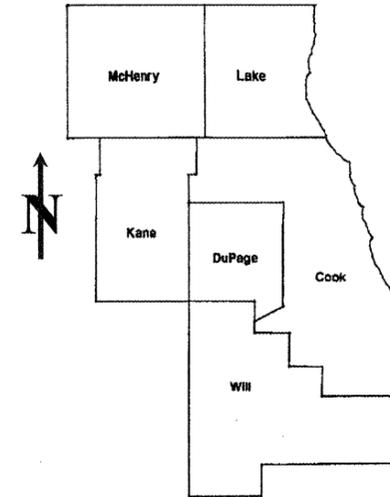


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-029 PP	COOK & LAKE	19	1

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

CONTRACT NO. 60G28

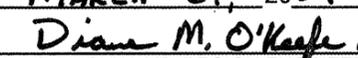
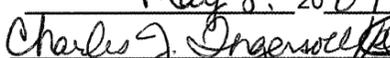
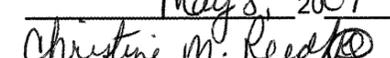
D-91-359-09



LOCATION OF IMPROVEMENT INDICATED THUS: 

VARIOUS ROUTES
 SECTION: 2009-029 PP
 VARIOUS INTERSTATE RAMPS AND MAINLINE
 PAVEMENT PATCHING
 COOK & LAKE COUNTIES
 C-91-359-09

FOR INDEX OF SHEETS SEE SHEET 2

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS
SUBMITTED: <u>MARCH 24, 2009</u>  DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
<u>May 8, 2009</u>  ENGINEER OF DESIGN AND ENVIRONMENT
<u>May 8, 2009</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

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

CONTRACT NO. 60G28

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	SUMMARY OF PATCHING SCHEDULE
6-13	PATCHING SCHEDULE
14	BUTT JOINT AND HMA TAPER DETAILS
15	FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS
16	FREEWAY SINGLE & MULTI-LANE WEAVE
17-18	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS
19	FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

STATE STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001-05	TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS
701101-02	OFF-RD. OPERATIONS, MULTILANE
701400-03	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-05	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-05	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP
701426-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION
701446-01	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701901-01	TRAFFIC CONTROL DEVICES

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

	<u>MIXTURE TYPE</u>	<u>AC TYPE</u>	<u>AIR VOIDS (%)</u>
FOR USE ON HMA SURFACES	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90 (IL 9.5 MM), 2"	PG 64-22	4% @ 90 GYR
FOR USE ON PCC SURFACES	CLASS D PATCHES, (HMA BINDER IL-25.0 MM)	PG 64-22	4% @ 105 GYR

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

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) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

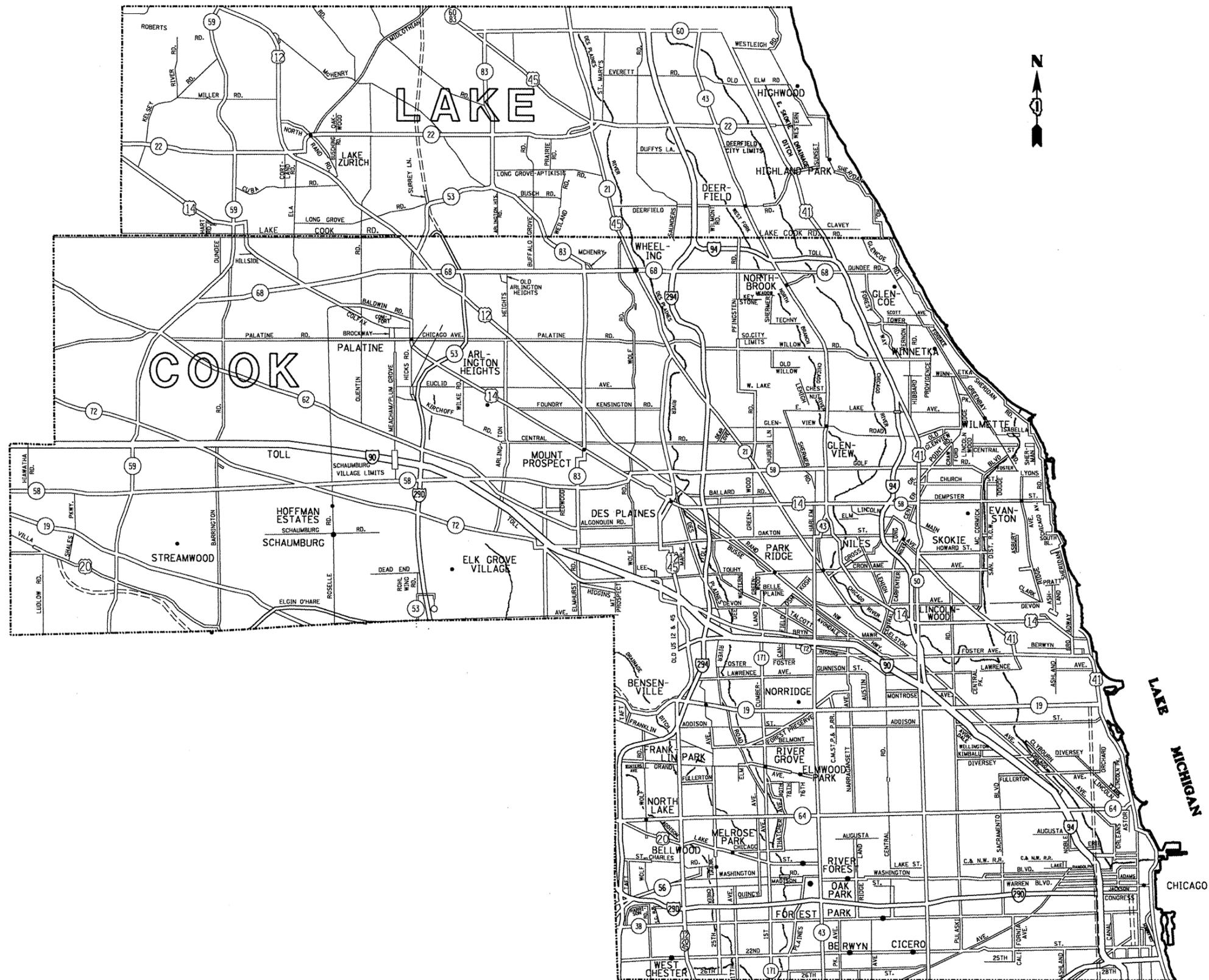
THE ENGINEER SHALL CONTACT MR. WALLY CZARNY, AREA TRAFFIC FIELD ENGINEER AT (773) 685-8386 MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

THE EXISTING ROADWAY TYPICAL SECTION FOR HOT-MIX ASPHALT SURFACES IS ASSUMED TO HAVE A 3 INCH HOT-MIX ASPHALT OVERLAY ON TOP OF A TEN INCH CONCRETE BASE. THE EXISTING ROADWAY TYPICAL SECTION FOR CONCRETE SURFACES IS ASSUMED TO BE 10 INCHES OF FULL DEPTH PORTLAND CEMENT CONCRETE PAVEMENT.

ALL PAVEMENT PATCHES ON HOT-MIX ASPHALT SURFACES SHOWN IN THE PLANS ARE TO BE TWO (2) INCH MILL AND RESURFACE ONLY. THE MINIMUM WIDTH FOR MILLING AND PATCHING SHALL BE TWO (2) FEET. ALL PAVEMENT PATCHES ON CONCRETE SURFACES ARE TO BE 10 INCH CLASS D PATCHES.

