

F. A. U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1025	08-00181-00-RS	COOK	10	1
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	M-9003(180)	

CONTRACT #63117

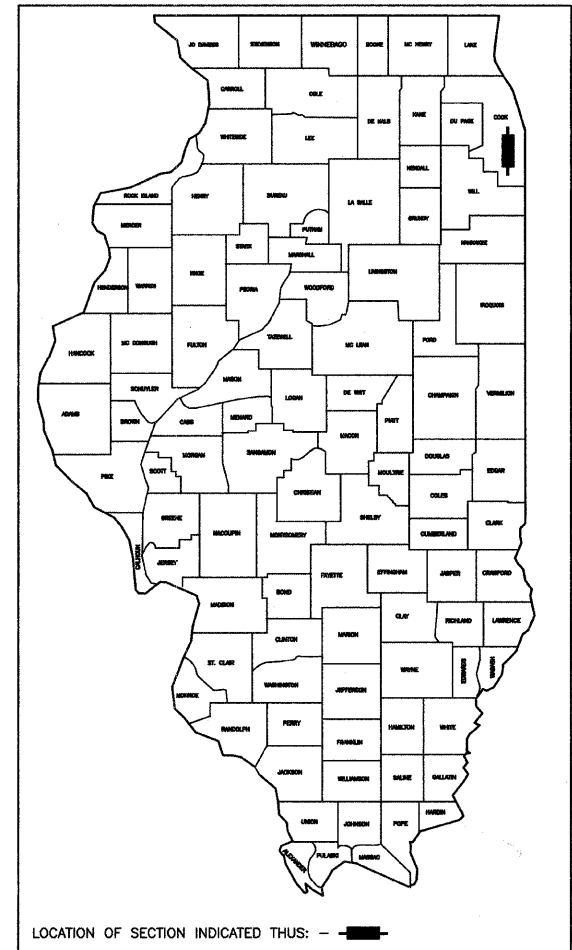
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

**FAU 1025 / BROADWAY AVENUE
PARK AVENUE TO SIBLEY BOULEVARD
LOCAL AGENCY PAVEMENT PRESERVATION**

**STREET RESURFACING
PROJECT: M-9003(180)
SECTION NO.: 08-00181-00-RS
JOB NO.: C-91-217-09**

**CITY OF HARVEY
COOK COUNTY**

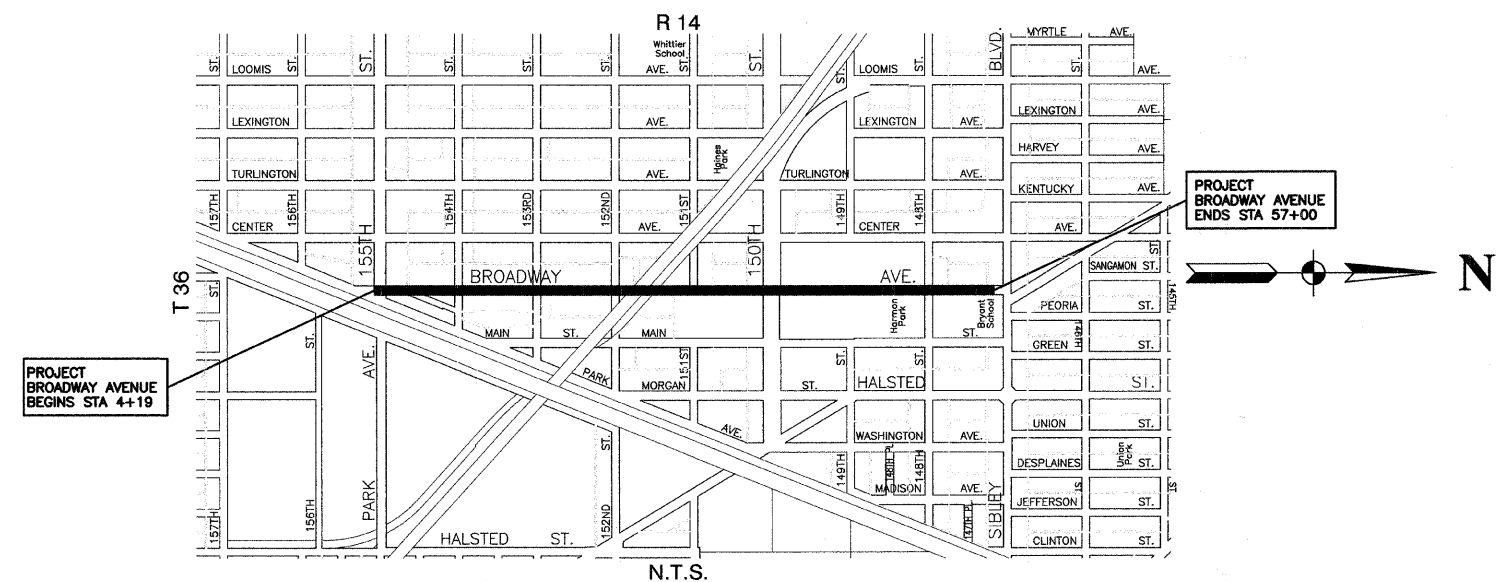
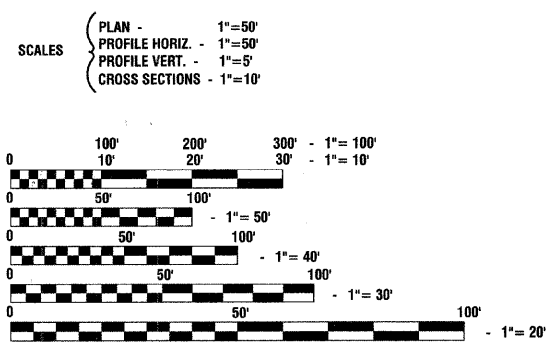


INDEX OF SHEETS

- 1 COVER SHEET, INDEX OF SHEETS, LOCATION MAP
INDEX OF STATE STANDARDS
- 2 SUMMARY OF QUANTITIES & GENERAL NOTES
- 3 TYPICAL CROSS SECTION
- 4-5 PAVEMENT PLAN
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HIGHWAY 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
- 606001-04 CONCRETE CURB AND COMBINATION CONCRETE CURB & GUTTER
- 701501-05 URBAN LANE CLOSURE 2-L, 2-W, UNDIVIDED
- 701701-06 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-04 LANE CLOSURE, MULTILANE, 1W OR 2W, CROSSWALK OR SIDEWALK CLOSURE,
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS



LOCATION MAP

— INDICATES PROPOSED IMPROVEMENT
GROSS LENGTH= 5,281 FEET = 1.00 MILES
NET LENGTH= 5,281 FEET = 1.00 MILES

BROADWAY AVENUE COLLECTOR
ADT=12,000 (2007)
=12,000 (2030)
DESIGN SPEED=35 MPH
SPEED LIMIT= 35 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 or 811

