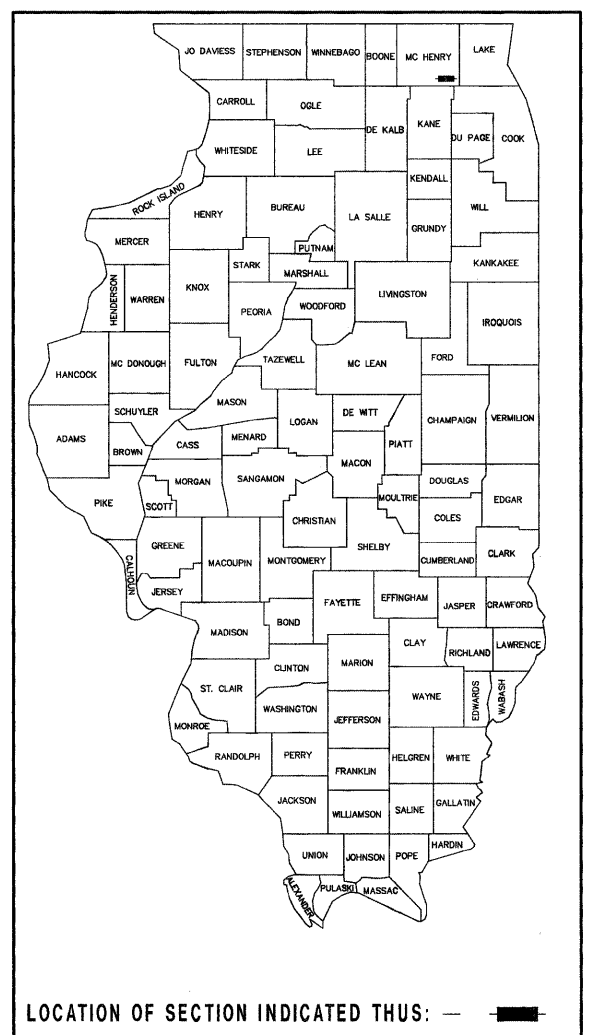


F.A.U. ROUTE	MUNICIPAL SECTION	COUNTY	TOTAL SHEET SHTS.	NO.
3702	09-00003-00-SP	MCHENRY	8	1
COVER SHEET				
F.H.W.A. REG.5 ILLINOIS PROJECT ARA-9003(476)				

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID HIGHWAY

**FAU 3702 (RAWSON BRIDGE ROAD)**  
RESURFACING, GUARDRAIL REPLACEMENT, SIGNAGE  
**SECTION 09-00003-00-SP**  
**PROJECT NO. ARA-9003(476)**  
MCHENRY COUNTY  
VILLAGE OF PORT BARRINGTON  
**JOB #: C-91-059-10**

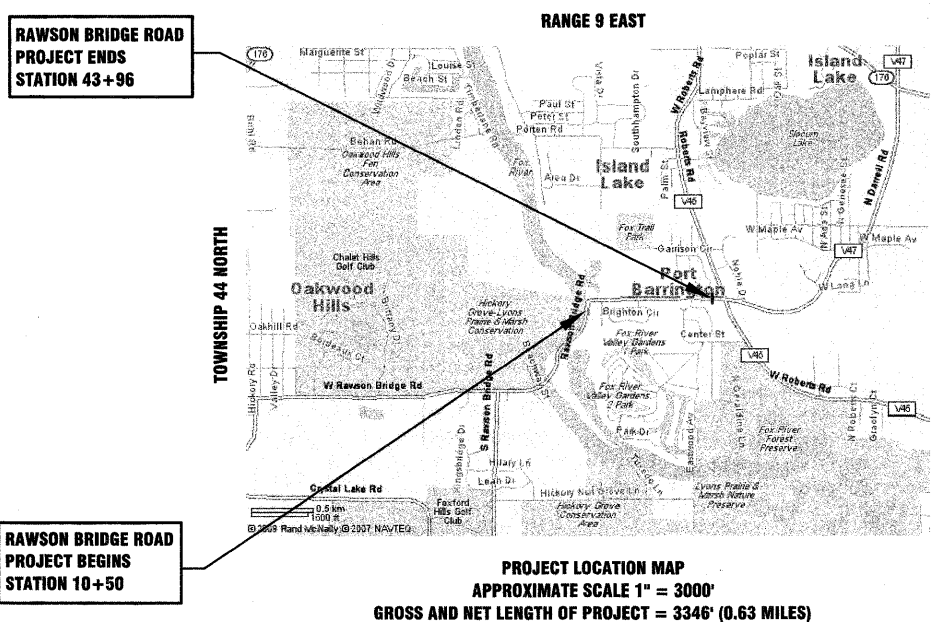


**INDEX TO SHEETS**

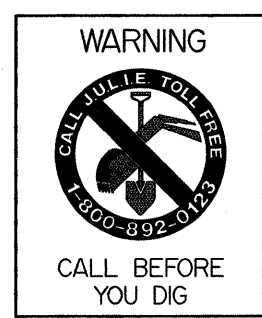
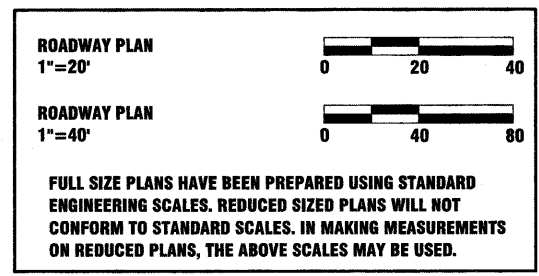
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES, TYPICAL SECTIONS, SUPPLEMENTAL LEGEND
3	SUMMARY OF QUANTITIES AND SCHEDULES
4	RAWSON BRIDGE ROAD PLAN 10+50 TO 14+50 (1"=20')
5	RAWSON BRIDGE ROAD PLAN 14+50 TO 43+96 (1"=40')
6	BD 32 BUTT JOINT AND HMA TAPER DETAILS
7	TC-10 TRAFFIC CONTROL & PROTECTION FOR SIDE ROADS, INTERSECTIONS & DRIVEWAYS
8	TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS

**STATE STANDARDS**

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
482011-03	HMA SHOULDER STRIPS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542301-02	PRECAST REINFORCED FLARED END SECTION
602011-01	CATCH BASIN TYPE C
604036-02	GRATE TYPE 8
630001-08	STEEL PLATE BEAM GUARDRAIL
631011-06	TRAFFIC BARRIER TERMINAL TYPE 2
701006-03	OFF ROAD OPERATIONS 2L2W 15' TO 24' FROM PAVEMENT EDGE
701306-02	LANE CLOSURE 2L2W SLOW MOVING-DAY
701311-03	LANE CLOSURE 2L2W MOVING-DAY
701501-05	URBAN LANE CLOSURE 2L2W UNDIVIDED
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS



**GRAPHIC SCALES**



**ADT = 8,000 (2008)**  
**POSTED SPEED LIMIT = 30 MPH**  
**DESIGN SPEED = 30 MPH**  
**DESIGN DESIGNATION = COLLECTOR**  
**CONTRACT NO. 63341**

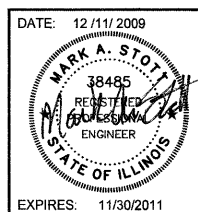
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS**

APPROVED DECEMBER 10 2009  
*Mark C. Rooney*  
VILLAGE OF PORT BARRINGTON

PASSED December 11, 2009  
*C. Holt/dfc*  
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW December 11, 2009  
*Diana M. O'Keefe*  
DEPUTY DIRECTOR OF HIGHWAYS REGION 1 ENGINEER



**HAMPTON, LENZINI AND RENWICK, INC.**  
CIVIL ENGINEERS - STRUCTURAL ENGINEERS - LAND SURVEYORS  
**HLR**  
380 SHEPARD DRIVE  
ELGIN, ILLINOIS 60123  
847.697.6700 www.hltrengineering.com  
184 000959  
ILLINOIS PROFESSIONAL DESIGN FIRM & STRUCTURAL ENGINEERING CORP.

DATE: 12/11/2009  
EXPIRES: 11/30/2011

PROJECT NUMBER: 09.0049.330 DATE: 12/10/2009

ASSOCIATE FIELD ENGINEER: KEVIN STALLWORTH 847-705-4169

**GENERAL NOTES**

ALL WORK SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," ADOPTED JANUARY 1, 2007, (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," ADOPTED JANUARY 1, 2010; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE DETAILS IN THE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

THE CONTRACTOR SHALL COOPERATE WITH THE VILLAGE OF PORT BARRINGTON IF ANY MUNICIPAL UTILITY IMPROVEMENTS ARE REQUIRED WITHIN THE DURATION OF THE CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT OR PROTECTION IS NECESSARY.

THE LOCATION ON THE PLANS OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC AND PRIVATE UTILITIES IS APPROXIMATE AND THEIR EXACT LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT OR A PROFESSIONAL LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

ALL ELEVATIONS ARE ON AN ASSUMED LOCAL DATUM.

WHENEVER ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AN OPERATING CONDITION TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS AND CATCH BASINS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

ALL ITEMS TO BE REMOVED SHALL BE SAW CUT TO A DEPTH TO ENSURE REMOVAL WITHOUT DAMAGE TO ADJACENT FEATURES TO REMAIN IN PLACE. THE COST OF SAWCUTTING WILL BE INCLUDED IN THE COST OF ITEMS BEING REMOVED.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR HIS WORK. ANY WORK THAT IS VANDALIZED OR OTHERWISE DAMAGED AND JUDGED UNACCEPTABLE BY THE VILLAGE SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

FORTY-EIGHT HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR WILL CALL J.U.L.I.E. (1-800-892-0123) TO HAVE THE LOCATION OF EXISTING UTILITIES STAKED.

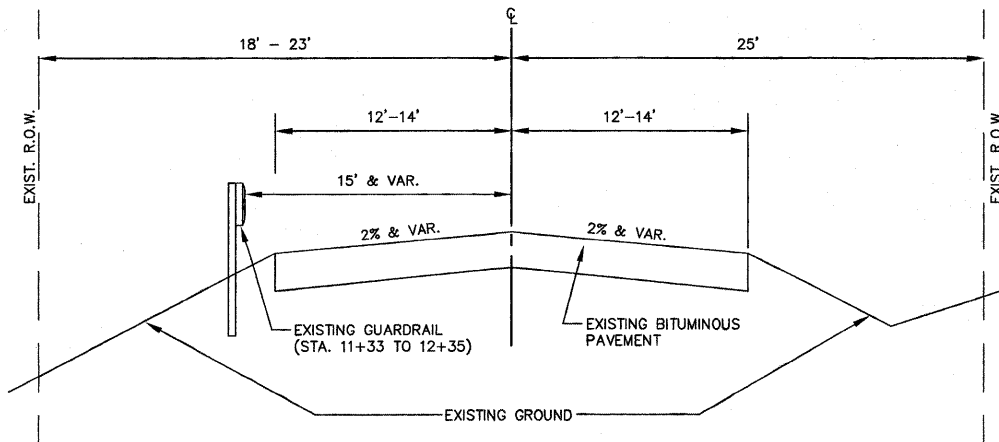
**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AC TYPE	AIR VOIDS
HOT-MIX ASPHALT LEVELING BINDER, (MACHINE METHOD), N50	PG 64-22*	4% @ 50 Gyr.
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (1.9.5mm)	PG 64-22	4% @ 50 Gyr.

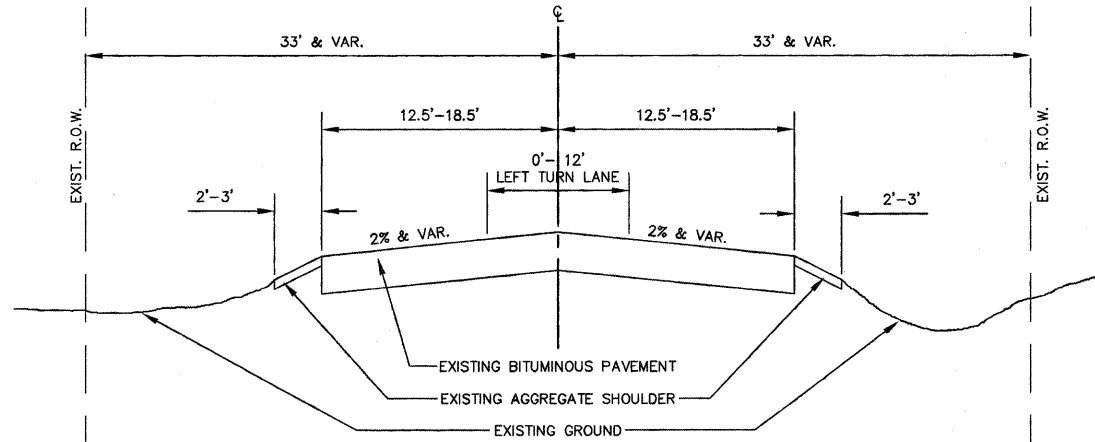
THE WEIGHT USED TO CALCULATE SURFACE MIXTURE QUANTITIES IS 112 LBS / SQ YD/ INCH.

