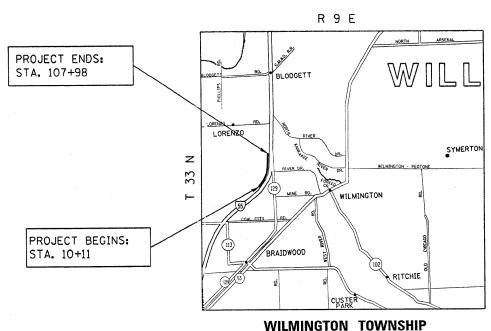
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.I. 55 (I-55 W. FRONTAGE RD.) CAVANAUGH RD. TO MURPHY RD. **SECTION: 99-2AC-1-RS-2**

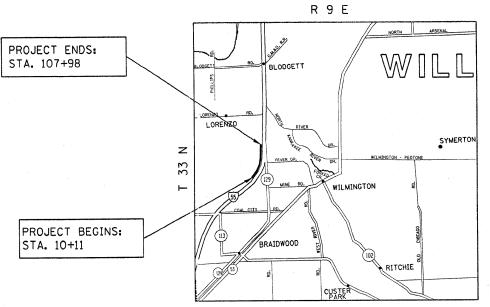
> WILL COUNTY C-91-264-10



TRAFFIC DATA

2006 ADT= 236 SPEED LIMIT= 45 mph

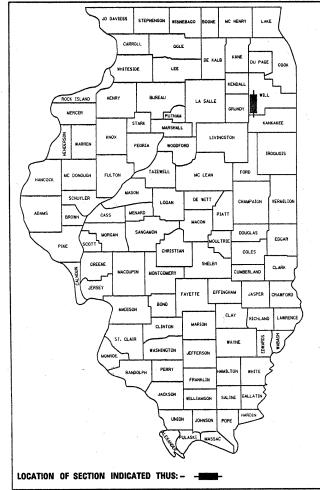
RESURFACING



GROSS AND NET LENGTH OF PROJECT = 9,787 FT. = 1.85 MILE

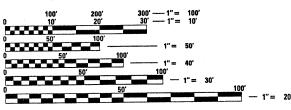
ILLINOIS CONTRACT NO. 60J74

D-91-264-10



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS SUBMITTED JANUARY 26, 20 10 Diane M. O'Kenfer
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER March 19 20 10 Scott E. St. H. P.E. & POING ENGINEER OF DESIGN AND EN IRONMENT Christine M. Zeed & DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLIN OIS



FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED IN UNINCORPORATED WILMINGTON TOWNSHIP IN WILL COUNTY.

ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT

ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENGINEER KARI SMITH (847) 705-4437 PROJECT MANAGER KEN ENG

CONTRACT NO. 60J74

1 *

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	EXISTING AND PROPOSED TYPICAL SECTIONS
5-8	ROADWAY AND PAVEMENT MARKING PLANS
9	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15'
10	BUTT JOINT AND HMA TAPER
11	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
12	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
14	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
15	ARTERIAL INFORMATION SIGNING

GENERAL NOTES:

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

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

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

HOT-MIX ASPHALT TAPERS SHALL BE INSTALLED AT THE ENDS OF PULVERIZATION (WHERE PULVERIZED PAVEMENT MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS UNLESS OTHERWISE SPECIFIED.

THE RESIDENT ENGINEER SHALL CONTACT MS. CORA MATHIS, AREA TRAFFIC FIELD ENGINEER, AT (815) 485-6475 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).

THE RESIDENT ENGINEER SHALL VERIFY LOCATIONS OF ALL EXISTING PAVEMENT MARKINGS PRIOR TO MILLING OR RESURFACING.

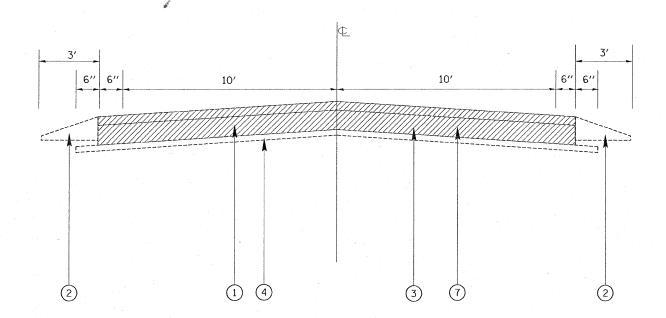
THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE INSTALLATION OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

STATE STANDARDS:

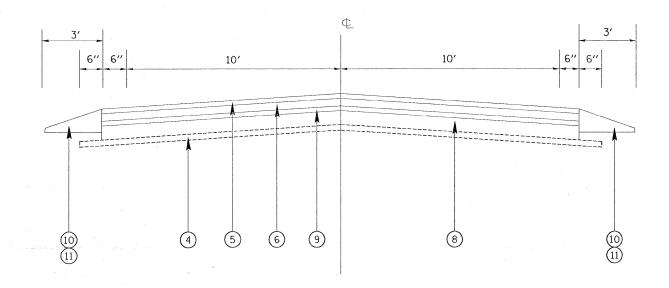
SHEET NO.	DESCRIPTION:
000001- <i>05</i>	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
406201 <i>-01</i>	MAILBOX TURNOUTS
630001- <i>00</i>	GUARDRAIL STEEL PLATE BEAM
630301- <i>05</i>	TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL, SHOULDER WIDENING FOR
635006 <i>- 03</i>	REFLECTOR AND TERMINAL MARKER PLACEMENT
701301 - <i>03</i>	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311 - 03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501 - <i>05</i>	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-01	TRAFFIC CONTROL DEVICES

FILE NAME =	USER NAME = rosierejm	DESIGNED ~	REVISED -	I SE WEST EPANTAGE POAD (CAVANALISH POAD TO MILIPPHY POAD) SET. SECTION				I-55 WEST FRONTAGE ROAD (CAVANAUGH ROAD TO MURPHY ROAD)		SECTION	COUNTY	TOTAL	SHEET
c:\pw_work\PWIDOT\ROSIEREJM\d0175433\E	01/6410~sht-plan.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS			•		RIE.	99-24C-1-PC-2	WTI	SHEETS	NO.
	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	INDEX	OF SHEETS, STA	TE STANDARDS, &	GENERAL NOTES	1 33 1	33-2AC-1-N3-2	CONTRAC	T NO. 6	0.174
	PLOT DATE = 1/30/2010	DATE -	REVISED -		SCALE:	SHEET NO. OF	SHEETS STA.	TO STA.	-	ILLINOIS FED. AI	D PROJEC	,5, 0	0017

