INDEX OF SHEETS

- 1 COVER SHEET, INDEX OF SHEETS, LOCATION MAP INDEX OF STATE STANDARDS
- 2 SUMMARY OF QUANTITIES & GENERAL NOTES
- 3 TYPICAL CROSS SECTION
- 4-6 PAVEMENT PLAN
- 7-9 STRIPING PLAN
- 10-20 DISTRICT 1 STANDARD DETAILS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 1629 / VOLLMER ROAD
HALSTED STREET TO DIXIE HIGHWAY
LOCAL AGENCY PAVEMENT PRESERVATION

STREET RESURFACING

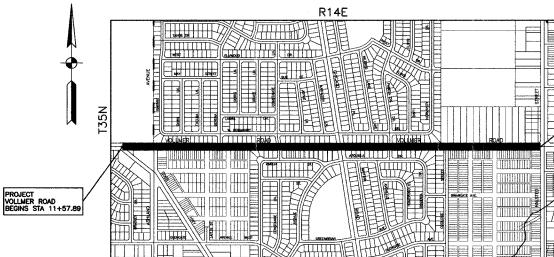
PROJECT: M-8003(793)

SECTION NO.: 07-00220-00-RS

JOB NO.: C-91-181-07

CITY OF CHICAGO HEIGHTS

COOK COUNTY



STATE STANDARDS

	STATE STANDADDS
000001-04	STANDARD STANDARDS, ABBREVIATIONS AND PATTERNS
280001-03	TEMPORARY EROSION CONTROL SYSTEMS
424001-04	CURB RAMPS FOR SIDEWALK
442201-02	CLASS C AND D PATCHES
606001-03	CONCRETE CURB AND COMBINATION CONCRETE CURB & GUTTER
701501-03	URBAN LANE CLOSURE 2-L, 2-W, UNDIVIDED
701601-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-03	LANE CLOSURE, MULTILANE, 1W OR 2W, CROSSWALK
	OR SIDEWALK CLOSURE,
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTION LOOPS

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.

KEVIN STALLWORTH

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

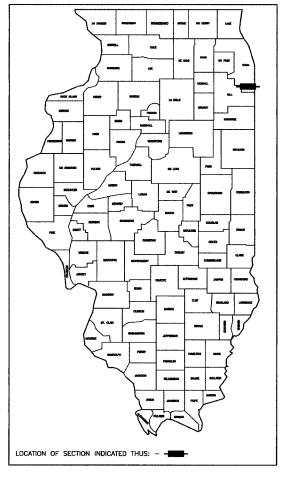
CONTRACT NO. 83934

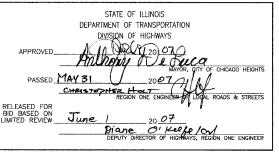
LOCATION MAP

- INDICATES PROPOSED IMPROVEMENT

GROSS LENGTH= 5,529 FEET = 1.05 MILES NET LENGTH= 5,529 FEET = 1.05 MILES VOLLMER ROAD ARTERIAL ADT=12,100 (2007) =12,100 (2030) DESIGN SPEED=30 MPH SPEED LIMIT= 30 MPH PROJECT VOLLMER ROAD ENDS STA 66+85







PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

Josh M. Jal
4/9/67



SECTION 8, TOWNSHIP 35, RANGE 14 SECTION 17, TOWNSHIP 35, RANGE 14

		SUMMARY OF QUANTITIES		I.000
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN
	35800200	AGGREGATE BASE REPAIR	TON	100
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	2
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2
	25200110	SODDING, SALT TOLERANT	SQ YD	150
	40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	4200
	40600300	AGGREGATE (PRIME COAT)	TON	50
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	840
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1700
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SQ FT	270
	42400800	DETECTABLE WARNINGS	SQ FT	65
	44000161	HOT-MIX ASPHALT SURFACE REMOVAL 3"	SQ YD	19000
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1000
	44000600	SIDEWALK REMOVAL	SQ FT	270
	44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	130
	44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	160
	44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	910
	44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	19000
-	60250200	CATCH BASINS TO BE ADJUSTED	EACH	47
	60255500	MANHOLE TO BE ADJUSTED	EACH	16
	60300205	FRAMES AND GRATES TO BE ADJUSTED (SPECIAL)	EACH	2
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1300
	67100100	MOBILIZATION	L SUM	
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	640
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	280
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	11270
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1400
*	78000600	THERMOPLASTIC PAVEMENT MARKING — LINE 12"	FOOT	190
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	140
*	88600100	DETECTOR LOOP, TYPE 1	FOOT	150
	X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1000
	X7200400	WORK ZONE PUBLIC INFORMATION SIGNS	EACH	2
	XX003168	WORK ZONE PAVEMENT MARKING REMOVAL, SPECIAL	FOOT	640
	XX006948	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	530

* - INDICATES SPECIALTY ITEMS

F. A. U. SECTION				TOTAL SHEETS	SHEET NO	
1629	07-00220-00-	-RS	COOK	20	02	
STA.		T	O STA.			
FED. R	IOAD DIST. NO.	ILLINOIS	FED. AID PR	DVECT		

CONTRACT #83934

GENERAL NOTES:

- 1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
- 2. UTILITIES INDICATED ON THE PLANS ARE PROVIDED FOR THE CONTRACTORS USE AND ARE BASED UPON INFORMATION AVAILABLE AT THE TIME OF THE ADVERTISEMENT FOR BIDS. THE OWNER AND ENGINEER DO NOT GUARANTEE THE ACCURACY OF UTILITIES INFORMATION.
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 4. SCHEDULES INCLUDED IN THE PLANS HAVE BEEN PREPARED FROM FIELD NOTES. EXACT LOCATIONS FOR PATCHING SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- ANY REFEREENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- 6. THE NOMINAL THICKNESS OF BITUMINOUS MIXTURE STATED IN THE SPECIFICATIONS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARTITES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS SURFACE IS PLACED.

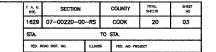
ILLINOIS DEPARTMENT OF TRANSPORTATION

REVISIONS
VOLLMER ROAD
STREET RESURFACING
SUMMARY OF QUANTITIES
AND GENERAL NOTES

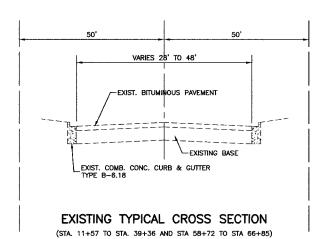
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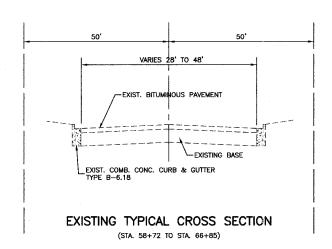
DRAWN BY RG CHECKED BY JMN SECTION 8, TOWNSHIP 35, RANGE 14