~~ALL LAYERS EXCEEDING 2 INCH THICKNESS SHALL BE COMPACTED TO 98% RELATIVE DENSITY.~~  
 THE "AC TYPE" FOR POLYMER (SBS) 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 ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

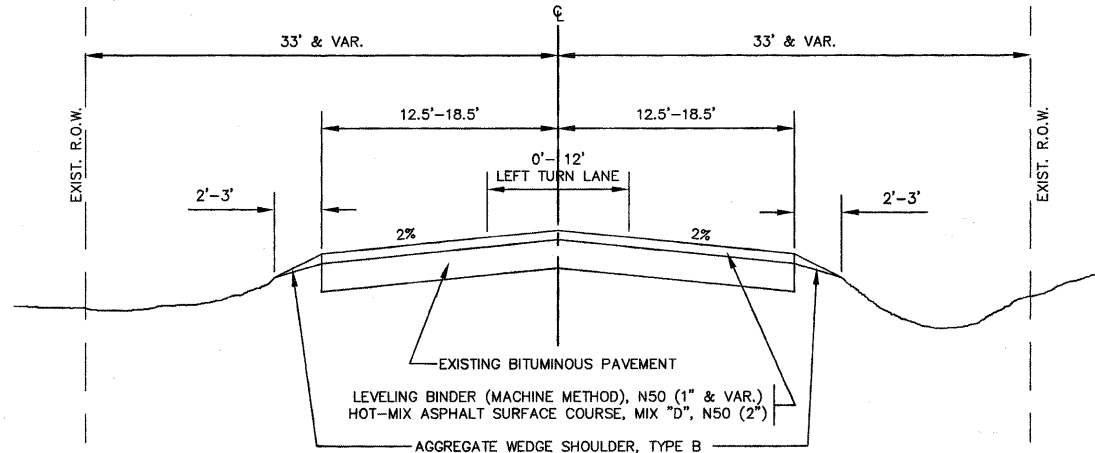
**RAWSON BRIDGE ROAD  
EXISTING TYPICAL SECTION  
STATION 10+50 TO 13+25  
NOT TO SCALE**



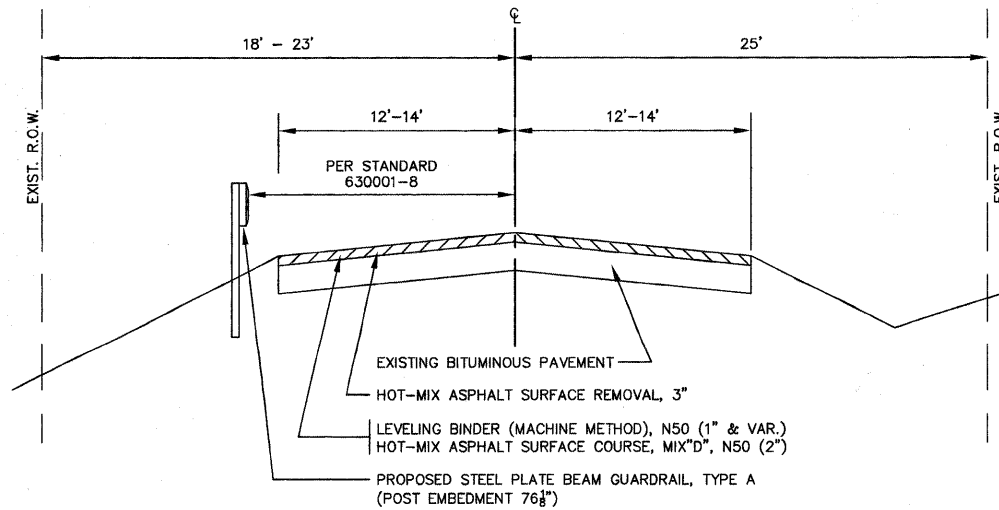
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EXISTING TYPICAL SECTION  
STATION 13+25 TO 43+96  
NOT TO SCALE**



**RAWSON BRIDGE ROAD  
PROPOSED TYPICAL SECTION  
STATION 13+25 TO 43+96  
NOT TO SCALE**

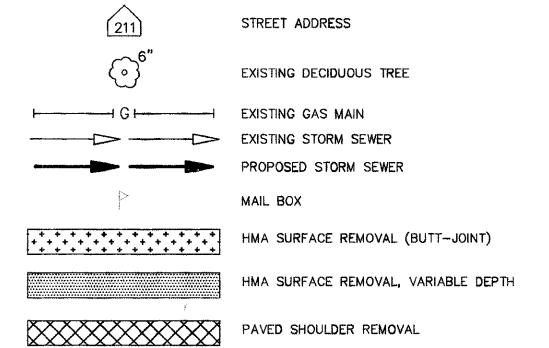


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PROPOSED TYPICAL SECTION  
STATION 10+50 TO 13+25  
NOT TO SCALE**

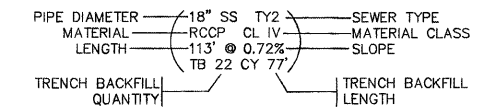


NOTE: PROPOSED PAVEMENT SURFACE SHALL NOT BE PLACED AT A HIGHER ELEVATION THAN EXISTING PAVEMENT IN THIS SECTION.

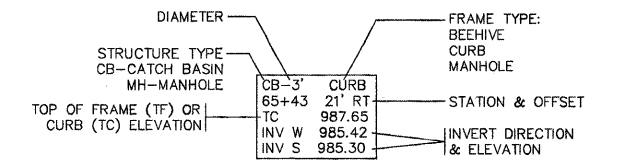
**SUPPLEMENTAL LEGEND**



**PIPE NOTATION**



**STRUCTURE NOTATION**



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 Dec 11, 2009 at 11:27

USER NAME =	DESIGNED =	REVISED =
PLOT SCALE =	CHECKED =	REVISED =
PLOT DATE =	DATE =	REVISED =

**HAMPTON, LENZINI AND RENWICK, INC.**  
 380 SHEPARD DRIVE · ELGIN, ILLINOIS 60123  
 847-697-6700 · www.hlrengineering.com  
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**RAWSON BRIDGE ROAD  
GENERAL NOTES AND TYPICAL SECTIONS**

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

F.A.U. RTE. 3702	SECTION 09-00003-00-SP	COUNTY McHENRY	TOTAL SHEETS 8	SHEET NO. 2
CONTRACT NO. 63341			FED. ROAD DIST. NO. 0 ILLINOIS FED. AID PROJECT ARA-9003(476)	

