# INDEX OF SHEETS

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- 2 SUMMARY OF QUANTITIES & GENERAL NOTES
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- 8-10 DISTRICT 1 STANDARD DETAILS

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

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

**FAU 1703 / 201ST STREET TORRENCE AVENUE TO BURNHAM AVENUE** LOCAL AGENCY PAVEMENT PRESERVATION

STREET RESURFACING

PROJECT: M-9003 (132)

**SECTION NO.: 08-00025-00-RS** 

JOB NO.: C-91-159-09

**VILLAGE OF LYNWOOD** 

**COOK COUNTY** 

# **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
701601-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE, MULTILANE, 1W OR 2W, CROSSWALK
	OR SIDEWALK CLOSURE,
701901-01	TRAFFIC CONTROL DEVICES
790001 02	TVDICAL DAVEMENT MADKINGS

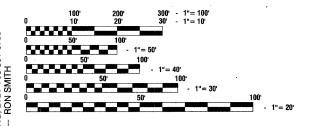
780001-02 TYPICAL PAVEMENT MARKINGS

TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS 781001-03

**DETECTOR LOOP INSTALLATIONS** 

TYPICAL LAYOUT FOR DETECTION LOOPS 886006-01

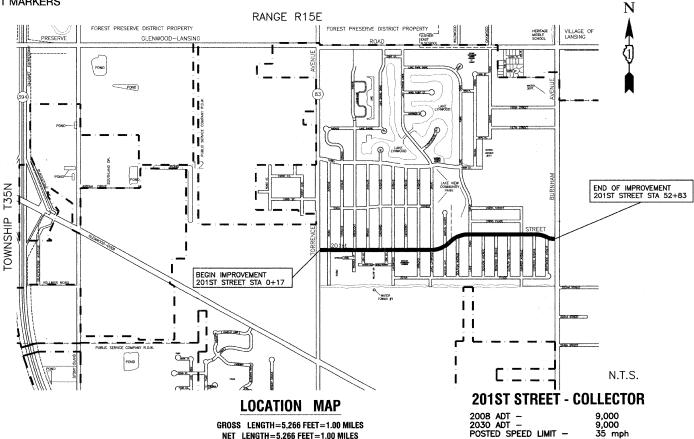
PROFILE HORIZ. - 1"=50" PROFILE VERT. - 1"=5"

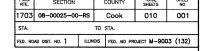


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

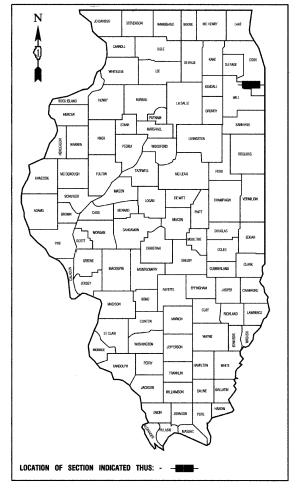
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1 - 800 - 892 - 0123 or 811

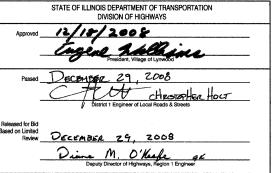
**CONTRACT NO. 63110** 





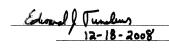
CONTRACT NO. 63110





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:





07585-COVR-01 - C02

ENGINEER: FELDI

	SUMMARY OF QUANTITIES					MARKINGS	L	LANDSCAPE	L	SIGNALS	TRAINING
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	1000	SFTY-1D	CON Y002-1C	Y003	Y030-1E	Y031	Y080
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2200	2200						
	40600895	CONSTRUCTING TEST STRIP	EACH	2	2						
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	950	950						
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1850	1850						
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	22100	22100						
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	700	700						
	44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	10	10						
	44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	25	25						
	44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	450	450						
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	36	36						
	60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1_	1						
	60255500	MANHOLES TO BE ADJUSTED	EACH	4	4						
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	680	680						
	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	3500	3500						
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7000	7000					/	
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	20	20						
	X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	900	900						
						<u></u>	.,				

