STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAS ROUTE 2320 (IL 113)
SECTION 113X-RS-4
COAL CITY ROAD TO MAIN STREET
ROADWAY RESURFACING
WILL COUNTY
C-91-737-10

RANGE 9 EAST

COAL CITY RD

ANDOON DR

DEFRORA RD

300 ST

AND ST

AND

GROSS & NET LENGTH = 8,956 FT. = 1.70 MILES

REED TOWNSHIP

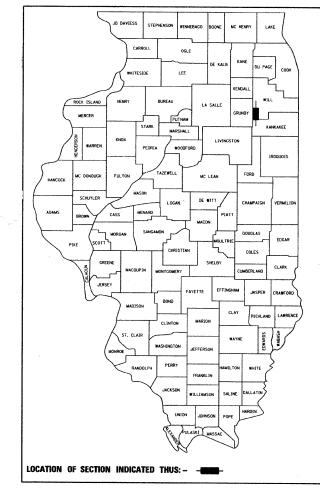
GRØEF⁸⁵⁰¹

8501 **W.** Higgins Road; Suite 280 Chicago, Illinois 60631 (773) 399-0112
 F.A.S. RTE.
 SECTION
 COUNTY
 TOTAL SHEETS
 SHEET NO.

 2320
 113X-RS-4
 WILL
 13
 1

 ILLINOIS
 CONTRACT
 NO. 60L59

D-91-737-10



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED OCTOBER 18, 20 10

DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 10 20 10

Scott E. Stitt P.E. oc.

December 10 20 10

Christine M. Readles DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

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EXISTING ADT = 3550 (2007) SPEED LIMIT = 35 MPH

THE IMPROVEMENT IS LOCATED WITHIN THE CITY OF BRAIDWOOD

100' 200' 300' — 1" = 100' 0 10' 20' 30' — 1" = 10' 0 50' 100' — 1" = 50' 0 50' — 100' — 1" = 40' 0 50' — 100' — 1" = 30' 0 50' — 1" = 20'

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

J.U.L.I.E.

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

OR 811

PROJECT ENGINEER: PETER JOHNSTON (GRAEF) 773-399-0112 PROJECT MANAGER: KEN ENG (IDOT) 847-705-4247

CONTRACT NO. 60L59

INDEX OF SHEETS

SHEET

DESCRIPTION

- 1 COVER SHEET
- 2 INDEX, GENERAL NOTES AND HIGHWAY STANDARDS
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5-7 ROADWAY AND PAVEMENT MARKING PLANS
- 8 PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD22)
- 9 BUTT JOINTS AND BITUMINOUS TAPER (BD32)
- 10 TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS, INTERSECTIONS AND DRIVEWAYS (TC10)
- 11 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) (TC11)
- 12 DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC13)
- 13 ARTERIAL ROAD INFORMATION (TC22)

HIGHWAY STANDARDS

442201-03 CLASS C AND D PATCHES

606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-09 STEEL PLATE BEAM GUARDRAIL

STD. NO. TITLE

635006-03 REFLECTOR AND TERMINAL MARKER PLACEMENT
701006-03 OFF-ROAD OPERATIONS, 2L, 2W, 4.5 m (16") TO 600 mm (24") FROM PAVEMENT EDGE

701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

701326~04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH

701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

701901~0/ TRAFFIC CONTROL DEVICES

780001 - 02 TYPICAL PAVEMENT MARKINGS

781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E."
 AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- 3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 4. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILTY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- 1. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- 6. 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 INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- 7. FOR PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO DISTRICT ONE TYPICAL MARKINGS FOR DETAILS NOT SHOWN.
- 8. THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
- 9. MATCH EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS.
- 10. THE RESIDENT ENGINEER SHALL CONTACT LAWRENCE HILL, AREA TRAFFIC FIELD ENGINEER, AT (815) 485-6475 AT LEAST (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.
- 11. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE REESTABLISHED FOR STRIPING, EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

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	PLOT DATE = 9/7/2010	DATE	-	10-16-2010	REVISED -