0201200 REMMATI 1400100 GRAI 5101400 AGGI 51012000 AGGI 5501308 HOT 0600200 MIX' AND 0600300 AGGI 0600400 MIX' AND 0603300 HOT IL- 0603310 HOT MIX 0603340 HOT MIX 4000200 DRI 8101200 AGGI	ITEM RADING AND SHAPING SHOULDERS EMOVAL AND DISPOSAL OF UNSUITABLE ATERIAL RADING AND SHAPING DITCHES EGREGATE BASE COURSE, TYPE B EGREGATE BASE COURSE, TYPE B 8" ETUMINOUS MATERIALS (PRIME COAT) EGREGATE (PRIME COAT)	UNIT UNIT CU YD FOOT TON SO YD SO YD	TOTAL OUANTITIES 100% STATE 190 130 600 1295	190						CODE NO	ITEM	UNIT	TOTAL QUANTITIES 1004. STATE	1000					
0201200 REMMATI 1400100 GRAI 5101400 AGGI 51012000 AGGI 5501308 HOT 0600200 MIX' AND 0600300 AGGI 0600400 MIX' AND 0603300 HOT IL- 0603310 HOT MIX 0603340 HOT MIX 4000200 DRI 8101200 AGGI	EMOVAL AND DISPOSAL OF UNSUITABLE INTERIAL RADING AND SHAPING DITCHES GGREGATE BASE COURSE, TYPE B GGREGATE BASE COURSE, TYPE B 8" OT-MIX ASPHALT BASE COURSE, 6" TUMINOUS MATERIALS (PRIME COAT)	CU YD FOOT TON SO YD	130	130			-						T	1			T	1	1
MATI 1400100 GRAI 5101400 AGGI 5102000 AGGI 5501308 HOT- 0600200 BITI 0600300 AGGI 0600400 MIX' AND 0600895 CONS 0603080 HOT- IL- 0603310 HOT- MIX 0603340 HOT- MIX 4000200 DRIV	RADING AND SHAPING DITCHES GGREGATE BASE COURSE, TYPE B GGREGATE BASE COURSE, TYPE B 8" OT-MIX ASPHALT BASE COURSE, 6" TUMINOUS MATERIALS (PRIME COAT)	FOOT TON SO YD	600						4	70300220	TEMPORARY PAVEMENT MARKING	FOOT	21989	21989					
1400100 GRAI 5101400 AGGI 5102000 AGGI 5501308 HOT- 0600200 BITI 0600300 AGGI 0600400 MIX' AND 0600895 CONS 0603080 HOT- IL- 0603310 HOT- MIX 0603340 HOT- MIX 4000200 DRIV	RADING AND SHAPING DITCHES GGREGATE BASE COURSE, TYPE B GGREGATE BASE COURSE, TYPE B 8" OT-MIX ASPHALT BASE COURSE, 6" TUMINOUS MATERIALS (PRIME COAT)	TON SO YD		500						70301000	- LINE 4" WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	885	885					
5102000 AGGI 5501308 HOT 0600200 BITI 0600300 AGGI 0600400 MIX' AND 0600895 CONS 0603080 HOT IL- 0603310 HOT MIX 4000200 DRIV	GGREGATE BASE COURSE, TYPE B 8" OT-MIX ASPHALT BASE COURSE, 6" TUMINOUS MATERIALS (PRIME COAT)	SO YD	1295	600						• 78000200	THERMOPLASTIC PAVEMENT MARKING	FOOT	21989	21989					
5501308 HOT- 0600200 BITI 0600300 AGGI 0600400 MIX' AND 0600895 CONS 0603080 HOT- IL- 0603310 HOT- MIX 0603340 HOT- MIX 4000200 DRIV	OT-MIX ASPHALT BASE COURSE, 6" TUMINOUS MATERIALS (PRIME COAT)			1295							- LINE 4"	5.00							
D600200 BITU D600300 AGGI D600400 MIX' AND D600895 CONS D603080 HOT- IL- D603310 HOT- MIX D603340 HOT- MIX 4000200 DRI' B101200 AGGI	TUMINOUS MATERIALS (PRIME COAT)	SO YD	711	711						* 78100100 * 78200420	RAISED REFLECTIVE PAVEMENT MARKER GUARDRAIL MARKERS, TYPE B	EACH	124	124					
D600300 AGGI D600400 MIX' AND D600895 CONS D603080 HOT- IL- D603310 HOT- MIX D603340 HOT- MIX 4000200 DRIV			167	167	,	;				* 78200420 * 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2					
D600400 MIX'AND D600895 CONS D603080 HOT IL- D603310 HOT MIX D603340 HOT MIX 4000200 DRIV	GREGATE (PRIME COAT)	TON	19	19						78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	80	80					
AND D600895 CONS D603080 H0T IL- D603310 H0T MIX D603340 H0T MIX 4000200 DRI B101200 AGGG		TON	92	92						10300200	REMOVAL	LACII	00						
D603080 HOT- IL D603310 HOT- MIX D603340 HOT- MIX 4000200 DRIV B101200 AGG	XTURE FOR CRACKS, JOINTS, ID FLANGEWAYS	TON	35	35						x0322256	TEMPORARY INFORMATION SIGNING	SO FT	51.4	51.4					
1L- 0603310 HOT MIX 0603340 HOT MIX 4000200 DRIV	DISTRUCTING TEST STRIP	EACH	1	1						X0326861	PULVERIZATION TOPSOIL FURNISH AND PLACE 4"	50 YD	21394	21394 1800					
MIX D603340 H0T- MIX 4000200 DRI' B101200 AGG	OT-MIX ASPHALT BINDER COURSE, -19.0, N50	TON	5319	5319	-		- Total	HEPTH.		1 1	SEEDING, CLASS 24 NITROGEN FERTILIZER NUTRIENT	POLINO	0.4 34	0.4 34	rentation of	. do so lenn			
MIX 4000200 DRIV 8101200 AGG	OT-MIX ASPHALT SURFACE COURSE, X "C", N50	TON	80	80		2				25000600	PHOSPHORUS FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT EROSION CONTROL BLANKET	POUND SQ YD		34 34 1800					
8101200 AGG	DT-MIX ASPHALT SURFACE COURSE, X "D", N7O	TON	1920	1920					-				, 5						
	RIVEWAY PAVEMENT REMOVAL	SO YD	134	134															
8203015 HOT	GREGATE SHOULDERS. TYPE B	TON	1736	1736								a managa watan da ka				- "			
	OT-MIX ASPHALT SHOULDERS, 4 1/2"	SO YD	35	3 5		V i													
0105220 PIPI	PE CULVERT REMOVAL	FOOT	160	160							DENOTES SPECIALTY ITEM								
5	RECAST REINFORCED CONCRETE FLARED END	EACH	2	2							DENOTES SIEGRETT TIEM								
	RECAST REINFORCED CONCRETE FLARED END	EACH	8	8								:							
	RATING FOR CONCRETE FLARED END	EACH	8	8														4.7	
42A0217 PIP	PE CULVERTS, CLASS A, TYPE 1 12"	FOOT	20	20							,							1	
42A0223 PIP	PE CULVERTS, CLASS A, TYPE 1 18"	FOOT	140	140															
	TEEL PLATE BEAM GUARDRAIL, TYPE A, 6 DOT POSTS	FOOT	130	130															
i i	RAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL) TANGENT	EACH	2	2															
3200310 GUA	JARDRAIL REMOVAL	FOOT	26	- 26															
7000400 ENG	NGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6															
7100100 MOB	DBILIZATION	L SUM	1	1		4													
	RAFFIC CONTROL AND PROTECTION, FANDARD 701501	L SUM	1	1															
0300100 SHO	HORT-TERM PAVEMENT MARKING	FOOT	2654	2654															-
																,			
-				1	1			:										1	1
E_NAME_= w_work\pwidat\rosierejm\d0i75	USER NAME = rosters I m	DESIGNED -		REVISED				1			I–55 WEST FRONTAGE ROAD				F.A.I. RTE.		CTION	COUNTY	TOTAL SHE



