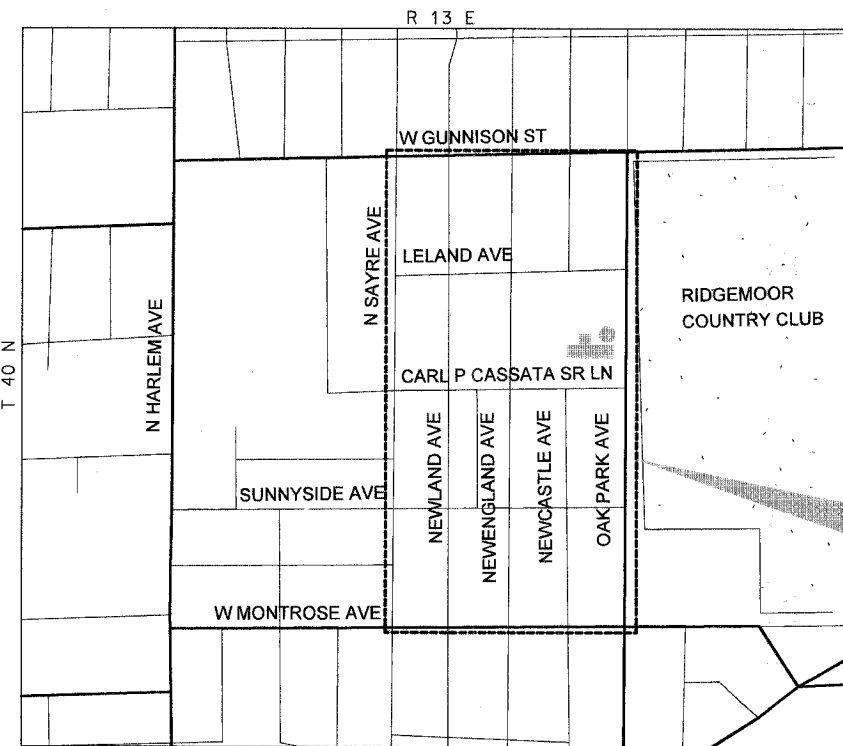


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

VILLAGE OF HARWOOD HEIGHTS
PEDESTRIAN FACILITY IMPROVEMENTS FOR
UNION RIDGE ELEMENTARY SCHOOL
SECTION No. 07-00049-00-SW
PROJECT No. CMM-8003 (884)
JOB No. C-91-050-08
PEDESTRIAN FACILITY IMPROVEMENTS

COOK COUNTY



TRAFFIC DATA
ADT (YEAR) = NA
SPEED LIMIT = NA

PROJECT LOCATION

LOCATION MAP
N.T.S.

GROSS LENGTH OF PROJECT = NA
NET LENGTH OF PROJECT = NA



LEE M. FELL P.E.
ENGINEER
3/7/08
DATE
ILLINOIS REGISTRATION No. 062-053708
EXPIRATION DATE: 11/2009



CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFESSIONAL DESIGN FIRM NO. 184-001175
EXPIRATION DATE: 04/30/09

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS.

F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	07-00049-00-SW	COOK	8	1
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT No. 63022

INDEX OF SHEETS

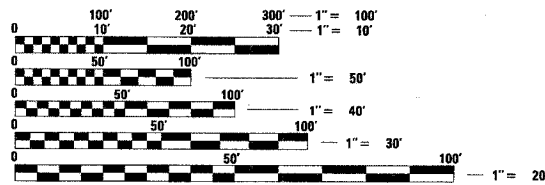
DESCRIPTION	SHEET NO.
TITLE SHEET	1
GENERAL NOTES & IDOT STANDARDS	2
SUMMARY OF QUANTITIES	3
OVERALL SITE PLAN	4
CONSTRUCTION DETAILS	5
DISTRICT ONE TYPICAL PAVEMENT MARKINGS	6
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS	7
PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING	8

LIST OF STATE STANDARDS LOCATED ON SHEET NO. 2

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.

CALL JULIE 1-800-892-0123
WITH THE FOLLOWING:

COUNTY COOK
CITY-TOWNSHIP HARWOOD HEIGHTS
SEC. & 1/4 SEC. NO. * N.E. 1/4 SEC 13, T40N R12E
48 HOURS BEFORE YOU DIG.
EXCLUDING SAT., SUN., & HOLIDAYS



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.

