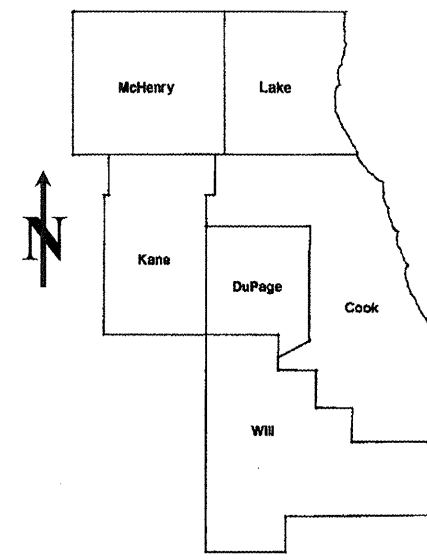


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2009-019 PP	LAKE	44	1

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

CONTRACT NO. 60G18

D-91-349-09



LOCATION OF IMPROVEMENT INDICATED THUS:

FOR INDEX OF SHEETS SEE SHEET 2

VARIOUS ROUTES
 SECTION: 2009-019 PP
 VARIOUS LOCATIONS IN WEST LAKE COUNTY
 INTERMITTENT PAVEMENT RESURFACING
 PROJECT: *ESP-0005(656)*
 LAKE COUNTY
 C-91-349-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
 SUBMITTED: FEBRUARY 5, 2009
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

CONTRACT NO. 60G18

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

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
6-36	PATCHING SCHEDULE
37	BUTT JOINT AND HMA TAPER DETAILS
38	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
39	TYPICAL APPLICATIONS: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
40	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
41	TRAFFIC CONTROL AND PROTECTION OF TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
42	ARTERIAL ROAD INFORMATION SIGN
43	STANDARD TRAFFIC SIGNAL DESIGN DETAILS
44	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
701601-06	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
701901-01	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. DEBBIE HANLON, AREA TRAFFIC FIELD ENGINEER AT (847) 438-2300 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 =	USER NAME = emthkl	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.	
ca\pwwork\PW1001\SMITHKL\d0125025\Drawn.dgn		DRAWN -	REVISED -			VAR.	2009-019-PP	LAKE	44	2	
PLOT SCALE = 103.7051' / IN.		CHECKED -	REVISED -			CONTRACT NO. 60G18					
PLOT DATE = 2/6/2009		DATE -	REVISED -			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.	2009-019 PP	LAKE	44	3
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

CONTRACT NO. 60G18

SUMMARY OF QUANTITIES			URBAN 100% FED. TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		I000-2A				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	37	37				
40600300	AGGREGATE (PRIME COAT)	TON	182	182				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	273	273				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	3640	3640				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	10191	10191				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	90985	90985				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	L SUM	1	1				
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	27273	27273				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	9091	9091				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	110	110				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	150000	150000				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1800	1800				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	100	100				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	100	100				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1500	1500				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1500	1500				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	1000	1000				
X0322256	TEMPORARY INFORMATION SIGNING	SO FT	720	720				
0 20076600	TRAINEE	HRS	500	500				

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

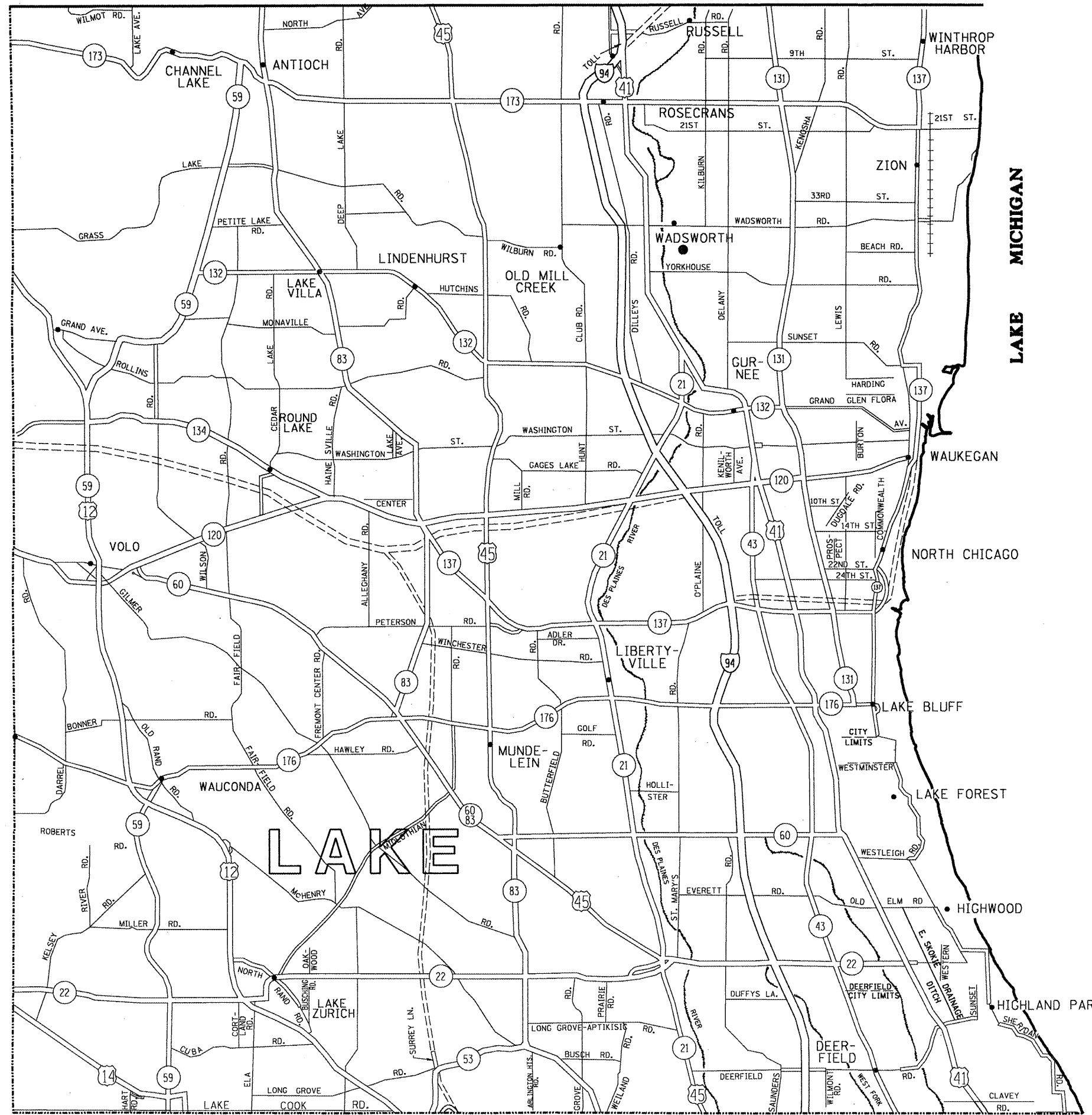
* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

PLOT DATE: 2/6/2009

2/6/2009 9:32:11 AM User=smithk



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL LOCATION MAP - LAKE COUNTY

FILE NAME =
c:\pwwork\pwwid01\SMITHKL\d0125025\Design.dgn

USER NAME = sm1thkl
PLOT SCALE = 100,0000' / IN.
PLOT DATE = 2/4/2009

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-019 PP	LAKE	44	4
CONTRACT NO. 60G18				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY - WEST LAKE COUNTY	HMA 2" MILL & RESURFACE (SY)
IL 173 (US 41 TO IL 83)	26926
IL 53 (IL 83 TO US 12)	841
IL 83 (LAKE COOK RD. TO BUFFALO GROVE RD.)	759
IL 132 (US 45 TO CEDAR LAKE RD.)	2514
IL 137 (WEST OF BUTTERFIELD RD. TO BULL CREEK RD.)	15278
IL 176 (IL 60/83 TO BUTTERFIELD RD.)	1080
IL 176 (DARREL RD. TO EAST OF US 12 INTERCHANGE)	460
IL 59 (US 14 TO IL 22)	1236
LAKE COOK RD. (HART RD. TO ASBURY LN)	3396
LAKE COOK RD. (QUENTIN RD. TO US 14)	2471
US 45 (SOUTH OF IL 83 TO IL 176)	3161
US 12 (LAND BRIDGES)	505
US 12 (STATE PARK RD. TO IL 22)	25475
US 14 (IL 22 TO IL 59)	6883
SUMMARY TOTALS:	90985
	SY

ROUTE: IL 173 (US 41 TO IL 83)

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						
Crawford Rd	IL 45	EB/WB		12	2	24	3
Crawford Rd	IL 45	EB/WB		12	2	24	3
Crawford Rd	IL 45	EB/WB		12	4	48	5
Crawford Rd	IL 45	EB/WB		12	4	48	5
Crawford Rd	IL 45	EB/WB		12	4	48	5
Crawford Rd	IL 45	EB/WB		12	4	48	5
Crawford Rd	IL 45	EB/WB		12	4	48	5
Crawford Rd	IL 45	EB/WB		12	4	48	5
Crawford Rd	IL 45	EB/WB		12	4	48	5
Crawford Rd	IL 45	EB/WB		12	4	48	5
Crawford Rd	IL 45	EB/WB		12	4	48	5
Crawford Rd	IL 45	EB/WB		12	4	48	5
Crawford Rd	IL 45	EB/WB		12	4	48	5
Crawford Rd	IL 45	EB/WB		12	6	72	8
Crawford Rd	IL 45	EB/WB		12	6	72	8
Crawford Rd	IL 45	EB/WB		12	6	72	8
Crawford Rd	IL 45	EB/WB		12	6	72	8
Crawford Rd	IL 45	EB/WB		12	6	72	8
Crawford Rd	IL 45	EB/WB		12	6	72	8
Crawford Rd	IL 45	EB/WB		12	6	72	8
Crawford Rd	IL 45	EB/WB		12	6	72	8
Crawford Rd	IL 45	EB/WB		12	6	72	8
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	12	144	16
Crawford Rd	IL 45	EB/WB		12	50	600	67
Crawford Rd	IL 45	EB/WB		12	50	600	67
Crawford Rd	IL 45	EB/WB		12	500	6000	667
Crawford Rd	IL 45	EB/WB		12	500	6000	667
Crawford Rd	IL 45	EB/WB		12	500	6000	667
Crawford Rd	IL 45	EB/WB		12	500	6000	667
Crawford Rd	IL 45	EB/WB		12	500	6000	667
Crawford Rd	IL 45	EB/WB		12	500	6000	667
Crawford Rd	IL 45	EB/WB		12	1000	12000	1333
Crawford Rd	IL 45	EB/WB		12	1000	12000	1333
Crawford Rd	IL 45	EB/WB		12	1000	12000	1333
Crawford Rd	IL 45	EB/WB		12	500	6000	667

ROUTE: IL 173 (US 41 TO IL 83)

