

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

FAU 2855 / MARSHFIELD AVENUE
119TH STREET TO 123RD STREET
LOCAL AGENCY PAVEMENT PRESERVATION
STREET RESURFACING
PROJECT: M-8003 (996)
SECTION NO.: 08-00057-00-RS
JOB NO.: C-91-382-08
VILLAGE OF CALUMET PARK
COOK COUNTY

F. A. I. D. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2855	08-00057-00-RS	COOK	11	01
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

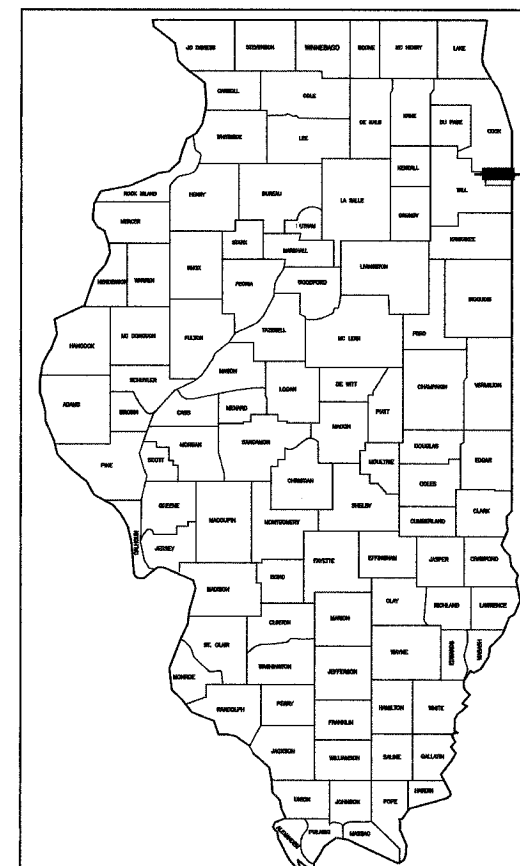
CONTRACT #63043

INDEX OF SHEETS

- COVER SHEET, INDEX OF SHEETS, LOCATION MAP
INDEX OF STATE STANDARDS
- SUMMARY OF QUANTITIES & GENERAL NOTES
- TYPICAL CROSS SECTION
- PAVEMENT PLAN
- STRIPING PLAN
- 6-11 DISTRICT 1 STANDARD DETAILS

STATE STANDARDS

- | | |
|-----------|---|
| 000001-05 | STANDARD STANDARDS, ABBREVIATIONS AND PATTERNS |
| 280001-04 | TEMPORARY EROSION CONTROL SYSTEMS |
| 424001-05 | CURB RAMPS FOR SIDEWALK |
| 442201-03 | CLASS C AND D PATCHES |
| 606001-03 | CONCRETE CURB AND COMBINATION CONCRETE CURB & GUTTER |
| 701501-04 | URBAN LANE CLOSURE 2-L, 2-W, UNDIVIDED |
| 701701-05 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701901 | TRAFFIC CONTROL DEVICES |
| 780001-01 | TYPICAL PAVEMENT MARKINGS |
| 781001-02 | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS |



LOCATION OF SECTION INDICATED THIS: —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED May 7 2008
Joseph D. Baker
MAYOR, VILLAGE OF CALUMET PARK

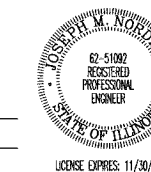
PASSED MAY 22 2008
Christopher Holt
REGION ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR
BID BASED ON
LIMITED REVIEW MAY 22 2008
Diana M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

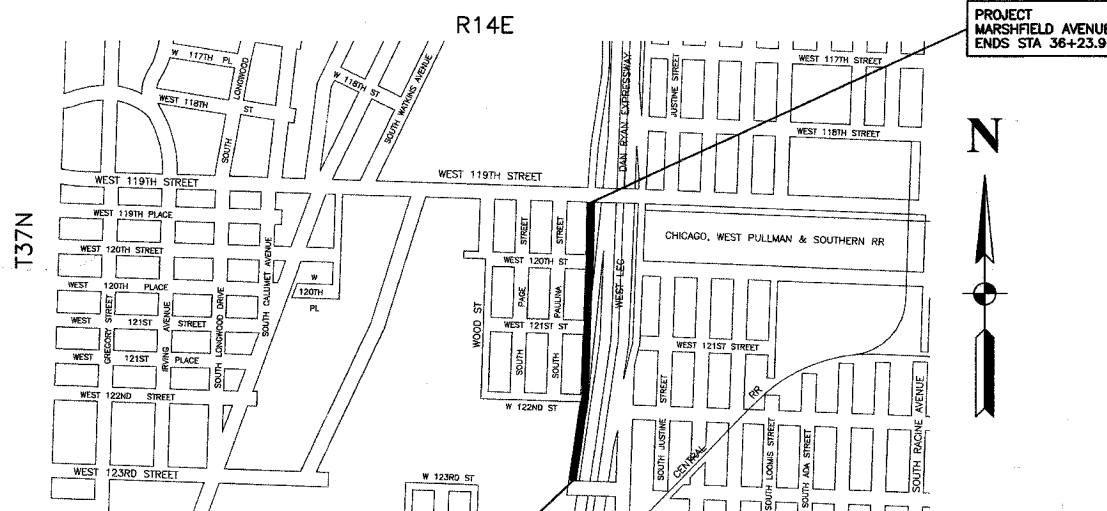
PRINTED BY THE AUTHORITY OF
THE STATE OF ILLINOIS

PREPARED BY OR UNDER THE
DIRECT SUPERVISION OF:

Shirley
5/1/08



DESIGN JOB NO: 07-614

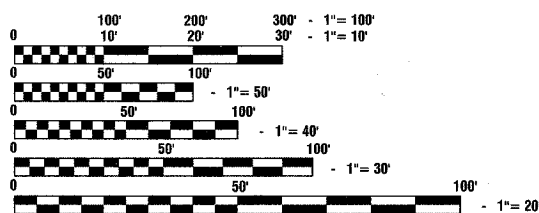


LOCATION MAP

— INDICATES PROPOSED IMPROVEMENT

GROSS LENGTH= 2,546 FEET = 0.48 MILES
NET LENGTH= 2,546 FEET = 0.48 MILES

MARSHFIELD AVENUE ARTERIAL
ADT=13,900 (2007)
= 13,900 (2030)
DESIGN SPEED=30 MPH
SPEED LIMIT= 30 MPH



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

J. U. L. I. E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

CONTRACT NO. 63043

I.D.O.T. FIELD ENGINEER: MELCHOR MANGOBA 847-705-4408
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700
CONTACT ENGINEER: RON SMITH

F. A. D. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2855	08-00057-00-RS	COOK	11	02
STA.		TO STA.		
FED. ROAD DIST. NO.	KLINGSTON	FED. RD. PROJECT		

