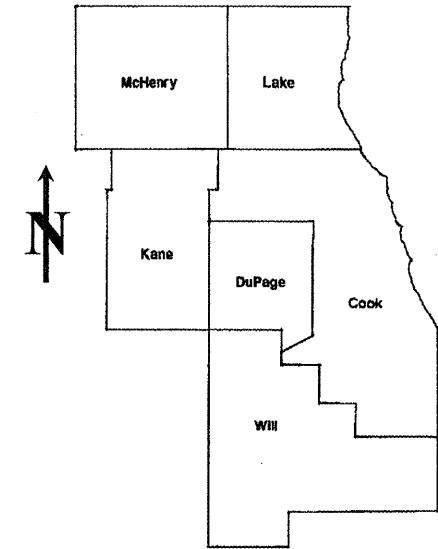


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-026 PP	COOK	30	1

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

CONTRACT NO. 60G25

D-91-356-09



LOCATION OF IMPROVEMENT INDICATED THUS:

FOR INDEX OF SHEETS SEE SHEET 2

VARIOUS ROUTES
 SECTION: 2009-026 PP
 VARIOUS LOCATIONS IN SOUTH COOK COUNTY
 INTERMITTENT PAVEMENT RESURFACING
 PROJECT: ESP-0005 (649)
 COOK COUNTY
 C-91-356-09

CONTRACT NO. 60G25

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
 SUBMITTED: FEBRUARY 5 20 09
Diana M. O'Keefe
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
March 27, 2009
Charles J. Ingersoll
 ENGINEER OF DESIGN AND ENVIRONMENT
March 27, 2009
Christine M. Reed
 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

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
6-22	PATCHING SCHEDULE
23	BUTT JOINT AND HMA TAPER DETAILS
24	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
25	TYPICAL APPLICATIONS: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
26	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
27	TRAFFIC CONTROL AND PROTECTION OF TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
28	ARTERIAL ROAD INFORMATION SIGN
29	STANDARD TRAFFIC SIGNAL DESIGN DETAILS
30	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING

STATE STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001-05	TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS - DAY ONLY
701336-05	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-03	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-06	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-06	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)

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 VISIBILITY 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 MS. PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER AT (705) 597-9800 MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.

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

ALL PAVEMENT PATCHES SHOWN IN THE PLANS ARE TWO (2) INCH MILL AND RESURFACE ONLY. THE MINIMUM WIDTH FOR MILLING AND PATCHING SHALL BE TWO (2) FEET.

THE COST OF TRAFFIC CONTROL AND PROTECTION FOR THE PROJECT SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED ROAD WORK.

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.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AC TYPE	AIR VOIDS (%)
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5MM), 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.

FILE NAME = c:\pwork\PWIDOT\WILGREENDP\0125091\Design.dgn	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.
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	VAR.			2009-026 PP	COOK	30	2	
PLOT DATE = 2/6/2009	DATE -	REVISED -	CONTRACT NO. 60G25							
			SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-026 PP	COOK	30	3
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	
CONTRACT NO. 60G25				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		URBAN 100% FED 1000-2A				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	7	7				
40600300	AGGREGATE (PRIME COAT)	TON	33	33				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	50	50				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	655	655				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1833	1833				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	16358	16358				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3				
67100100	MOBILIZATION	L SUM	1	1				
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	8497	8497				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	2833	2833				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	250	250				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	46730	46730				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1000	1000				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	200	200				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	200	200				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	490	490				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	490	490				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	1000	1000				
X0322256	TEMPORARY INFORMATION SIGNING	SO FT	823	823				
© 20076600	TRAINNEES	HOUR	1500	1500				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT						

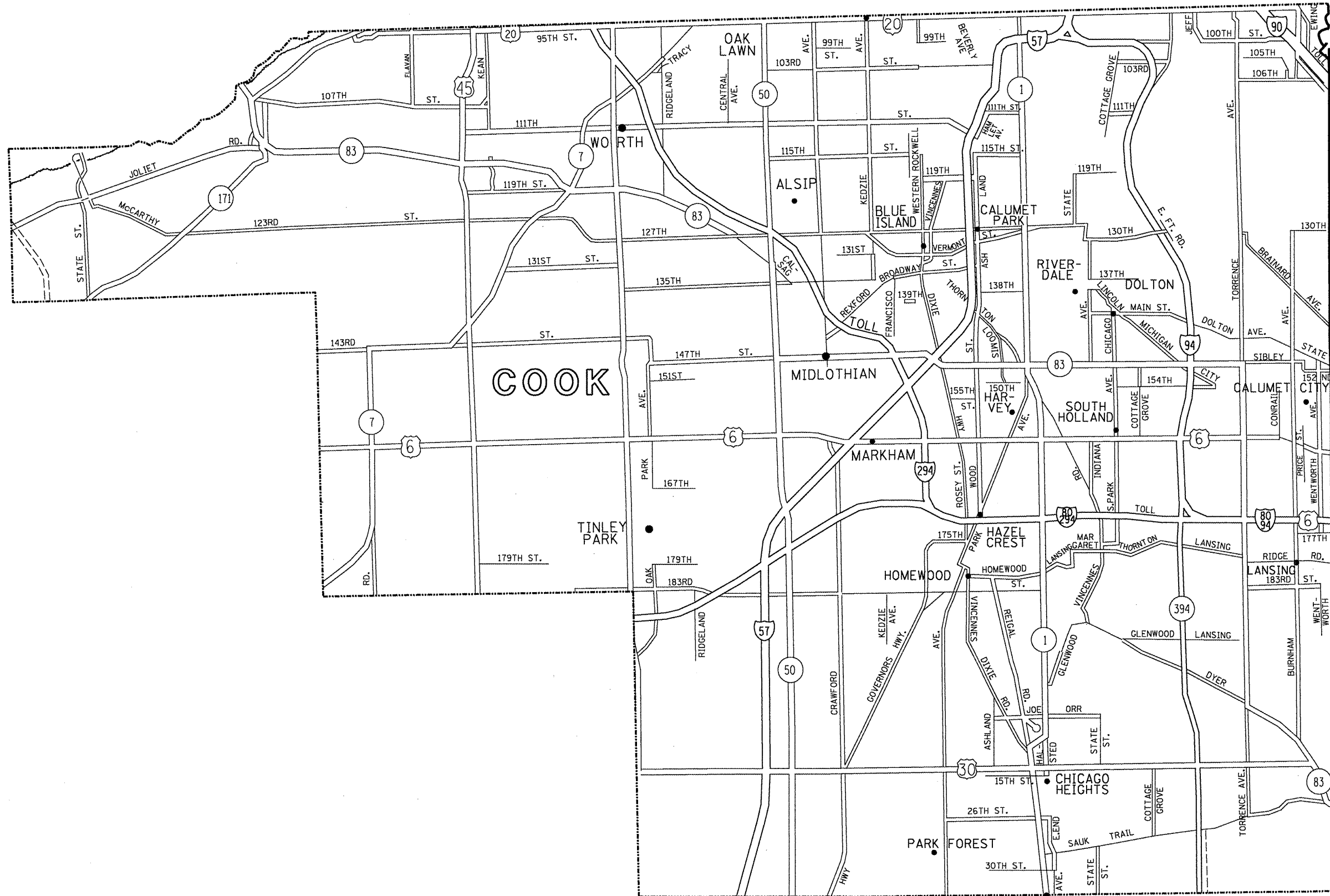
* SPECIALTY ITEMS
© Y080

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

PLOT DATE: 2/6/2009

2/6/2009 8:03:00 AM User:wilgreendp



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USER NAME = wlgreendp
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PLOT SCALE = 100.0000' / IN.
PLOT DATE = 2/6/2009

DESIGNED -
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CHECKED -
DATE -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL LOCATION MAP - SOUTH COOK COUNTY
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-026 PP	COOK	30	4
CONTRACT NO. 60G25				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY - SOUTH COOK COUNTY	HMA 2" MILL & RESURFACE (SY)
115TH ST. (JOALYCE DR. TO 44TH PL.)	174
119TH ST. (MARSHFIELD AVE. TO LONGWOOD DR.)	2026
143RD ST. (IL 7 TO WILL COOK RD.)	354
154TH ST. (I-94 TO MICHIGAN CITY RD.)	108
159TH ST. (I-94 TO TORRENCE AVE.)	1041
159TH ST. (CICERO AVE. TO I-294 INTERCHANGE)	1838
IL 50 (CICERO AVE.) (111TH ST. TO 121ST ST.)	1144
CRAWFORD AVE. (159TH ST. TO 183RD ST.)	207
HALSTED ST. (147TH ST. TO VINCENNES AVE.)	768
HALSTED ST. (175TH ST. TO 187TH ST.)	1170
LINCOLN AVE. (138TH ST. TO MAIN ST.)	789
PULASKI AVE. (115TH ST. TO 123RD ST.)	819
SOUTHWEST HWY. (87TH ST. TO KEELER AVE.)	33
TORRENCE AVE (183RD ST. TO US 30)	3440
US 30 (HARLEM AVE. TO I-57)	1363
LAGRANGE RD. (111TH ST. TO 119TH ST.)	1084
SUMMARY TOTALS:	16358
	SY

FILE NAME =	USER NAME = wilgreendp	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 2/6/2009		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF PATCHING SCHEDULE
SOUTH COOK COUNTY**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-026 PP	COOK	30	5
CONTRACT NO. 60G25				
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

ROUTE: 115th (Joalyce to 44th PI)

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						
Joalyce	44th PI	WB	1	12	6	72	8
		"	"	2	10	20	2
		"	"	12	4	48	5
		"	"	12	4	48	5
		"	"	12	6	72	8
		"	"	12	10	120	13
		"	1 & 2	24	4	96	11
44th PI	Joalyce	EB	1 & 2	24	4	96	11
		"	1	22	10	220	24
		"	"	22	20	440	49
		"	"	12	10	120	13
		"	"	12	4	48	5
		"	"	12	4	48	5
		"	"	12	4	48	5
		"	"	12	4	48	5
		"	"	12	6	72	8

TOTALS: 106 FT 174 SY

ROUTE: 119th St. (Marshfield to Longwood)

