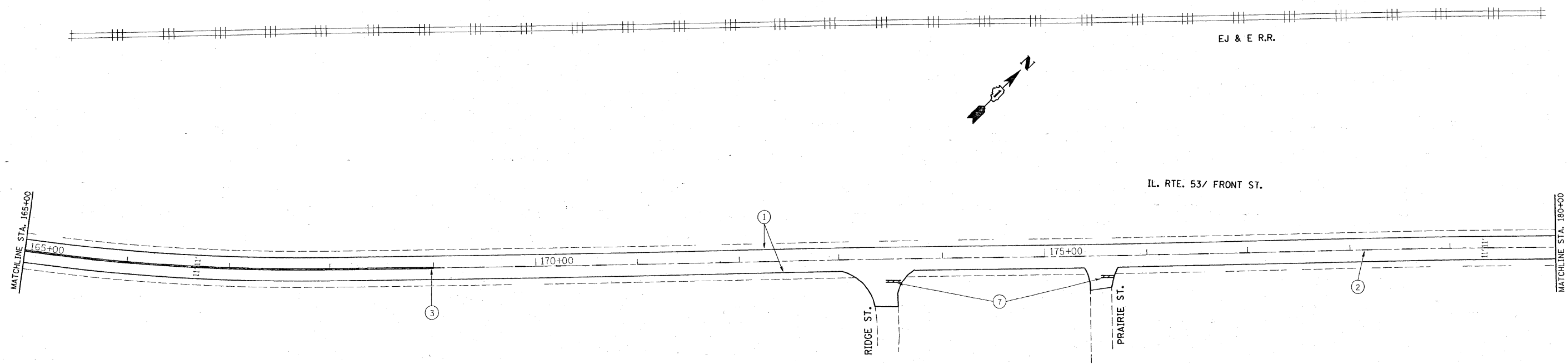
FILE NAME = c:\pwork\pwidot\MOSSSE\0110419\sh_r.dgn	USER NAME = mossse	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 53 (FIRST ST. TO WILL COUNTY LINE) ROADWAY PLAN		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50:1,000.0' / IN.	CHECKED -	REVISED -				846	5RS-2	WILL	31	9
	PLOT DATE = 3/26/2009	DATE -	REVISED -				CONTRACT NO. 62648				
							SCALE: 1" = 50'		SHEET NO. OF SHEETS STA. 120+00.00 TO STA. 150+00.00		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



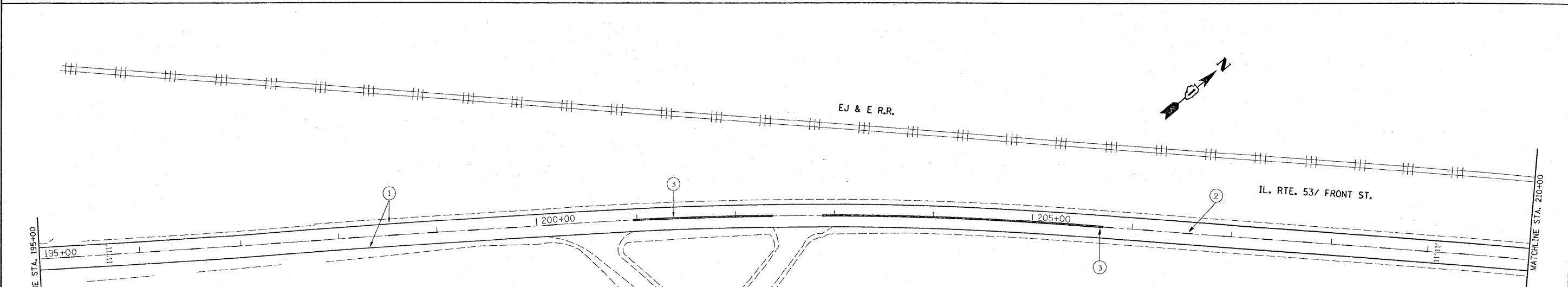
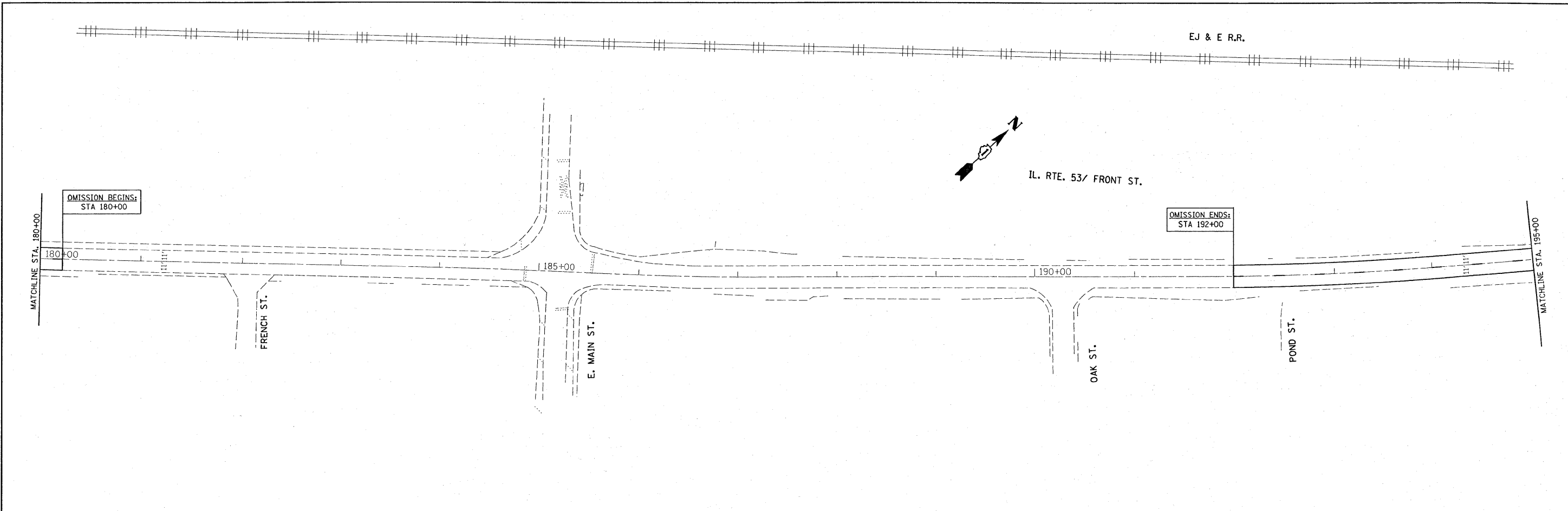
BRAIDWOOD NUCLEAR PLANT

STRIPING LEGEND

- ① 4" EDGE LINE - WHITE
- ② 4" SKIP DASH CENTERLINE - YELLOW
- ③ 4" SOLID CENTERLINE - YELLOW
- ④ 4" DOUBLE - YELLOW
- ⑤ 6" TURN LANE - WHITE
- ⑥ LETTERS & SYMBOLS - WHITE
- ⑦ 24" STOP BAR - WHITE
- ⑧ 8" ISLAND OUTLINE - WHITE
- ⑨ 12" DIAGONALS - YELLOW

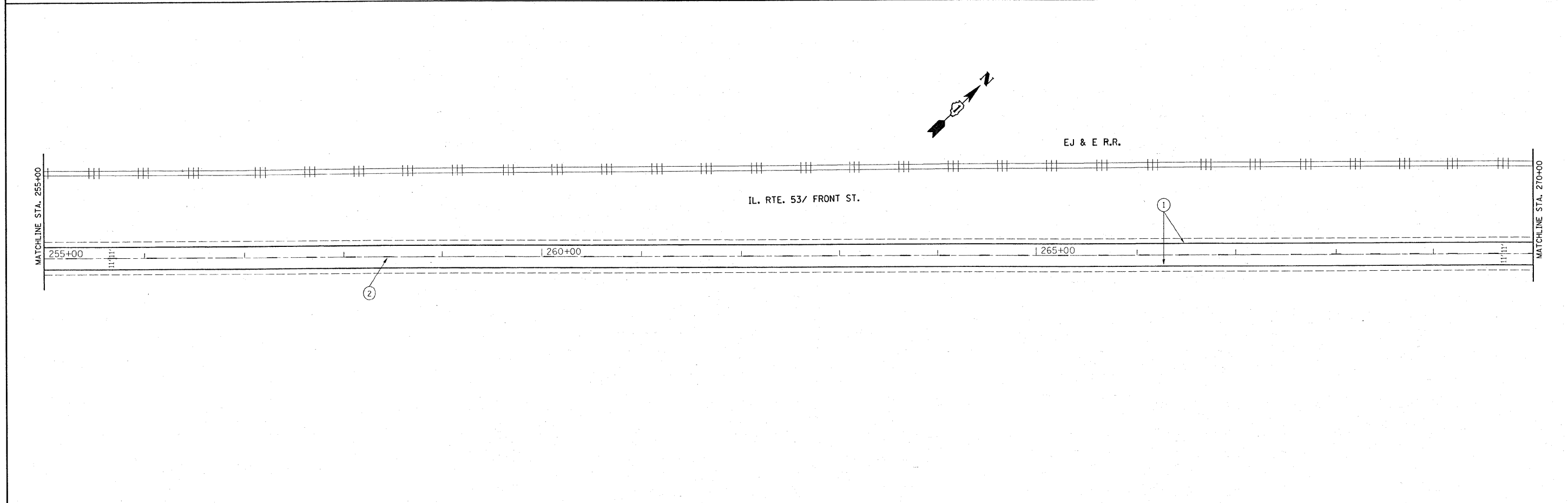
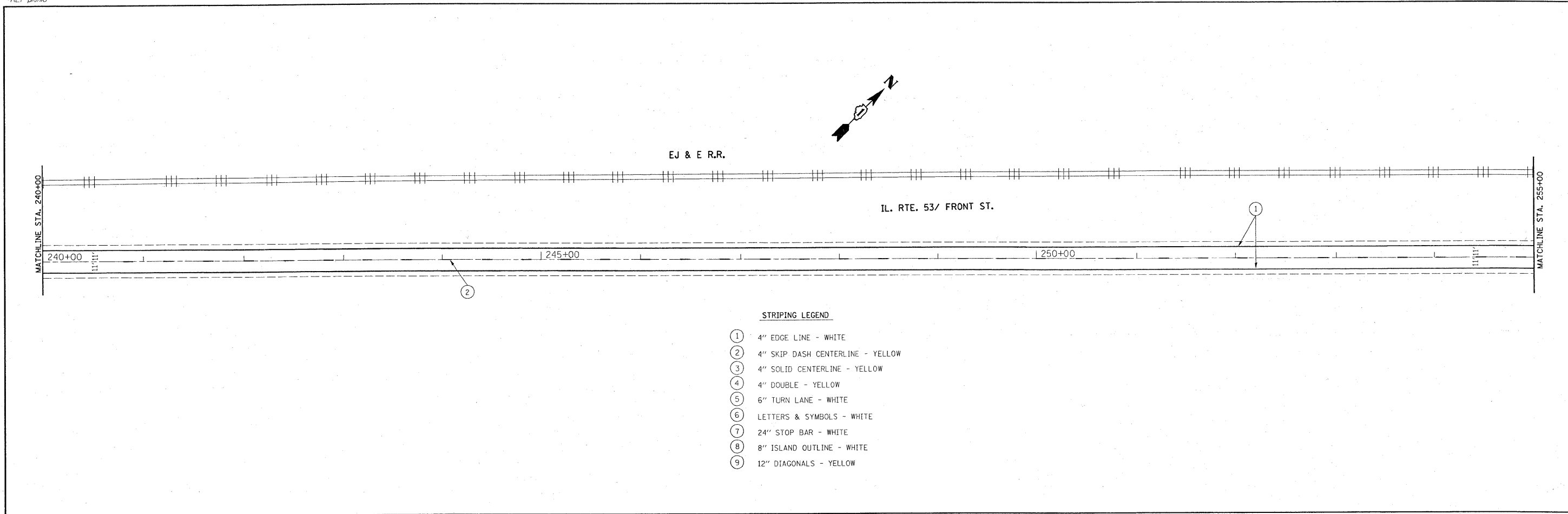


FILE NAME =	USER NAME = mosse	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 53 (FIRST ST. TO WILL COUNTY LINE) ROADWAY PLAN			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw_work\PWIDOT\MOSSE\d0110419\sh_rdn.dgn		DRAWN -	REVISED -		846	5RS-2	WILL	31	10			
PLOT SCALE = 50=0.0000 ' / IN.		CHECKED -	REVISED -		SCALE: 1" = 50'			SHEET NO. OF SHEETS STA. 150+00.00 TO STA. 180+00.00		CONTRACT NO. 62648		
PLOT DATE = 3/26/2009		DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

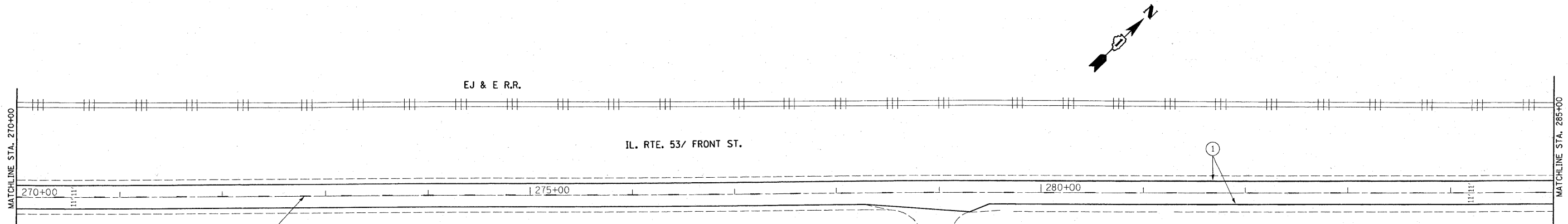


- STRIPING LEGEND**
- ① 4" EDGE LINE - WHITE
 - ② 4" SKIP DASH CENTERLINE - YELLOW
 - ③ 4" SOLID CENTERLINE - YELLOW
 - ④ 4" DOUBLE - YELLOW
 - ⑤ 6" TURN LANE - WHITE
 - ⑥ LETTERS & SYMBOLS - WHITE
 - ⑦ 24" STOP BAR - WHITE
 - ⑧ 8" ISLAND OUTLINE - WHITE
 - ⑨ 12" DIAGONALS - YELLOW