CONTRACT #63043

S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	PAVEMENT	MARKINGS	SIGNS	LANDSCAPE	LIGHTS	SIGNALS	TRAINING
					CONSTRUCTION TYPE CODE						
					1000	SFTY-1D	Y002-1C	Y003	Y030-1E	Y031	Y080
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	10	10						
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	10	10						
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	10	10						
	25200110	SODDING, SALT TOLERANT	SQ YD	100	100						
	35800200	AGGREGATE BASE REPAIR	TON	200	200						
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	860	860						
	40600300	AGGREGATE (PRIME COAT)	TON	100	100						
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	410	410						
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	780	780						
	40600895	CONSTRUCTION TEST STRIP	EACH	1	1						
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT , 6"	SQ YD	60	60						
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SQ FT	200	200						
	42400800	DETECTABLE WARNINGS	SQ FT	70	70						
	44000161	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	8600	8600						
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	950	950						
	44000600	SIDEWALK REMOVAL	SQ FT	200	200						
	44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	170	170						
	44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	40	40						
	44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	520	520						
	56109210	WATER VALVES TO BE ADJUSTED	EACH	2	2						
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	11	11						
	60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME , OPEN LID	EACH	3	3						
	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1						
	60255500	MANHOLES TO BE ADJUSTED	EACH	10	10						
	60300205	FRAMES AND GRATES TO BE ADJUSTED (SPECIAL)	EACH	2	2						
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	950	950						
	67100100	MOBILIZATION	L SUM	1	1						
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1						
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1						
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1						
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1						
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	620	620						
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	90		90					
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3800		3800					
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	100		100					
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	30		30					
	X0322752	WORK ZONE PAVEMENT MARKING REMOVAL	FOOT	300	300						
	X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	780	780						
	X7200400	WORK ZONE PUBLIC INFORMATION SIGNS	EACH	2	2						
	XX006947	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	50	50						

GENERAL NOTES:

- 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).
- 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.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 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 REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- THE NOMINAL THICKNESS OF HMA MIXTURE STATED IN THE SPECIFICATIONS 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 SURFACE IS PLACED.

* - INDICATES SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

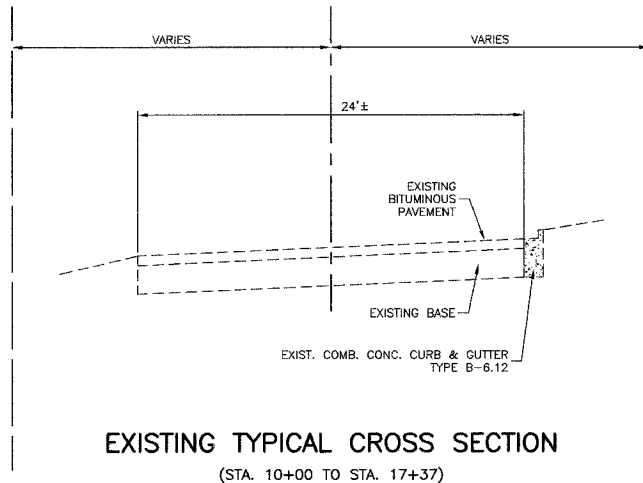
**MARSHFIELD AVENUE
STREET RESURFACING
SUMMARY OF QUANTITIES**

SCALE: VERT. NA
HORIZ. NA
DATE 05/07/08

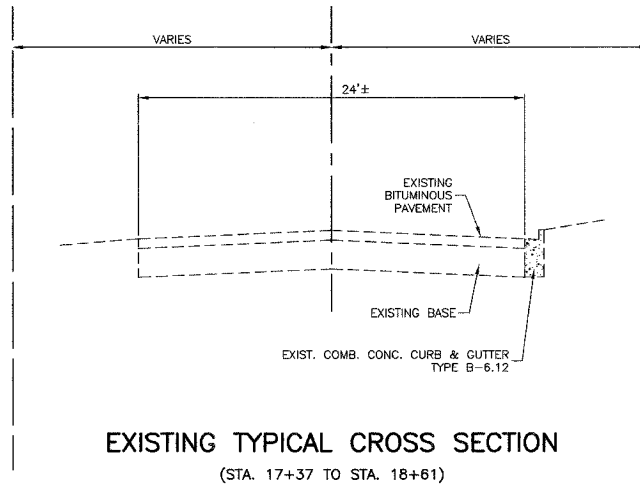
DRAWN BY EDG
CHECKED BY RS

F. A. U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2855	08-00057-00-RS	COOK	11	03
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

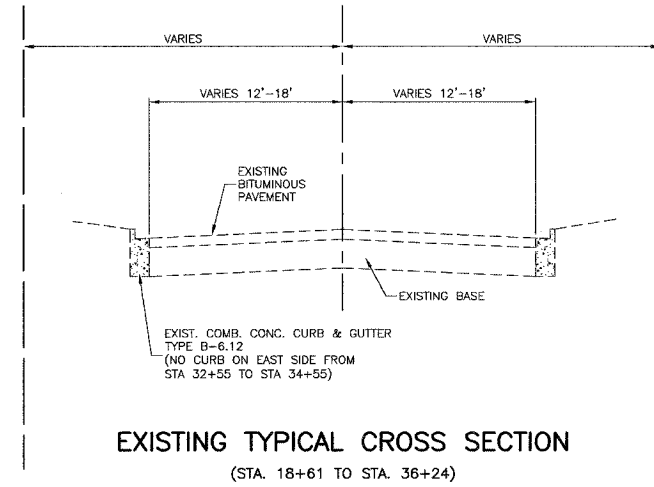
CONTRACT #63043



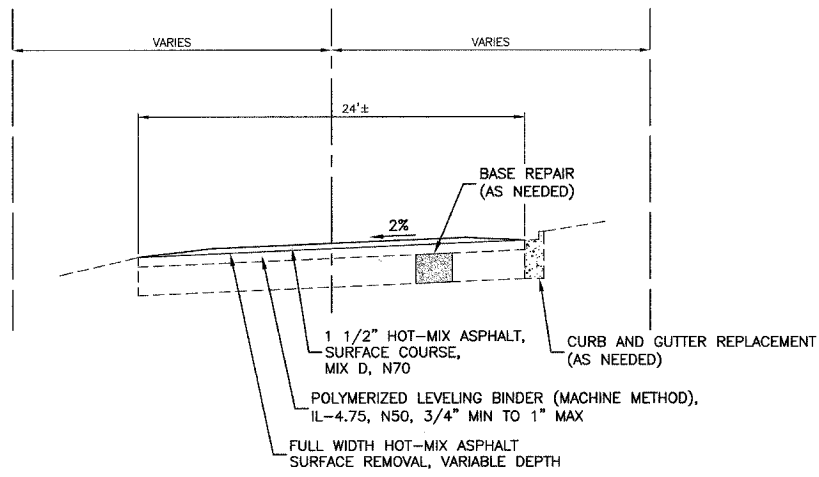
EXISTING TYPICAL CROSS SECTION
(STA. 10+00 TO STA. 17+37)



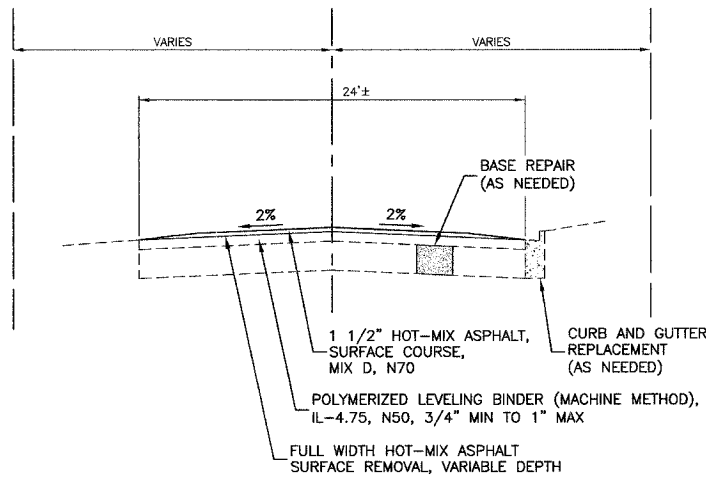
EXISTING TYPICAL CROSS SECTION
(STA. 17+37 TO STA. 18+61)