CONTRACT NO. 63117

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

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

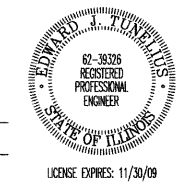
Approved: 12-19-2008
Eric J. Kelly
Mayor, City of Harvey

Passed: FEBRUARY 9, 2009
CHRISTOPHER HOLT
District 1 Engineer of Local Roads & Streets

Released for Bid Based on Limited Review: FEBRUARY 10, 2009
Diane M. O'Keefe
Deputy Director of Highways, Region 1 Engineer

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THE STATE OF ILLINOIS

PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:
Edward J. Gindler
12-18-2008



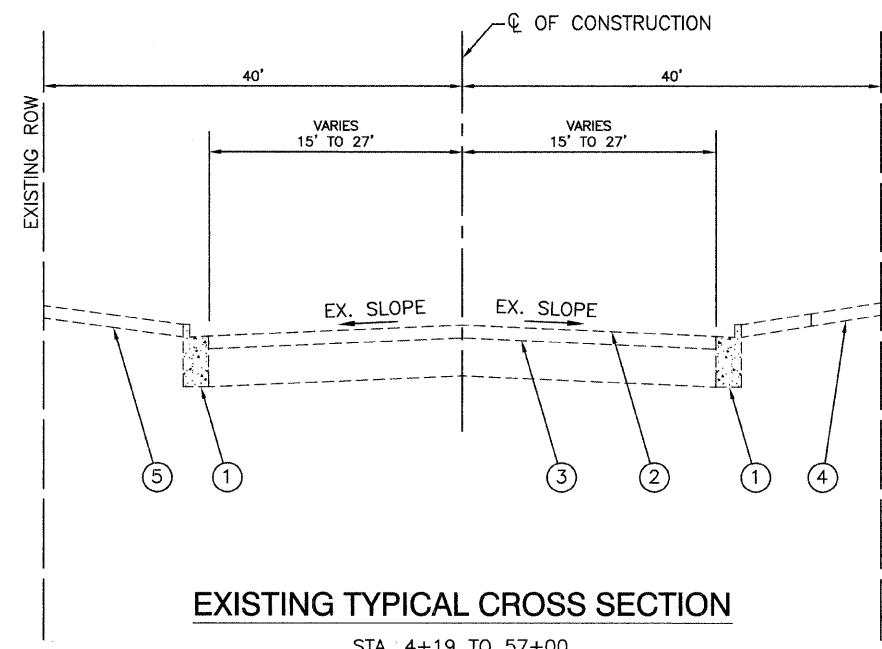
SUMMARY OF QUANTITIES					PAVEMENT	MARKINGS
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	CONSTRUCTION TYPE CODE	
					I000	SFTY-1D
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2700	2700	
	40600895	CONSTRUCTING TEST STRIP	EACH	3	3	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1050	1050	
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2400	2400	
	42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	160	160	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	7500	7500	
	42400800	DETECTABLE WARNINGS	SQ FT	464	464	
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	28700	28700	
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	160	160	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2330	2330	
	44000600	SIDEWALK REMOVAL	SQ FT	7500	7500	
	44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	60	60	
	44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	115	115	
	44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	1330	1330	
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME OPEN LID	EACH	3	3	
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	40	40	
	60255500	MANHOLES TO BE ADJUSTED	EACH	23	23	
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	24	24	
	60500050	REMOVE CATCH BASIN	EACH	3	3	
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2330	2330	
	67100100	MOBILIZATION	L SUM	1	1	
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	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	1760		1760
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	150		150
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9420		9420
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	500		500
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1330		1330
	X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1250	1250	
	Z0000940	AGGREGATE FOR DRIVEWAY MAINTENANCE	TON	100	100	
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
	XX0006947	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	150	150	

* - INDICATES SPECIALTY ITEMS

GENERAL NOTES:

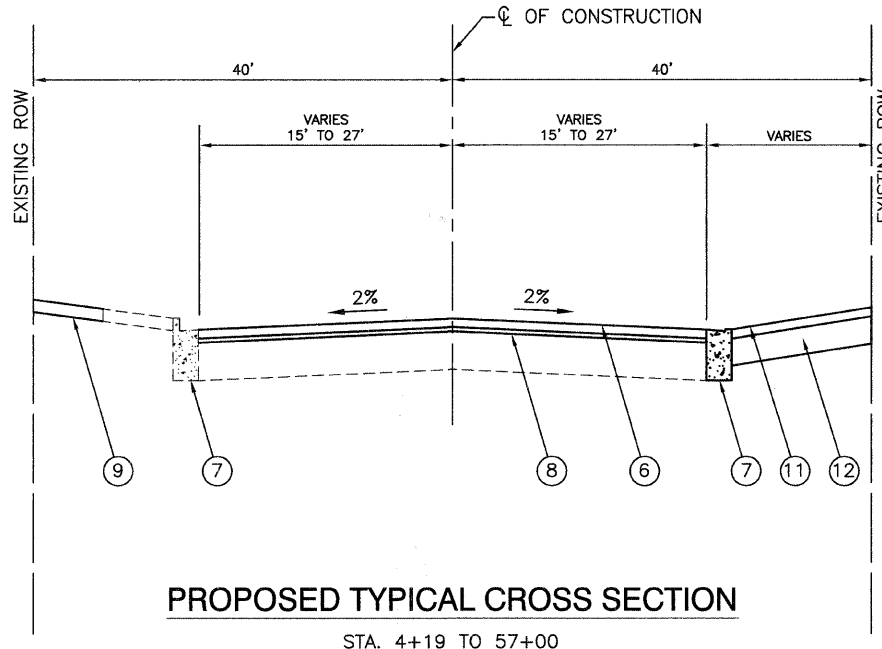
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
- UTILITIES INDICATED ON THE PLANS ARE PROVIDED FOR THE CONTRACTORS USE AND ARE BASED UPON 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 HOT-MIX ASPHALT 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 HOT-MIX ASPHALT SURFACE IS PLACED.

