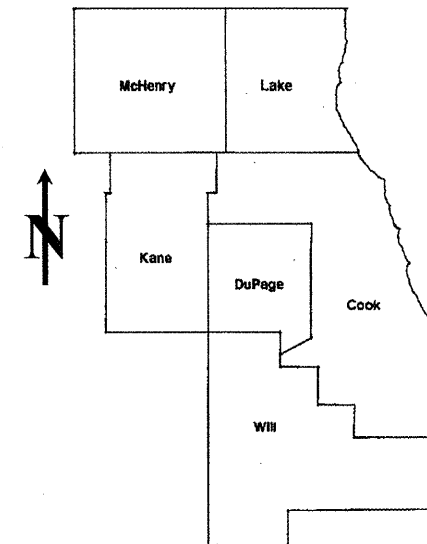


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2008-049 PP	COOK & DUPAGE	12 ²	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT ONE
PROPOSED HIGHWAY PLANS

CONTRACT NO. 60E98
 D-91-555-08



LOCATION OF IMPROVEMENT INDICATED THUS:

FOR INDEX OF SHEETS SEE SHEET 2

VARIOUS ROUTES
 SECTION: 2008-049 PP
 VARIOUS INTERSTATE RAMPS
 PAVEMENT PATCHING
 COOK & DUPAGE COUNTIES
 C-91-555-08

DISTRICT ONE - DESIGN - PLAN PREPARATION ENGINEER:
 KEN ENG / (847) 705-4247

CONTRACT NO. 60E98

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
SUBMITTED:	<u>JUNE 20, 20 08</u>
	<u>Diana M. O'Keefe</u> DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
	<u>June 27, 20 08</u> <u>Eric E. Horn</u> ENGINEER OF DESIGN AND ENVIRONMENT
	<u>June 27, 20 08</u> <u>Christine M. Reed</u> DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

J.U.L.I.E.: JOINT UTILITY LOCATION
INFORMATION FOR EXCAVATION
(312) 744-7000

Rev. 8-27-08

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	GENERAL LOCATION MAP
5-6	PATCHING SCHEDULE
7	BUTT JOINT AND HMA TAPER DETAILS
8	ENTRANCE RAMP CLOSURE DETAILS
9-10	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS
11	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
12	FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

STATE STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001-05	TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401	LANE CLOSURE, FREEWAY/EXPRESSWAY
701901	TRAFFIC CONTROL DEVICES

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "C.U.A.N." (CHICAGO UTILITY ALERT NETWORK) AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES (48 HOUR NOTIFICATION IS REQUIRED).

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE (OR TOLLWAY) PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT (OR ISTHA)

WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISABILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE ENGINEER SHALL CONTACT MR. WALLY CZARNY, AREA TRAFFIC FIELD ENGINEER AT (773) 685-4342 MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

THE EXISTING ROADWAY TYPICAL SECTION IS ASSUMED TO HAVE A 3 INCH HOT-MIX ASPHALT OVERLAY ON TOP OF A TEN INCH CONCRETE BASE.

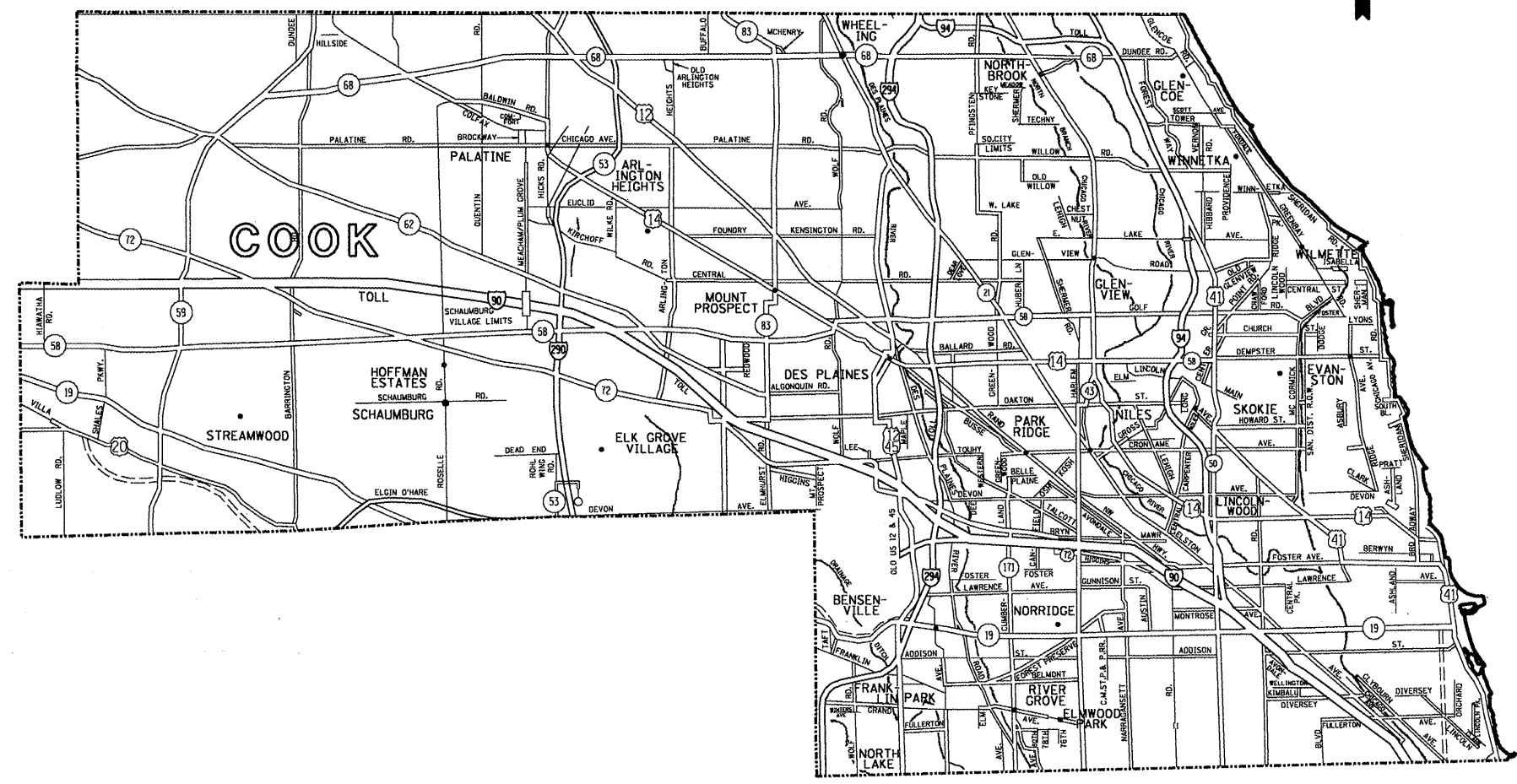
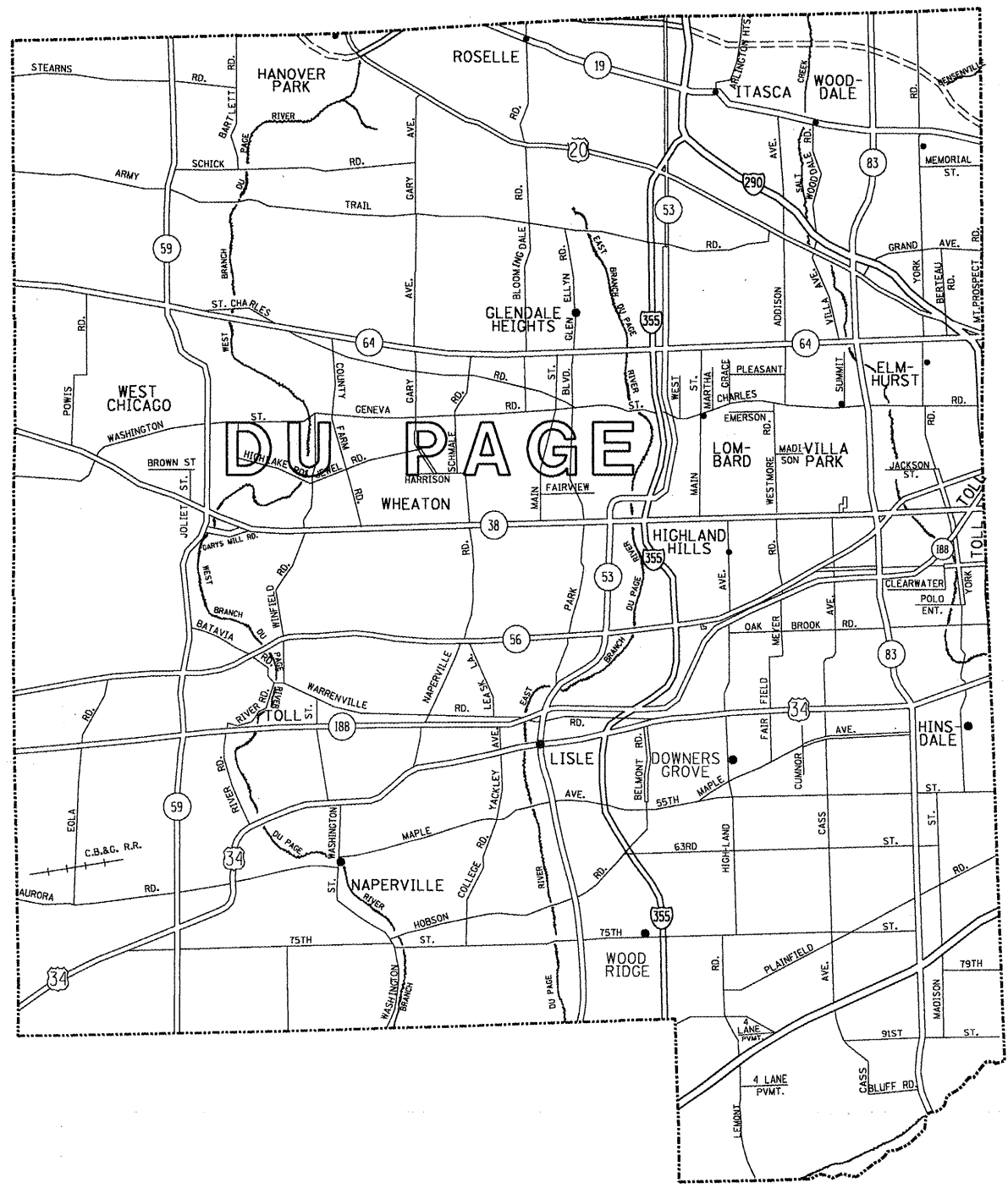
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