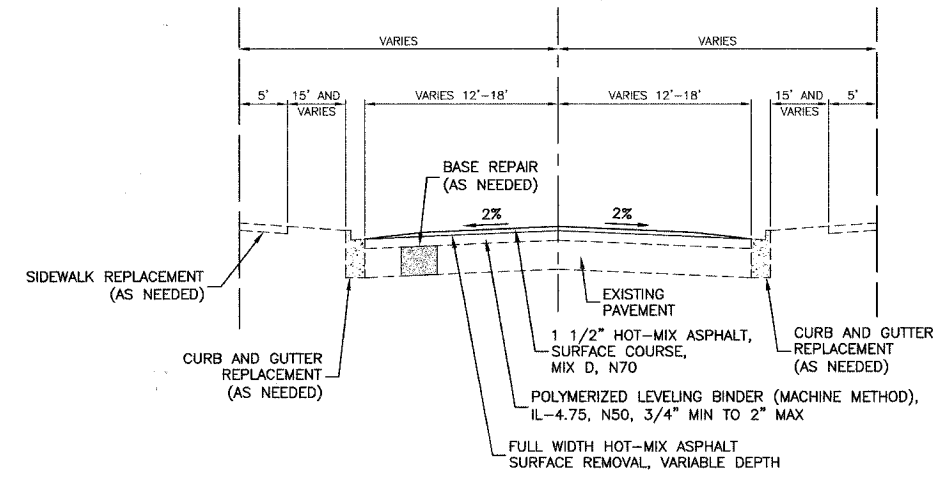
EXISTING TYPICAL CROSS SECTION
(STA. 18+61 TO STA. 36+24)



PROPOSED TYPICAL CROSS SECTION
(STA. 10+00 TO STA. 17+37)



PROPOSED TYPICAL CROSS SECTION
(STA. 17+37 TO STA. 18+61)



PROPOSED TYPICAL CROSS SECTION
(STA. 18+61 TO STA. 36+24)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AC TYPE	VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70 (IL-9.5 mm), 1 1/2"	PG 64-22	4% @ 70 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" min to 2"	SBS/SBR PG 76-28/-22*	4% @ 50 GYR
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50 (IL-9.5 mm), 2"	PG 64-22	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE, (HMA Binder IL-19mm), PE-6", CE-6"	PG 64-22	4% @ 50 GYR
PATCHING		
CLASS D PATCHES, TYPE I, II, III, 8" (HMA BINDER IL-19 mm)	PG 64-22*	4% @ 70 GYR

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

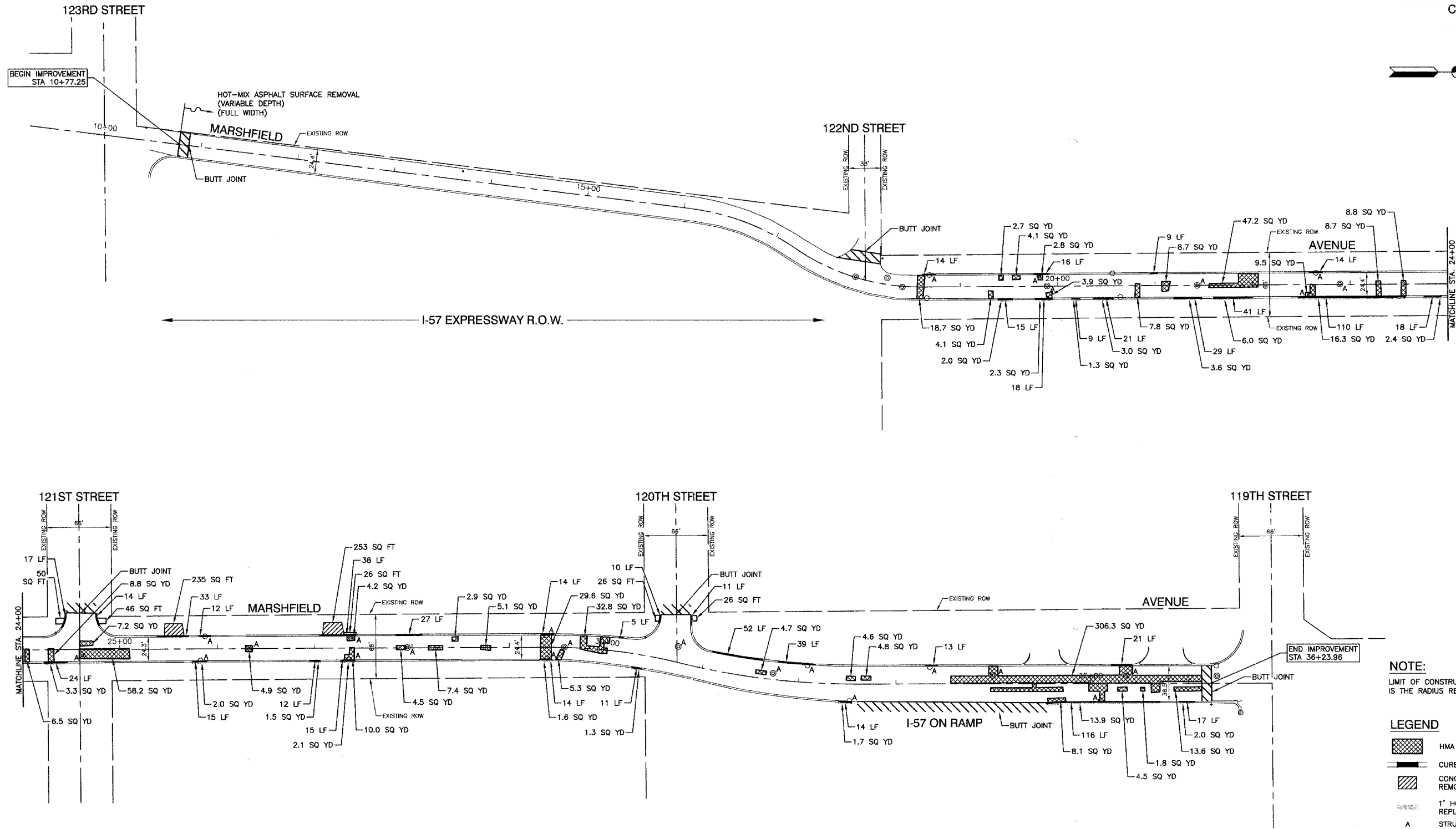
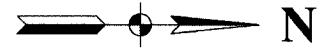
**MARSHFIELD AVENUE
STREET RESURFACING
TYPICAL CROSS SECTIONS**

SCALE: VERT. NA
HORIZ. NA
DATE: 05/07/08

DRAWN BY: EDG
CHECKED BY: RS

F. A. S. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2855	08-00057-00-RS	COOK	11	04
STA. 10+77.25	TO STA. 36+23.96			
FED. ROAD DIST. NO.	BLKNO.	FED. AID PROJECT		

CONTRACT #63043



NOTE:
LIMIT OF CONSTRUCTION ON ALL SIDE STREETS IS THE RADIUS RETURN PLUS 10' BUTT JOINT

LEGEND

	HMA PAVEMENT REPAIR
	CURB REMOVAL
	CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT
	1' HOT MIX ASPHALT REMOVAL AND REPLACEMENT BEHIND CURB AND GUTTER
	STRUCTURE TO BE ADJUSTED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