FILE NAME = 07485-QUAN-01 - 001	USER NAME =	DESIGNED - RES	REVISED - 02-09-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BROADWAY AVENUE QUANTITIES PARK AVENUE TO SIBLEY BOULEVARD HARVEY, ILLINOIS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - SLG	REVISED -			1025	08-00181-00-RS	COOK	10	2		
	PLOT SCALE = N/A	DRAWN - SLG	REVISED -		SCALE: NONE	SHEET NO. 2	OF 10 SHEETS	STA. ---	TO STA. ---	CONTRACT NO. 63117		
	PLOT DATE = 12/18/08	CHECKED - SLG	REVISED -					FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-9003(180)		



EXISTING TYPICAL CROSS SECTION

STA. 4+19 TO 57+00



PROPOSED TYPICAL CROSS SECTION

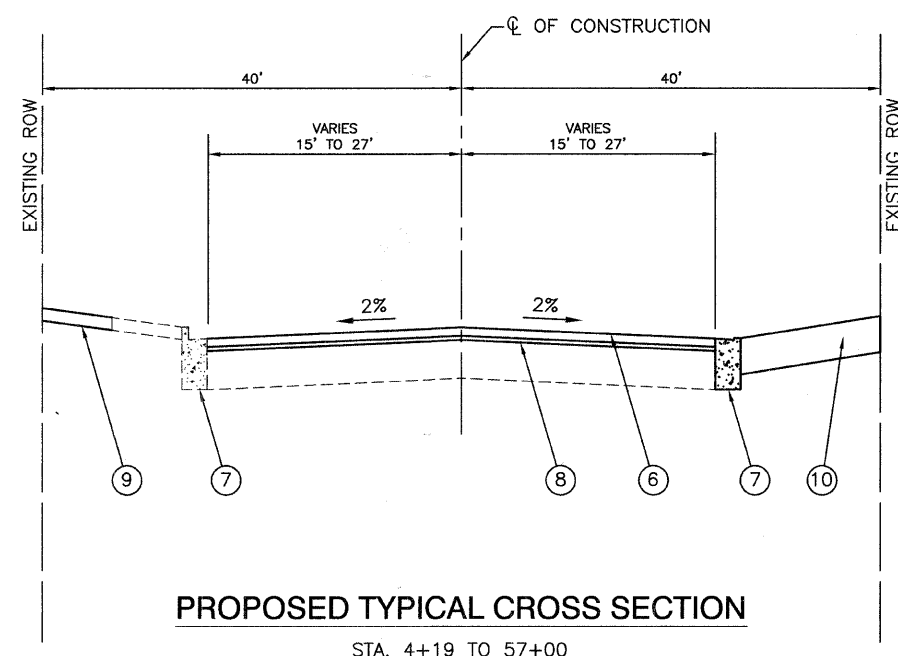
STA. 4+19 TO 57+00

- 1 EXISTING CURB & GUTTER TO BE REMOVED AT LOCATIONS AS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- 2 HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- 3 EXISTING BITUMINOUS BASE COURSE TO REMAIN, ±10"
- 4 EXISTING P.C. CONCRETE SIDEWALK TO BE REMOVED AT LOCATIONS AS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- 5 EXISTING DRIVEWAY PAVEMENT TO BE REMOVED AT LOCATIONS AS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- 6 HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70 1½"
- 7 COMBINATION CONCRETE CURB & GUTTER, B6.12 AT LOCATIONS AS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- 8 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- 9 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- 10 PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT AT LOCATIONS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- 11 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- 12 HOT-MIX ASPHALT BASE COURSE, 6"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AC TYPE	AIR VOIDS
RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70(IL-9.5mm); 1 1/2"	PG 64-22	4% @ 70 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	SBS/SBR PG 76-28/-22	4% @ 70 Gyr.
DRIVEWAYS		
HOT MIX ASPHALT SURFACE COURSE, MIX "C", N50(IL-9.5mm); 2"	PG 64-22	4% @ 50 Gyr.
HOT MIX ASPHALT BASE COURSE, (HMA BINDER IL-19.0mm); 6"	PG 64-22 *	4% @ 50 Gyr.
PATCHING		
CLASS D PATCHES, TYPE II, III, IV, 6"	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.



PROPOSED TYPICAL CROSS SECTION

STA. 4+19 TO 57+00

FILE NAME = 07485-TYPX-01 - P01

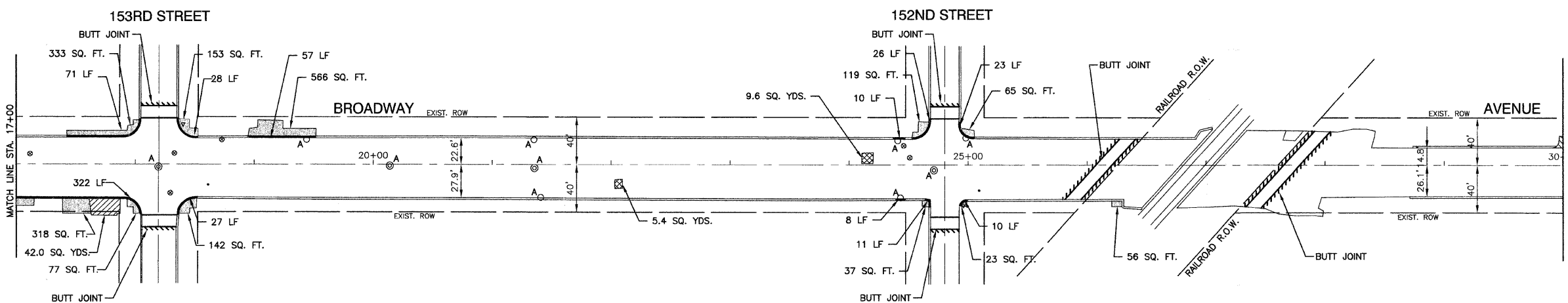
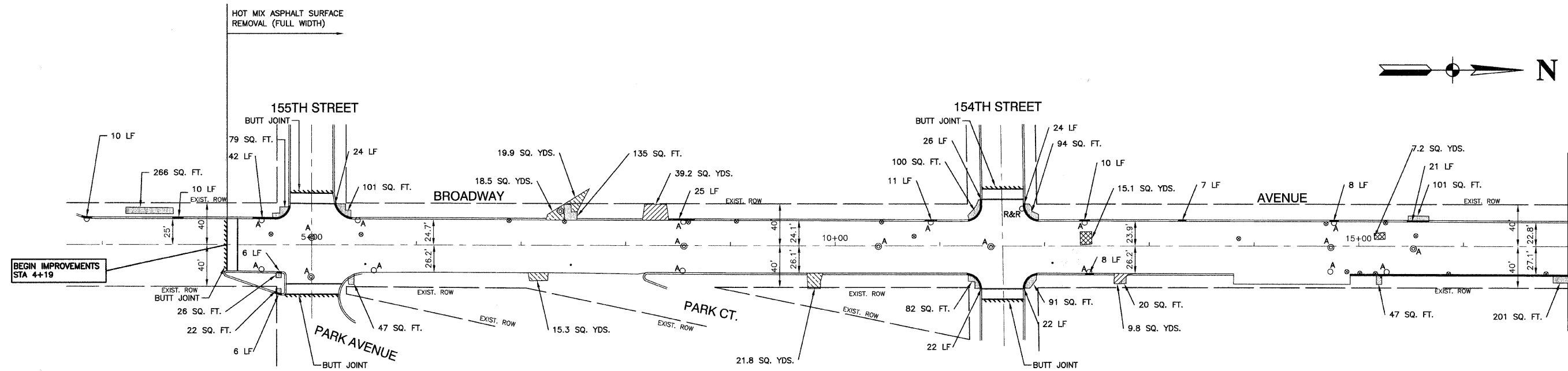
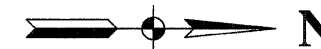
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PLOT SCALE =	DRAWN -- SLG	REVISED --
PLOT DATE = 12/18/08	CHECKED -- SLG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BROADWAY AVENUE TYPICAL SECTIONS
PARK AVENUE TO SIBLEY BOULEVARD
HARVEY, ILLINOIS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1025	08-00181-00-RS	COOK	10	3
CONTRACT NO. 63117				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(180)				