	MIXTURE TYPE	AC TYPE	AIR VOIDS (%)
ROADWAY	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 MM), 2"	PG 64-22	4% @ 70 GYR
PATCHES	CLASS D PATCHES, (HMA BINDER IL-25.0 MM)	PG 64-22	4% @ 105 GYR
	NOTE: TOP 2 INCHES OF PATCHES SHALL BE SAME AS SURFACE COURSE:		
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 MM), 2"	PG 64-22	4% @ 70 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.

2 Rev. sheet 8-27-08

FILE NAME =	USER NAME = wilgreendp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
es:\projects\dl36508\design_aa.dgn		DRAWN -	REVISED -			VAR.	2008-049 PP	COOK & DUPAGE	12	2	
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 60E98					
PLOT DATE = 8/15/2008		DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.



Rev. Sheet 8-27-08

FILE NAME = c:\projects\136508\design_aa.dgn	USER NAME = wilgreenp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL LOCATION MAP - COOK & DUPAGE COUNTIES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -			VAR.	2008-049 PP	COOK & DUPAGE	12	4
PLOT DATE = 8/15/2008	CHECKED -	REVISED -	REVISED -	SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60E98		
	DATE -	REVISED -	REVISED -							

LOCATIONS FOR INTERSTATE 290	REPAIR LENGTH (FT)	REPAIR WIDTH (FT)	REPAIR AREA (SF)	REPAIR AREA (SY)	SURFACE TYPE	REPAIR WORK
WB IL 64 (NORTH AVE) ENTRANCE RAMP TO EB I-290	4	12	48	5	HMA	HMA SURF REM & RESURF
	4	12	48	5	HMA	HMA SURF REM & RESURF
	4	12	48	5	HMA	HMA SURF REM & RESURF
	12	12	144	16	PCC	CLASS D PATCH
WB I-290 EXIT RAMP TO LAKE STREET	4	12	48	5	PCC	CLASS D PATCH
	4	12	48	5	PCC	CLASS D PATCH
WB YORK ROAD ENTRANCE RAMP TO WB I-290	15	20	300	33	HMA	HMA SURF REM & RESURF
WB 25TH AVE ENTRANCE RAMP TO WB I-290	4	12	48	5	HMA	HMA SURF REM & RESURF
SB IL 83 TO EB I-290 (LONG ARM)	12	50	600	67	HMA	HMA SURF REM & RESURF

LOCATIONS FOR INTERSTATE 290 / INTERSTATE 355 / IL 53	REPAIR LENGTH (FT)	REPAIR WIDTH (FT)	REPAIR AREA (SF)	REPAIR AREA (SY)	SURFACE TYPE	REPAIR WORK
THORNDALE AVE ENTRANCE RAMP TO EB I-290	300	12	3600	400	HMA	HMA SURF REM & RESURF
LAKE STREET ENTRANCE RAMP TO NB I-355	100	12	1200	133	HMA	HMA SURF REM & RESURF
SB I-355 TO WB LAKE STREET EXIT RAMP	120	12	1440	160	HMA	HMA SURF REM & RESURF
NB IL 53 TO NORTHWEST HWY EXIT RAMP	6	12	72	8	HMA	HMA SURF REM & RESURF
	6	12	72	8	HMA	HMA SURF REM & RESURF
NORTHWEST HWY ENTRANCE RAMP TO SB IL 53	5	12	60	7	HMA	HMA SURF REM & RESURF
	5	12	60	7	HMA	HMA SURF REM & RESURF
RAND ROAD ENTRANCE RAMP TO SB IL 53	6	12	72	8	HMA	HMA SURF REM & RESURF
	6	12	72	8	HMA	HMA SURF REM & RESURF
	6	12	72	8	HMA	HMA SURF REM & RESURF
WB I-290 TO THORNDALE AVE EXIT RAMP	300	12	3600	400	HMA	HMA SURF REM & RESURF

Rev. Sheet B-27-08

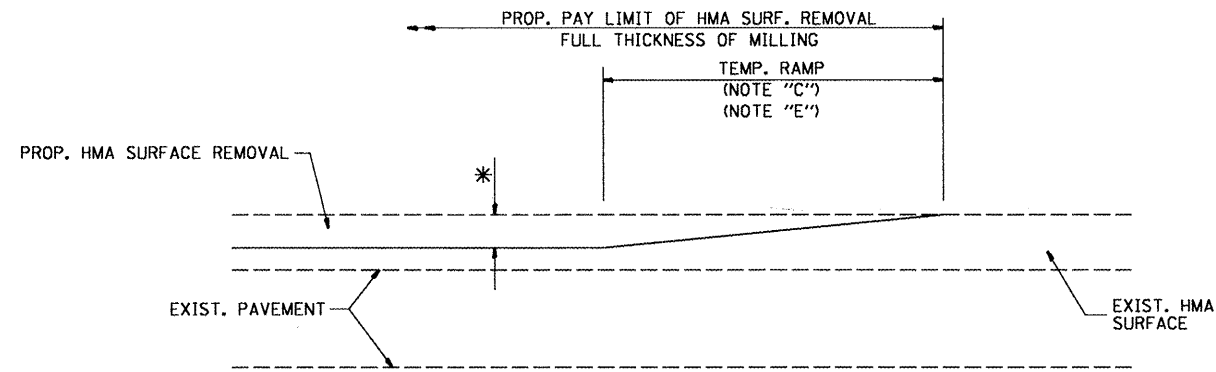
FILE NAME = e:\projects\dl35508\design_aa.dgn	USER NAME = wilgreendp	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PATCHING SCHEDULE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	VAR.					2008-049 PP	COOK & DUPAGE	12	5	
PLOT DATE = 8/15/2008	DATE -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60E98	