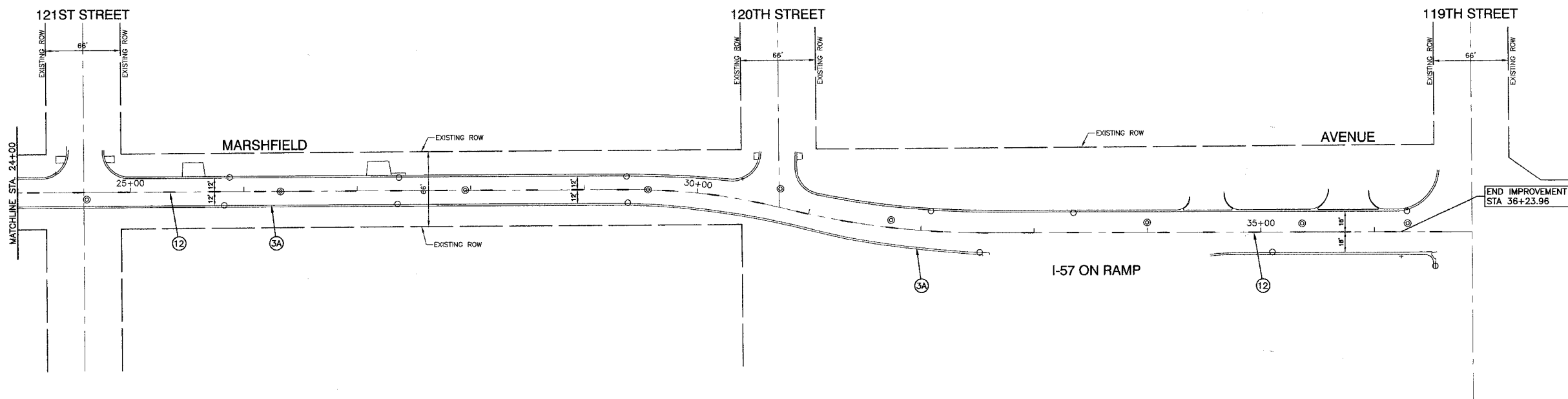
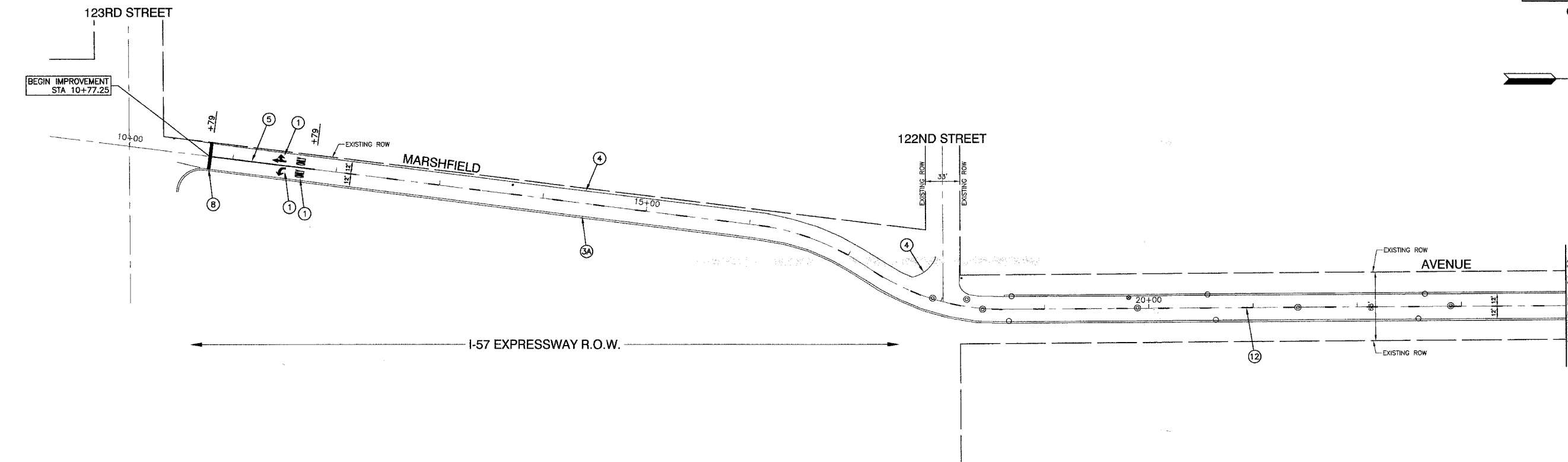
MARSHFIELD AVENUE STREET RESURFACING PLAN SHEET

SCALE: VERT. NA
HORIZ. 1"=50'
DATE 05/07/08

DRAWN BY EDG
CHECKED BY RS

F. A. S. NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
2855	08-00057-00-RS	COOK	11	05
STA. 10+77.25		TO STA. 36+23.96		
FED. ROAD DIST. NO.	BLANKS	FED. RD PROJECT		

CONTRACT #63043



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)
- ④ 4" YELLOW LINE
- ⑤ 4" WHITE EDGE LINE
- ⑥ 6" WHITE LANE LINE
- ⑦ 6" WHITE SKIP-DASH LINE (2' LINE - 6' SPACE)
- ⑧ 12" YELLOW DIAGONAL LINE (20' C/C)
- ⑨ 24" WHITE STOP BAR
- ⑩ 6" WHITE CROSSWALK (6' C/C)
- ⑪ 6" WHITE CROSSWALK (10' C/C)
- ⑫ 12" WHITE LINE (45° ANGLE, 20' C/C)
- ⑬ 4" WHITE SKIP - DASH LINE (10' LINE - 30' SPACE)
- ⑭ 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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**MARSHFIELD AVENUE
STREET RESURFACING
PAVEMENT MARKINGS**

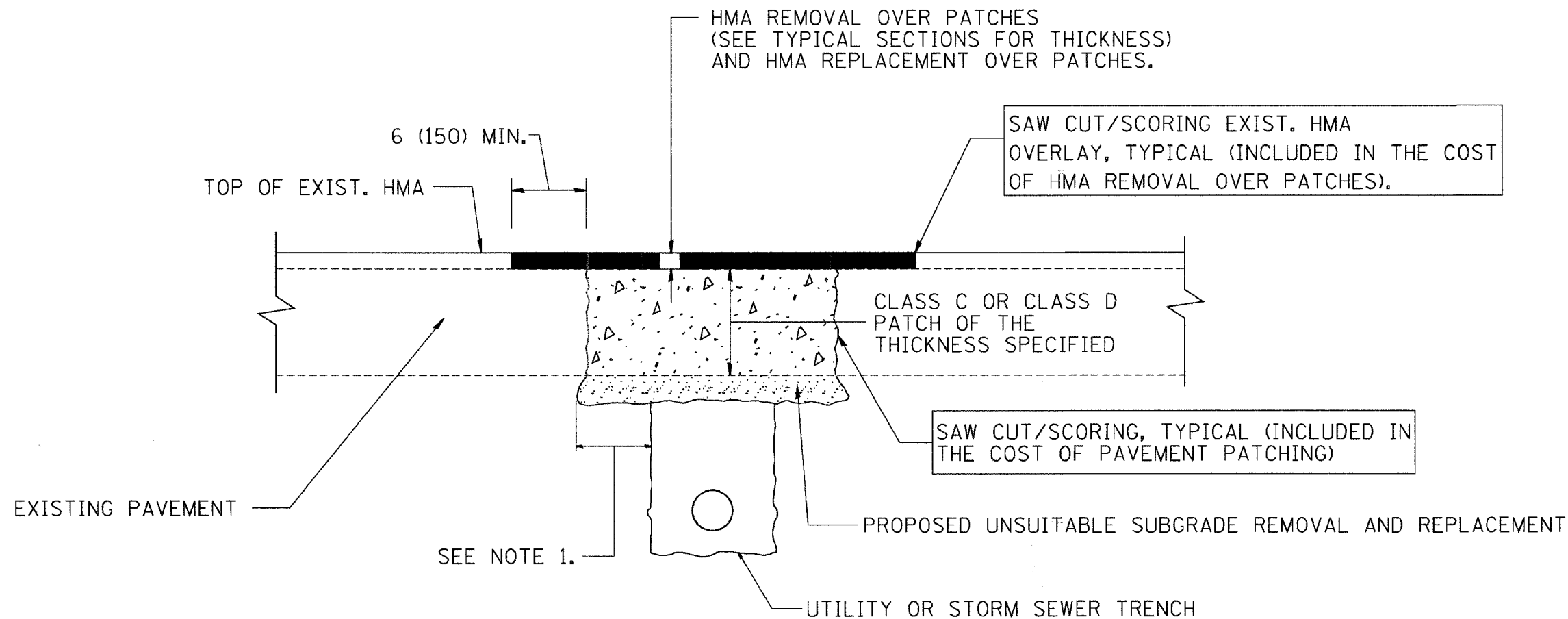
VERT. NA
SCALE: HORIZ. 1"=50'
DATE 05/07/08