SCALE: NONE SHEET NO. 3 OF 10 SHEETS STA. --- TO STA. ---



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

LEGEND

	HMA PAVEMENT REPAIR
	HMA DRIVEWAY REMOVAL AND REPLACEMENT
	CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT
	CONCRETE SIDEWALK REMOVAL AND REPLACEMENT
	BUTT JOINTS
	CURB REMOVAL
A	STRUCTURE TO BE ADJUSTED
R	STRUCTURE TO BE RECONSTRUCTED
R&R	STRUCTURE TO BE REMOVED AND REPLACED
	EXISTING DETECTOR LOOP

FILE NAME = 07485_01-PLAN-01 - (P01)

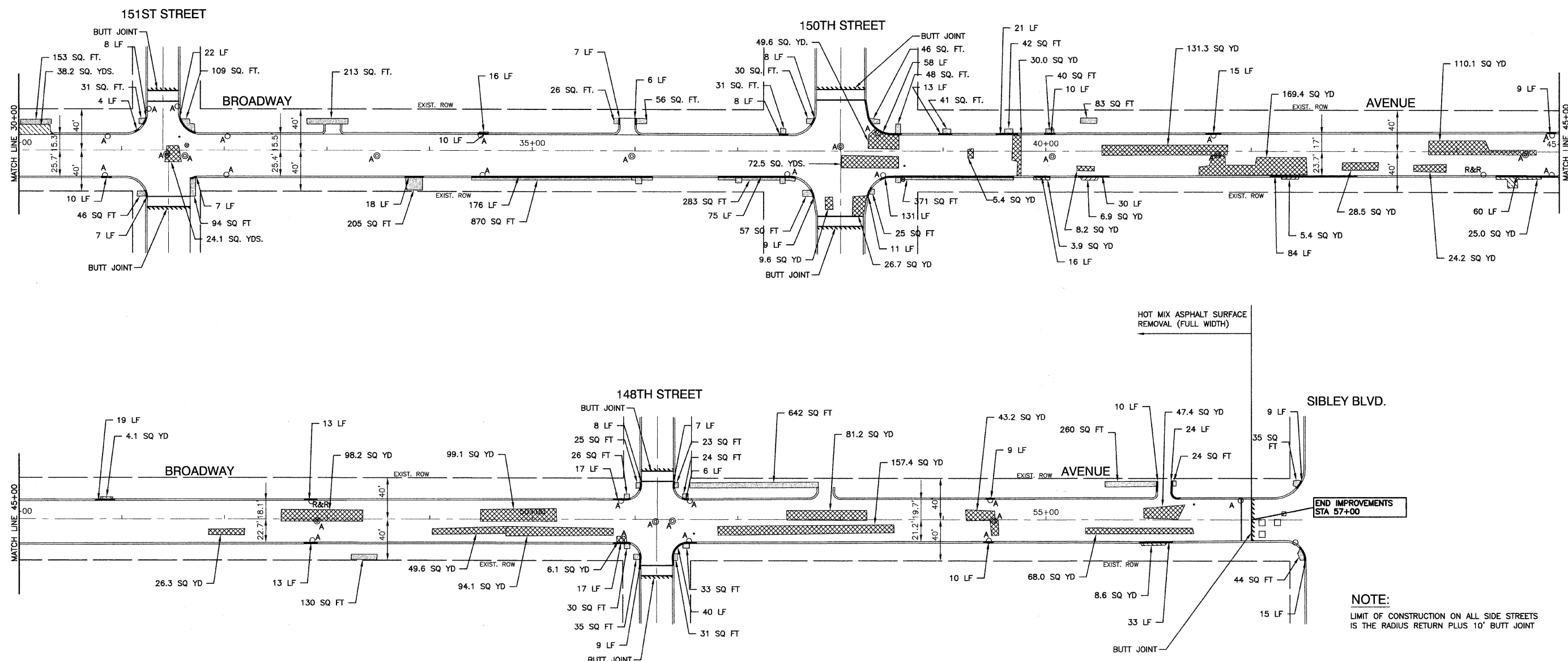
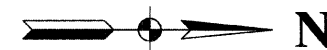
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	CHECKED — SLG	REVISED —
PLOT SCALE = 1"=50'	DRAWN — SLG	REVISED —
PLOT DATE = 12/18/08	CHECKED — SLG	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BROADWAY AVENUE PAVEMENT PLAN
PARK AVENUE TO SIBLEY BOULEVARD
HARVEY, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1025	08-00181-00-RS	COOK	10	4
CONTRACT NO. 63117				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	M-9003(180)	