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						
Crawford Rd	IL 45	EB/WB		12	500	6000	667
Crawford Rd	IL 45	EB/WB		12	500	6000	667
Crawford Rd	IL 45	EB/WB		12	1000	12000	1333
Crawford Rd	IL 45	EB/WB		2	2000	4000	444
Crawford Rd	IL 45	EB/WB		2	2000	4000	444
Crawford Rd	IL 45	EB/WB		2	2000	4000	444
Crawford Rd	IL 45	EB/WB		2	1000	2000	222
Crawford Rd	IL 45	EB/WB		2	1000	2000	222
Crawford Rd	IL 45	EB/WB		2	1000	2000	222
Crawford Rd	IL 45	EB/WB		2	1000	2000	222
Crawford Rd	IL 45	EB/WB		2	1000	2000	222
Crawford Rd	IL 45	EB/WB		2	1000	2000	222
Crawford Rd	IL 45	EB/WB		2	500	1000	111
Crawford Rd	IL 45	EB/WB		2	500	1000	111
Crawford Rd	IL 45	EB/WB		2	500	1000	111
Crawford Rd	IL 45	EB/WB		2	500	1000	111
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	2	24	3
IL 45	Savage Rd	EB/WB		12	4	48	5
IL 45	Savage Rd	EB/WB		12	4	48	5
IL 45	Savage Rd	EB/WB		12	4	48	5
IL 45	Savage Rd	EB/WB		12	4	48	5
IL 45	Savage Rd	EB/WB		12	4	48	5
IL 45	Savage Rd	EB/WB		12	4	48	5
IL 45	Savage Rd	EB/WB		12	4	48	5
IL 45	Savage Rd	EB/WB		12	4	48	5
IL 45	Savage Rd	EB/WB		12	4	48	5
IL 45	Savage Rd	EB/WB		12	4	48	5
IL 45	Savage Rd	EB/WB		12	6	72	8
IL 45	Savage Rd	EB/WB		12	6	72	8
IL 45	Savage Rd	EB/WB		12	8	96	11
IL 45	Savage Rd	EB/WB		12	8	96	11
IL 45	Savage Rd	EB/WB		12	8	96	11
IL 45	Savage Rd	EB/WB		12	8	96	11
IL 45	Savage Rd	EB/WB		12	12	144	16
IL 45	Savage Rd	EB/WB		12	12	144	16
IL 45	Savage Rd	EB/WB		12	12	144	16
IL 45	Savage Rd	EB/WB		12	12	144	16
IL 45	Savage Rd	EB/WB		12	12	144	16
IL 45	Savage Rd	EB/WB		12	12	144	16
IL 45	Savage Rd	EB/WB		12	12	144	16
IL 45	Savage Rd	EB/WB		12	12	144	16
IL 45	Savage Rd	EB/WB		12	12	144	16
IL 45	Savage Rd	EB/WB		12	12	144	16

CONTINUED ON NEXT SHEET

FILE NAME = c:\pwork\p\1001\SMITH\1\d0125025\Des...	USER NAME = smithk1 p.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PATCHING SCHEDULE IL 173	F.A. RTE. VAR.	SECTION 2009-019-PP	COUNTY LAKE	TOTAL SHEETS 44	SHEET NO. 7
PLOT SCALE = 1/8" = 1'-0" / IN.				DATE -	SCALE:	SHEET NO. OF SHEETS STA.	TO STA.	CONTRACT NO. 60G18		
PLOT DATE = 2/6/2009						ILLINOIS FED. AID PROJECT				

ROUTE: Rte 83 (Buffalo Grove Rd to Lake/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						
Lake/Cook Rd	Buffalo Grove Rd	NB	1	12	2	24	3
Lake/Cook Rd	Buffalo Grove Rd	NB	1	12	2	24	3
Lake/Cook Rd	Buffalo Grove Rd	NB	1	12	2	24	3
Lake/Cook Rd	Buffalo Grove Rd	NB	1	12	2	24	3
Lake/Cook Rd	Buffalo Grove Rd	NB	1	12	2	24	3
Lake/Cook Rd	Buffalo Grove Rd	NB	2	12	2	24	3
Lake/Cook Rd	Buffalo Grove Rd	NB	2	12	2	24	3
Lake/Cook Rd	Buffalo Grove Rd	NB	2	12	2	24	3
Lake/Cook Rd	Buffalo Grove Rd	NB	2	12	2	24	3
Lake/Cook Rd	Buffalo Grove Rd	NB	1	12	4	48	5
Lake/Cook Rd	Buffalo Grove Rd	NB	2	12	4	48	5
Lake/Cook Rd	Buffalo Grove Rd	NB	2	12	4	48	5
Lake/Cook Rd	Buffalo Grove Rd	NB	2	12	4	48	5
Lake/Cook Rd	Buffalo Grove Rd	NB	2	12	4	48	5
Lake/Cook Rd	Buffalo Grove Rd	NB	2	12	4	48	5
Lake/Cook Rd	Buffalo Grove Rd	NB	2	12	4	48	5
Lake/Cook Rd	Buffalo Grove Rd	NB	2	12	4	48	5
Lake/Cook Rd	Buffalo Grove Rd	NB	2	12	4	48	5
Lake/Cook Rd	Buffalo Grove Rd	NB	1	2	25	50	6
Lake/Cook Rd	Buffalo Grove Rd	NB	1	2	25	50	6
Lake/Cook Rd	Buffalo Grove Rd	NB	1	2	25	50	6
Lake/Cook Rd	Buffalo Grove Rd	NB	1	2	25	50	6
Lake/Cook Rd	Buffalo Grove Rd	NB	1	2	25	50	6
Lake/Cook Rd	Buffalo Grove Rd	NB	2	2	25	50	6
Lake/Cook Rd	Buffalo Grove Rd	NB	2	2	25	50	6
Lake/Cook Rd	Buffalo Grove Rd	NB	2	2	25	50	6
Lake/Cook Rd	Buffalo Grove Rd	NB	2	2	25	50	6
Lake/Cook Rd	Buffalo Grove Rd	NB	2	2	25	50	6
Lake/Cook Rd	Buffalo Grove Rd	NB	1	2	50	100	11
Lake/Cook Rd	Buffalo Grove Rd	NB	1	2	50	100	11
Lake/Cook Rd	Buffalo Grove Rd	NB	1	2	50	100	11
Lake/Cook Rd	Buffalo Grove Rd	NB	2	2	50	100	11
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Lake/Cook Rd	Buffalo Grove Rd	NB	2	2	50	100	11
Lake/Cook Rd	Buffalo Grove Rd	NB	2	2	50	100	11
Lake/Cook Rd	Buffalo Grove Rd	NB	2	2	50	100	11
Lake/Cook Rd	Buffalo Grove Rd	NB	1	12	25	300	33
Lake/Cook Rd	Buffalo Grove Rd	NB	2	12	25	300	33
Lake/Cook Rd	Buffalo Grove Rd	NB	2	12	25	300	33
Lake/Cook Rd	Buffalo Grove Rd	NB	1	2	100	200	22
Lake/Cook Rd	Buffalo Grove Rd	NB	1	2	100	200	22
Lake/Cook Rd	Buffalo Grove Rd	NB	2	2	100	200	22
Lake/Cook Rd	Buffalo Grove Rd	NB	2	2	100	200	22
Lake/Cook Rd	Buffalo Grove Rd	NB	2	2	100	200	22
Buffalo Grove Rd	Lake/Cook Rd	SB	1	12	2	24	3
Buffalo Grove Rd	Lake/Cook Rd	SB	1	12	2	24	3
Buffalo Grove Rd	Lake/Cook Rd	SB	1	12	2	24	3
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	2	24	3
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	2	24	3
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	2	24	3
Buffalo Grove Rd	Lake/Cook Rd	SB	1	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	1	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	1	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	1	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	1	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	1	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	1	12	4	48	5

ROUTE: Rte 83 (Buffalo Grove Rd to Lake/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						
Buffalo Grove Rd	Lake/Cook Rd	SB	1	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	1	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	2	12	4	48	5
Buffalo Grove Rd	Lake/Cook Rd	SB	1	2	25	50	6
Buffalo Grove Rd	Lake/Cook Rd	SB	1	2	25	50	6
Buffalo Grove Rd	Lake/Cook Rd	SB	1	2	25	50	6
Buffalo Grove Rd	Lake/Cook Rd	SB	1	2	25	50	6
Buffalo Grove Rd	Lake/Cook Rd	SB	2	2	25	50	6
Buffalo Grove Rd	Lake/Cook Rd	SB	2	2	25	50	6
Buffalo Grove Rd	Lake/Cook Rd	SB	2	2	25	50	6
Buffalo Grove Rd	Lake/Cook Rd	SB	2	2	25	50	6
Buffalo Grove Rd	Lake/Cook Rd	SB	1	2	50	100	11
Buffalo Grove Rd	Lake/Cook Rd	SB	1	2	50	100	11
Buffalo Grove Rd	Lake/Cook Rd	SB	1	2	50	100	11
Buffalo Grove Rd	Lake/Cook Rd	SB	1	2	50	100	11
Buffalo Grove Rd	Lake/Cook Rd	SB	1	2	50	100	11
Buffalo Grove Rd	Lake/Cook Rd	SB	1	2	50	100	11
Buffalo Grove Rd	Lake/Cook Rd	SB	1	2	50	100	11
Buffalo Grove Rd	Lake/Cook Rd	SB	2	2	50	100	11
Buffalo Grove Rd	Lake/Cook Rd	SB	2	2	50	100	11
Buffalo Grove Rd	Lake/Cook Rd	SB	2	2	50	100	11
Buffalo Grove Rd	Lake/Cook Rd	SB	2	2	50	100	11
Buffalo Grove Rd	Lake/Cook Rd	SB	2	2	50	100	11
Buffalo Grove Rd	Lake/Cook Rd	SB	2	2	50	100	11
Buffalo Grove Rd	Lake/Cook Rd	SB	2	2	50	100	11
Buffalo Grove Rd	Lake/Cook Rd	SB	2	2	50	100	11
Buffalo Grove Rd	Lake/Cook Rd	SB	2	2	50	100	11
Buffalo Grove Rd	Lake/Cook Rd	SB	2	2	50	100	11
Buffalo Grove Rd	Lake/Cook Rd	SB	2	2	50	100	11

TOTALS: 2194 FT 759 SY

FILE NAME =
c:\pwork\pwork\1001\SMITHKL\08125825\Des

USER NAME = smthkl
PLOT SCALE = 1/8" = 100'
PLOT DATE = 2/6/2009

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PATCHING SCHEDULE
IL ROUTE 83