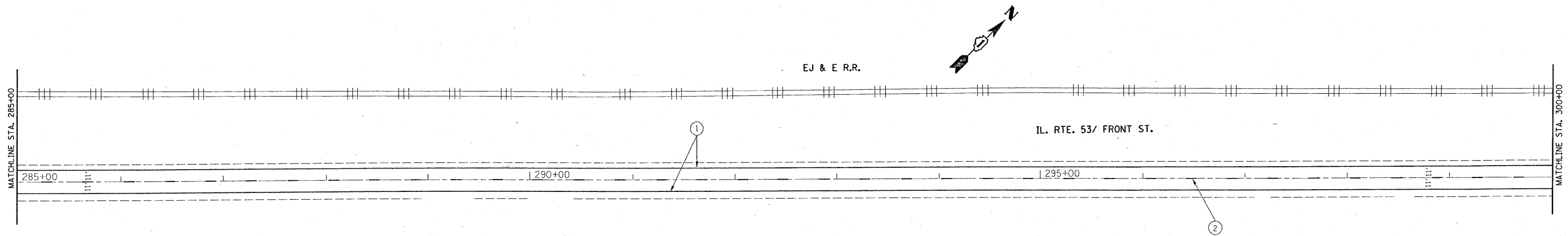
FILE NAME = c:\pwwork\p\WIDOT\MOSSSE\0110419\sh_r.dwg	USER NAME = mossse	DESIGNED -	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 53 (FIRST ST. TO WILL COUNTY LINE) ROADWAY PLAN	F.A. RTE. 846	SECTION 5RS-2	COUNTY WILL	TOTAL SHEETS 31	SHEET NO. 11	
PLOT SCALE = 50:0.0000 1" / IN.	CHECKED -	REVISIONS -	SCALE: 1" = 50'			SHEET NO. OF SHEETS	STA. 180+00.00 TO STA. 210+00.00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
PLOT DATE = 3/26/2009	DATE -	REVISIONS -	CONTRACT NO. 62648								



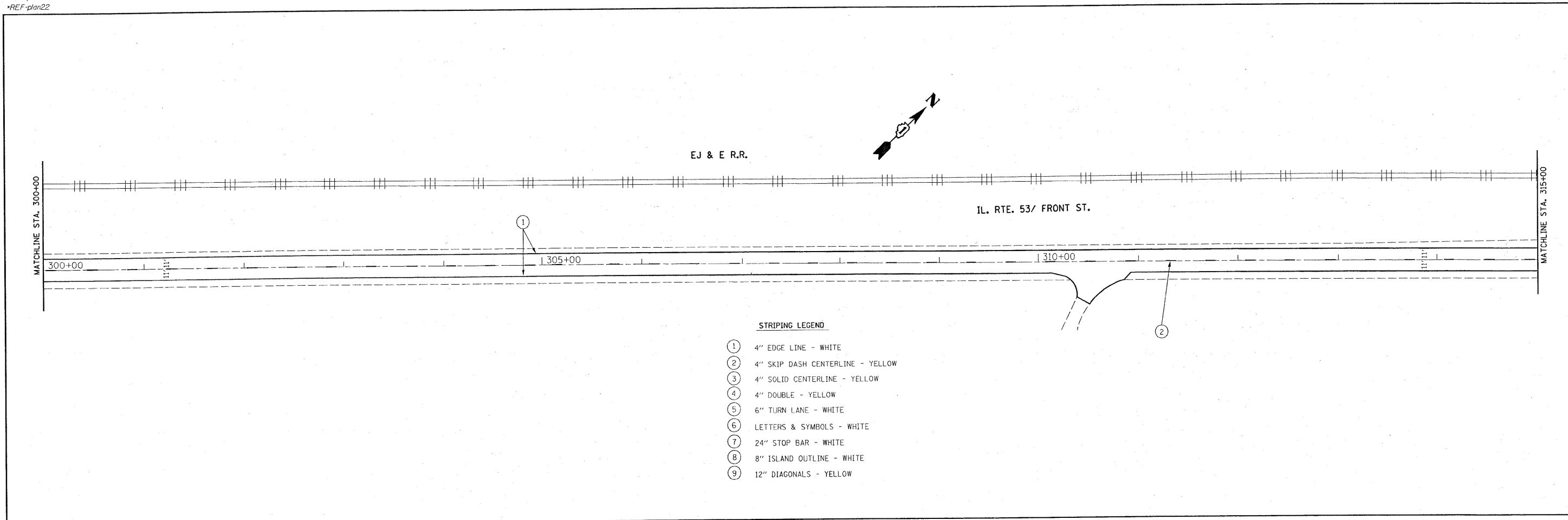
FILE NAME =	USER NAME = mossse	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 53 (FIRST ST. TO WILL COUNTY LINE) ROADWAY PLAN	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pwork\pwidot\MOSSSE\0110419\sh.r.dgn		DRAWN -	REVISED -			846	5RS-2	WILL	31	13	
		CHECKED -	REVISED -			CONTRACT NO. 62648					
		DATE	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
PLOT SCALE = 50:0.0000 ' / IN.		PLOT DATE = 3/26/2009		SCALE: 1" = 50'		SHEET NO. OF SHEETS		STA. 240+00.00 TO STA. 270+00.00			



- STRIPING LEGEND**
- ① 4" EDGE LINE - WHITE
 - ② 4" SKIP DASH CENTERLINE - YELLOW
 - ③ 4" SOLID CENTERLINE - YELLOW
 - ④ 4" DOUBLE - YELLOW
 - ⑤ 6" TURN LANE - WHITE
 - ⑥ LETTERS & SYMBOLS - WHITE
 - ⑦ 24" STOP BAR - WHITE
 - ⑧ 8" ISLAND OUTLINE - WHITE
 - ⑨ 12" DIAGONALS - YELLOW

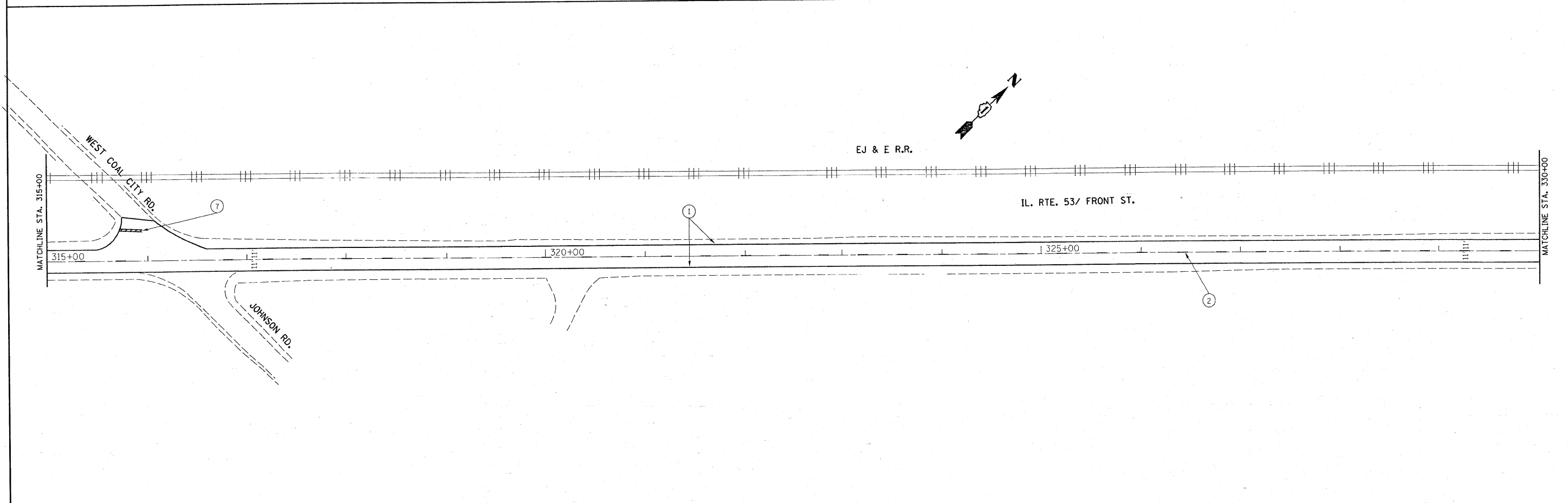


FILE NAME = c:\pw_work\p\WIDOT\MOSSE\0110419\sh_rdy.dgn	USER NAME = mosse	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 53 (FIRST ST. TO WILL COUNTY LINE) ROADWAY PLAN			F.A. RTE. 846	SECTION 5RS-2	COUNTY WILL	TOTAL SHEETS 31	SHEET NO. 14	
PLOT SCALE = 5000.0000 ' / IN.	CHECKED -	REVISED -	SCALE: 1" = 50'					SHEET NO. OF SHEETS	STA. 270+00.00 TO STA. 300+00.00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
PLOT DATE = 3/26/2009	DATE -	REVISED -	CONTRACT NO. 62648										

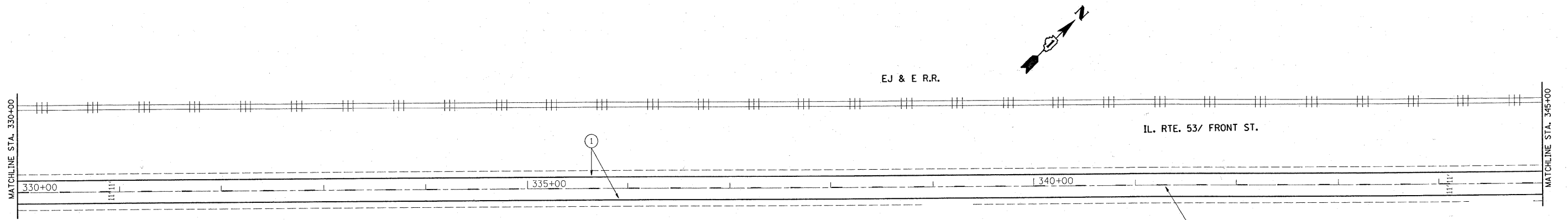


STRIPING LEGEND

- ① 4" EDGE LINE - WHITE
- ② 4" SKIP DASH CENTERLINE - YELLOW
- ③ 4" SOLID CENTERLINE - YELLOW
- ④ 4" DOUBLE - YELLOW
- ⑤ 6" TURN LANE - WHITE
- ⑥ LETTERS & SYMBOLS - WHITE
- ⑦ 24" STOP BAR - WHITE
- ⑧ 8" ISLAND OUTLINE - WHITE
- ⑨ 12" DIAGONALS - YELLOW

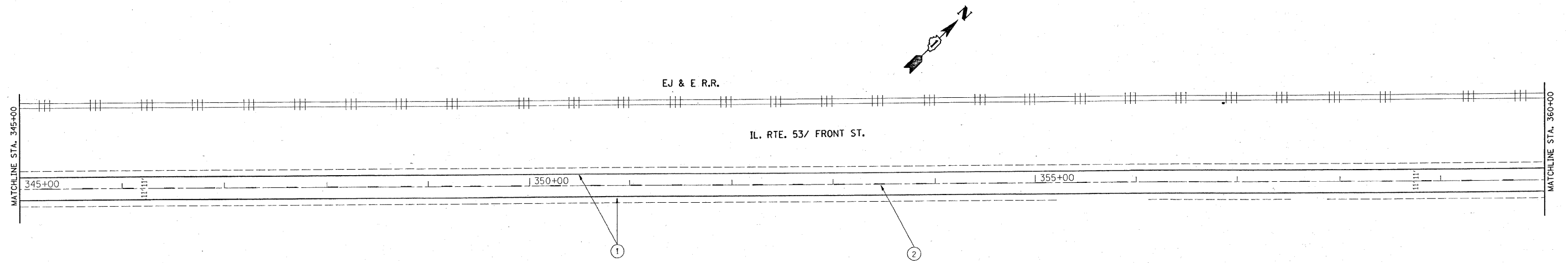


FILE NAME =	USER NAME = mossse	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 53 (FIRST ST. TO WILL COUNTY LINE) ROADWAY PLAN	F.A. RTE. 846	SECTION SRS-2	COUNTY WILL	TOTAL SHEETS 31	SHEET NO. 15		
est\pwwork\pwwid\TMOSSSE\8118419\sh_r.dgn	PLOT SCALE = 50:0.0000 ' / IN.	DRAWN -	REVISED -			SCALE: 1" = 50'	SHEET NO. OF SHEETS	STA. 300+00.00 TO STA. 330+00.00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
	PLOT DATE = 3/26/2009	CHECKED -	REVISED -			CONTRACT NO. 62648						
		DATE -	REVISED -									