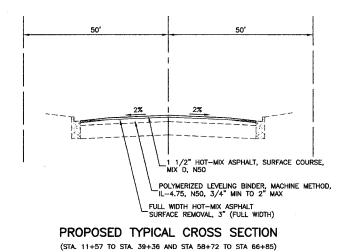
SECTION 17, TOWNSHIP 35, RANGE 14

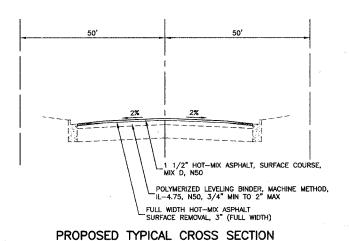


CONTRACT #83934









(STA. 58+72 TO STA. 66+85)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

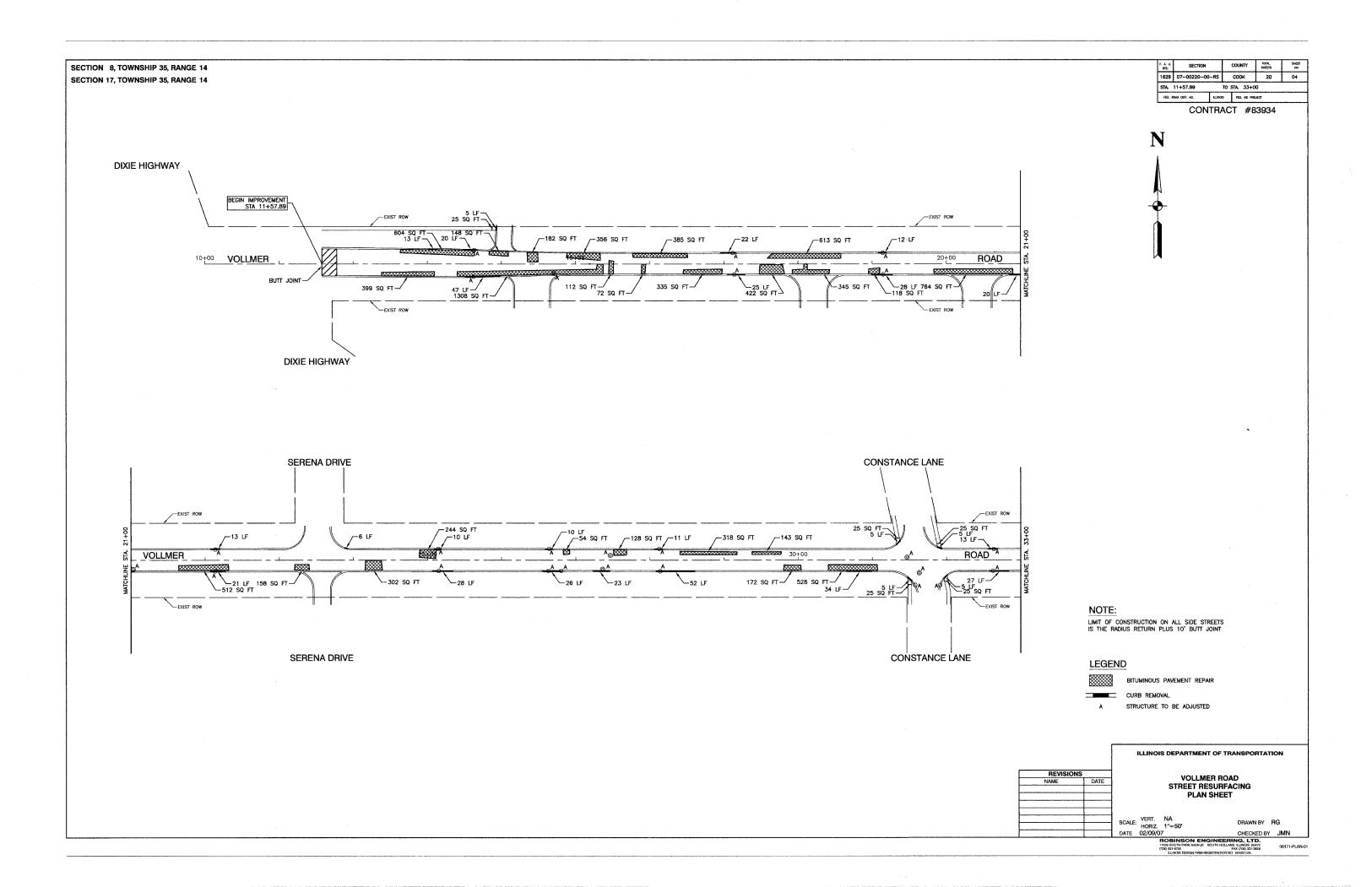
ITEM	AC TYPE	VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX	PG 64-22	4% @ 50 GYR
D, N50 (IL-9.5 mm), 1 ½"		
POLYMERIZED LEVELING BINDER (MACHINE	SBS/SBR PG 76-28/-22	4% @ 50 GYR
METHOD), IL-4.75 N50 (IL-19 mm), ¾" min to		
2" max		
DRIVEWAYS		
OT-MIX ASPHALT SURFACE COURSE, MIX	PG 64-22	4% @ 50 GYR
O, N50 (IL-9.5 mm), 2"		
OT-MIX ASPHALT BASE COURSE, (HMA	PG 64-22	4% @ 50 GYR
Binder IL-19mm), PE-6*, CE-8*		
PATCHING		
CLASS D PATCHES, TYPE I, II, III, 7"	PG 64-22/58-22	4% @70 GYR
HMA BINDER IL-19 mm)	TO A THE COMMENTS OF THE STATE	The state of the same of the state of the st
NOTE:		

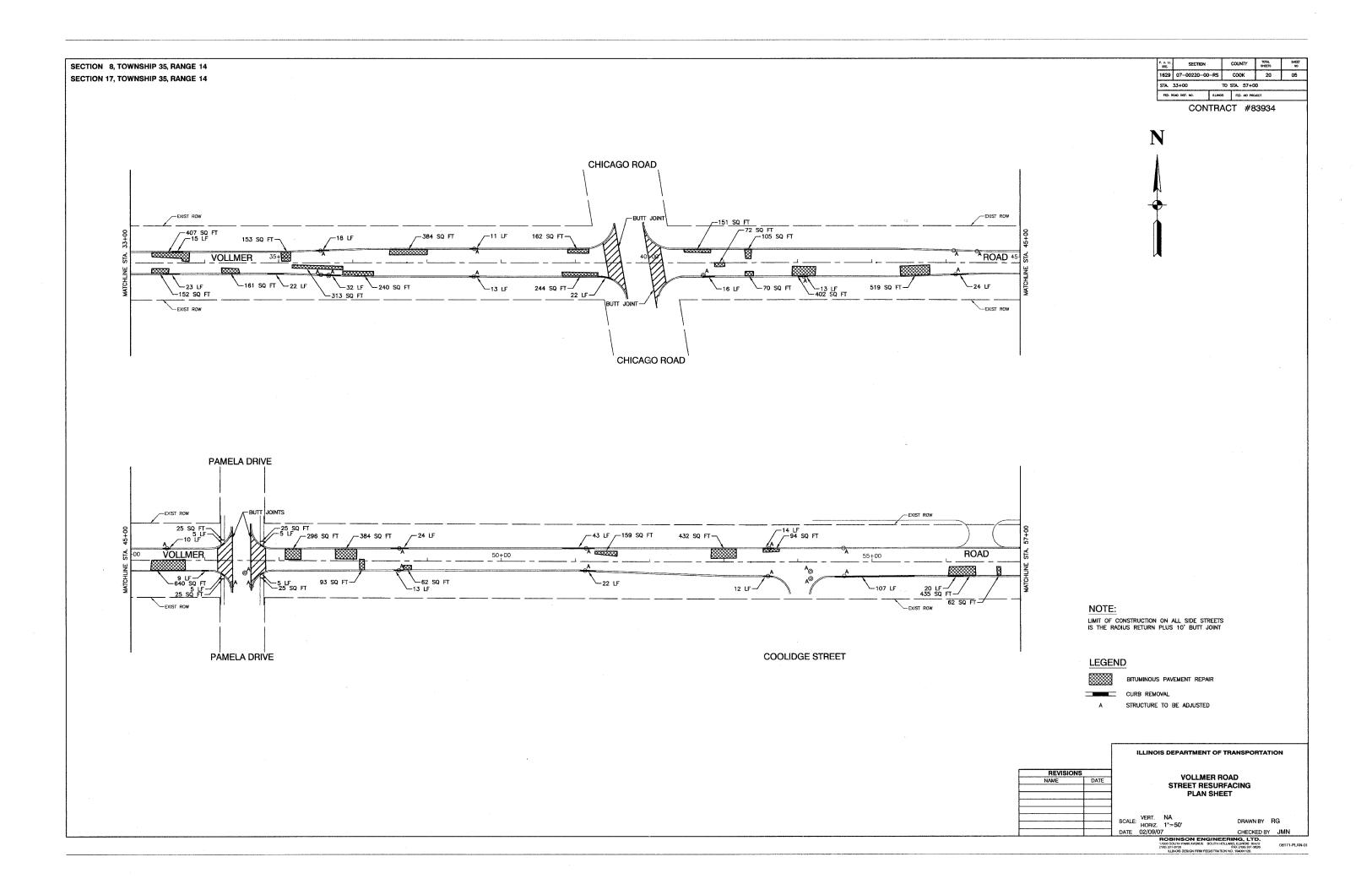
- 1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
- 2. WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

REVISIONS
NAME DATE
STREET RESURFACING
TYPICAL CROSS SECTIONS

SCALE: VERT. NA DRAWN BY RG
HORIZ NA DATE DATE DATE 02/09/07 CHECKED BY JMN

17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473 (708) 331-6700 FAX (708) 331-3826 ILLINOIS DESIGN FIRM REGISTRATION NO. 184001129.





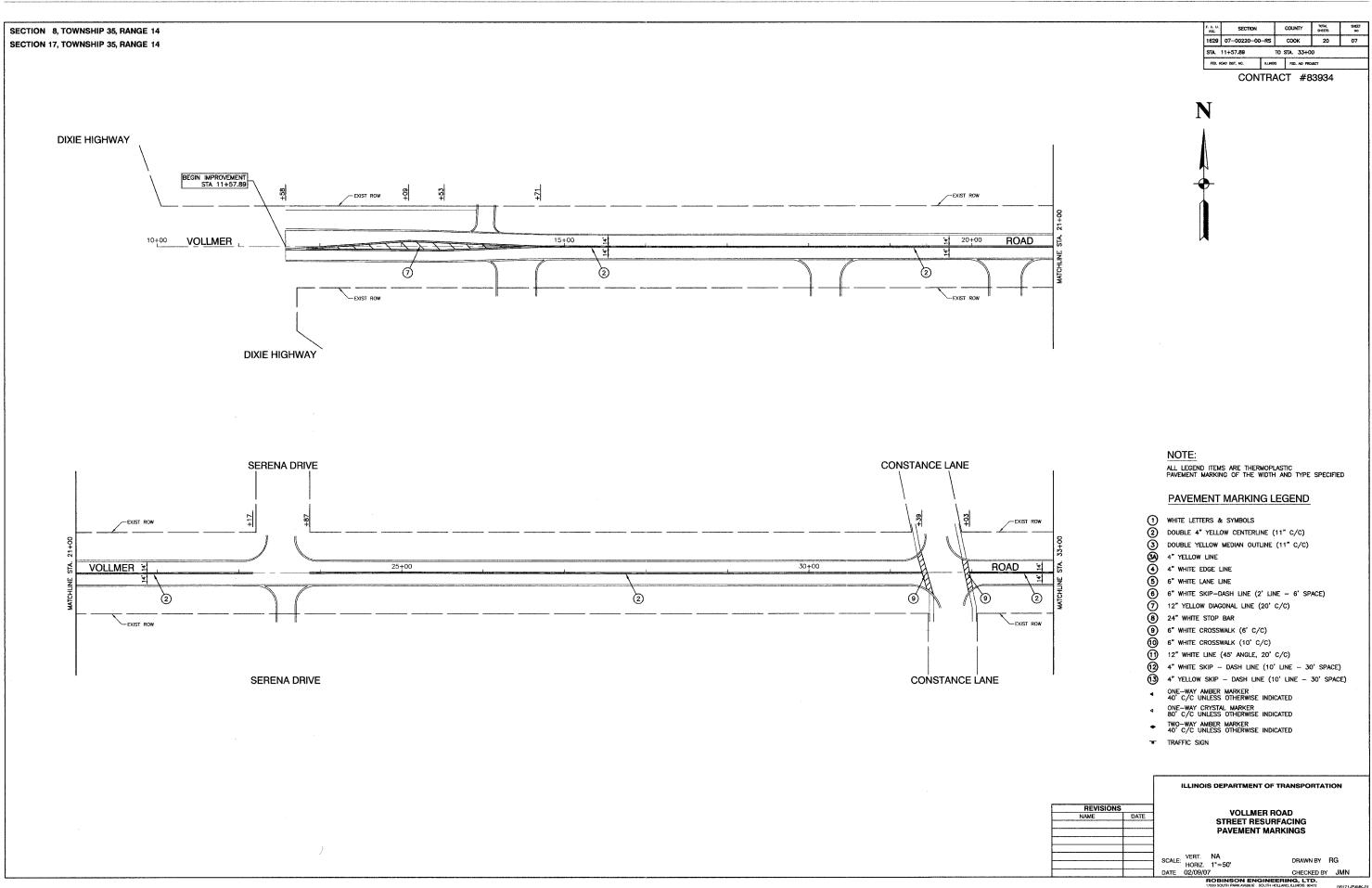
| F. A. II. | SECTION | COUNTY | SHEET SECTION 8, TOWNSHIP 35, RANGE 14 SECTION 17, TOWNSHIP 35, RANGE 14 FED. ROAD DIST. NO. KLINOIS FED. AND PROJECT CONTRACT #83934 HALSTED STREET -60 SQ FT -12 LF -113 SQ FT 44 LF _ 5' x 5' DETECTOR LOOP ∕-13 LF -BUTT JOINT ROAD VOLLMER 60+00 5' x 5' DETECTOR LOOP-5' x 5' DETECTOR LOOP-HALSTED STREET NOTE: LIMIT OF CONSTRUCTION ON ALL SIDE STREETS IS THE RADIUS RETURN PLUS 10' BUTT JOINT LEGEND BITUMINOUS PAVEMENT REPAIR CURB REMOVAL A STRUCTURE TO BE ADJUSTED ILLINOIS DEPARTMENT OF TRANSPORTATION VOLLMER ROAD STREET RESURFACING PLAN SHEET SCALE: VERT. NA HORIZ. 1"=50' DATE 02/09/07 CHECKED BY JMN

 ROBINSON ENGINEERING, LTD.

 17000 80UTH PARK AVENUE
 SOUTH HOLLAND, ILLINOIS 60473

 (708) 331-6700
 FAX (708) 331-6826

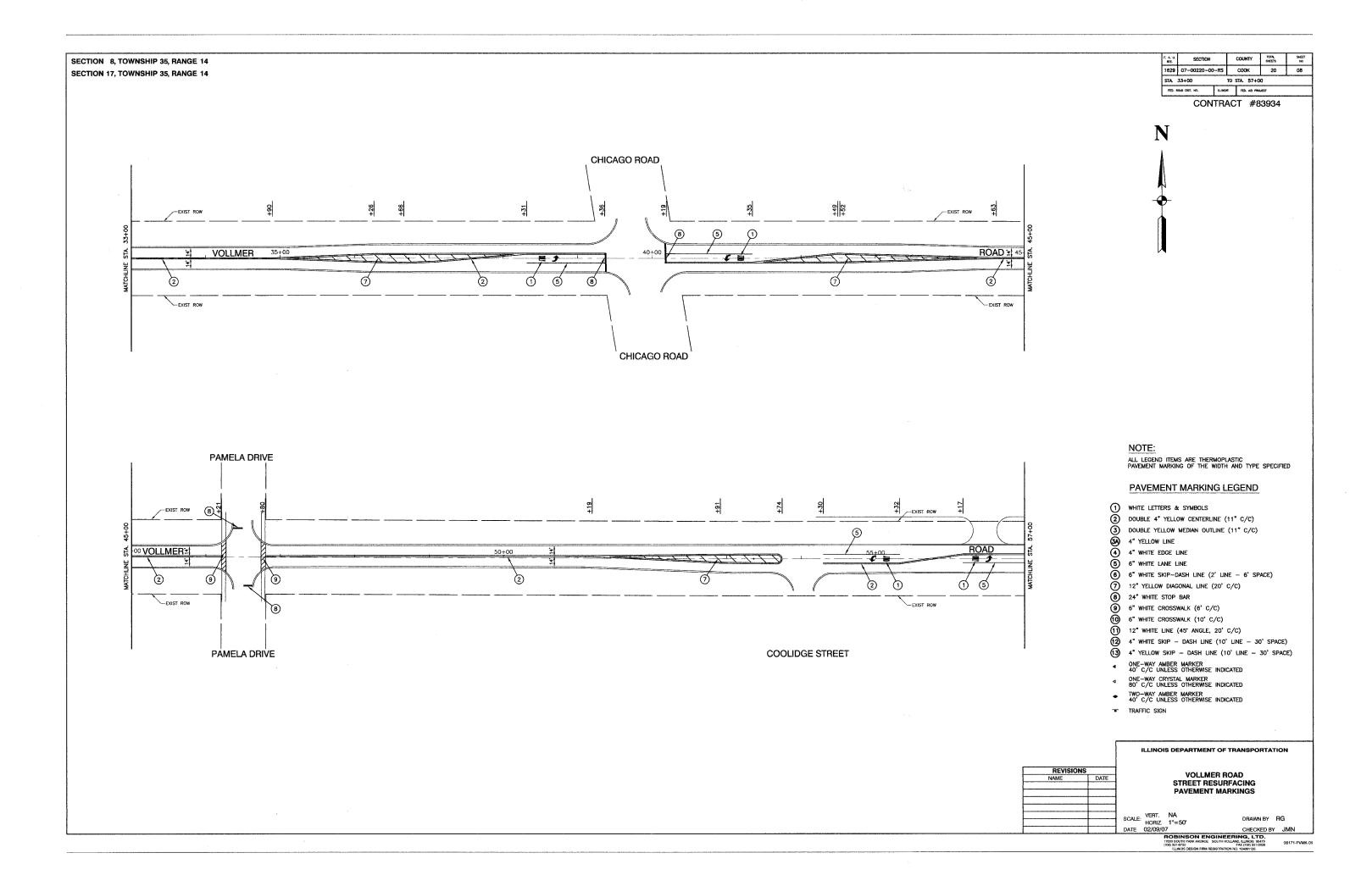
 ILLINOIS DESIGN FIRM REGISTRATION NO. 184/09128.



ROBINSON ENGINEERING, LTD.

17000 SCUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
(708) 381 6700 FAX. (708) 381 8826

ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128.



SECTION 8, TOWNSHIP 35, RANGE 14 SECTION 17, TOWNSHIP 35, RANGE 14 HALSTED STREET +23 2 ROAD / VOLLMER EXIST ROW HALSTED STREET FED. ROAD DIST. NO. LLUNCHS FED. AND PROJECT

CONTRACT #83934



NOTE:

ALL LEGEND ITEMS ARE THERMOPLASTIC PAVEMENT MARKING OF THE WIDTH AND TYPE SPECIFIED

PAVEMENT MARKING LEGEND

- 1 WHITE LETTERS & SYMBOLS
- 2 DOUBLE 4" YELLOW CENTERLINE (11" C/C)
- 3 DOUBLE YELLOW MEDIAN OUTLINE (11" C/C)
- 3A 4" YELLOW LINE
 4" WHITE EDGE LINE
- 5 6" WHITE LANE LINE
- 6 6" WHITE SKIP-DASH LINE (2' LINE 6' SPACE)
- 7 12" YELLOW DIAGONAL LINE (20' C/C)
- 8 24" WHITE STOP BAR
- 9 6" WHITE CROSSWALK (6' C/C)
- 6" WHITE CROSSWALK (10' C/C)
- 12" WHITE LINE (45' ANGLE, 20' C/C)
- 4" WHITE SKIP DASH LINE (10' LINE 30' SPACE)
- (13) 4" YELLOW SKIP DASH LINE (10' LINE 30' SPACE)
- ONE-WAY AMBER MARKER
 40' C/C UNLESS OTHERWISE INDICATED
- ONE-WAY CRYSTAL MARKER
 80' C/C UNLESS OTHERWISE INDICATED
- TWO-WAY AMBER MARKER
 40' C/C UNLESS OTHERWISE INDICATED
- TRAFFIC SIGN

ILLINOIS DEPARTMENT OF TRANSPORTATION

REVISIONS NAME VOLLMER ROAD STREET RESURFACING PAVEMENT MARKINGS

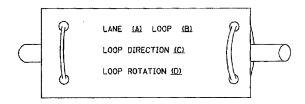
SCALE: VERT. NA HORIZ. 1"=50' DATE 02/09/07

CHECKED BY JMN

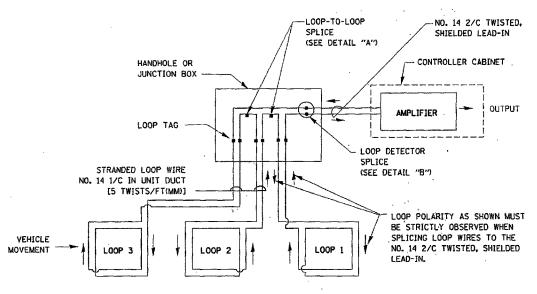
LOOP DETECTOR NOTES

- 1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER.
 ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT
 FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE
 DETECTION.
- 3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- 4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- 5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- 6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- 7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

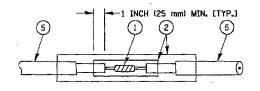


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

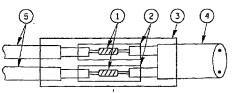


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE.
 THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- . LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



DETAIL "A" LOOP-TO-LOOP SPLICE

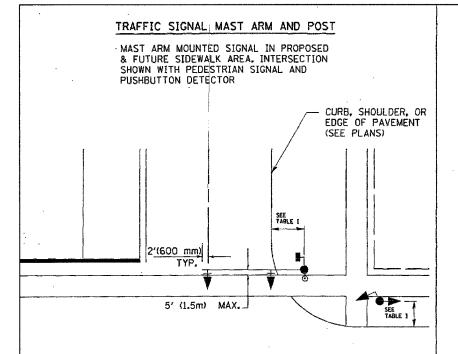


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

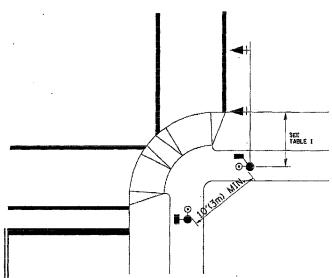
LOOP DETECTOR SPLICE

- WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- (2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- (3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
- 4) NO. 14 2/C TWISTED, SHIELDED CABLE.
- (5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

REVISIONS		ILLINOIS DEPARTME	UT OF TRANS	OCTATION
NAME	DATE	ILLINOIS DEPARTME	VI OF IRANS	OKTATION
		DISTR	ICT ONE	
	-	STANDARD T	RAFFIC S	IGNAL
		DESIGN	DETAILS	
		VERT.	DRA	WN BY: RWP
		CALE: VERT. NONE	DES CHE	IGNED BY: DAD CKED BY: DAZ



PEDESTRIAN SIGNAL PUSHBUTTON



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

NOTES:

P. A. U. RPE.	SECTION		SECTION COUNTY		SHEET NO
1629	07-00220-00-RS		соок	20	11
STA.		Т	O STA.		
FED. ROAD DIST. NO. ILLING		ILLINGIS	FED. AIC PR	DJECT	

CONTRACT #83934

1. AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION. EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.

AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON, PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.

PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:

- A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.
- B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.
- C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCO FIGURE 4E-2).
- E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK
- 2. PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2,4m) NOR MORE THAN 10 FT (3,0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.
- 3. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.
- 4. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

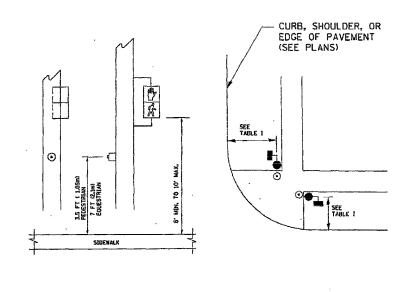


TABLE I

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	: 6 FT (1,8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	. SEE NOTE 1	SEE NOTE 1

REVISIONS
NAME DATE

DISTRICT 1

STANDARD TRAFFIC SIGNAL

DESIGN DETAILS

SCALE, VERT. NONE DESIGNED BY: OAC CHECKED BY: DATE 1-01-02

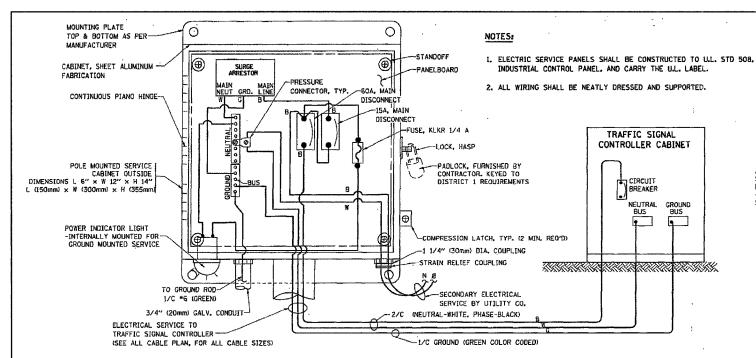
DATE 1-01-02

REVISIONS

DISTRICT 1

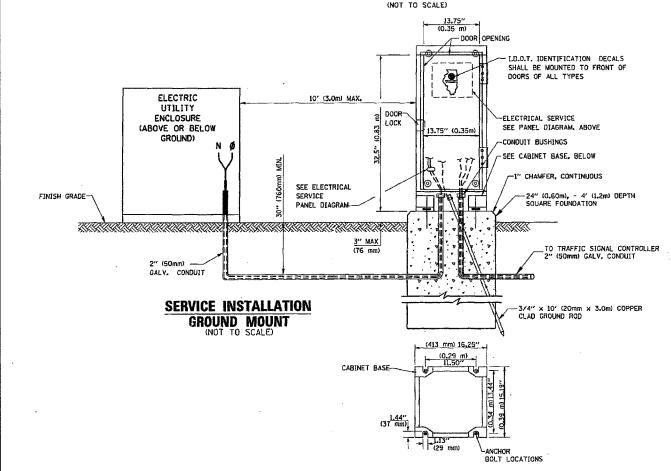
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DESIGNED BY: OAC CHECKED BY: OAC CHECKED BY: DAZ
SHEET 2 OF 4

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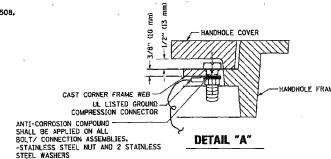


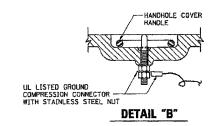
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

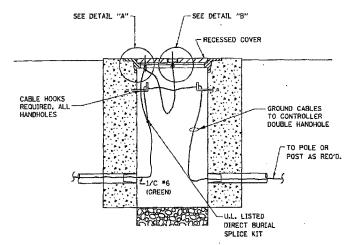
SERVICE INSTALLATION POLE MOUNT (SHOWN)



CABINET - BASE BOLT PATTERN
ONOT TO SCALED







HANDHOLE COVER & FRAME - GROUNDING DETAIL

INOT TO SCALE

(2) 1/2" × 1 1/4" STAINLESS STEEL BOLT WITH SPLIT LOCK
WASHER AND NYLON INSERT LOCKOUT WELDED TO
FRAME AND TO COVER. (TYPICAL)

HEAVY DUTY COPPER COMPRESSION
GROUNDING TERMINAL. (TYPICAL)

EXISTING HANDHOLE
FRAME AND COVER (PAID FOR SEPARATELY)

EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL

(NOT TO SCALE)

NOTES:

GROUNDING SYSTEM

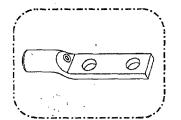
F. A. U. SECTION COUNTY TOTAL SHEETS NO 1629 07-00220-00-RS COOK 20 12

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FED. RONG DIST. NO. ILLINGS FED. AD PROJECT

CONTRACT #83934

- 1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR
 TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN
 RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED
 IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED.
 ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE
 (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE
 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD
 SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS,
 CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION
 AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS
 SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT
 ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC,
 ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT
 (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- 4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS
 BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



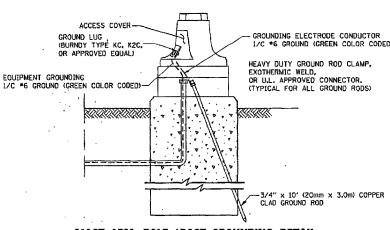
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



3/4" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EUAL)

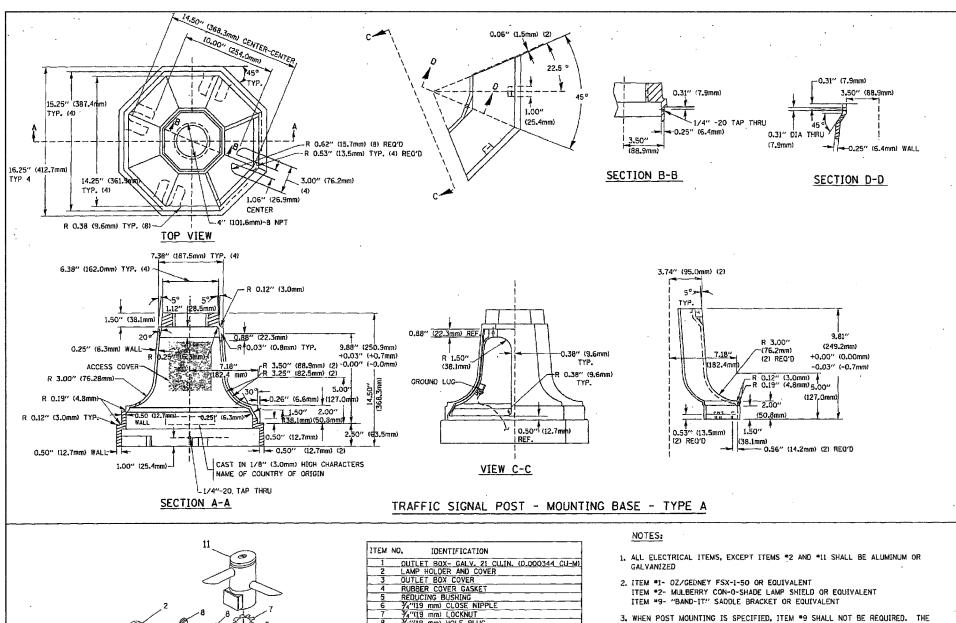
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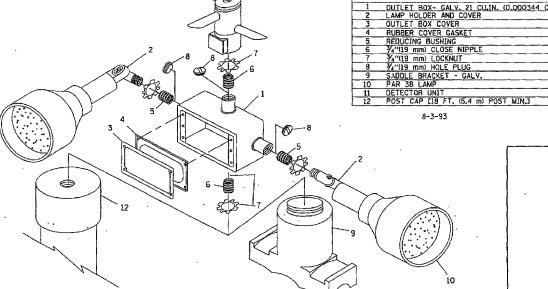
ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES.
 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



MAST ARM POLE / POST-GROUNDING DETAIL

1.	REVISIONS		THE TWO IS DEPARTMENT	F OF TRANSPORTATION
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ŀ			DATE 1-01-02	CHECKED BY: DAZ SHEET 3 OF 4

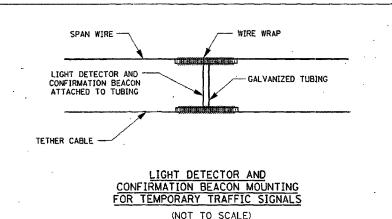


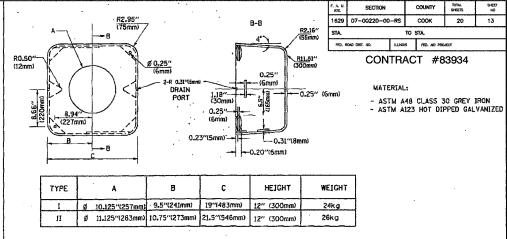


MAST ARM MOUNT

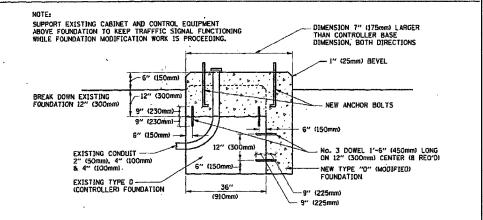
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

3. WHEN POST MOUNTING IS SPECIFIED, ITEM *9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4"(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



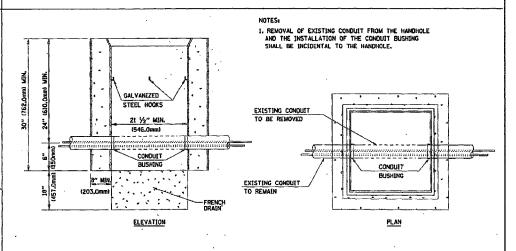


SHROUD DETAIL



MODIFY EXISTING TYPE "D" FOUNDATION

(NOT TO SCALE)



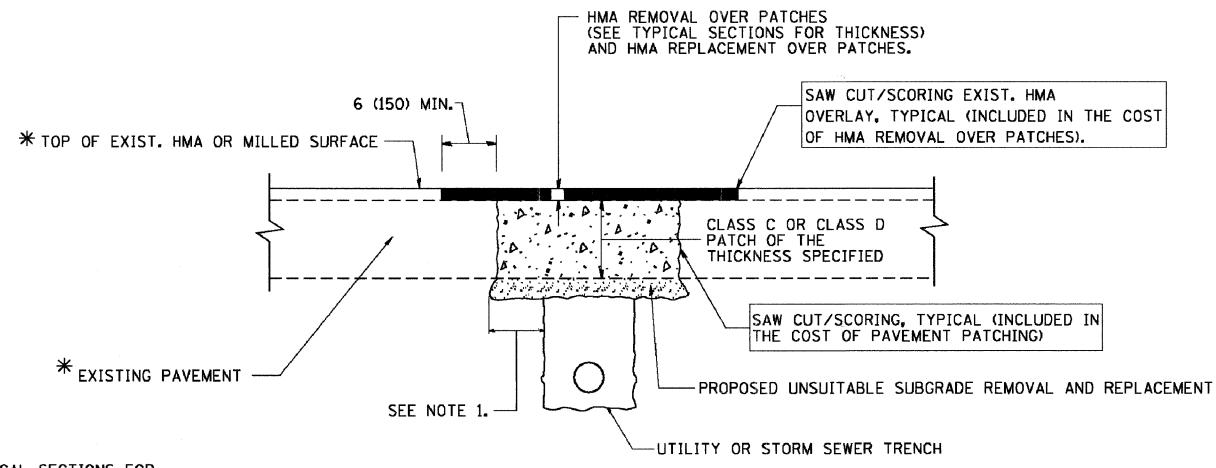
DETAIL
HANDHOLE TO INTERCEPT EXISTING CONDUIT
N.T.S.

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POST CAP MOUNT

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CONTRACT #83934



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

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

- 1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
- 2. REMOVE AND REPLACE FULL DEPTH PATCHES
- 3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

ALL DIMENSIONS ARE IN INCHES DULLIMETERS) UNLESS OTHERWISE SHOWN.

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

BD400-04 (BD-22)

REVISION DATE: 01/01/07

PROP. PAY LIMIT OF HMA SURF. REMOVAL FULL THICKNESS OF MILLING (NOTE "C") (NOTE "E") PROP, HMA SURFACE REMOVAL-EXIST. PAVEMENT MILLED TEMPORARY RAMP (FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW) OPTION 1 PROP. PAY LIMIT OF HMA SURF, REMOVAL FULL THICKNESS OF MILLING SAW CUT (INCLUDED IN THE COST TEMP. RAM PROP. HMA SURFACE REMOVAL REMOVAL - BUTT JOINT) (NOTE "E") 13/4 (45) FOR E AND F MIX 4'-6" (1.35 m) PAY LIMIT FOR BUTT JOINT 11/2 (40) FOR C AND D MIX (NOTE "D") (NOTE "F") EXIST. HMA SURF. EXIST. PAVEMENT TEMP, HMA RAMP HMA CONSTRUCTED TEMPORARY RAMP (FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW) OPTION 2 TYPICAL TEMPORARY RAMP HMA TAPER LENGTH *** SAW CUT (INCLUDED IN THE COST OF HMA SURFACE PROP. HMA SURF. CRSE. REMOVAL - BUTT JOINT) 4'-6" (1.35 m) PROP. HMA BINDER CRSE. VARIES $1\frac{3}{4}$ (45) FOR E AND F MIX PAY LIMIT FOR BUTT JOINT (NOTE "D") 11/2 (40) FOR C AND D MIX EXIST. HMA EXIST. PAVEMENT HMA SURF. REMOVAL - BUTT JOINT BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER

FOR MILLING AND RESURFACING

SECTION COUNTY TOTAL SHEETS 1629 07-00220-00-RS COOK 20 15 FED. ROAD DIST. NO. ILLINOIS FED. AND PROJECT CONTRACT #83934 PROP. HMA OR PCC SURFACE REMOVAL - BUTT JOINT 30'~0" (9.0 m) (NOTE "A") SAW CUT (INCLUDED IN THE COST OF HMA OR P.C.C. SURFACE REMOVAL EXIST. HMA OR PCC SURFACE 15'-0" (4.5 m) (NOTE "B") - BUTT JOINT) (NOTE "D") 13/4 (45) FOR E AND F MIX $1\frac{1}{2}$ (40) FOR C AND D MIX * * EXIST. PAVEMENT BUTT JOINT DETAIL TAPER LENGTH * * * VARIES PROP. HMA SURF, CRSE. _1¾ (45) FOR E AND F MIX PROP. HMA BINDER CRSE. 11/2 (40) FOR C AND D MIX * * EXIST. PAVEMEN HMA TAPER DETAIL TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

NOTES

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

- 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")

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

BASIS OF PAYMENT:

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

1/511310113		
NAME	DATE	
M. DE YONG	6-13-90	
M. DE YONG	7-3-90	
M. DE YONG	3-27-92	
R. SHAH	09/09/94	
R. SHAH	10/25/94	
A. ABBAS	03/21/97	
M. GOMEZ	04/06/01	
R. BORO	01/01/07	sc
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ILLINOIS DEPARTMENT OF TRANSPORTATION BUTT JOINT AND HMA TAPER

DETAILS

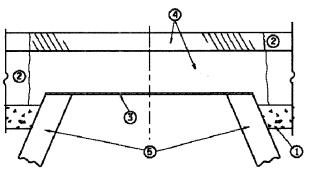
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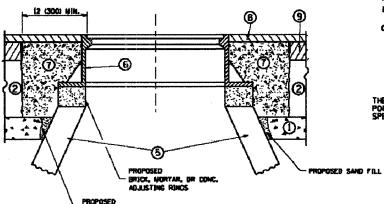
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BD400-05 (VI=BD32)
REVISION DATE:01/01/07

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CONTRACT #83934





SAND FILL

EXISTING BROKEN FRAMES AND LEDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE BYGINEER, REPLACEDENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS. UNLESS A SEPARATE PAY ITEN HAS BEEN PROVIDED.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

WHEN STRUCTURES ARE TO BE AGAINSTED OR RECONSTRUCTED.
THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL
OUT OF THE CORRESPONDING PAY TIEM.

HOTES

CONSTRUCTION PROCEDURES

STAGE 1 BEFORE PAVENENT WILLINGS

- AS REMOVE A MINIMUM OF 12 (300) OF THE PAYEMENT FROM AROUND THE STRUCTURE.
- BI REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER NETAL PLATE.
- DO BACKFELL WITH CRUSHED STONE AND A MINIMUM 15, 6400 THICK HIMA SURFACE MIX APPROVED BY THE ENGINEER.

STACE 2 (AFTER PAVENENT WILLING)

- A) REMOVE THE HIMA SURFACE WIX AND CRUSHED STONE. B) INSTALL THE FRAME AND LIDE ADJUST THE FRAME TO ITS FINAL SUFFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE, OR HAM SURFACE COURSE OR HAM BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

LEGEND

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

SUB-BASE CRANULAR

- 6 FRAME AND LED ISEE NOTESI
- 2 EXISTING PAVENENT
- CLASS SI CONCRETE, HAMA SUFFACE COURSE OR HAMA BINDER COURSE
- 3 36 (900) DIAMETER METAL PLATE PROPOSED CRUSHED STONE AND HIMA SURFACE WIX
- (5) EXISTING STRUCTURE
- TROPOSED HWA BINDER COURSE

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURNED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVENENT. LIPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL" NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT

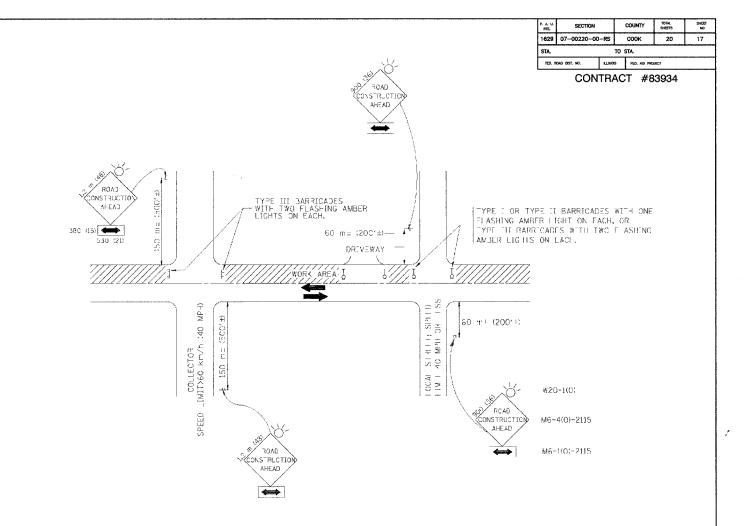
WITH MILLING

ALL DIMENSIONS ARE IN INCHES WILLIMETERS) UNLESS OTHERWISE SHOWN ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: VERT. NOME HORIZ. PLOT DATE: 1/19/2007

CHECKED BY BD600-03 (BD-8) REVISION DATE: 01/01/07



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

NO ES:

- A. FOR NO LAND RESTRECTION ON THE SIDE ROAD OR DREVEWAYS
- 1, SIDE ROAD WITH A SPEED LIMIT OF GO KM/MY (40 MPH) OR LESS AS SHOWN ON THE DYAWING AND AS DIRECTED BY THE ENGINEER:
- c) one **road construction ahead** sign 300x300 (35x36) WITH A FLASHER AND FLAS MCUNTED 3N IF APPROXIMATELY 60 m (200°) IN ADVANCE OF THE WAIN 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 SHOUNDED FOR ON.
- 2. SIDE ROAD WITH A SHEDITM FICHEATER. HAN 60 KMZh (40 MPE) AS SHOWN ON THE DRAWING AND AS DIRECTED BY HE ENDINGERS
- C) ON- ROAD CONSTRUCTION AHEAD SIGN 12 m x 1.2 m (/9x/8) WILL A FLASHER VOLUMIES ON APPROXIMATE Y 150 m (500) IN ADVANCE OF SEVEN NORTH.
- b) FE CLOSED PORTION OF THE MAIN ROUTE SHAIL BE PROTECTED BY B OCKING WITH TYPE IT BARRICABES, 177 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3, WHEN HE SIDE ROAD LIES BE WEEN THE BEGINNING OF THE MAINLINE STONING AND THE WORK FONE, A STNG E HEADED ARROW (M6-1) SHALL BE USED IN LIE. OF THE DOUBLE HEADED ARROW (M6-4).

- 6. 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 ENSINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANG GLOSUPE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS CTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OF ITEMS.

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1.7	09/08/94	T. RAMMACHER
	10/18/95	J. 03ER_E
	03/06/96	A. HCJSEH
21	10/15/96	A. HCJSEH
	01/06/00	T. RAMMACHER
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THINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC CONTROL AND PROTECTION

FOR

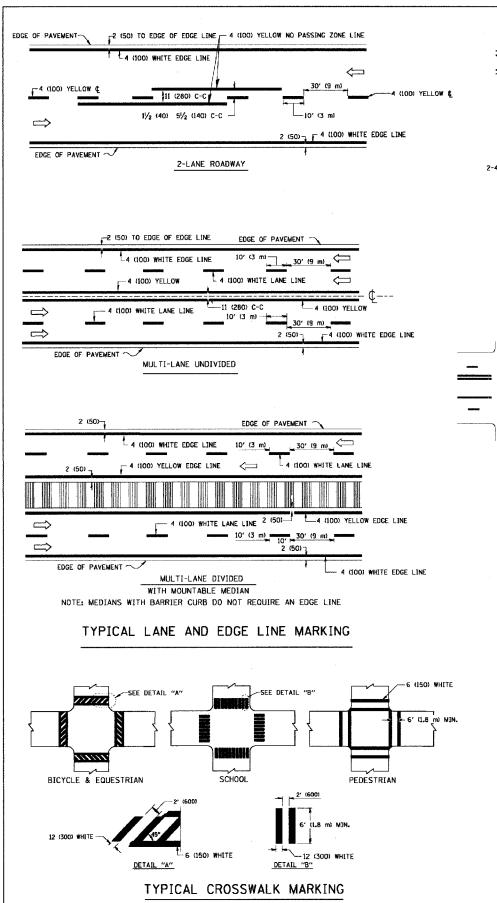
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SIDE ROADS, INTERSECTIONS, AND

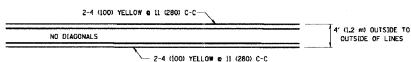
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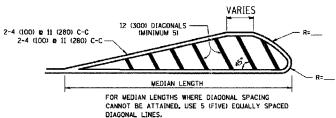
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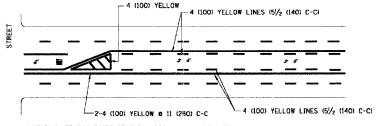


4' (1,2 m) WIDE MEDIANS ONLY

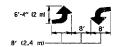


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

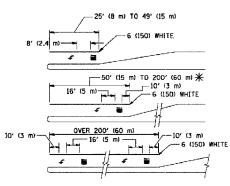


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



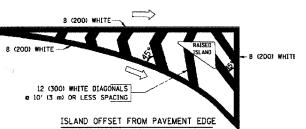
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.