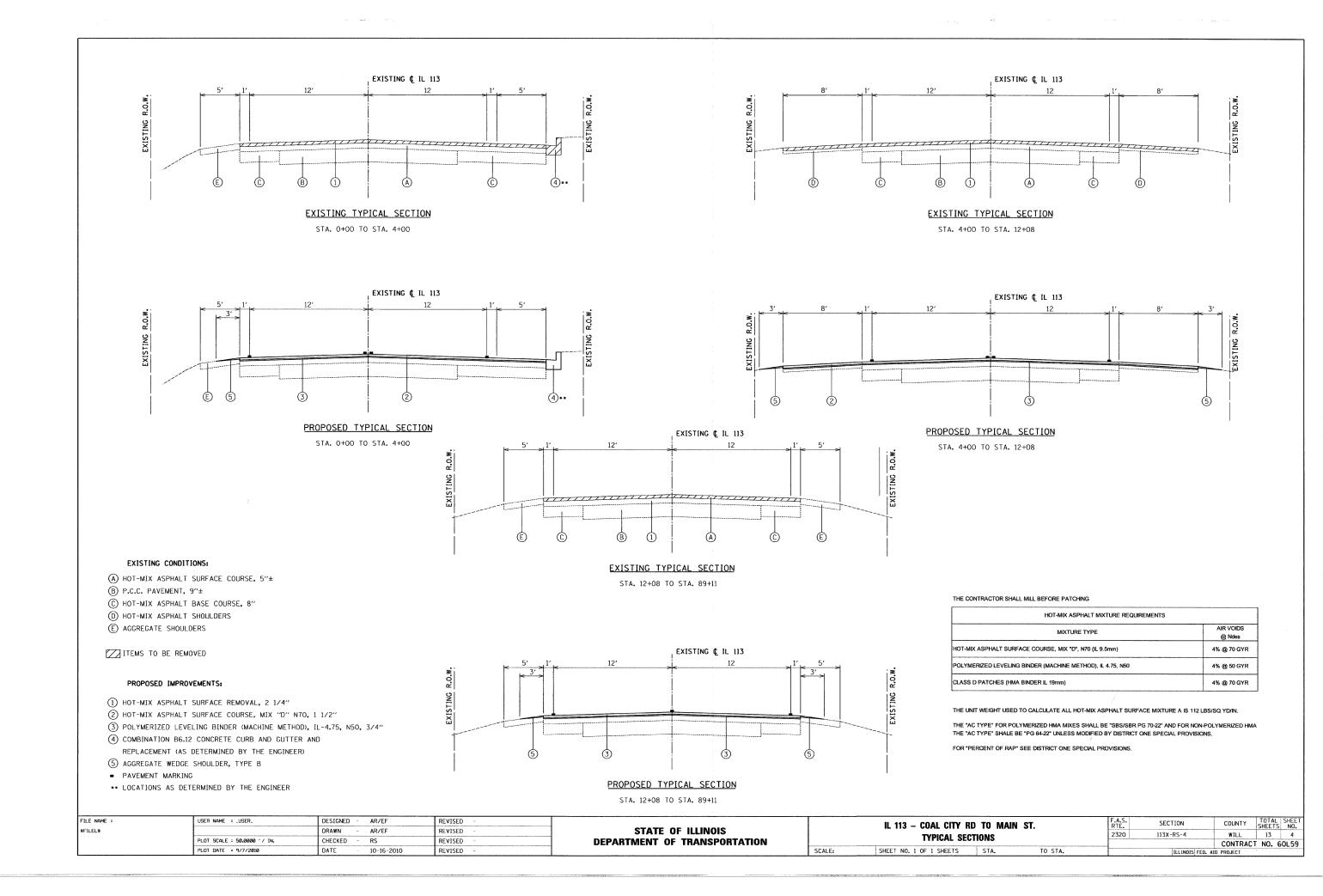
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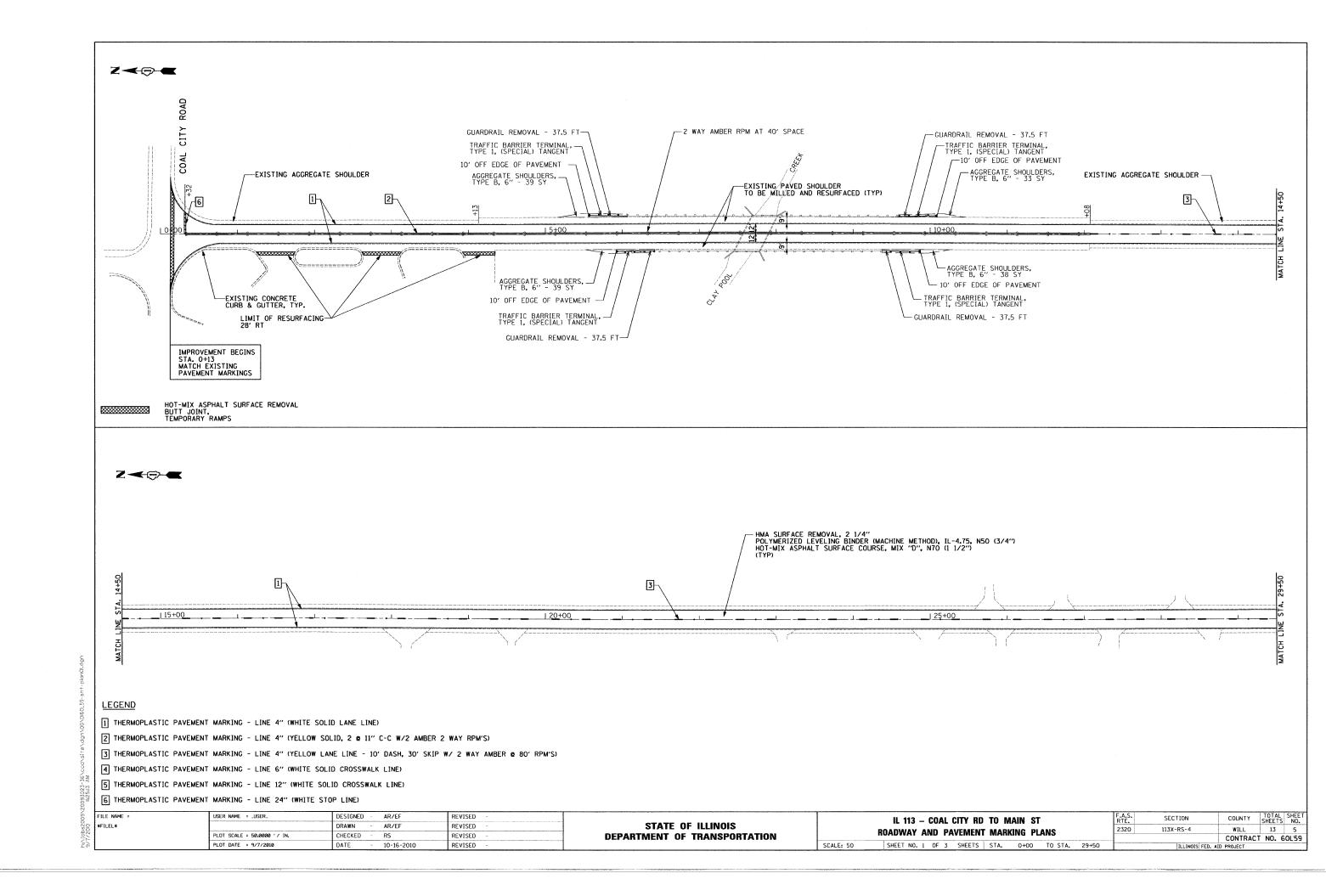
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IDEX