LOCATIONS FOR INTERSTATE 90 (KENNEDY EXPY)	REPAIR LENGTH (FT)	REPAIR WIDTH (FT)	REPAIR AREA (SF)	REPAIR AREA (SY)	SURFACE TYPE	REPAIR WORK
WB FOSTER AVENUE ENTRANCE RAMP TO I-90	100	12	1200	133	HMA	HMA SURF REM & RESURF
SB CUMBERLAND AVER AMP TO WB I-90	250	12	3000	333	HMA	HMA SURF REM & RESURF
EB I-90 RAMP TO AUSTIN AVENUE	70	12	840	93	PCC	CLASS D PATCH

LOCATIONS FOR INTERSTATE 190	REPAIR LENGTH (FT)	REPAIR WIDTH (FT)	REPAIR AREA (SF)	REPAIR AREA (SY)	SURFACE TYPE	REPAIR WORK
WB I-190 EXIT RAMP TO RIVER ROAD	125	12	1500	167	HMA	HMA SURF REM & RESURF
RIVER ROAD ENTRANCE RAMP TO WB I-190	100	12	1200	133	HMA	HMA SURF REM & RESURF

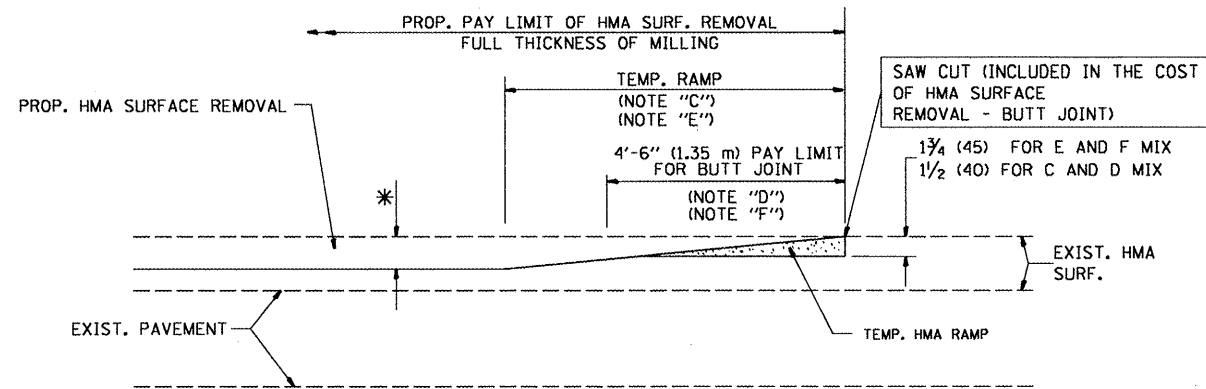
2 Rev. Sheet 8-27-08

FILE NAME = c:\projects\dl136508\design_aa.dgn	USER NAME = wjgreendp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PATCHING SCHEDULE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	VAR.			2008-049 PP	COOK & DUPAGE	12	6	
PLOT DATE = 8/15/2008	DATE -	REVISED -	CONTRACT NO. 60E98							
						SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT



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

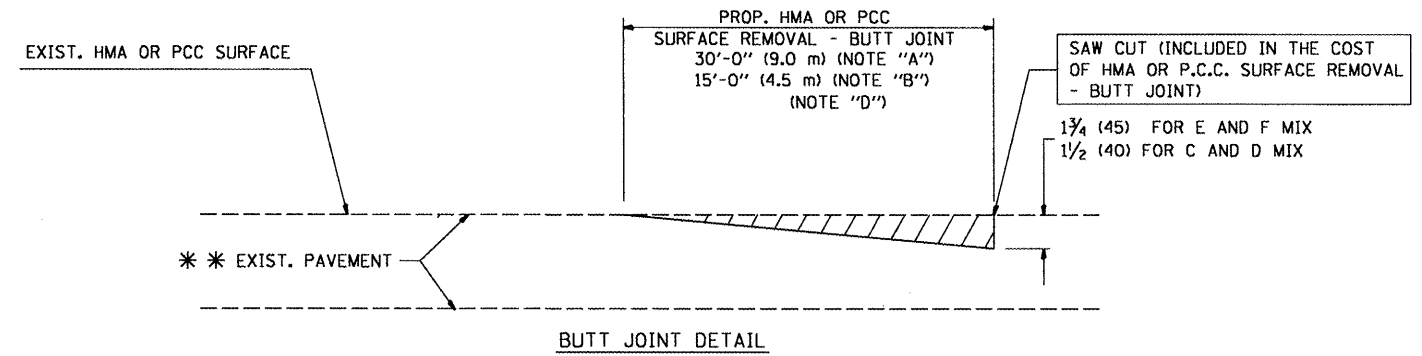
OPTION 1



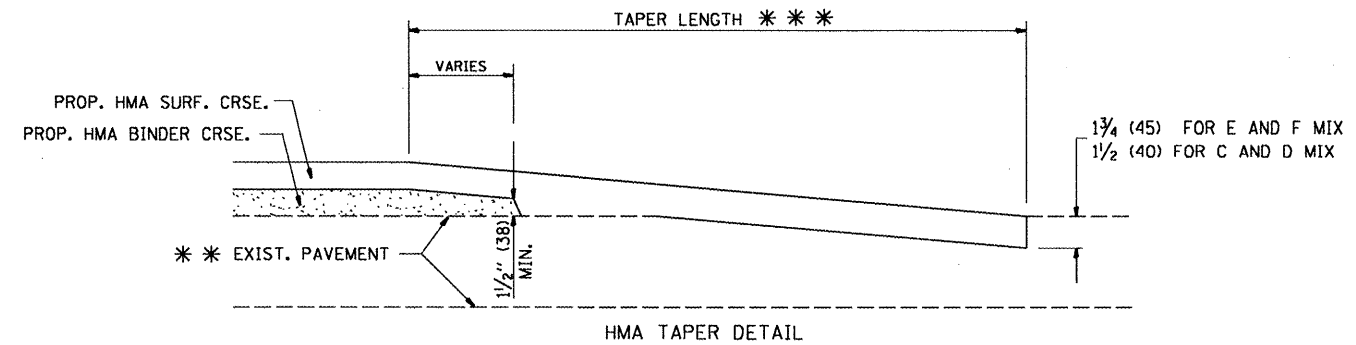
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



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.