CONTRACT NO. 63022

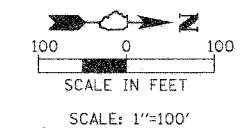
FIELD ENGINEER: MARILYN D. SOLOMON
201 W. CENTER COURT
SCHAMBURG, ILLINOIS 60196-1096
(847) 705-4407

SPECIALTY ITEM	IDOT PAY ITEM	DESCRIPTION	UNIT	SFTY-1B QTY
	20101100	TREE TRUNK PROTECTION	EACH	1
	20101200	TREE ROOT PRUNING	EACH	1
	42400430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ. FT.	1849
	42400800	DETECTABLE WARNINGS	SQ. FT.	205
	44000100	PAVEMENT REMOVAL	SQ. YD.	435
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	340
	44000600	SIDEWALK REMOVAL	SQ. FT.	1849
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	340
	66410300	CHAIN LINK FENCE REMOVAL	FOOT	95
	67100100	MOBILIZATION	L. SUM	1
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L. SUM	1
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L. SUM	1
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L. SUM	1
	72000105	SIGN PANEL - TYPE 1, (SPECIAL)	SQ. FT.	158
	72900100	METAL POST - TYPE A	FOOT	300
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	805
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	315
*	XX001011	BICYCLE RACKS	EACH	2
	XX005283	BRICK PAVER CROSSWALK	SQ. FT.	965
*	XX006653	FENCE, SPECIAL	FOOT	90
*	XX002827	FLASHING BEACON	EACH	2