OF	SHEETS, HIGHWAY STANDARDS AND GENERAL	NOTES	2320	113X-RS
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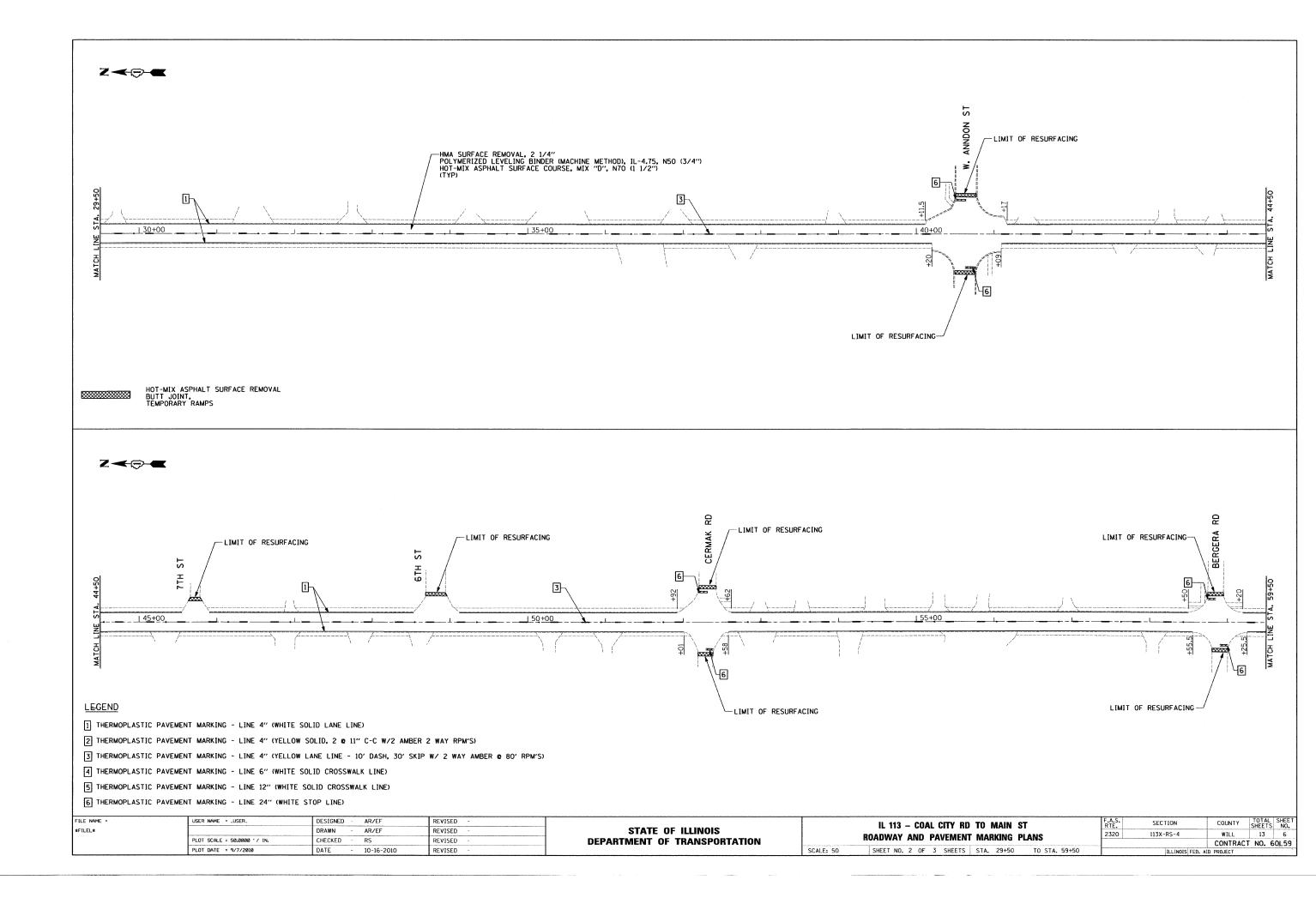
SUMMARY OF QUANTITIES