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						
Longwood	Marshfield	EB	1	12	4	48	5
		"	"	12	4	48	5
		"	"	12	10	120	13
		"	"	12	4	48	5
		"	"	12	4	48	5
		"	"	12	4	48	5
		"	"	12	8	96	11
		"	"	12	4	48	5
		"	"	12	4	48	5
		"	"	12	4	48	5
		"	"	12	4	48	5
Marshfield	Longwood	WB	1	12	10	120	13
		"	"	12	6	72	8
		"	"	12	4	48	5
		"	"	12	4	48	5
		"	"	12	20	240	27
		"	"	12	10	120	13
		"	"	12	4	48	5
		"	"	12	20	240	27
		"	"	12	4	48	5
		"	"	12	6	72	8
		"	"	12	4	48	5
		"	"	12	150	1800	200
Marshfield	railroad tracks	EB	2	20	6	120	13
		"	"	12	50	600	67
		"	"	2	70	140	16
Vincennes	Division St	EB	"	2	40	80	9
		"	"	12	4	48	5
		"	"	12	4	48	5
		"	"	12	200	2400	267
Division St	Paulina	EB	"	12	4	48	5
		"	"	12	4	48	5
		"	"	12	4	48	5
		"	"	12	6	72	8
		"	"	12	6	72	8
		"	"	12	4	48	5
		"	"	12	10	120	13
		"	"	2	20	40	4
		"	"	12	6	72	8
		"	"	12	4	48	5
		"	"	12	25	300	33
Paulina	Longwood	"	"	12	150	1800	200
Marshfield	Division	WB	2	12	8	96	11
		"	"	12	400	4800	533
		"	"	2	40	80	9
Division	Watkins	"	"	12	40	480	53
		"	"	12	20	240	27
		"	"	2	30	60	7
		"	"	12	8	96	11
		"	"	12	50	600	67
Watkins	Vincennes	WB	2	12	40	480	53
		"	"	12	4	48	5
		"	"	12	4	48	5
		"	"	12	8	96	11
		"	"	12	12	144	16
Vincennes	Longwood	WB	2	12	20	240	27
		"	"	12	4	48	5
		"	"	2	30	60	7
		"	"	12	60	720	80
		"	"	2	50	100	11

TOTALS: 1749 FT 2026 SY

FILE NAME =	USER NAME = wjgreendp	DESIGNED -	REVISED - 7/17/08 - DPW	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PATCHING SCHEDULE 119TH ST.			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
ct:\pw\work\PW1001\WILGREENDP\012509\1\012509.dgn	DESIGNED -	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	VAR.	2009-026 PP	COOK	30	7
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 60G25										
	PLOT DATE = 2/6/2009	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT										

ROUTE: 143rd Street : Ill 7 (Wolf Rd) to Will / Cook Rd

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						
ILL 7 (Wolf Rd)	Will Cook Rd	WB	1	12	10	120	13
ILL 7 (Wolf Rd)	Will Cook Rd	WB	1	2	25	50	6
ILL 7 (Wolf Rd)	Will Cook Rd	WB	1	12	6	72	8
ILL 7 (Wolf Rd)	Will Cook Rd	WB	1	12	10	120	13
ILL 7 (Wolf Rd)	Will Cook Rd	WB	1	2	100	200	22
ILL 7 (Wolf Rd)	Will Cook Rd	WB	1	12	6	72	8
ILL 7 (Wolf Rd)	Will Cook Rd	WB	1	12	6	72	8
ILL 7 (Wolf Rd)	Will Cook Rd	WB	1	12	6	72	8
ILL 7 (Wolf Rd)	Will Cook Rd	WB	1	12	25	300	33
ILL 7 (Wolf Rd)	Will Cook Rd	WB	1	12	6	72	8
ILL 7 (Wolf Rd)	Will Cook Rd	WB	1	12	6	72	8
ILL 7 (Wolf Rd)	Will Cook Rd	WB	1	12	6	72	8
ILL 7 (Wolf Rd)	Will Cook Rd	WB	1	12	6	72	8
ILL 7 (Wolf Rd)	Will Cook Rd	WB	1	12	6	72	8
ILL 7 (Wolf Rd)	Will Cook Rd	WB	1	12	6	72	8
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	2	20	40	4
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	6	72	8
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	6	72	8
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	2	10	20	2
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	6	72	8
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	6	72	8
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	6	72	8
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	6	72	8
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	6	72	8
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	6	72	8
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	6	72	8
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	10	120	13
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	6	72	8
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	6	72	8
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	6	72	8
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	6	72	8
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	2	30	60	7
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	10	120	13
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	8	96	11
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	15	180	20
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	2	40	80	9
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	8	96	11
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	6	72	8
Will Cook Rd	ILL 7 (Wolf Rd)	EB	1	12	6	72	8

TOTALS: 453 FT 354 SY

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ROUTE: 154th Street I-94 to Michigan City Road

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						
Michigan City Road	Chappel Ave.	WB		12	4	48	5
		WB		12	4	48	5
		WB		12	4	48	5
		WB		12	4	48	5
		WB		2	50	100	11
Chappel Ave.	Stony Island	WB		2	8	16	2
		WB		12	4	48	5
		WB		2	50	100	11
		WB		12	4	48	5
Stony Island	Michigan City Road	EB		12	4	48	5
		EB		2	100	200	22
		EB		2	25	50	6
		EB		12	4	48	5
		EB		12	6	72	8
		EB		12	4	48	5

TOTALS: 275 FT 108 SY

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ROUTE: Crawford Ave (159th St. 183rd St.)

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						
183rd St	175th	NB	1	12	6	72	8
		NB	2	12	6	72	8
		NB	1	12	6	72	8
175th	I-80	NB	1	12	6	72	8
I-80	167th	NB	1	12	6	72	8
		NB	1	12	6	72	8
167th	159th	NB	2	12	50	600	67
159th	167th	SB	1	2	100	200	22
167th	I-80; none						
I-80	175th	SB	1	12	6	72	8
		SB	1	12	6	72	8
		SB	1	2	50	100	11
		SB	1	12	10	120	13
		SB	1	12	10	120	13
175th	183rd St	SB	1	12	6	72	8
		SB	1	12	6	72	8

TOTAL 280 FT 207 SY

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ROUTE: Halsted St : 147th Street to Vincennes Ave

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						
147th Street	149th	SB	2	12	6	72	8
147th Street	149th	SB	2	12	6	72	8
147th Street	149th	SB	2	12	6	72	8
147th Street	149th	SB	2	12	6	72	8
149th	152nd	SB	2	12	6	72	8
149th	152nd	SB	2	12	6	72	8
149th	152nd	SB	2	12	6	72	8
149th	152nd	SB	2	12	10	120	13
149th	152nd	SB	2	12	6	72	8
149th	152nd	SB	2	12	6	72	8
149th	152nd	SB	2	12	6	72	8
149th	152nd	SB	2	12	6	72	8
149th	152nd	SB	2	12	6	72	8
149th	152nd	SB	2	12	10	120	13
149th	152nd	SB	2	12	10	120	13
149th	152nd	SB	2	12	6	72	8
149th	152nd	SB	2	12	6	72	8
149th	152nd	SB	2	12	10	120	13
149th	152nd	SB	2	12	10	120	13
152nd	Vincennes Ave	SB	2	12	10	120	13
152nd	Vincennes Ave	SB	2	12	6	72	8
152nd	Vincennes Ave	SB	2	12	6	72	8
Vincennes Ave	152nd	NB	2	12	8	96	11
Vincennes Ave	152nd	NB	2	12	25	300	33
152nd	149th	NB	2	12	6	72	8
152nd	149th	NB	2	12	6	72	8
152nd	149th	NB	2	12	6	72	8
152nd	149th	NB	2	12	6	72	8
152nd	149th	NB	2	12	6	72	8
152nd	149th	NB	2	12	10	120	13
152nd	149th	NB	2	12	20	240	27
152nd	149th	NB	2	12	15	180	20
152nd	149th	NB	2	12	10	120	13
152nd	149th	NB	2	12	40	480	53
149th	147th Street	NB	2	12	6	72	8
149th	147th Street	NB	2	12	6	72	8
149th	147th Street	NB	2	12	6	72	8
149th	147th Street	NB	2	12	6	72	8
147th Street	149th	SB	1	12	6	72	8
147th Street	149th	SB	1	12	6	72	8
147th Street	149th	SB	1	12	6	72	8
147th Street	149th	SB	1	12	6	72	8
149th	152nd	SB	1	12	6	72	8
149th	152nd	SB	1	12	6	72	8
149th	152nd	SB	1	12	6	72	8
149th	152nd	SB	1	12	6	72	8
149th	152nd	SB	1	12	6	72	8
149th	152nd	SB	1	12	10	120	13
149th	152nd	SB	1	12	6	72	8
152nd	Vincennes Ave	SB	1	12	6	72	8
152nd	Vincennes Ave	SB	1	12	6	72	8
152nd	Vincennes Ave	SB	1	2	40	80	9
Vincennes Ave	152nd	NB	1	12	10	120	13
Vincennes Ave	152nd	NB	1	12	6	72	8
Vincennes Ave	152nd	NB	1	12	6	72	8
152nd	149th	NB	1	12	6	72	8
152nd	149th	NB	1	12	6	72	8
152nd	149th	NB	1	12	6	72	8
152nd	149th	NB	1	12	6	72	8
152nd	149th	NB	1	12	6	72	8
152nd	149th	NB	1	12	6	72	8
152nd	149th	NB	1	12	6	72	8
152nd	149th	NB	1	12	25	300	33
152nd	149th	NB	1	12	25	300	33
152nd	149th	NB	1	12	8	96	11
152nd	149th	NB	1	12	6	72	8
152nd	149th	NB	1	12	6	72	8
152nd	149th	NB	1	12	6	72	8
152nd	149th	NB	1	12	15	180	20
149th	147th Street	NB	1	12	6	72	8
149th	147th Street	NB	1	12	8	96	11
149th	147th Street	NB	1	12	6	72	8

TOTALS: 609 FT 768 SY

FILE NAME =	USER NAME = wilgreendp	DESIGNED -	REVISED - 7/17/08 - DPW	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PATCHING SCHEDULE HALSTED ST.			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
es:\pw_work\PWIDOT\WILGREENDP\0125091\0125091.dgn	DRAWN -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	2009-026 PP	COOK	30	15
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 60G25									
	PLOT DATE = 2/6/2009	DATE -	REVISED -		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT									

ROUTE: Halsted St. (175th St. to 187th St.)