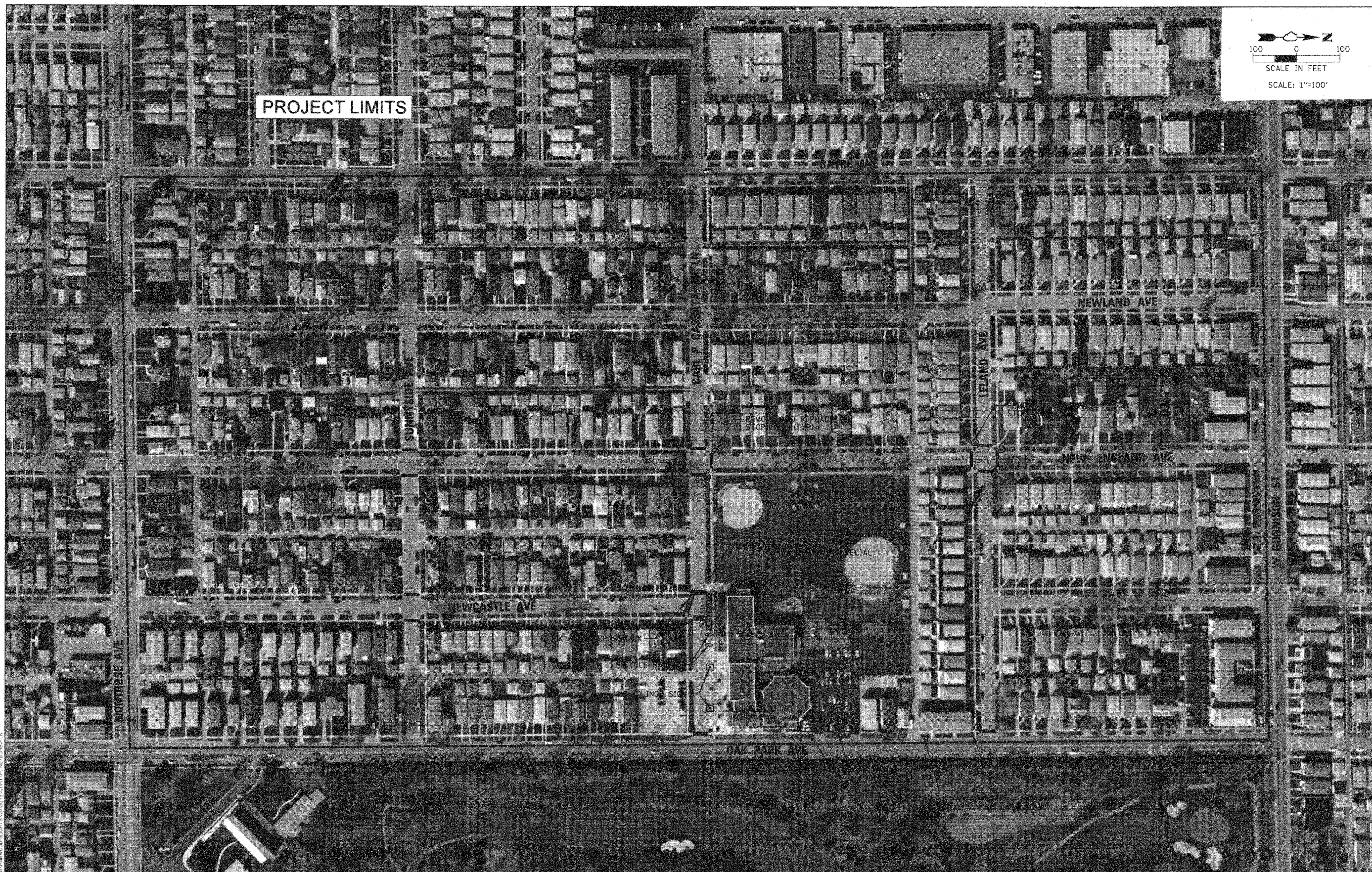
* INDICATES SPECIALITY ITEM

N:\MAPS\CDHE\LIGHTS\0728598\CDHE\1\04\0728598.DWG

FILE NAME = 04A0728598.DWG	USER NAME = MACOLDEN	DESIGNED - PMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE =	DRAWN - PMM	REVISED -	-			07-00049-00-SW	COOK	8	3	
PLOT DATE = 3/13/2008	CHECKED - LMF	REVISED -	CONTRACT NO. 63022							
	DATE -	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	



PROJECT LIMITS



FILE NAME - PLN070598.PLN PLOT SCALE = 1/80' PLOT DATE = 3/13/2008	USER NAME = MAGGOLDEN	DESIGNED - PMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OVERALL SITE PLAN	F.A. RTE. -	SECTION 07-00049-00-SW	COUNTY COOK	TOTAL SHEETS 8	SHEET NO. 4		
	CHECKED - LMF	REVISED -	CONTRACT NO. 63022									
	DATE -	REVISED -	SCALE:			SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

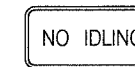
N:\HARDWARE\EDITS\070598\070598.DWG

SIGNS



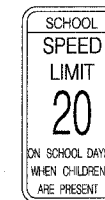
R1-1
30"x30"

DIAMOND GRADE REFLECTIVE SHEETING, RED WHITE LETTERS



24"x18"