I-55 WEST FRONTAGE ROAD EXISTING TYPICAL SECTION STA. 10+11 TO STA. 107+18



I-55 WEST FRONTAGE ROAD TYPICAL PROPOSED SECTION STA. 10+11 TO 107+18

LEGEND

- 1) EXISTING HMA SURFACE, ± 1.5"
- (2) EXISTING AGGREGATE SHOULDER
- (3) EXISTING COMPACTED GRAVEL OR CRUSHED STONE BASE COURSE ±7"
- (4) EXISTING SUB-BASE GRANULAR MATERIAL, ±5"
- (5) PROPOSED HMA SURFACE COURSE, MIX D, N70, (IL 9.5 MM) 1-1/2"
- 6 PROPOSED HOT-MIX ASPHALT BINDER IL-19.0, N50, 4-1/2" (IN 1 LIFT)
- (7) PROPOSED PULVERIZATION, 8.5"
- (8) PROPOSED PULVERIZED MATERIAL, 8.5"
- 9 PROPOSED AGGREGATE BASE COURSE, TYPE B, 2"
- 10 PROPOSED AGGREGATE SHOULDER, TYPE B
- (11) PROPOSED SHAPING AND GRADING SHOULDERS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

	MIXTURE USE	AIR VOIDS (%)
ROADWAY	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 MM), 1 1/2"	4% @ 70 GYR
RUADWAY	HOT-MIX ASPHALT BINDER, IL-19.0, N50, 4 1/2"	4% @ 50 GYR
DRIVEWAY	HOT-MIX ASPHALT BASE COURSE, 6" (HMA BINDER, IL-19 MM)	4% @ 50 GYR
DKIVEWAT	HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N50 (IL 9.5 MM) 2"	4% @ 50 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.

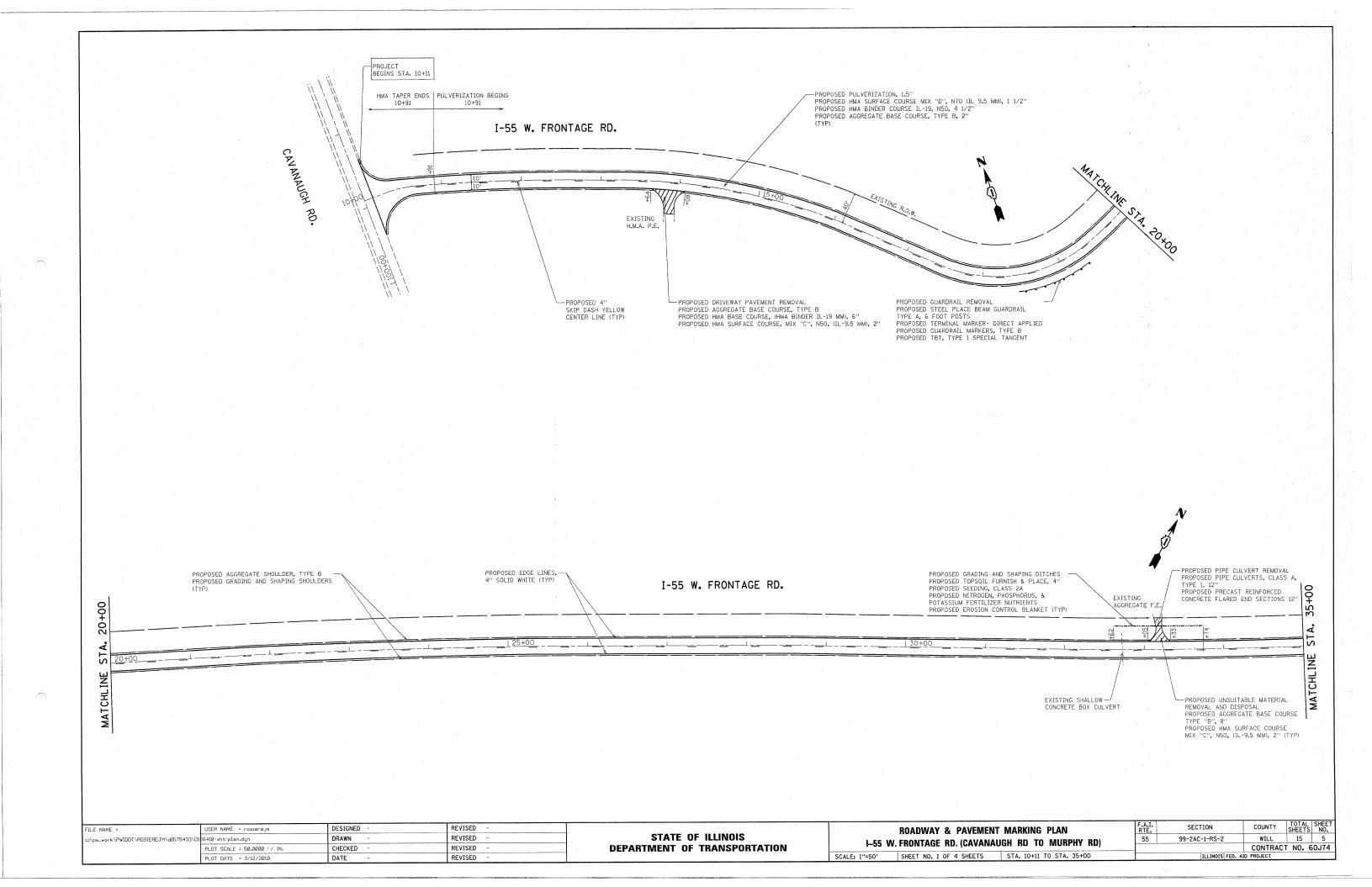
* THE "AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22"
AND FOR NON POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS
MODIFIED BY DISTRICT 1 SPECIAL PROVISIONS.
FOR "PERCENT OF RAP" SEE DISTRICT 1 SPECIAL PROVISIONS