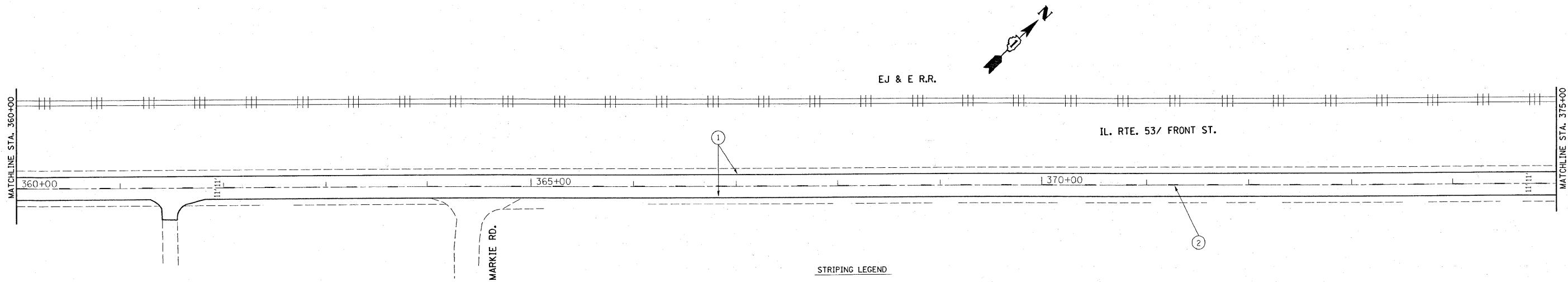


STRIPING LEGEND

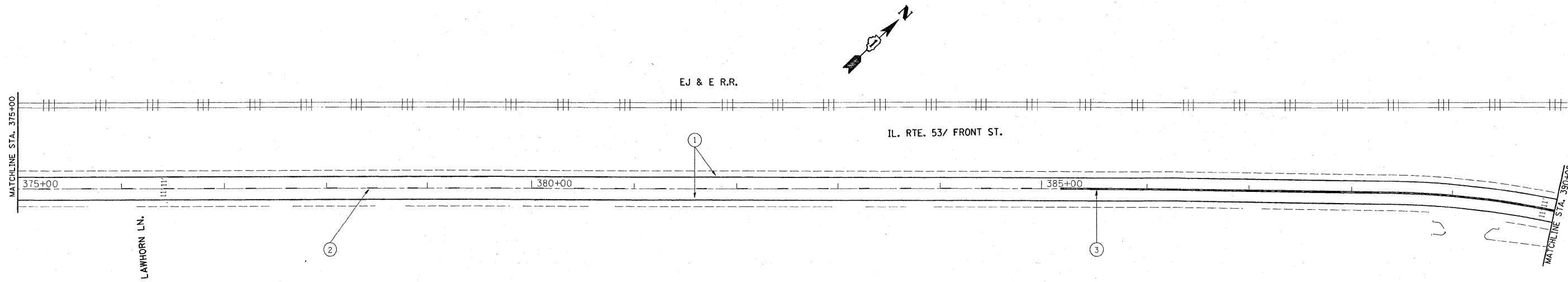
- ① 4" EDGE LINE - WHITE
- ② 4" SKIP DASH CENTERLINE - YELLOW
- ③ 4" SOLID CENTERLINE - YELLOW
- ④ 4" DOUBLE - YELLOW
- ⑤ 6" TURN LANE - WHITE
- ⑥ LETTERS & SYMBOLS - WHITE
- ⑦ 24" STOP BAR - WHITE
- ⑧ 8" ISLAND OUTLINE - WHITE
- ⑨ 12" DIAGONALS - YELLOW



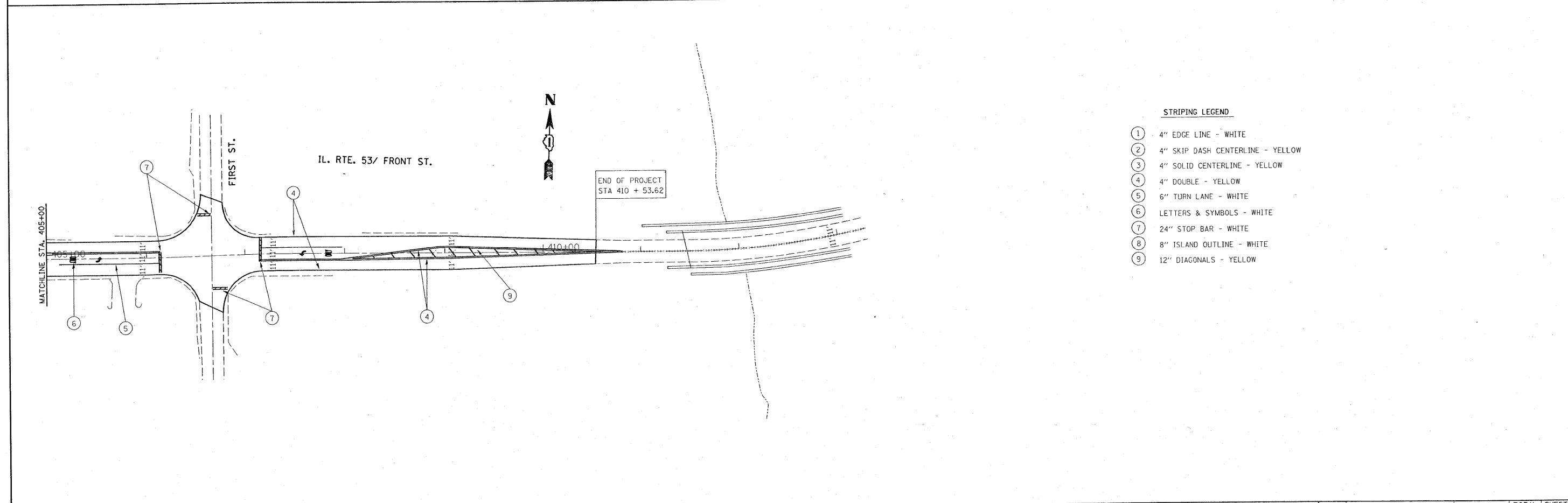
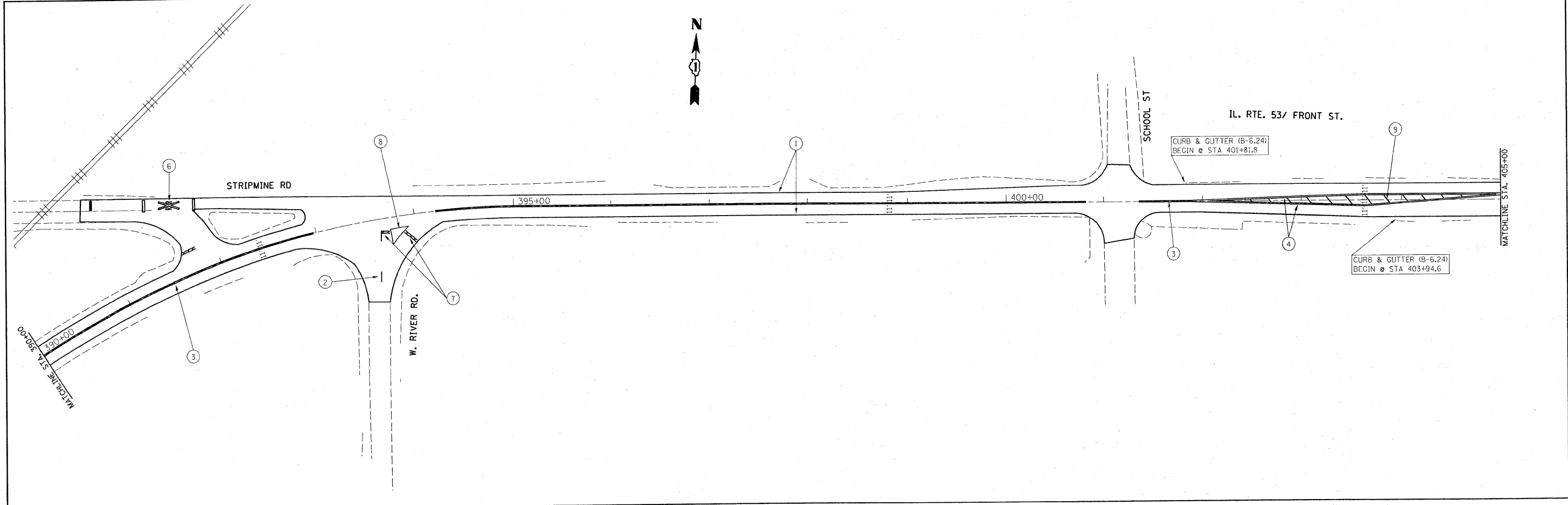
FILE NAME = <small>ca:\pw\work\NPM\DOT\MQSSSE\8118419\sh_rdd.dgn</small>	USER NAME = moisse	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 53 (FIRST ST. TO WILL COUNTY LINE) ROADWAY PLAN			F.A. RTE. 846	SECTION 5RS-2	COUNTY WILL	TOTAL SHEETS 31	SHEET NO. 16			
	PLOT SCALE = 500.0000 1" / IN.	CHECKED -	REVISED -					CONTRACT NO. 62648							
	PLOT DATE = 3/26/2009	DATE -	REVISED -					SCALE: 1" = 50'	SHEET NO. OF SHEETS	STA. 330+00.00 TO STA. 360+00.00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- STRIPING LEGEND**
- ① 4" EDGE LINE - WHITE
 - ② 4" SKIP DASH CENTERLINE - YELLOW
 - ③ 4" SOLID CENTERLINE - YELLOW
 - ④ 4" DOUBLE - YELLOW
 - ⑤ 6" TURN LANE - WHITE
 - ⑥ LETTERS & SYMBOLS - WHITE
 - ⑦ 24" STOP BAR - WHITE
 - ⑧ 8" ISLAND OUTLINE - WHITE
 - ⑨ 12" DIAGONALS - YELLOW



FILE NAME = c:\pwork\PI\DOT\MOSSE\0110419\shrdg.dgn	USER NAME = mosse	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 53 (FIRST ST. TO WILL COUNTY LINE) ROADWAY PLAN			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50:0.0000 ' / IN.	DRAWN -	REVISED -					846	5RS-2	WILL	31	17
	PLOT DATE = 3/26/2009	CHECKED -	REVISED -					CONTRACT NO. 62648				
		DATE -	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
					SCALE: 1" = 50'	SHEET NO.	OF	SHEETS	STA. 360+00.00	TO STA. 390+00.00		

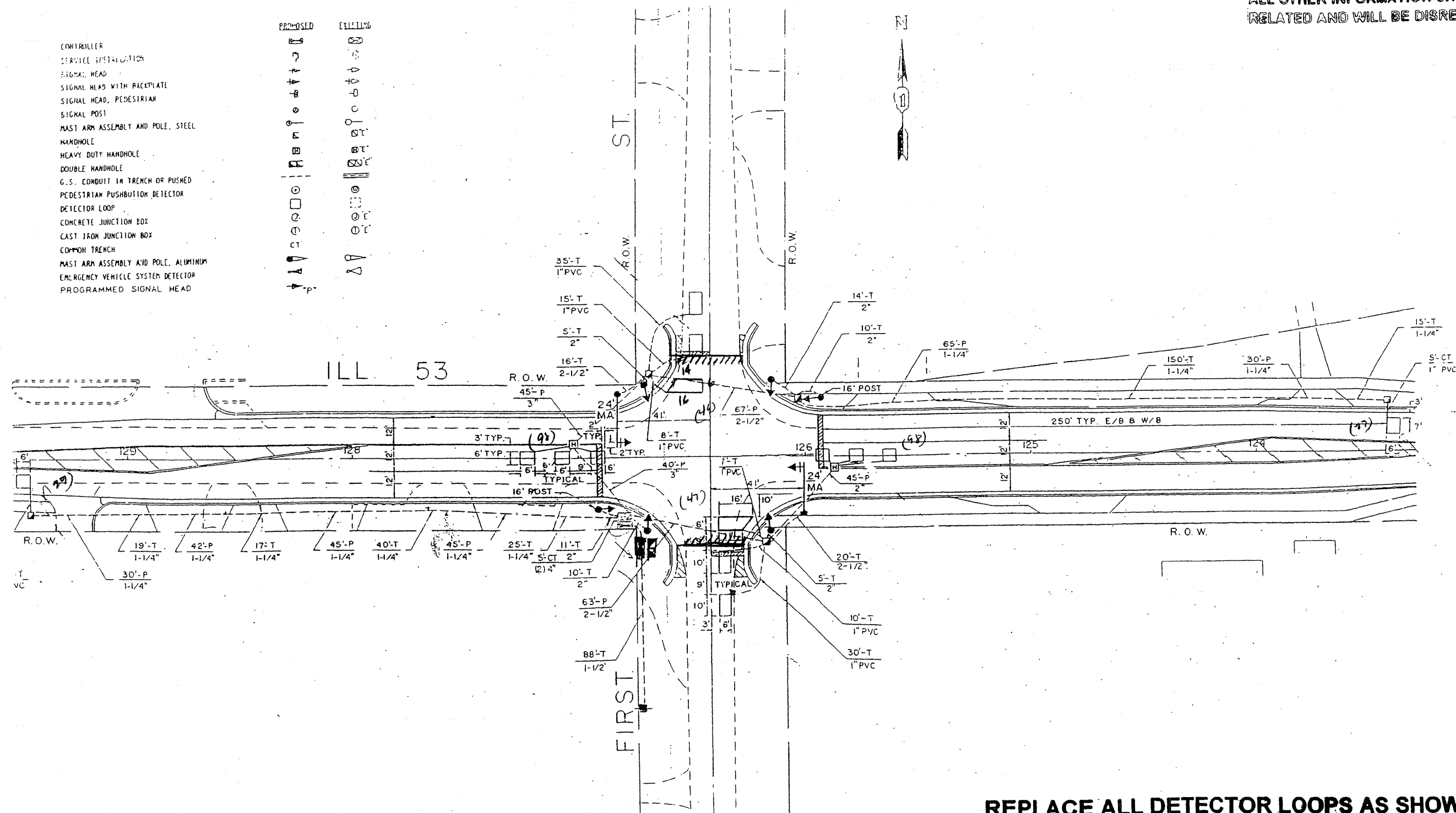
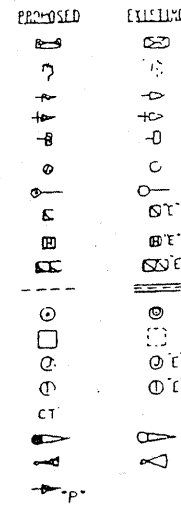