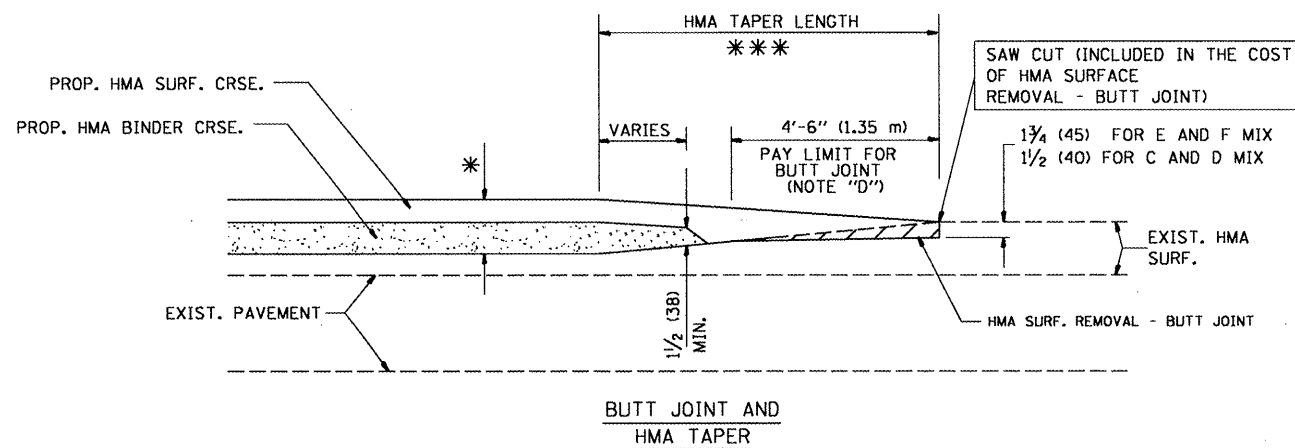
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

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".

Rev. Sheet 8-27-08

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

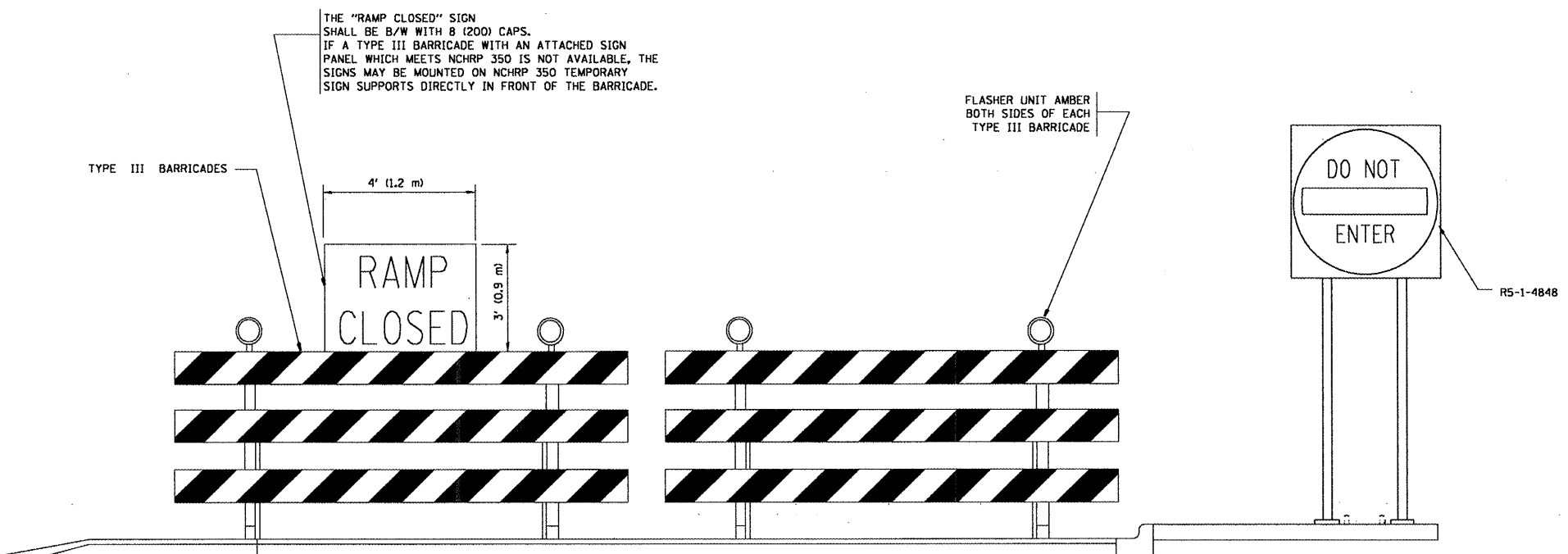
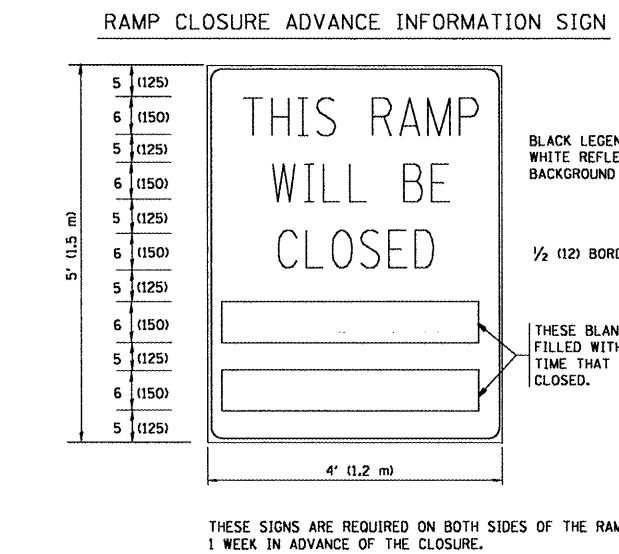
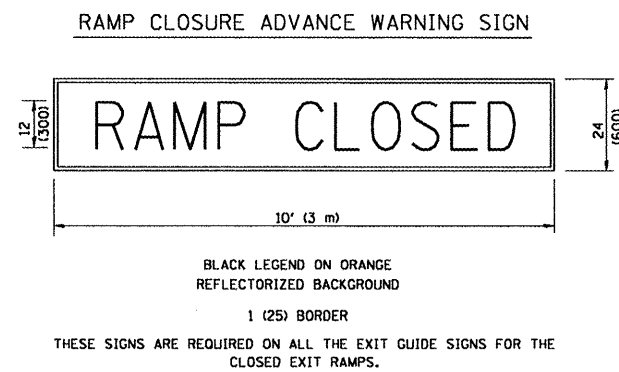
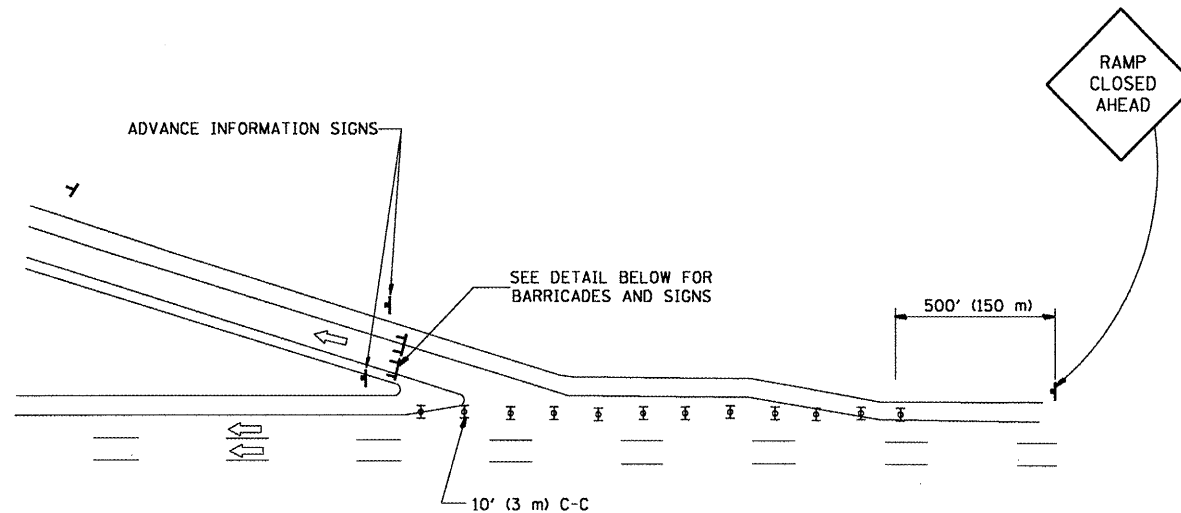
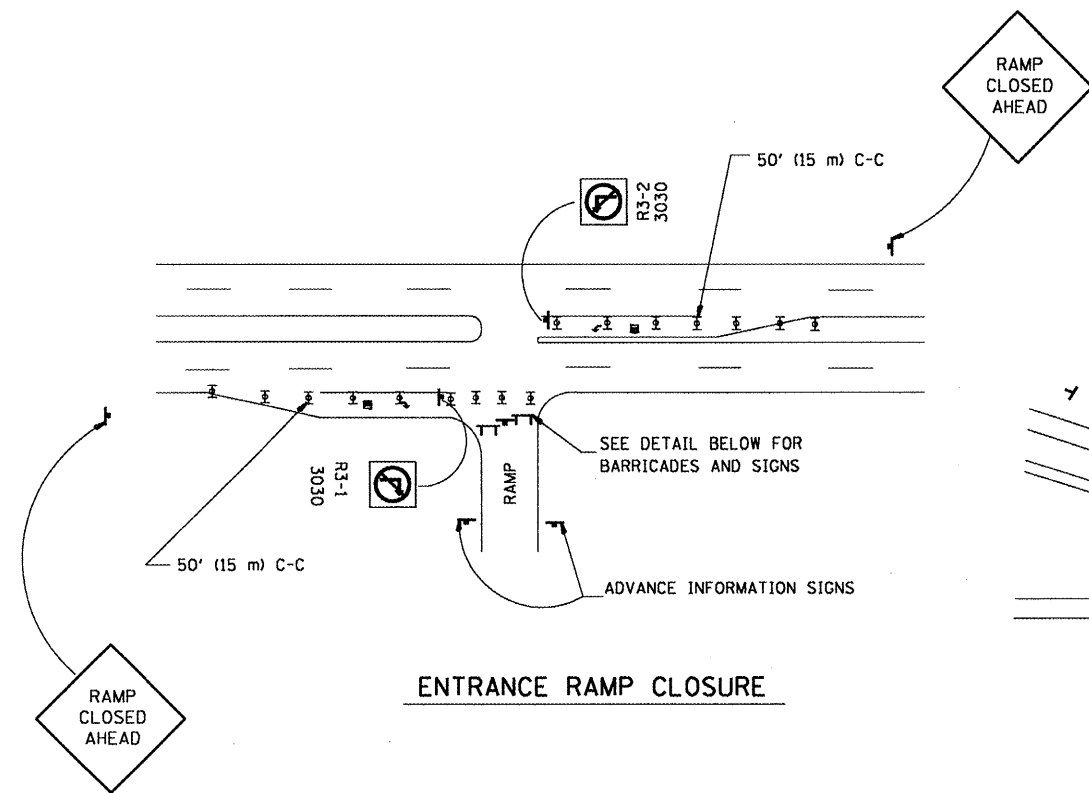
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2008-049 PP	COOK & DUP.	12	7
BD400-05 BD32			CONTRACT NO. 60E98	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME =	USER NAME = wilgreendp	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
\\dist\ntfs2\users\wilgreendp\Desktop\Ramp Details\bd32.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 99.9998' / IN.		CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 8/15/2008		DATE - 06-13-90	REVISED - R. BORO 01-01-07