SCALE: 1"=50' SHEET NO. 4 OF 10 SHEETS STA. 4+19 TO STA. 30+00

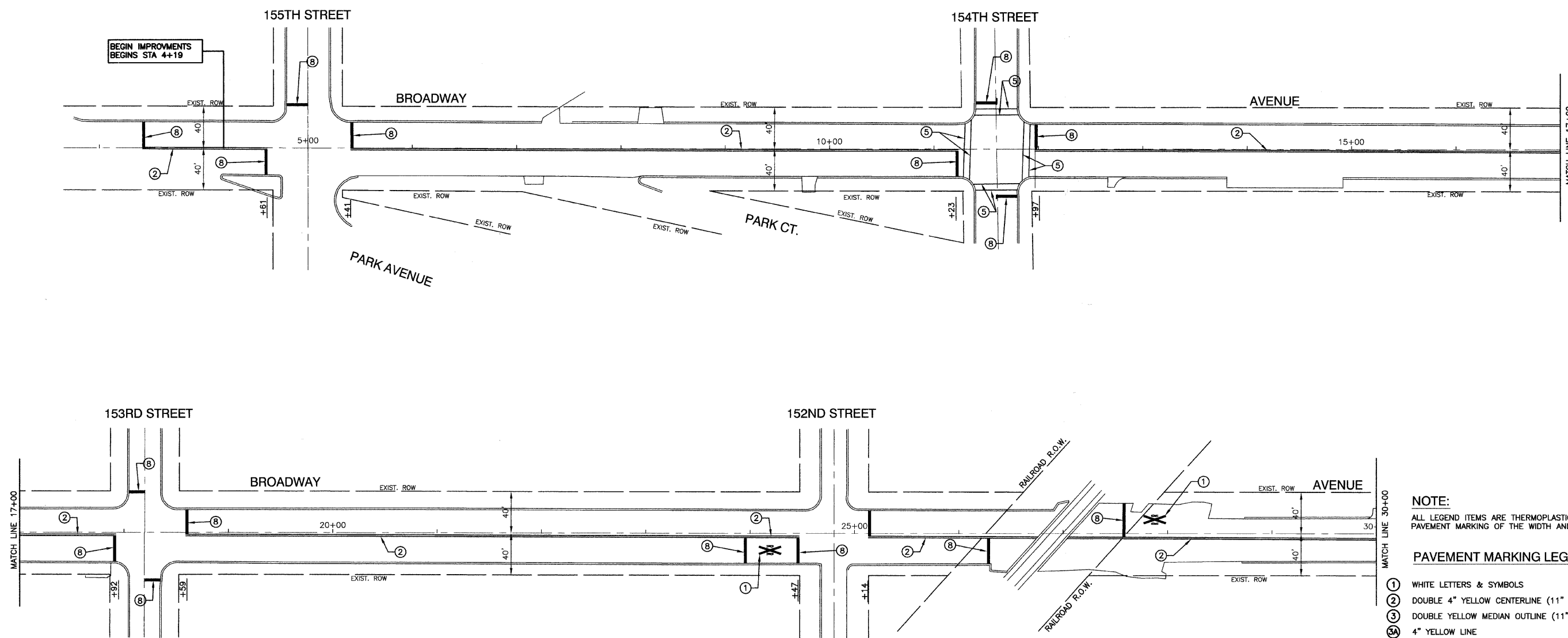
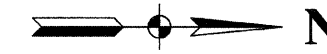


NOTE:
LIMIT OF CONSTRUCTION ON ALL SIDE STREETS IS THE RADIUS RETURN PLUS 10' BUTT JOINT

LEGEND

	HMA PAVEMENT REPAIR
	HMA DRIVEWAY REMOVAL AND REPLACEMENT
	CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT
	CONCRETE SIDEWALK REMOVAL AND REPLACEMENT
	BUTT JOINTS
	CURB REMOVAL
	STRUCTURE TO BE ADJUSTED
	STRUCTURE TO BE RECONSTRUCTED
	STRUCTURE TO BE REMOVED AND REPLACED
	EXISTING DETECTOR LOOP

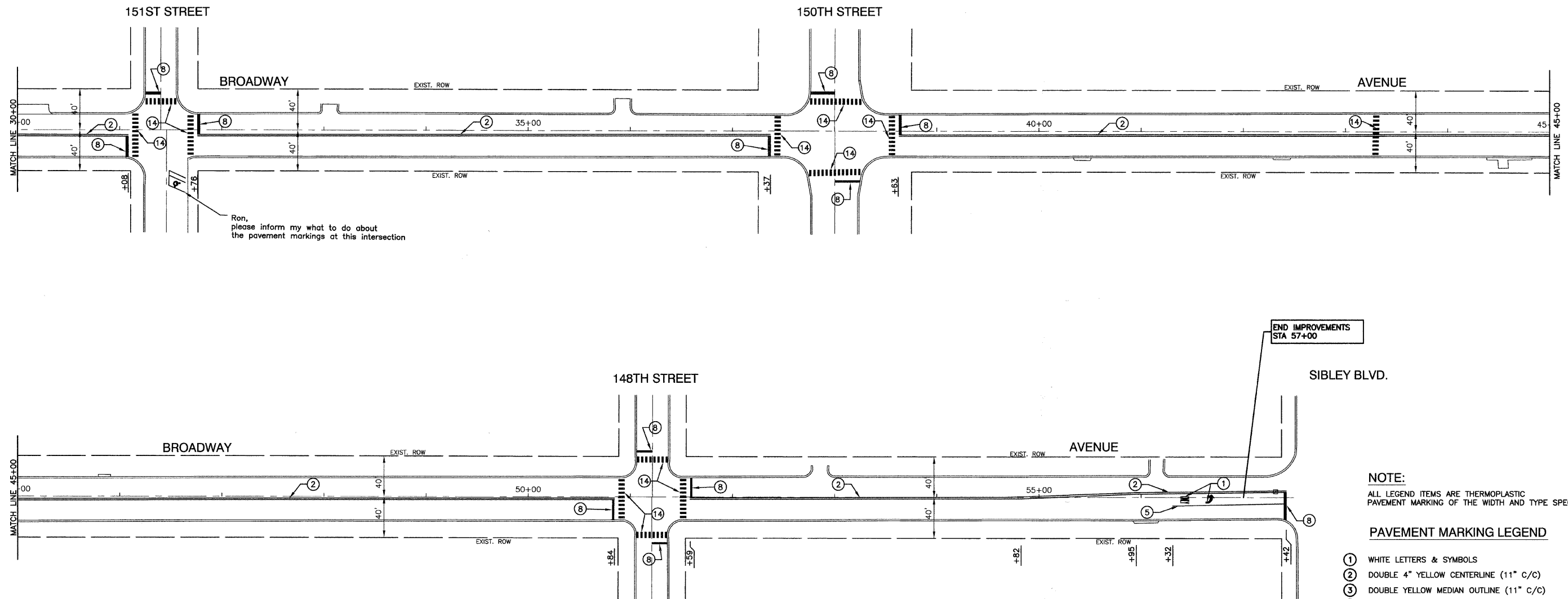
FILE NAME = 07485_01-PLAN-01 - (P02)	USER NAME =	DESIGNED — RES	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BROADWAY AVENUE PAVEMENT PLAN PARK AVENUE TO SIBLEY BOULEVARD HARVEY, ILLINOIS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1"=50'	CHECKED — SLG	REVISED —		1025	08-00181-00-RS	COOK	10	5			
	PLOT DATE = 12/18/08	DRAWN — SLG	REVISED —		SCALE: 1"=50' SHEET NO. 5 OF 10 SHEETS STA. 30+00 TO STA. 57+00			CONTRACT NO. 63117				
		CHECKED — SLG	REVISED —					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(180)				



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, 2' C/C)
 - ⑬ 4" WHITE SKIP - DASH LINE (10' LINE - 30' SPACE)
 - ⑭ 4" YELLOW SKIP - DASH LINE (10' LINE - 30' SPACE)
 - ⑮ 24" WHITE LINE (2' APART)
 - ▲ 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