THE COST OF ANY PARTIAL OR FULL DEPTH PATCHING REQUIRED AFTER THE REMOVAL OF THE EXISTING 2 INCH HOT-MIX ASPHALT SURFACE SHALL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		COOK COUNTY 1000	LAKE COUNTY 1000					CODE NO	ITEM		UNIT				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	2	2													
40600300	AGGREGATE (PRIME COAT)	TON	6	6													
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	9	9													
40600895	CONSTRUCTING TEST STRIP	EACH	1	0.8	0.2												
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	146	146													
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	325	325													
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	2901	2901													
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SO YD	170	128	42												
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	110	88	22												
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	58	58													
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	651	134	517												
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	4	2												
67100100	MOBILIZATION	L SUM	1	0.8	0.2												
70300530	PAVEMENT MARKING TAPE, TYPE III 5"	FOOT	191	52	139												
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	80	22	58												
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	14790	10352	4438												
* 78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	FOOT	191	52	139												
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	30	10	20												
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	30	10	20												
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	0.8	0.2												
* SPECIALTY ITEM																	



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 DESIGNER =
 DRAWN =
 PLOT SCALE = 100.0000' / IN.
 CHECKED =
 PLOT DATE = 3/19/2009

DESIGNED -
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REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL LOCATION MAP

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-029 PP	COOK & LAKE	19	4
CONTRACT NO. 60G28				
ILLINOIS FED. AID PROJECT				

SUMMARY - NORTH INTERSTATE RAMPS & MAINLINE	HMA 2" MILL & RESURFACE (SY)	CLASS D PATCH, 10" (SY)
I-94 (EDENS EXPRESSWAY)		
ILLINOIS RD. NB ENTRANCE RAMP	58	0
CICERO AVE. SB EXIT RAMP	112	0
CLAVEY RD. (ALL RAMPS)	0	466
US 41 (LAKE COOK RD. TO CLAVEY RD.)	0	117
I-90, I-90/94 & I-190 (KENNEDY EXPRESSWAY)		
CUMBERLAND RD. CLOVER RAMP (NW EXIT TO KENNEDY)	596	0
SB CUMBERLAND LONG ARM (NW KENNEDY EXIT)	433	0
RIVER RD. RAMP (NW KENNEDY EXIT)	528	0
NORTH RIVER RD. RAMP (NW ENTRANCE TO KENNEDY)	724	0
SOUTH RIVER RD. RAMP (NW ENTRANCE TO KENNEDY)	0	244
KENNEDY EB MAINLINE (JANE ADAMS TO KENNEDY)	141	0
NAGLE RAMP (SE EXIT TO KENNEDY)	0	25
NAGEL RAMP (SE ENTRANCE TO KENNEDY)	0	36
KEELER RAMP (NW ENTRANCE TO KENNEDY)	0	20
SAYER RAMP (SE ENTRANCE TO KENNEDY)	0	44
NB HARLEM AVE. RAMP (SE ENTRANCE TO KENNEDY)	0	37
BESSE COLEMAN RAMP (SE ENTRANCE TO I-190)	309	0
SUMMARY TOTALS:	2901	989
	SY	SY

NOTE:

DUE TO ROUNDING, SUMMARY TOTALS MAY VARY SLIGHTLY FROM THE TOTALS ON THE PATCHING SCHEDULES.

FILE NAME = c:\p4_work\WIDDT\WILGREENDP\02125109\0	USER NAME = WILGREENDP design.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF PATCHING SCHEDULE NORTH INTERSTATE RAMPS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLDT SCALE = 100.0000 ' / IN.	CHECKED -	REVISED -	VAR.			2009-029 PP	COOK & LAKE	19	5	
PLDT DATE = 3/19/2009	DATE -	REVISED -	CONTRACT NO. 60C28							
				SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

ROUTE: I-94 (EDEN EXPY) RAMPS - HMA SURFACE

CROSS STREETS		DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
FROM	TO						
Lake Cook Road Ramp	NB Entrance	Recently resurfaced as part of the I-94 project					
Lake Cook Road Ramp	NB Exit	Recently resurfaced as part of the I-94 project					
Lake Cook Road Ramp	SB Entrance	Recently resurfaced as part of the I-94 project					
Illinois Road Ramp	NB Entrance	Asphalt		16 ft	10 ft	160	18
		Asphalt		12 ft	10 ft	120	13
		Asphalt		12 ft	20 ft	240	27
Cicero Avenue Ramp	SB Exit	Asphalt		2 ft	200 ft	400	44
		Asphalt		12 ft	20 ft	240	27
		Asphalt		12 ft	15 ft	225	25
		Asphalt		12 ft	12 ft	144	16

TOTALS: 170 SY

ROUTE: I-94 (EDENS EXPY) RAMPS - PCC SURFACE

CROSS STREETS		DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
FROM	TO						
Clavey Road Ramp	NB Exit						
	3 transverse cracks	Finished Concrete Pvmt		2 ft	16 ft	3 x 32 sf = 96 sf	11
Clavey Road Ramp	NB Entrance	Finished Concrete Pvmt		2 ft	10 ft	20	2
		Finished Concrete Pvmt		2 ft	450 ft	900	100
		Finished Concrete Pvmt		2 ft	300 ft	600	67
Clavey Road Ramp	SB Exit	Finished Concrete Pvmt		2 ft	50 ft	100	11
		Finished Concrete Pvmt		2 ft	300 ft	600	67
		Finished Concrete Pvmt		2 ft	350 ft	700	78
		8 transverse cracks	Finished Concrete Pvmt		2 ft	16 ft	8 x 32 sf = 256 sf
Clavey Road Ramp	SB Entrance	Finished Concrete Pvmt		2 ft	150 ft	300	33
		Finished Concrete Pvmt		2 ft	50 ft	100	11
		Btwn conc & Rt edge line		2 ft	250 ft	500	56

TOTALS: 2054 FT 464 SY

ROUTE: US 41 MAINLINE (LAKE COOK RD. TO CLAVEY RD.) - PCC SURFACE

CROSS STREETS		DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
FROM	TO						
Lake Cook Road	Clavey Road	SB	3	12 ft	15 ft	225	25
		Btwn Conc & Rt. edge line		2 ft	300 ft	600	67
Lake Cook Road	Clavey Road	NB	3	12 ft	15 ft	225	25

TOTALS: 330 FT 117 SY

ROUTE: South River Rd Ramp (NW Entrance on to Kennedy) - PCC SURFACE

CROSS STREETS		DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
FROM	TO						
NW Entrance	On To Kenndy	WB	1	2	24	48	5
		EB	1	2	12	24	3
		EB	1	2	12	24	3
		EB	1	2	12	24	3
		EB	1	2	12	24	3
		EB	1	2	12	24	3
		EB	1	2	12	24	3
		EB	1	2	70	140	16
		EB	1	2	24	48	5
		EB	1	2	50	100	11
		EB	1	24	50	1200	133
		EB	1	2	12	24	3
		EB	1	2	12	24	3
		EB	1	2	12	24	3
		EB	1	2	12	24	3
		EB	1	2	12	24	3
		EB	1	2	12	24	3
		EB	1	2	12	24	3
		EB	1	2	12	24	3
		EB	1	2	100	200	22
		EB	1	2	50	100	11
		EB	1	2	24	48	5