\* - INDICATES SPECIALTY ITEMS

FILE NAME = 07585-QUAN-01 - IDOT P01	USER NAME =	DESIGNED — RS	REVISED		201ST STREET RESURFACING			SECTION	COUNTY	TOTAL 5	SHEET NO.
	CHECKED RS		REVISED	STATE OF ILLINOIS	TORRENCE AVENUE TO BURNHAM AVENUE		1703	08-00025-00-RS	COOK	010	002
	PLOT SCALE =	DRAWN — PS	REVISED	DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES & GENERAL NOTES	5			CONTRACT		
	PLOT DATE = 12-18-08 CHECKED PS REVISED				SCALE: NONE SHEET NO. 002 OF 010 SHEETS STA. TO S	STA.	FED. ROAD DIS	ST. NO. 1 ILLINOIS FED. AI	PROJECT M-900	J3 (132)	

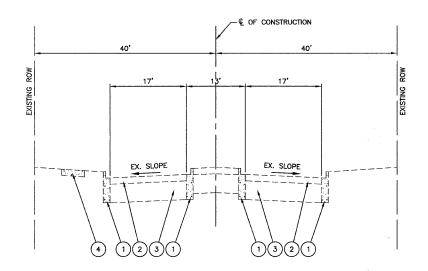
# LEGEND

- 1 EXISTING CURB & GUTTER TO BE REMOVED AT LOCATIONS AS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- 2 HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- $\fbox{3}$  EXISTING BITUMINOUS BASE COURSE TO REMAIN,  $\pm 10^{\prime\prime}$
- 4 EXISTING P.C. CONCRETE SIDEWALK
- 5 HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 1½"
- 6 COMBINATION CONCRETE CURB & GUTTER, B6.12 AT LOCATIONS AS SHOWN ON PLANS OR DIRECTED BY ENGINEER
- 7 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

# HOT-MIX ASPHALT MIXTURE REQUIREMENTS

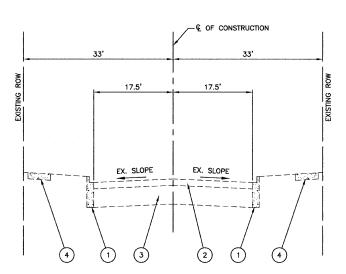
ITEM	AC TYPE	VOIDS				
RESURFACING						
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 (IL-9.5 mm), 1 1/2"	PG 64-22	4% <b>©</b> 50 GYR				
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	SBS/SBR PG 76-28/-22	4% @ 50 GYR				
PATCHING						
CLASS D PATCHES, TYPE II, III, IV, 6"	PG 64-22*	4% <b>©</b> 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