- STRIPING LEGEND**
- ① 4" EDGE LINE - WHITE
 - ② 4" SKIP DASH CENTERLINE - YELLOW
 - ③ 4" SOLID CENTERLINE - YELLOW
 - ④ 4" DOUBLE - YELLOW
 - ⑤ 6" TURN LANE - WHITE
 - ⑥ LETTERS & SYMBOLS - WHITE
 - ⑦ 24" STOP BAR - WHITE
 - ⑧ 8" ISLAND OUTLINE - WHITE
 - ⑨ 12" DIAGONALS - YELLOW

FILE NAME =	USER NAME = mossse	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 53 (FIRST ST. TO WILL COUNTY LINE) ROADWAY PLAN	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw_work\VPWIDOT\MOSSSE\j0110419\sh.rdn		DRAWN -	REVISED -			846	5RS-2	WILL	31	18	
PLOT SCALE = 500.0000 "/ IN.		CHECKED -	REVISED -			CONTRACT NO. 62648					
PLOT DATE = 3/26/2009		DATE -	REVISED -			SCALE: 1"= 50'	SHEET NO. OF SHEETS	STA. 390+00.00 TO STA. 413+29.07	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

NOTE:
 THIS PLAN IS FOR THE PURPOSE OF
 REPLACING THE DETECTOR LOOPS ONLY,
 ALL OTHER INFORMATION SHOWN IS NOT
 RELATED AND WILL BE DISREGARDED.

- CONTROLLER
- SERVICE INSTALLATION
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- SIGNAL HEAD, PEDESTRIAN
- SIGNAL POST
- MAST ARM ASSEMBLY AND POLE, STEEL
- HANDHOLE
- HEAVY DUTY HANDHOLE
- DOUBLE HANDHOLE
- G.S. CONDUIT IN TRENCH OR PUSHED
- PEDESTRIAN PUSHBUTTON DETECTOR
- DETECTOR LOOP
- CONCRETE JUNCTION BOX
- CAST IRON JUNCTION BOX
- COMMON TRENCH
- MAST ARM ASSEMBLY AND POLE, ALUMINUM
- EMERGENCY VEHICLE SYSTEM DETECTOR
- PROGRAMMED SIGNAL HEAD

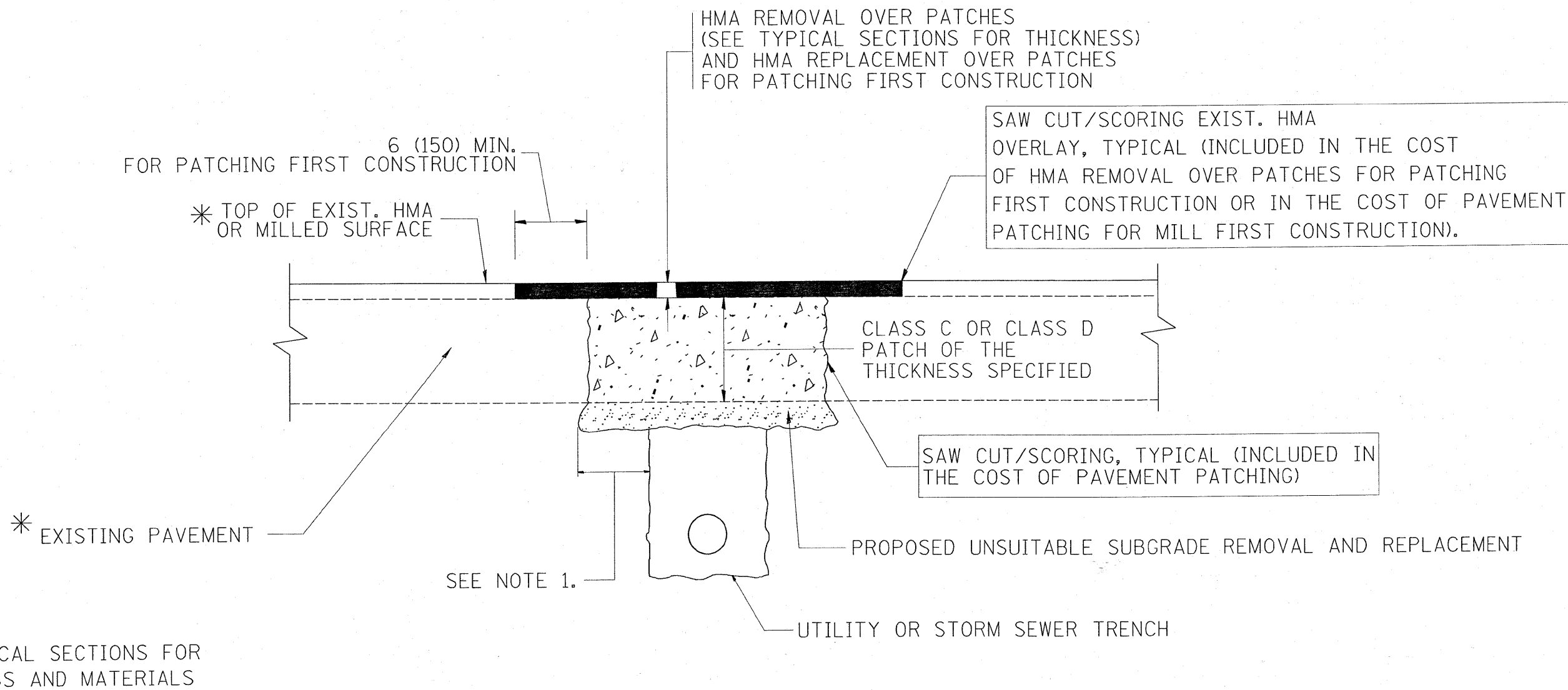


REPLACE ALL DETECTOR LOOPS AS SHOWN

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	347	Foot	Detector Loop Replacement

FILE NAME =	USER NAME = mossse	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\mossse\d0118419\sh_rdw.dgn	DRAWN -	REVISED -	846			5RS-2	WILL	31	19	
PLOT SCALE = 100:0.0000 1/2" / IN.	CHECKED -	REVISED -	CONTRACT NO. 62648							
PLOT DATE = 3/25/2009	DATE -	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	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)

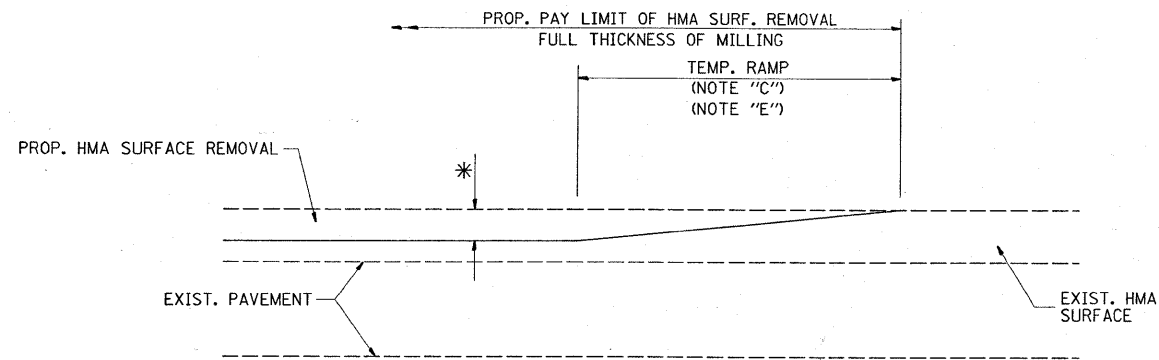
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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.

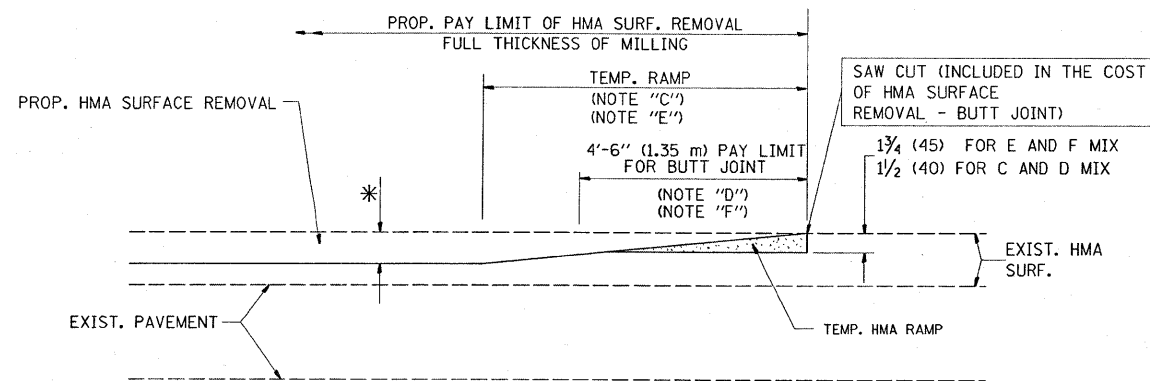
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = mossse	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\PW1001\MOSSSE\10110419\DistS		DRAWN -	REVISED - R. BORO 01-01-07		846	5RS-2	WILL	31	20		
PLOT SCALE = 50.0000 / IN.		CHECKED -	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)		CONTRACT NO. 62648				
PLOT DATE = 3/25/2009		DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



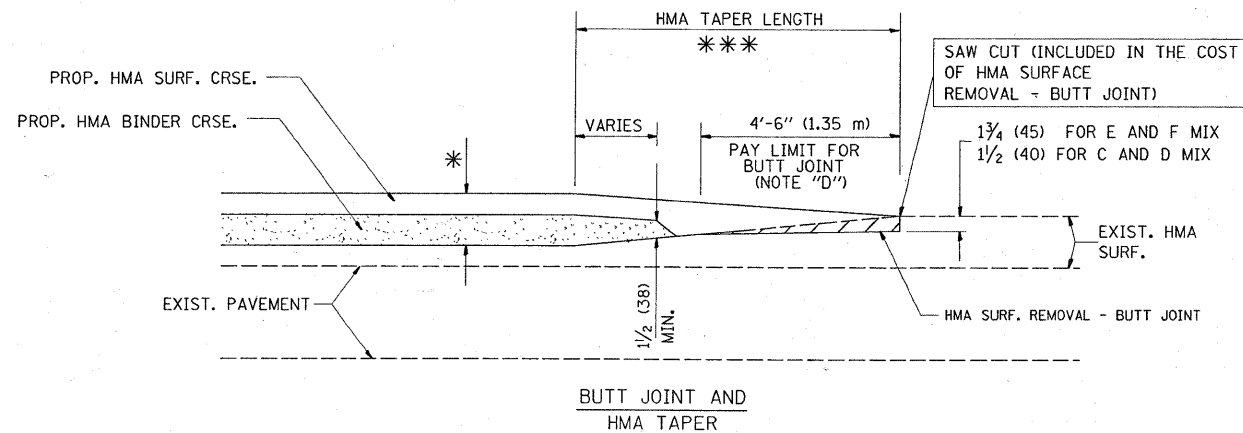
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