FILE NAME = 07485_01-PMK-01A - P01	USER NAME =	DESIGNED -- RES	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BROADWAY AVENUE STRIPING PLAN PARK AVENUE TO SIBLEY BOULEVARD HARVEY, ILLINOIS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1"=50'	CHECKED -- SLG	REVISED --		1025	08-00181-00-RS	COOK	10	6			
	PLOT DATE = 12/18/08	DRAWN -- SLG	REVISED --		SCALE: 1"=50' SHEET NO. 6 OF 10 SHEETS STA. 4+19 TO STA. 30+00			CONTRACT NO. 63117		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-9003(180)

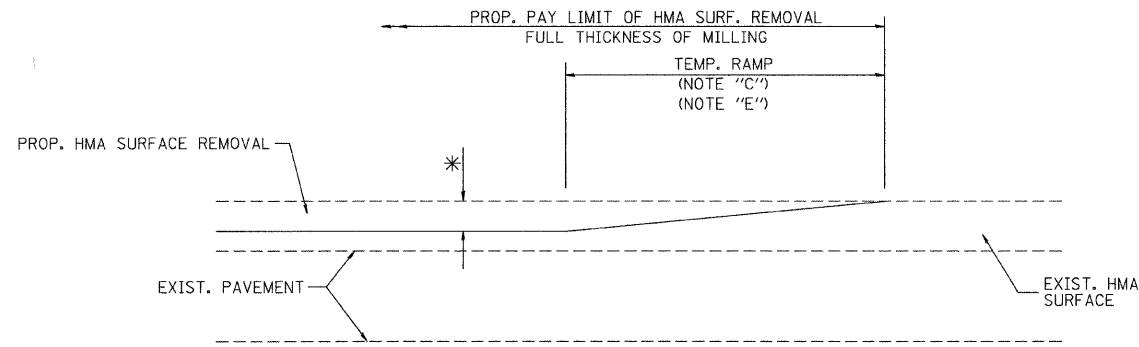


NOTE:
ALL LEGEND ITEMS ARE THERMOPLASTIC PAVEMENT MARKING OF THE WIDTH AND TYPE SPECIFIED

PAVEMENT MARKING LEGEND

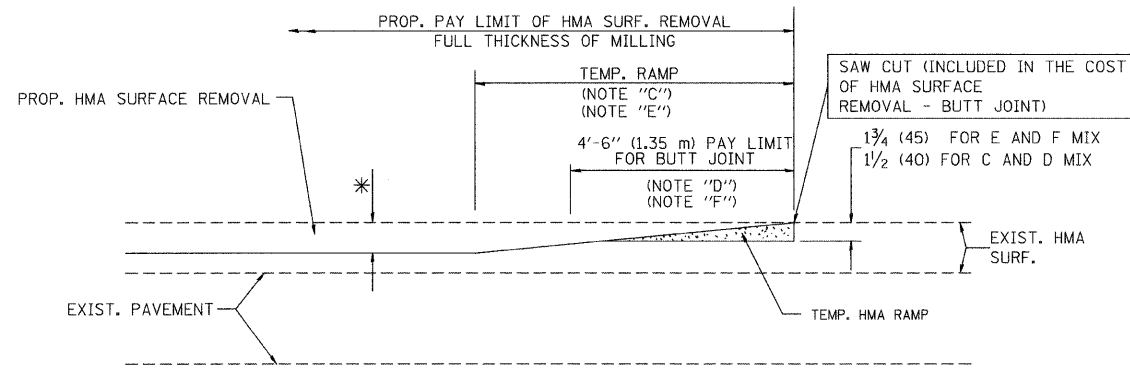
- ① WHITE LETTERS & SYMBOLS
- ② DOUBLE 4" YELLOW CENTERLINE (11" C/C)
- ③ DOUBLE YELLOW MEDIAN OUTLINE (11" C/C)
- ④ 4" YELLOW LINE
- ⑤ 4" WHITE EDGE LINE
- ⑥ 6" WHITE LANE LINE
- ⑦ 6" WHITE SKIP-DASH LINE (2' LINE - 6' SPACE)
- ⑧ 12" YELLOW DIAGONAL LINE (20' C/C)
- ⑨ 24" WHITE STOP BAR
- ⑩ 6" WHITE CROSSWALK (6' C/C)
- ⑪ 6" WHITE CROSSWALK (10' C/C)
- ⑫ 12" WHITE LINE (45° ANGLE, 2' C/C)
- ⑬ 4" WHITE SKIP - DASH LINE (10' LINE - 30' SPACE)
- ⑭ 4" YELLOW SKIP - DASH LINE (10' LINE - 30' SPACE)
- ⑮ 24" WHITE LINE (2" APART)
- ▲ 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

FILE NAME = 07485_01-PVMK-01A - P02	USER NAME =	DESIGNED -- RES	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BROADWAY AVENUE STRIPING PLAN PARK AVENUE TO SIBLEY BOULEVARD HARVEY, ILLINOIS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1"=50'	CHECKED -- SLG	REVISED --		1025	08-00181-00-RS	COOK	10	7			
	PLOT DATE = 12/18/08	DRAWN -- SLG	REVISED --		SCALE: 1"=50' SHEET NO. 7 OF 10 SHEETS STA. 30+00 TO STA. 57+00			CONTRACT NO. 63117				
		CHECKED -- SLG	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT M-9003(180)				