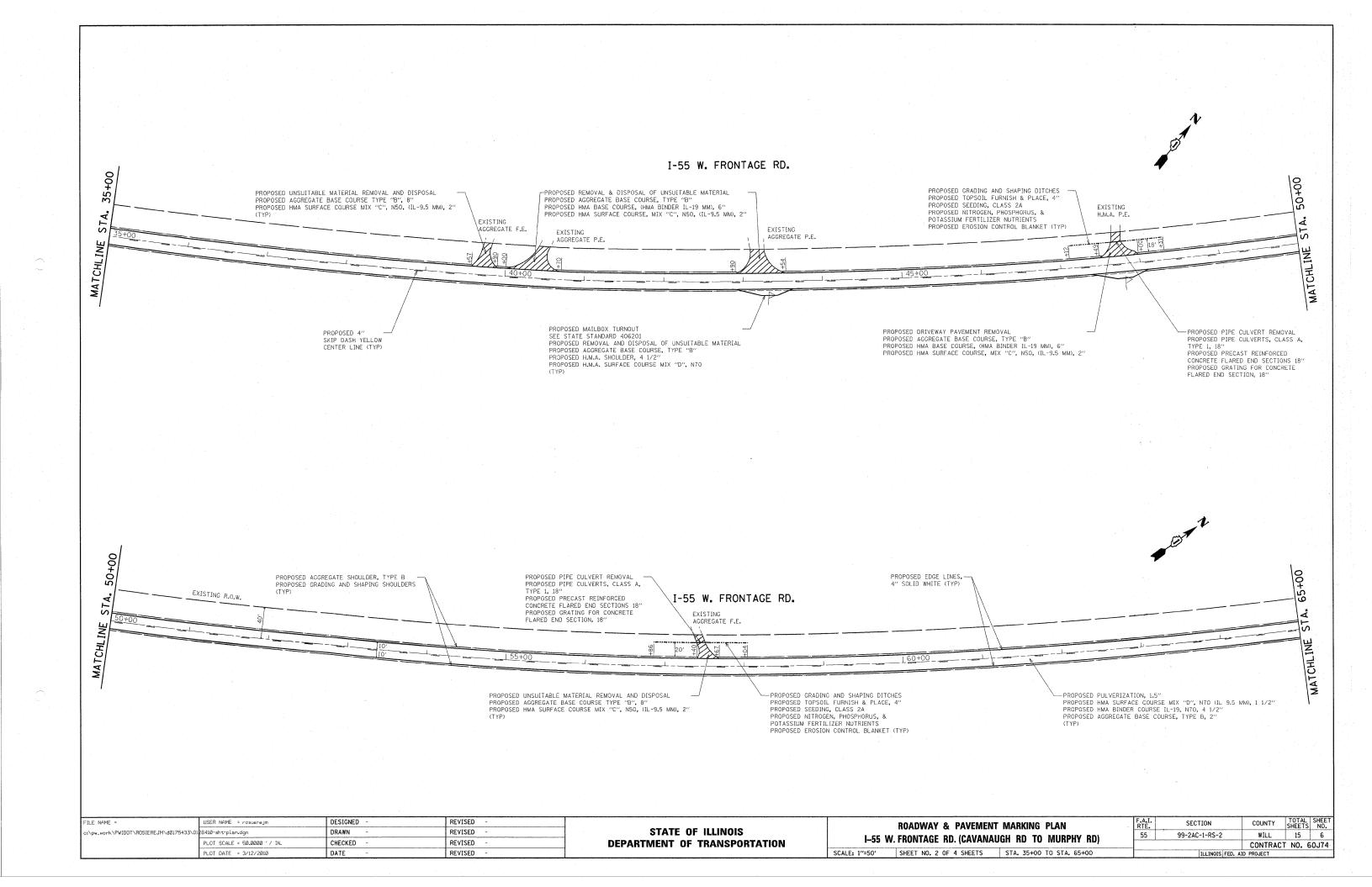
FILE NAME =	USER NAME = rosierejm	DESIGNED -	REVISED -	i
c:/pwiwork/pwidot/rosierejm/d0175433/D12	6410-sht-plan.dgn	DRAWN -	REVISED -	ĺ
	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED -	ĺ
The state of the s	PLOT DATE = 1/30/2010	DATE -	REVISED -	i