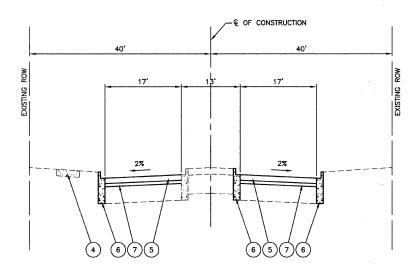
# EXISTING TYPICAL CROSS SECTION

STA. 0+17 TO 2+40



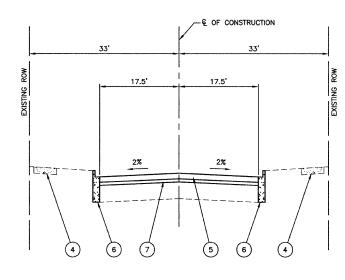
#### **EXISTING TYPICAL CROSS SECTION**

STA. 2+40 TO 52+83



#### PROPOSED TYPICAL CROSS SECTION

STA. 0+17 TO 2+40



#### **EXISTING TYPICAL CROSS SECTION**

STA. 2+40 TO 52+83

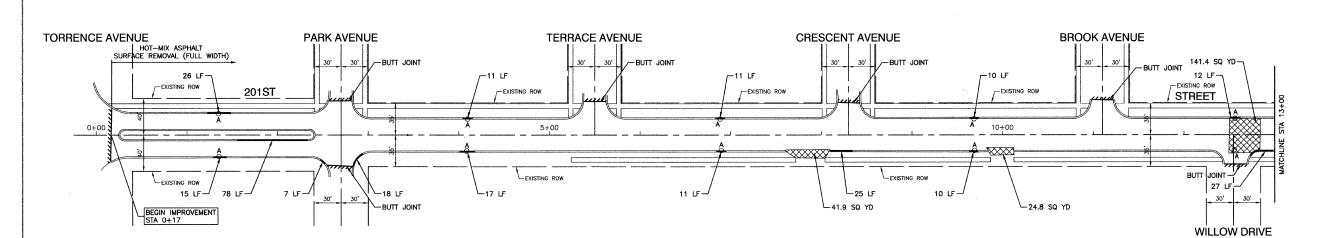
SECTION

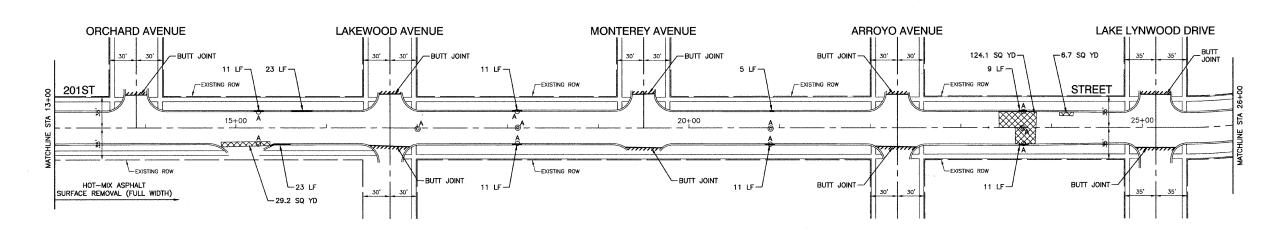
08-00025-00-RS

COOK 010 003

CONTRACT NO. 63110

FILE NAME == 07585-TYPX-01 - IDOT P01	USER NAME =	DESIGNED — RS	REVISED			201ST STREET RESI	URFACING		
		CHECKED — RS	REVISED	STATE OF ILLINOIS		TORRENCE AVENUE TO BURNHAM AVENUE			
	PLOT SCALE =	DRAWN PS	REVISED —	DEPARTMENT OF TRANSPORTATION	100	TYPICAL CROSS SI	SECTIONS		
	PLOT DATE = 12-18-08	CHECKED - PS	REVISED —		SCALE: NONE	SHEET NO. 003 OF 010 SHEETS	STA.	TO STA.	