1 AREA = 15.6 SO. FT. (1.5 m²) (11) AREA = 20.8 SO. 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



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CONTRACT #83934

8 (200) WHITE 2 (50)
RAISED ISLAND
2 (50)
ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

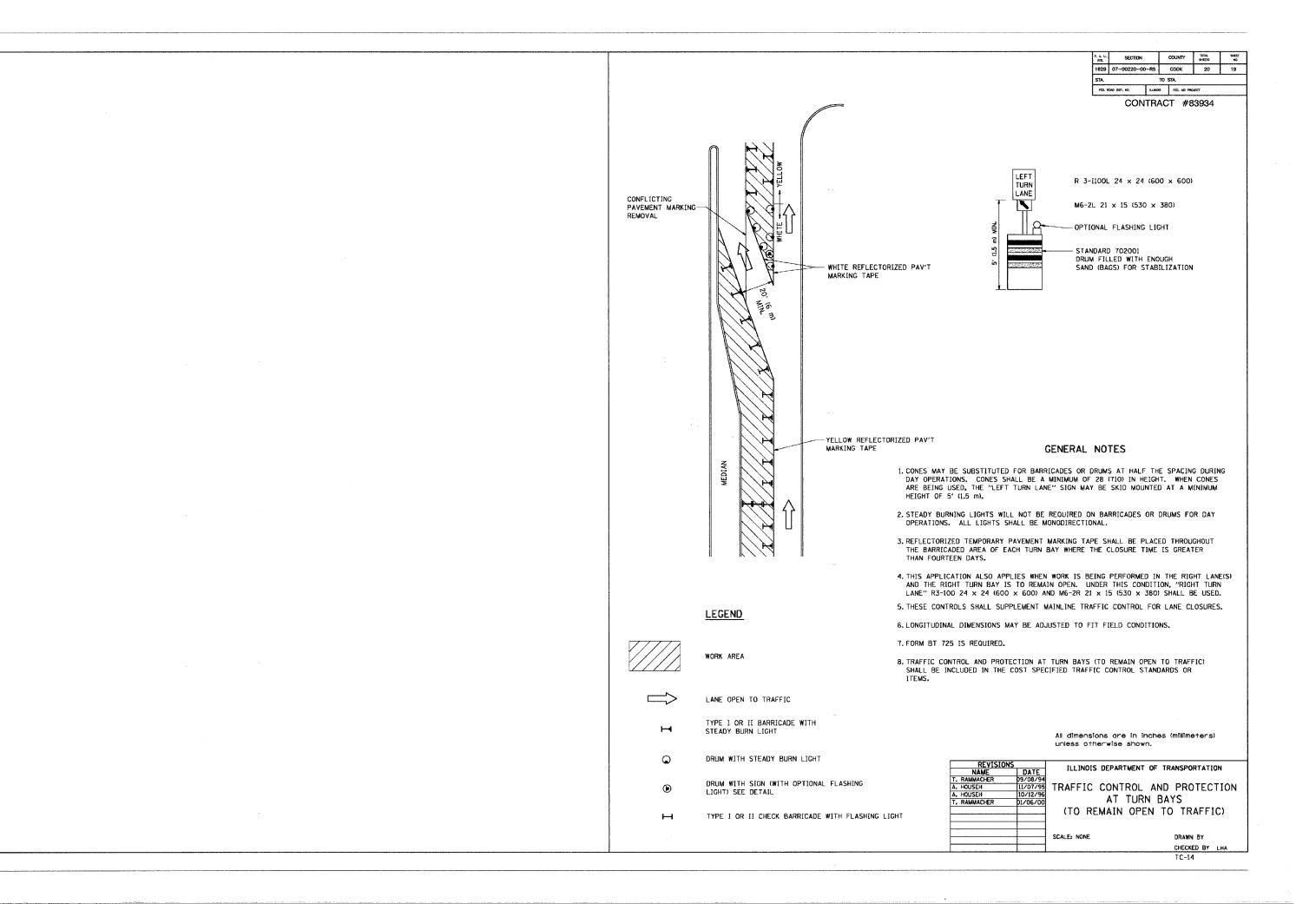
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVEDED PAVEMENT	2 2 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 e 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 1280) 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 WARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE WARKING DETAIL
TWO WAY LEFT TURN MARKING	2 6 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
9	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIACONALS (BIKE & EGUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 e 6 (150) 12 (300) e 45° 12 (300) e 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (GOD) APART 2' (GOD) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSMALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 p 4 (100) WITH 12 (300) DIAGONALS 6 45° NO DIAGONALS USED FOR 4' (1,2 m) WIDE MEDIANS	SOLID	YELLOWS TWO WAY TRAFFIC WHITES 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	DIACONALS: 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 DF: "R"=3.6 SO. FT. (0.33 m²) EACH "X"=54.0 SO. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) a 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))

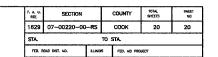
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters)

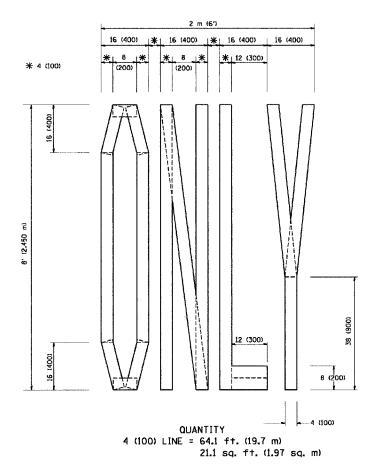
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NAME	DATE	ILLINOIS	DEFANTIMENT O	FIRANSFORTATION
EVERS	03-19-90			
T. RAMMACHER	10-27-94		DISTRICT	ONE
ALEX HOUSEH	10-09-96			
ALEX HOUSEH	10-17-96	T	YPICAL PA	VEMENT
T. RAMMACHER	01-06-00		MARKIN	ce
			MAKKIN	63
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		SCALE: NONE		DRAWN BY CADD
	İ	JUNELA INDING		DRAWN DI CADD
				CHECKED BY

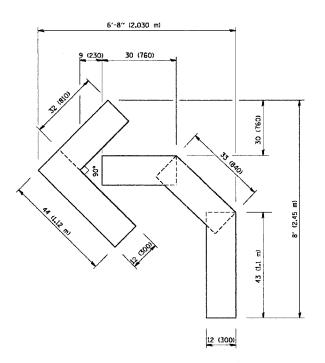
TC-13



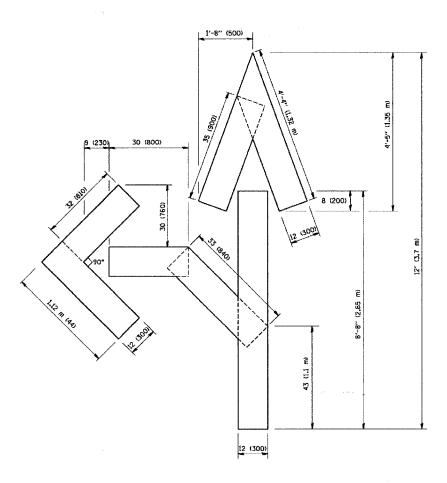


CONTRACT #83934





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



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

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

REVISIO	NS	T
NAME	DATE	11
T. RAMMACHER	09/18/94	
J. OBERLE	06/01/96	
T. RAMMACHER	06/05/96	
T. RAMMACHER	11/04/97	
T. RAMMACHER	03/02/98	
E. GOMEZ	08/28/00	
		SCALE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

DRAWN BY CADD CHECKED BY