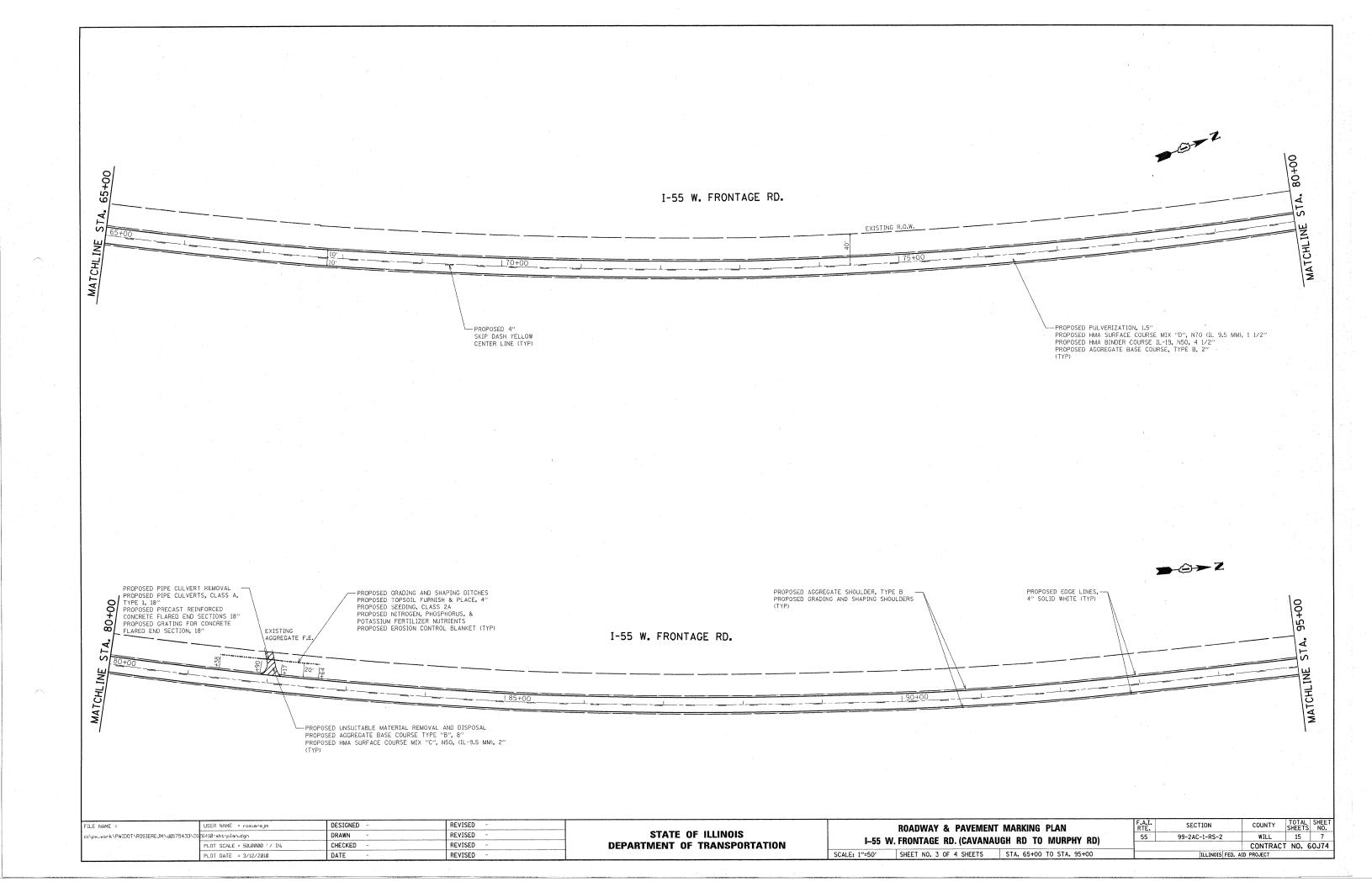
STATE	0F	ILLINOIS
DEPARTMENT	OF 7	TRANSPORTATION

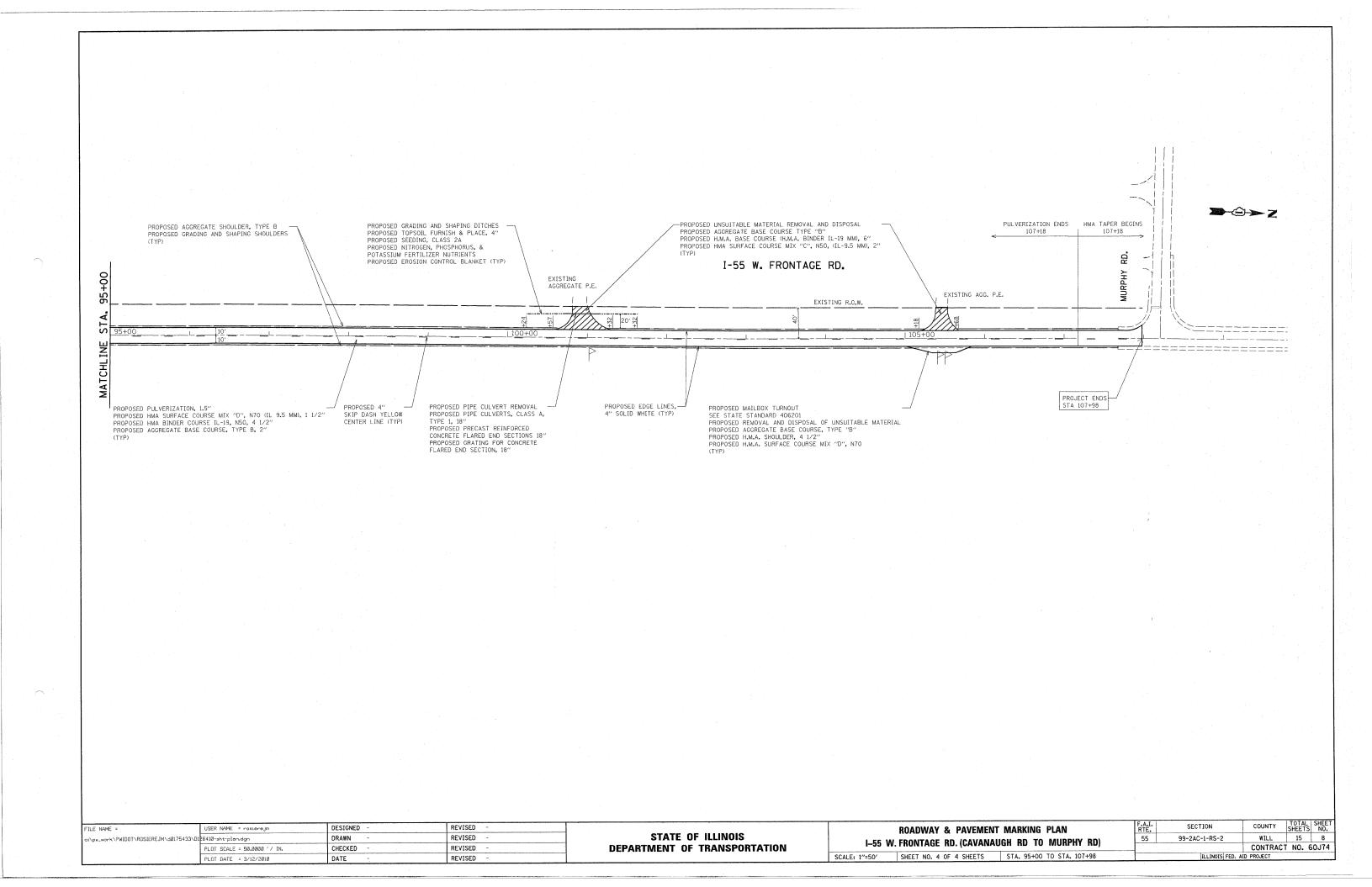
	I 5 5	WEST	FRONTAGE	ROAD	(CAVANAU	GH RD.	т0	MURPHY	RD.)	
	TYPICAL SECTIONS									
AI	г.		CHEET NO	OE	CUEETC C	TA		TO STA		

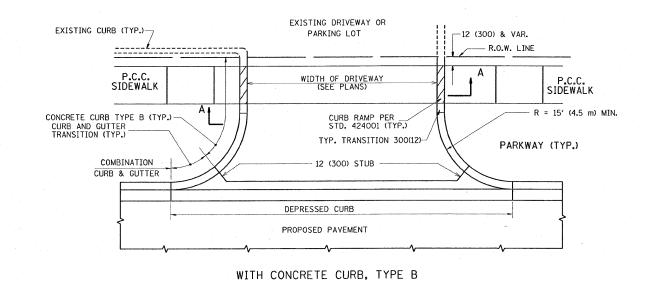
ILLINOIS FED. AID PROJECT										
		CONTRACT	NO. 6	50J74						
55	99-2AC-1-RS-2	WILL	15	4						
A.I. TE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.						