**SUMMARY OF QUANTITIES**

CODE	ITEM DESCRIPTION	UNIT	QUAN- TITY	SP PR	SPEC ITEM
28000500	INLET AND PIPE PROTECTION	EACH	2		
20800150	TRENCH BACKFILL	CU YD	3		
28000400	PERIMETER EROSION BARRIER	FOOT	60		
40600180	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1903		
40600300	AGGREGATE (PRIME COAT)	TON	19		
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	726		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	710		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1452		
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	1317		
44201749	CLASS D PATCHES, TYPE I, 9 INCH	SQ YD	10		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	179		
50105200	REMOVE EXISTING CULVERTS	EACH	1	*	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1		
55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 12"	FOOT	28		
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1		
63000130	STEEL PLATE BEAM GUARD RAIL, TYPE A (SPECIAL)	FOOT	138	*	*
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2		*
63200310	GUARDRAIL REMOVAL	FOOT	119		
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	600		
72000100	SIGN PANEL - TYPE 1	SQ FT	18		
72900100	METAL POST - TYPE A	FOOT	42		
72900200	METAL POST - TYPE B	FOOT	16		
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	147		*
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	16832		*
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	480		*
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	656		*
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	13		*
78200400	GUARDRAIL Markers	EACH	13	*	*
X0325714	FLASHING BEACON, POST MOUNTED, SOLAR POWERED INSTALLATION	EACH	1	*	*
XX006425	RESTORATION	SQ YD	50	*	
67100100	MOBILIZATION	L Sum	1		

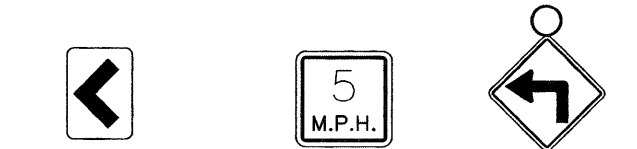
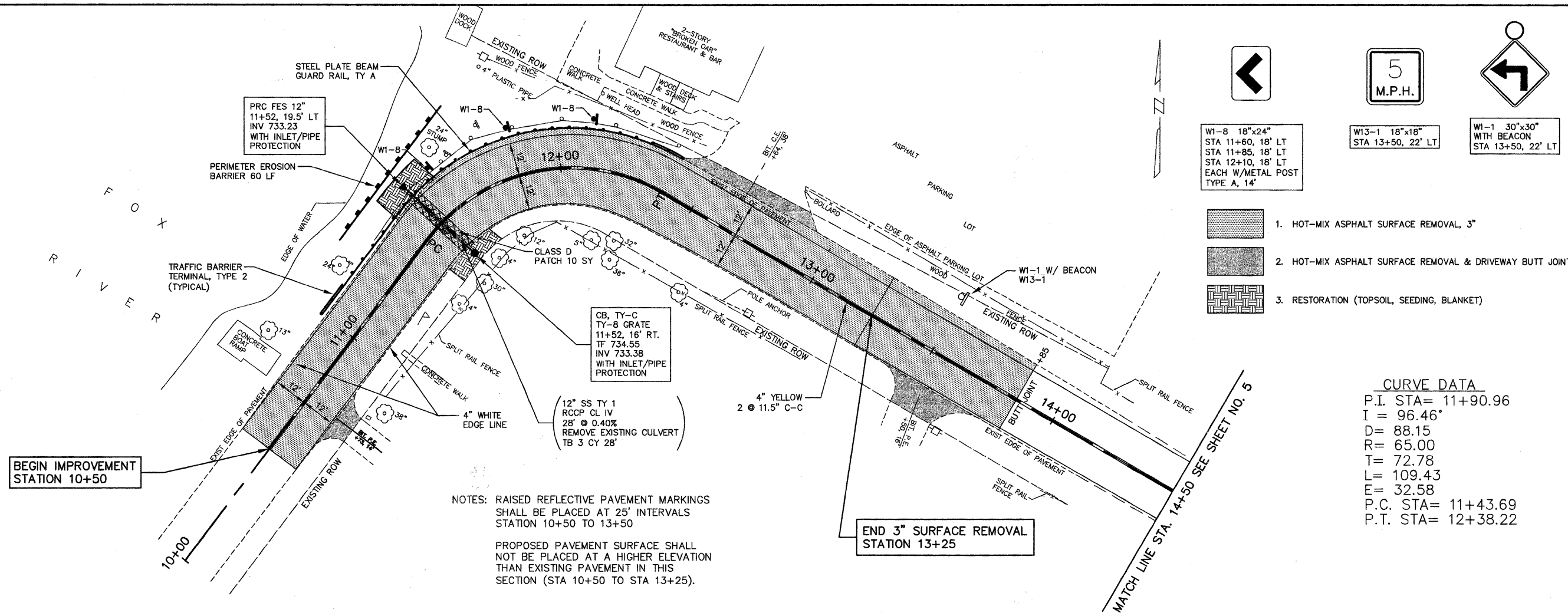
SIGN PANEL TYPE 1 SCHEDULE					
STA.	REF.	TYPE	DESCRIPTION	QUANTITY (SQ FT)	
11+79	18' LT	W1-8L	CHEVRON LEFT	3.00	
11+90	18' LT	W1-8L	CHEVRON LEFT	3.00	
12+00	18' LT	W1-8L	CHEVRON LEFT	3.00	
13+00	22' LT	W1-1	LEFT TURN ARROW	6.25	
13+00	22' LT	W13-1	5 MPH ADVISORY	2.25	
<b>TOTAL</b>				<b>17.5</b>	
PAY CODE: 72000100				USE	
<b>METAL POST - TYPE A SCHEDULE</b>					
STA.	REF.	TYPE	DESCRIPTION	QUANTITY (FEET)	
11+79	18' LT	W1-8	CHEVRON LEFT	14	
11+90	18' LT	W1-8	CHEVRON LEFT	14	
12+00	18' LT	W1-8	CHEVRON LEFT	14	
<b>TOTAL</b>				<b>42</b>	
PAY CODE: 72900100				TOTAL	
<b>METAL POST - TYPE B SCHEDULE</b>					
STA.	REF.	TYPE	DESCRIPTION	QUANTITY (FEET)	
13+00	22' LT	W1-1	LEFT TURN ARROW	16	
13+00	22' LT	W1-13	5 MPH ADVISORY		
<b>TOTAL</b>				<b>16</b>	
PAY CODE: 72900200				TOTAL	