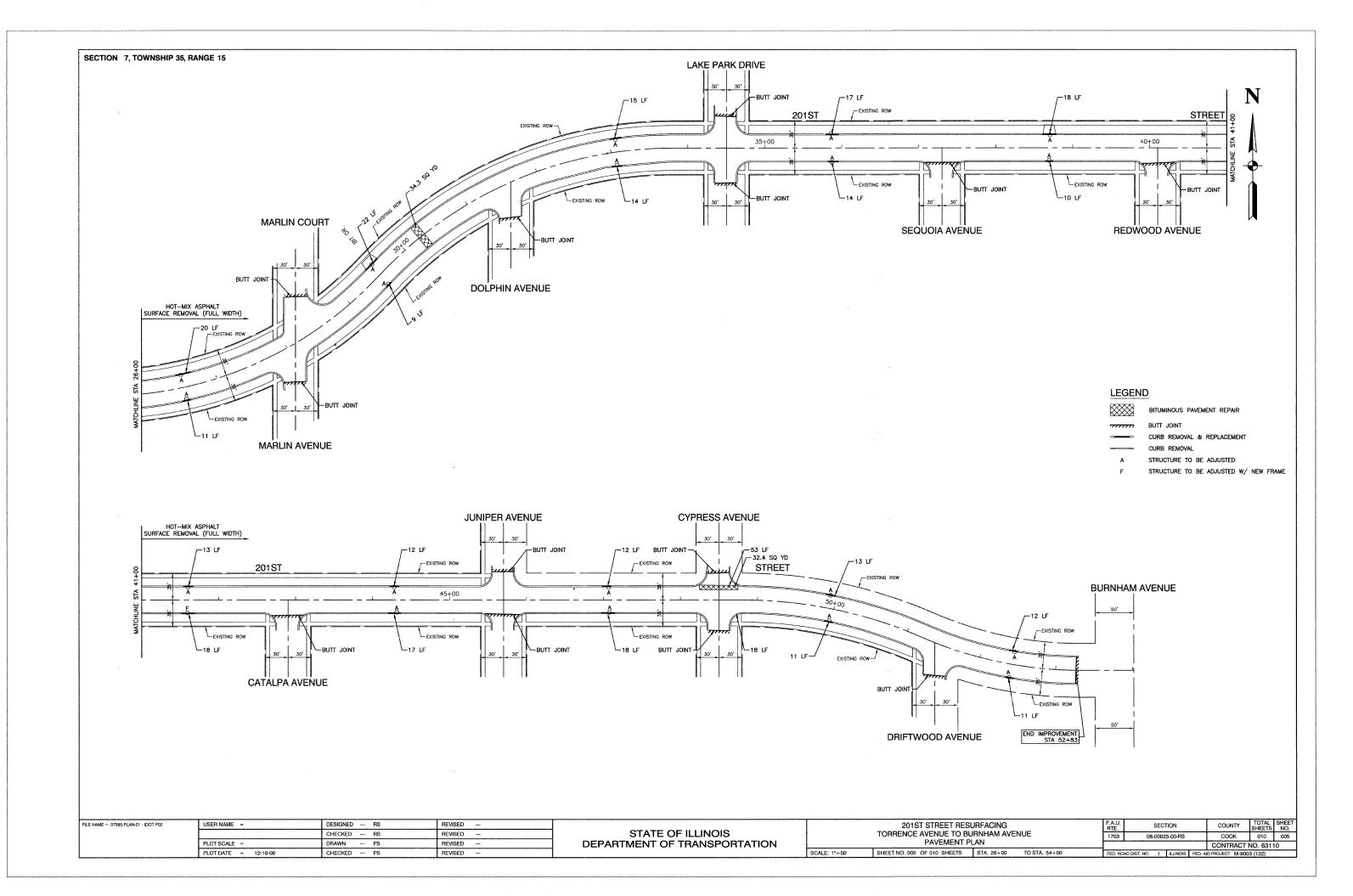
# LEGEND

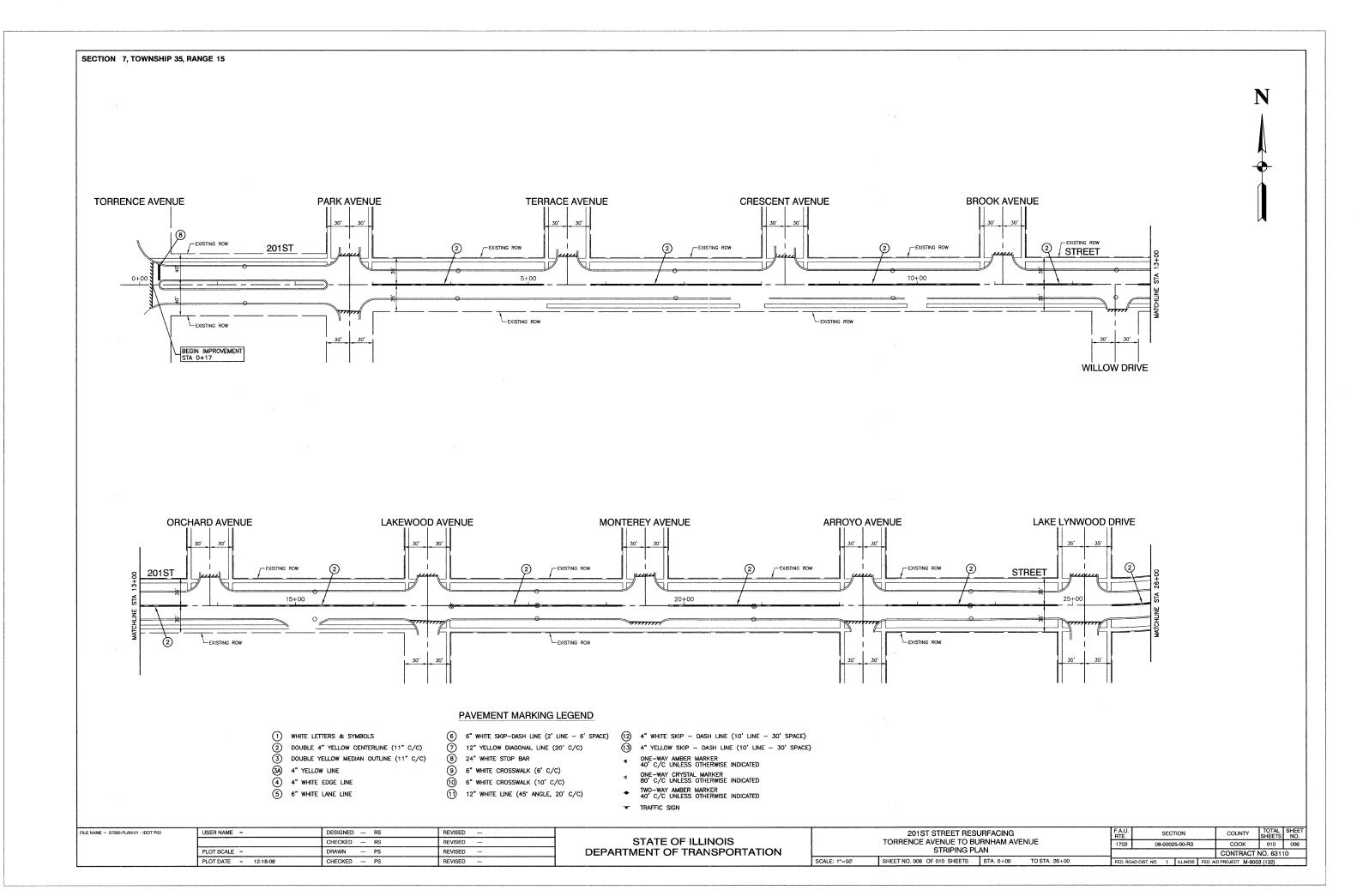
BITUMINOUS PAVEMENT REPAIR BUTT JOINT CURB REMOVAL & REPLACEMENT

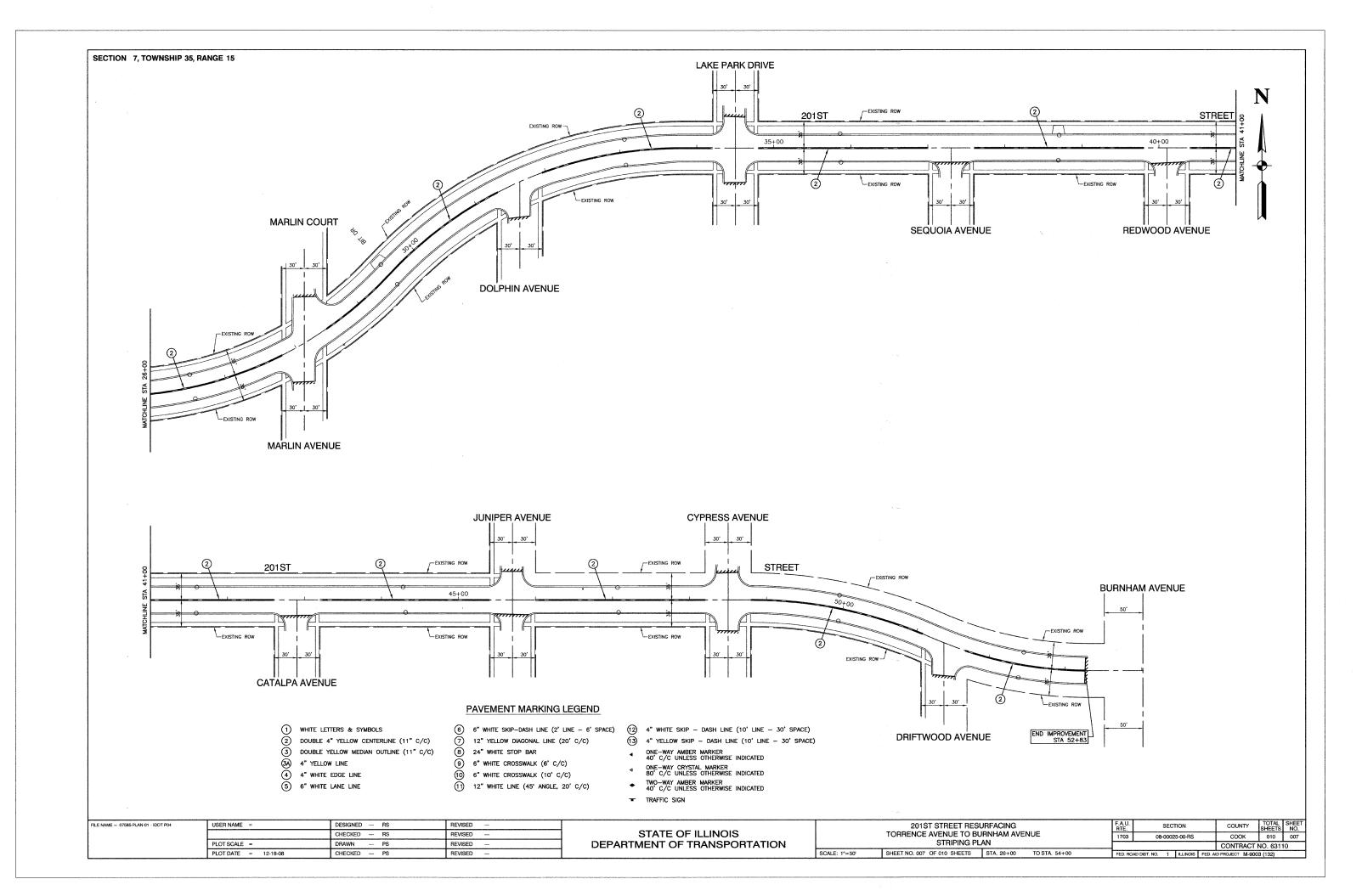
STRUCTURE TO BE ADJUSTED

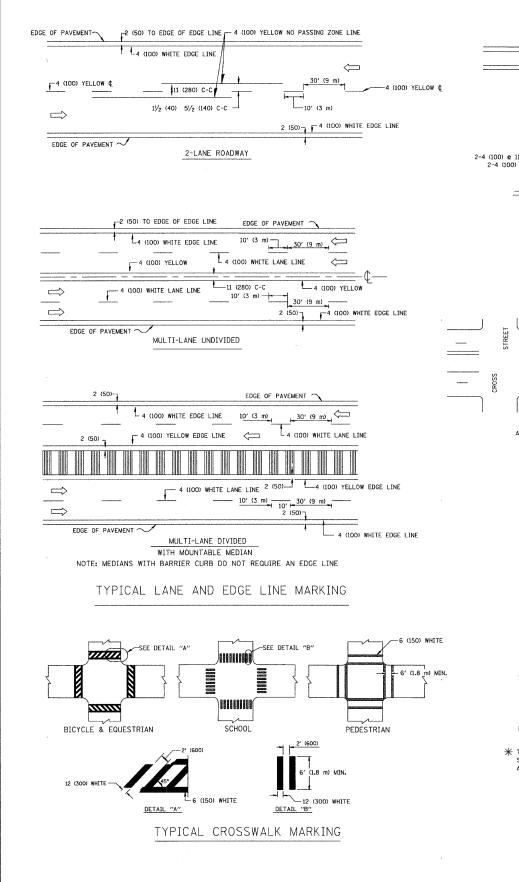
STRUCTURE TO BE ADJUSTED W/ NEW FRAME

FILE NAME ≈ 07585-PLAN-01 - IDOT P01	USER NAME ==	DESIGNED RS	REVISED —			201ST STREET RESURFACIN		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED — RS	REVISED —	STATE OF ILLINOIS	TORRENCE AVENUE TO BURNHAM AVENUE			1703	08-00025-00-RS	соок	010	004