DRAWN BY EDG
CHECKED BY RS

ROBINSON ENGINEERING, LTD.
11000 SOUTH PARK AVENUE, SOUTH HOLLAND, ILLINOIS 60470
(708) 381-0700 FAX (708) 381-3829
ILLINOIS DESIGN FIRM REGISTRATION NO. 19401129 07614-PMKG-01 - P01

F. A. U. NO.	SECTION	COUNTY	FISHL SHEETS	SHEET NO.
2855	08-00057-00-RS	COOK	11	06
STA.		TO STA.		
FED. ROAD DIST. NO.	ALINDS	FED. RD PROJECT		

CONTRACT #63043



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 (MILLIMETERS) UNLESS OTHERWISE SHOWN.

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/95
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART. ABBAS	04/27/98
R. BORO	01/01/07
R. BORO	09/04/03

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED
PAVEMENT

SCALE: VERT. NONE
HORIZ.

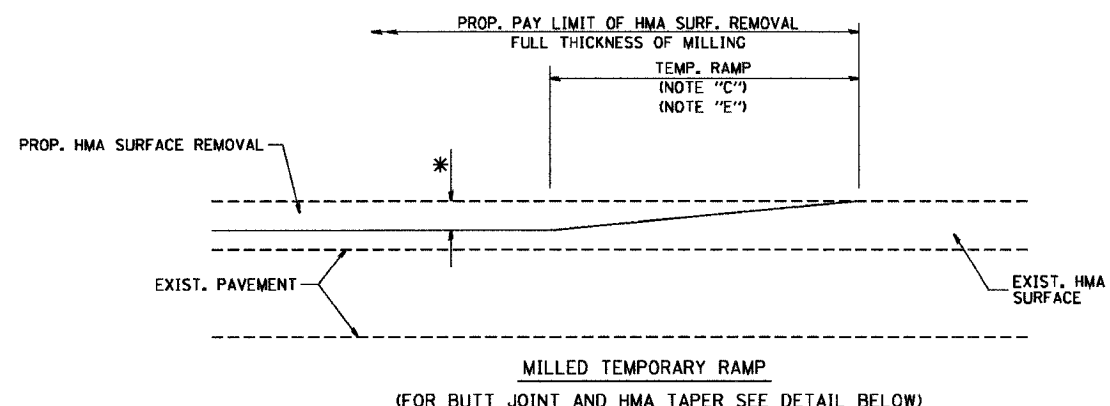
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CHECKED BY

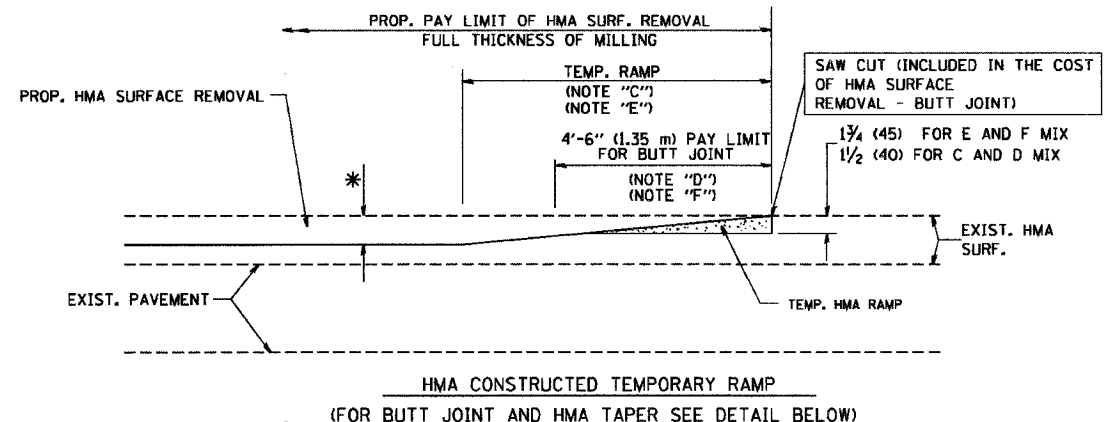
BD400-04 (BD-22)

F. A. U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2855	08-00057-00-RS	COOK	11	07
STA.		TO STA.		
FED. ROAD DIST. NO.	BLANDS	FED. RD PROJECT		