HOT-MIX ASPHALT SURFACE REMOVAL SCHEDULE					
DRIVEWAY BUTT JOINT (INCLUDES SIDE STREETS)					
STA	REF.	LENGTH (FEET)	AVG. WIDTH (FEET)	AREA (SQ. FT)	AREA (SQ. YD)
10+73	RT	8	18	144	16
12+64	LT	5	49	245	28
13+50	RT	10	26	260	29
15+20	LT	15	28	420	47
15+28	RT	15	25	375	42
24+80	LT & RT	15	93	1395	155
38+85	LT	15	115	1725	192
38+92	RT	15	98	1470	164
PAY CODE: XX007365				<b>TOTAL</b>	<b>673</b>
SURFACE REMOVAL, 3"					
FROM	TO	LENGTH (FEET)	AVG. WIDTH (FEET)	AREA (SQ. FT)	AREA (SQ. YD)
10+50	12+00	150	26	3900	434
12+00	13+25	125	28	3500	389
13+25	13+85	60	28	1680	187
43+36	43+96	60	46	2760	307
PAY CODE: 44000198				<b>TOTAL</b>	<b>1317</b>
BUTT JOINT					
STA	REF.	LENGTH (FEET)	AVG. WIDTH (FEET)	AREA (SQ. FT)	AREA (SQ. YD)
13+85		4.5	28	126	14
43+96		4.5	46	207	23
PAY CODE: 40600982				<b>TOTAL</b>	<b>37</b>

ROADWAY QUANTITIES SCHEDULE									
FROM	WIDTH (FEET)	TO	WIDTH (FEET)	LENGTH (FEET)	AREA (SQ. YD)	LEVEL (TON)	SURFACE (TON)	SHLD WEDGE (TON)	
10+50	24	12+00	28	150	433	24	49		0
12+00	28	13+25	28	125	389	22	44		0
13+25	28	13+50	28	25	78	4	9		1
13+50	28	21+60	34	810	2790	156	312		47
21+60	34	24+00	37	240	947	53	106		14
24+00	37	42+00	37	1800	7400	414	829		105
42+00	37	43+96	48	196	926	52	104		11
<b>PAY CODE</b>						<b>40600625</b>	<b>40603335</b>	<b>48102100</b>	
<b>TOTALS</b>						<b>726</b>	<b>1452</b>	<b>179</b>	

DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	

DATE	
BY	
PROFILE	
NO.	
DATE	
BY	
PLAN	
NO.	



W1-8 18"x24"  
STA 11+60, 18' LT  
STA 11+85, 18' LT  
STA 12+10, 18' LT  
EACH W/METAL POST  
TYPE A, 14'

W13-1 18"x18"  
STA 13+50, 22' LT

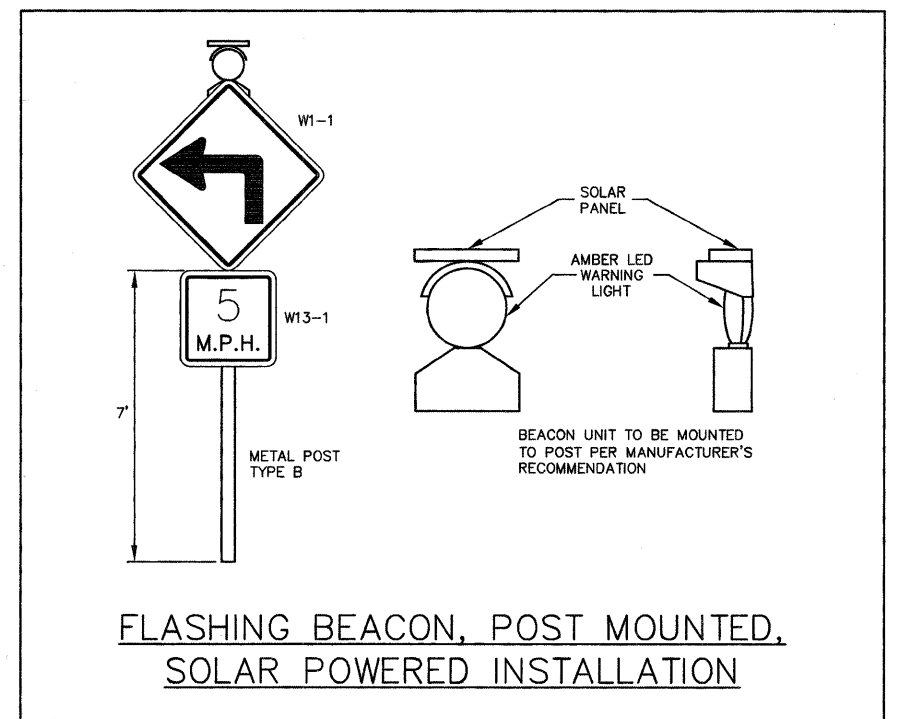
W1-1 30"x30"  
WITH BEACON  
STA 13+50, 22' LT

- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- HOT-MIX ASPHALT SURFACE REMOVAL & DRIVEWAY BUTT JOINT
- RESTORATION (TOPSOIL, SEEDING, BLANKET)

**CURVE DATA**  
P.I. STA= 11+90.96  
I = 96.46°  
D= 88.15  
R= 65.00  
T= 72.78  
L= 109.43  
E= 32.58  
P.C. STA= 11+43.69  
P.T. STA= 12+38.22

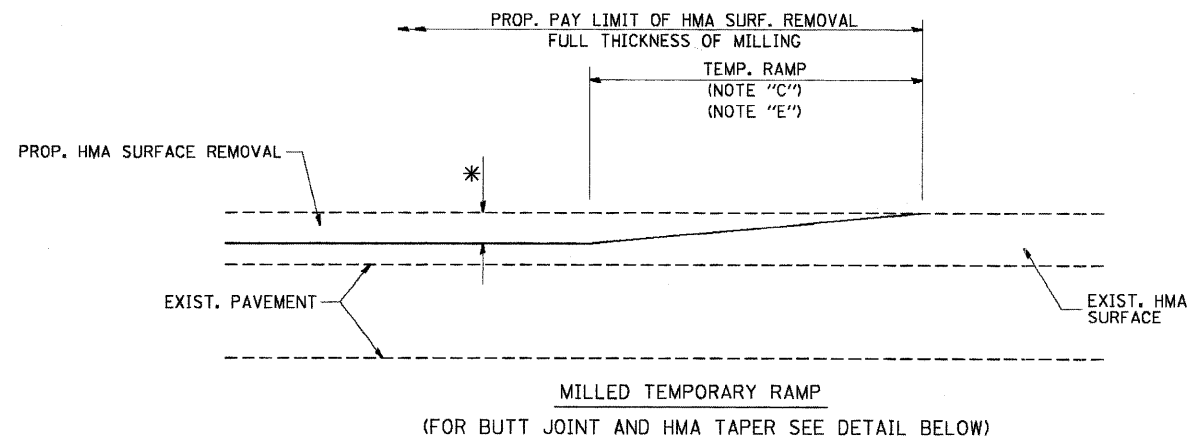
NOTES: RAISED REFLECTIVE PAVEMENT MARKINGS SHALL BE PLACED AT 25' INTERVALS STATION 10+50 TO 13+50

PROPOSED PAVEMENT SURFACE SHALL NOT BE PLACED AT A HIGHER ELEVATION THAN EXISTING PAVEMENT IN THIS SECTION (STA 10+50 TO STA 13+25).