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-019-PP	LAKE	44	10
CONTRACT NO. 60G18			ILLINOIS FED. AID PROJECT	

ROUTE: IL 132: US 45 to Cedar Lake 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						
US 45	Sand Lake Rd	WB	Joint	2	50	100	11
US 45	Sand Lake Rd	WB	Joint	2	50	100	11
US 45	Sand Lake Rd	WB		12	50	600	67
US 45	Sand Lake Rd	WB		12	4	48	5
US 45	Sand Lake Rd	WB		12	6	72	8
US 45	Sand Lake Rd	WB		12	4	48	5
US 45	Sand Lake Rd	WB		12	2	24	3
US 45	Sand Lake Rd	WB		12	2	24	3
Sand Lake Rd	Deep Lake Rd	WB	Joint	2	25	50	6
Sand Lake Rd	Deep Lake Rd	WB		12	6	72	8
Sand Lake Rd	Deep Lake Rd	WB		12	4	48	5
Sand Lake Rd	Deep Lake Rd	WB		12	4	48	5
Sand Lake Rd	Deep Lake Rd	WB		12	4	48	5
Sand Lake Rd	Deep Lake Rd	WB		12	4	48	5
Sand Lake Rd	Deep Lake Rd	WB		12	4	48	5
Sand Lake Rd	Deep Lake Rd	WB		12	4	48	5
Sand Lake Rd	Deep Lake Rd	WB		12	40	480	53
Sand Lake Rd	Deep Lake Rd	WB		12	2	24	3
Sand Lake Rd	Deep Lake Rd	WB		12	2	24	3
Deep Lake Rd	IL 83	WB	Joint	2	200	400	44
Deep Lake Rd	IL 83	WB	Joint	2	200	400	44
Deep Lake Rd	IL 83	WB	Joint	2	200	400	44
Deep Lake Rd	IL 83	WB	Joint	2	300	600	67
Deep Lake Rd	IL 83	WB	Joint	2	100	200	22
Deep Lake Rd	IL 83	WB	Joint	2	100	200	22
Deep Lake Rd	IL 83	WB	Joint	2	100	200	22
Deep Lake Rd	IL 83	WB		12	40	480	53
Deep Lake Rd	IL 83	WB		12	100	1200	133
Deep Lake Rd	IL 83	WB		12	50	600	67
Deep Lake Rd	IL 83	WB		12	4	48	5
Deep Lake Rd	IL 83	WB		12	2	24	3
Deep Lake Rd	IL 83	WB		12	2	24	3
IL 83	Cedar Lake Rd	WB	Joint	2	100	200	22
IL 83	Cedar Lake Rd	WB	Joint	2	100	200	22
IL 83	Cedar Lake Rd	WB	Joint	2	100	200	22
IL 83	Cedar Lake Rd	WB	Joint	2	100	200	22
IL 83	Cedar Lake Rd	WB	Joint	2	100	200	22
IL 83	Cedar Lake Rd	WB		12	12	144	16
IL 83	Cedar Lake Rd	WB		12	6	72	8
IL 83	Cedar Lake Rd	WB		12	6	72	8
IL 83	Cedar Lake Rd	WB		12	6	72	8
IL 83	Cedar Lake Rd	WB		12	10	120	13
IL 83	Cedar Lake Rd	WB		12	4	48	5
IL 83	Cedar Lake Rd	WB		12	6	72	8
IL 83	Cedar Lake Rd	WB		12	200	2400	267
IL 83	Cedar Lake Rd	WB		12	2	24	3
IL 83	Cedar Lake Rd	WB		12	2	24	3
Cedar Lake Rd	IL 83	EB		12	150	1800	200
Cedar Lake Rd	IL 83	EB		12	6	72	8
Cedar Lake Rd	IL 83	EB		12	6	72	8
Cedar Lake Rd	IL 83	EB		12	6	72	8
Cedar Lake Rd	IL 83	EB		12	6	72	8
Cedar Lake Rd	IL 83	EB		12	4	48	5
Cedar Lake Rd	IL 83	EB		12	10	120	13
Cedar Lake Rd	IL 83	EB		12	2	24	3
Cedar Lake Rd	IL 83	EB		12	2	24	3
Cedar Lake Rd	IL 83	EB		12	2	24	3
IL 83	Deep Lake Rd	EB	Joint	2	100	200	22
IL 83	Deep Lake Rd	EB	Joint	2	100	200	22
IL 83	Deep Lake Rd	EB	Joint	2	100	200	22
IL 83	Deep Lake Rd	EB	Joint	2	200	400	44
IL 83	Deep Lake Rd	EB	Joint	2	100	200	22
IL 83	Deep Lake Rd	EB	Joint	2	50	100	11
IL 83	Deep Lake Rd	EB		12	10	120	13
IL 83	Deep Lake Rd	EB		12	10	120	13
IL 83	Deep Lake Rd	EB		12	6	72	8
IL 83	Deep Lake Rd	EB		12	6	72	8
IL 83	Deep Lake Rd	EB		12	6	72	8
IL 83	Deep Lake Rd	EB		12	4	48	5
IL 83	Deep Lake Rd	EB		12	4	48	5
IL 83	Deep Lake Rd	EB		12	2	24	3
IL 83	Deep Lake Rd	EB		12	2	24	3
IL 83	Deep Lake Rd	EB		12	2	24	3

ROUTE: IL 132: US 45 to Cedar Lake 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						
Deep Lake Rd	Sand Lake Rd	EB	Joint	2	20	40	4
Deep Lake Rd	Sand Lake Rd	EB	Joint	2	20	40	4
Deep Lake Rd	Sand Lake Rd	EB	Joint	2	20	40	4
Deep Lake Rd	Sand Lake Rd	EB	Joint	2	20	40	4
Deep Lake Rd	Sand Lake Rd	EB	Joint	2	20	40	4
Deep Lake Rd	Sand Lake Rd	EB	Joint	2	20	40	4
Deep Lake Rd	Sand Lake Rd	EB	Joint	2	200	400	44
Deep Lake Rd	Sand Lake Rd	EB	Joint	2	200	400	44
Deep Lake Rd	Sand Lake Rd	EB	Joint	2	100	200	22
Deep Lake Rd	Sand Lake Rd	EB	Joint	2	50	100	11
Deep Lake Rd	Sand Lake Rd	EB		12	50	600	67
Deep Lake Rd	Sand Lake Rd	EB		12	50	600	67
Deep Lake Rd	Sand Lake Rd	EB		12	20	240	27
Deep Lake Rd	Sand Lake Rd	EB		12	20	240	27
Deep Lake Rd	Sand Lake Rd	EB		12	6	72	8
Deep Lake Rd	Sand Lake Rd	EB		12	2	24	3
Deep Lake Rd	Sand Lake Rd	EB		12	2	24	3
Sand Lake Rd	US 45	EB	Joint	2	100	200	22
Sand Lake Rd	US 45	EB	Joint	2	100	200	22
Sand Lake Rd	US 45	EB	Joint	2	100	200	22
Sand Lake Rd	US 45	EB	Joint	2	100	200	22
Sand Lake Rd	US 45	EB	Joint	2	100	200	22
Sand Lake Rd	US 45	EB	Joint	2	100	200	22
Sand Lake Rd	US 45	EB	Joint	2	100	200	22
Sand Lake Rd	US 45	EB		12	4	48	5
Sand Lake Rd	US 45	EB		12	4	48	5
Sand Lake Rd	US 45	EB		12	4	48	5
Sand Lake Rd	US 45	EB		12	4	48	5
Sand Lake Rd	US 45	EB		12	6	72	8
Sand Lake Rd	US 45	EB		12	6	72	8
Sand Lake Rd	US 45	EB		12	6	72	8
Sand Lake Rd	US 45	EB		12	6	72	8
Sand Lake Rd	US 45	EB		12	6	72	8
Sand Lake Rd	US 45	EB		12	6	72	8
Sand Lake Rd	US 45	EB		12	6	72	8
Sand Lake Rd	US 45	EB		12	6	72	8
Sand Lake Rd	US 45	EB		12	6	72	8
Sand Lake Rd	US 45	EB		12	50	600	67
Sand Lake Rd	US 45	EB		12	50	600	67
Sand Lake Rd	US 45	EB		12	20	240	27
Sand Lake Rd	US 45	EB		12	2	24	3
Sand Lake Rd	US 45	EB		12	2	24	3

TOTALS: 5173 FT 2514 SY

ROUTE: IL 137 (West of Butterfield Rd to Bull Creek)

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						
W/O Butterfield Rd.	Bull Creek Dr.	WB	1 and 2	25	1500	37500	4167
W/O Butterfield Rd.	Bull Creek Dr.	WB	1 and 2	25	1500	37500	4167
W/O Butterfield Rd.	Bull Creek Dr.	EB	1 and 2	25	1500	37500	4167
W/O Butterfield Rd.	Bull Creek Dr.	EB	1 and 2	25	1000	25000	2778

TOTALS:

5500
FT

15278
SY

ROUTE: IL 176 (IL 60/83 to Butterfield 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						
IL 60/83	Midlothian Rd.	EB		12	4	48	5
IL 60/83	Midlothian Rd.	EB		12	4	48	5
IL 60/83	Midlothian Rd.	EB		12	2	24	3
IL 60/83	Midlothian Rd.	EB	Joint	2	200	400	44
Midlothian Rd.	US 45	EB		12	4	48	5
Midlothian Rd.	US 45	EB		12	4	48	5
Midlothian Rd.	US 45	EB		12	4	48	5
Midlothian Rd.	US 45	EB		12	12	144	16
Midlothian Rd.	US 45	EB		12	12	144	16
Midlothian Rd.	US 45	EB		12	12	144	16
Midlothian Rd.	US 45	EB		12	2	24	3
Midlothian Rd.	US 45	EB		12	2	24	3
Midlothian Rd.	US 45	EB		12	2	24	3
Midlothian Rd.	US 45	EB	Joint	2	500	1000	111
US 45	Butterfield Rd.	EB		12	4	48	5
US 45	Butterfield Rd.	EB		12	4	48	5
US 45	Butterfield Rd.	EB		12	6	72	8
US 45	Butterfield Rd.	EB		12	15	180	20
US 45	Butterfield Rd.	EB		12	2	24	3
US 45	Butterfield Rd.	EB		12	2	24	3
US 45	Butterfield Rd.	EB	Joint	2	200	400	44
US 45	Butterfield Rd.	EB	Joint	2	200	400	44
US 45	Butterfield Rd.	EB	Joint	2	200	400	44
US 45	Butterfield Rd.	EB	Joint	2	100	200	22
US 45	Butterfield Rd.	EB	Joint	2	100	200	22
US 45	Butterfield Rd.	EB	Joint	2	500	1000	111
Butterfield Rd.	US 45	WB	Joint	2	200	400	44
Butterfield Rd.	US 45	WB	Joint	2	200	400	44
Butterfield Rd.	US 45	WB	Joint	2	200	400	44
Butterfield Rd.	US 45	WB	Joint	2	200	400	44
Butterfield Rd.	US 45	WB	Joint	2	50	100	11
Butterfield Rd.	US 45	WB	Joint	2	50	100	11
Butterfield Rd.	US 45	WB		12	4	48	5
Butterfield Rd.	US 45	WB		12	4	48	5
Butterfield Rd.	US 45	WB		12	6	72	8
Butterfield Rd.	US 45	WB		12	2	24	3
US 45	Midlothian Rd.	WB		12	4	48	5
US 45	Midlothian Rd.	WB		12	4	48	5
US 45	Midlothian Rd.	WB		12	4	48	5
US 45	Midlothian Rd.	WB		12	6	72	8
US 45	Midlothian Rd.	WB		12	6	72	8
US 45	Midlothian Rd.	WB		12	15	180	20
US 45	Midlothian Rd.	WB		12	2	24	3
US 45	Midlothian Rd.	WB		12	2	24	3
US 45	Midlothian Rd.	WB	Joint	2	100	200	22
US 45	Midlothian Rd.	WB	Joint	2	100	200	22
US 45	Midlothian Rd.	WB	Joint	2	100	200	22
Midlothian Rd.	IL 60/83	WB	Joint	2	100	200	22
Midlothian Rd.	IL 60/83	WB	Joint	2	100	200	22
Midlothian Rd.	IL 60/83	WB	Joint	2	100	200	22
Midlothian Rd.	IL 60/83	WB		12	4	48	5
Midlothian Rd.	IL 60/83	WB		12	4	48	5
Midlothian Rd.	IL 60/83	WB		12	6	72	8
Midlothian Rd.	IL 60/83	WB		12	6	72	8
Midlothian Rd.	IL 60/83	WB		12	6	72	8
Midlothian Rd.	IL 60/83	WB		12	6	72	8
Midlothian Rd.	IL 60/83	WB		12	12	144	16
Midlothian Rd.	IL 60/83	WB		12	12	144	16
Midlothian Rd.	IL 60/83	WB		12	2	24	3
Midlothian Rd.	IL 60/83	WB		12	2	24	3