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						
187th str	183rd str	NB	1	12	30	360	40
				12	6	72	8
				12	4	48	5
				12	15	180	20
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
183rd str	Ridge str	NB	1	12	8	96	11
				2	300	600	67
				12	6	72	8
				12	8	96	11
				12	8	96	11
				12	4	48	5
				12	8	96	11
				12	6	72	8
				12	4	48	5
				12	4	48	5
Ridge str	175th str	NB	1	12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	6	72	8
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
187th	183rd str	NB	2	12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
183rd str	Ridge Rd	NB	2	12	4	48	5
				12	4	48	5
				12	4	48	5
				12	12	144	16
				2	150	300	33
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
ridge rd	175th str	NB	2	12	4	48	5
				12	6	72	8
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
175th str	Ridge Rd	SB	1	12	4	48	5
				12	4	48	5
				12	7	84	9
				12	5	60	7
				12	4	48	5

ROUTE: Halsted St. (175th St. to 187th St.)

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						
Ridge str	183rd str	SB	1	12	4	48	5
				12	4	48	5
				12	4	48	5
				12	6	72	8
				12	8	96	11
				12	4	48	5
				2	65	130	14
				12	8	96	11
				12	6	72	8
				12	6	72	8
183rd str	187th str	SB	1	12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
175th str	Ridge Rd	SB	2	12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
Ridge	183rd str	SB	2	12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
183rd	187th str			12	5	60	7
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	4	48	5
				12	5	60	7
				12	150	1800	200
				12	25	300	33

TOTALS: 1394 FT 1170 SY

NOTE:
NO PATCHING IS TO BE DONE ON HALSTED ST. FROM RIDGE RD. TO STRIEFF LN.
THESE LIMITS WILL BE RESURFACED AT A LATER DATE.

ROUTE: Lincoln Ave (138th St to 142nd St/Main St)

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						
142nd ST	Chicago Rd	NW	1	12	8	96	11
142nd ST	Chicago Rd	NW	1	12	6	72	8
Chicago Rd	138th ST	NW	1	12	10	120	13
142nd ST	Chicago Rd	NW	2	12	100	1200	133
142nd ST	Chicago Rd	NW	2	12	8	96	11
142nd ST	Chicago Rd	NW	2	12	6	72	8
Chicago Rd	138th ST	NW	2	12	150	1800	200
Chicago Rd	138th ST	NW	2	12	8	96	11
Chicago Rd	138th ST	NW	2	12	50	600	67
Chicago Rd	138th ST	NW	2	12	70	840	93
138th ST	Chicago Rd	SE	1	12	8	96	11
138th ST	Chicago Rd	SE	1	12	50	600	67
138th ST	Chicago Rd	SE	1	12	12	144	16
138th ST	Chicago Rd	SE	1	12	8	96	11
138th ST	Chicago Rd	SE	2	12	70	840	93
138th ST	Chicago Rd	SE	2	12	8	96	11
138th ST	Chicago Rd	SE	2	12	10	120	13
Chicago Rd	142nd ST	SE	2	12	10	120	13

TOTALS: 592 789
FT SY

FILE NAME =	USER NAME = wilgreendp	DESIGNED -	REVISED - 7/17/08 - DPW	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PATCHING SCHEDULE LINCOLN AVE.			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca\pwr_work\pwwdot\WILGREENDP\0125091\0125091.dgn	DESIGNED -	REVISED -	VAR.					2009-026 PP	COOK	30	17	
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	SCALE: SHEET NO. OF SHEETS STA. TO STA.			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT						
PLOT DATE = 2/6/2009	DATE -	REVISED -				CONTRACT NO. 60G25						

ROUTE: SW Hwy (87th St. to Keeler)

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						
87th	Keeler	NB	1	12	6	72	8
		SB	1	2	40	80	9
		SB	1	12	12	144	16

TOTALS:

58
FT

33
SY

FILE NAME = c:\pw_work\PW100T\WILGREENDP\d0125091\Design.dgn	USER NAME = wilgreendp	DESIGNED -	REVISED - 7/17/08 - DPW	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PATCHING SCHEDULE SOUTHWEST HWY.				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR.	2009-026 PP	COOK	30	19
		CHECKED -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60G25
		DATE -	REVISED -										

ROUTE: Torrence Ave (183rd ST to US Route 30)

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						
186th ST	Glenwood Lansing Rd	SB	1	6	280	1680	187
186th ST	Glenwood Lansing Rd	SB	1	6	80	480	53
186th ST	Glenwood Lansing Rd	SB	1	6	80	480	53
186th ST	Glenwood Lansing Rd	SB	1	12	8	96	11
186th ST	Glenwood Lansing Rd	SB	1	12	8	96	11
Glenwood Lansing Rd	Glenwood Dyer Rd	SB	1	6	10	60	7
Glenwood Lansing Rd	Glenwood Dyer Rd	SB	1	6	200	1200	133
Glenwood Lansing Rd	Glenwood Dyer Rd	SB	1	6	300	1800	200
Glenwood Lansing Rd	Glenwood Dyer Rd	SB	1	6	40	240	27
Glenwood Lansing Rd	Glenwood Dyer Rd	SB	1	12	6	72	8
Glenwood Dyer Rd	US Route 30	SB	1	12	8	96	11
Glenwood Dyer Rd	US Route 30	SB	1	6	150	900	100
Glenwood Dyer Rd	US Route 30	SB	1	6	150	900	100
Glenwood Dyer Rd	US Route 30	SB	1	6	80	480	53
Glenwood Dyer Rd	US Route 30	SB	1	6	400	2400	267
Glenwood Dyer Rd	US Route 30	SB	1	6	100	600	67
Glenwood Dyer Rd	US Route 30	SB	1	6	50	300	33
Glenwood Dyer Rd	US Route 30	SB	1	6	80	480	53
Glenwood Dyer Rd	US Route 30	SB	1	6	350	2100	233
Glenwood Dyer Rd	US Route 30	SB	1	6	100	600	67
Glenwood Dyer Rd	US Route 30	SB	1	6	80	480	53
183rd ST	186th ST	SB	2	6	100	600	67
183rd ST	186th ST	SB	2	6	100	600	67
183rd ST	186th ST	SB	2	6	100	600	67
186th ST	187th ST	SB	2	6	100	600	67
US Route 30	Glenwood Dyer Rd	NB	1	12	6	72	8
US Route 30	Glenwood Dyer Rd	NB	1	12	6	72	8
US Route 30	Glenwood Dyer Rd	NB	1	12	8	96	11
US Route 30	Glenwood Dyer Rd	NB	1	6	6	36	4
US Route 30	Glenwood Dyer Rd	NB	1	12	40	480	53
US Route 30	Glenwood Dyer Rd	NB	1	12	120	1440	160
US Route 30	Glenwood Dyer Rd	NB	1	12	30	360	40
US Route 30	Glenwood Dyer Rd	NB	1	12	20	240	27
US Route 30	Glenwood Dyer Rd	NB	1	6	40	240	27
US Route 30	Glenwood Dyer Rd	NB	1	12	8	96	11
US Route 30	Glenwood Dyer Rd	NB	1	12	100	1200	133
US Route 30	Glenwood Dyer Rd	NB	1	12	8	96	11
US Route 30	Glenwood Dyer Rd	NB	1	12	8	96	11
Glenwood Dyer Rd	Glenwood Lansing Rd	NB	1	6	400	2400	267
Glenwood Dyer Rd	Glenwood Lansing Rd	NB	1	6	100	600	67
Glenwood Dyer Rd	Glenwood Lansing Rd	NB	1	6	200	1200	133
Glenwood Dyer Rd	Glenwood Lansing Rd	NB	1	6	100	600	67
Glenwood Dyer Rd	Glenwood Lansing Rd	NB	1	6	100	600	67
Glenwood Dyer Rd	Glenwood Lansing Rd	NB	1	6	100	600	67
Glenwood Lansing Rd	183rd ST	NB	1	6	100	600	67
Glenwood Lansing Rd	183rd ST	NB	1	6	100	600	67
Glenwood Lansing Rd	183rd ST	NB	1	12	6	72	8
Glenwood Lansing Rd	183rd ST	NB	1	12	6	72	8
Glenwood Lansing Rd	183rd ST	NB	1	6	100	600	67
Glenwood Lansing Rd	183rd ST	NB	1	12	6	72	8
Glenwood Lansing Rd	183rd ST	NB	1	12	6	72	8
Glenwood Lansing Rd	183rd ST	NB	1	12	10	120	13
187th ST	183rd ST	NB	2	12	6	72	8
187th ST	183rd ST	NB	2	12	6	72	8
187th ST	183rd ST	NB	2	12	6	72	8
187th ST	183rd ST	NB	2	12	6	72	8

TOTALS: 4718 FT 3440 SY

FILE NAME =	USER NAME = wilgreendp	DESIGNED -	REVISED - 7/17/08 - DPW	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PATCHING SCHEDULE TORRENCE AVE.			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw_work\PWIDOT\WILGREENDP\0125091\0	sign.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	
	PLOT SCALE = 100.0000 / IN.	CHECKED -	REVISED -								COOK	30	20
	PLOT DATE = 2/6/2009	DATE -	REVISED -								CONTRACT NO. 60G25		

ROUTE: US-30 (Harlem Ave. to I-57)