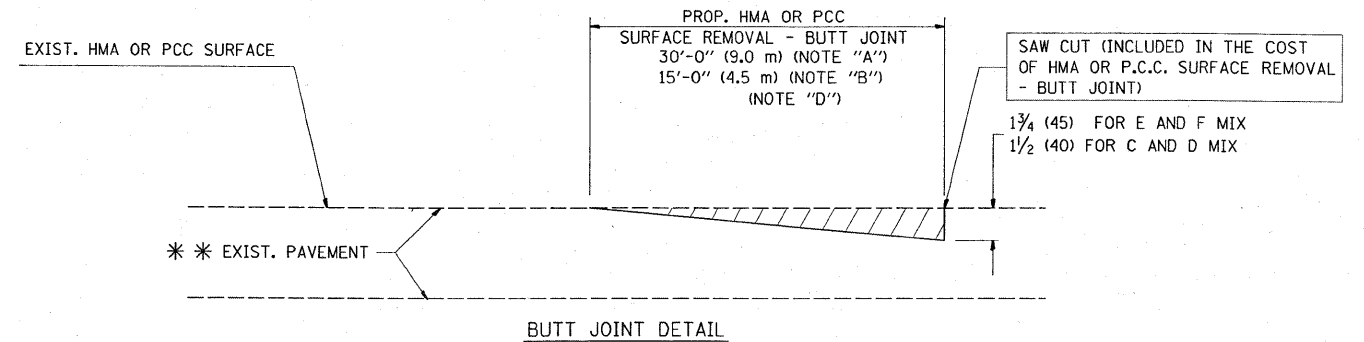


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

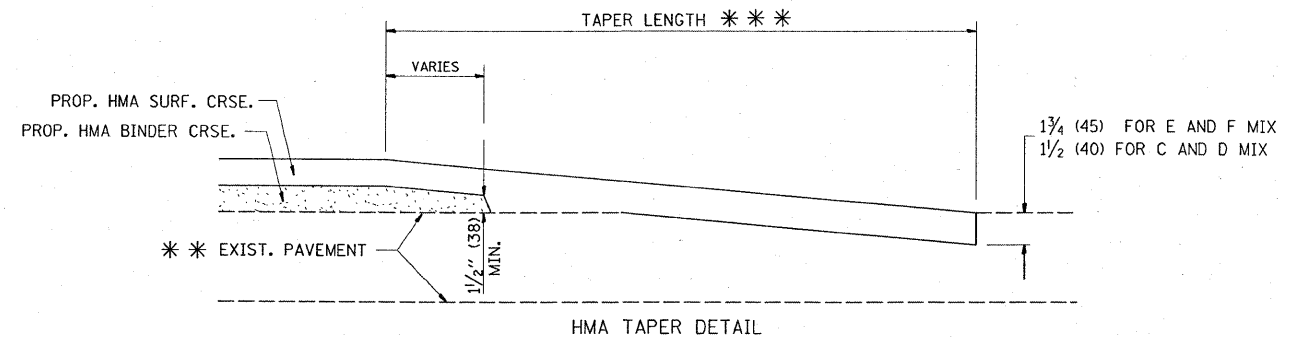
OPTION 2
TYPICAL TEMPORARY RAMP



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

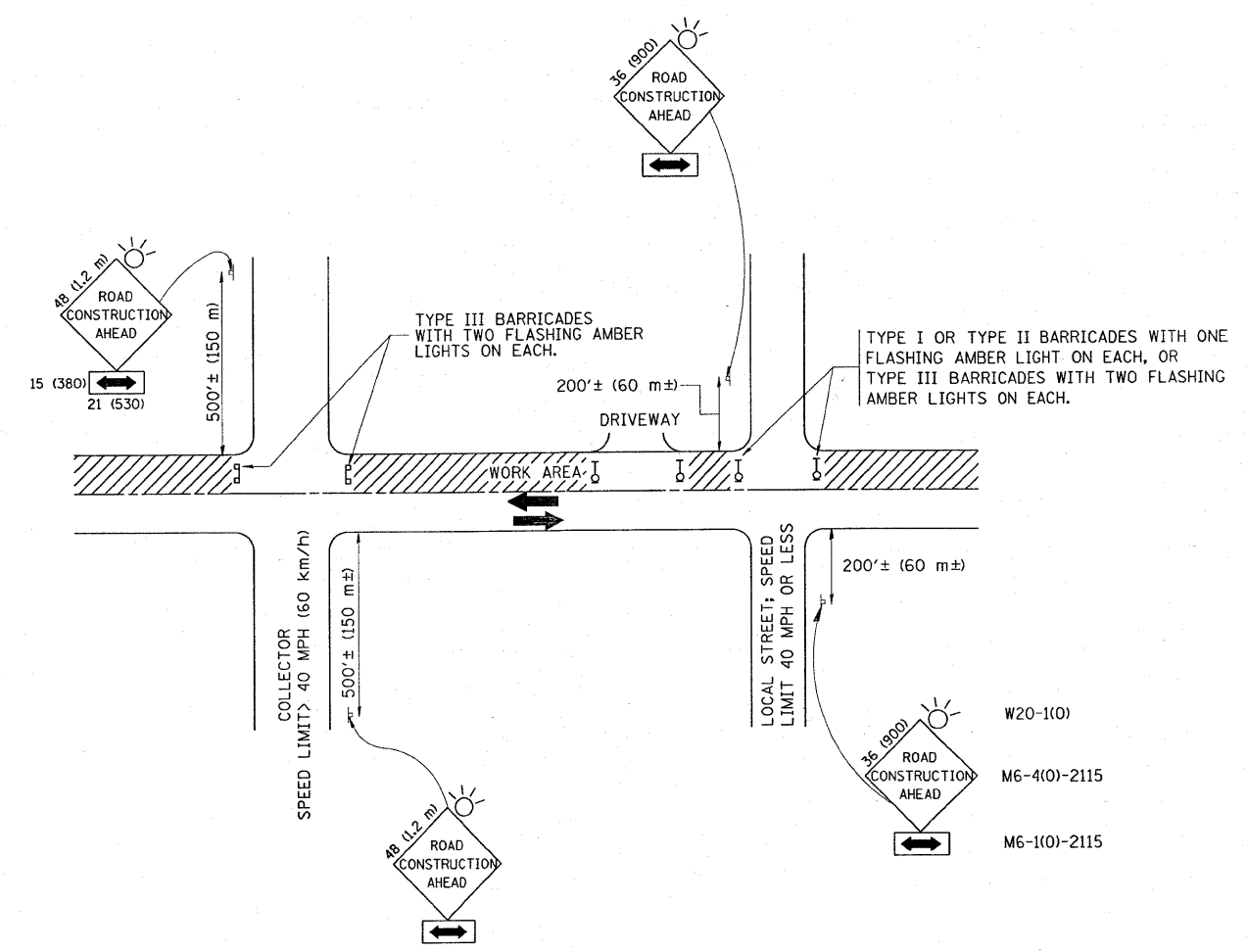
- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (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.

FILE NAME =	USER NAME = mossso	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\p\WIDOT\MOSSSE\d0110419\ndet5.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97			846	5RS-2	WILL	31	21
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED - M. GOMEZ 04-06-01			BD400-05 BD32		CONTRACT NO. 62648		
PLOT DATE = 3/25/2009		DATE - 06-13-90	REVISED - R. BORO 01-01-07			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	



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.
- 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.

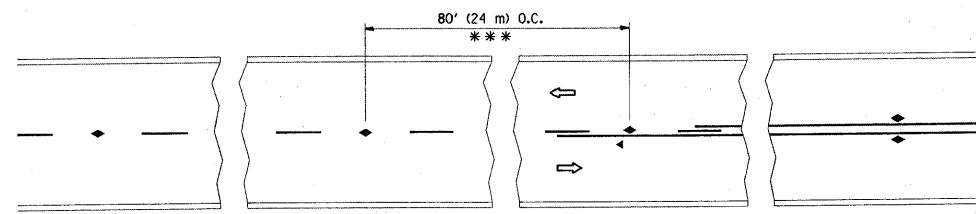
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME =	USER NAME = mossse	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
...	...	DRAWN -	REVISED - A. HOUSEH 03-06-96
...	...	CHECKED -	REVISED - A. HOUSEH 10-15-96
...	...	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

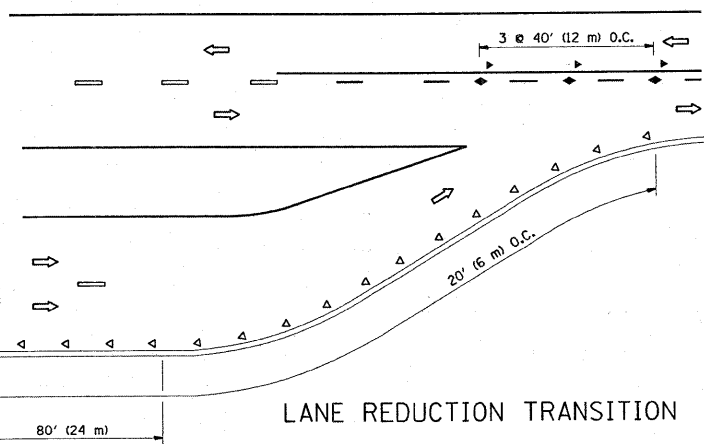
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	5RS-2	WILL	31	22
TC-10			CONTRACT NO. 62648	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

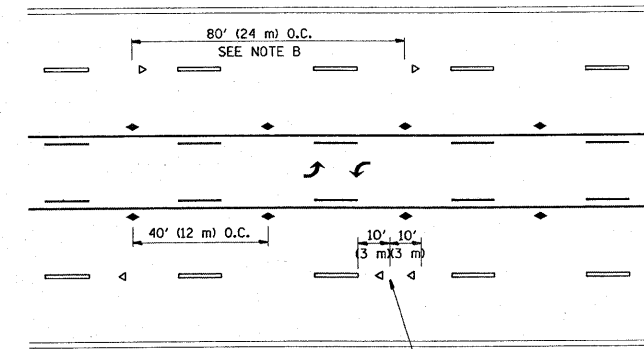


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

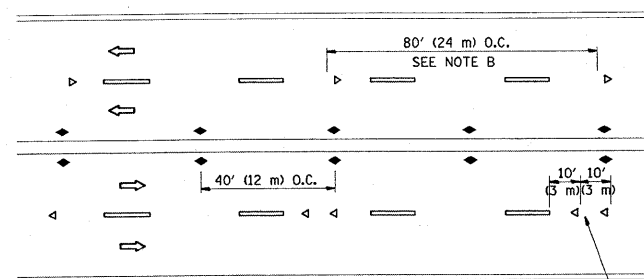
TWO-LANE/TWO-WAY



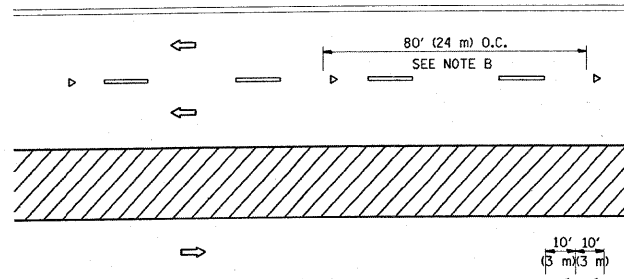
LANE REDUCTION TRANSITION



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

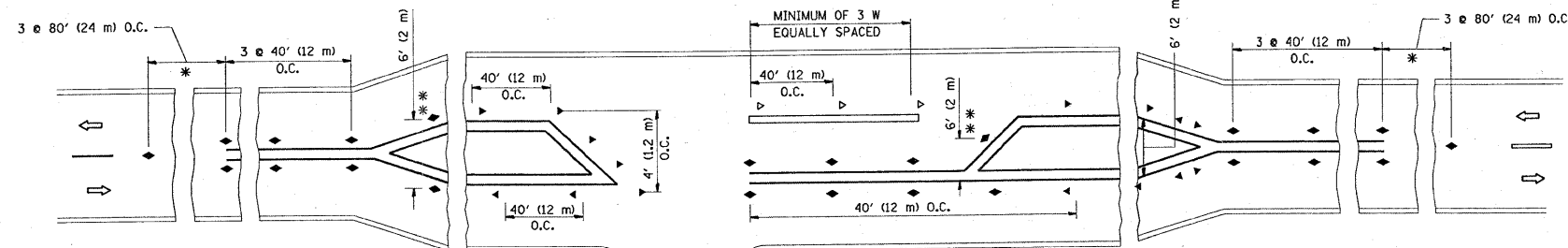
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

FILE NAME =
 c:\p\work\p\WIDOT\MOSSE\d0110419\01st5.dgn

USER NAME = mosse
 PLOT SCALE = 50.0000' / IN.
 PLOT DATE = 3/25/2009

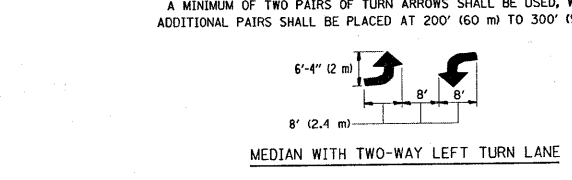
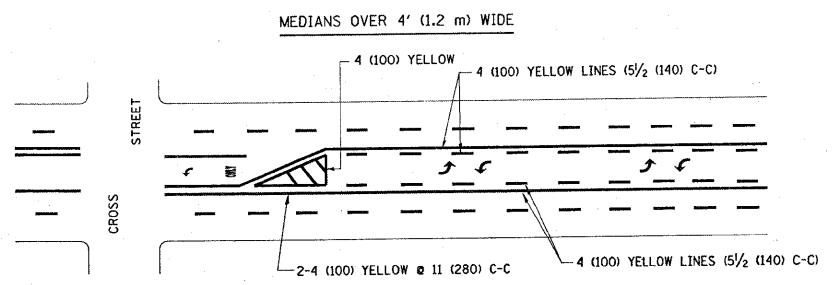
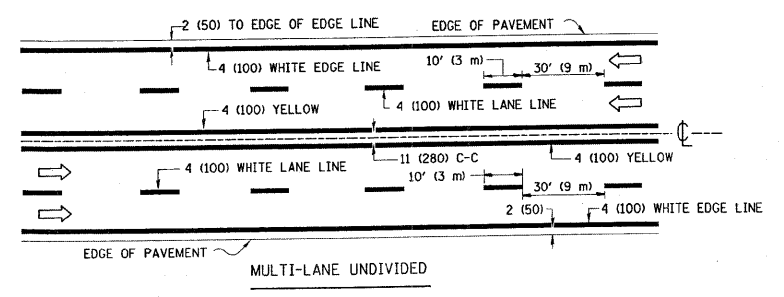
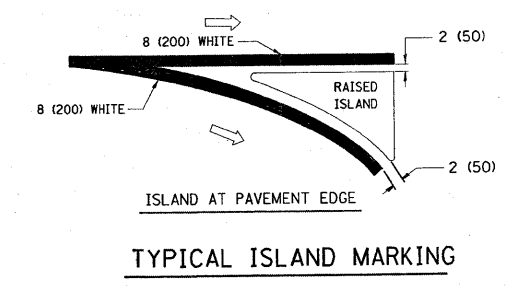
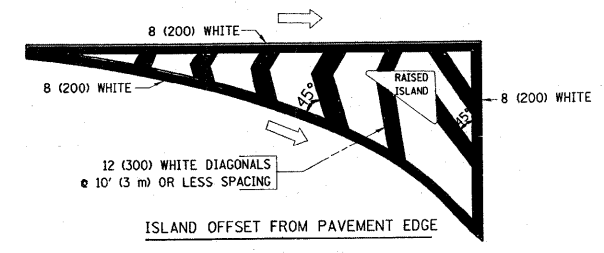
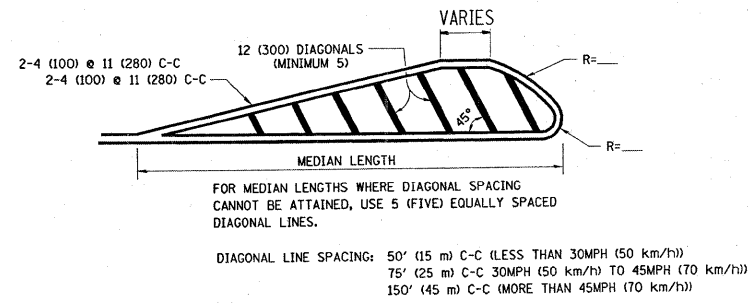
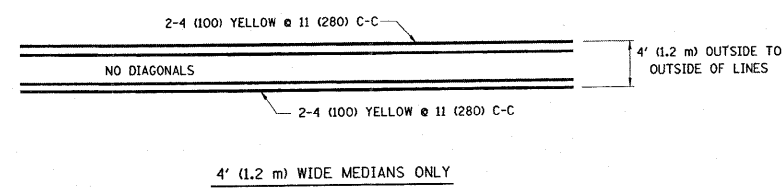
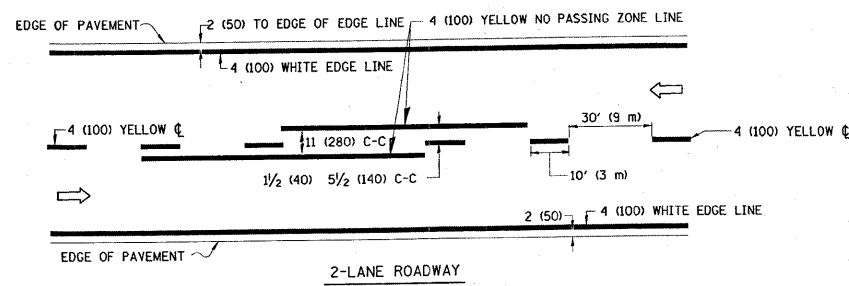
DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED - T. RAMMACHER 09-19-94
 REVISED - T. RAMMACHER 03-12-99
 REVISED - T. RAMMACHER 01-06-00
 REVISED -