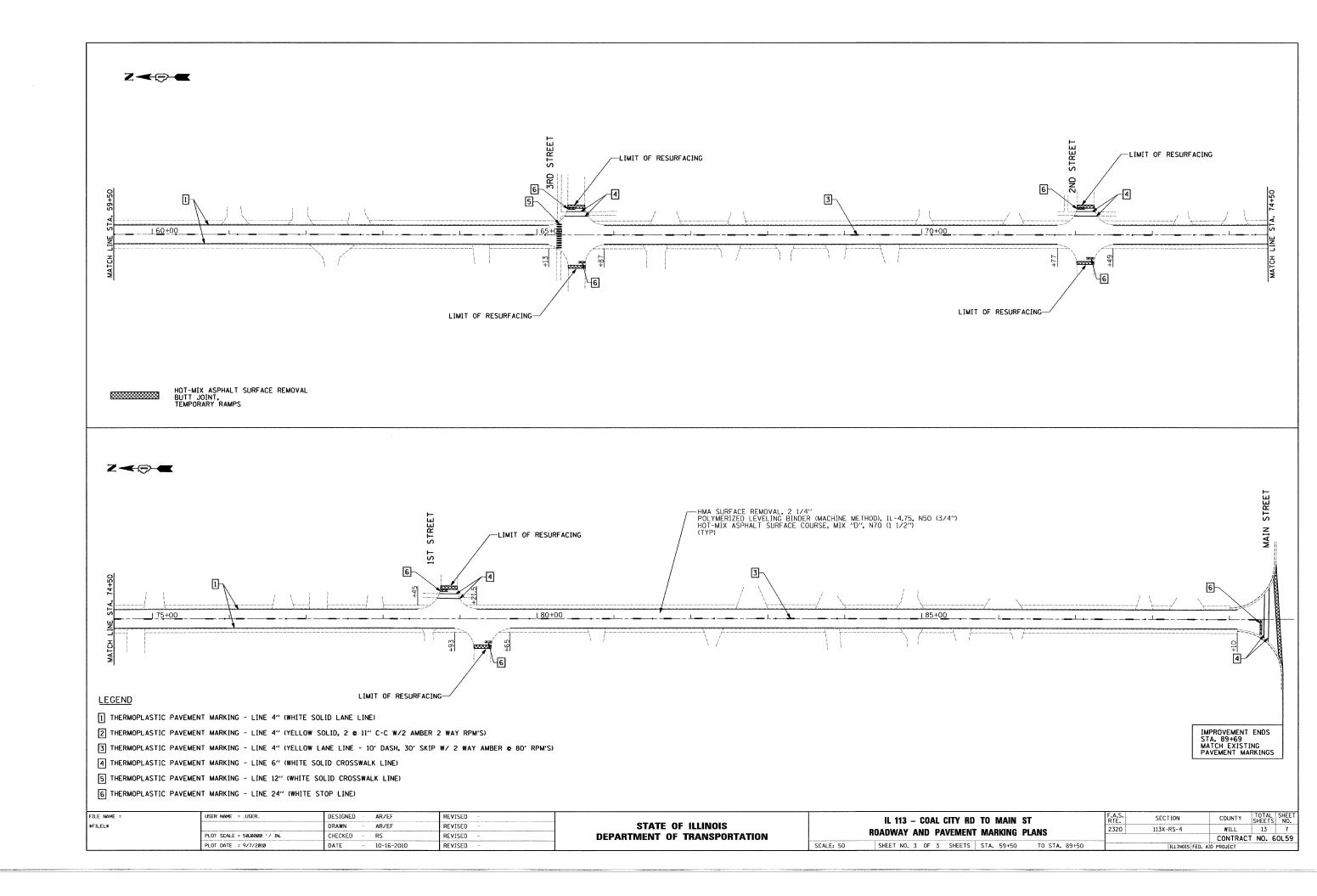
PAY ITEM NUMBER		DESCRIPTION	UNIT	URBAN TOTAL QUANTITY 100% STATE	0005 STATE	0031 LANDSCAPING
	20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	4	4	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	79		79
7	25000210	SEEDING, CLASS 2A	ACRE	0.02		0.02
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1	_	1
1	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1		1
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1		1
	25100630	EROSION CONTROL BLANKET	SQ YD	79		79
	40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	24	24	
	40600300	AGGREGATE (PRIME COAT)	TON	118	118	
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	44	44	
	40600895	CONSTRUCTING TEST STRIP	EACH	1	1	
7	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	357	357	P
7	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2,486	2,486	
\dashv	42001300	PROTECTIVE COAT	SQYD	33	33	
\dashv	44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	29,591	29,591	-
\dashv	44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	280	280	<u> </u>
+	44201794	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	120	120	
-	*****		SQ YD	 	·····	
-	48101500	AGGREGATE SHOULDERS, TYPE B 6"		149	149	
4	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	589	589	
_	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	2	2	
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
4	63200310	GUARDRAIL REMOVAL	FOOT	150	150	
_	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	9
_	67100100	MOBILIZATION	L SUM	1	11	
4	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1	
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	4,205	4,205	
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	42,046	42,046	
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	582	582	
	70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	132	132	
	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	366	366	
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,402	1,402	
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	21,023	21,023	
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	291	291	
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	66	66	
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	183	183	T
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	151	151	
*	78200420	GUARDRAIL MARKERS, TYPE B	EACH	10	10	1
*	78201000	TERMINAL MARKER-DIRECT APPLIED	EACH	4	4	
\dashv	78300200	DAIGED DESIGNATION DAVISATION DE MOVAL	EACH	75	75	+
\dashv	Z0004562	COMBINATION CONCRETE CURB AND GUTTER, REMOVAL REPLACEMENT				-
\dashv			FOOT	100	100	
	Z0018500 Z0030850	DRAINAGE STRUCTURES TO BE CLEANED TEMPORARY INFORMATION SIGNING	EACH SQ FT	15 51	15 51	
\dashv	X2503100	MOWING	UNIT	14	J1	14
+	X4060826	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1,243	1,243	14
	A-000020	OET MET MET DE LEVELING DINDER (MACHINE MET HOD), 124.75, 1930	ION	1,240	1,240	1