THE "RAMP CLOSED" SIGN SHALL BE B/W WITH 8 (200) CAPS. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS DIRECTLY IN FRONT OF THE BARRICADE.

FLASHER UNIT AMBER BOTH SIDES OF EACH TYPE III BARRICADE

SYMBOLS

- ▬ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- ⊠ TYPE III BARRICADE WITH FLASHING LIGHT

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

GENERAL NOTES:

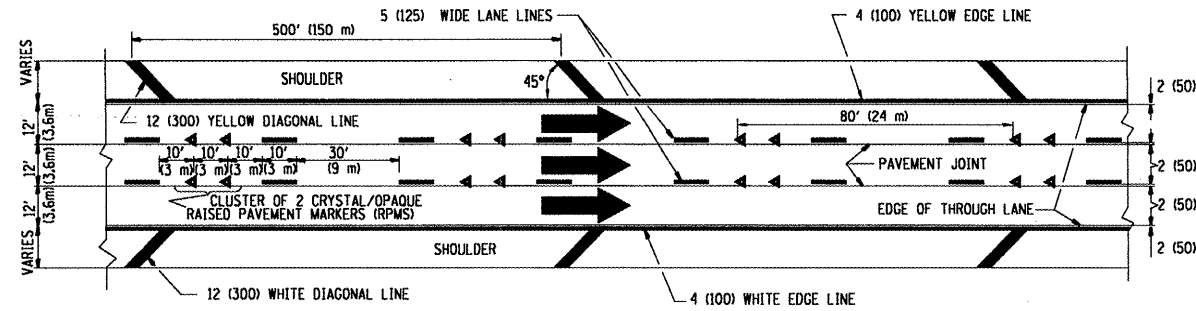
1. CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
2. STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
3. A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
4. ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
5. THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
7. THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY FOUR (24) HOURS IN LENGTH.

Rev. Sheet 8-27-08

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

FILE NAME =	USER NAME = wilgreendp	DESIGNED - DWS	REVISED - DWS 12-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FREWAY ENTRANCE AND EXIST RAMP CLOSURE DETAILS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\dist\inf\2\users\wilgreendp\Desktop\Ramp Details\to08.dgn		DRAWN -	REVISED - DWS/JAF 12-02		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	VAR. 2008-049 PP	COOK & DUP.	12	8
		PLOT SCALE = 100.0000' / IN.	REVISED - JAF 02-06						TC-08		CONTRACT NO. 60E98	
		PLOT DATE = 8/15/2008	REVISED - SPB 01-07						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

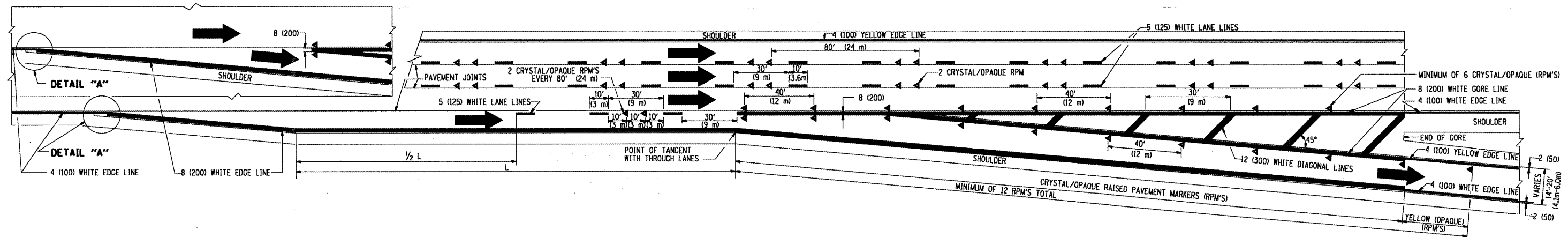
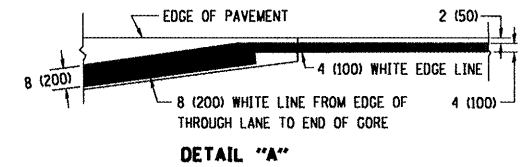
THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH
 THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH



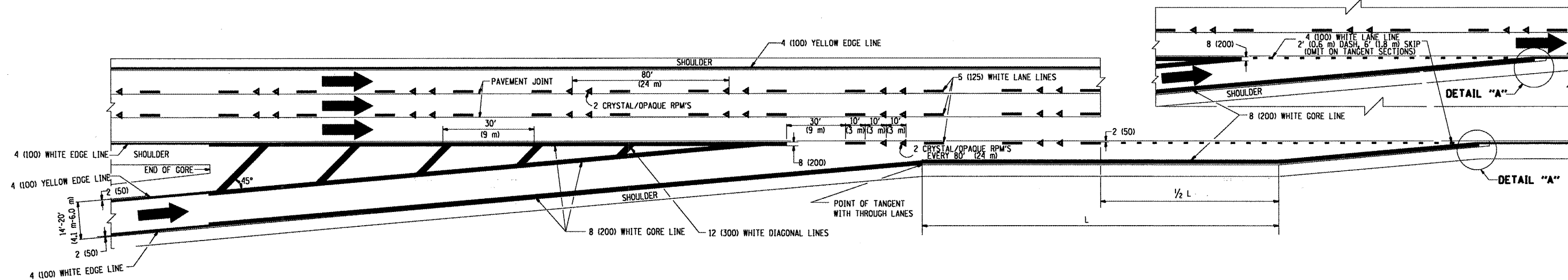
TYPICAL EDGE LINES & LANE LINES

NOTES:

1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE SHALL BE USED FOR ALL LANE LINES ON BITUMINOUS PAVEMENT
3. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC



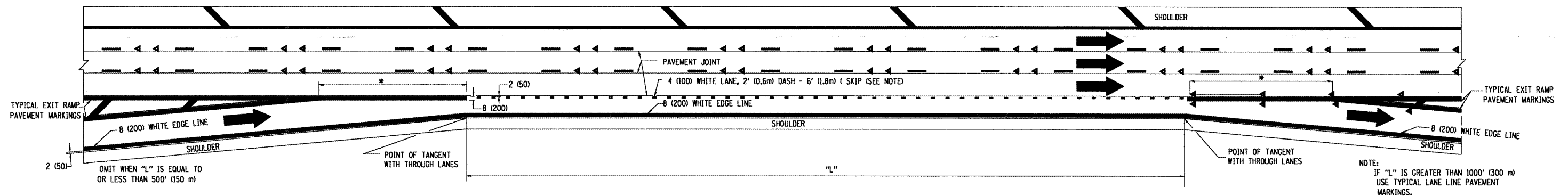
TYPICAL EXIT RAMP PAVEMENT MARKINGS



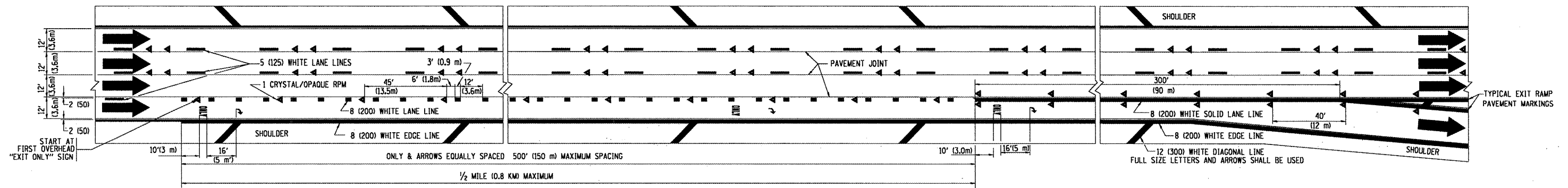
TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS

2 Rev. Sheet 8-27-08

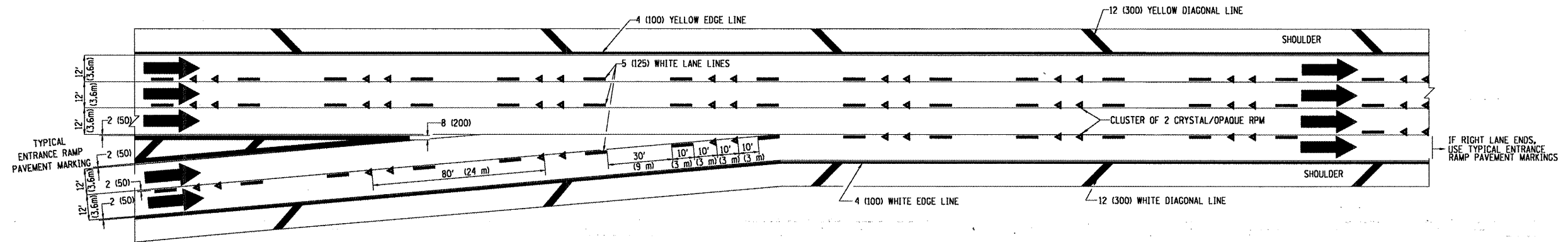
FILE NAME = \\desktop\fa2\users\wilgreendp\Desktop\Ramp Details\tcl2.dgn	USER NAME = wilgreendp	DESIGNED - D.W.S.	REVISED - A.H. 03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS		F.A. RTE. VAR.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 1/8" = 1'-0"	PLOT DATE = 8/15/2008	CHECKED -	REVISED - J.A.F. 02-06		SCALE: NONE	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	2008-049 PP	COOK & DUP.	12	9
		DATE - 01-90	REVISED - S.P.B. 01-07						TC-12	CONTRACT NO. 60E98		
									FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	



TYPICAL ENTRANCE/EXIT RAMP COMBINATION PAVEMENT MARKINGS



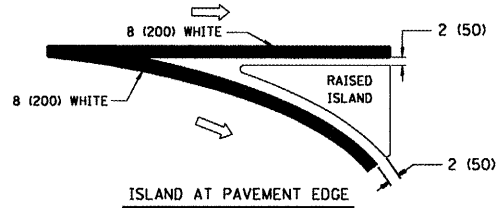
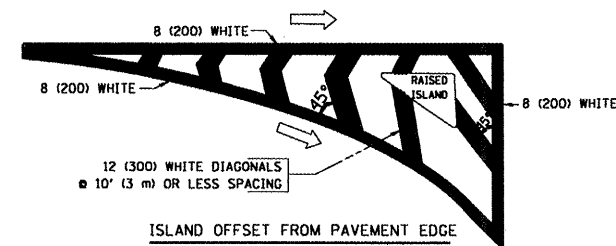
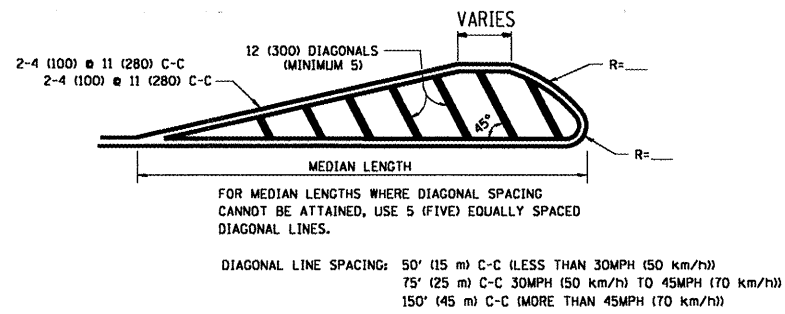
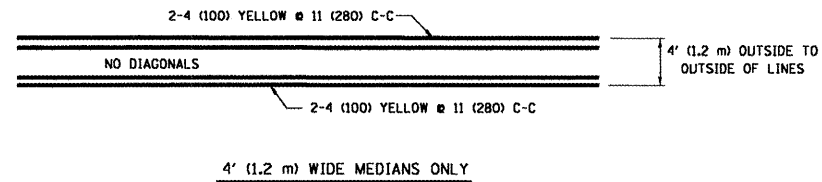
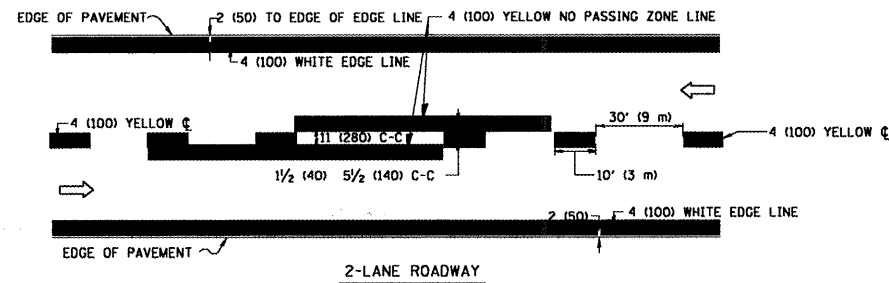
TYPICAL EXIT ONLY LANE PAVEMENT MARKINGS