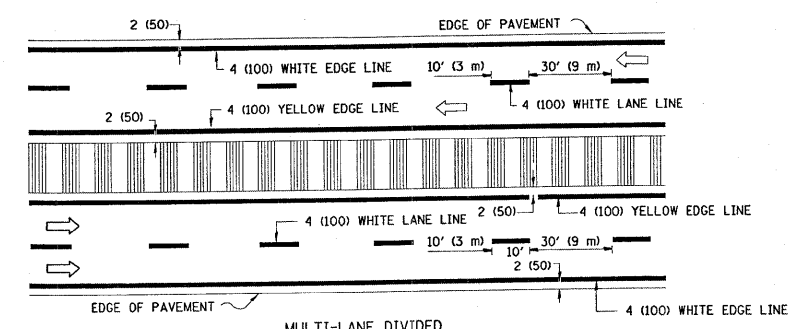
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	5RS-2	WILL	31	23
TC-11			CONTRACT NO. 62648	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

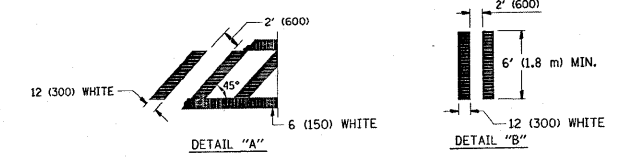
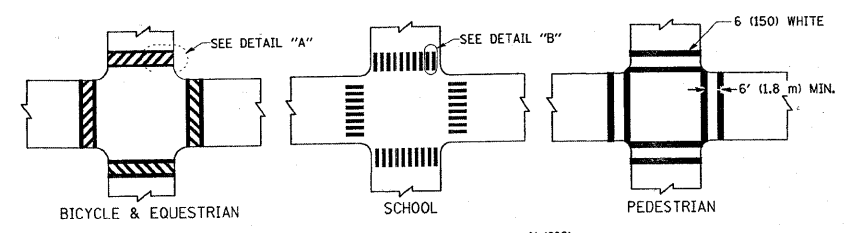


TYPICAL PAINTED MEDIAN MARKING

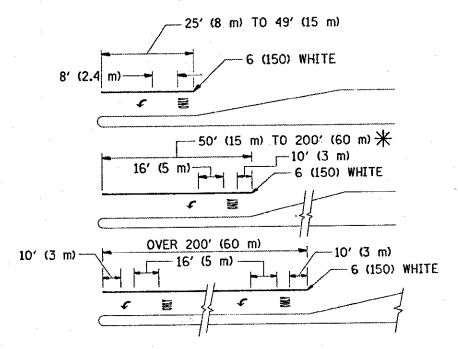


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

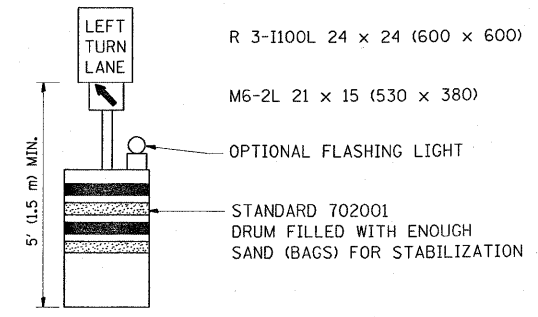
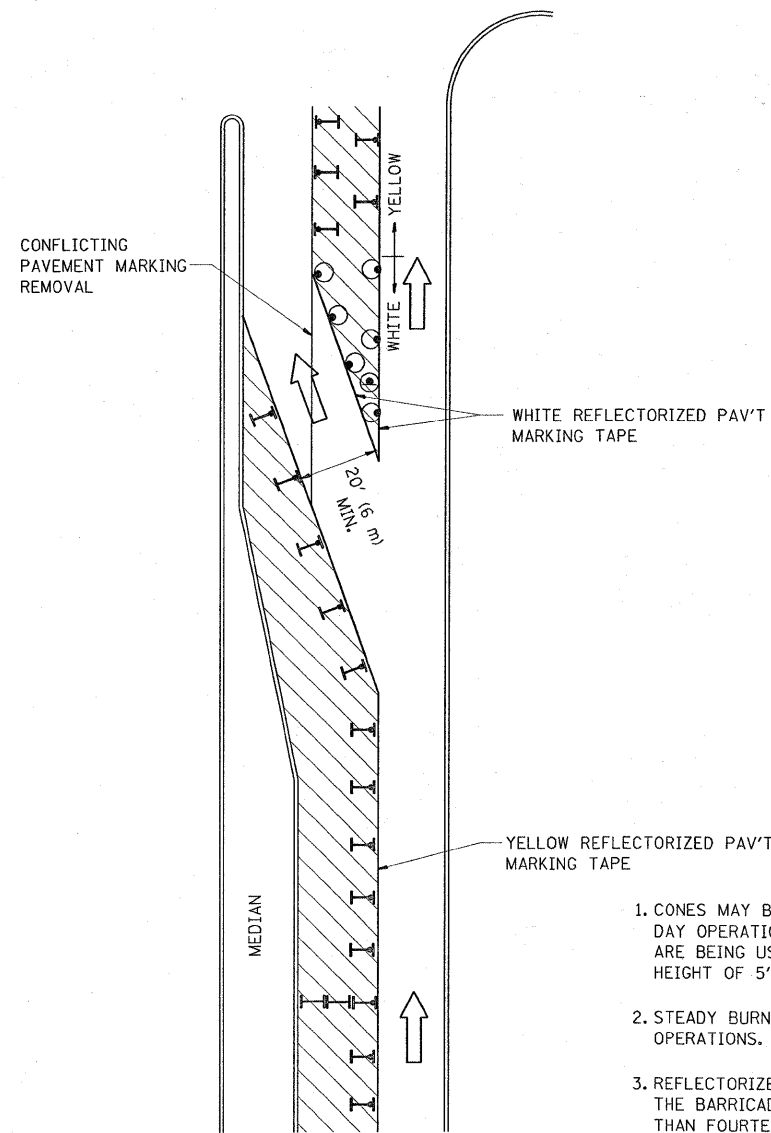
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE 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 8' (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 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.

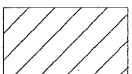





All dimensions are in inches (millimeters) unless otherwise shown.



GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

LEGEND

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

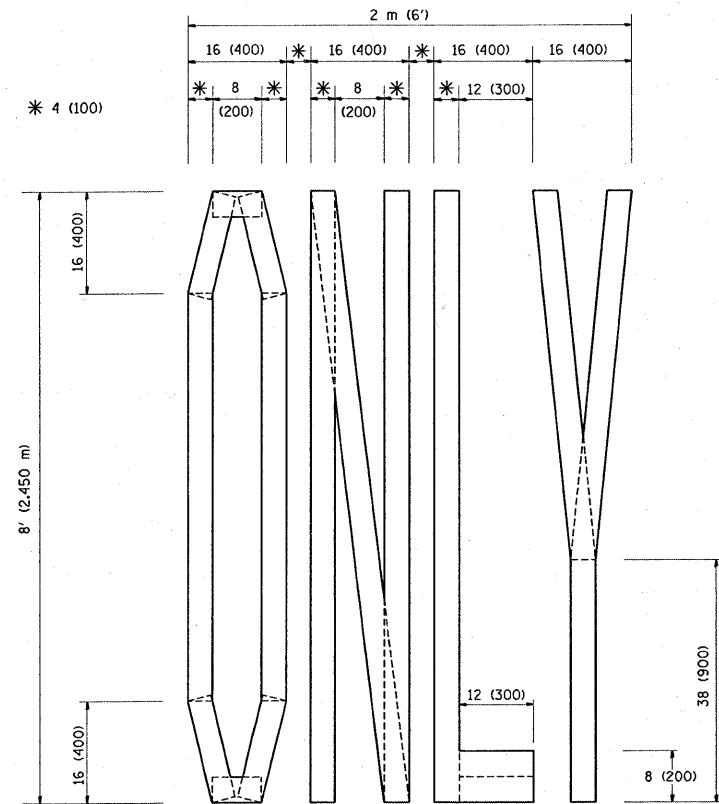
All dimensions are in Inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = mossse	DESIGNED -	REVISED - T. RAMMACHER 09-08-94
at:\pw\work\PWIDOT\MOSSSE\0110419\Dist5.dgn		DRAWN -	REVISED - A. HOUSEH 11-07-95
		PLOT SCALE = 50.0000' / IN.	REVISED - A. HOUSEH 10-12-96
		PLOT DATE = 3/25/2009	REVISED - T. RAMMACHER 01-06-00
		DATE -	

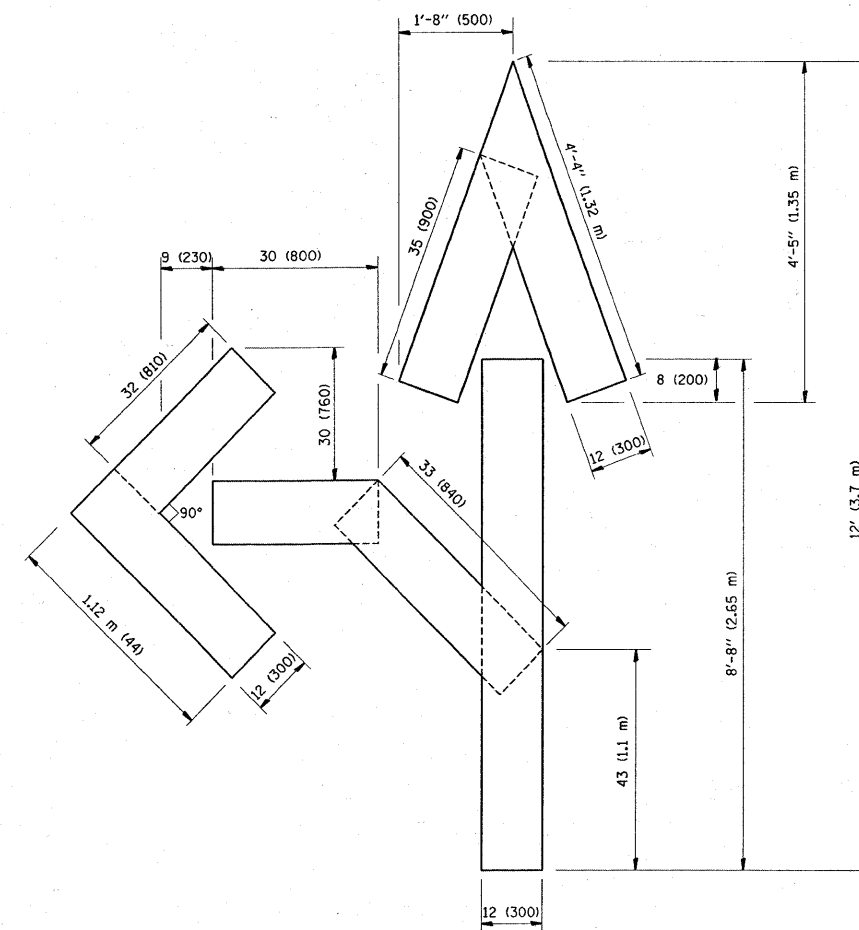
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

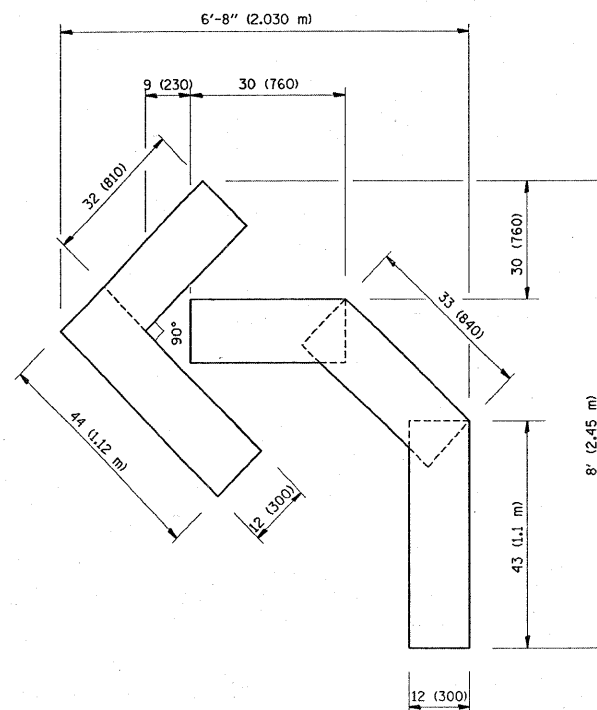
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	5RS-2	WILL	31	25
TC-14			CONTRACT NO. 62648	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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.