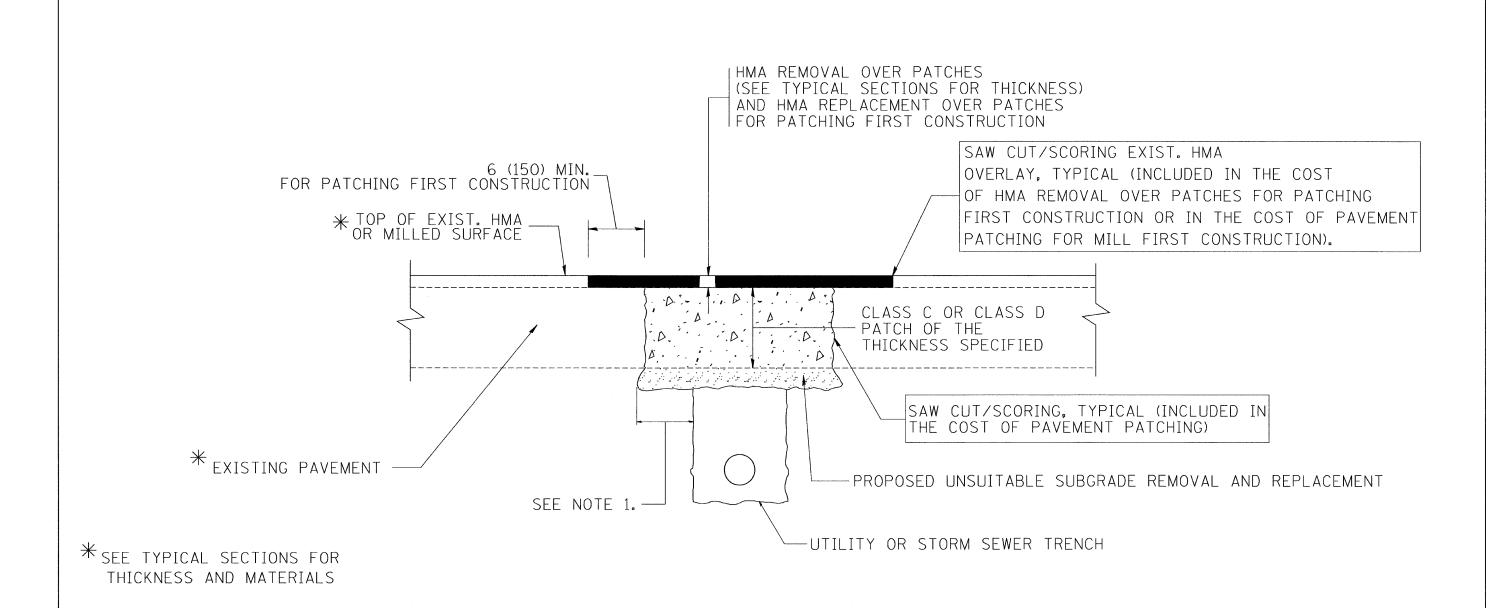
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\$FILEL\$		DRAWN - AR/EF	REVISED -	STATE OF ILLINOIS		SUMMARY OF Q		2320	113X-RS-4	WILL	13	3
	PLOT SCALE = 50.0000 '/ IN.	CHECKED - RS	REVISED	DEPARTMENT OF TRANSPORTATION		SUMMARY OF U	UANTITIES			CONTRAC	CT NO. 60	1 59
	PLOT DATE = 10/14/2010	DATE - 10-15-2010	REVISED -	·	SCALE:	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.		ILLINOIS FED	. AID PROJECT		