TOTALS: 3810 FT 1080 SY

FILE NAME =	USER NAME = smythk1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PATCHING SCHEDULE IL 176			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
os:\pvc\work\WIDDT\SMITHKL\d0125025\Designdgn		DRAWN -	REVISED -					VAR.	2009-019-PP	LAKE	44	13
PLOT SCALE = 1/8" = 100'		CHECKED -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60C18	
PLOT DATE = 2/6/2009		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

ROUTE: IL 176: Darrel Rd. to East end of US 12 interchange

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						
US 12	Darrel Rd.	WB		12	4	48	5
US 12	Darrel Rd.	WB		12	4	48	5
US 12	Darrel Rd.	WB		12	4	48	5
US 12	Darrel Rd.	WB		12	6	72	8
US 12	Darrel Rd.	WB		12	12	144	16
US 12	Darrel Rd.	WB		12	20	240	27
US 12	Darrel Rd.	WB		12	2	24	3
US 12	Darrel Rd.	WB		12	2	24	3
US 12	Darrel Rd.	WB		12	2	24	3
US 12	Darrel Rd.	WB	Joint	2	100	200	22
US 12	Darrel Rd.	WB	Joint	2	300	600	67
US 12	Darrel Rd.	EB	Joint	2	200	400	44
US 12	Darrel Rd.	EB	Joint	2	200	400	44
US 12	Darrel Rd.	EB	Joint	2	200	400	44
US 12	Darrel Rd.	EB	Joint	2	200	400	44
US 12	Darrel Rd.	EB		12	4	48	5
US 12	Darrel Rd.	EB		12	4	48	5
US 12	Darrel Rd.	EB		12	4	48	5
US 12	Darrel Rd.	EB		12	2	24	3
US 12	Darrel Rd.	EB		12	2	24	3
US 12	Darrel Rd.	EB		12	6	72	8
US 12	Darrel Rd.	EB		12	6	72	8
US 12	Darrel Rd.	EB		12	6	72	8
US 12	Darrel Rd.	EB		12	6	72	8
US 12	Darrel Rd.	EB		12	10	120	13
US 12	Darrel Rd.	EB		12	2	24	3
US 12	Darrel Rd.	EB		12	2	24	3
US 12	Darrel Rd.	EB		12	2	24	3

TOTALS: 1512 FT 460 SY

ROUTE: Rte 45 (South of Rte 83 to Rte 176)

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						
Rte 176	South of Rte 83	SB	1	2	100	200	22
Rte 176	South of Rte 83	SB	1	2	100	200	22
Rte 176	South of Rte 83	SB	1	2	100	200	22
Rte 176	South of Rte 83	SB	1	2	100	200	22
Rte 176	South of Rte 83	SB	2	2	100	200	22
Rte 176	South of Rte 83	SB	2	2	100	200	22
Rte 176	South of Rte 83	SB	2	2	100	200	22
Rte 176	South of Rte 83	SB	2	2	100	200	22
Rte 176	South of Rte 83	SB	2	2	100	200	22
Rte 176	South of Rte 83	SB	2	2	100	200	22
Rte 176	South of Rte 83	SB	2	2	100	200	22
Rte 176	South of Rte 83	SB	2	2	100	200	22
Rte 176	South of Rte 83	SB	2	2	100	200	22
Rte 176	South of Rte 83	SB	2	2	100	200	22
Rte 176	South of Rte 83	SB	2	2	100	200	22
Rte 176	South of Rte 83	SB	2	2	100	200	22
Rte 176	South of Rte 83	SB	2	2	100	200	22
Rte 176	South of Rte 83	SB	2	2	100	200	22
Rte 176	South of Rte 83	SB	2	2	100	200	22
Rte 176	South of Rte 83	SB	2	2	100	200	22
Rte 176	South of Rte 83	SB	2	2	100	200	22
Rte 176	South of Rte 83	SB	2	12	12	144	16
Rte 176	South of Rte 83	SB	2	12	12	144	16
Rte 176	South of Rte 83	SB	2	12	12	144	16

TOTALS: 9496 FT 3161 SY

ROUTE: US 12 (Land Bridges)

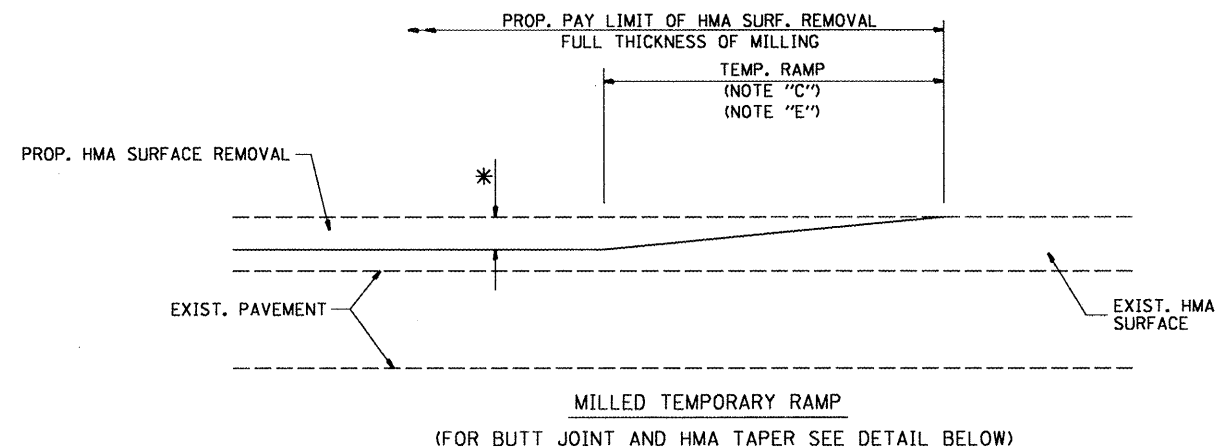
CROSS STREETS		DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
FROM	TO						
Molidor	IL 120	SB		12	2	24	3
Molidor	IL 120	SB		12	2	24	3
Molidor	IL 120	SB		12	2	24	3
Molidor	IL 120	SB		12	2	24	3
Molidor	IL 120	SB		12	2	24	3
Molidor	IL 120	SB		12	2	24	3
Molidor	IL 120	SB		12	4	48	5
Molidor	IL 120	SB		12	12	144	16
Molidor	IL 120	SB		12	12	144	16
Molidor	IL 120	SB		12	12	144	16
Molidor	IL 120	SB		12	12	144	16
Molidor	IL 120	SB		2	1000	2000	222
Molidor	IL 120	NB		12	2	24	3
Molidor	IL 120	NB		12	2	24	3
Molidor	IL 120	NB		12	2	24	3
Molidor	IL 120	NB		12	2	24	3
Molidor	IL 120	NB		12	2	24	3
Molidor	IL 120	NB		12	2	24	3
Molidor	IL 120	NB		12	2	24	3
Molidor	IL 120	NB		12	2	24	3
Molidor	IL 120	NB		12	4	48	5
Molidor	IL 120	NB		12	12	144	16
Molidor	IL 120	NB		12	12	144	16
Molidor	IL 120	NB		12	12	144	16
Molidor	IL 120	NB		12	12	144	16
Molidor	IL 120	NB		12	12	144	16
Molidor	IL 120	NB		12	12	144	16
Molidor	IL 120	NB		12	12	144	16
Molidor	IL 120	NB		12	12	144	16
Molidor	IL 120	NB		12	12	144	16
IL 120	Bonner	NB		12	2	24	3
IL 120	Bonner	NB		12	2	24	3
IL 120	Bonner	NB		12	2	24	3
IL 120	Bonner	NB		12	2	24	3
IL 120	Bonner	NB		12	12	144	16

TOTALS: 1212 505
FT SY

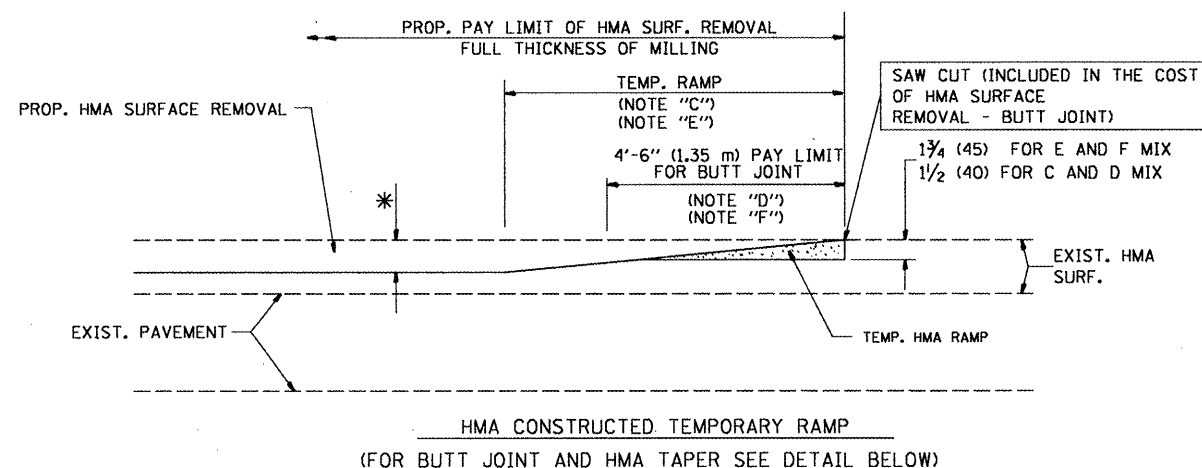
ROUTE: Route US 12 (State Park Road to N/O IL 22)