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						
I-57	Central Ave	WB	2	12	10	120	13
			2	12	8	96	11
Central Ave	Ridgeland	WB	LL	2	15	30	3
			1	2	75	150	17
			2	12	6	72	8
			LL	2	50	100	11
			1	12	6	72	8
Ridgeland	Harlem Ave	WB	LTL	2	50	100	11
			2	12	6	72	8
			2	12	6	72	8
			LL	2	10	20	2
			2	12	6	72	8
			LL	2	80	160	18
			1	12	6	72	8
			2	12	6	72	8
			2	2	10	20	2
			2	2	8	16	2
			2	2	20	40	4
			LL	2	70	140	16
			LL	2	70	140	16
			LL	2	50	100	11
			1	12	6	72	8
			2	12	8	96	11
			2	2	50	100	11
			LL	2	75	150	17
			1	12	6	72	8
Harlem Ave	Ridgeland	EB	LL	2	150	300	33
			LL	2	70	140	16
			LL	2	150	300	33
			LL	2	100	200	22
			LL	2	50	100	11
			LL	2	150	300	33
			LL	2	70	140	16
			LL	2	100	200	22
			LL	2	120	240	27
			1	12	6	72	8
			LL	2	150	300	33
			LL	2	70	140	16
			LL	2	75	150	17
			LL	2	50	100	11
			LL	2	1000	2000	222
			LL	2	3	60	7
			LL	2	100	200	22
			LL	2	500	1000	111
Ridgeland	Central ave	EB	LL	2	150	200	33
			LL	2	300	200	67
			LL	2	400	800	89
			LL	2	300	600	67
			LL	2	100	200	22
			LL	2	300	600	67
			LL	2	100	200	22
			LL	2	200	400	44
			LL	2	100	200	22
			LL	2	50	100	11
			LL	2	50	100	11
Central ave	I-57 (none)	EB					

TOTAL 5677 FT 1363 SY

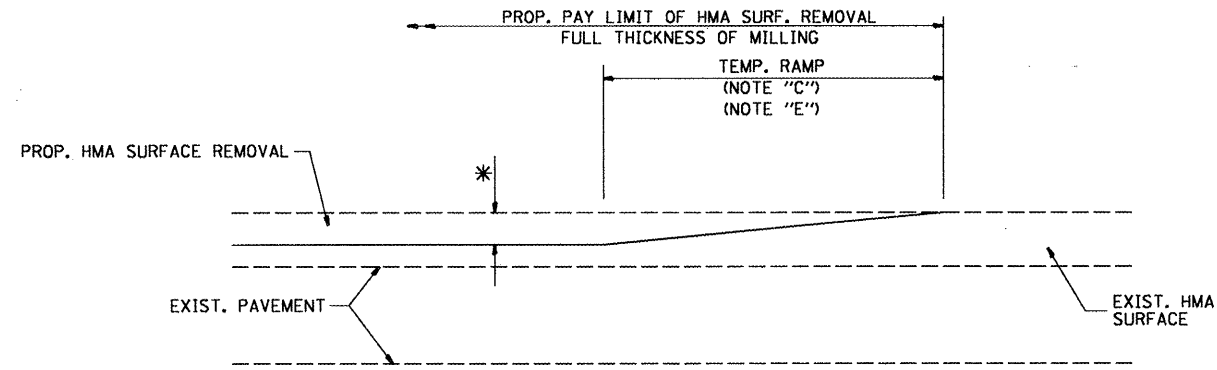
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ct:\p\work\PWIDOT\WILGREENDP\0125091\Design.dgn	DESIGNED -	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -									COOK	30	21
	PLOT DATE = 2/6/2009	DATE -	REVISED -									CONTRACT NO. 60625		

ROUTE: US 45 (119th Street to 111th Street)

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						
119th Street	111th Street	NB	1	12	6	72	8
119th Street	111th Street	NB	1	12	50	600	67
119th Street	111th Street	NB	1	12	15	180	20
119th Street	111th Street	NB	1	12	6	72	8
119th Street	111th Street	NB	1	12	20	240	27
119th Street	111th Street	NB	1	12	6	72	8
119th Street	111th Street	NB	2	12	10	120	13
119th Street	111th Street	SB	1	12	6	72	8
119th Street	111th Street	SB	1	12	6	72	8
119th Street	111th Street	SB	1	12	300	3600	400
119th Street	111th Street	SB	1	2	200	400	44
119th Street	111th Street	SB	1	12	12	144	16
119th Street	111th Street	SB	1	2	300	600	67
119th Street	111th Street	SB	1	2	50	100	11
119th Street	111th Street	SB	1	2	100	200	22
119th Street	111th Street	SB	1	2	25	50	6
119th Street	111th Street	SB	1	2	50	100	11
119th Street	111th Street	SB	1	2	75	150	17
119th Street	111th Street	SB	1	2	25	50	6
119th Street	111th Street	SB	1	2	400	800	89
119th Street	111th Street	SB	1	2	200	400	44
119th Street	111th Street	SB	1	2	200	400	44
119th Street	111th Street	SB	2	12	6	72	8
119th Street	111th Street	SB	2	12	6	72	8
119th Street	111th Street	SB	2	12	6	72	8
119th Street	111th Street	SB	2	12	6	72	8
119th Street	111th Street	SB	2	12	50	600	67
119th Street	111th Street	SB	2	12	10	120	13
119th Street	111th Street	SB	2	12	15	180	20

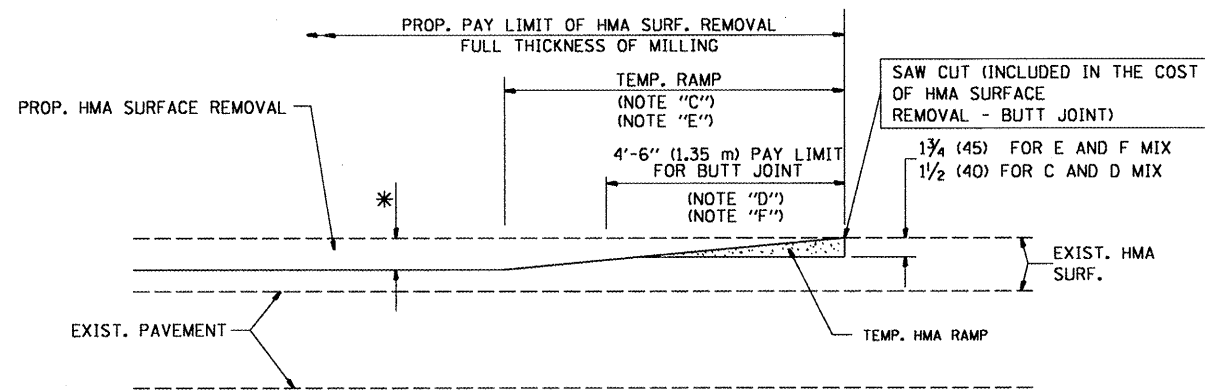
TOTALS: 2167.0 1083.8
FT SY

FILE NAME = c:\pw_work\PW100T\WILGREENP\d0125091\01.dgn	USER NAME = wilgreendp	DESIGNED - DRAWN -	REVISED - 7/17/08 - DPW REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PATCHING SCHEDULE US 45	F.A. RTE. VAR.	SECTION 2009-026 PP	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 22	CONTRACT NO. 60G25
PLOT SCALE = 100.0000' / IN.	PLOT DATE = 2/6/2009	CHECKED -	REVISED -	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)