	PLOT SCALE =	DRAWN PS	REVISED —	DEPARTMENT OF TRANSPORTATION		PAVEMENT PLAN				CONTRACT	NO. 63110	5
	PLOT DATE = 12-18-08	CHECKED — PS	REVISED		SCALE: 1"=50' SHEET NO. 004 OF 010 SHEETS STA. 0+00 TO STA. 26+00			FED. ROAD D	IST. NO. 1 ILLINOIS FED. A	ID PROJECT M-90	03 (132)	=



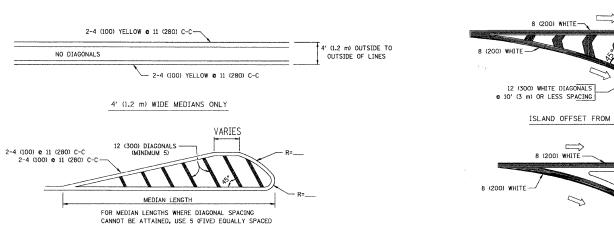






SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME

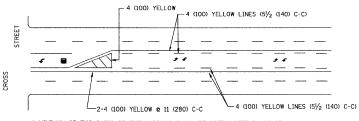
PROFILE NOTE BOOK



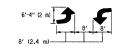
DIAGONAL LINE SPACING: 50′ (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75′ (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 150′ (45 m) C-C (MORE THAN 45MPH (70 km/h))

#### MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINES.

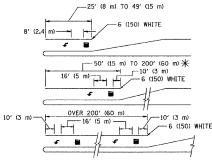


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

#### TYPICAL PAINTED MEDIAN MARKING

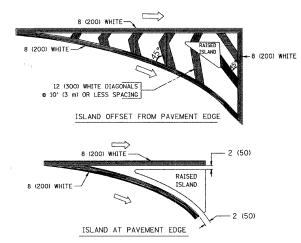


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  $\uparrow$  AREA = 15.6 SO. FT. (1.5 m<sup>2</sup>) AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

\*\* 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 UNDIVEDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	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	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
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 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.
CORE 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 ml 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) <b>e</b> 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 (0VER 45MPH (70 km/h))

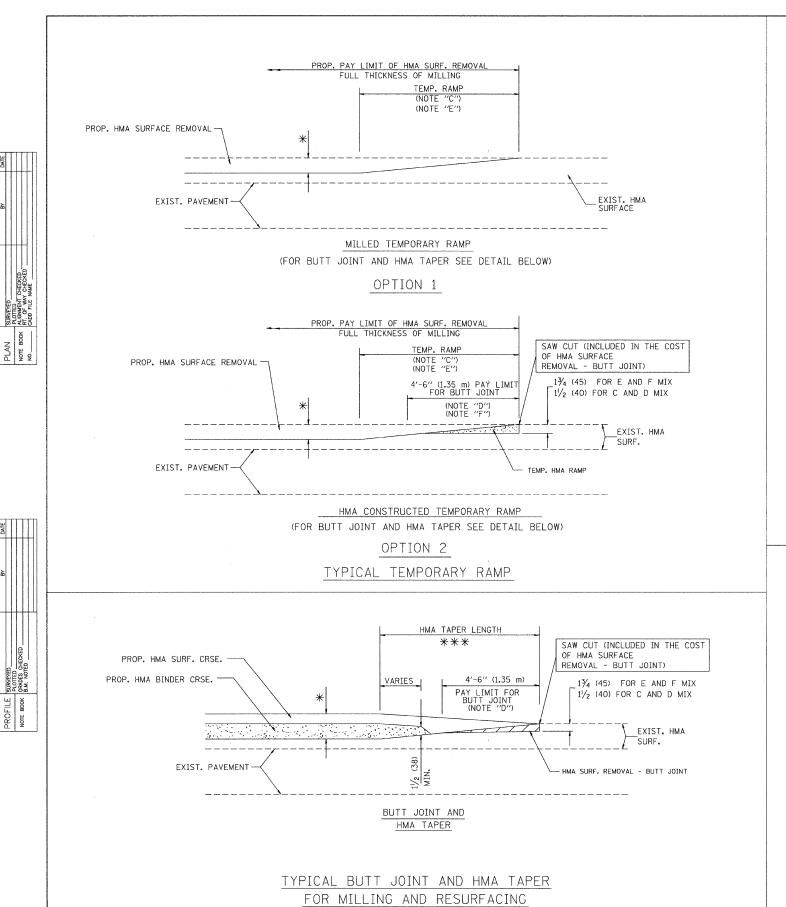
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