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

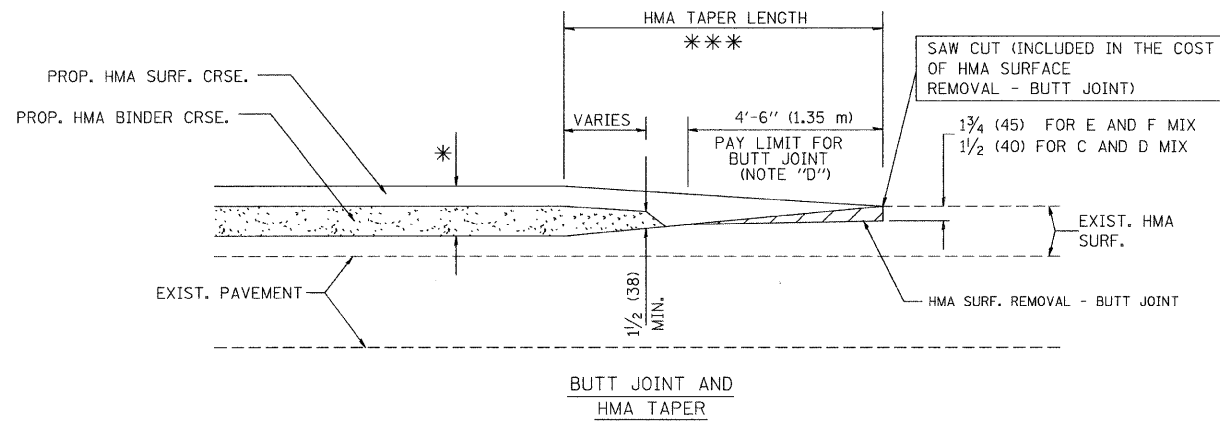
OPTION 1



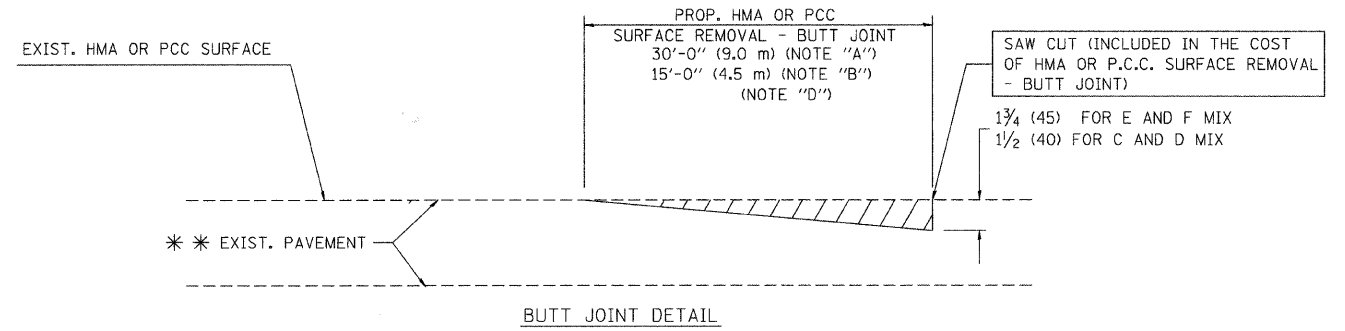
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

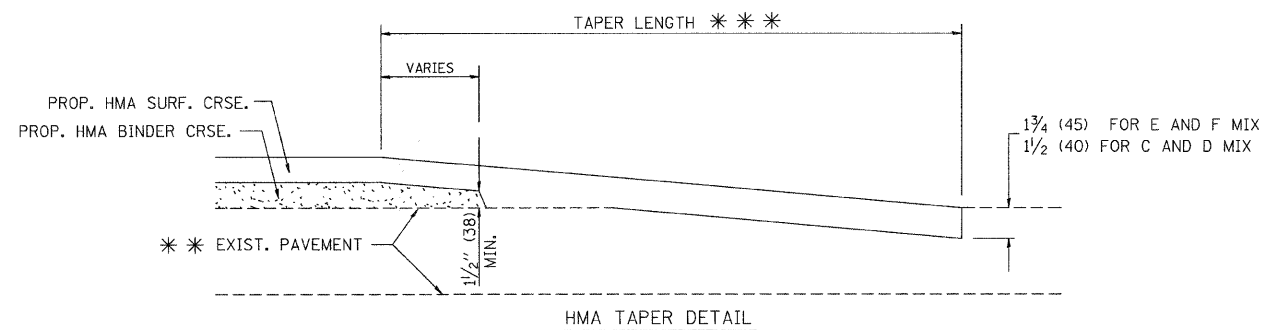
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

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")

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".

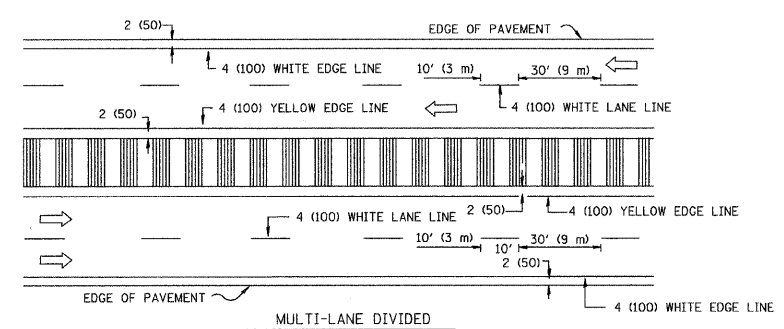
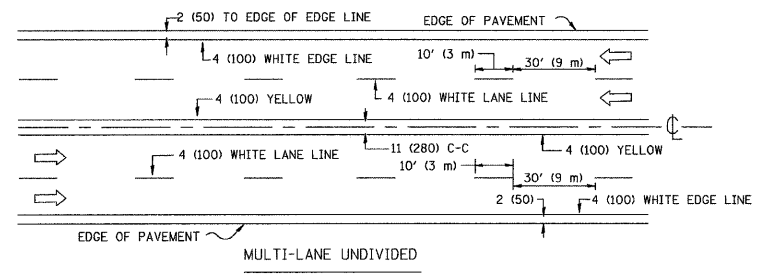
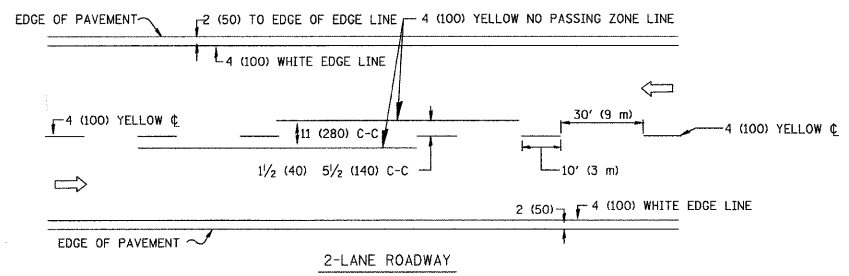
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\dstatd\22x34\bd32.dgn	USER NAME = gegl1anobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
		CHECKED -	REVISED - M. GOMEZ 04-06-01
		DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

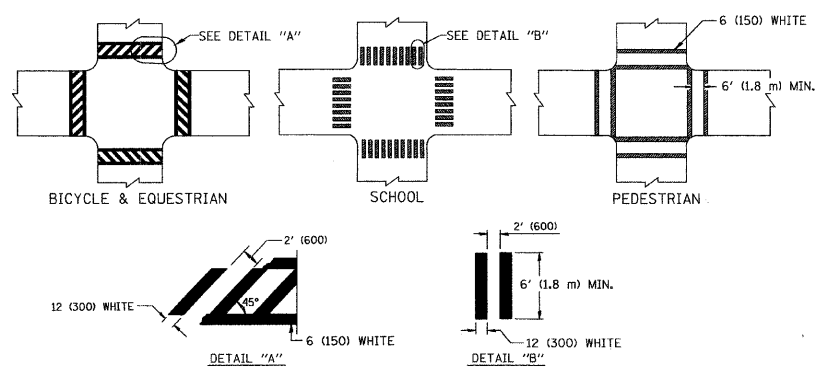
DISTRICT ONE BUTT JOINT AND HMA TAPER DETAILS			
SCALE: NONE	SHEET NO. 8	OF 10 SHEETS	STA. TO STA.