TOTALS: 548 244
FT SY

ROUTE: Kennedy EB Mainline - Jane Adams to Kennedy - HMA SURFACE

CROSS STREETS		DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
FROM	TO						
JANE ADDAMS (tollway)	KENNEDY EXPY	WB	RAMP	50	4	200	22
"	"	WB	RAMP	50	2	100	11
"	"	WB	RAMP	20	2	40	4
"	"	WB	RAMP	46	2	92	10
"	"	WB	RAMP	20	2	40	4
"	"	WB	RAMP	30	2	60	7
"	"	WB	RAMP	24	2	48	5
"	"	WB	RAMP	40	4	160	18
"	"	WB	RAMP	12	2	24	3
"	"	WB	RAMP	24	2	48	5
"	"	WB	RAMP	36	2	72	8
"	"	WB	RAMP	12	2	24	3
"	"	WB	RAMP	12	2	24	3
"	"	WB	RAMP	24	2	48	5
"	"	WB	RAMP	24	2	48	5
"	"	WB	RAMP	24	2	48	5
"	"	WB	RAMP	24	2	48	5
"	"	WB	RAMP	12	2	24	3
"	"	WB	RAMP	12	12	144	16
"	"	WB	RAMP	12	2	24	3

TOTALS: 52 FT 141 SY

ROUTE: Nagle Ramp (SE Exit off to Kennedy) - PCC SURFACE

CROSS STREETS		DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
FROM	TO						
SE Exit	Off To Kenndy	EB	1	2	16	32	4
		EB	1	2	16	32	4
		EB	1	2	16	32	4
		EB	1	2	16	32	4
		EB	1	2	16	32	4
		EB	1	2	16	32	4
		EB	1	2	16	32	4

TOTALS: 112 FT 25 SY

ROUTE: Nagle Ramp (SE Entrance on to Kenendy) - PCC SURFACE

CROSS STREETS		DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
FROM	TO						
SE Entrance	On To Kenndy	EB	1	2	40	80	9
		EB	1	2	10	20	2
		EB	1	2	14	28	3
		EB	1	2	16	32	4
		EB	1	2	20	40	4
		EB	1	2	60	120	13

TOTALS: 160 FT 36 SY

ROUTE: Keeler Ramp (NW Entrance on to Kennedy - PCC PAVEMENT

CROSS STREETS		DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
FROM	TO						
NW Entrance	On To Kenndy	WB	1	15	12	180	20

TOTALS: 12 FT 20 SY

ROUTE: Ontario WB Feeder (Orleans St. to Concrete Pavement) - HMA SURFACE

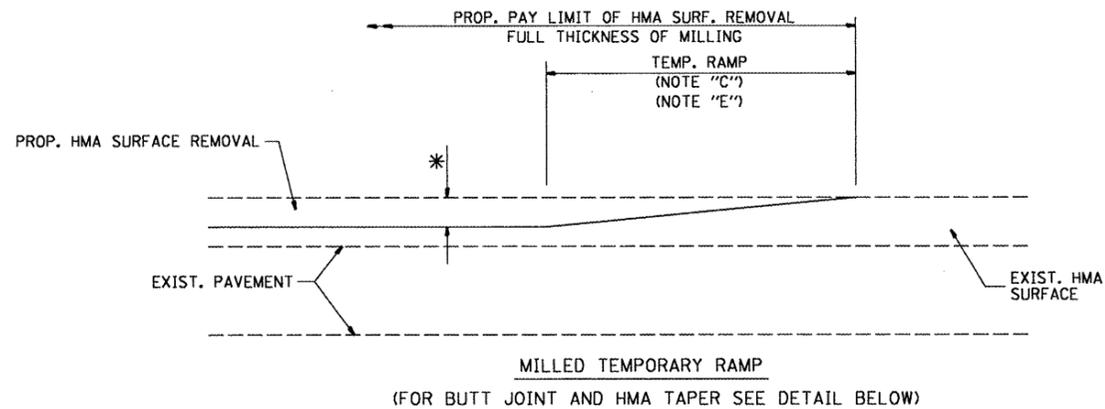
CROSS FROM	STREETS TO	DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
Ontario outbound	Feeder ramp	OB	1,2	2	300	600	67
Ontario outbound	Feeder ramp	OB	1	12	40	480	53
Ontario outbound	Feeder ramp	OB	s,1	2	100	200	22
Ontario outbound	Feeder ramp	OB	2,3	2	80	160	18

TOTALS: 520 FT 160 SY

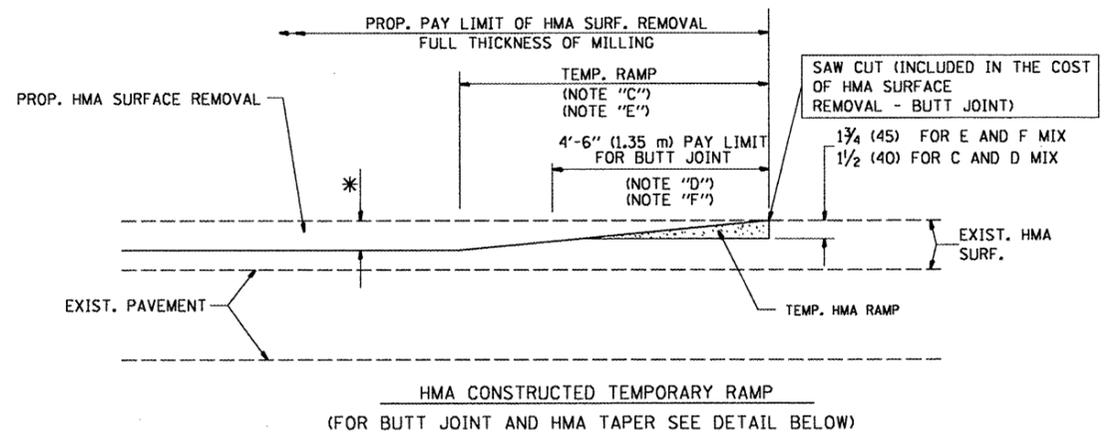
ROUTE: Besse Colman Ramp - SE Entrance on to I-190 - HMA SURFACE

CROSS STREETS		DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
FROM	TO						
BESSIE COLEMAN RAMP	(SE Entrance onto I-190)	EB	RAMP	15	65	975	108
"	"	WB	RAMP	2	250	500	56
"	"	WB	RAMP	4	25	100	11
"	"	WB	RAMP	4	25	100	11
"	"	WB	RAMP	6	60	360	40
"	"	WB	RAMP	4	20	80	9
"	"	WB	RAMP	4	20	80	9
"	"	WB	RAMP	4	25	100	11
"	"	WB	RAMP	2	30	60	7
"	"	WB	RAMP	4	15	60	7
"	"	WB	RAMP	2	30	60	7
"	"	WB	RAMP	4	30	120	13
"	"	WB	RAMP	2	30	60	7
BESSIE COLEMAN RAMP	(SE Entrance onto I-190)	WB	RAMP	2	65	130	14