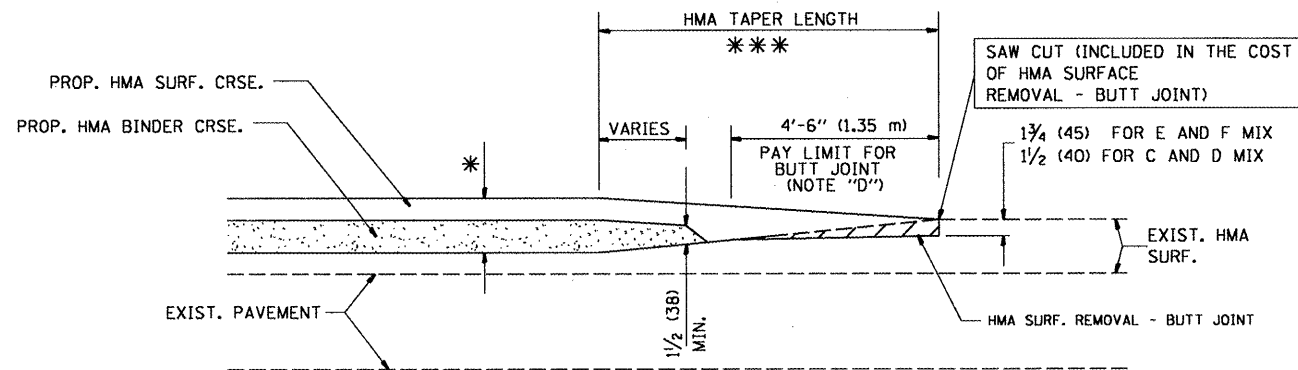
OPTION 1



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

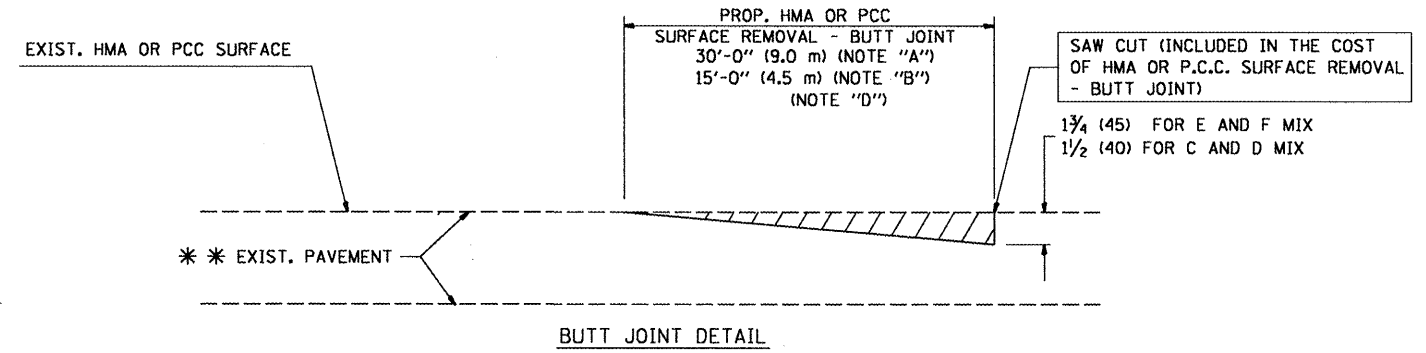
OPTION 2

TYPICAL TEMPORARY RAMP

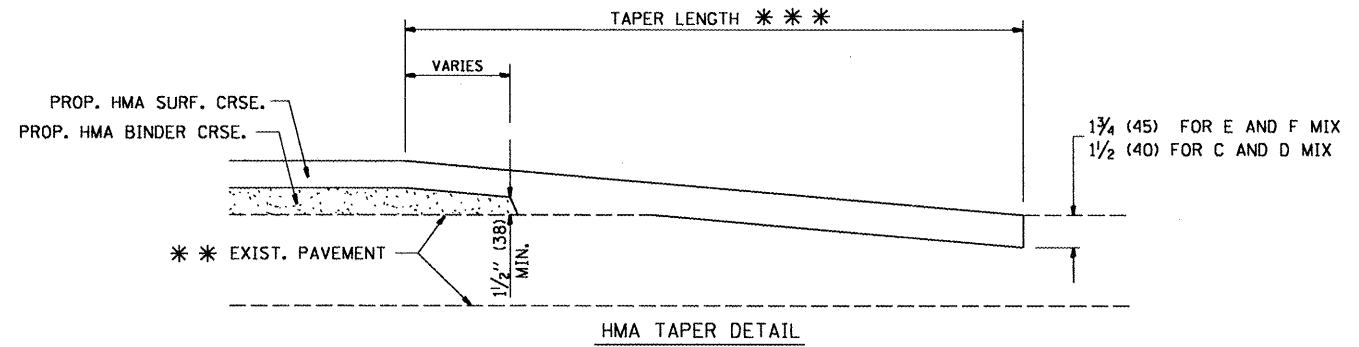


BUTT JOINT AND
HMA TAPER

**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.

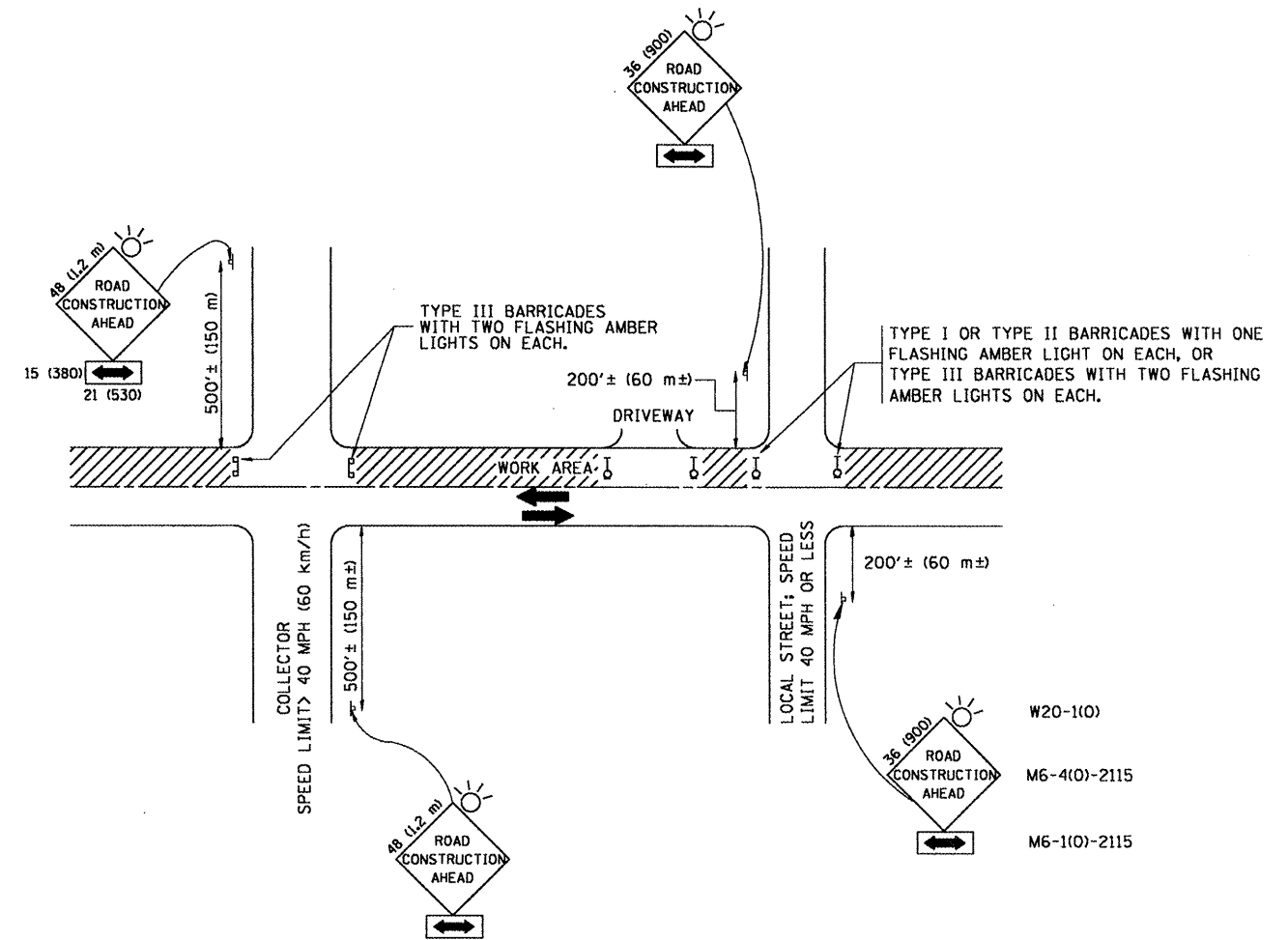
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		CHECKED -	REVISED - M. GOMEZ 04-06-01
		DATE - 06-13-90	REVISED - R. BORO 01-01-07

**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.	2009-026 PP	COOK	30	23
BD400-05 BD32		CONTRACT NO. 60G25		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

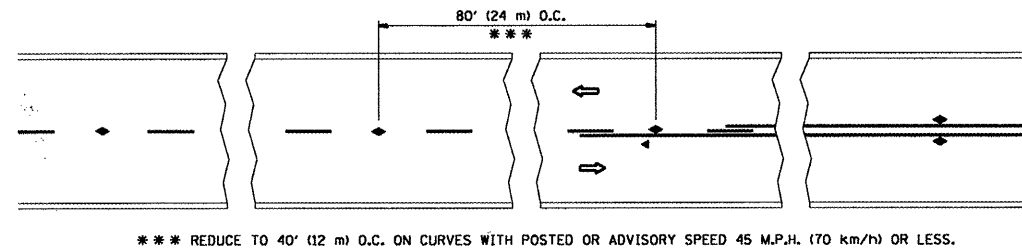
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

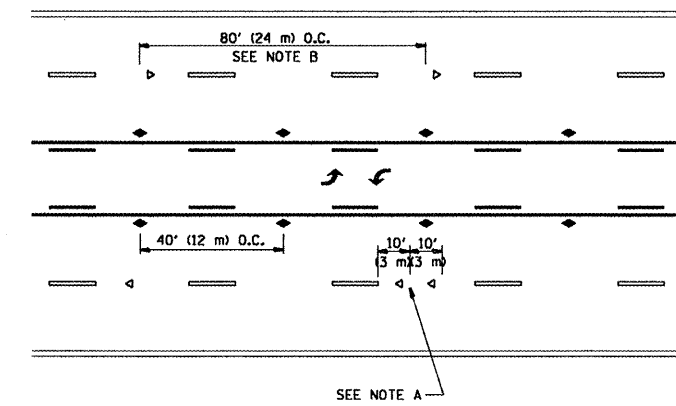
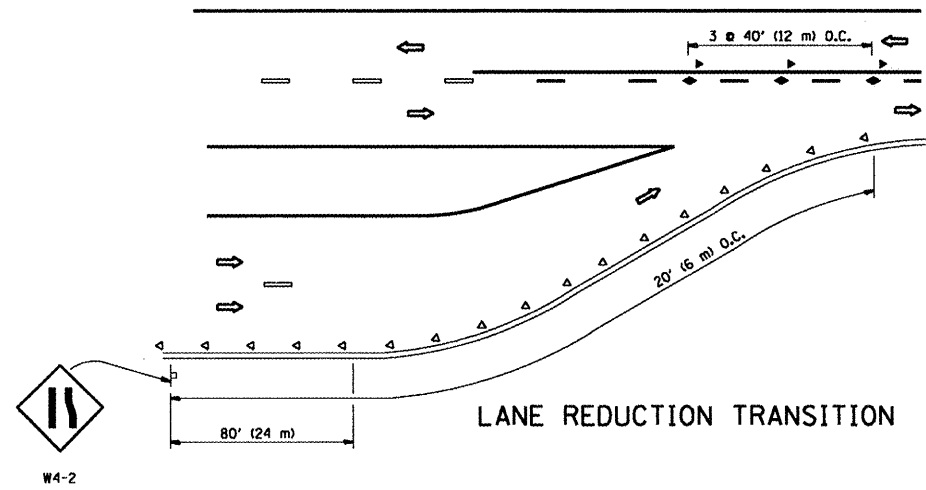
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

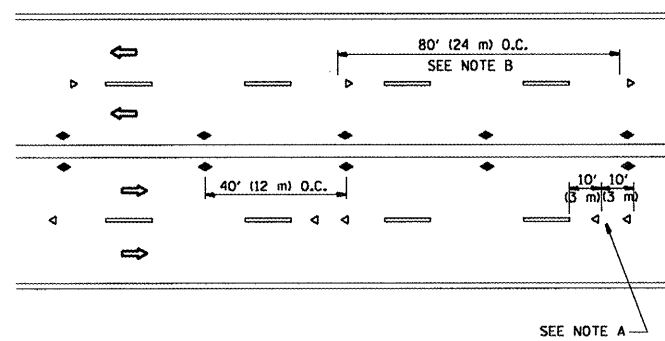
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TC-10			CONTRACT NO. 60G25	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



