FOR INDEX OF SHEETS SEE SHEET 2

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS DISTRICT ONE** PROPOSED HIGHWAY PLANS

SECTION

533X-BR

ROUTE

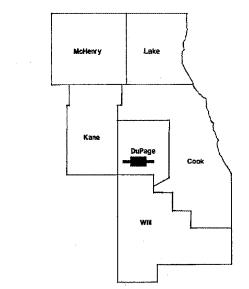
FAP 870

FAP RTE. 870:IL 53 OVER EAST BRANCH DUPAGE RIVER(SN 022-0077) SECTION 533X-BR BRIDGE REPAIR **DUPAGE COUNTY** C-91-078-05

CONTRACT NO. 62888

SHEET

NUMBER



LOCATION OF IMPROVEMENT INDICATED THUS:

TOTAL

SHEETS

COUNTY

DuPage

CONTRACT NO. 62888

TRAFFIC DATA 2003 ADT: 14.200

POSTED SPEED LIMIT: 40 mph

IMPROVEMENT IS LOCATED IN THE VILLAGE

OF GLEN ELLYN

LOCATION OF IMPROVEMENT

Z 39

R 10 E ROOSEYELTRO WHEATON (AKBEOK

MILTON TOWNSHIP

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

SUBMITTED:

March 25 2005

DEPUTY DIRECTOR OF HIGHWAY, REGION ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

J.U.L.I.E.: JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION (800) 892-0123

			TOTAL	SHEET
ROUTE	SECTION	COUNTY	SHEETS	NUMBER
FAP 870	533X-BR	DuPage	9	2

CONTRACT 62888

INDEX OF SHEETS

1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
3	GENERAL NOTES
4	SUMMARY OF QUANTITIES
5	TYPICAL SECTION
6	PLAN
7	BUTT JOINTS AND BITUMINOUS TAPER DETAILS
8	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS,
	INTERSECTIONS, AND DRIVEWAYS
9	DISTRICT ONE TYPICAL PAVEMENT MARKINGS

STATE STANDARDS

000001-04	Standard Symbols, Abbreviations and Patterns
701301-02	Lane Closure 2L, 2W Short Time Operations
701311- <i>0</i> 2	Lane Closure 2L, 2W Moving Operations - Day Only
701501 <i>-0</i> 3	Urban Lane Closure, 2L, 2W, Undivided

702001 -05 Traffic Control Devices

MIXTURE REQUIREMENTS

MIXTURE TYPE	AC/PG	AIR VOIDS	RAP % (MAX)
BITUMINOUS CONCRETE SURFACE * COARSE, SUPERPAVE, MIX "D", N70	PG 64-22	4% @ 70 GYR	10

*THE UNIT WEIGHT USED TO CALCULATE ALL BITUMINOUS SURFACE MIXTURE QUANTITIES IS 112 Lbs/SqYd/in.

NO VIBRATORY ROLLERS ALLOWED ON BRIDGE DECK

ILLINOIS DEPARTMENT OF TRANSPORTATION INDEX OF SHEETS STATE STANDARDS

IL 53 over E Branch DuPage River

			TOTAL	SHEET
ROUTE	SECTION	COUNTY	SHEETS	NUMBER
FAP 870	533X-BR	DUPAGE	9	3

62888

GENERAL NOTES

- 1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
- 2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 5. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 6. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 7. THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM BRIDGE INSPECTORS.
- 8. 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 RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- 9. THE ENGINEER SHALL CONTACT DON CHIARUGI, TRAFFIC FIELD ENGINEER, AT (847)741-9857 TWO (2) WEEKS PRIOR TO THE START OF THIS PROJECT SO THAT EXACT STATIONING OF NO PASSING ZONES AND OTHER PERMANENT PAVEMENT MARKINGS MAY BE ESTABLISHED.
- 10. THE THICKNESS OF BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- 11. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 12. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III AND ITS REMOVAL SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKING.

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL NOTES

IL 53 OVER EAST BRANCH DUPAGE RIVER

·	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
	FAP 870	533X-BR	DuPage	. 9	4

CONTRACT 62888

SUMMARY OF QUANTITIES

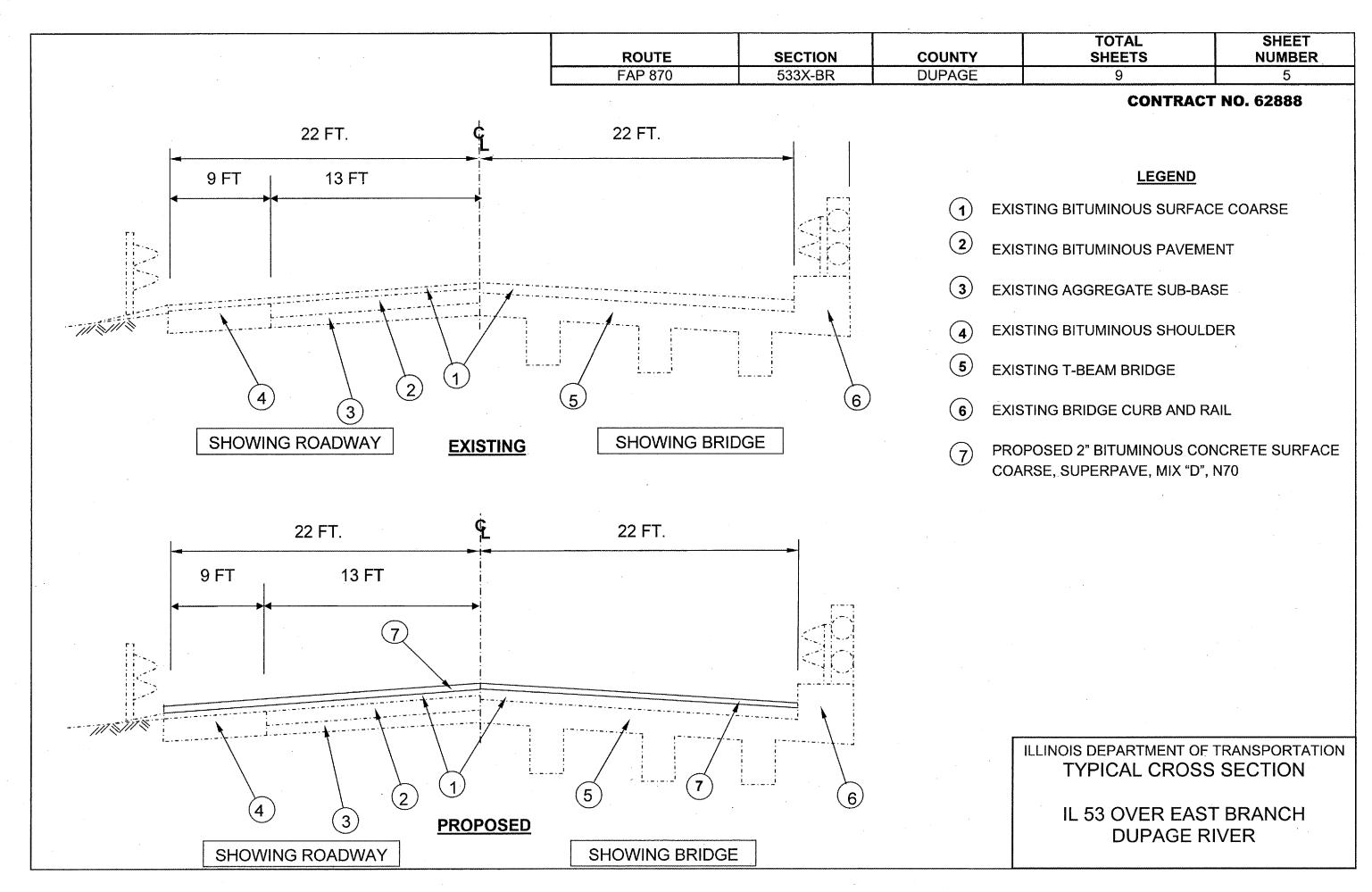
				URBAN SFTY-2A
CODE	DESCRIPTION	UNIT	TOTAL	
40500200	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.3	0.3
40600300	AGGREGATE (PRIME COAT)	TON	2	2
40600400	MIXTURE FOR CRACKS, JOINTS, AND FRANGEWAYS	TON	0.1	0.1
40600980	BITUMINOUS SURFACE REMOVAL-BUTT JOINT	SQ YD	676	676
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	1	1
67100100	MOBILIZATION	LSUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION STANDARD 701501	L SUM	1	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	14	14
78000200	THERMOPLASTIC PAVEMENT MARKING – LINE 4"	FOOT	792	792
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	. 6	6
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	6	6
X0322467	TEMPORARY INFORMATION SIGNING FOR LANE CLOSURE	SQ FT	48	48
X4066426	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	TON	92	92

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

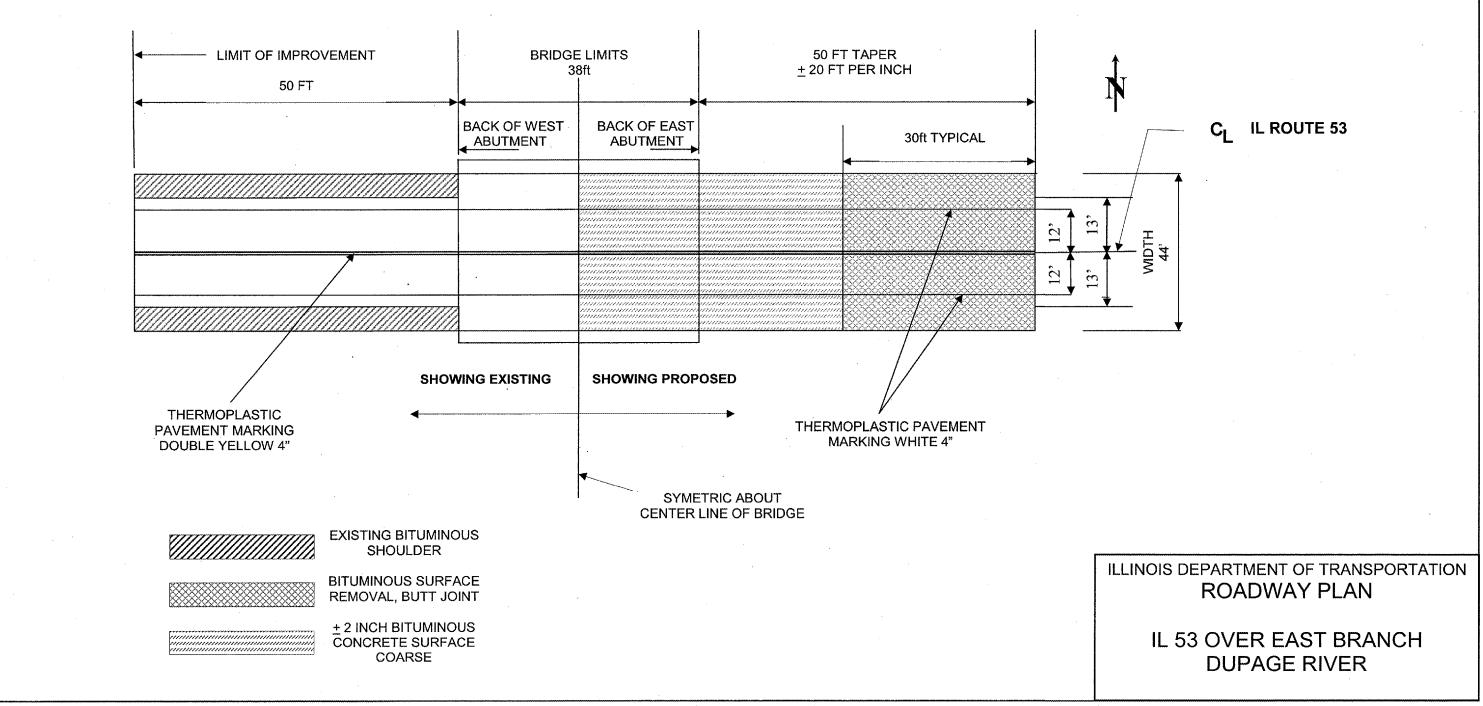
IL 53 OVER EAST BRANCH DUPAGE RIVER

* SPECIALTY ITEMS



			TOTAL	SHEET
ROUTE	SECTION	COUNTY	SHEETS	NUMBER
FAP 870	533X-BR	DUPAGE	9	6

CONTRACT NO. 62888



SECTION COUNTY SHEETS 810 533X-BR Durage 9 7 PROP. BIT. OR P.C.C SURFACE REMOVAL - BUTT JOINT 9.0 m (30ff.) (NOTE "A") SAW CUT (INCLUDED IN THE COST EXIST: BIT. OR CONC. SURFACE OF BITUMINOUS SURFACE PROP. PAY LIMIT OF BIT, SURF, REMOVAL 4.5 m (15ft.) (NOTE "B") REMOVAL - BUTT JOINT) (NOTE "D") TEMP, RAMP 45 (1 3/4) FOR E AND F MIX 40 (1 1/2) FOR C AND D MIX (NOTE "E") PROP. BIT. SURFACE REMOVAL -* * EXIST. PAVEMENT BUTT JOINT DETAIL EXIST. BIT. SURFACE EXIST, PAVEMENT MILLED TEMPORARY RAMP (FOR BUTT JOINT AND BIT. TAPER SEE DETAIL BELOW) TAPER LENGTH * * * OPTION 1 VARIES PROP. BIT. SURF. CRSE. -PROP. PAY LIMIT OF BIT. SURF. REMOVAL FULL THICKNESS OF MILLING _45 (1 3/4) FOR E AND F MIX 40 (1 1/2) FOR C AND D MIX PROP. BIT. BINDER CRSE. -SAW CUT (INCLUDED IN THE COST OF BITUMINOUS SURFACE (NOTE "C") PROP. BIT. SURFACE REMOVAL ~ REMOVAL - BUTT JOINT) * * EXIST. PAVEMENT _45 (1 3/4) FOR E AND F MIX F40 (1 1/2) FOR C AND D MIX BITUMINOUS TAPER DETAIL EXIST. BIT. TYPICAL BUTT JOINT AND BITUMINOUS TAPER EXIST. PAVEMENT FOR RESURFACING ONLY * * PC CONCRETE, BITUMINOUS OR BITUMINOUS RESURFACED PAVEMENT. BITUMINOUS CONSTRUCTED TEMPORARY RAMP (FOR BUTT JOINT AND BIT. TAPER SEE DETAIL BELOW) NOTES OPTION 2 A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS. TYPICAL TEMPORARY RAMP B: MINOR SIDE ROADS. C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING BITUMINOUS SURFACE. BIT. TAPER LENGTH *** SAW CUT (INCLUDED IN THE COST D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY OF BITUMINOUS SURFACE PROP. BIT. SURF. CRSE. PRIOR TO PLACING THE PROPOSED BITUMINOUS COURSES. REMOVAL - BUTT JOINT) E: TAPER THE TEMP. RAMP AT A RATE OF 900 (3 ft.) PER INCH OF MILLING THICKNESS. PROP. BIT. BINDER CRSE. 1.35 m (4.5') 45 (1 3/4) FOR E AND F MIX 40 (1 1/2) FOR C AND D MIX PAY LIMIT FOR BUTT JOINT (NOTE "D") F: INSTALLATION AND REMOVAL OF THE 1.35 m (4.5") TEMP. BIT. RAMP WILL BE PAID AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT". EXIST. BIT. G: SEE ARTICLE 406.18 AND 406.24 OF THE STANDARD SPECIFICATIONS FOR "BITUMINOUS AND PCC SURFACE REMOVAL, BUTT JOINT". SURF. * SEE TYPICAL SECTIONS FOR MILLING THICKNESS. EXIST. PAVEMENT BIT. SURF. REMOVAL - BUTT JOINT * * * * 6.1 m (20') PER 25 (1) RESURFACING (NOTE "A") ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN. 3.0 m (10") PER 25 (1) RESURFACING (NOTE "B") BUTT JOINT AND ILLINOIS DEPARTMENT OF TRANSPORTATION BITUMINOUS TAPER

TYPICAL BUTT JOINT AND BITUMINOUS TAPER

FOR MILLING AND RESURFACING

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR PER SOUARE METER (SOUARE YARD.) AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT" OR AS "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT

CHECKED BY
BD400-05 (VI=BD32)

REVISION DATE: 04/06/01

DRAWN BY

BUTT JOINT AND

BITUMINOUS TAPER

DETAILS

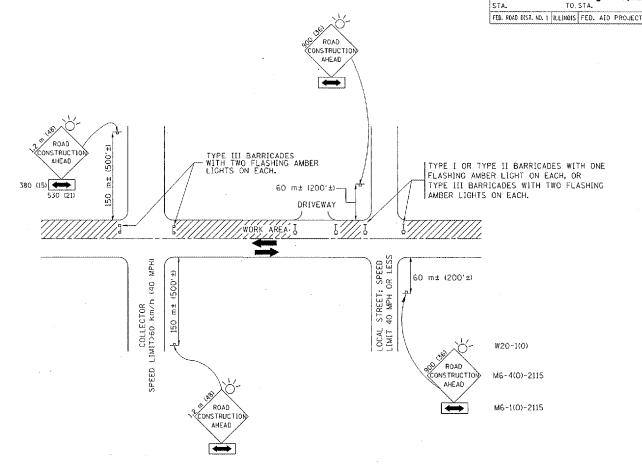
SCALE: NONE

DATE PLOTTED:10/18/2002

M. DE YONG

R. SHAH

RTE SECTION COUNTY 870 633X-BR Durage 9



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- SIDE ROAD WITH A SPEED LIMIT OF 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- a) ONE ROAD CONSTRUCTION AHEAD SIGN 900×900 (36x36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200") 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 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- a) ONE ROAD CONSTRUCTION AHEAD SIGN 1.2 m x 1.2 m (48x48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500') 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 LAME 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.

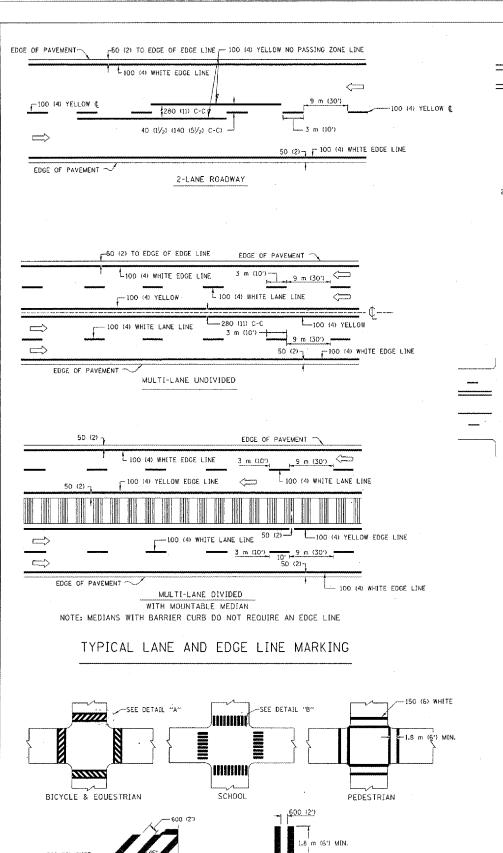
REVISIO	NS	THEMOTO	DEPARTM	
NAME	DATE	ILLINOIS	OCT AN INI	
LHA	6/89	TRAFFIC	CONTR	
T. RAMMACHER	09/08/94	1111111111	0011111	
J. OBERLE	10/18/95			
A. HOUSEH	03/06/96	SIDE R	ANC I	
A. HOUSEH	10/15/96	2100 10	UAUS, I	
T. RAMMACHER	01/06/00		DR	

MENT OF TRANSPORTATION ROL AND PROTECTION FOR

INTERSECTIONS, AND RIVEWAYS

SCALE: VERT. DATE 10/18/2002

CHECKED BY



LISO (6) WHITE

TYPICAL CROSSWALK MARKING

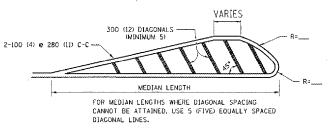
DETAIL "B"

DETAIL "A"

DATE-TIME *DGN-SPEC* VI-TCI3

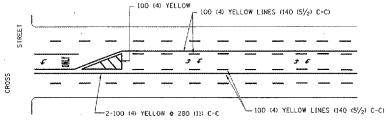
2-100 (4) YELLOW @ 280 (11) C-C-1.2 m (4') OUTSIDE TO NO DIAGONALS OUTSIDE OF LINES -- 2-100 (4) YELLOW @ 280 (11) C-C

1.2 m (4') WIDE MEDIANS ONLY

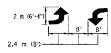


DIAGONAL LINE SPACING: 15 m (50') C-C (LESS THAN 50 km/h (30 MPH))
25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH))
45 m (150') C-C (MORE THAN 70 km/h (45 MPH))

MEDIANS OVER 1.2 m (4') WIDE

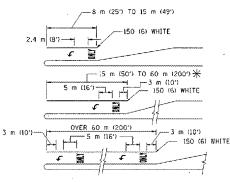


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 60 m (200") TO 90 m (300") INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

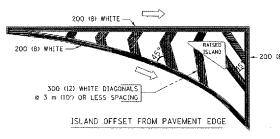
TYPICAL PAINTED MEDIAN MARKING

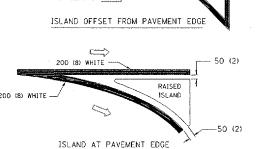


💥 TURN LANES IN EXCESS OF 120 m (400°) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF

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	100 (4)	SKIP-DASH	YELLOW	3 m (10") LINE WITH 9 m (30") SPACE
CENTERLINE ON MULTI-LANE UNDIVEDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	100 (4) 2 @ 100 (4)	SOLID SOLID	YELLOW YELLOW	140 (5½) C-C FROM SKIP-DASH CENTERLINE 280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4) 125 (5) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	3 m (10") LINE WITH 9 m (30") SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (2") LINE WITH 1.8 m (6") SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW: EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE; FULL STZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	3 m (10") LINE WITH 9 m (30") SPACE FOR SKIP-DASH: 140 (51/2) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	2.4 m (8') 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 @ 150 (6) 300 (12) @ 45° 300 (12) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6°) APART 600 (2°) APARY 600 (2°) APARY SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.2 m (4°) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPHIC POINT. PARALLEL TO CROSSROAD CENTERLIME, WHERE POSSIBLE
PAINTED MEDIANS	2 & 100 (4) WITH 300 (12) DIAGONALS & 45° NO DIAGONALS USED FOR 1.2 m (4') WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	280 (II) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH)) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES; "RR" IS 1.8 m (6') LETTERS; 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R":0.33m2 (3.6 SO. FT.) EACH "X":=5.0 m ² (54.0 SO. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH) 45 m (150') C-C (0VER 70 km/h (45 MPH))

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

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

870 533X-BR DuPage 9

PED. ROKO BOST, NO.

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: NONE

DRAWN BY CADD CHECKED BY

TC-13 REVISION DATE: 01/06/00