CONTRACT #63043

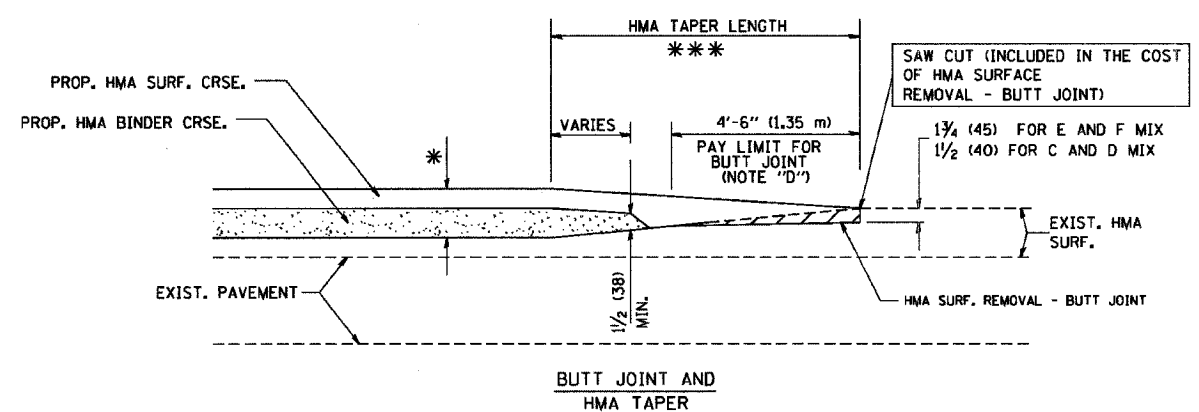


OPTION 1

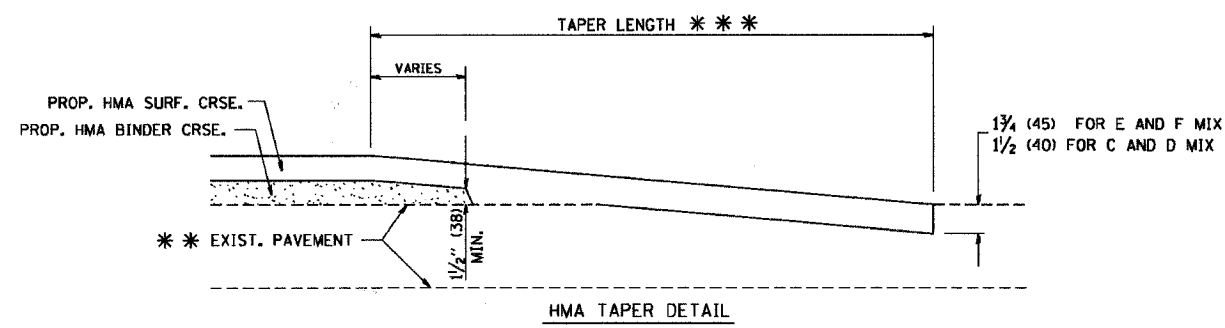
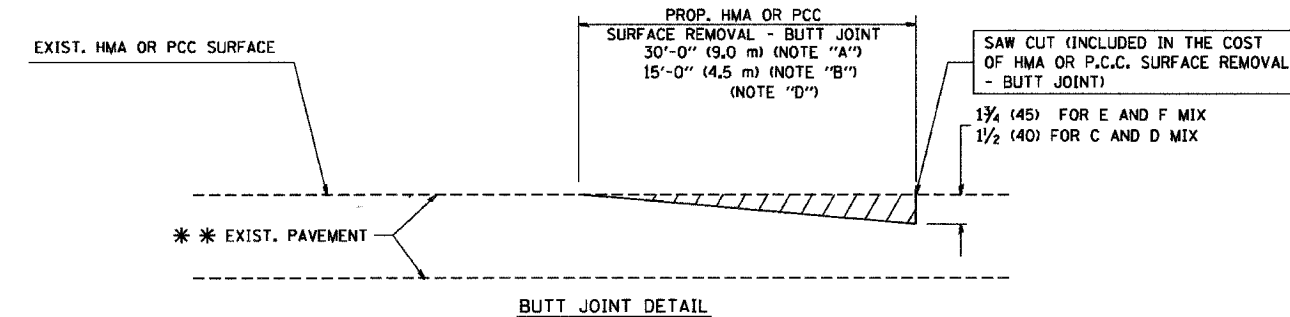


OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-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 SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

REVISIONS	
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

ILLINOIS DEPARTMENT OF TRANSPORTATION

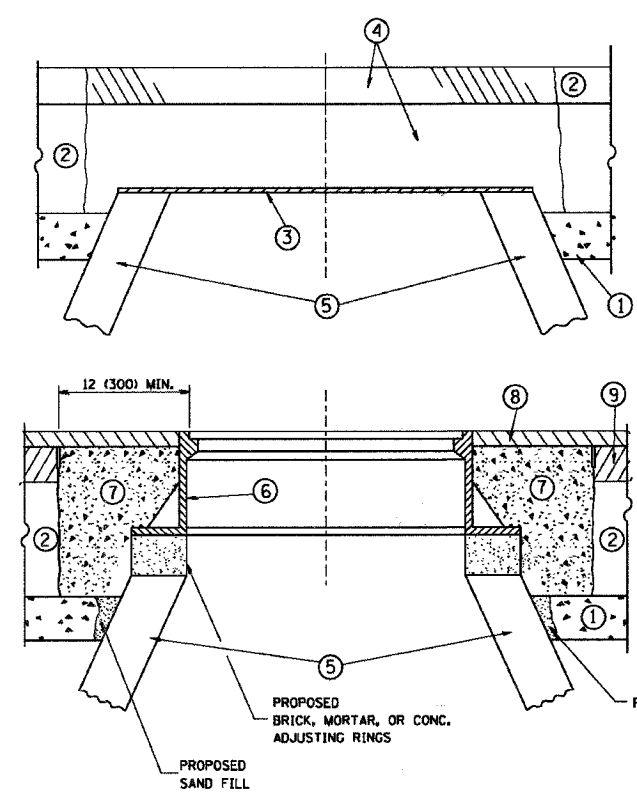
BUTT JOINT AND HMA TAPER DETAILS

SCALE: VERT. NONE
HORIZ.

DRAWN BY
CHECKED BY

F. A. U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2855	08-00057-00-RS	COOK	11	08
STA.		TO STA.		
FED. ROAD DIST. NO.	ALIANOS	FED. RD. PROJECT		

CONTRACT #63043



CONSTRUCTION PROCEDURES

- STAGE 1 (BEFORE PAVEMENT MILLING)**
- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
 - B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
 - C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
 - D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.
- STAGE 2 (AFTER PAVEMENT MILLING)**
- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
 - B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
 - C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS S1 CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

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

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS S1 CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

NOTES:

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

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

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

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON 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 (MILLIMETERS) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97
R. WIEDEMAN	05/14/04
R. BORO	01/01/07

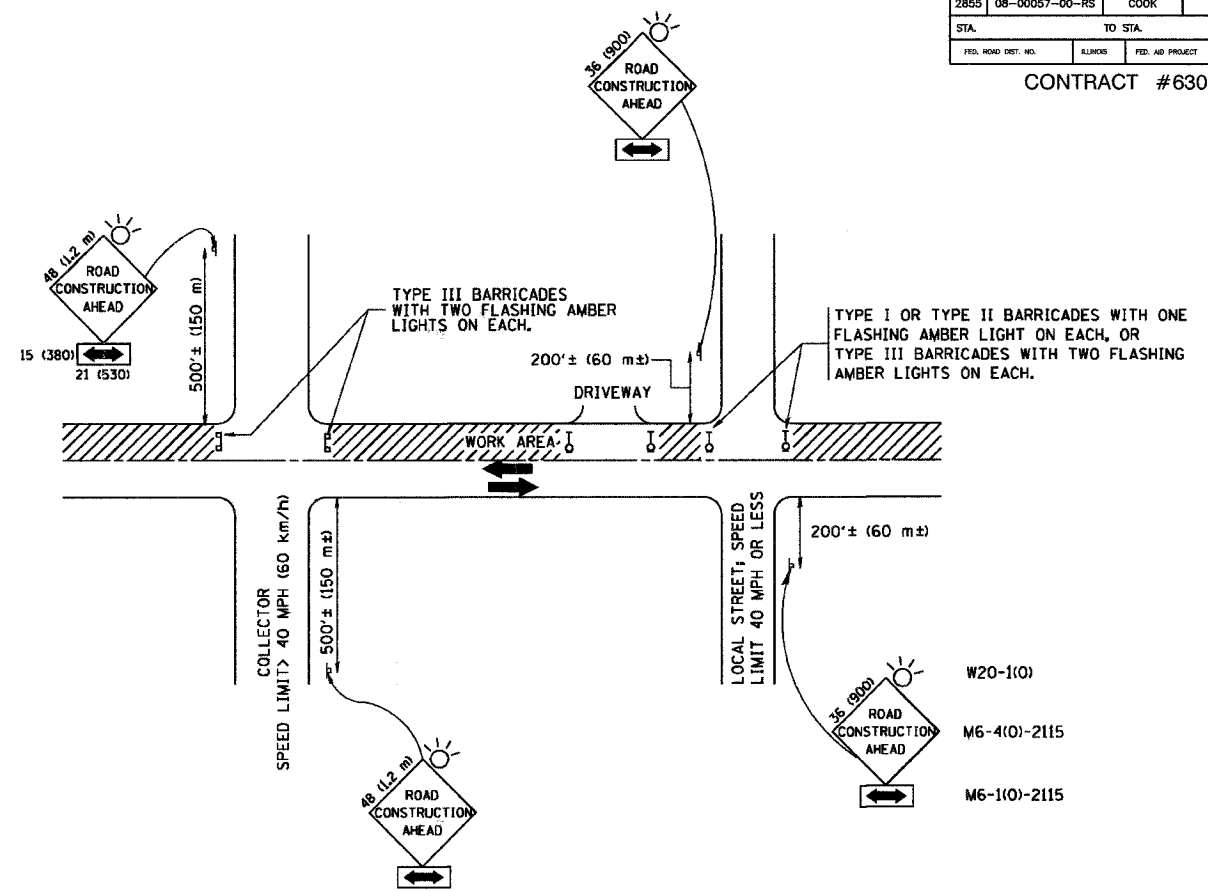
ILLINOIS DEPARTMENT OF TRANSPORTATION
**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT
WITH MILLING**

SCALE: VERT. NONE
HORIZ.