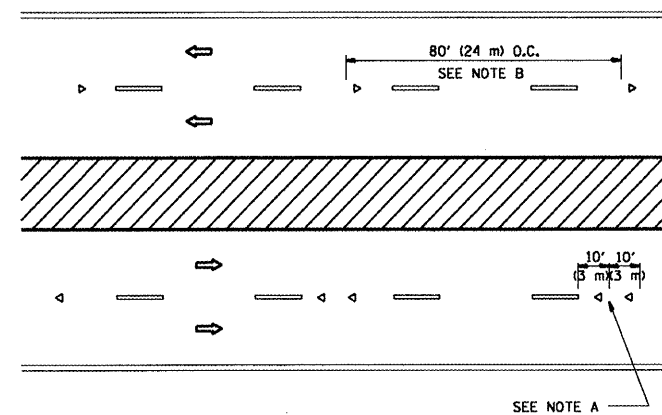
TWO-LANE/TWO-WAY



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

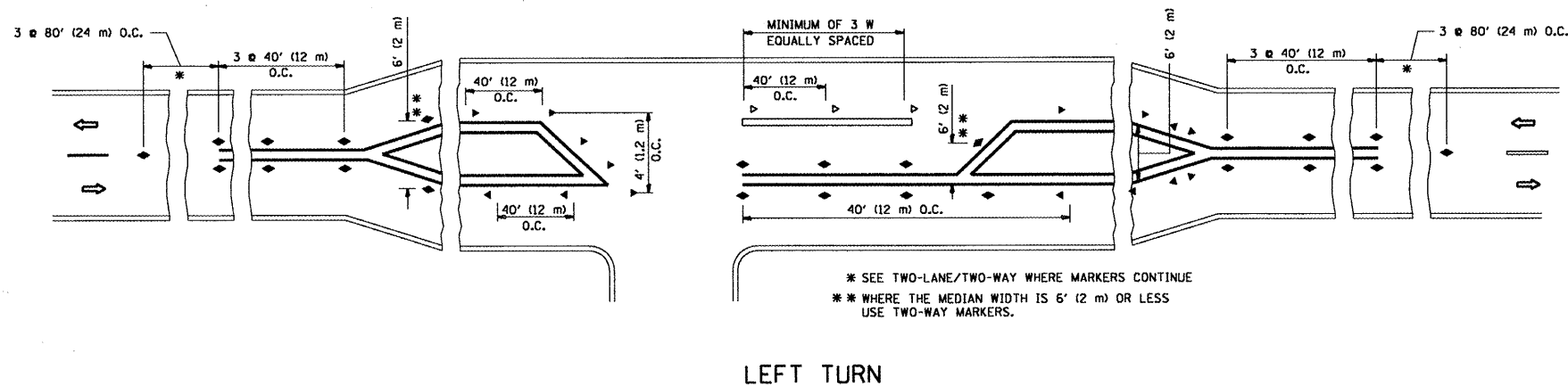
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



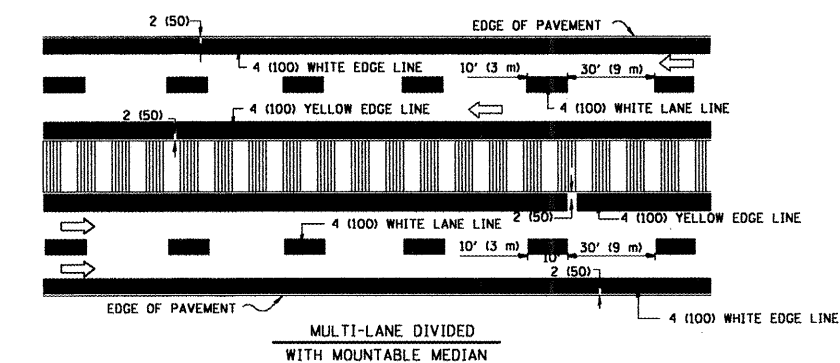
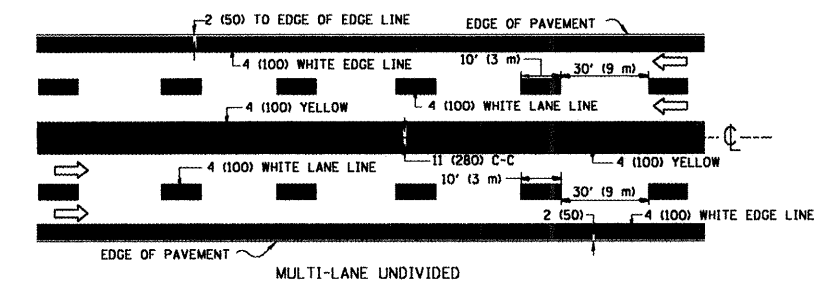
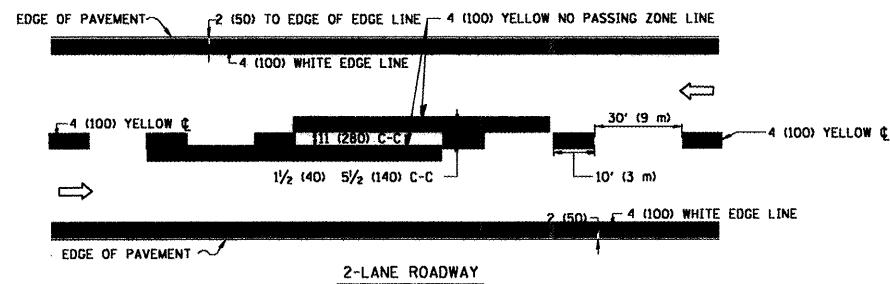
All dimensions are in inches (millimeters) unless otherwise shown.

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PLOT SCALE = 100.0000" / IN.		CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 2/3/2009		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

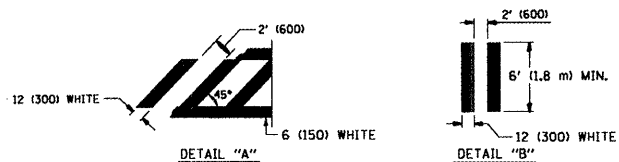
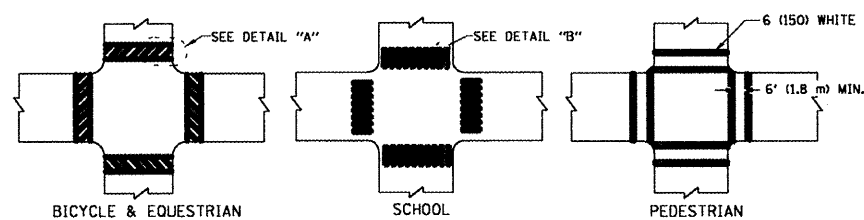
TYPICAL APPLICATIONS	
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-026 PP	COOK	30	25
TC-11			CONTRACT NO. 60G25	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

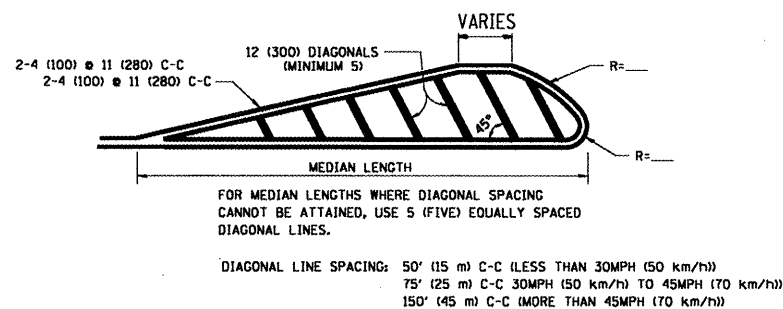
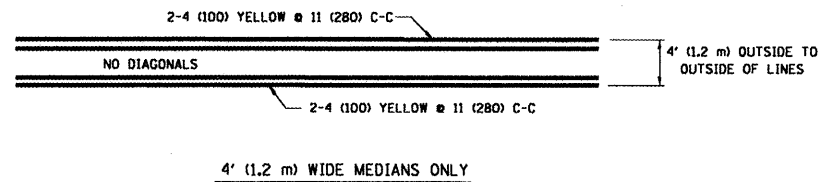


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

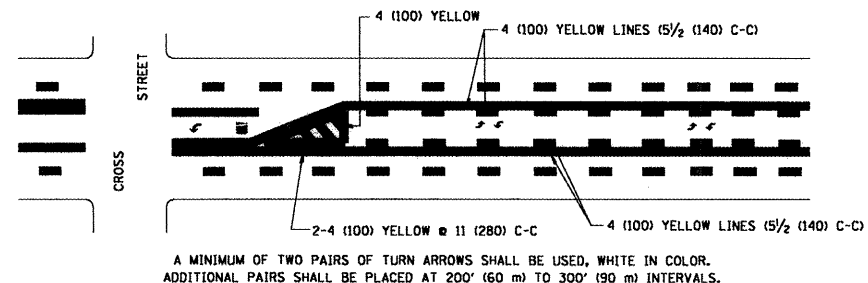
TYPICAL LANE AND EDGE LINE MARKING



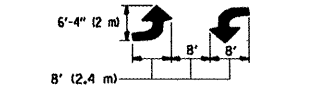
TYPICAL CROSSWALK MARKING



MEDIANS OVER 4' (1.2 m) WIDE

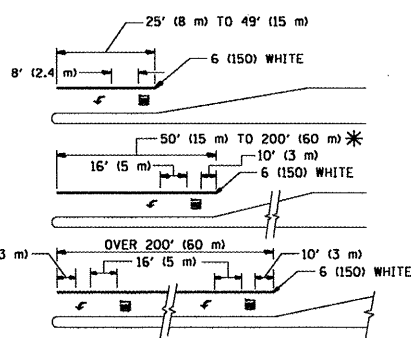


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

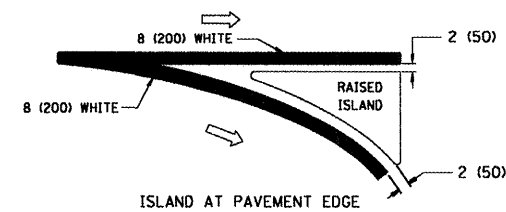
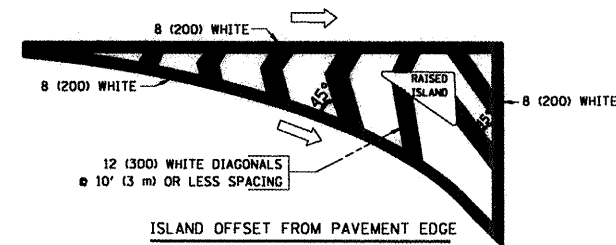


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) — AREA = 20.8 SQ. FT. (1.9 m²)

* 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	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	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: "RR"=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.