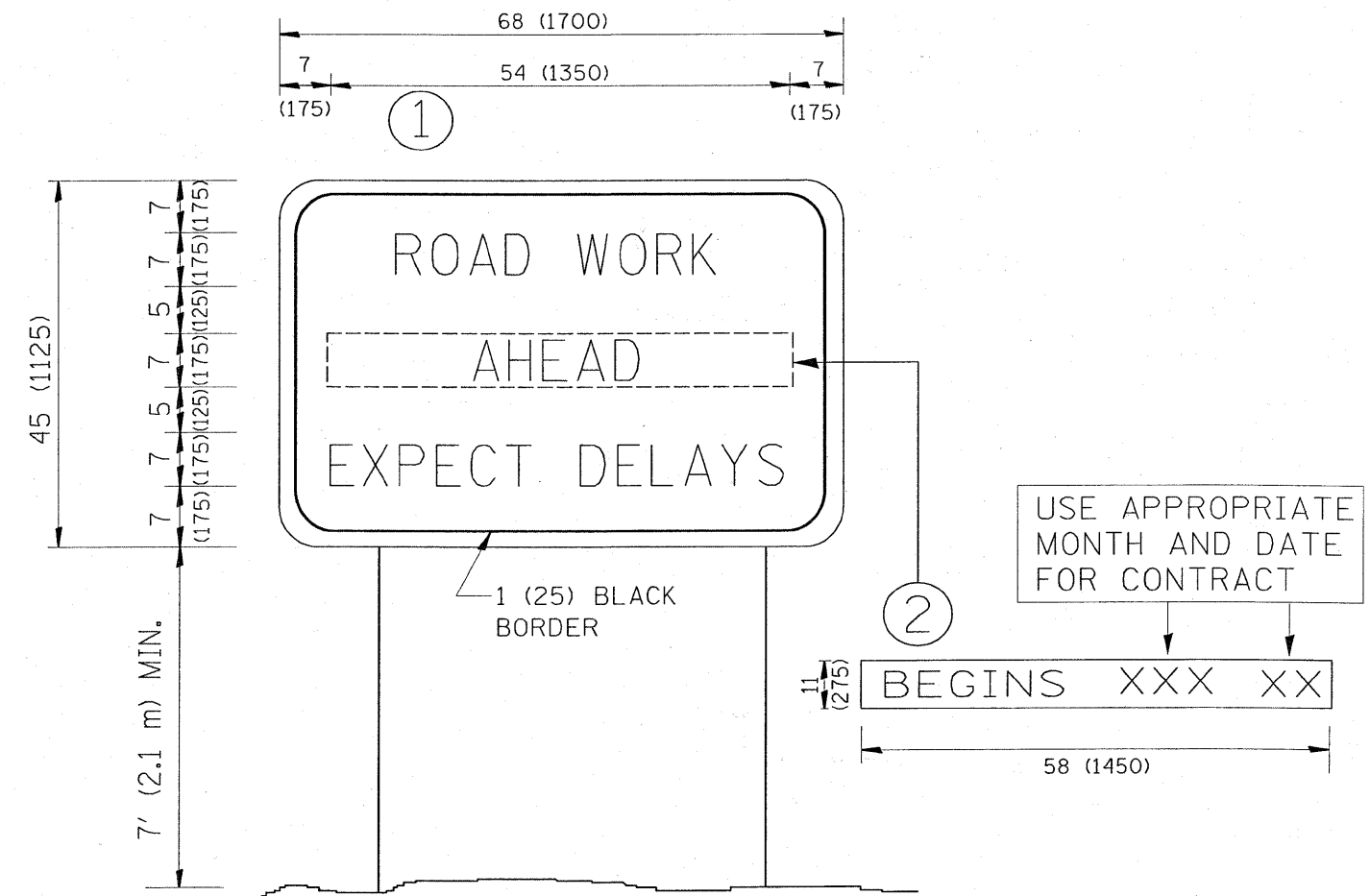
FILE NAME =	USER NAME = mossie	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
z:\pwr\work\p\WID01\MOSSIE\0110419\Dis\5.dgn		DRAWN -	REVISED -T. RAMMACHER 11-04-97
		CHECKED -	REVISED -T. RAMMACHER 03-02-98
		DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	5RS-2	WILL	31	26
TC-16			CONTRACT NO. 62648	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

FILE NAME =	USER NAME = mosse	DESIGNED -	REVISED - R. MIRS 09-15-97
et:\p\work\PM\DOT\MOSSE\10110419\Dist5.dgn		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 3/25/2009	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

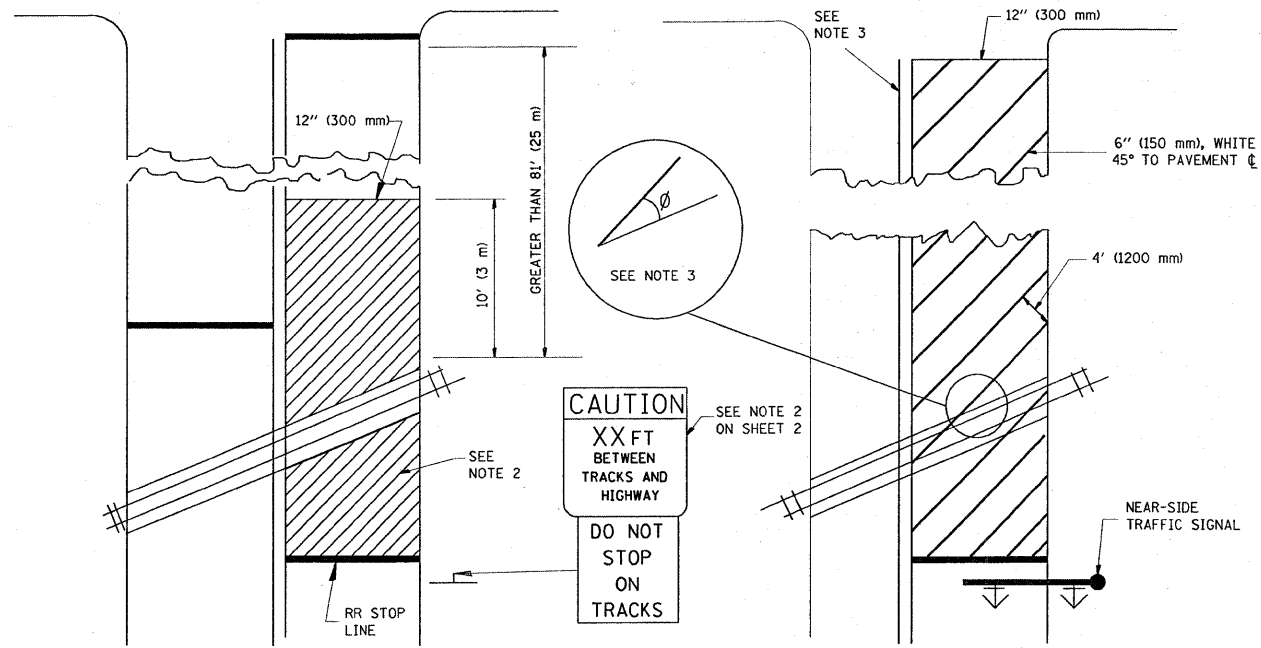
**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	5RS-2	WILL	31	27
TC-22			CONTRACT NO. 62648	
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				

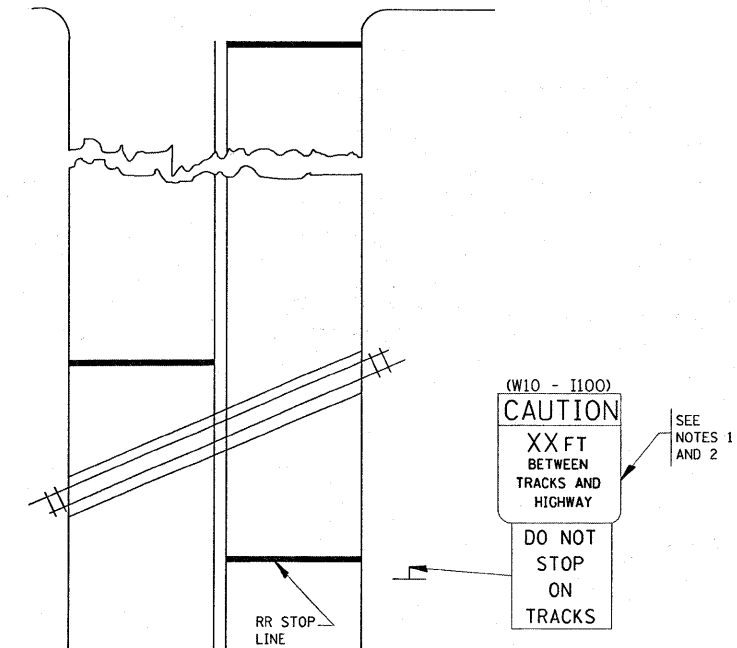
WITH INTERSECTION TRAFFIC SIGNALS

WITH NEAR-SIDE TRAFFIC SIGNALS



WITH NONSIGNALIZED INTERSECTION

81' (25 m) OR LESS TO CLOSEST RAIL



NOTES:

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

NOTE :

- DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET (1.8 m) FROM THE RAIL CLOSEST TO THE INTERSECTION TO THE STOP LINE OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 5 FEET (1.5 m). WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE THE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6-FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION.

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

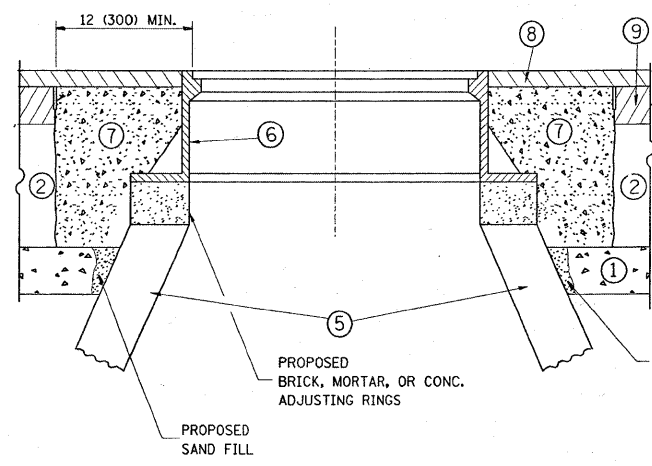
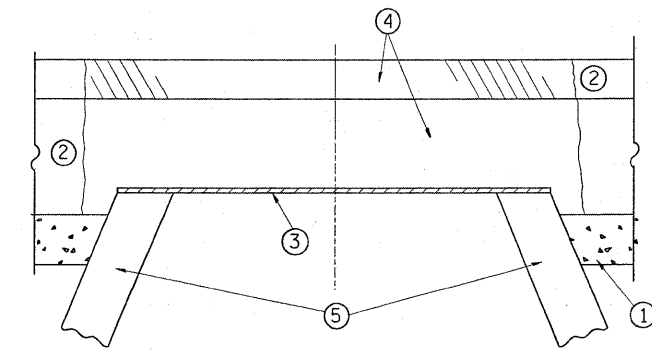
FILE NAME =	USER NAME = mossse	DESIGNED -	REVISED - 01-01-07
es\pwwork\PMIDOT\MOSSSE\vd0118419\DistS	3.dgn	DRAWN -	REVISED -
	PLOT SCALE = 50.0000" / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/25/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING
TREATMENT FOR RAILROAD CROSSINGS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	5RS-2	WILL	31	28
TC-23			CONTRACT NO. 62648	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL"

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

NOTES:

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

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

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

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

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

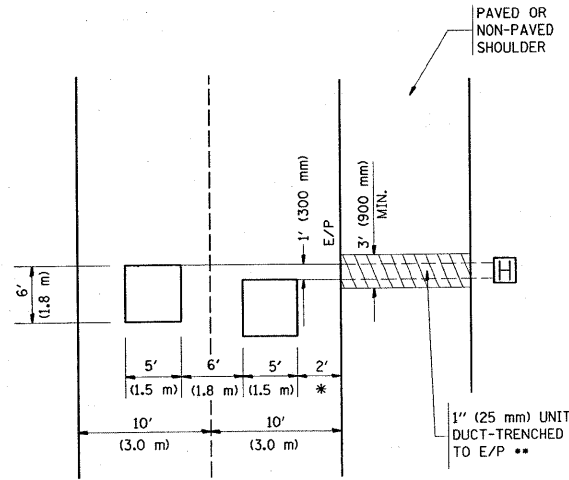
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = mossse	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\PWIDOT\MOSSSE\0110419\DistS	dgn	DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	846	5RS-2	WILL	31	29
	PLOT SCALE = 50.0000 "/ IN.	CHECKED -	REVISED - R. WIEDEMAN 05-14-04					BD600-03 (BD-8)				
	PLOT DATE = 3/25/2009	DATE - 10-25-94	REVISED - R. BORO 01-01-07					CONTRACT NO. 62648				
								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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