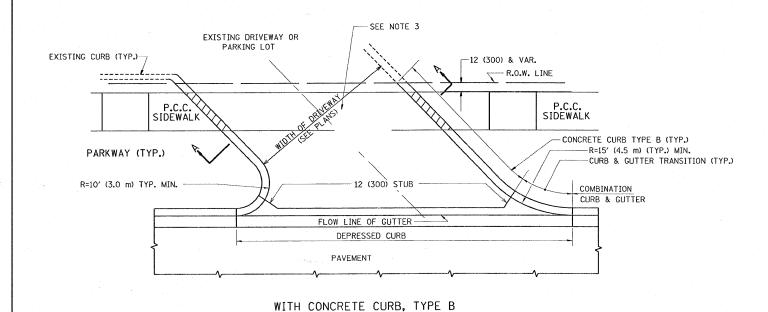


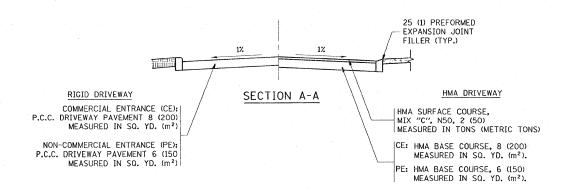


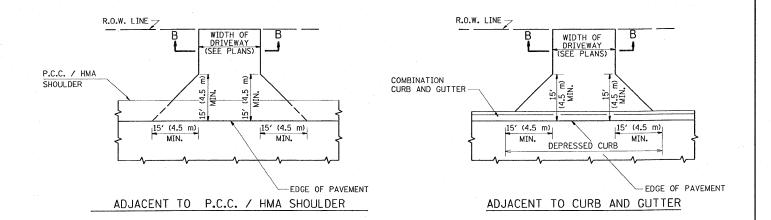


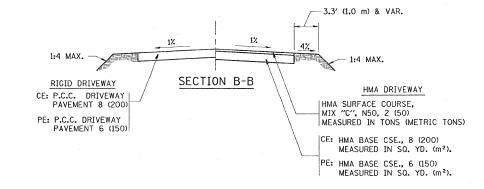












RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE, MIX "C", N50, 2 (50) MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

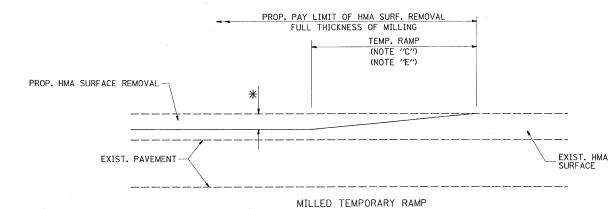
1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME =	USER NAME = rosierejm	DESIGNED -	R. SHAH	REVISED	~ М.	. GOMEZ 04-06-01
c:\pw_work\pwidot\rosierejm\dØ175433\Dis	tStd.dgn	DRAWN -		REVISED	- P.	LaFLUER 04-15-03
f	PLOT SCALE = 50.0000 '/ IN.	CHECKED ~		REVISED	- R.	. BORO 01-01-07
	PLOT DATE = 1/30/2010	DATE -	11-04-95	REVISED	- R.	BORO 06-11-08

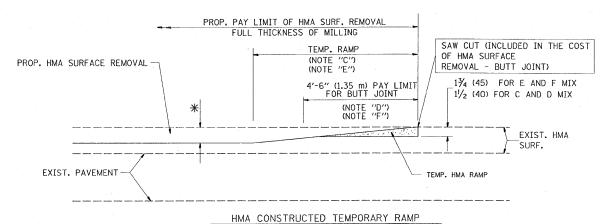
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.	F.A.I. SECTION	COUNTY TOTAL SHEET NO.		
	55 99-2AC-1-RS-2	WILL 15 9		
AND FACE OF CURB & EDGE OF SHOULDER > = 15' (4.5 m)	BD0156-07 (BD-01)	CONTRACT NO. 60J74		
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AI	PROJECT		



(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

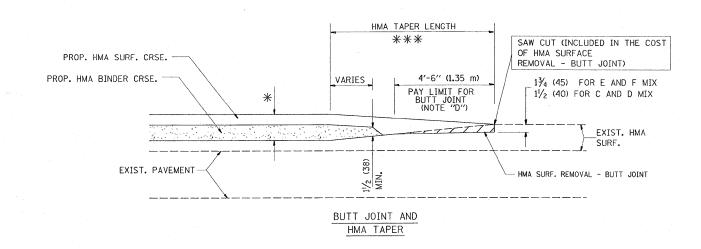
OPTION 1



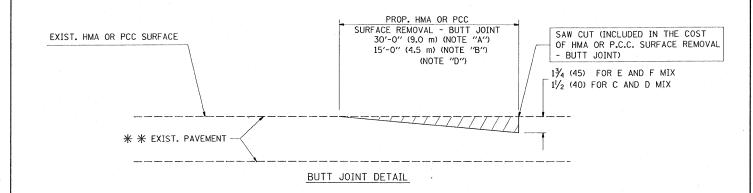
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

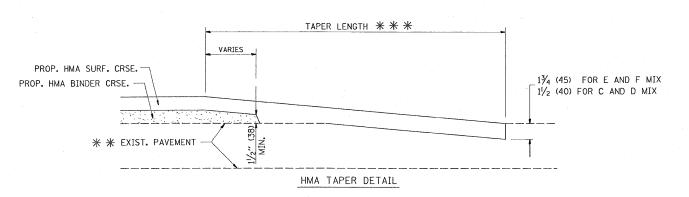
OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING





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:

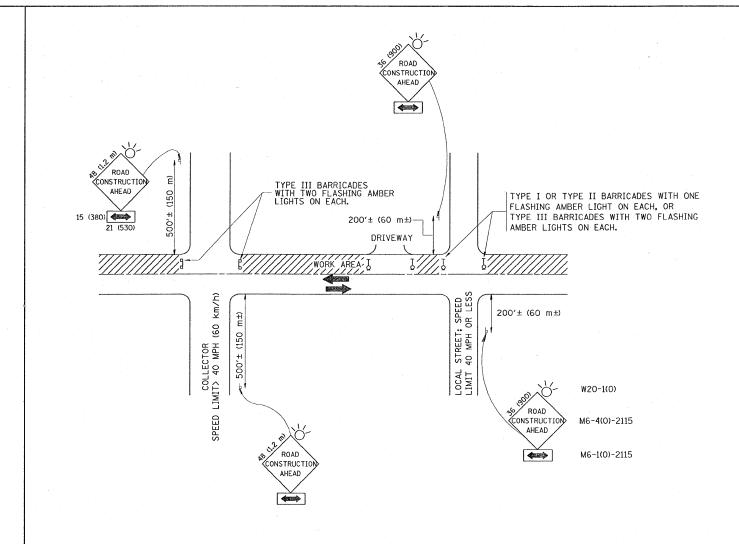
THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