NOTES:

- 1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
- 2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

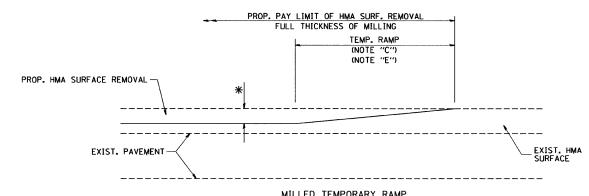
- 1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
- 2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
- 3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

- 1. MILL HMA FIRST IF THERE IS AT LEAST 41/2 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.

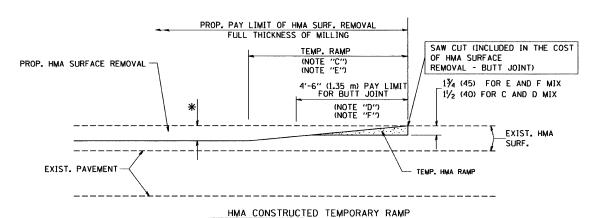
	FILE NAME ≈	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98		PAVEMENT PATCHING FOR	F.A.S. SECTION	COUNTY SHEET
	c:\projects\diststd22x34\bd22.dgn		DRAWN -	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS		2320 113X-RS-4	WILL 13 8
		PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED - R. BORO 09-04-07	DEPARTMENT OF TRANSPORTATION	HMA SURFACED PAVEMENT	BD400-04 (BD-22)	CONTRACT NO. 60L59
Į		PLOT DATE = 10/27/2008	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)

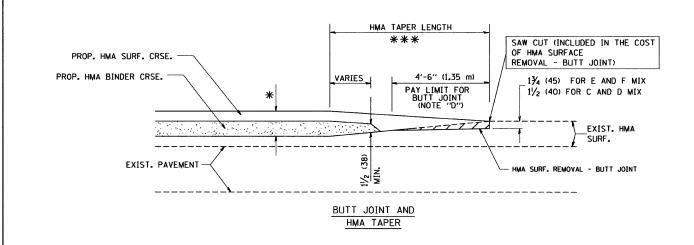
OPTION 1



(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP

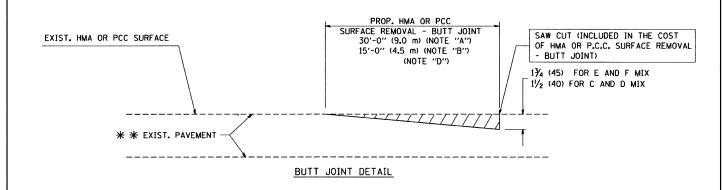


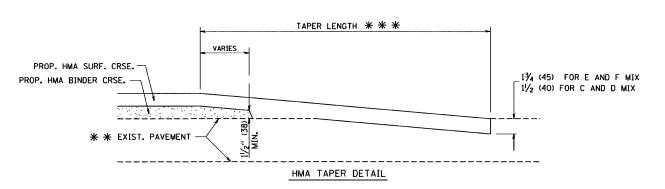
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME = DESIGNED - M. DE YONG REVISED - R. SHAH 10-25-94 USER NAME = gaglianobt W:\diststd\22x34\bd32.dgr DRAWN REVISED - A. ABBAS 03-21-97 PLOT SCALE = 50.0000 ' / IN. CHECKED REVISED - M. GOMEZ 04-06-01 PLOT DATE = 1/4/2008 DATE 06-13-90 REVISED - R. BORO 01-01-07

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SECTION COUNTY **BUTT JOINT AND** 113X-RS-4 WILL 13 9 HMA TAPER DETAILS BD400-05 BD32 CONTRACT NO. 60L59 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.





TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

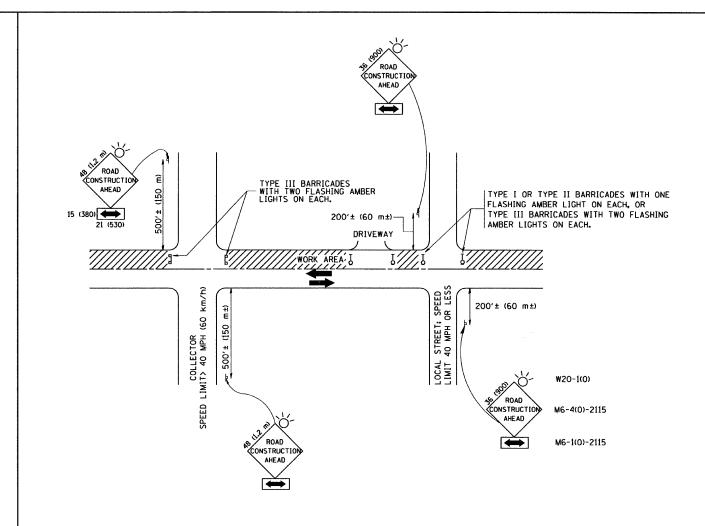
NOTES

- 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'-O" (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 SOUARE YARD (SOUARE 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.



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 ROLLTE.
- 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:
- d) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON 11 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 (MG-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (MG-4).

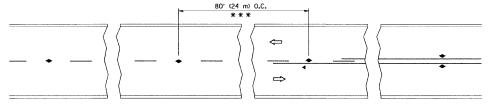
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LAME 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 = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
W:\diststd\22x34\tc10.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

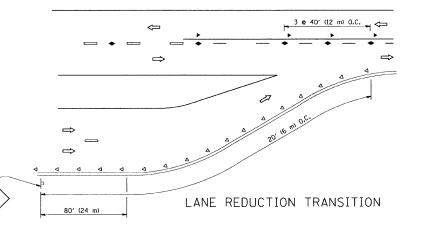
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

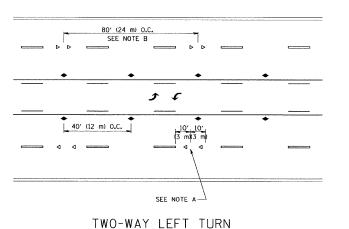
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	SIDE RO	ADS	, INTE	RSECTION	S, AND	DRIVEWAYS	
SCALE: NONE	SHEET NO	. 1	OF 1	SHEETS	STA.		TO STA.



*** 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





80' (24 m) O.C.

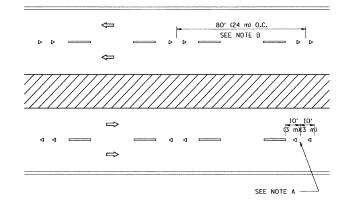
SEE NOTE B

40' (12 m) O.C.

G m)(3 m)

SEE NOTE A

MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

- 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) IN 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

- ---- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (₩/0)
- ◆ TWO-WAY AMBER MARKER

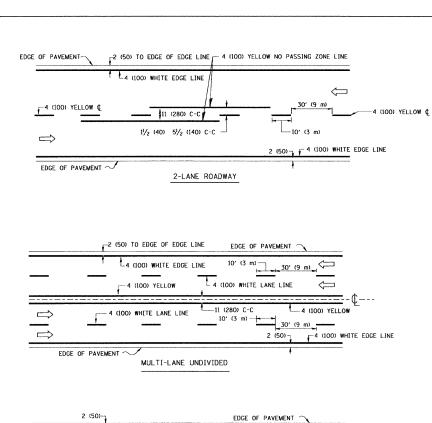
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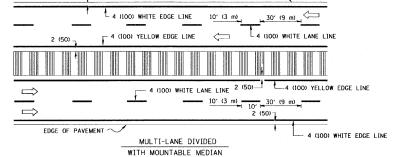
- 1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- 2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
- 3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
- 4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