FILE NAME =	USER NAME = gaglianobt	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
W:\diststd\22x34\tol3.dgn		DRAWN -	REVISED -A. HOUSEH 10-09-96
07585-DTLS-01 - P03	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -A. HOUSEH 10-17-96
0/363-DIES-01 = F03	PLOT DATE = 1/4/2008	DATE - 03-19-90	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE						F.A.U. RTE. SECTION			COUNTY TOTAL SHEETS		SHEET NO.
	TYPICAL PAVEMENT MARKINGS						1703 08-00025-00-RS			010	800
							TC-13 CONTRACT NO. 63				
SCALE: NONE	SHEET NO. 008 OF 010 SHEETS	STA.	TO STA.		FED. RO.	AD DIST. NO. 1	ILLINOIS FE	ED. AID	PROJECT M-900	3 (132)	



DESIGNED - M. DE YONG

DATE - 06-13-90

DRAWN

CHECKED

REVISED - R. SHAH 10-25-94

REVISED - A. ABBAS 03-21-97

REVISED - M. GOMEZ 04-06-01

REVISED - R. BORO 01-01-07

FILE NAME =

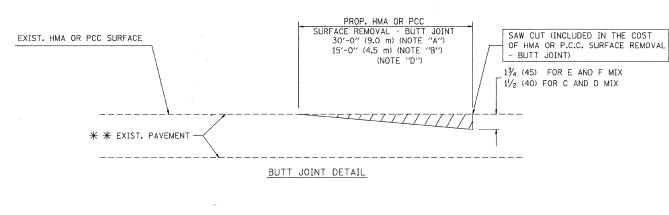
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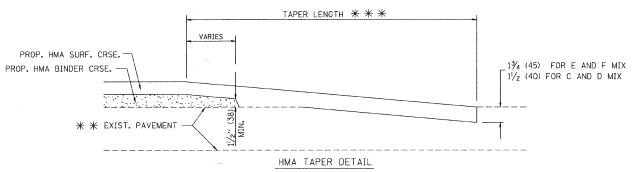
07585-DTLS-01 - P01

USER NAME = gaglianobt

PLOT DATE = 1/4/2008

PLOT SCALE = 50.0000 '/ IN.





# 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.

OTATE OF ULBIOLO		DISTRICTORE					F.A.U. SECTION		TOTAL SHEETS	SHEET NO.
STATE OF ILLINOIS	BUTT JOINT AND					1703 08-00025-00-RS		соок	010	009
DEPARTMENT OF TRANSPORTATION	HMA TAPER DETAILS					BD400-05 BD32		CONTRACT NO. 631		10
	SCALE: NONE	SHEET NO. 009 OF 010 SHEETS	STA.	TO STA.	FED. RO	AD DIST. NO. 1	ILLINOIS FED	AID PROJECT M-900	3 (132)	