F.A.U. RTE. 1025	SECTION 08-00181-00-RS	COUNTY COOK	TOTAL SHEETS 10	SHEET NO. 8
BD400-05 BD32		CONTRACT NO. 63117		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(180)				

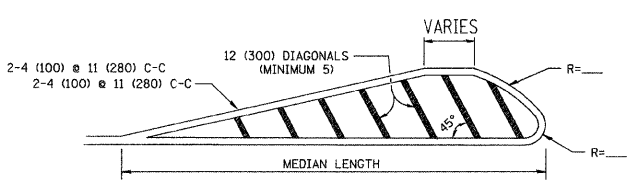
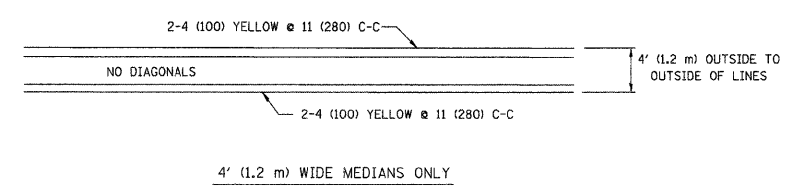


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

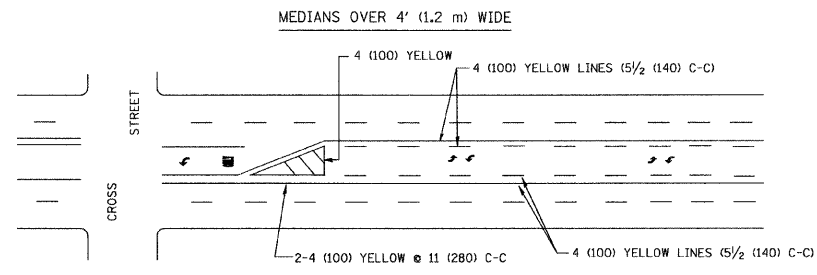
TYPICAL LANE AND EDGE LINE MARKING



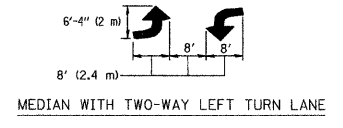
TYPICAL CROSSWALK MARKING



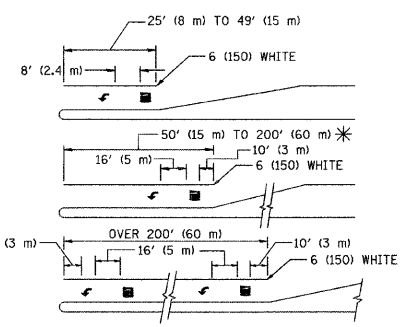
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



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.



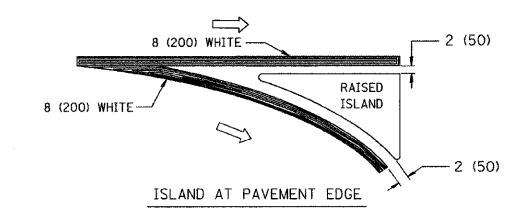
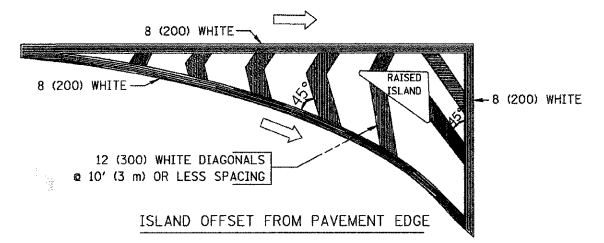
TYPICAL PAINTED MEDIAN MARKING



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

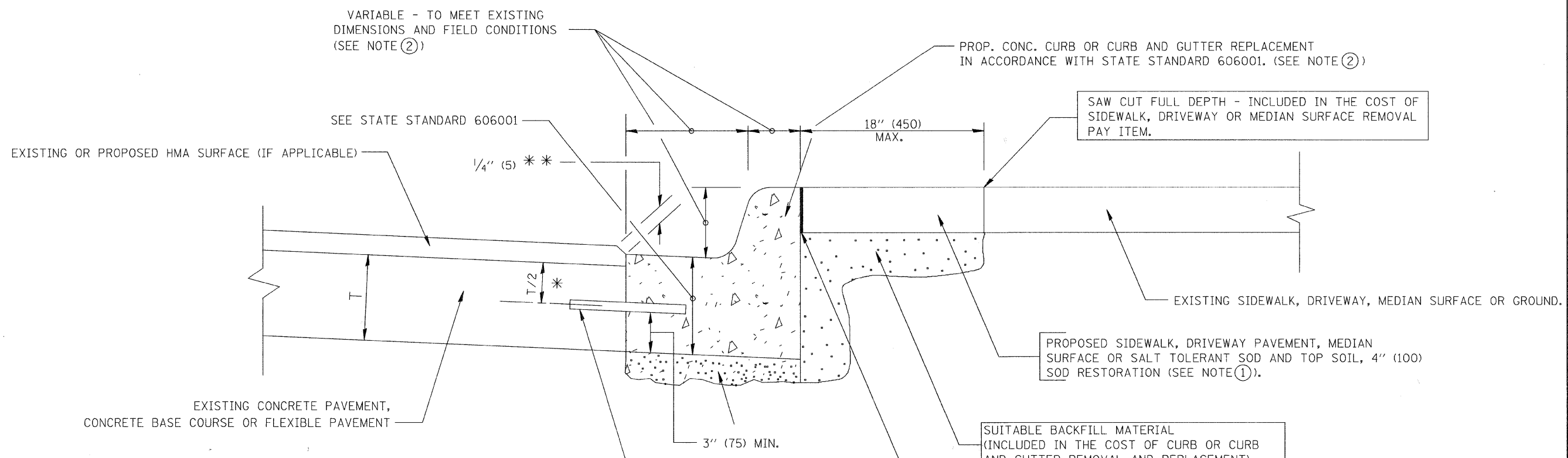


TYPICAL ISLAND MARKING

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	5/2 (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; 5/2 (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 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.



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
 - * * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.
- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SALT TOLERANT SOD AND TOP SOIL, 4" (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

- ② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME = W:\dststd\22x34\bd24.dgn	USER NAME = geglano	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE TYPICAL PAVEMENT MARKINGS	F.A.U. RTE. 1025	SECTION 08-00181-00-RS	COUNTY COOK	TOTAL SHEETS 10	SHEET NO. 10
		DRAWN -	REVISED - A. ABBAS 03-21-97							
		CHECKED -	REVISED - M. GOMEZ 01-22-01							
		DATE - 03-11-94	REVISED - R. BORO 01-01-07							
						SCALE: NONE	SHEET NO. 10 OF 10 SHEETS	STA.	TO STA.	
										FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(180)