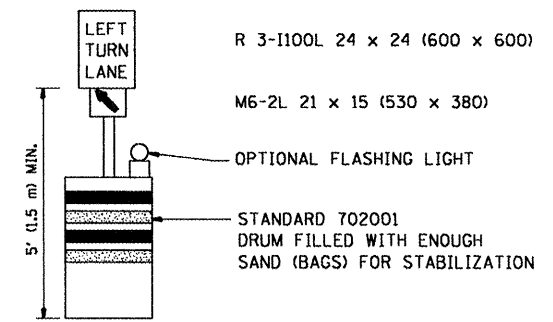
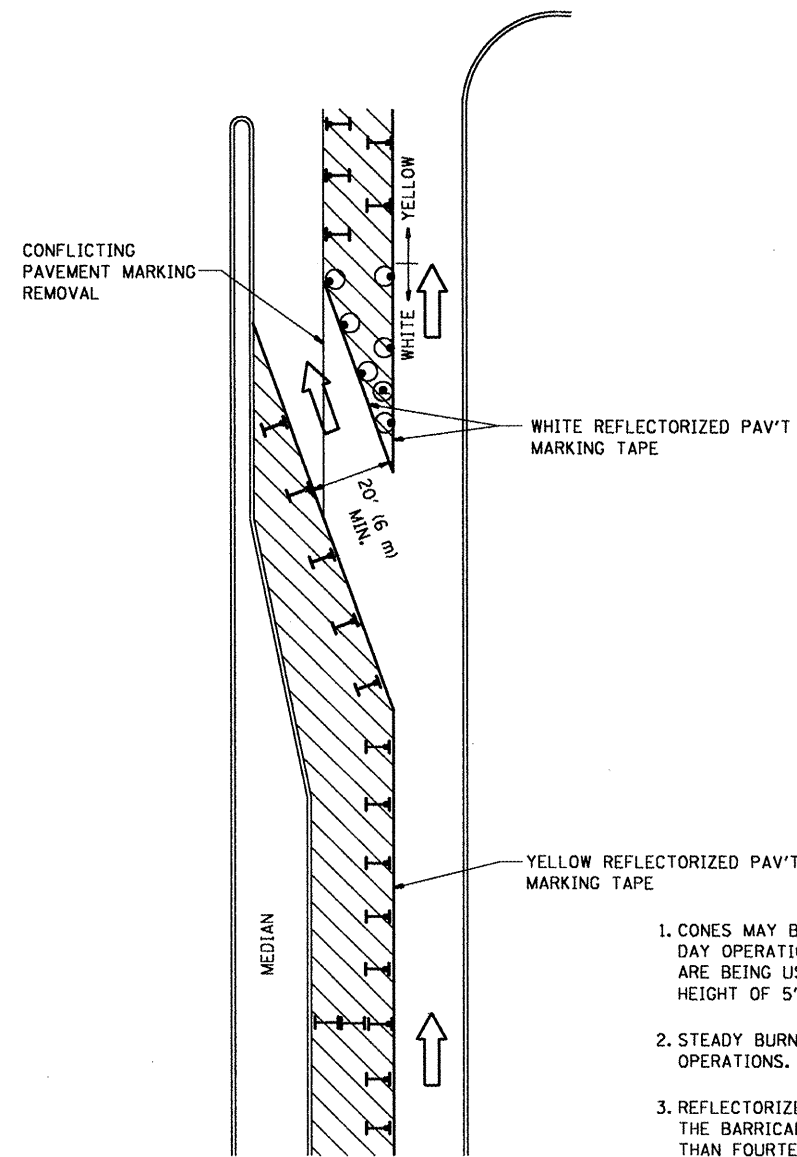
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-026 PP	COOK	30	26
TC-13			CONTRACT NO. 60G25	
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				

FILE_NAME =	USER NAME = sm1thk1	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
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PLOT DATE = 2/3/2009	DATE - 03-19-90	REVISED - T. RAMMACHER 01-06-00	

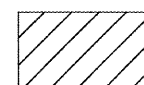


GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND



WORK AREA



LANE OPEN TO TRAFFIC



TYPE I OR II BARRICADE WITH STEADY BURN LIGHT



DRUM WITH STEADY BURN LIGHT



DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL



TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

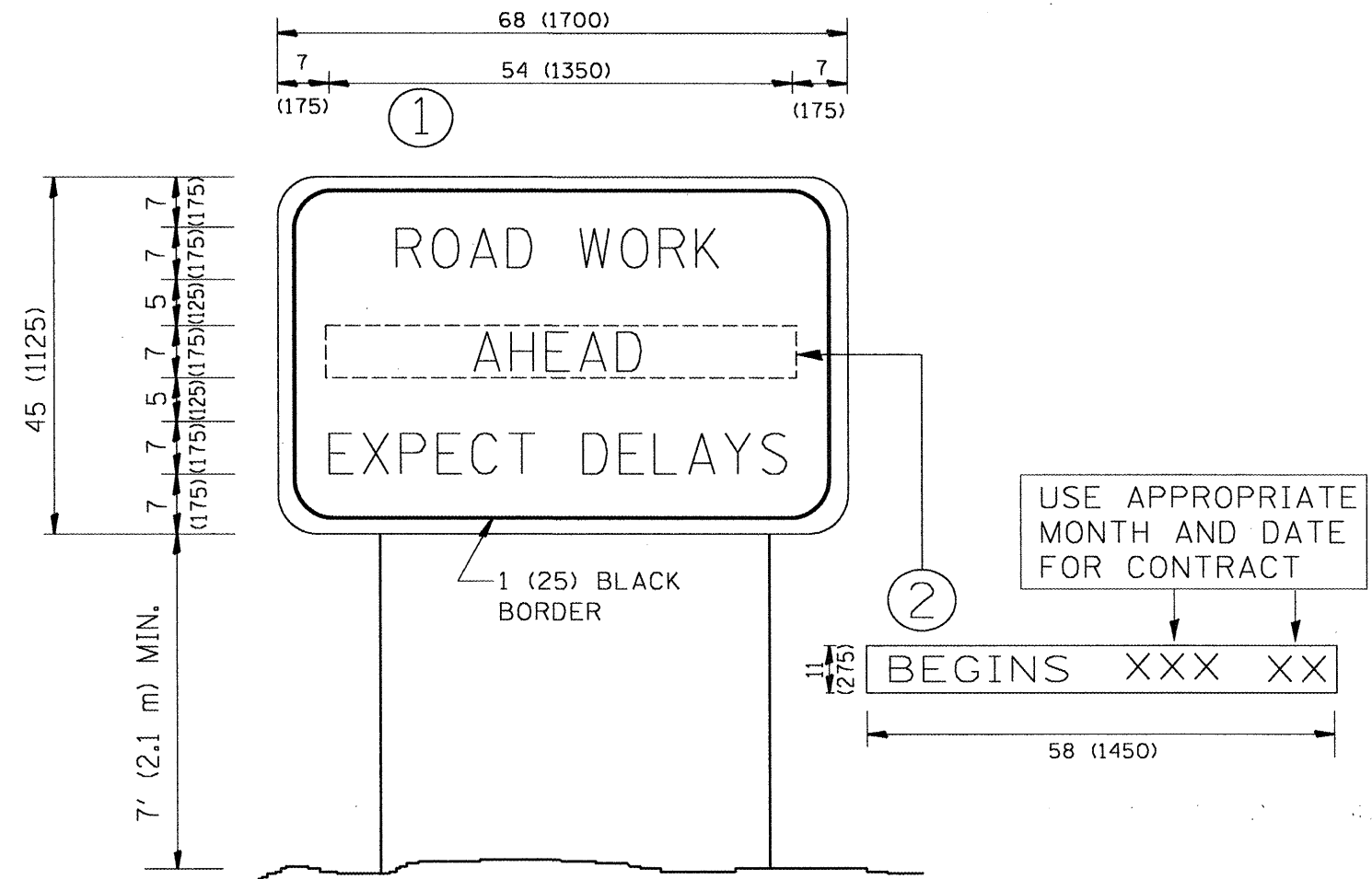
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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es:\pw_work\VPWIDOT\SMITHKL\d0125091\01st	td.dgn	DRAWN -	REVISED - A. HOUSEH 11-07-95
		CHECKED -	REVISED - A. HOUSEH 10-12-96
		DATE -	REVISED -T. RAMMACHER 01-06-00

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-026 PP	COOK	30	27
TC-14			CONTRACT NO. 60C25	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

FILE NAME =	USER NAME = smthkl	DESIGNED -	REVISED - R. MIRS 09-15-97
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PLOT SCALE = 100.0000 "/ IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	
PLOT DATE = 2/3/2009	DATE -	REVISED - C. JUCIUS 01-31-07	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

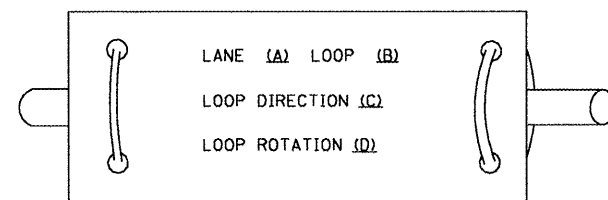
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-22			CONTRACT NO. 60G25	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