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

FILE NAME =	USER NAME = rosierejm	DESIGNED	-	M. DE YONG	REVISED	-	R. SHAH 10-25-94
c:\pw_work\pwidot\rosierejm\d0175433\Dis	:Std.dgn	DRAWN	-		REVISED	-	A. ABBAS 03-21-97
	PLOT SCALE = 50.00000'/ IN.	CHECKED	-		REVISED	-	M. GOMEZ 04-06-01
	PLOT DATE = 1/30/2010	DATE	-	06-13-90	REVISED	-	R. BORO 01-01-07

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

		BUT	T JOINT A	AND		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		LIBER.				55	99-2AC-1-RS-2	WILL	15	10
HMA TAPER DETAILS							BD400-05 BD32	CONTRACT	NO. 6	0J74
SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	FED. RO	DAD DIST. NO. 1 ILLINOIS FED. A	D 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:
- O) 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 POLITE
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

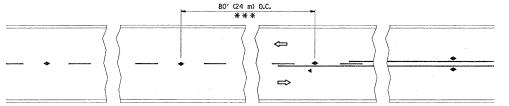
All dimensions are in millimeters (inches) unless otherwise shown.

'				
FILE NAME =	USER NAME = rosierejm	DESIGNED - LHA	REVISED -	J. OBERLE 10-18-95
c:\pw_work\PWIDOT\ROSIEREJM\dØ175433\Di	stStd.dgn	DRAWN -	REVISED -	A. HOUSEH 03-06-96
	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED -	A. HOUSEH 10-15-96
	PLOT DATE = 1/30/2010	DATE - 06-89	REVISED -T	. RAMMACHER 01-06-00

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

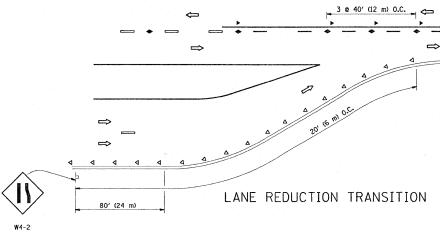
	TRAFFIC	CONTR	OL AND P	ROTECTIO	N FOR
-	SIDE ROADS	S, INTER	SECTIONS	, AND DE	IIVEWAYS
SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.

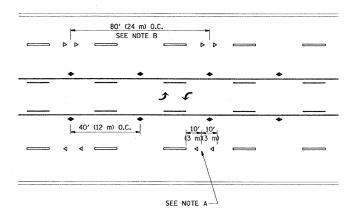
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-2AC-1-RS-2	WILL	15	11
 	TC-10	CONTRACT	NO. 6	0J74
FFD. R	DAD DIST NO. 1 ILLINOIS FED. 41	D PROJECT		



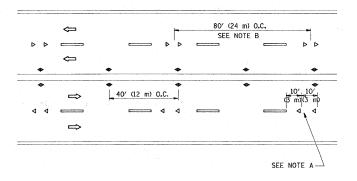
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

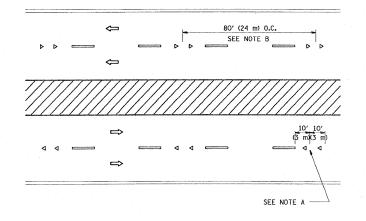




TWO-WAY LEFT TURN



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.
- MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) I LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

LANE MARKER NOTES

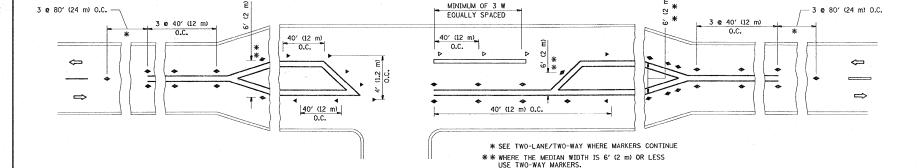
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

SYMBOLS

WHITE STRIPE

---- YELLOW STRIPE

- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER



LEFT TURN

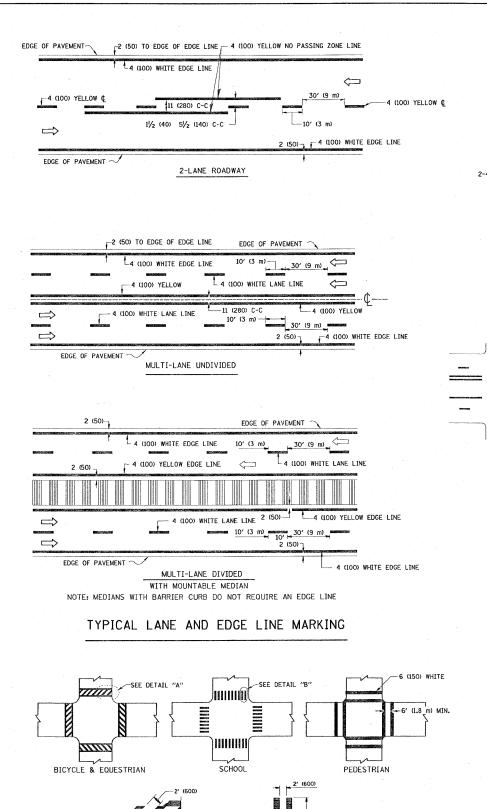
DESIGN NOTES

- 1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- 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.
- MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

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

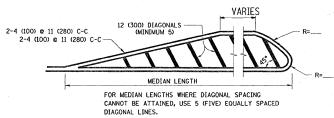
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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



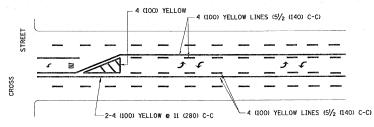
2-4 (100) YELLOW @ 11 (280) C-C-4' (1.2 m) OUTSIDE TO NO DIAGONALS OUTSIDE OF LINES - 2-4 (100) YELLOW @ 11 (280) C-C

4' (1.2 m) WIDE MEDIANS ONLY

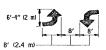


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

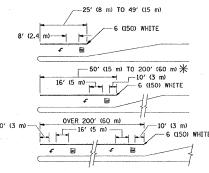


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

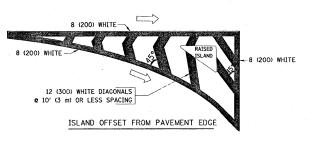
TYPICAL PAINTED MEDIAN MARKING

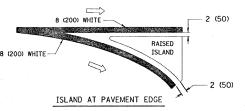


* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING





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)	ŠOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (J.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	SOLID	YELLOW: TWO WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE
	© 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	-	WHITE: ONE WAY TRAFFIC	SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIACONALS: 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 S0. FT. (0.33 m²) EACH "X"=54.0 S0. FT. (5.0 m²)
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) T0 45MPH (70 km/h)) 150' (45 m) C-C (0VER 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.