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						
Old McHenry Rd.	N/O IL 22	SB		12	50	600	67
Old McHenry Rd.	N/O IL 22	SB		12	50	600	67
Old McHenry Rd.	N/O IL 22	SB		12	50	600	67
Old McHenry Rd.	N/O IL 22	SB		12	50	600	67
Old McHenry Rd.	N/O IL 22	SB		12	50	600	67
Old McHenry Rd.	N/O IL 22	SB		12	50	600	67
Old McHenry Rd.	N/O IL 22	SB		12	50	600	67
Old McHenry Rd.	N/O IL 22	SB		12	50	600	67
Old McHenry Rd.	N/O IL 22	SB		12	50	600	67
Old McHenry Rd.	N/O IL 22	SB		12	50	600	67
Old McHenry Rd.	N/O IL 22	SB		12	50	600	67
Old McHenry Rd.	N/O IL 22	SB		12	50	600	67
Old McHenry Rd.	N/O IL 22	SB		12	50	600	67
Old McHenry Rd.	N/O IL 22	SB		12	50	600	67
Old McHenry Rd.	N/O IL 22	SB		12	50	600	67
Old McHenry Rd.	N/O IL 22	SB		12	100	1200	133
Old McHenry Rd.	N/O IL 22	SB		12	100	1200	133

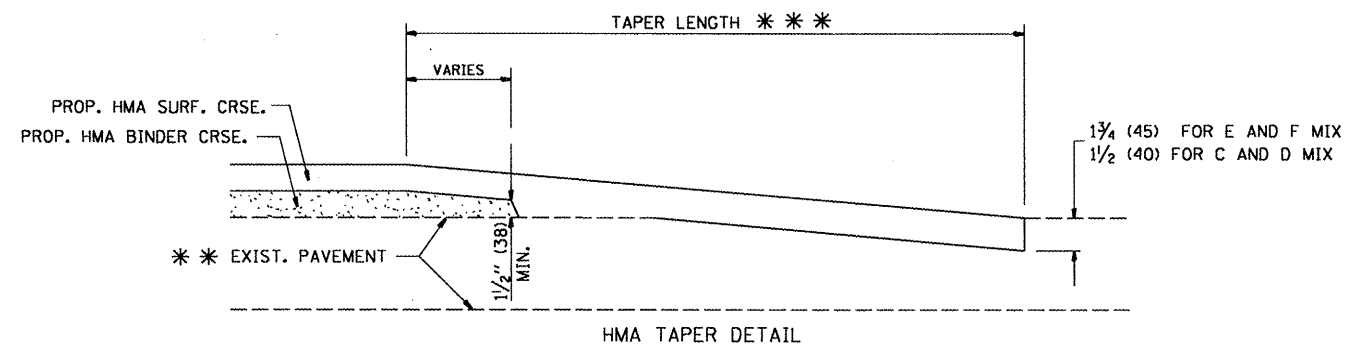
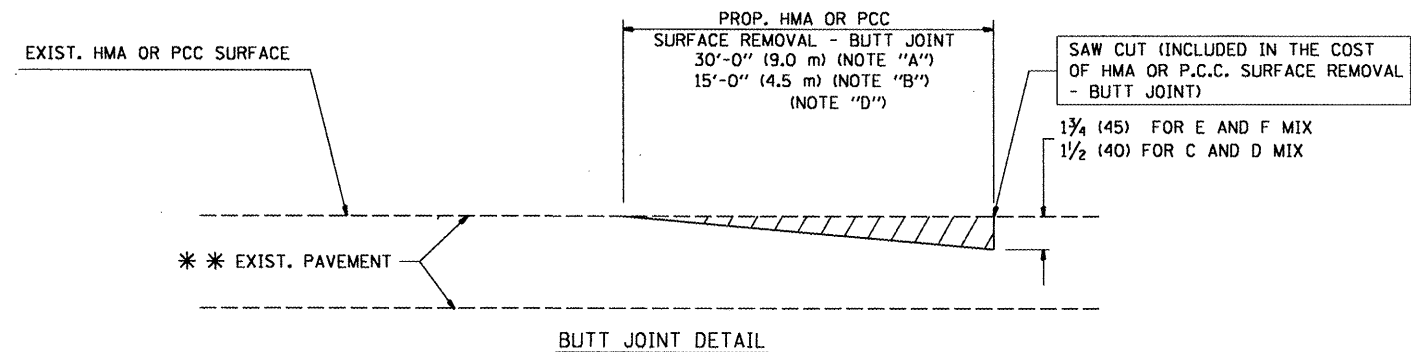
TOTALS: 61606 25475
FT SY



OPTION 1



**OPTION 2
TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY**

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

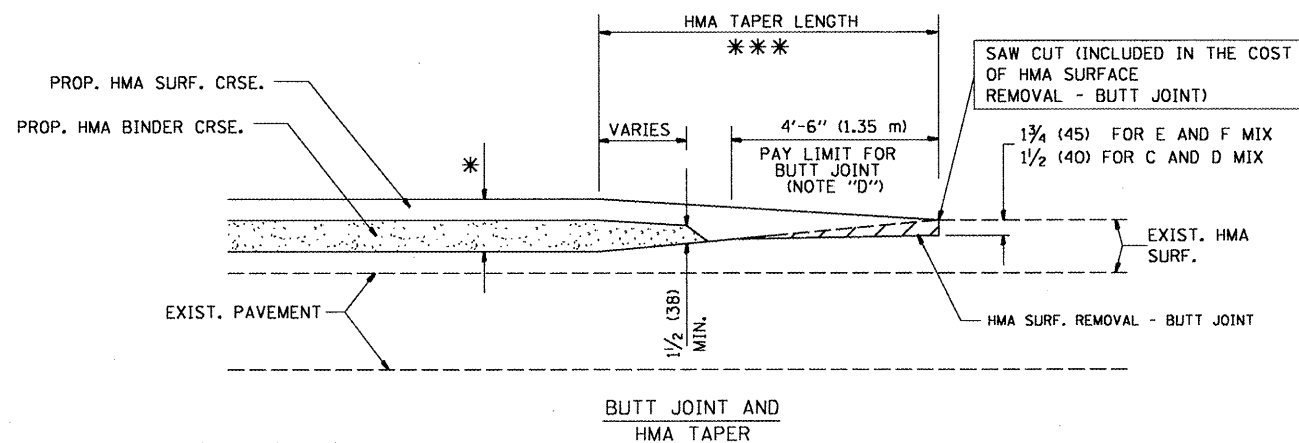
NOTES

- 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.



**TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING**

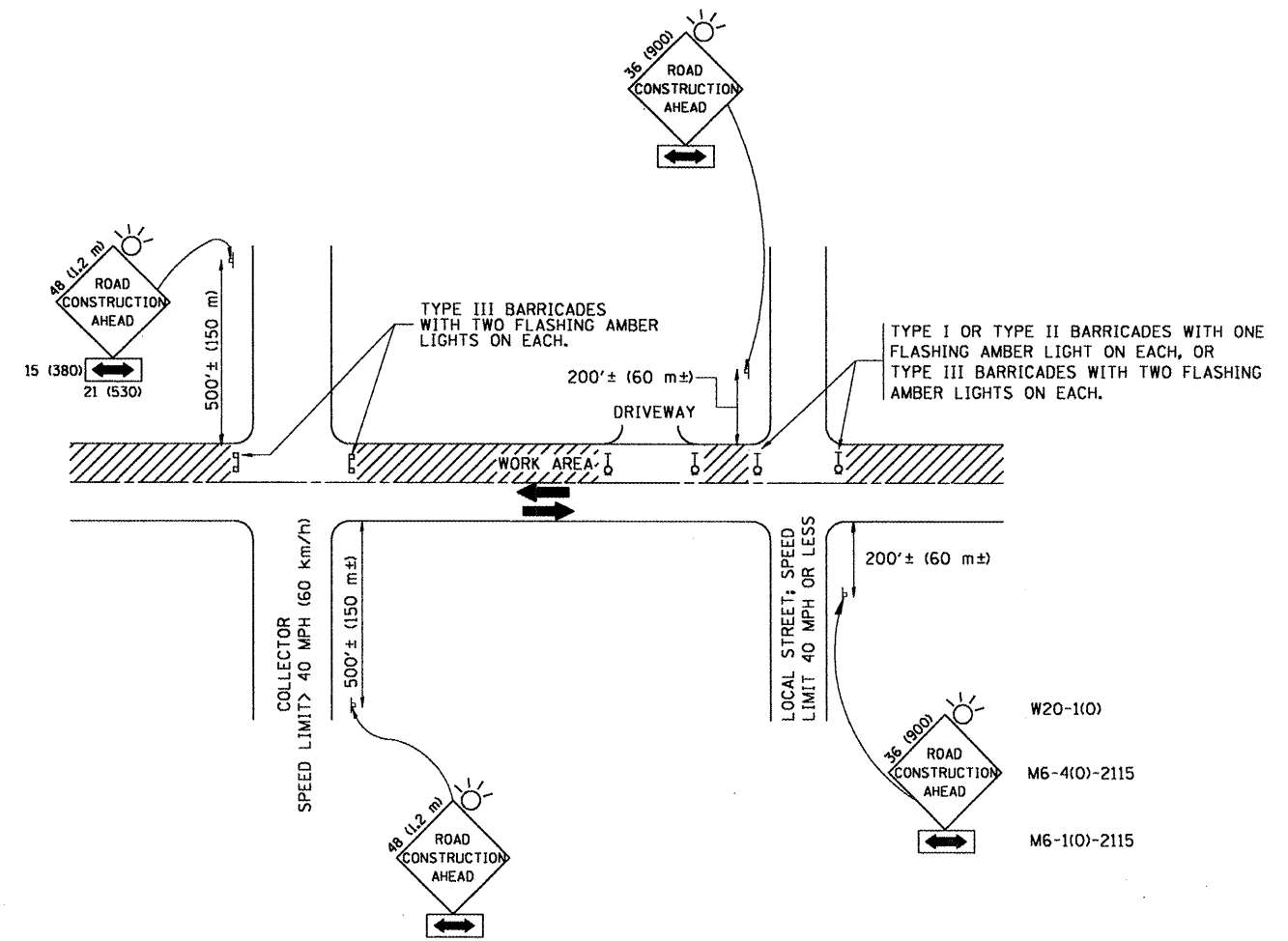
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-019 PP	LAKE	44	37
BD400-05 BD32			CONTRACT NO. 60G18	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

FILE NAME =	USER NAME = smthkl	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
es\pw_wor\k\p\dot\smthkl\00125025\01st.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 2/4/2009		DATE - 06-13-90	REVISED - R. BORO 01-01-07



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS**
- 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:
 - 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.
 - 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.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- 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.