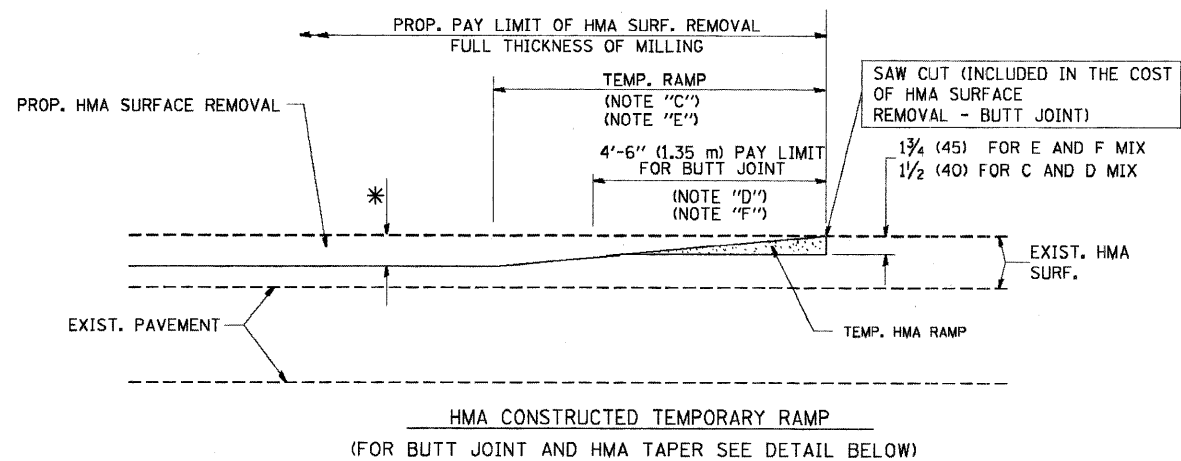


FLASHING BEACON, POST MOUNTED,  
SOLAR POWERED INSTALLATION

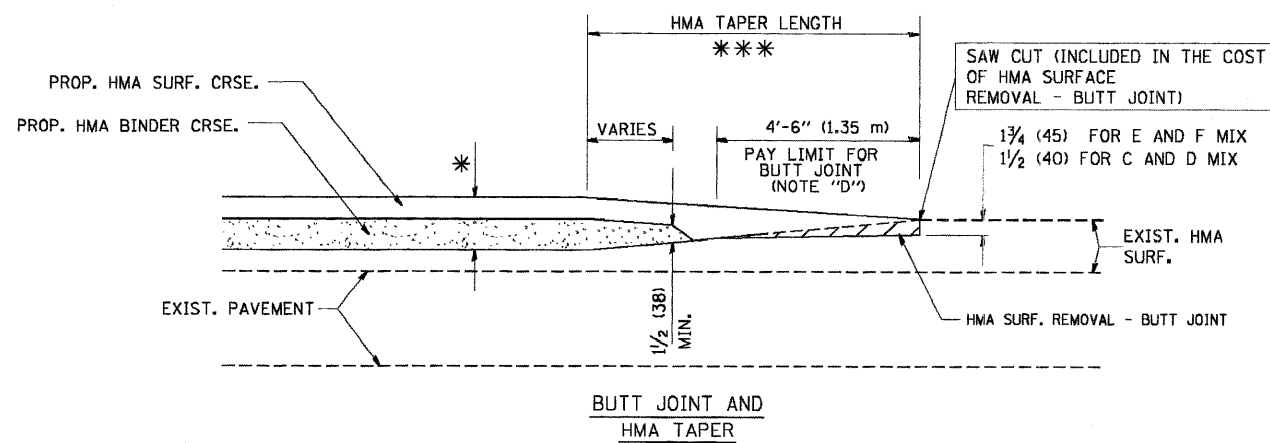




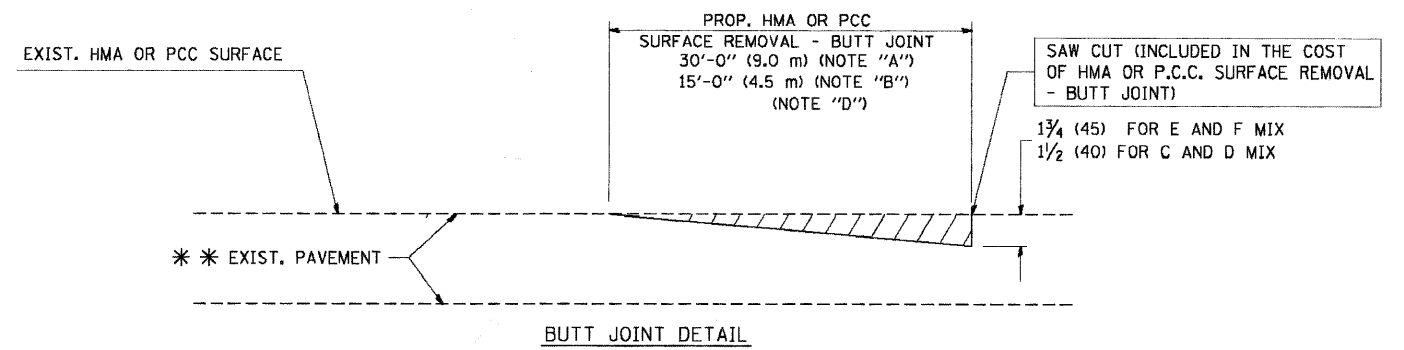
**OPTION 1**



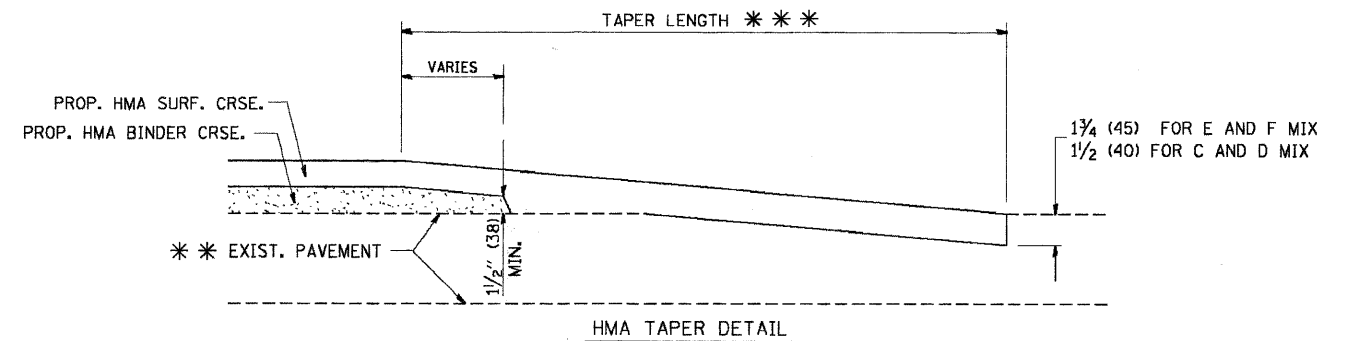
**OPTION 2  
TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER  
FOR MILLING AND RESURFACING**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER  
FOR RESURFACING ONLY**