DRAWN BY
CHECKED BY
BD600-03 (BD-B)

F. A. U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2855	08-00057-00-RS	COOK	11	09
STA.		TO STA.		
FED. ROAD DIST. NO.	ALMOB	FED. AID PROJECT		

CONTRACT #63043



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 - 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN 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 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (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. 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.

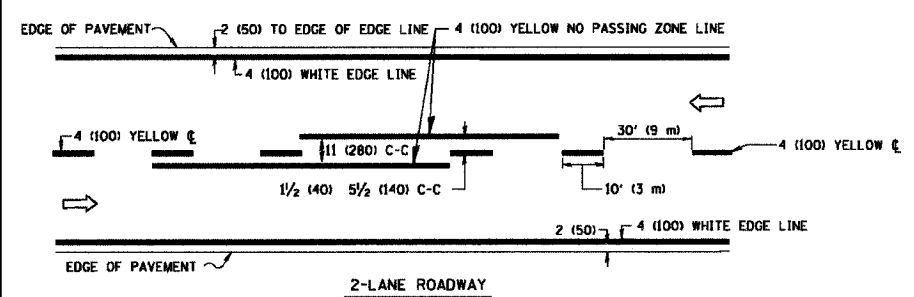
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME =	USER NAME = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
W:\d\stsd\22x34\1018.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

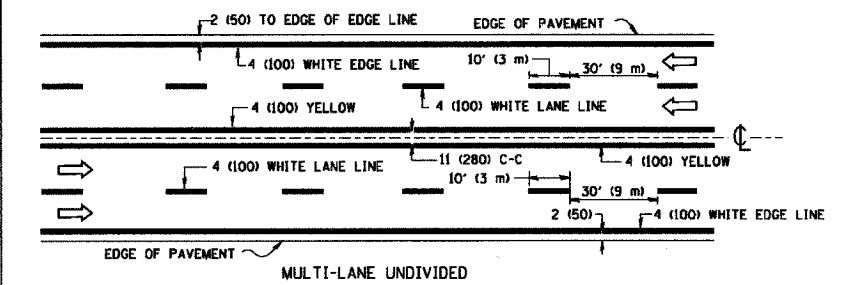
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

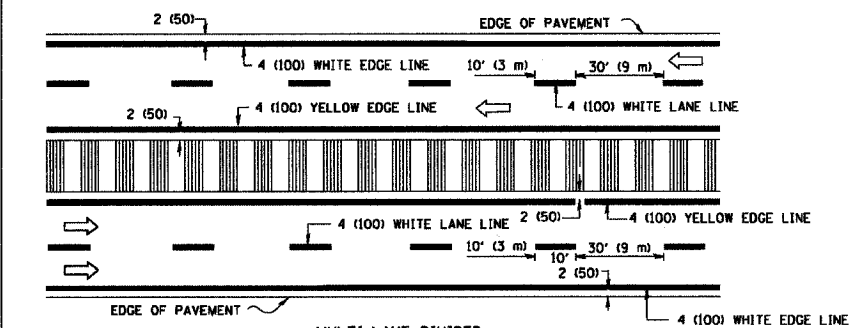
F. A. N. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2855	08-00057-00-RS	COOK	11	10
STA.	TO STA.		CONTRACT #63043	
FED. ROAD DIST. NO.	SLAB NO.	FED. AID PROJECT		



2-LANE ROADWAY



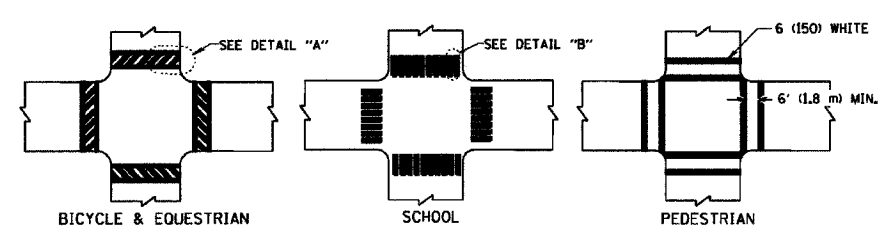
MULTI-LANE UNDIVIDED



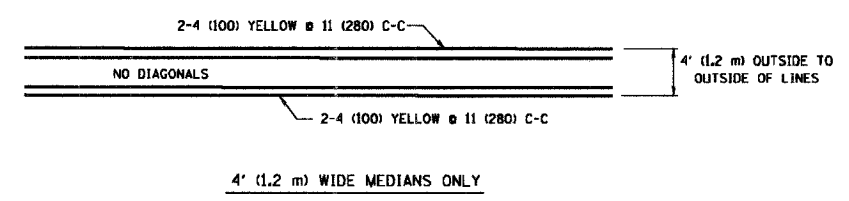
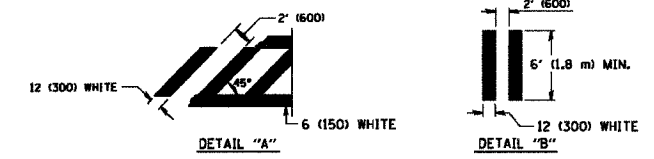
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

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

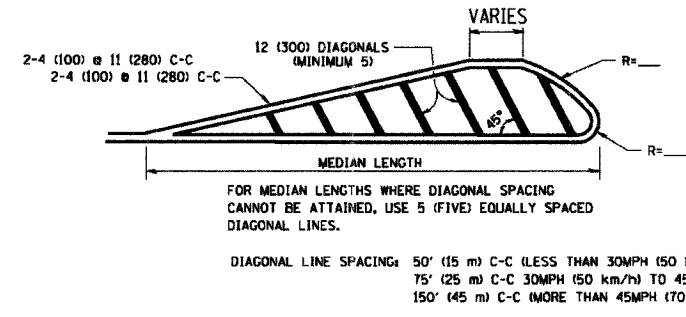
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

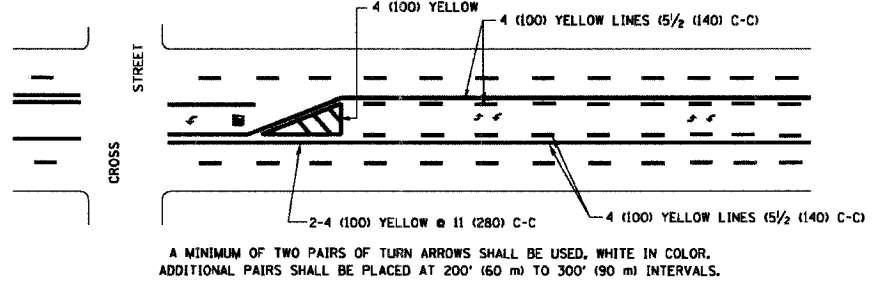


4' (1.2 m) WIDE MEDIANS ONLY

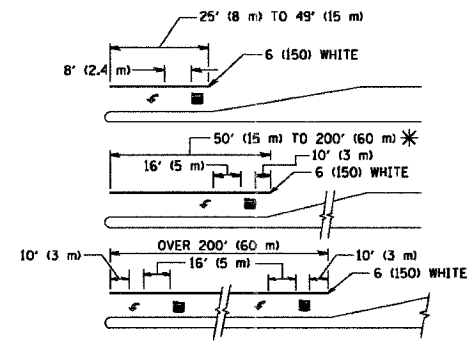
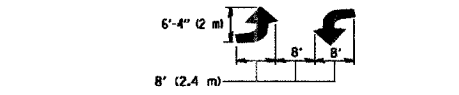