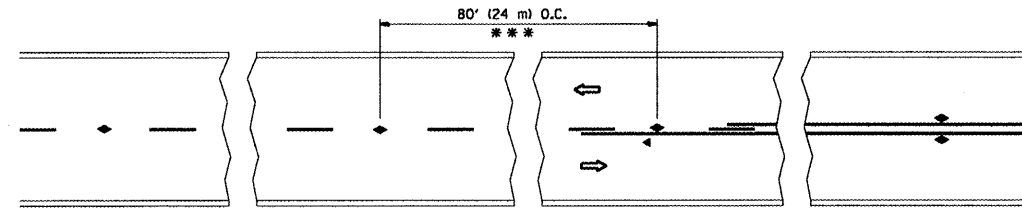
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		PLOT SCALE = 100.0000' / IN.	REVISED - A. HOUSEH 10-15-96
		PLOT DATE = 2/4/2009	REVISED - T. RAMMACHER 01-06-00
		DATE - 06-89	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

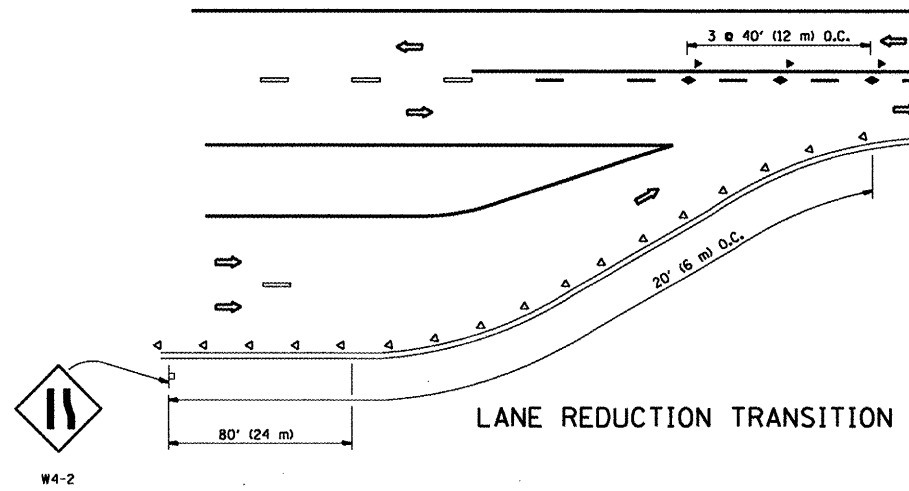
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-019 PP	LAKE	44	38
TC-10			CONTRACT NO. 60G18	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

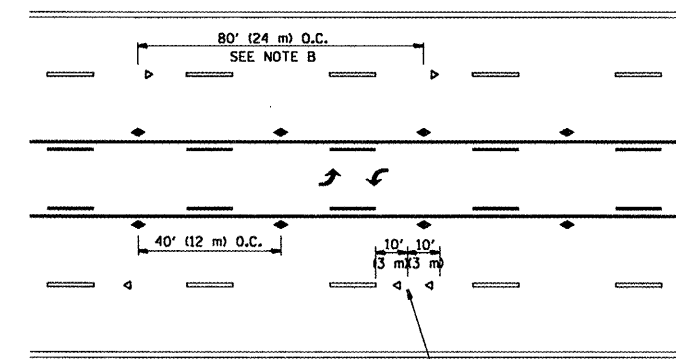


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

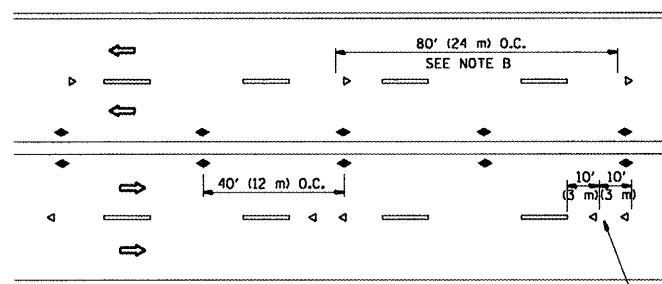
TWO-LANE/TWO-WAY



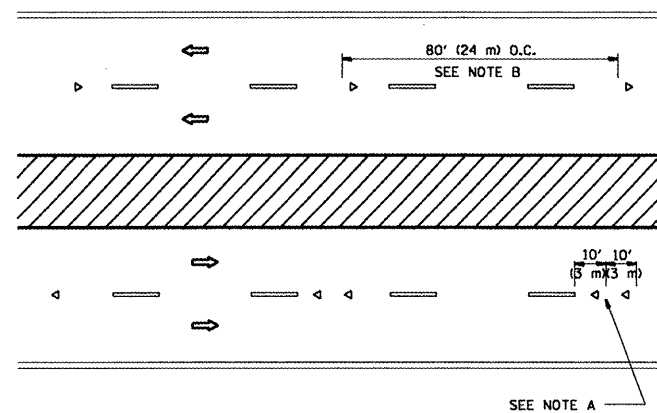
LANE REDUCTION TRANSITION



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

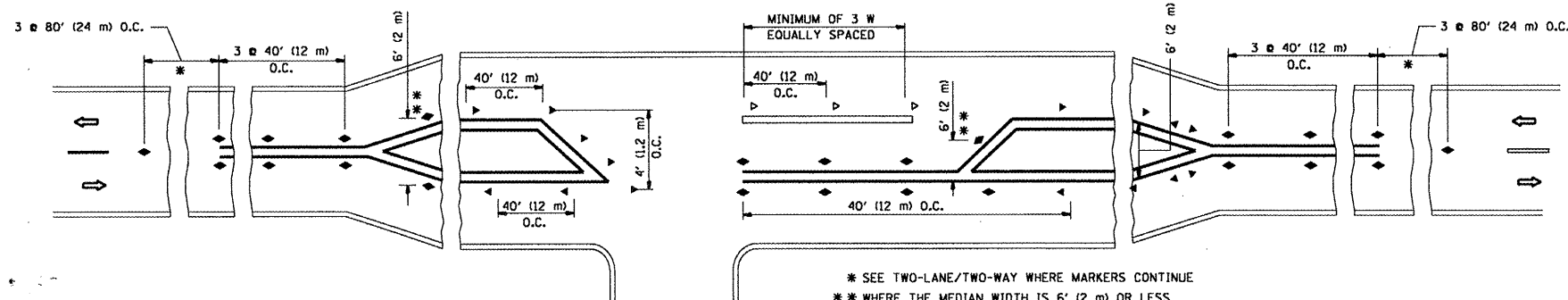
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

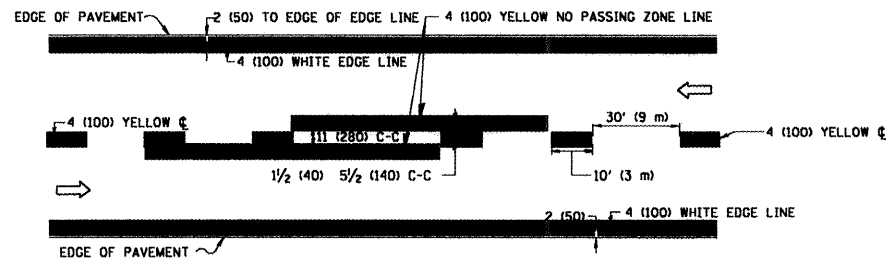
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = smthkl	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
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		CHECKED -	REVISED - T. RAMMACHER 01-06-00
		DATE -	REVISED -

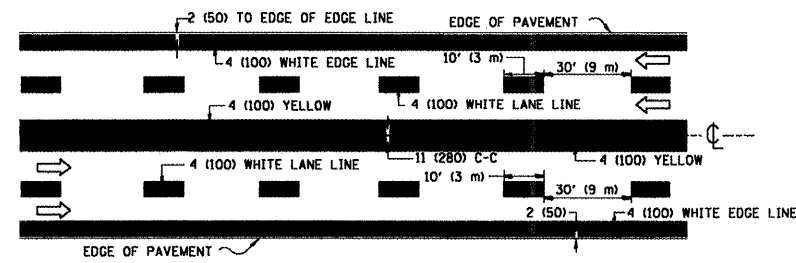
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

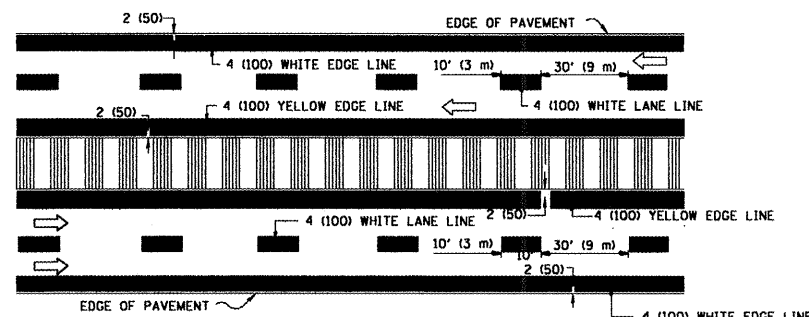
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-019 PP	LAKE	44	39
TC-11		CONTRACT NO. 60G18		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY



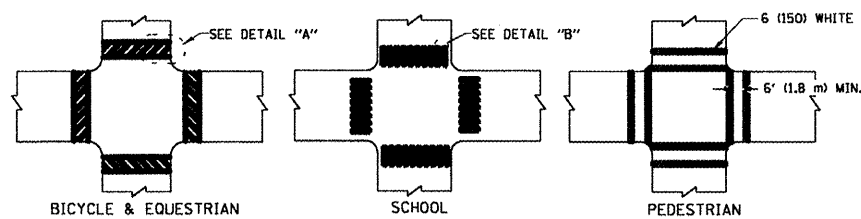
MULTI-LANE UNDIVIDED



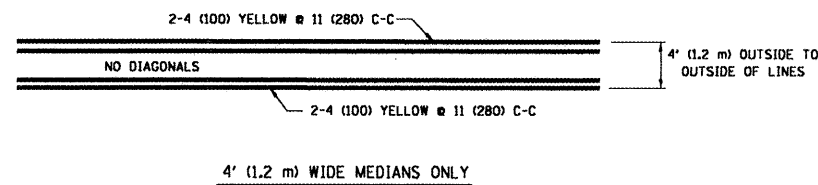
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

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

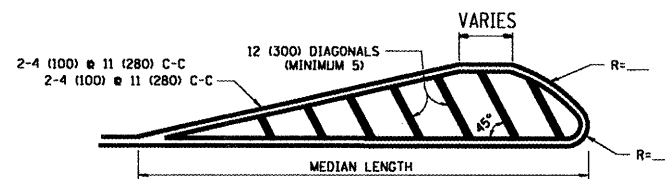
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



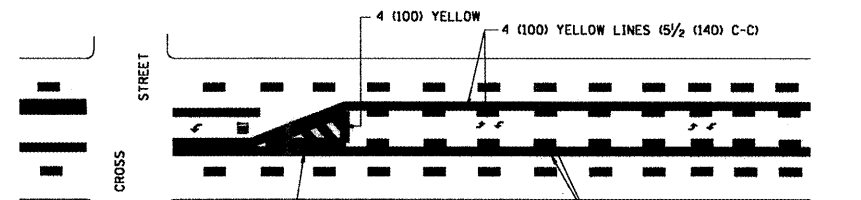
4' (1.2 m) WIDE MEDIANS ONLY



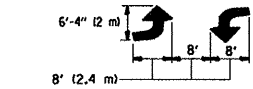
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

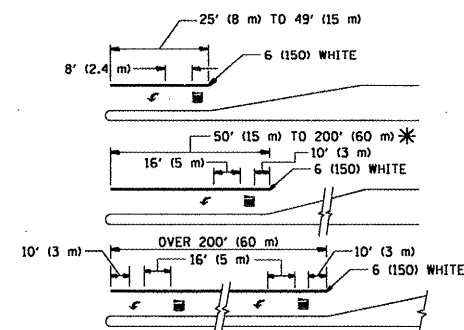


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

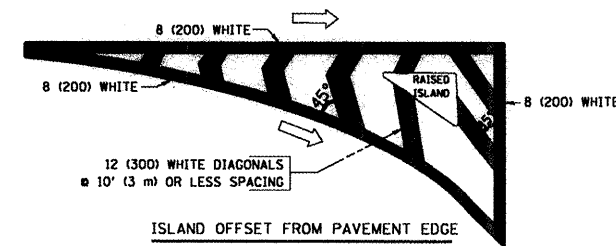


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

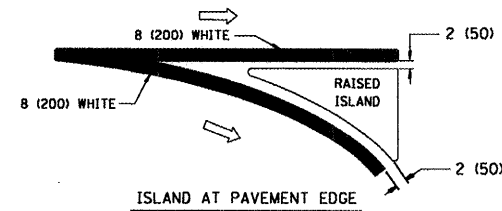
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (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 1/2 (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))

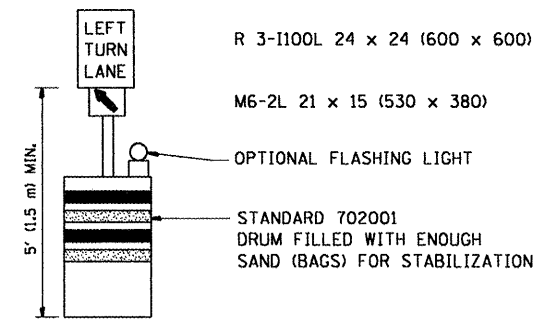
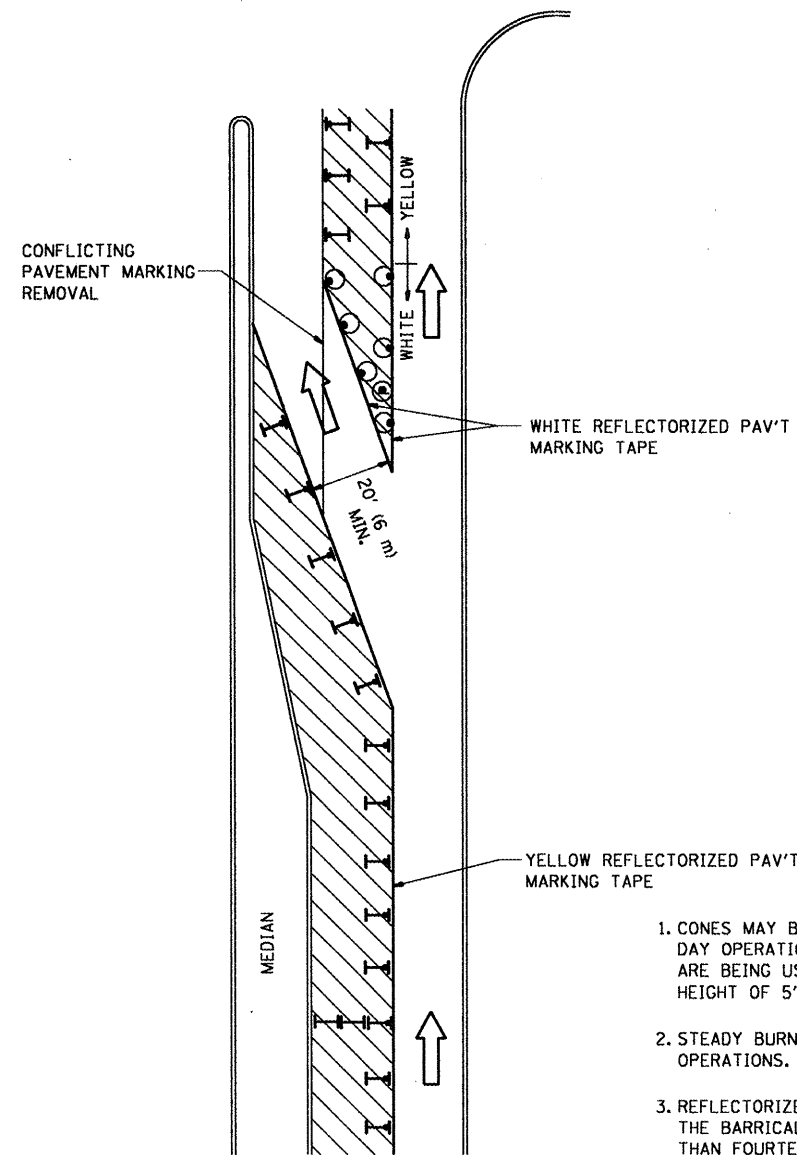
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

FILE NAME =	USER NAME = smthkl	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
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	PLOT DATE = 2/4/2009	DATE - 03-19-90	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		VAR.	2009-019 PP	LAKE	44	40
SCALE: NONE		TC-13		CONTRACT NO. 60G18		
SHEET NO. 1 OF 1 SHEETS		STA.		TO STA.		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT						









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

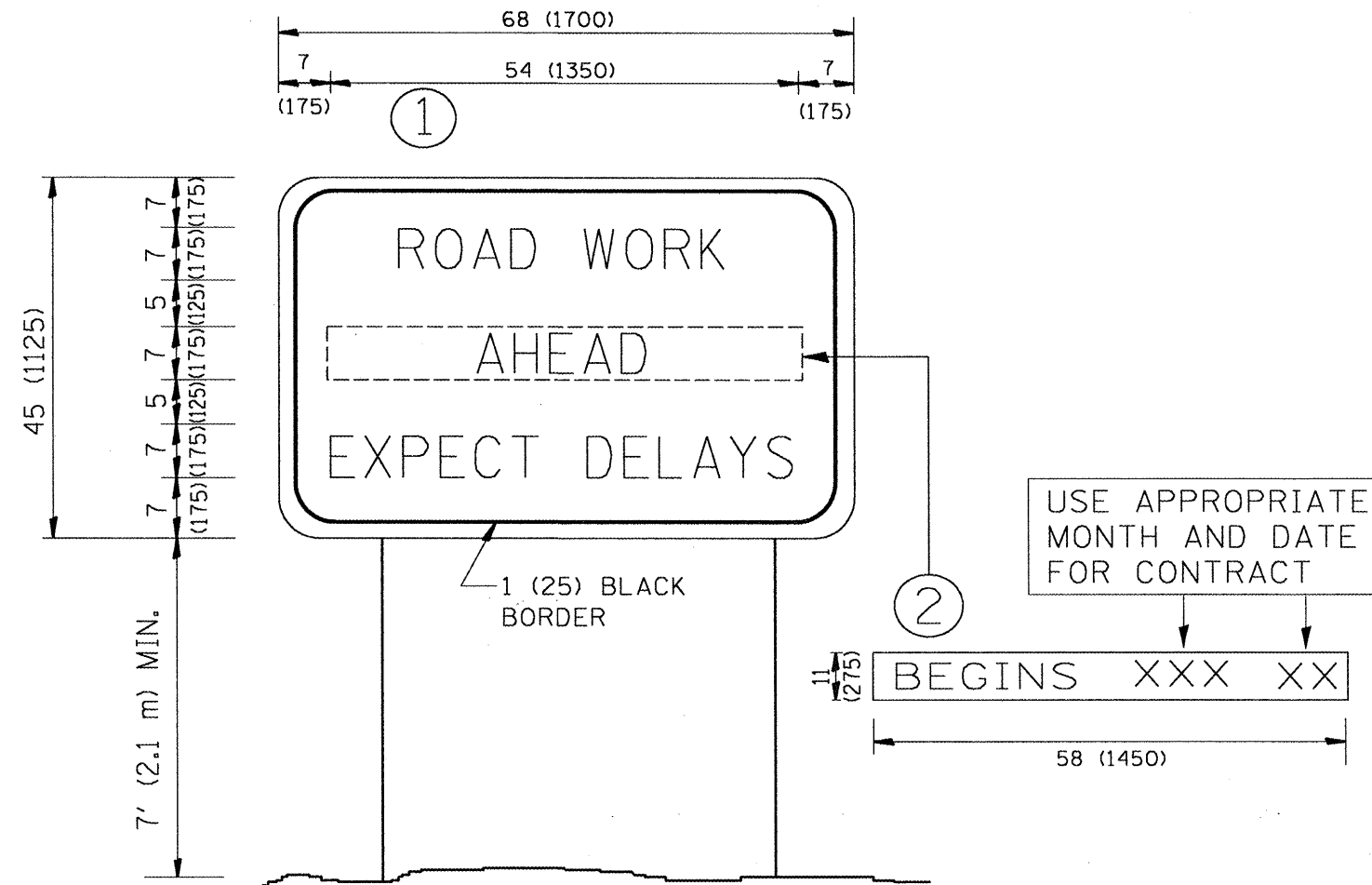
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		PLOT DATE = 2/4/2009	REVISED -T. RAMMACHER 01-06-00
		CHECKED -	
		DATE -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE.	2009-019 PP	LAKE	44	41
VAR.	TC-14	CONTRACT NO. 60G18		
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
ct:\pw\work\pzd\dot\smthkl\d0125025\Dist5	d.dgn	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 100.0000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	
PLOT DATE = 2/4/2009	DATE -	REVISED - C. JUCIUS 01-31-07	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

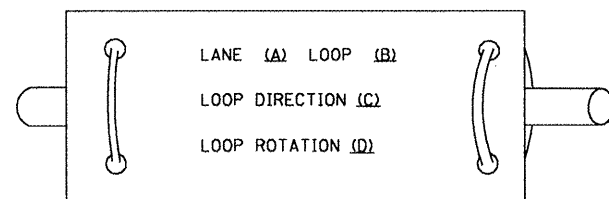
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-019 PP	LAKE	44	42
TC-22		CONTRACT NO. 60018		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

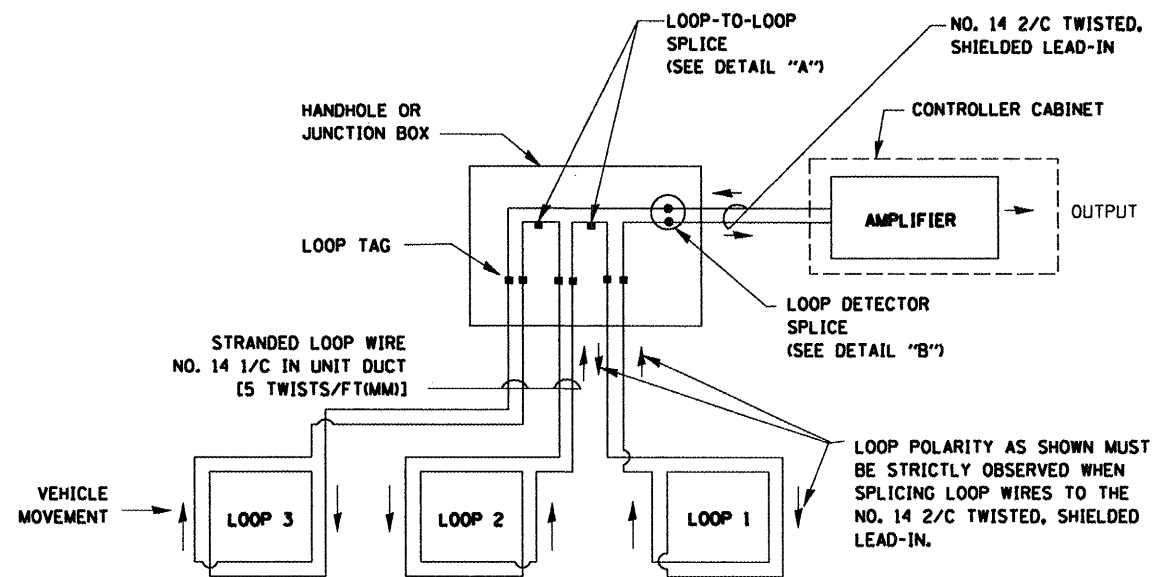
LOOP DETECTOR NOTES

- 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

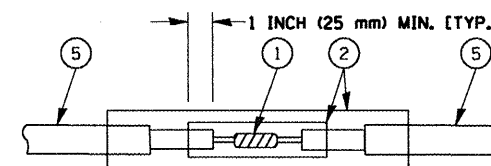


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

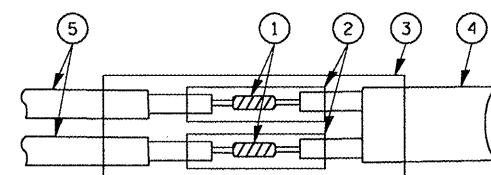


DETECTOR LOOP WIRING SCHEMATIC

- 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 = smsthk1	DESIGNED - D.A.D.	REVISED - 11-12-01
et\p\work\p\1dot\smsthk1\d0125025\Dist15	ed.dgn	DRAWN - R.W.P.	REVISED - BUR. TRAFFIC 01-01-02
PLOT SCALE = 100.0000 ' / IN.	CHECKED - D.A.Z.	REVISED -	
PLOT DATE = 2/4/2009	DATE - 05-30-00	REVISED -	

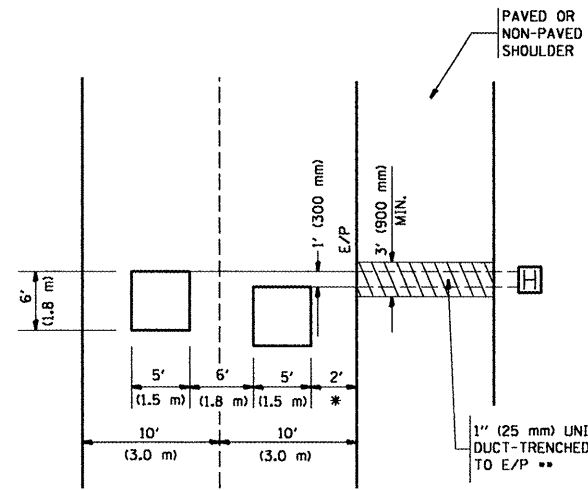
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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.	2009-019 PP	LAKE	44	43
TS-05			CONTRACT NO. 60G18	
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.

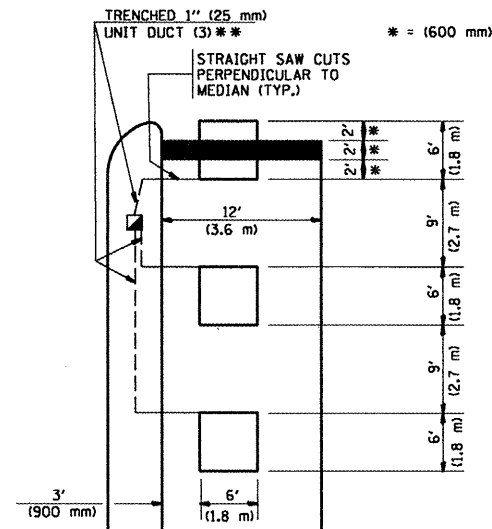


* = (600 mm)

** 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)**

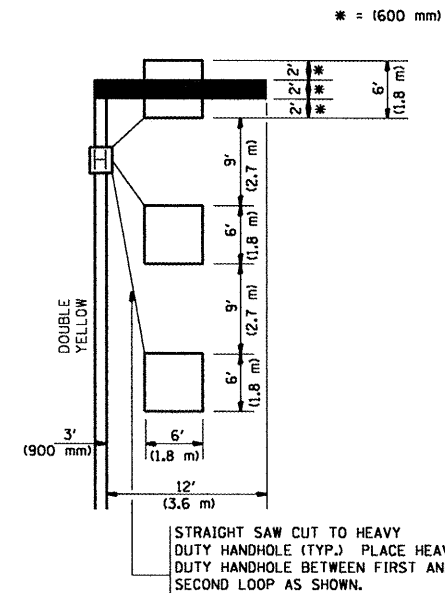
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



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

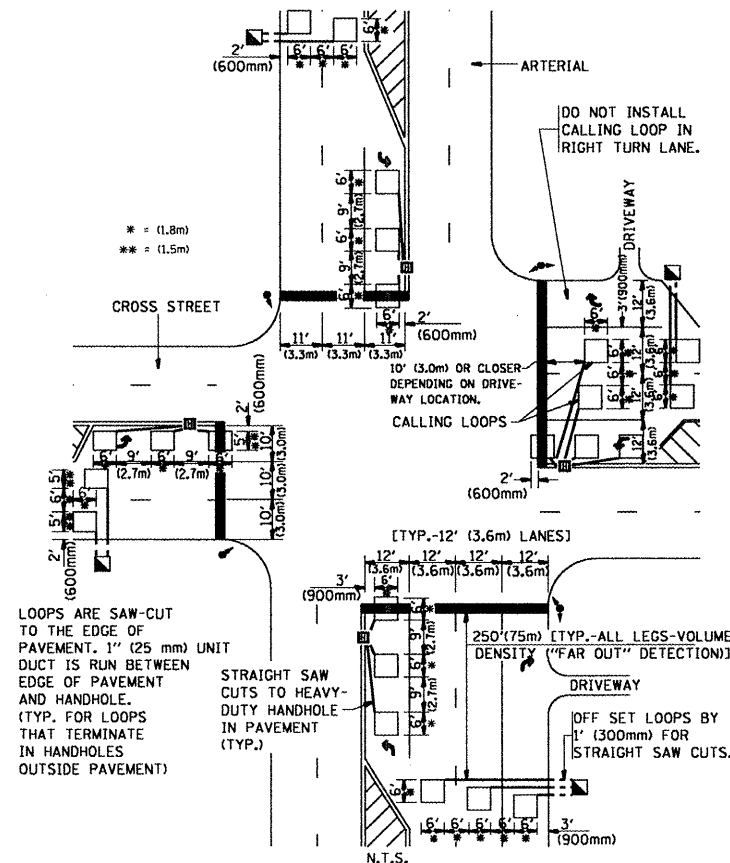
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



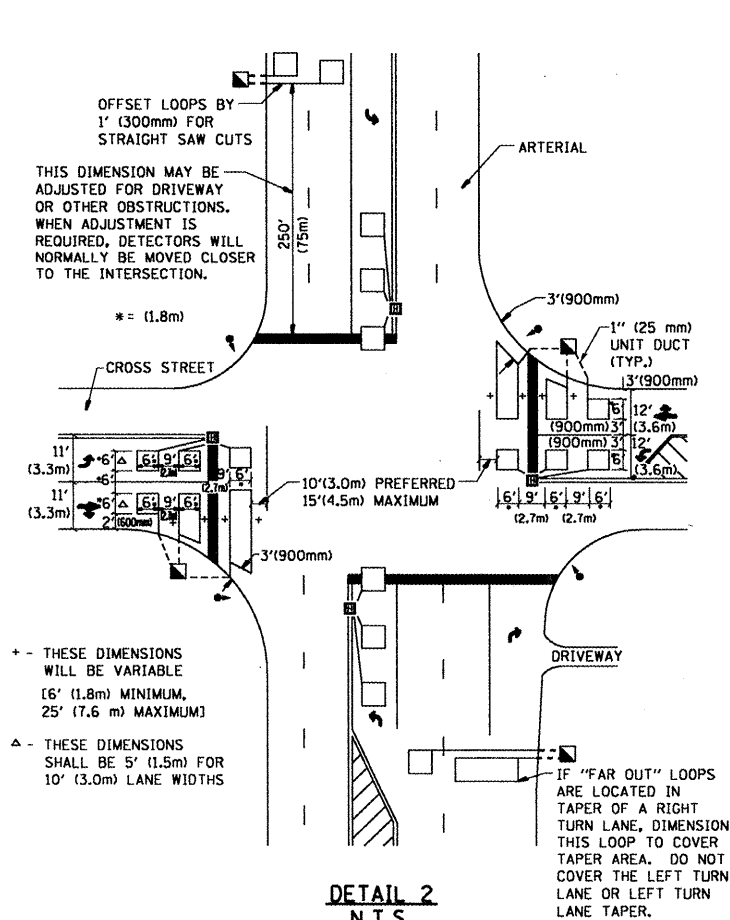
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**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.**

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.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-019 PP	LAKE	44	44
TS-07			CONTRACT NO. 60G18	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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