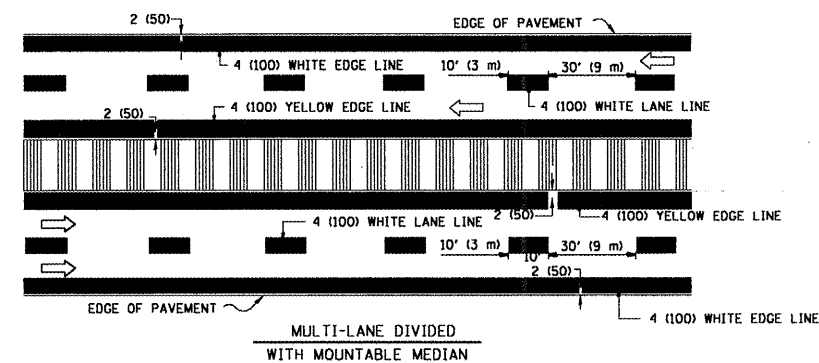
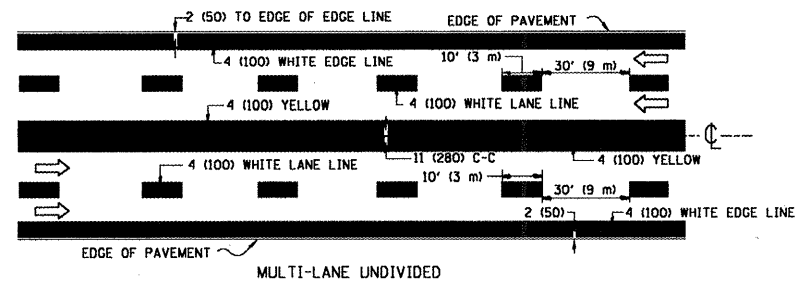
TYPICAL TWO LANE ENTRANCE RAMP PAVEMENT MARKINGS

Rev. Sheet 8-27-08

FILE NAME = \\dist1\rf2\users\wilgreendp\Desktop\Ramp Details\to12.dgn	USER NAME = wilgreendp	DESIGNED - D.W.S.	REVISED - A.H. 03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 100.000' / IN.	CHECKED -	REVISED - D.W.S. 07-96		SCALE: NONE	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	VAR.	2008-049 PP	COOK & DUP.	12	10
	PLOT DATE = 8/15/2008	DATE - 01-90	REVISED - J.A.F. 02-06							TC-12	CONTRACT NO. 60E98		
			REVISED - S.P.B. 01-07							FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	

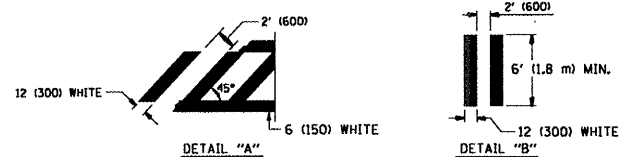
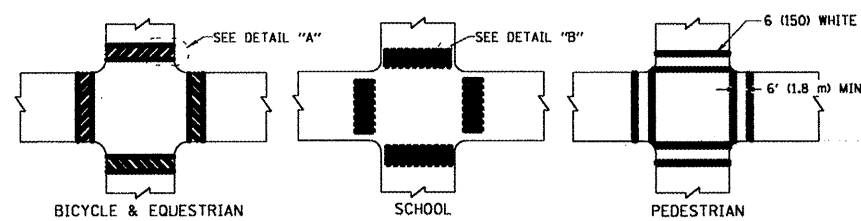


TYPICAL ISLAND MARKING

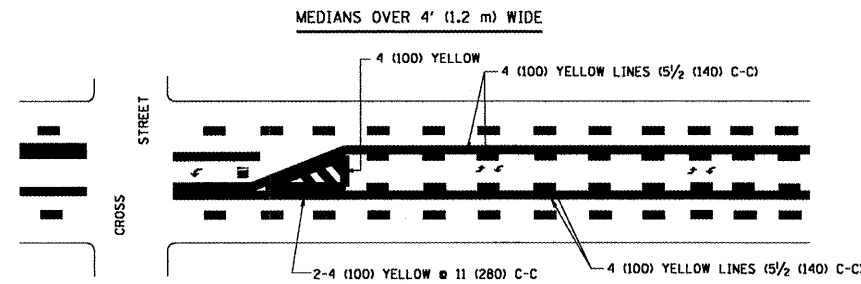


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

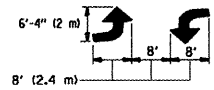
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

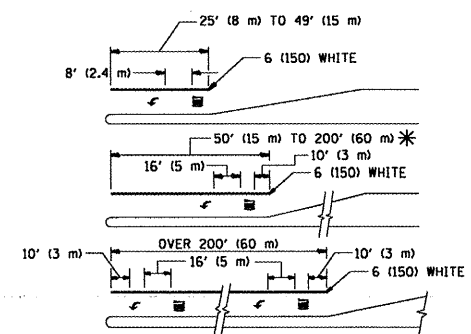


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



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

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"=3.5 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.

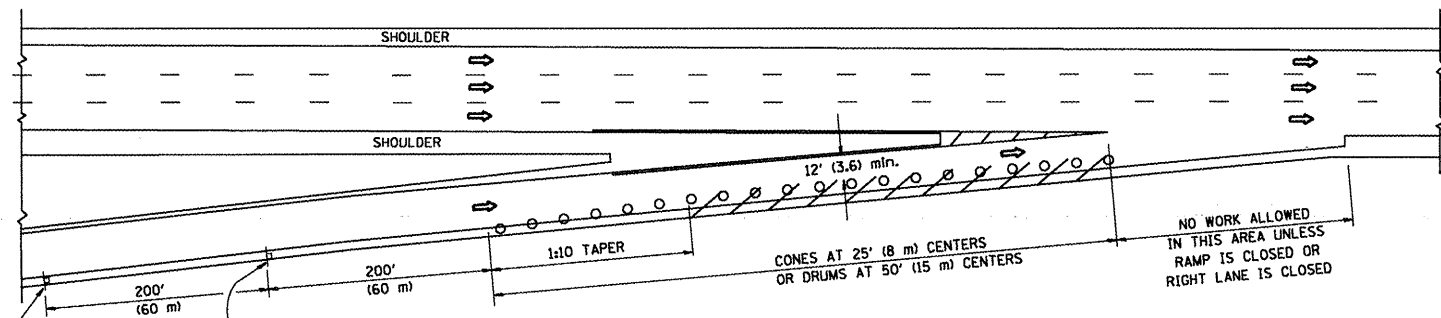
All dimensions are in inches (millimeters) unless otherwise shown.

