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

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

DORCHESTER AVENUE

151ST STREET TO THE SOUTH LEG OF 152ND STREET SAFE ROUTES TO SCHOOL PROGRAM

SIDEWALK CONSTRUCTION AND BUS LOADING ZONE EXTENSION

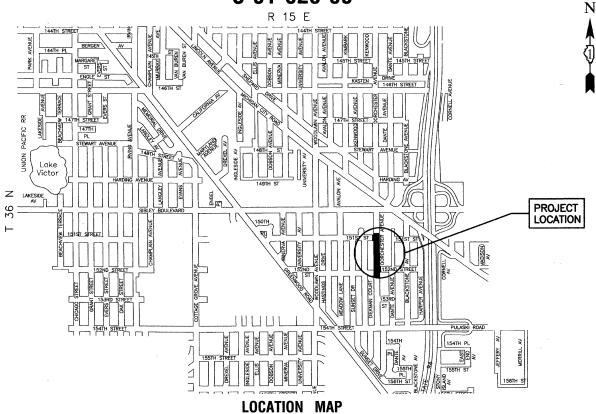
CMAQ PROJECT NO.: CMM-9003(079)

L.A. SECTION NO.: 06-00162-02-SW LEAD LOCAL AGENCY: VILLAGE of LANSING

LOCATED IN: VILLAGE of DOLTON

COOK COUNTY

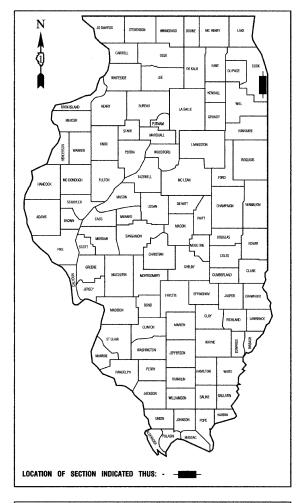
C-91-020-09

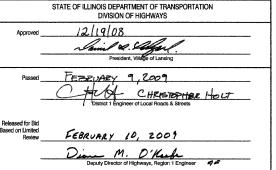


GROSS LENGTH=830 FEET=0.16 MILES NET LENGTH=830 FEET=0.16 MILES

COOK ILLINOIS FED. AID PROJECT CMM-9003(079)

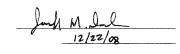
CONTRACT #63119





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PREPARED BY OR UNDER THE





INDEX OF SHEETS SEE SHEET NO. 2

STATE STANDARDS SEE SHEET NO. 2

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.

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

CONTRACT NO. 63119

		SUMMARY OF QUANTITIES			PAVEMENT	MARKINGS	SIGNS	LANDSCAPE
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	1000	SFTY-1D	Y002-1C	DE Y003
		FIDTH FYANATON						
	20200100	EARTH EXCAVATION	CU YD	89	89			
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	235				235
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	3				3
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	. 3				3
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	3				3
	25,200110	SODDING, SALT TOLERANT	SQ YD	235				235
. : .	31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	237	237			
	35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	90	90			
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	27	27			
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	13	13			
].	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	10	10			
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1976	1976			
	42400800	DETECTABLE WARNINGS	SQ FT	64	64			
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	141	141			<u> </u>
	44000600	SIDEWALK REMOVAL	SQ FT	410	410			
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1	1			
	60601005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	15	15			
	60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	119	119			
	67100100	MOBILIZATION	L SUM	1	1			
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1			
	72000100	SIGN PANEL - TYPE 1	SQ FT	6.0			6.0	
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2			2	
. 1	72900200	METAL POST - TYPE B	FOOT	24	1		24	
*	78000600	THERMOPLASTIC PAVEMENT MARKING LINE 12"	FOOT	220		220		
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	127		127		
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	200	Marie and the part that a	200		
	X6063401	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	87	87	T		
1	X7240505	RELOCATE SIGN PANEL AND POST	EACH	1	. = -		1	
	XX001011	BICYCLE RACKS	EACH	1	1			