LEFT TURN

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

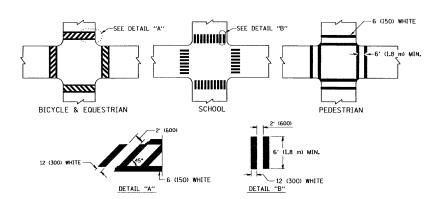
COUNTY TOTAL SHEET NO. WILL 13 11 FILE NAME = DESIGNED REVISED -T. RAMMACHER 09-19-94 SECTION TYPICAL APPLICATIONS REVISED - T. RAMMACHER 03-12-99 STATE OF ILLINOIS 113X-RS-4 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) PLOT SCALE = 50.000 '/ IN. CHECKED REVISED -T. RAMMACHER 01-06-00 **DEPARTMENT OF TRANSPORTATION** TC-11 CONTRACT NO. 60L59 PLOT DATE = 9/9/2009 REVISED - C. JUCIUS 09-09-09 SHEET NO. 1 OF 1 SHEETS STA. DATE



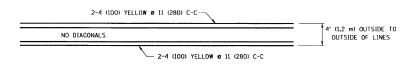


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

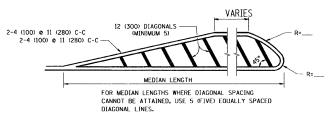
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



4' (1.2 m) WIDE MEDIANS ONLY

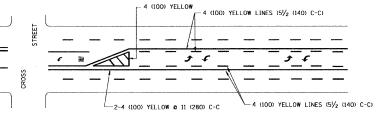


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))

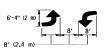
75' (25 m) C-C 30MPH (50 km/h) T0 45MPH (70 km/h))

150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

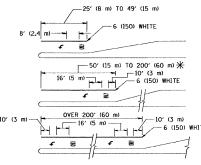


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

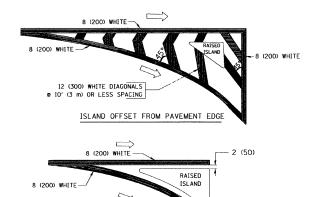


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. \P AREA = 15.6 SQ. FT. (1.5 m²) \P AREA = 20.8 SQ. FT. (1.9 m²)

* 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



TYPICAL ISLAND MARKING

ISLAND AT PAVEMENT EDGE

- 2 (50)

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 e 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	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 5EE 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 SO. FT. (0.33 m ²) EACH "X"=54.0 SO. 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) T0 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

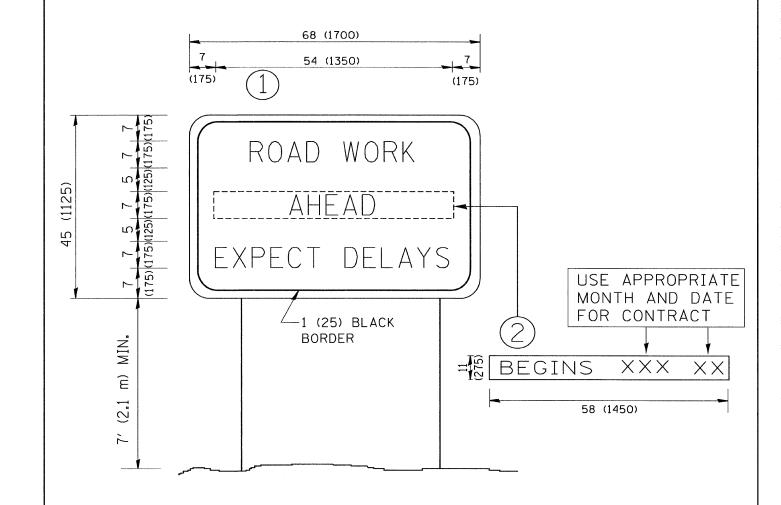
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters)

ILE NAME =	USER NAME = drivakosgn	DESIGNED -	EVERS	REVISED	-T. RAMMACHER	10-27-94
:\pw_work\pwidot\drivakosgn\d0108315\tc	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	-	

STATI	E OI	: ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

	DISTRICT OF	VE		F.A.S. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
TYPICAL PAVEMENT MARKINGS				2320	113X-RS-4	WILL	13	12
					TC-13	CONTRACT NO. 60L5		
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.				FED. RO	AD DIST. NO. 1 ILLINOIS FED. A	ID 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 = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97		ARTERIAL ROAD					F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
W:\diststd\22x34\tc22.dgn		DRAWN -	REVISED - R. MIRS 12-11-97	STATE OF ILLINOIS								2320	113-RS-4	WILL	13	13
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-99	DEPARTMENT OF TRANSPORTATION	INFORMATION SIGN							TC-22		CONTRAC	T NO.	60L59
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE	SHEET NO.). 1 OF	F 1 SF	HEETS	STA.	TO STA.	FED. ROAD		D. AID PROJECT		