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

**NOTES**

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - B: MINOR SIDE ROADS.
  - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
  - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
  - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
  - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT:**

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

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

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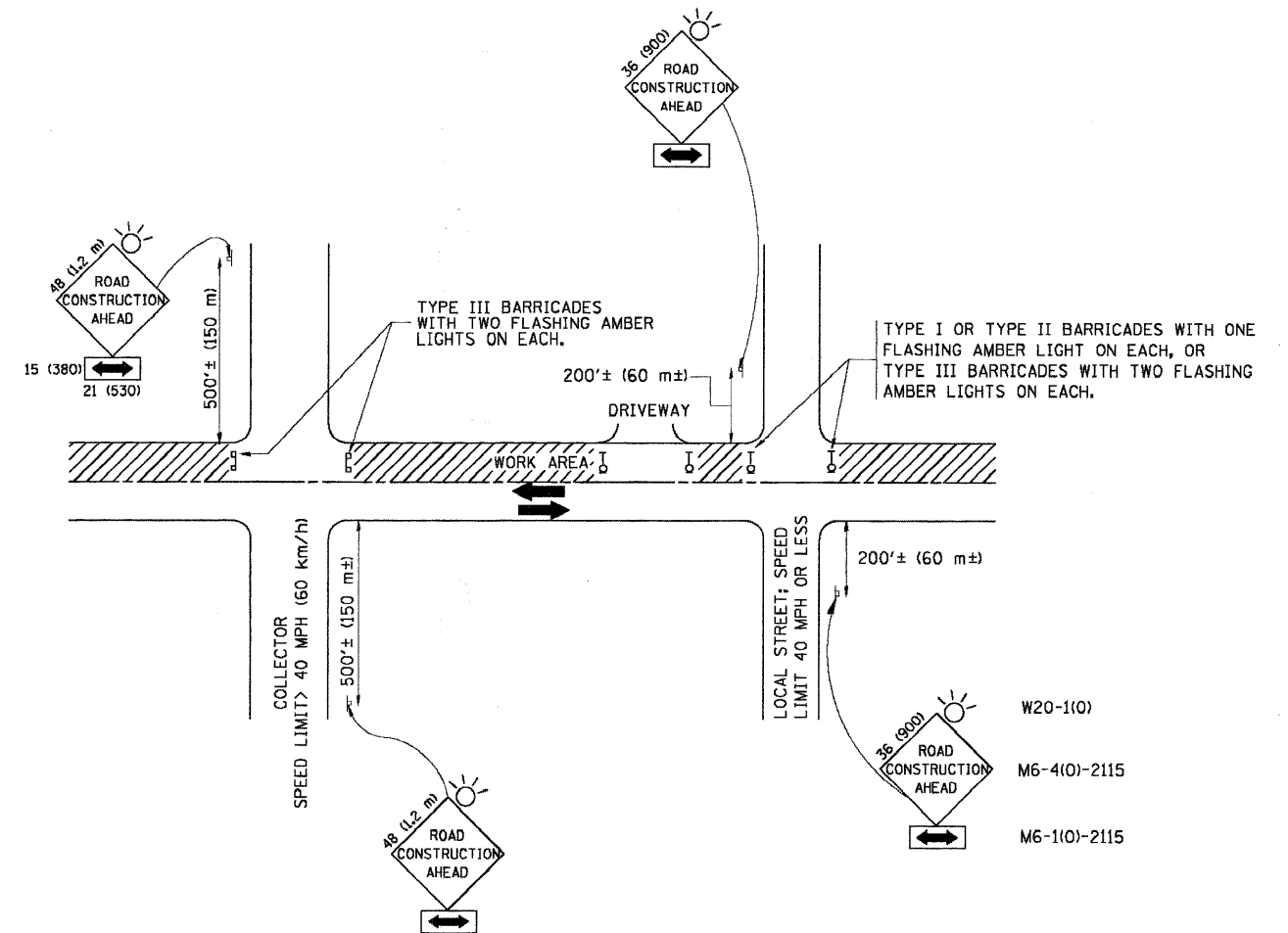
DESIGNED - M. DE YONG
DRAWN -
CHECKED -
DATE - 06-13-90

REVISED - R. SHAH 10-25-94
REVISED - A. ABBA5 03-21-97
REVISED - M. GOMEZ 04-06-01
REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BUTT JOINT AND HMA TAPER DETAILS</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE. 3702	SECTION 09-00003-00-SP	COUNTY McHENRY	TOTAL SHEETS 8	SHEET NO. 6
<b>BD400-05 BD32</b>			<b>CONTRACT NO. 63341</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(476)				



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

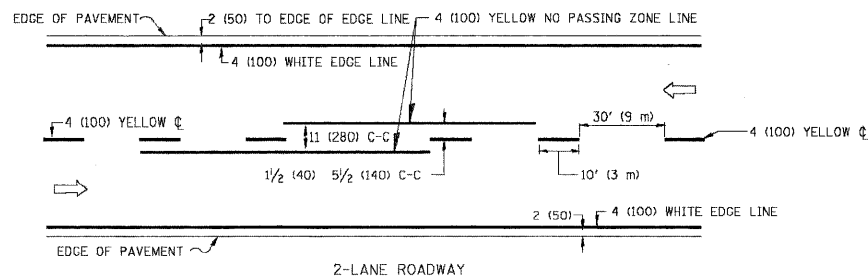
FILE NAME =	USER NAME = gaglianob	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
W:\distata\22x34\to12.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/1/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

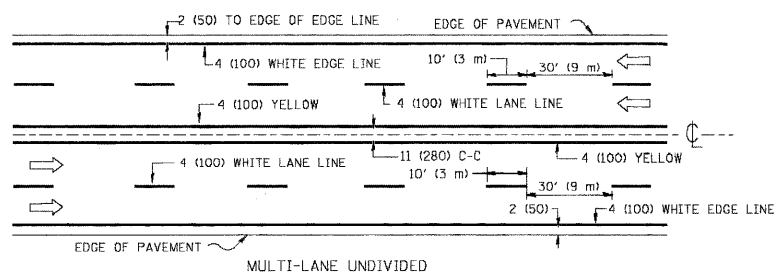
TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