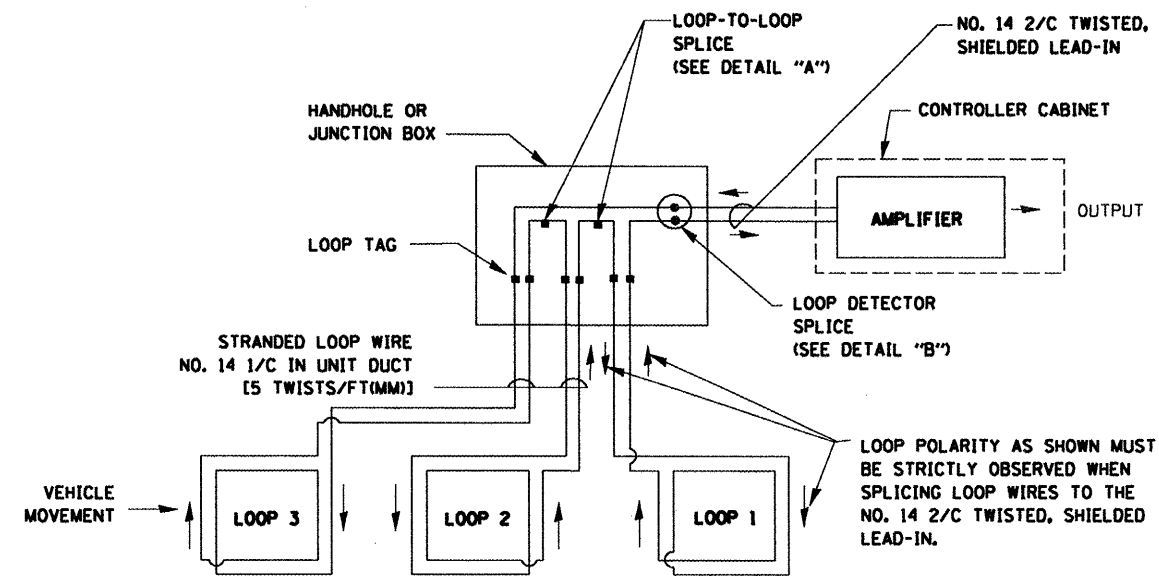
LOOP DETECTOR NOTES

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- PERFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

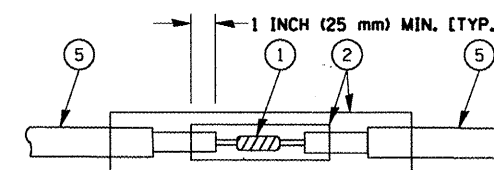


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

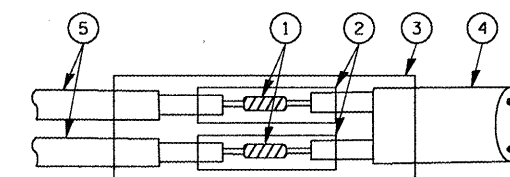


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

- WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- NO. 14 2/C TWISTED, SHIELDED CABLE.
- LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

FILE NAME =	USER NAME = smthkl	DESIGNED - D.A.D.	REVISED - 11-12-01
ca\pw_work\PWIDOT\SMITHKL\d0125091\01st.dgn		DRAWN - R.W.P.	REVISED - BUR. TRAFFIC 01-01-02
		CHECKED - D.A.Z.	REVISED -
		DATE - 05-30-00	REVISED -

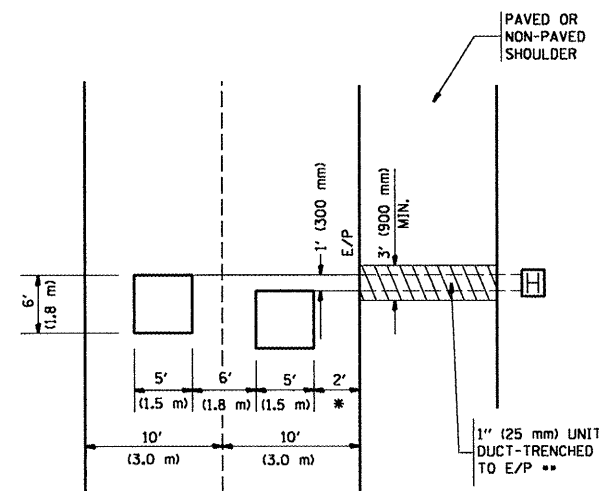
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-026 PP	COOK	30	29
TS-05			CONTRACT NO. 60G25	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

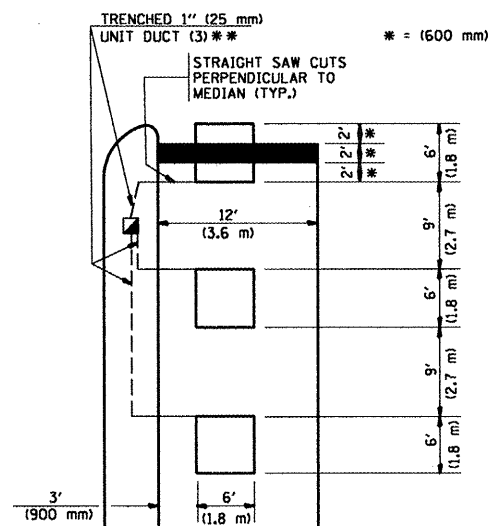
PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



* = (600 mm)

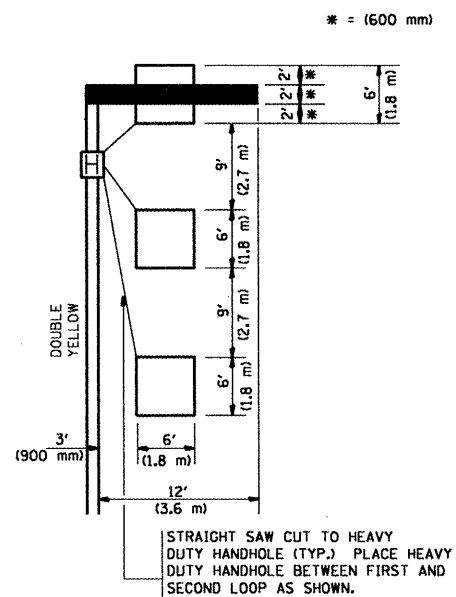
** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**



** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**



NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

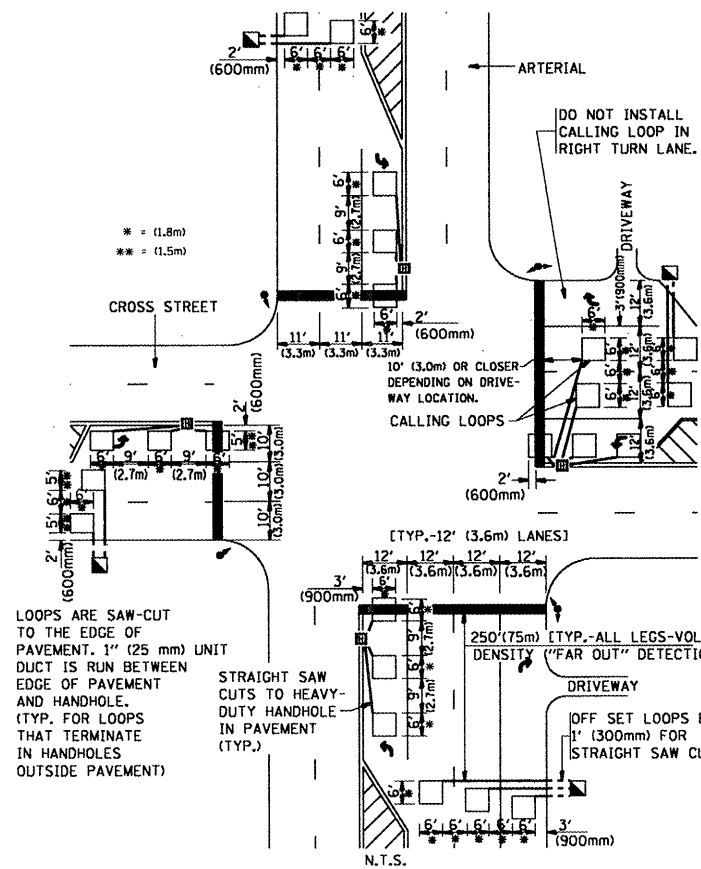
LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE: ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

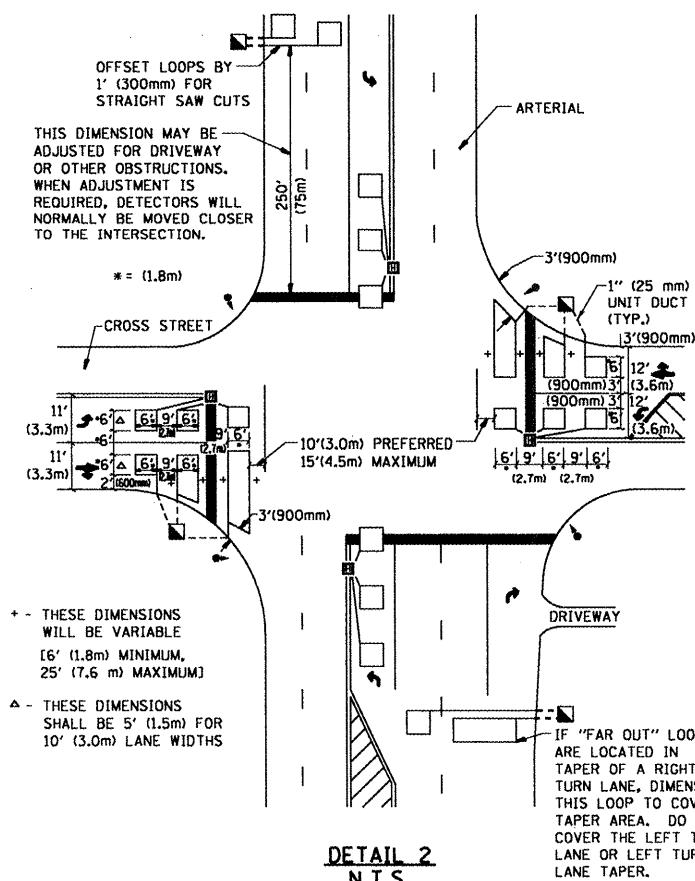
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



**DETAIL 1
N.T.S.**

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



**DETAIL 2
N.T.S.**

FILE NAME =	USER NAME = smthk1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwwork\pwwork\SMITHKL\02125091\DistStd.dgn		DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	2009-026 PP	COOK	30	30
		CHECKED - R.K.F.	REVISED -						TS-07		CONTRACT NO. 60G25	
		DATE -	REVISED -						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			