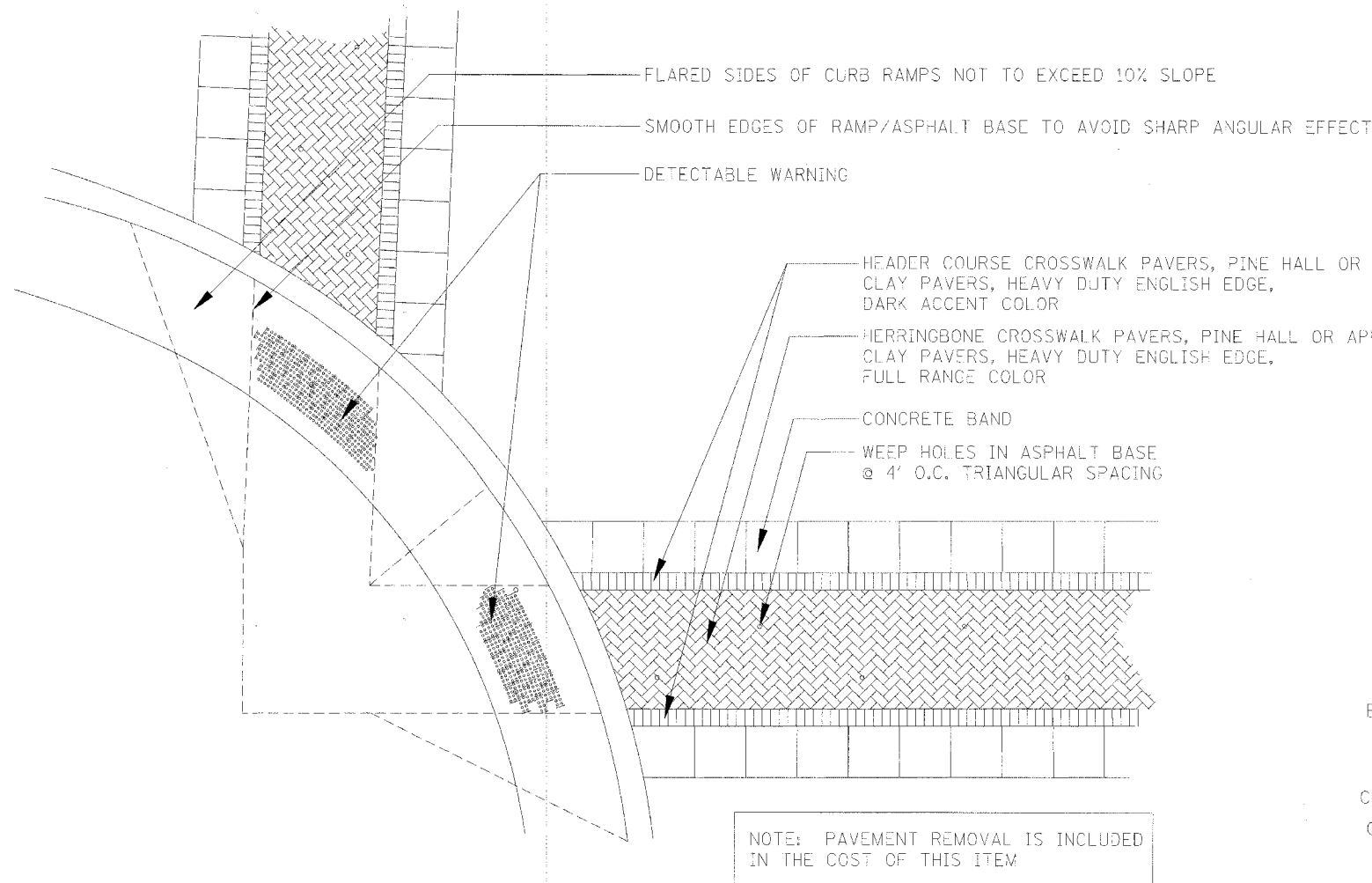
DIAMOND GRADE REFLECTIVE SHEETING, WHITE, BLACK LETTERS



S4-I100
24"x60"

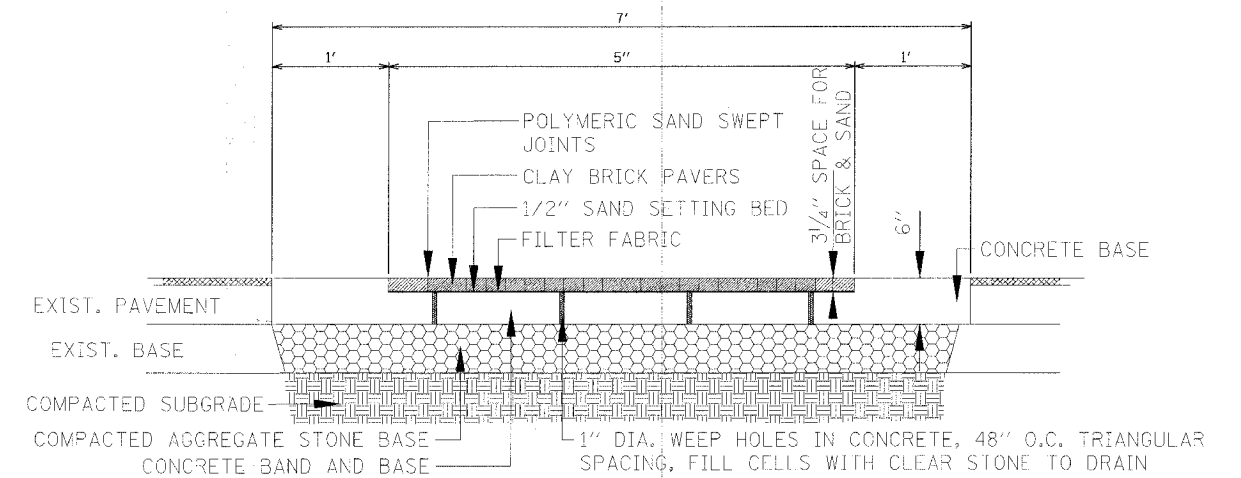
FLOURESCENT YELLOW GREN

DIAMOND GRADE REFLECTIVE SHEETING, WHITE, BLACK LETTERS



BRICK PAVERS /CURB RAMPS PLAN

NTS



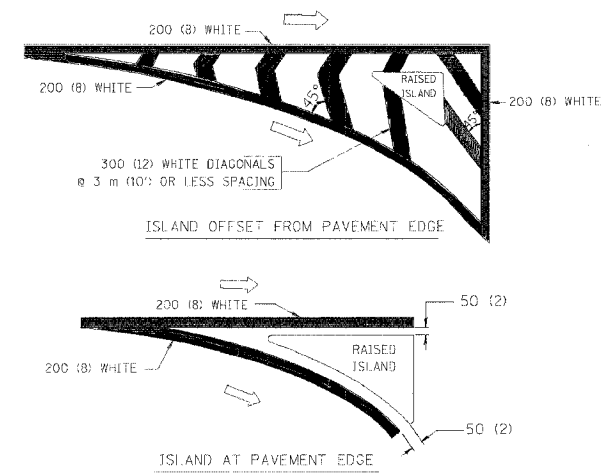
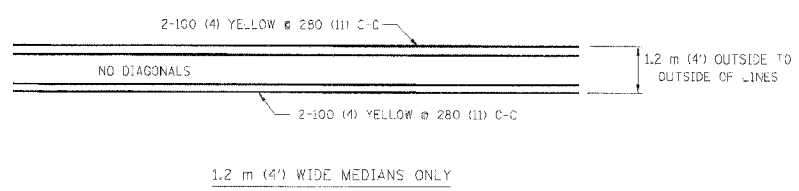
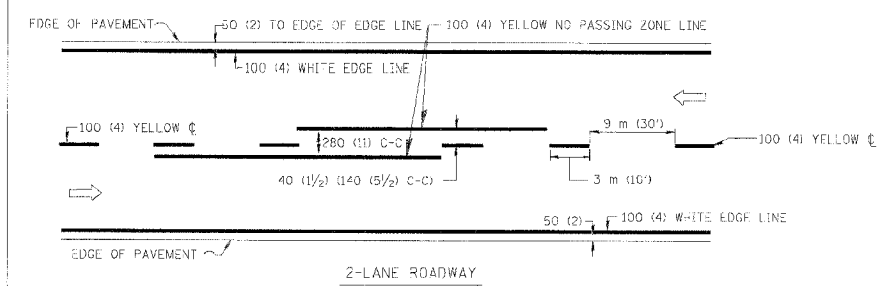
BRICK PAVER CROSSWALK

NTS

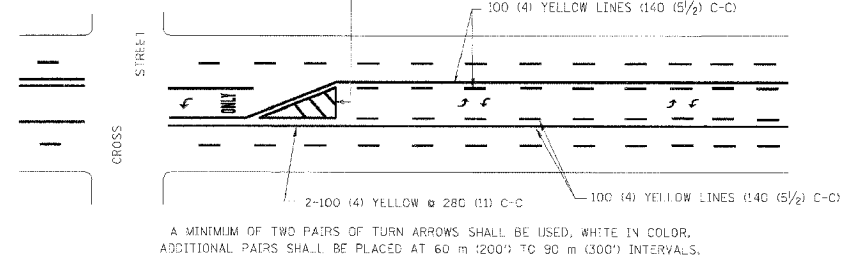
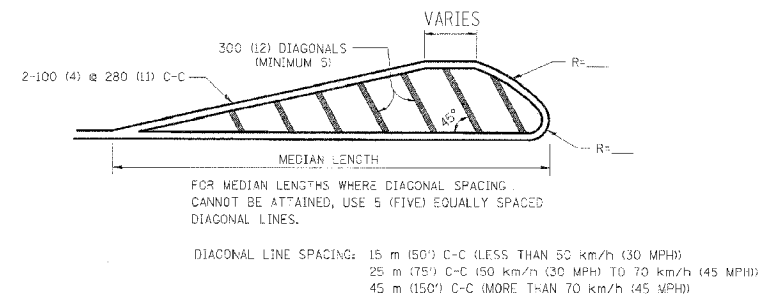
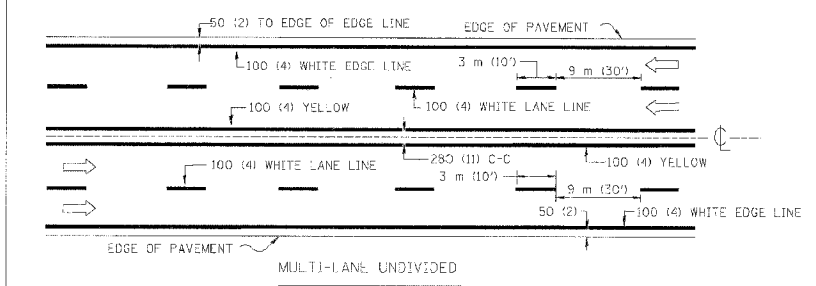
N:\HARWOOD\RIGHTS\070598\GV\1\DET\070598.DET

FILE NAME = DET070598.DET	USER NAME = MAGOLDEN	DESIGNED - PMM	REVISED - -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONSTRUCTION DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE =	CHECKED - LMF	REVISED - -	-			07-00049-00-SW	COOK	8	5	
PLOT DATE = 3/6/2008	DATE - -	REVISED - -	CONTRACT NO. 63022							
SCALE: SHEET NO. OF SHEETS STA. TO STA.						FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

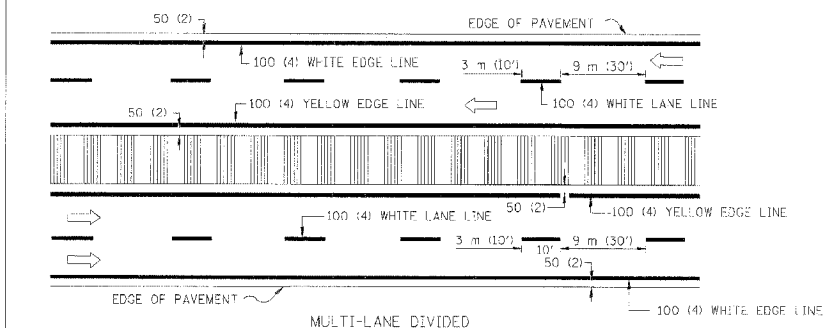
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



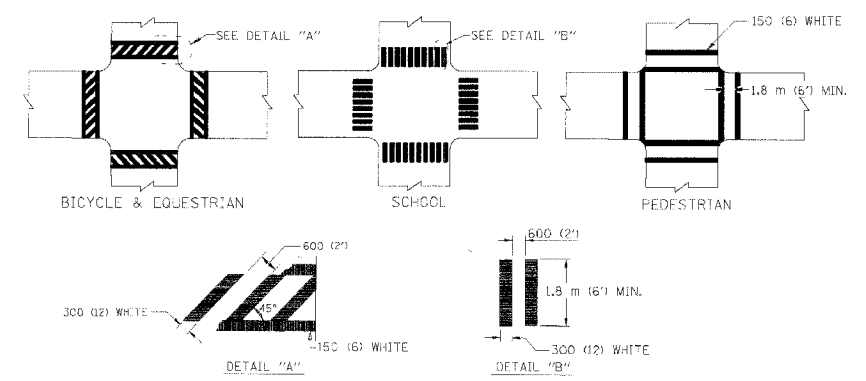
TYPICAL ISLAND MARKING



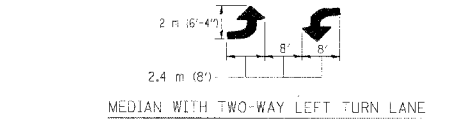
TYPICAL PAINTED MEDIAN MARKING



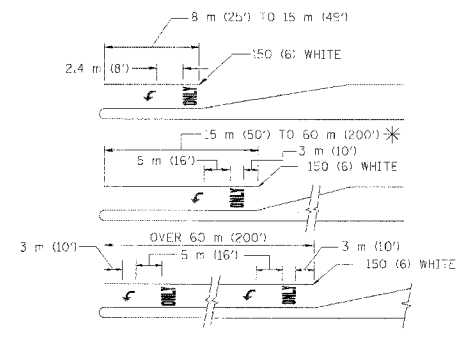
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



TYPICAL LEFT (OR RIGHT) TURN LANE MARKING



FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED.
AREA = 1.5 m² (15.6 SQ. FT.) ONLY AREA = 1.9 m² (20.8 SQ. FT.)
* 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 ARROW - "ONLY".

TYPICAL TURN LANE 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 UNDIVIDED 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 (5 1/2) 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 SIZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION 2.4 m (8') LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH; 140 (5 1/2) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE 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') APART 600 (2') APART 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 STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, 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 (11) 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 78000: AREA OF: "R"=0.33m ² (3.6 SQ. FT.) EACH "X"=5.0 m ² (54.0 SQ. 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 (OVER 70 km/h (45 MPH))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 78000.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT ONE TYPICAL PAVEMENT MARKINGS	
REVISIONS	REVISION DATE/08/00
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00
SCALE: NONE	DRAWN BY: CADD
DATE: 10/19/2002	CHECKED BY:
TC-13	

NA:\P\ROAD\EDITS\07\05\8\County\062794.dwg

DATE-TIME
DGN-SPEC
*V-T-C-3

FILE NAME = 062794.dwg	USER NAME = MAGOLDEN	DESIGNED - PMM	REVISED -
PLOT SCALE =	CHECKED - LMF	DRAWN - PMM	REVISED -
PLOT DATE = 3/6/2008	DATE -	CHECKED - LMF	REVISED -
		DATE -	REVISED -

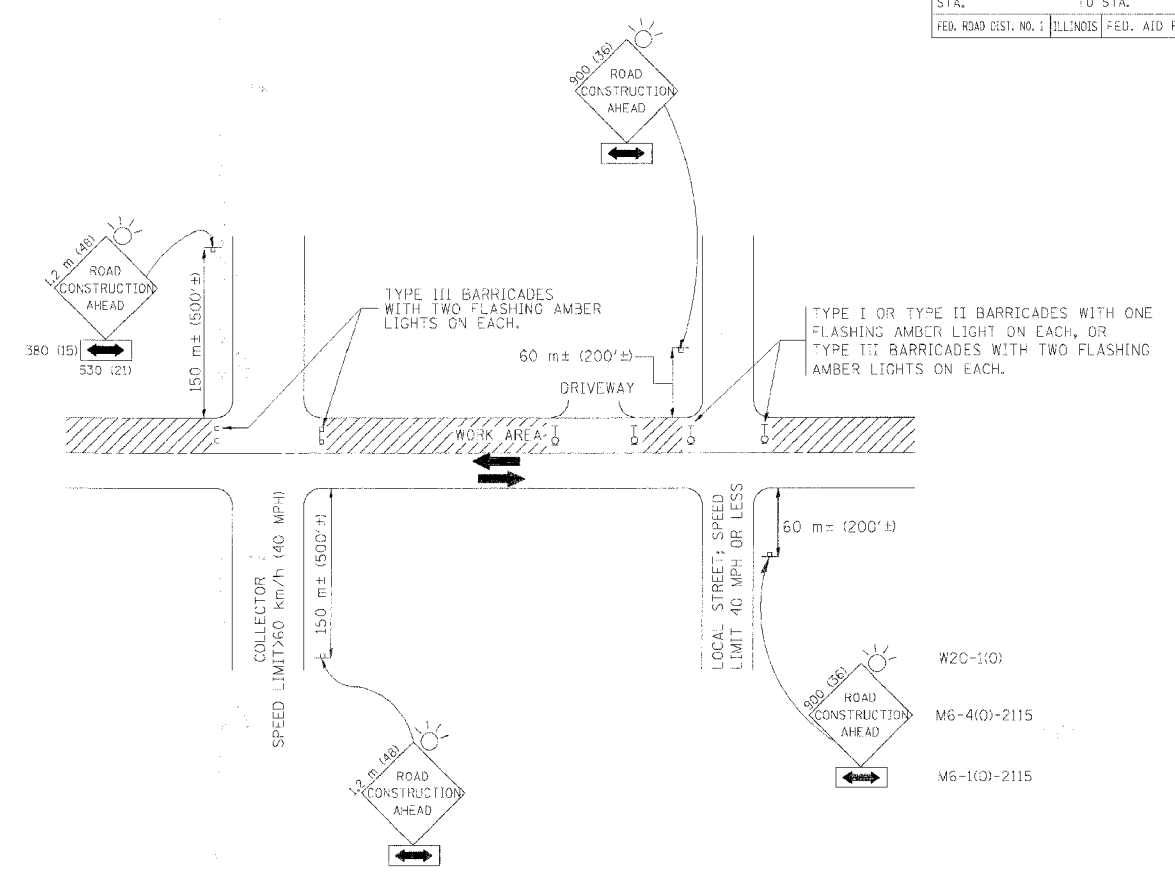
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	07-00049-00-SW	COOK	8	6
CONTRACT NO. 63022				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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 900x900 (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.
 - 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.
 - 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. 701506 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.**

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION	
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	
SCALE: VERT.	DRAWN BY
SCALE: HORIZ.	CHECKED BY
DATE 10/18/2002	TC-10
REVISION DATE: 01/06/00	

Friday, October 18, 2002 @ 10:20:23 AM
 c:\projects\distatd\vtc10.dgn LV=35,63
 USER

N:\HARWOOD\HEIGHTS\078595\03\1\0527144.dwg

FILE NAME =	USER NAME =
06279std.sxd	MAGOLDEN
PLOT SCALE =	DATE =
	3/6/2008

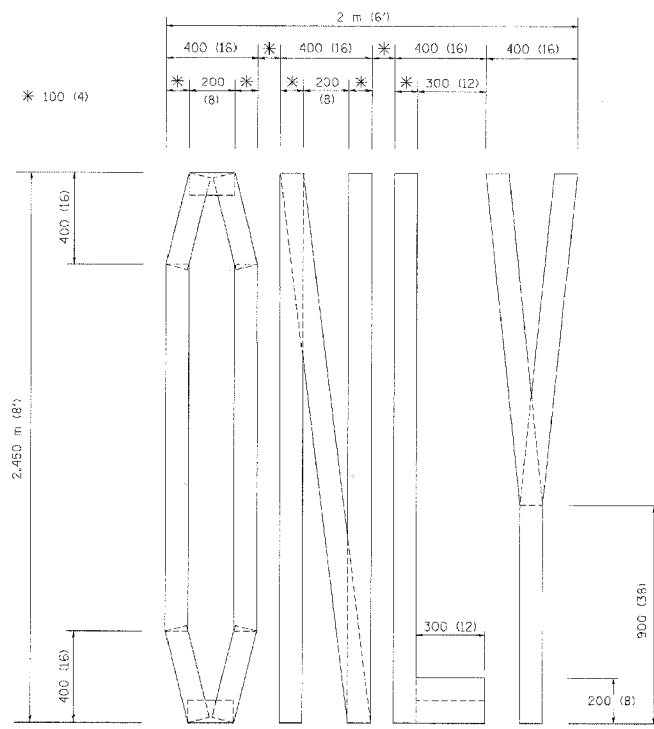
DESIGNED -	REVISOR -
PMM	
DRAWN -	REVISOR -
PMM	
CHECKED -	REVISOR -
LMF	
DATE -	REVISOR -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