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE



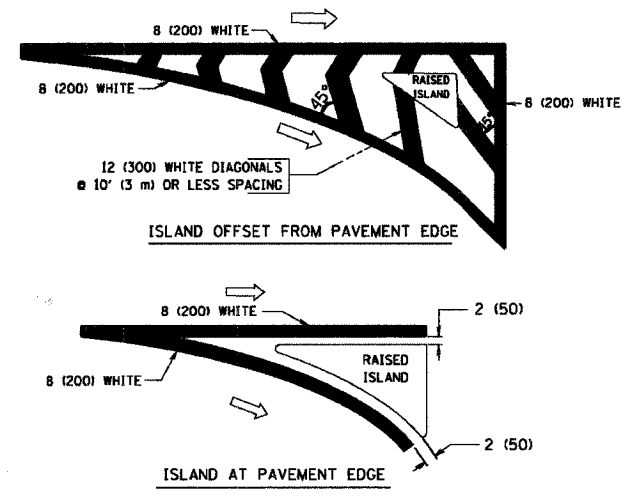
TYPICAL PAINTED MEDIAN MARKING



* 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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 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	5 1/2 (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 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) 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 @ 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 @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
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.

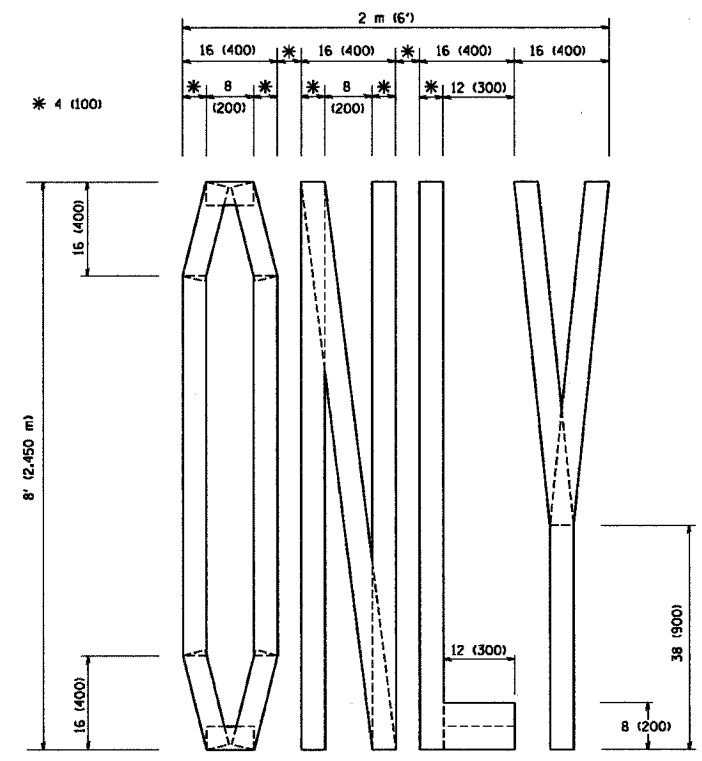
REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

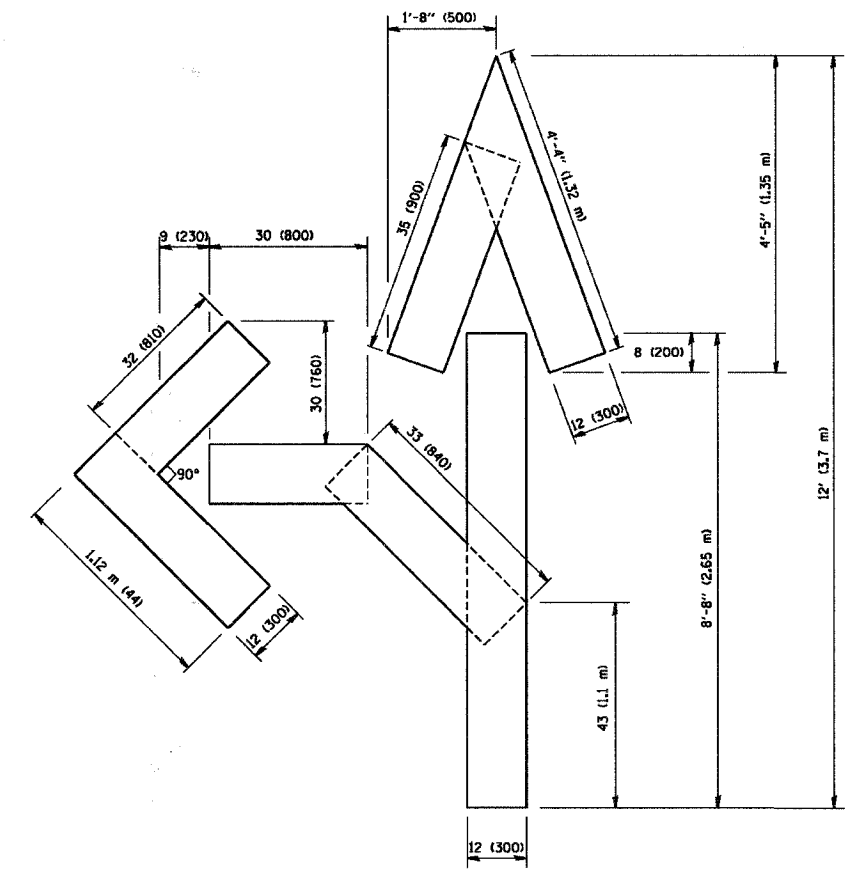
SCALE: NONE
DRAWN BY CADD
CHECKED BY
TC-13

F. A. U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2855	08-00057-00-RS	COOK	11	11
STA.		TO STA.		
FED. ROAD DIST. NO.	LANDS	FED. RD PROJECT		

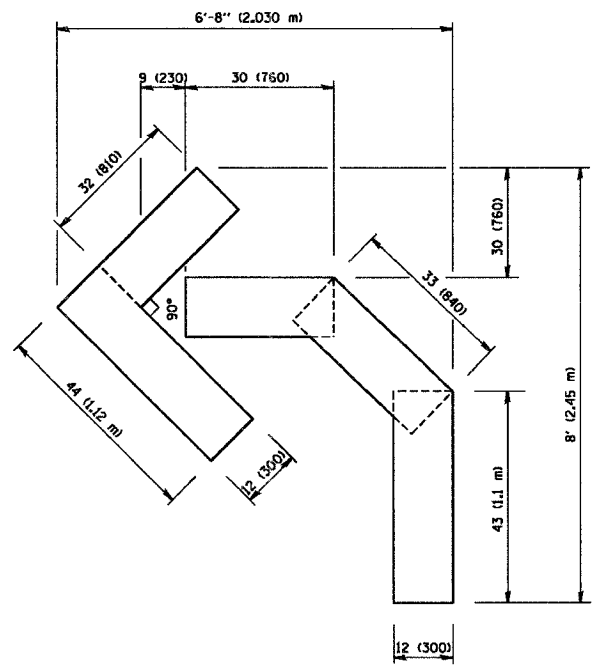
CONTRACT #63043



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



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



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

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKING
LETTERS AND SYMBOLS
FOR TRAFFIC STAGING**

SCALE: NONE
DRAWN BY CADD
CHECKED BY
TC-16