ł								
FILE NAME =	USER NAME = rosierejm	DESIGNED	-,	EVERS	REVISED	-T.	RAMMACHER	10-27-94
c:\pw_work\pwidot\rosierejm\d0175433\Dis	:Std.dgn	DRAWN	-		REVISED	-C.	JUCIUS	09-09-09
	PLOT SCALE = 50.0000 '/ IN.	CHECKED	-		REVISED	-		
·	PLOT DATE = 1/30/2010	DATE	-	03-19-90	REVISED	-		

-6 (150) WHITE

TYPICAL CROSSWALK MARKING

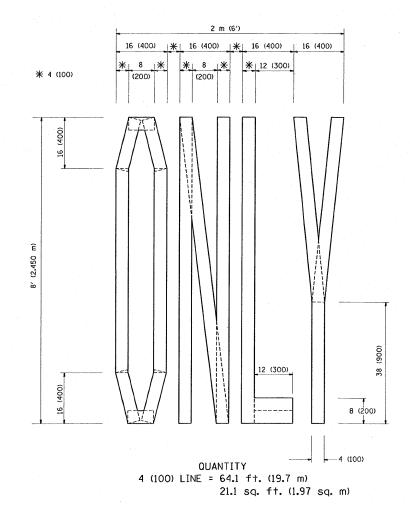
DETAIL "A"

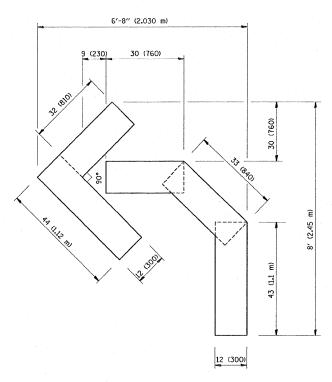
of States

12 (300) WHITE DETAIL "B"

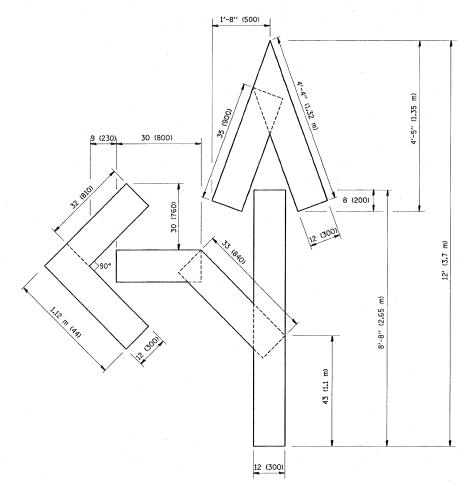
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

			D	ISTRICT OF	F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		TVAL	_		55	99-2AC-1-RS-2	WILL	15	13		
TYPICAL PAVEMENT MARKINGS								TC-13	CONTRACT	NO. 6	OJ74
SCALE: NONE	D PROJECT										





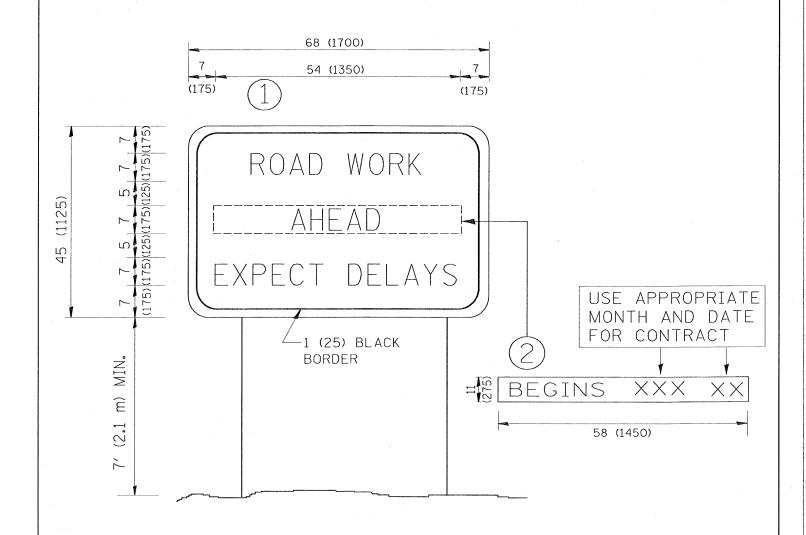
QUANTITY 4 (100) LINE = 45.5 ft. (13.9 m) 15.2 sq. ft. (1.39 sq. m)



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

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

FILE NAME =	USER NAME = rosierejm	DESIGNED -	REVISED -T. RAMMACHER 06-05-96			PAVEMENT MARKING LETTE	De AND EVASORIE	F.A.I.	SECTION	COUNTY	TOTAL SHEET
c:\pw_work\PWIDOT\ROSIEREJM\dØ175433\C	istStd.dgn	DRAWN -	REVISED -T. RAMMACHER 11-04-97				55	99-2AC-1-RS-2	WILL	15 14	
	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98			FOR TRAFFIC S		TC-16	CONTRAC	T NO. 60J74	
	PLOT DATE = 1/30/2010	DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. RO		D. AID PROJECT	1 1101



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 = rosierejm	DESIGNED -	REVISED - R. MIRS	09-15-97				ARTERIAL RO	AD		F.A.I.	SECTION	COUNTY	TOTAL SHE
c:\pw_work\PWIDOT\ROSIEREJM\d0175433\D:	stStd.dgn	DRAWN -		12-11-97	STATE OF ILLINOIS						55	99-2AC-1-RS-2	WILL	15 15
·	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED -T. RAMMACHE	HER 02-02-99	DEPARTMENT OF TRANSPORTATION	INFORMATION SIGN					TC-22	CONTRACT	「 NO. 60J74	
` ·	PLOT DATE = 1/30/2010	DATE -	REVISED - C. JUCIU	US 01-31-07		SCALE: NONE	SHEET NO. 1 OF	F 1 SHEETS	STA.	TO STA.	FED. ROAD	DIST. NO. 1 ILLINOIS FED. A	ID PROJECT	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,