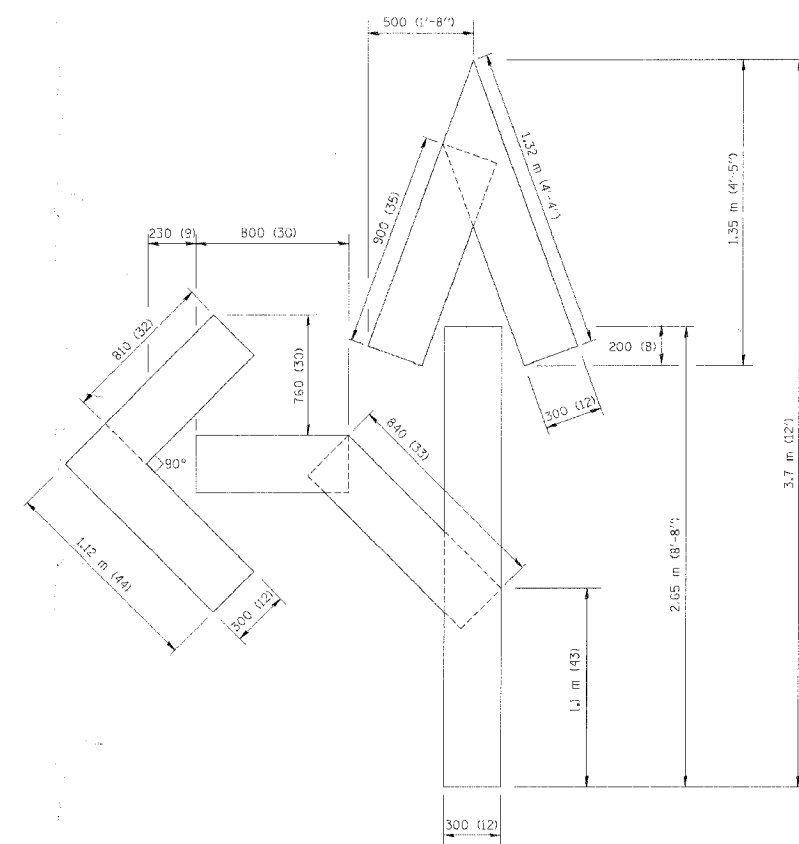
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	07-00049-00-SW	COOK	8	7
CONTRACT NO. 63022				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

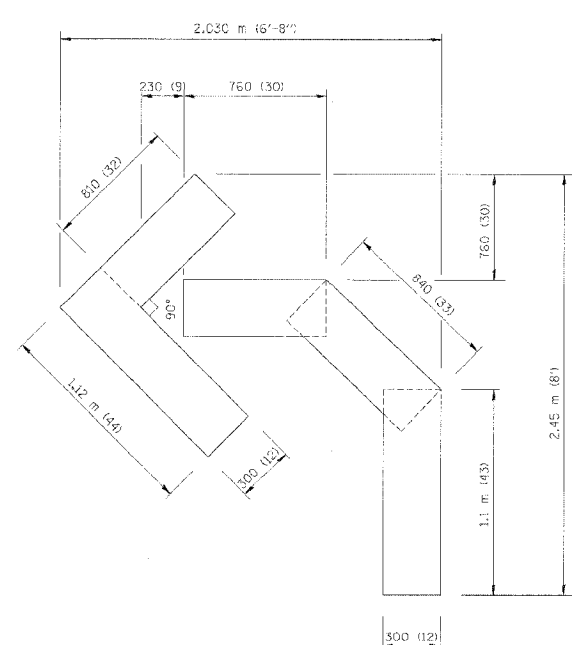
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TC STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



QUANTITY
 100 (4) LINE = 19.7 m (64.1 ft.)
 1.97 sq. m (21.1 sq. ft.)



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



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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OSERLE	06/01/96
I. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

SCALE: NONE
 DATE 10/18/2002
 DRAWN BY CADD
 CHECKED BY TC-16

REVISION DATE: 08/28/00

N:\HARVARD\DELIGHTS\070898\Civil\06279std.dwg

Friday, October 18, 2002 @ 10:23:21 AM
 c:\proj\070898\civil\06279std.dwg LV=35,63
 VNTC

FILE NAME = 06279std.std	USER NAME = MAGOLDEN	DESIGNED - PMM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING	F.A. RTE. -	SECTION 07-00049-00-SW	COUNTY COOK	TOTAL SHEETS 8	SHEET NO. 8		
PLOT SCALE -	CHECKED - LMF	DRAWN - PMM	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 63022			
PLDT DATE = 3/6/2008	DATE -	CHECKED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						
		DATE -	REVISED -									