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

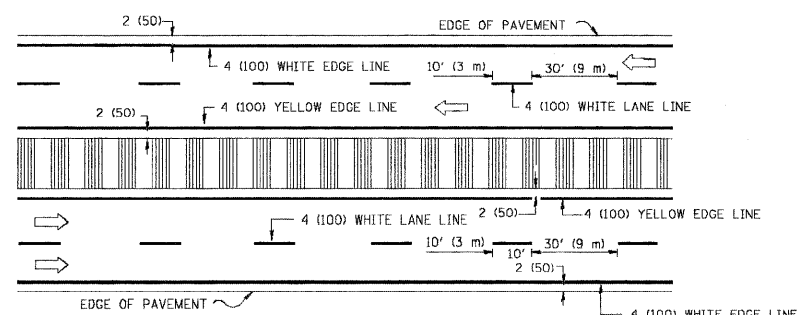
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3702	09-00003-00-SP	McHENRY	8	7
TC-10			CONTRACT NO. 63341	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(476)				



2-LANE ROADWAY



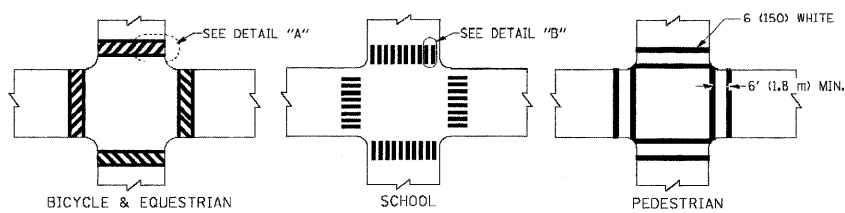
MULTI-LANE UNDIVIDED



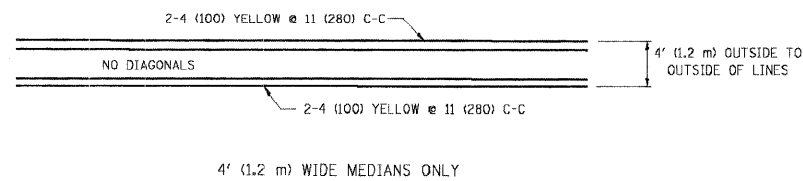
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

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

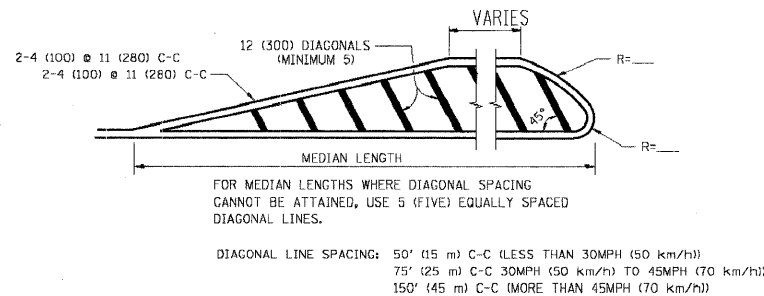
TYPICAL LANE AND EDGE LINE MARKING



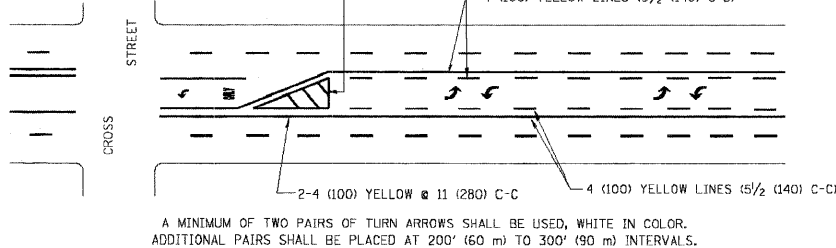
TYPICAL CROSSWALK MARKING



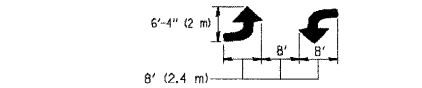
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

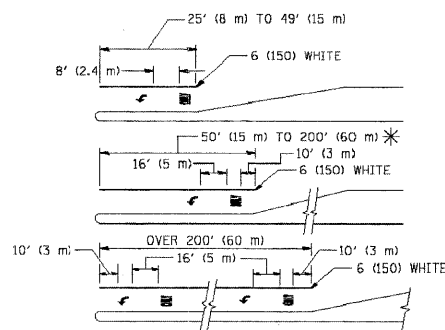


TYPICAL PAINTED MEDIAN MARKING



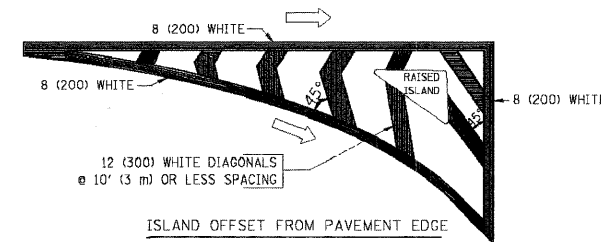
MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL LEFT (OR RIGHT) TURN LANE

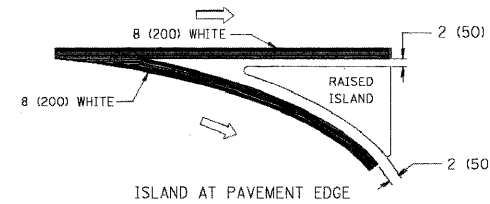


TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 \* 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".



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100)	SKIP-DASH	WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
LANE LINES	5 (125) ON FREEWAYS	SKIP-DASH	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; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
TWO WAY LEFT TURN MARKING	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN)	2 @ 6 (150)	SOLID	WHITE	NOT LESS THAN 6' (1.8 m) APART
CROSSWALK LINES (BIKE & EQUESTRIAN)	12 (300) @ 45°	SOLID	WHITE	2' (600) APART
CROSSWALK LINES (LONGITUDINAL BARS (SCHOOL))	12 (300) @ 90°	SOLID	WHITE	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°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
PAINTED MEDIANS	NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	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 (30 MPH (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 m²) EACH "X"-54.0 SQ. 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) 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.

FILE NAME =	USER NAME = drvakosgn	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
dr\pw\work\p\dot\drvakosgn\d0128315\to	3.dgn	DRAWN -	REVISED -C. JUCIUS 09-09-09
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

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

F.A.U. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3702	09-00003-00-SP	McHENRY	8	8
TC-13		CONTRACT NO. 63341		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(476)				