TOTALS: 690 FT 309 SY

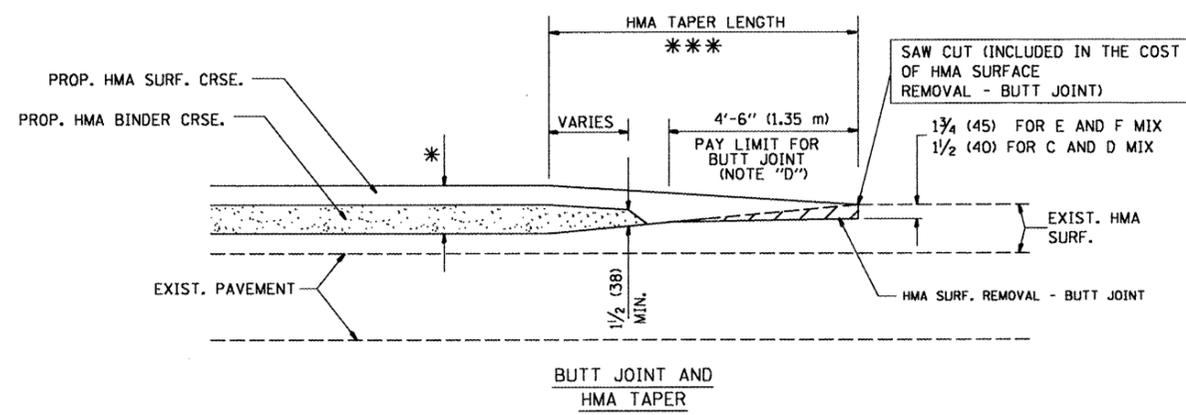


OPTION 1

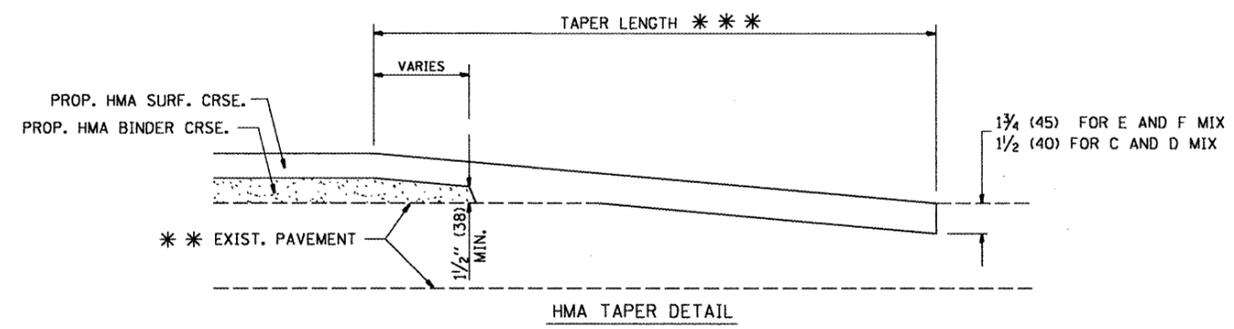
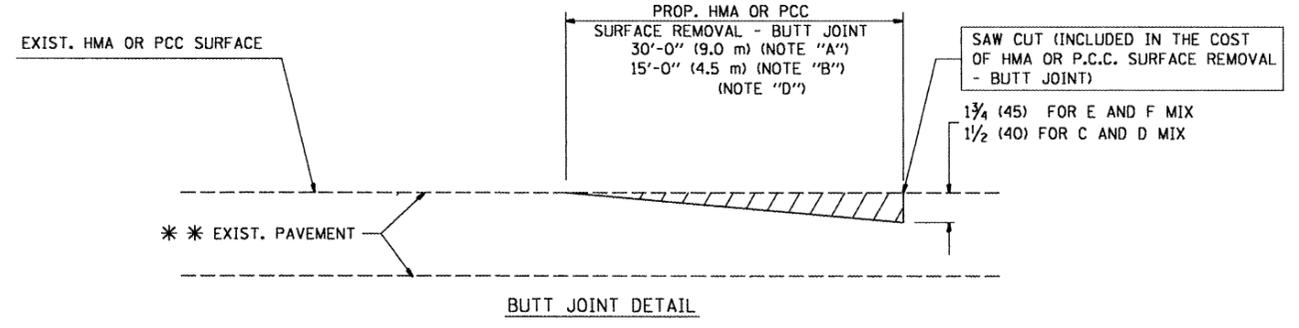


OPTION 2

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")

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".

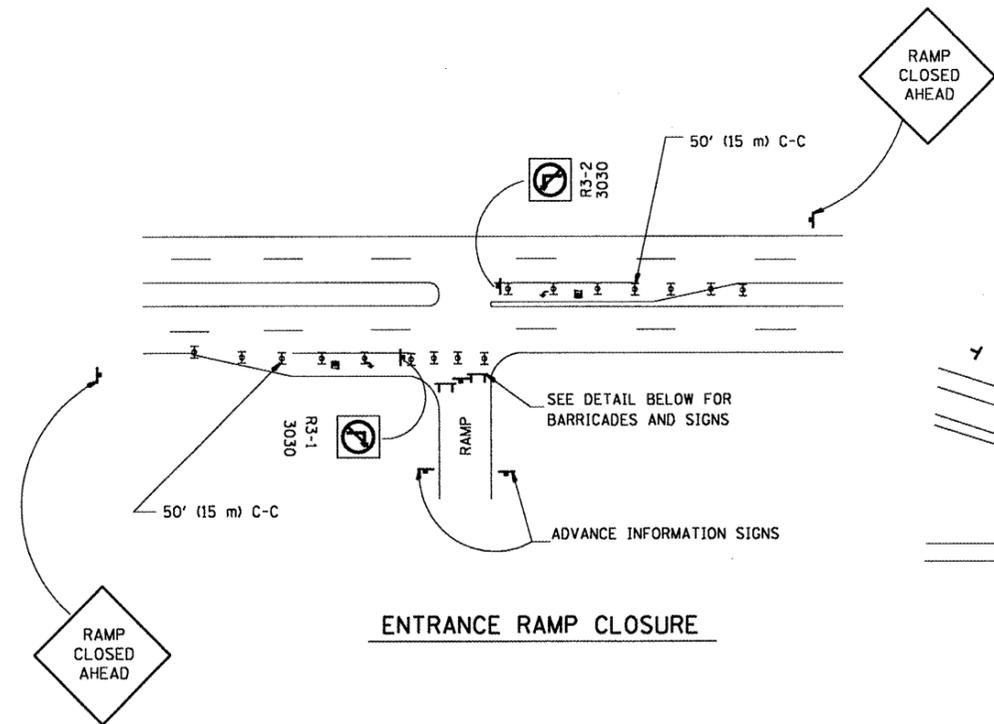
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = wjgreendp	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
ct\pw_work\PW1DDT\WJLGREENDP\0125109\015td.dgn	PLT SCALE = 100.0000 ' / IN.	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT DATE = 3/14/2009	DATE = 06-13-90	CHECKED -	REVISED - M. GOMEZ 04-06-01
			REVISED - R. BORO 01-01-07

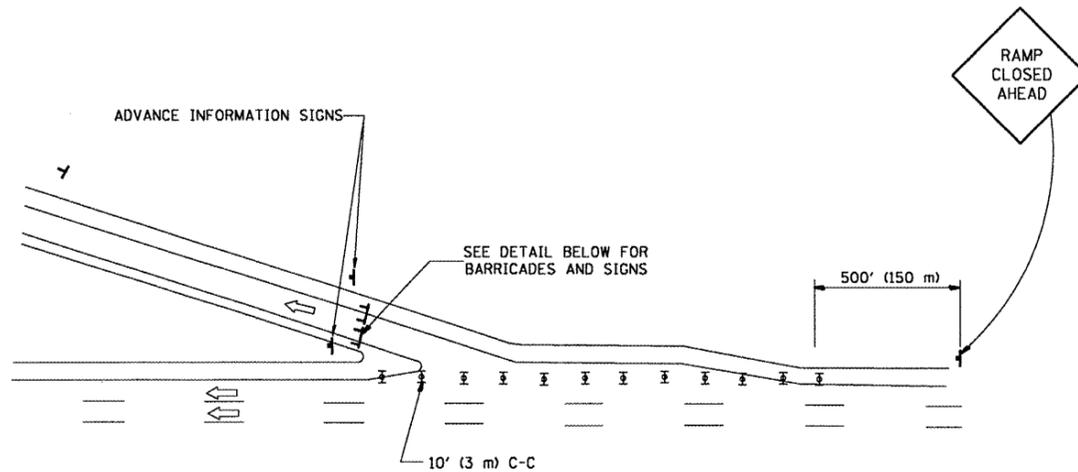
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. 2009-029 PP		COOK+LK	19	14
BD400-05 BD32		CONTRACT NO. 6CG28		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

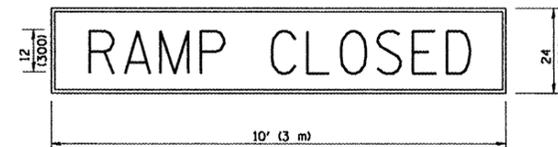


ENTRANCE RAMP CLOSURE



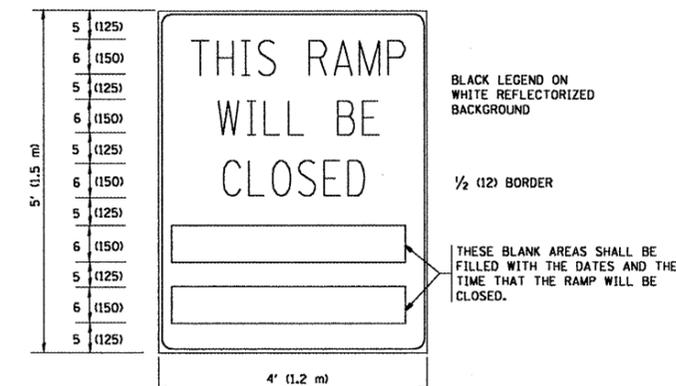
EXIT RAMP CLOSURE

RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE REFLECTORIZED BACKGROUND
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR THE CLOSED EXIT RAMPS.

RAMP CLOSURE ADVANCE INFORMATION SIGN

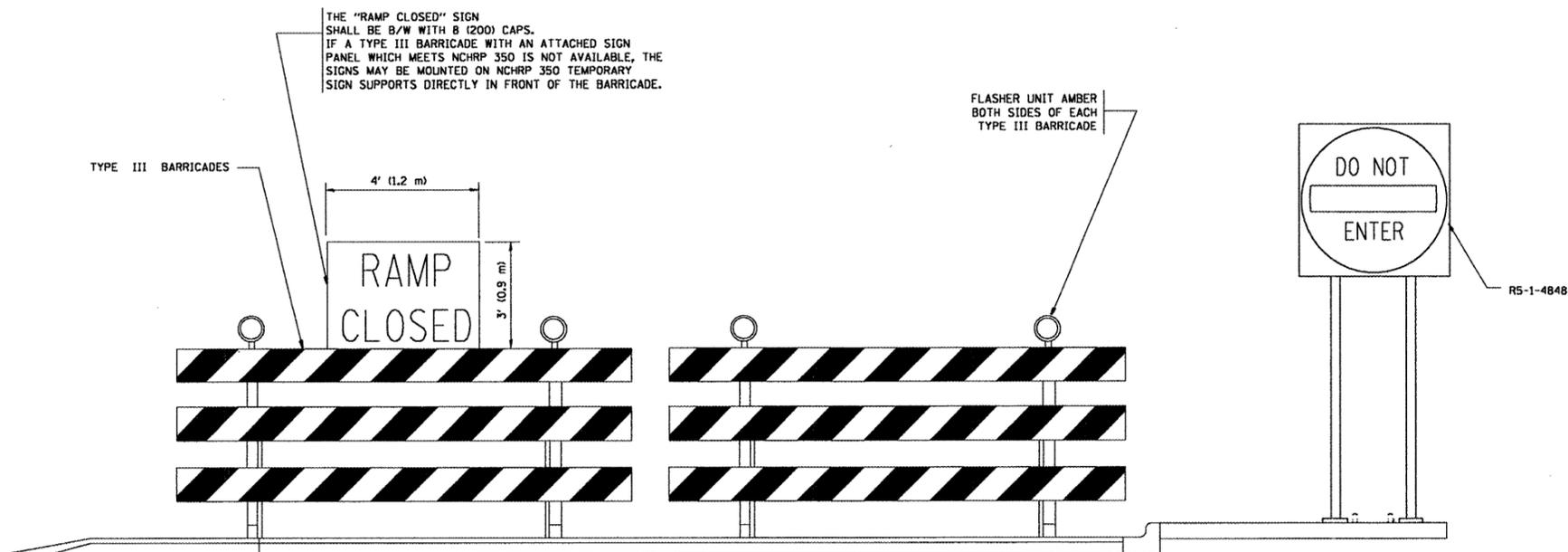


THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

GENERAL NOTES:

- CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
- ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
- THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- 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.

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



DETAIL FOR REQUIRED BARRICADES & SIGNS

SYMBOLS

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

FILE NAME =	USER NAME = w1greendp	DESIGNED - DWS	REVISED - DWS 12-94
ct:\pwork\PWIDOT\WILGREENDP\02125109\0	st5td.dgn	DRAWN -	REVISED - DWS/JAF 12-02
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED - JAF 02-06
	PLOT DATE = 3/14/2009	DATE - 02-83	REVISED - SPB 01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

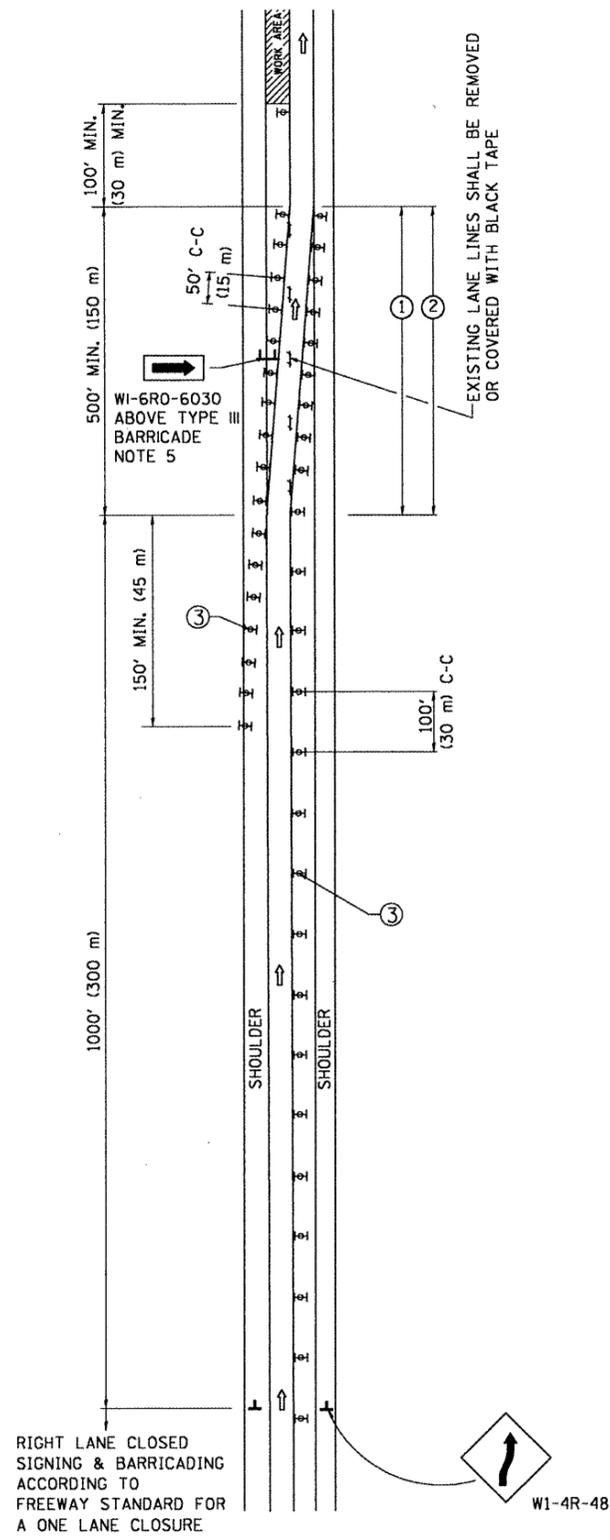
**FREWAY ENTRANCE AND EXIST RAMP
CLOSURE DETAILS**

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

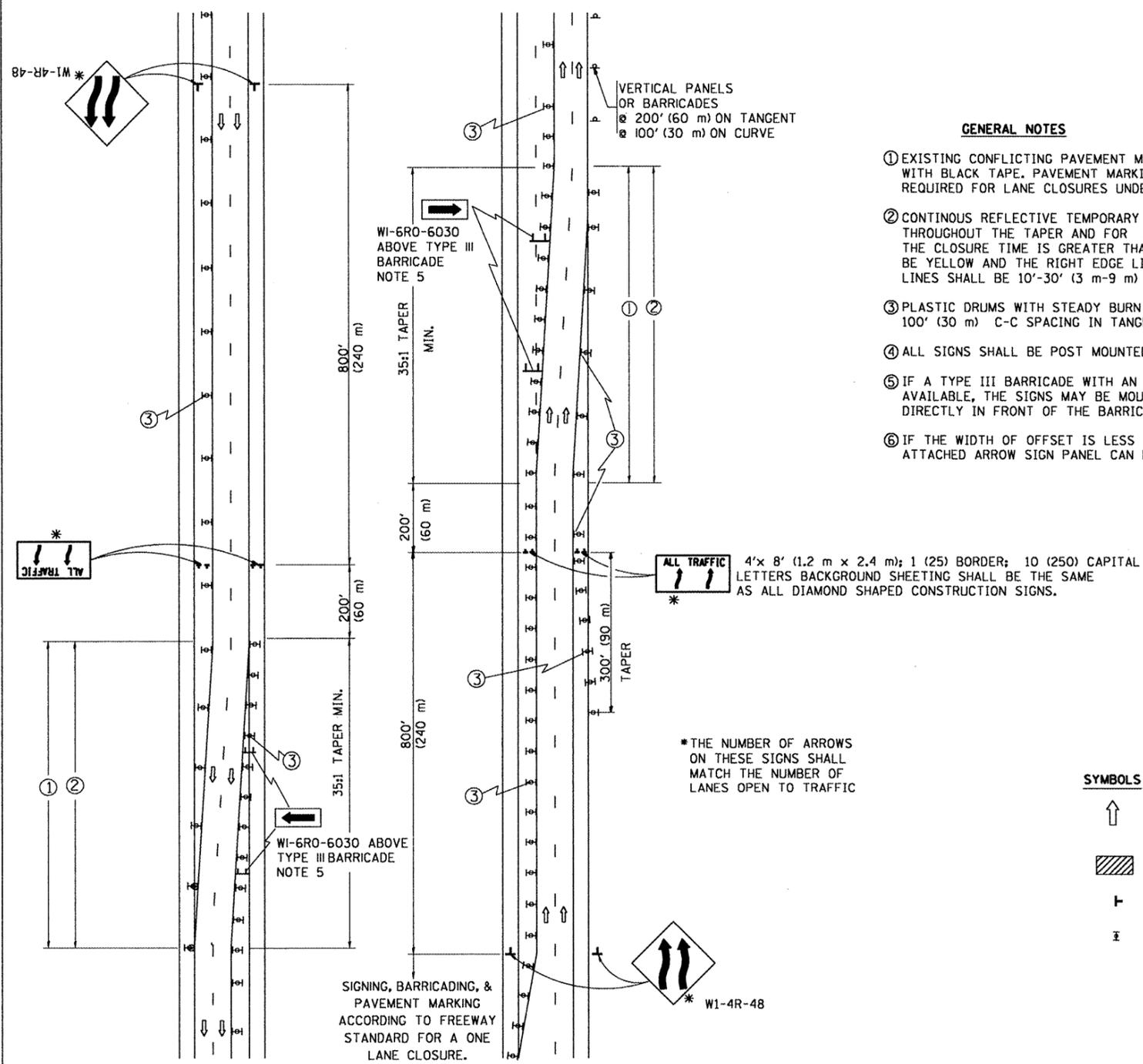
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2009-029 PP	COOK + CLK	19	15
	TC-08			
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

CONTRACT NO. 60628

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES

- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED OR COVERED WITH BLACK TAPE. PAVEMENT MARKING REMOVAL OR BLACK TAPE SHALL NOT BE REQUIRED FOR LANE CLOSURES UNDER 24 HOURS IN DURATION.
- CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVE LANE LINES SHALL BE 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- 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.
- IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.

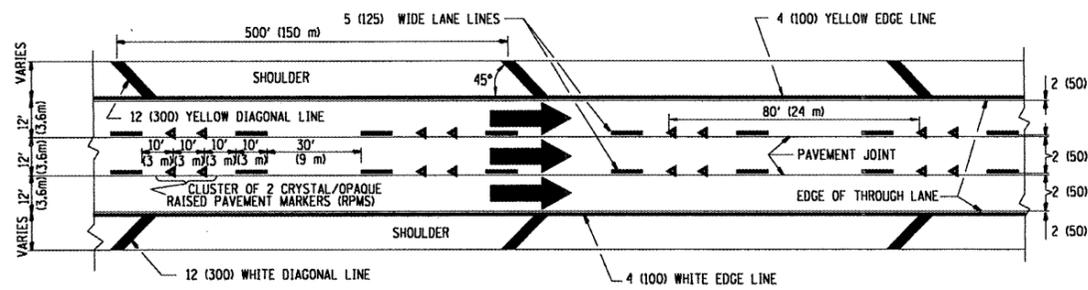
SYMBOLS

- ↑ DIRECTION OF TRAFFIC
- ▨ WORK AREA
- ┆ SIGN ON PORTABLE OR PERMANENT SUPPORT
- ⊥ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = wilgreendp	DESIGNED - DWS	REVISED - DWS 11-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cd:\pw_work\PW100T\MILGREENDP\d0125109\10	at5td.dgn	DRAWN -	REVISED - JAF 01-03		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	VAR. 2009-02A PP	Cook + Lk.	19	16
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED - JAF 02-06	REVISED - SPB 01-07					TC-09	CONTRACT NO. 60628			
PLOT DATE = 3/14/2009	DATE - 02-87							FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

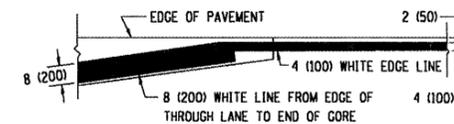
THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH
THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH



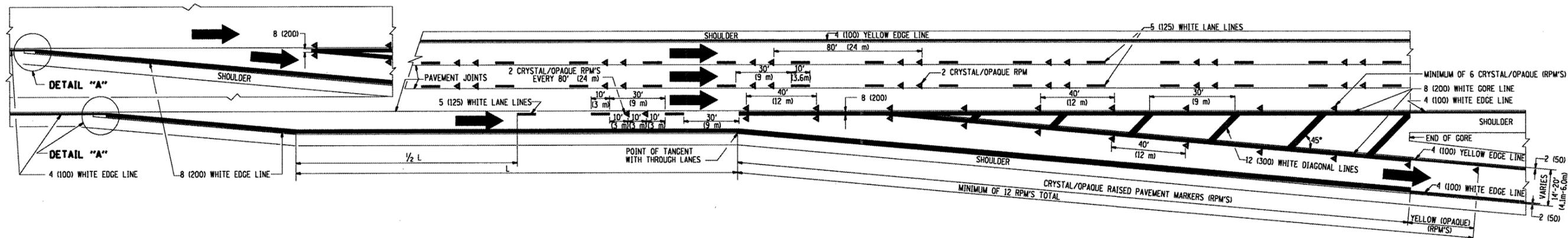
TYPICAL EDGE LINES & LANE LINES

NOTES:

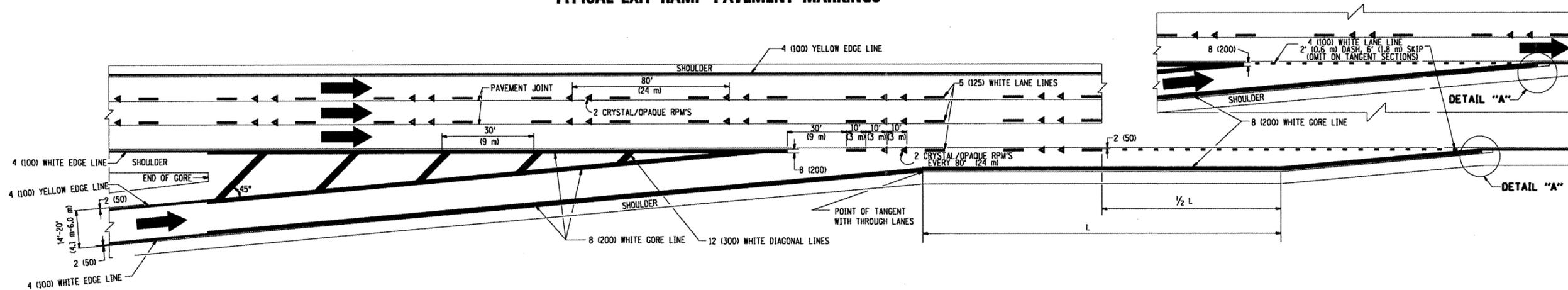
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE SHALL BE USED FOR ALL LANE LINES ON BITUMINOUS PAVEMENT
3. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON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



DETAIL "A"

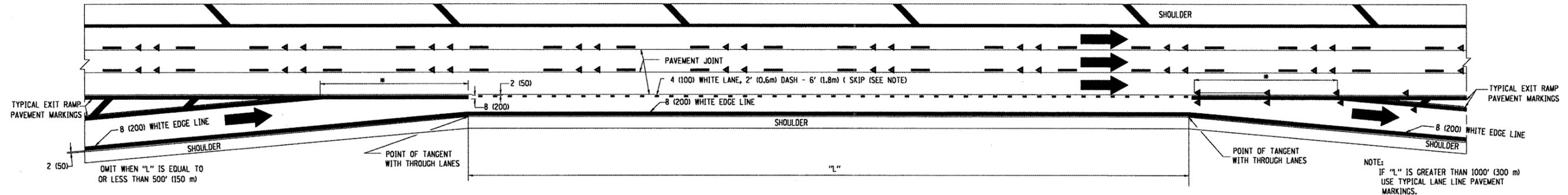


TYPICAL EXIT RAMP PAVEMENT MARKINGS

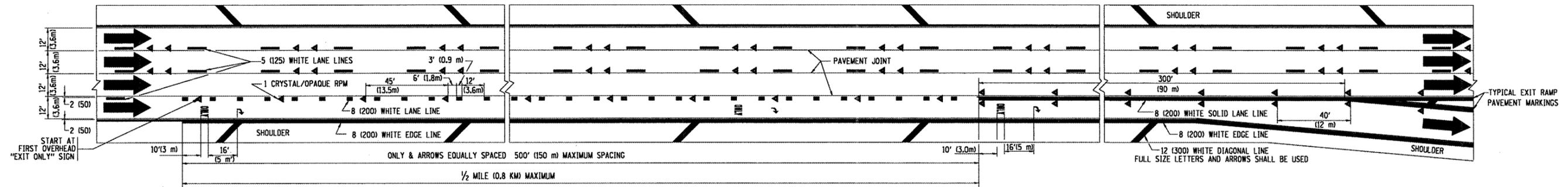


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS

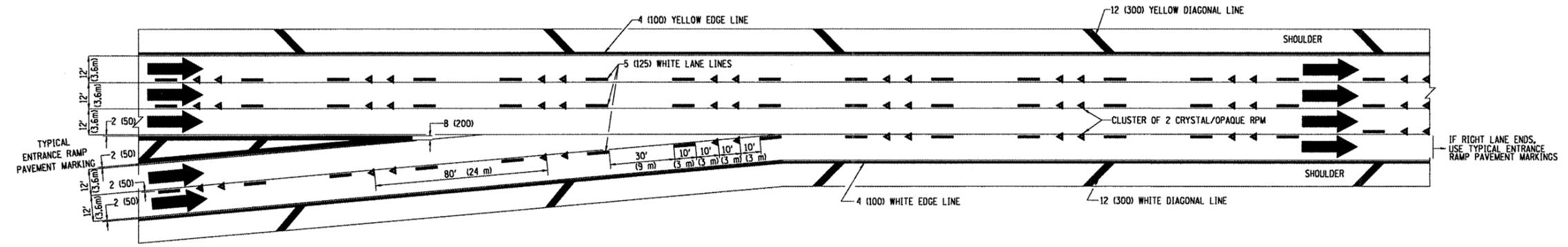
FILE NAME =	USER NAME = wilgreendp	DESIGNED - D.W.S.	REVISED - A.H. 03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS		F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
at\pw_work\PW1007\WILGREENDP\01251099.D	st5std.dgn	DRAWN -	REVISED - D.W.S. 07-96		SCALE: NONE	SHEET NO. 1 OF 2 SHEETS	STA.	VAR 2009-029 PP	COAK+LK	19	17
PLOT SCALE = 1/8"=1'-0" / IN.	CHECKED -	REVISED - J.A.F. 02-06	REVISED - S.P.B. 01-07		TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 60628		
PLOT DATE = 3/14/2009	DATE - 01-90										



TYPICAL ENTRANCE/EXIT RAMP COMBINATION PAVEMENT MARKINGS



TYPICAL EXIT ONLY LANE PAVEMENT MARKINGS

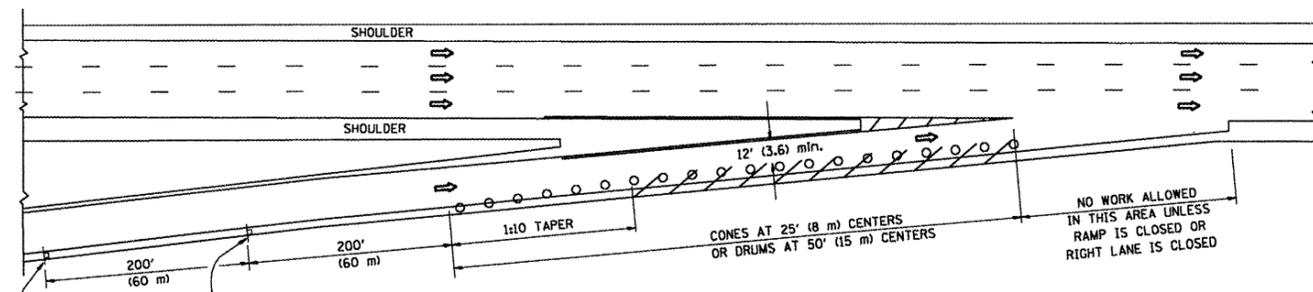


TYPICAL TWO LANE ENTRANCE RAMP PAVEMENT MARKINGS

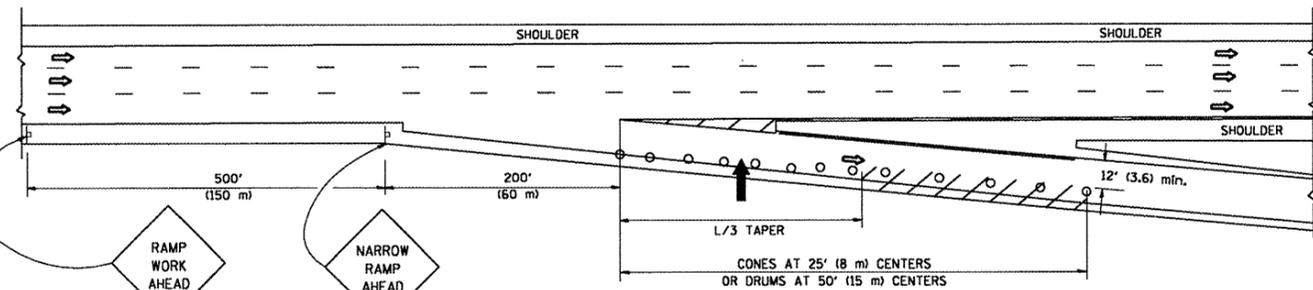
FILE NAME =	USER NAME = wlgreendp	DESIGNED - D.W.S.	REVISED - A.H. 03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
α:\pwork\PW1001\WILGREENDP\0125109\N	st5td.dgn	DRAWN -	REVISED - D.W.S. 07-96		SCALE: NONE	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	VAR 2009-029 PP	COOK + LK	19	18
	PLOT SCALE = 1/8" = 100.0000' / IN.	CHECKED -	REVISED - J.A.F. 02-06		TC-12							
	PLOT DATE = 3/14/2009	DATE - 01-90	REVISED - S.P.B. 01-07		CONTRACT NO. 60628							

PARTIAL RAMP CLOSURE DETAILS

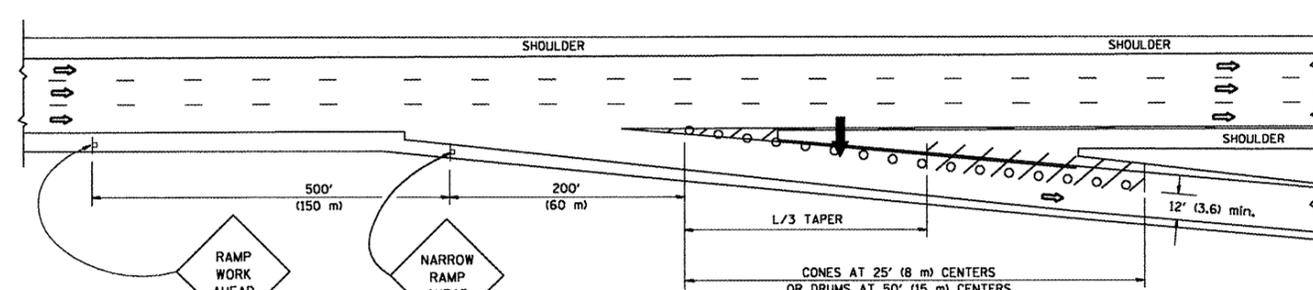
SHOULDER CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

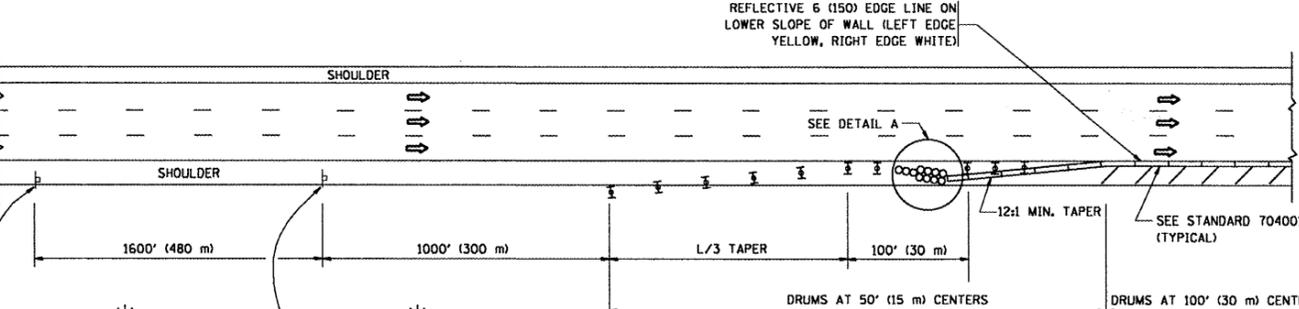
- ➔ ARROWBOARD
- ▨ WORK AREA
- ┌ SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- ⊕ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

GENERAL NOTES

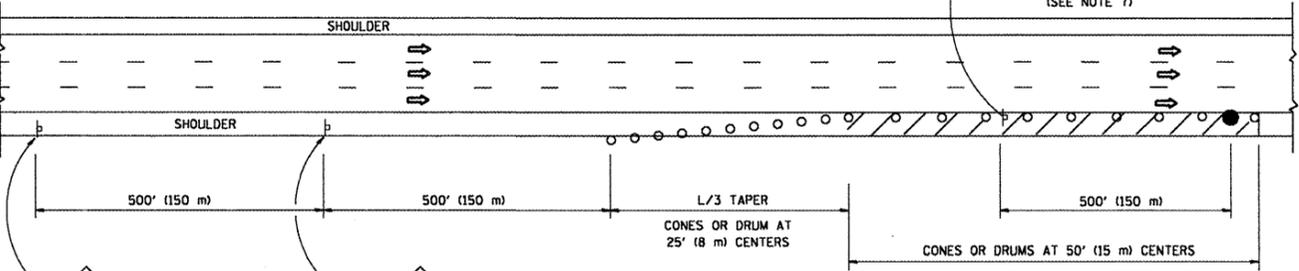
- THE "L" DISTANCE EQUALS:

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

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

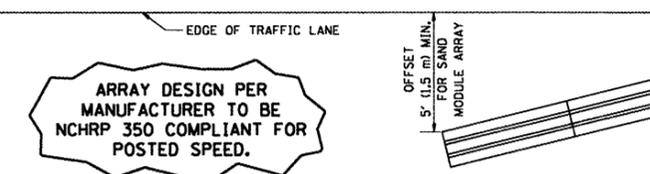


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

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



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

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

FILE NAME =	USER NAME = wjgreendp	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. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pwork\PW1001\WILGREENDP\d125109\10	stStd.dgn	DRAWN - D.W.S.	REVISED - 04-03		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	VAR. 2009-029 PP	COOK+LK	19	19	
PLOT SCALE = 1/8" = 1'-0"	PLOT DATE = 3/14/2009	CHECKED -	REVISED - J.A.F. 12-06						TC-17				
		DATE - 11-96	REVISED - S.P.B. 01-07						FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		CONTRACT NO. 60628