* - INDICATES SPECIALTY ITEMS

COVER SHEET

INDEX OF SHEETS

- 2. SUMMARY OF QUANTITIES, INDEX OF SHEETS, STATE STANDARDS, & GENERAL NOTES
- TYPICAL SECTIONS
- 4. EXISTING PLAN
- 5. PROPOSED SIDEWALK, PAVEMENT MARKING, AND BUS LANE PLAN
- 6. DISTRICT 1 TYPICAL PAVEMENT MARKINGS

STATE STANDARDS

424001-05	CURB RAMPS FOR SIDEWALKS
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDG
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701801-04	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
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 (FOR SIGNS & MARKERS)

GENERAL NOTES:

EXISTING VILLAGE OWNED AND MAINTAINED UTILITY LINES ARE SHOWN ON THE PLANS TO INDICATE THEIR PRESENCE AND APPROXIMATE LOCATION. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF DOLTON PUBLIC WORKS DEPARTMENT (708) 201–3235 TWO WEEKS PRIOR TO COMMENCING ANY EXCAVATION IN THE VICINITY OF THIS LINES. THE VILLAGE WILL THEN LOCATE AND MARK THE HORIZONTAL LOCATIONS OF THE LINES AND PROVIDE ANY AVAILABLE INFORMATION AS TO THEIR DEPTH. SHOULD ANY OF THE LINES BE DAMAGED BY THE CONTRACTOR'S OPERATION, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF THE ENGINEER AND AT NO COST TO THE VILLAGE/STATE.

UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

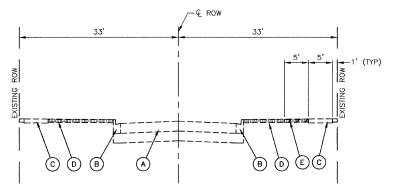
UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PREFORMED. J.U.L.I.E.-JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800) 892-0123 OR 811.

SIDEWALK SLOPES SHALL NOT EXCEED A 2% CROSS SLOPE, 5% LONGITUDINAL SLOPE.

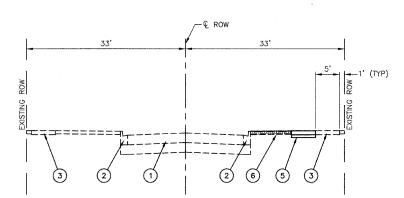
ALL GRASSED AREAS DISTURBED BY CONSTRUCTION OPERATIONS, INCLUDING LOCATIONS WHERE SIDEWALK IS TO BE REMOVED AND NOT REPLACED ARE TO BE RESTORED WITH TOPSOIL FURNISH AND PLACE, 4", NITROGEN, PHOSPHORUS AND POTASSIUM NUTRIENTS, AND SODDING, SALT TOLERANT AS DEPICTED IN THE SUMMARY OF QUANTITIES.

ALL PROPOSED SIGN PANELS SHALL HAVE TYPE AZ REFLECTORIZED SHEETING.

DORCHESTER AVENUE	F.A.U. RTE.				COUNTY		TOTAL HEETS	SHEET NO.	
SIDEWALK CONSTRUCTION AND BUS LOADING ZONE EXTENSION		06-	0016	2-02-SW		COOK		6	2
SUMMARY OF QUANTITIES, INDEX OF SHEETS, STATE STANDARDS, & GENERAL NOTES						CONTRA	CT NO	D. 6311	9
SCALE: NONE SHEET NO. 2 OF 6 SHEETS STA. TO STA.	EED BO	AD DIST NO	1	BUINOIS	FED AL	D PROJECT C	MM-90	03/070)	



EXISTING TYPICAL CROSS SECTION
STA 11+25 TO STA 12+13 AND STA 16+05 TO STA 18+08



PROPOSED TYPICAL CROSS SECTION

STA 11+25 TO STA 12+13 AND STA 16+05 TO STA 18+08

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE

AC TYPE

AIR VOIDS

BUS LOADING ZONE LANE EXTENSION

HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50; (IL 9.5mm)

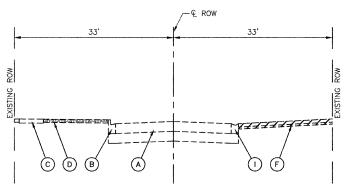
PG 64-22

4% AT 50 Gyr

HOT-MIX ASPHALT BINDER COURSE, N50; (IL-19.0mm)

PG 64-22 * 4% AT 50 Gyr

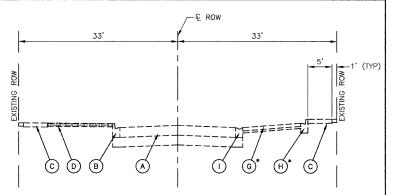
*WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22 THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 lbs/sq yd/ in.



EXISTING TYPICAL CROSS SECTION STA 12+13 TO STA 12+57

EXISTING LEGEND

- A) EXISTING ROADWAY TO REMAIN
- B EXISTING TYPE M-2.12 CURB AND GUTTER TO REMAIN
- C CONCRETE SIDEWALK TO REMAIN
- D EXISTING GRASSED PARKWAY
- E) EXISTING GRASSED PARKWAY TO BE REMOVED (TO BE PAID FOR AS EARTH EXCAVATION)
- F EXISTING BITUMINOUS DRIVEWAY TO BE REMOVED (TO BE PAID FOR AS EARTH EXCAVATION)
- (G) EXISTING BITUMINOUS BUS LOADING ZONE LANE
- H EXISTING CURB AND GUTTER TY. M-4.12 TO REMAIN
- () EXISTING DEPRESSED CURB TO REMAIN

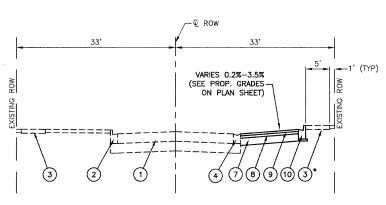


EXISTING TYPICAL CROSS SECTION STA 12+88 TO STA 16+05

*STA 12+57 TO STA 12+88
EXISTING IS GRASSED PARKWAY UP TO P.C.C.
SIDEWALK AS SHOWN ON THE PLAN SHEET
(REMOVAL OF GRASSED PARKWAY TO BE PAID
FOR AS EARTH EXCAVATION.)

PROPOSED LEGEND

- 1) EXISTING ROADWAY TO REMAIN
- 2) EXISTING TYPE M-2.12 CURB AND GUTTER TO REMAIN
- 3 CONCRETE SIDEWALK TO REMAIN
- (4) EXISTING DEPRESSED CURB TO REMAIN
- PROPOSED P.C.C. SIDEWALK, 5" PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B 4"
- PROPOSED TOPSOIL, FURNISH AND PLACE, 4"
 NUTRIENTS (NITROGEN, PHOSPHORUS, POTASSIUM)
 SODDING, SALT TOLERANT
- 7) AGGREGATE BASE COURSE, TYPE B 8"
- B) HOT MIX ASPHALT BINDER COURSE, (HMA BINDER IL-19.0, N50) 2 1/2""
- 9 HOT MIX ASPHALT SURFACE COURSE, MIX C, N50 2"
- PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12 PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B 4"



PROPOSED TYPICAL CROSS SECTION STA 12+13 TO STA 12+88

*NEW P.C.C. SIDEWALK, 5" AND SUB-BASE GRANULAR MATERIAL, 4" FROM STA 12+13 TO STA 12+57

TO STA. N/A

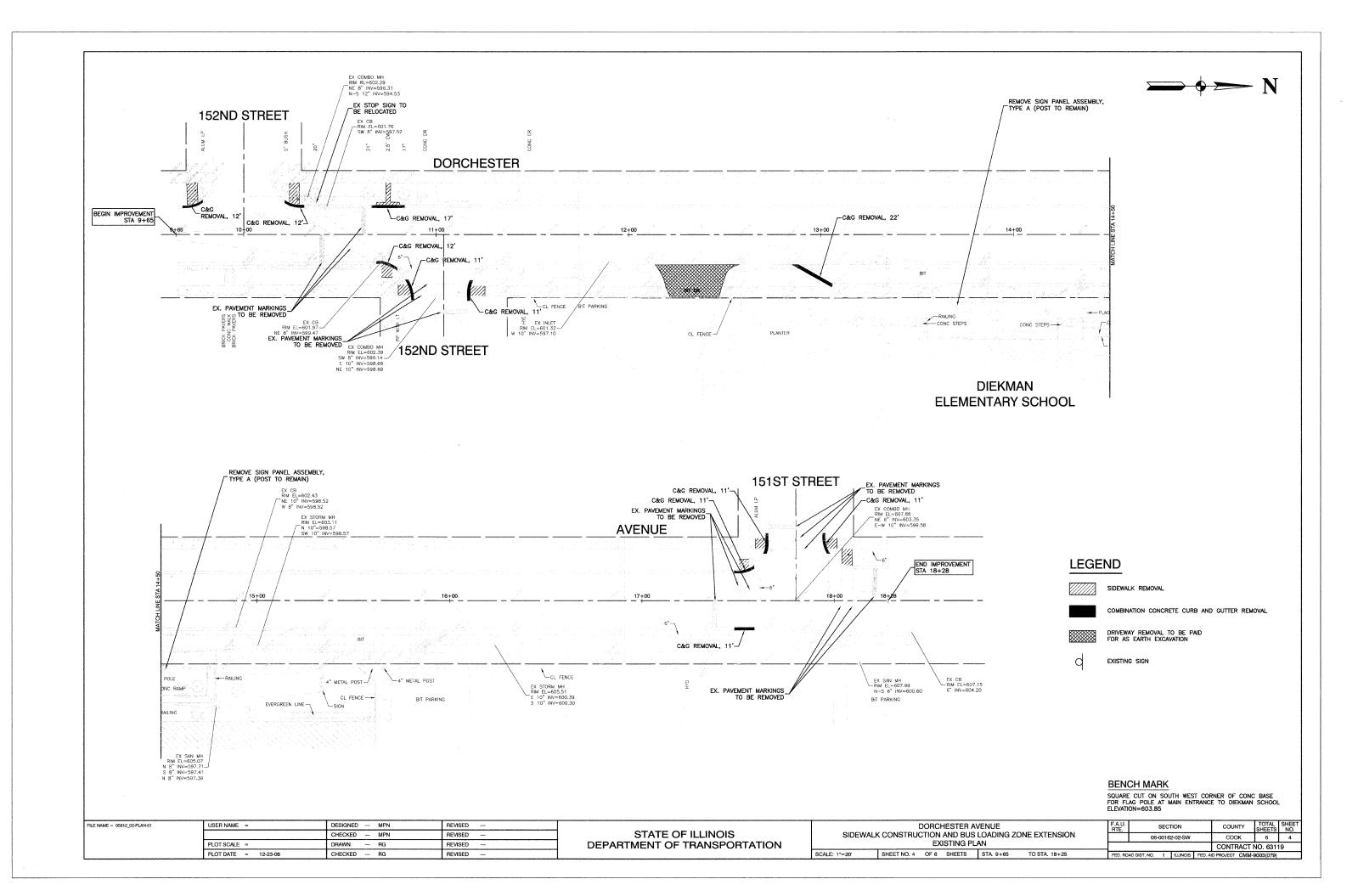
FILE NAME = 05612_02-TYPX-01	USER NAME =	DESIGNED MPN	REVISED
		CHECKED MPN	REVISED
	PLOT SCALE =	DRAWN — MJD	REVISED
	PLOT DATE = 12-23-08	CHECKED — MJD	REVISED

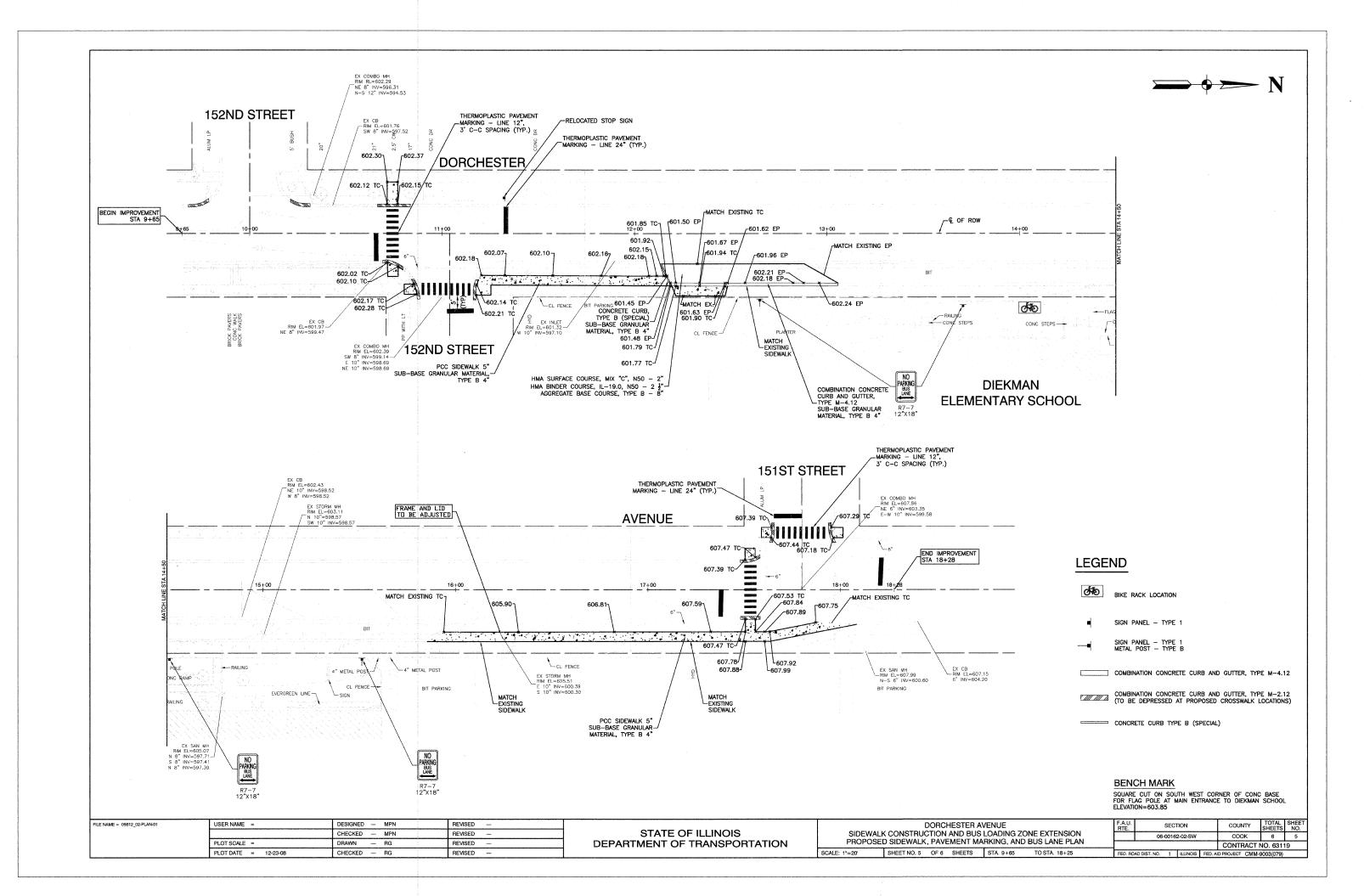
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

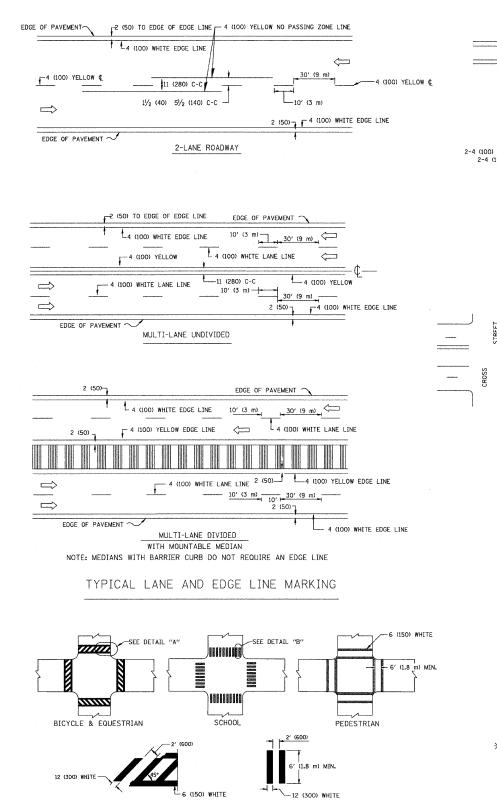
DORCHESTER AVENUE
SIDEWALK CONSTRUCTION AND BUS LOADING ZONE EXTENSION
TYPICAL SECTIONS

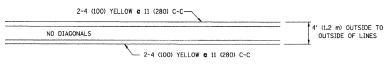
SHEET NO. 3 OF 6 SHEETS STA. N/A

SCALE: N/A

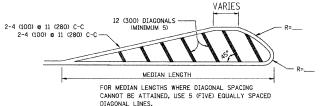






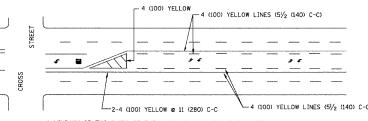


4' (1.2 m) WIDE MEDIANS ONLY

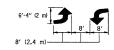


DIAGONAL LINE SPACING: 50′ (15 m) C-C (LESS THAN 30MPH (50 km/h))
75′ (25 m) C-C 30MPH (50 km/h) T0 45MPH (70 km/h))
150′ (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

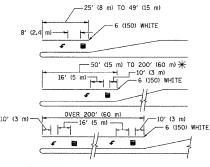


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR, ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

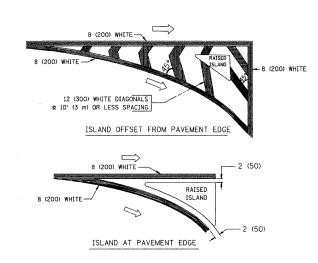


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. \P AREA = 15.6 SQ. FT. (1.5 m²) \P AREA = 20.8 SQ. FT. (1.9 m²)

* 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

	T			
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 UNDIVEDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	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; 51/2 (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' (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	SOLID	YELLOW: TWO WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE
:	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	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 0F: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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

FILE NAME =	USER NAME = gaglianobt	DESIGNED	-	EVERS	REVISED	-T. RAMMACHER 10-27-94
W:\diststd\22x34\tc13.dgn		DRAWN	-		REVISED	-A. HOUSEH 10-09-96
	PLOT SCALE = 50.000 '/ IN.	CHECKED	-		REVISED	-A. HOUSEH 10-17-96
05612_02-DTLS-01 - TC-13	PLOT DATE = 1/4/2008	DATE	-	03-19-90	REVISED	-T. RAMMACHER 01-06-00

TYPICAL CROSSWALK MARKING

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DORCHESTER AVENUE								F.A. RTE
	SIDEWALK CONSTRUCTION AND BUS LOADING ZONE EXTENSION DISTRICT 1 TYPICAL PAVEMENT MARKINGS							
-	SCALE: NONE	SHEET NO. 6	OF 6	SHEETS	STA.	TO STA.		FED
0	SCALE: NONE	SHEET NO. 0	Or b	SHEETS	I SIA.	IUSIA.		

F.A.U. RTE.	SEC	TION	COUN	TY	TOTAL SHEETS	SHE	
1	06-001	62-02-SW		COOK 6			
	TC-1:	3		CONTR	ACT	VO. 6311	9
FED. RO.	AD DIST, NO. 1	ILLINOIS	FED. A	ID PROJECT	CMM-9	9003(079)	