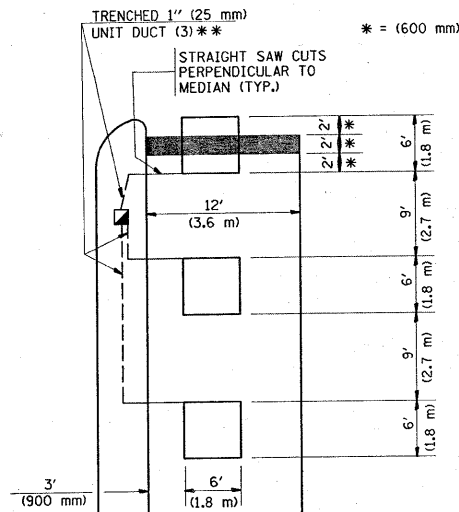


* = (600 mm)

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

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

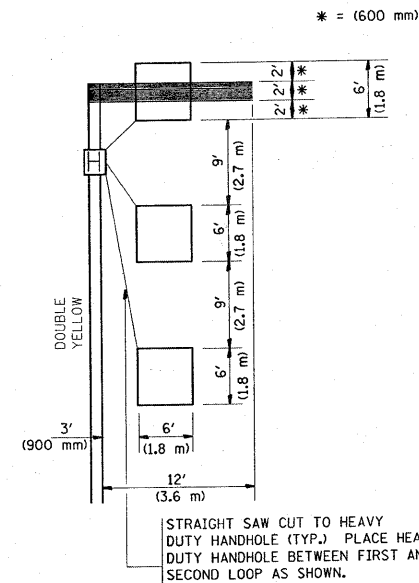
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



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

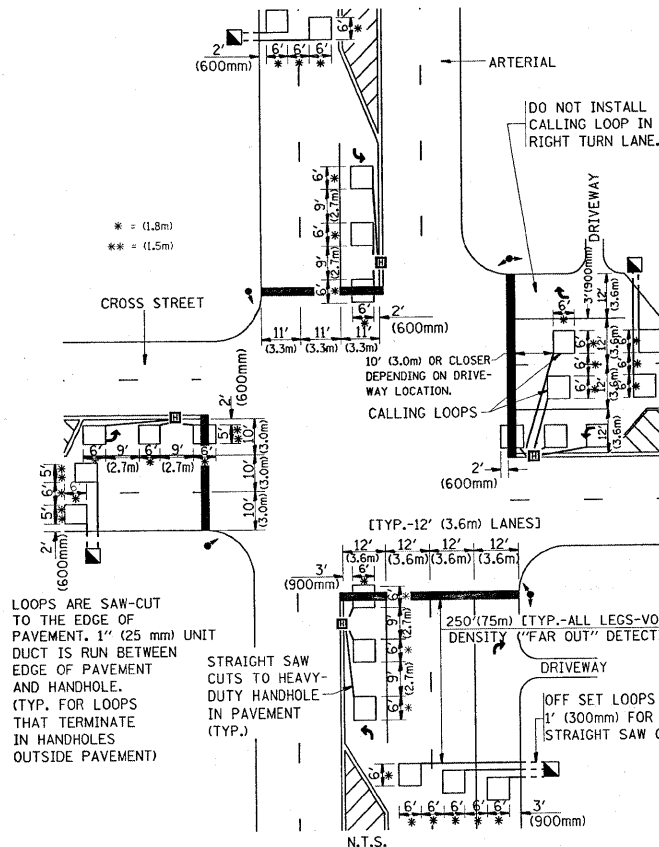
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



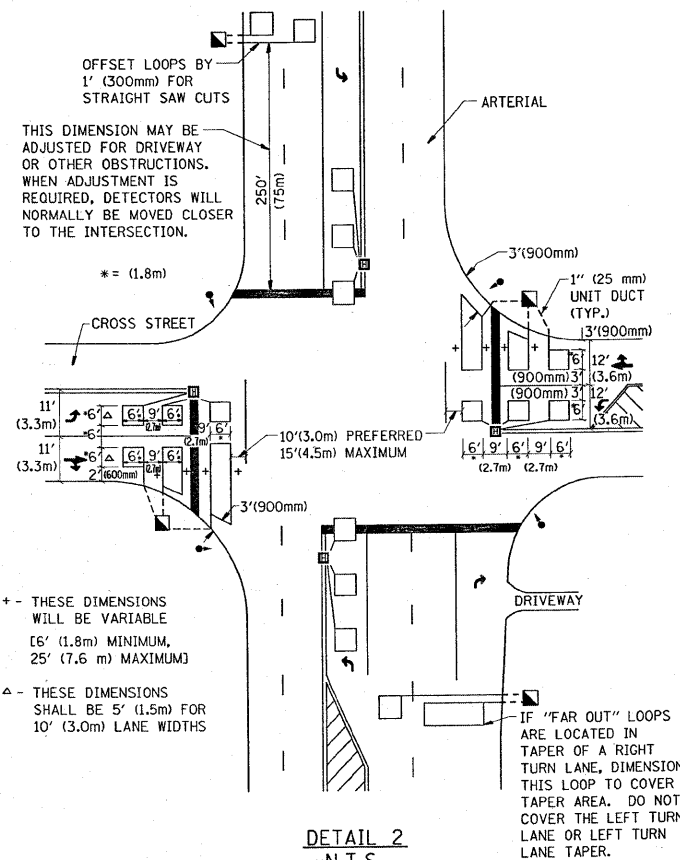
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

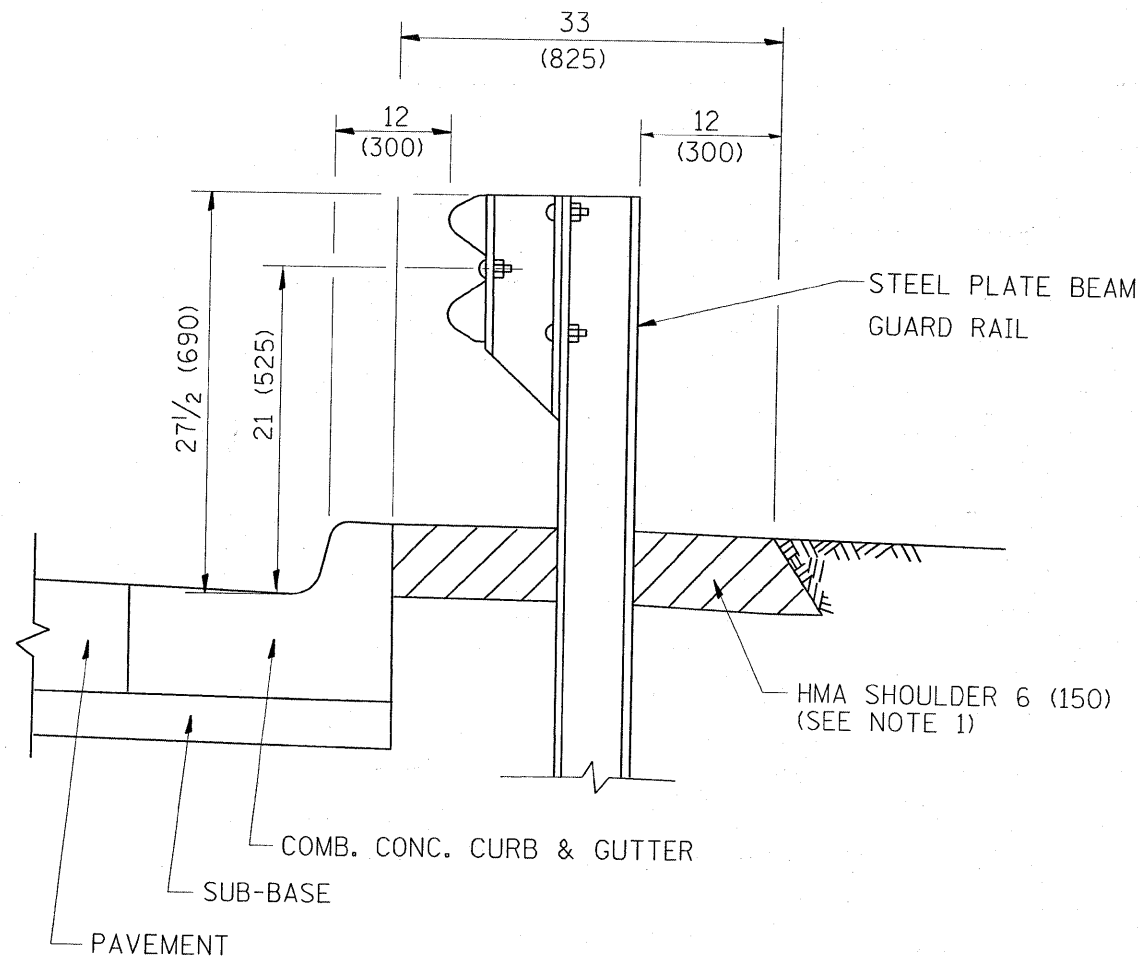
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

NOTE:

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

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

FILE NAME =	USER NAME = mossse	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING			F.A. RTE. 846	SECTION 5RS-2	COUNTY WILL	TOTAL SHEETS 31	SHEET NO. 30
ca:\pwork\PWIDOT\MOSSSE\08110419\01st5.dgn		DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				
		CHECKED - R.K.F.	REVISED -					CONTRACT NO. 62648				
		DATE -	REVISED -					TS-07				

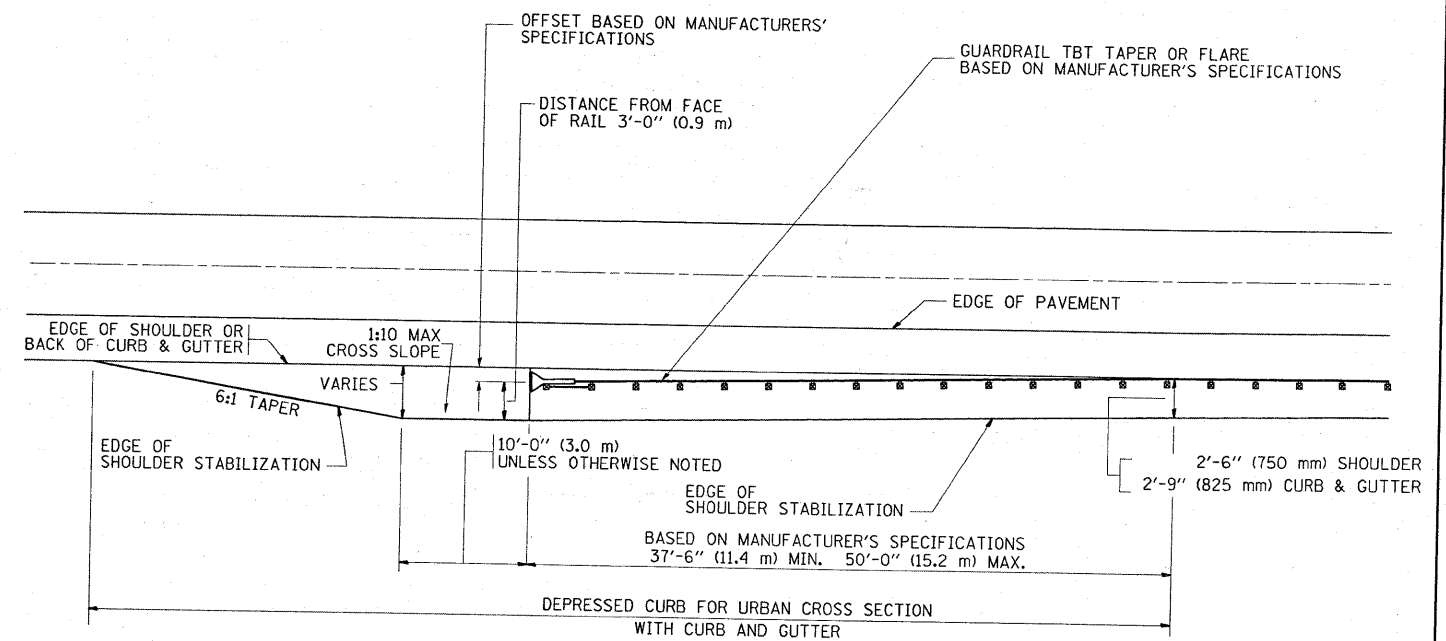


- NOTES: 1. THE HMA SHOULDER SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL
2. GUARD RAIL MAY BE PLACED AT THE BACK OF CURB WHEN DIRECTED BY THE ENGINEER.

BASIS OF PAYMENT: HMA SHOULDER 6 (150) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDER 6" (150 mm)".

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER [FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]



STABILIZATION AT TBT TY. 1 SPL.

TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = mcsse	DESIGNED - M. DE YONG	REVISED - R. SHAH 02-23-95
et\pwr\k\p\WIDOT\MOSSE\8118419\01st.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - E. GOMEZ 08-28-00
	PLOT DATE = 3/25/2009	DATE - 09-22-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER STABILIZATION AT TBT TY 1 SPL.
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	5RS-2	WILL	31	31
BD600-10 (BD 34)		CONTRACT NO. 62648		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				