2 Rev. Sheet 8-27-08

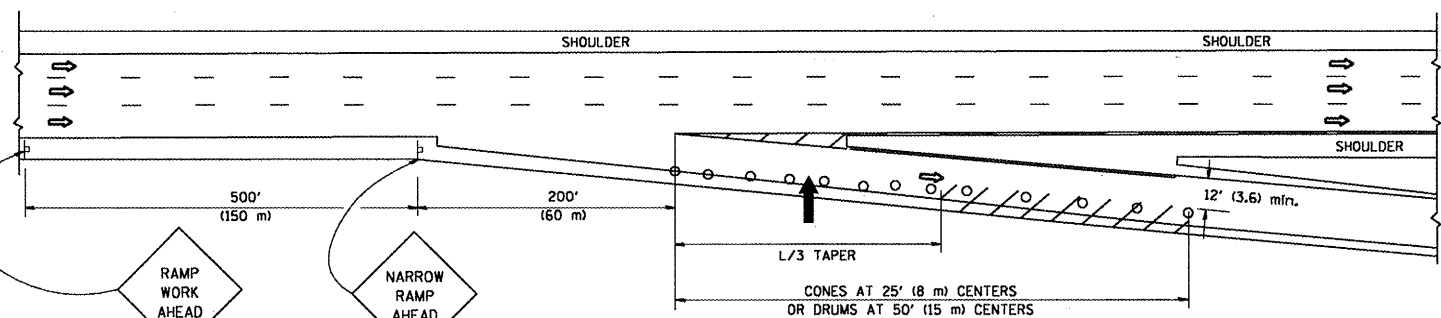
FILE NAME = \\dist\ntf\fa2\users\wilgreendp\Desktop\Ramp Details\to13.dgn	USER NAME = wilgreendp	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE TYPICAL PAVEMENT MARKINGS	F.A. RTE. 1	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1/8" = 1'-0"	PLOT DATE = 8/15/2008	DRAWN -	REVISED -A. HOUSEH 10-09-96			VAR.	2008-049 PP	COOK & DUP.	12	11
		CHECKED -	REVISED -A. HOUSEH 10-17-96			TC-13		CONTRACT NO. 60E98		
		DATE - 03-19-90	REVISED -T. RAMMACHER 01-06-00			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS

PARTIAL RAMP CLOSURE DETAILS

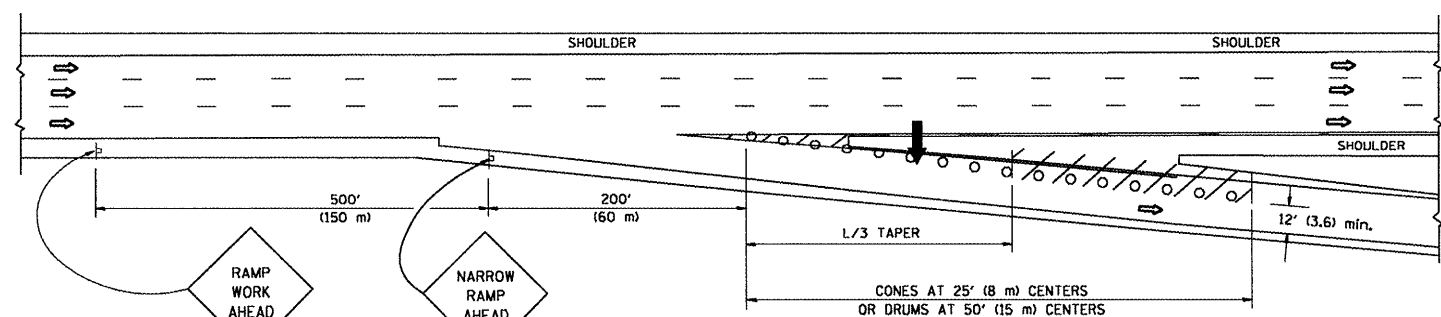
SHOULDER CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

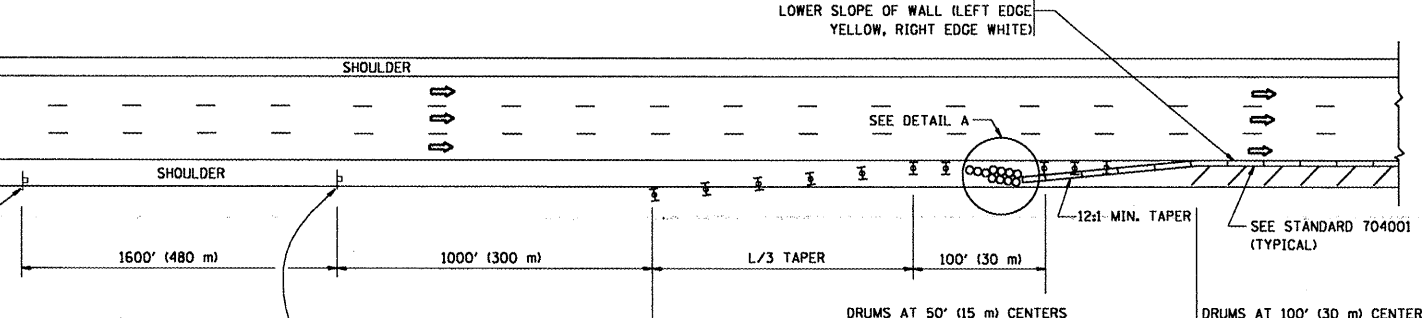
- ➔ ARROWBOARD
- ▨ WORK AREA
- ┌ SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- ⊕ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

GENERAL NOTES

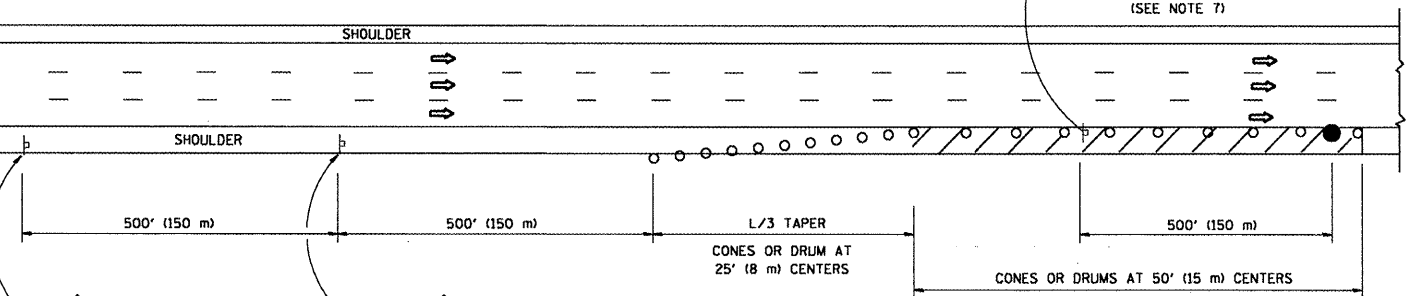
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L=0.65(W)(S)$ $L=(W)(S)$

W = WIDTH OF OFFSET IN FEET (METERS)
 S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.



PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350 COMPLIANT FOR POSTED SPEED.

DETAIL "A"
 IMPACT ATTENUATOR, TEMPORARY
 (SEE NOTE 5)

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

Rev. Sheet 8-27-08

FILE NAME =	USER NAME = wilgreendp	DESIGNED -	REVISED - J.A.F. 12-02	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\distintfa2\users\wilgreendp\Desktop\mp_Details\tel7.dgn	DRAWN - D.W.S.	REVISED - 04-03	VAR.			2008-049 PP	COOK & DUP.	12	12	
PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED - J.A.F. 12-06	TC-17			CONTRACT NO. 60E98				
PLOT DATE = 8/15/2008	DATE - 11-96	REVISED - S.P.B. 01-07	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT