06-13-14 LETTING ITEM 033

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	1
	ILLINOIS	CONTRACT NO. 60Y07		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

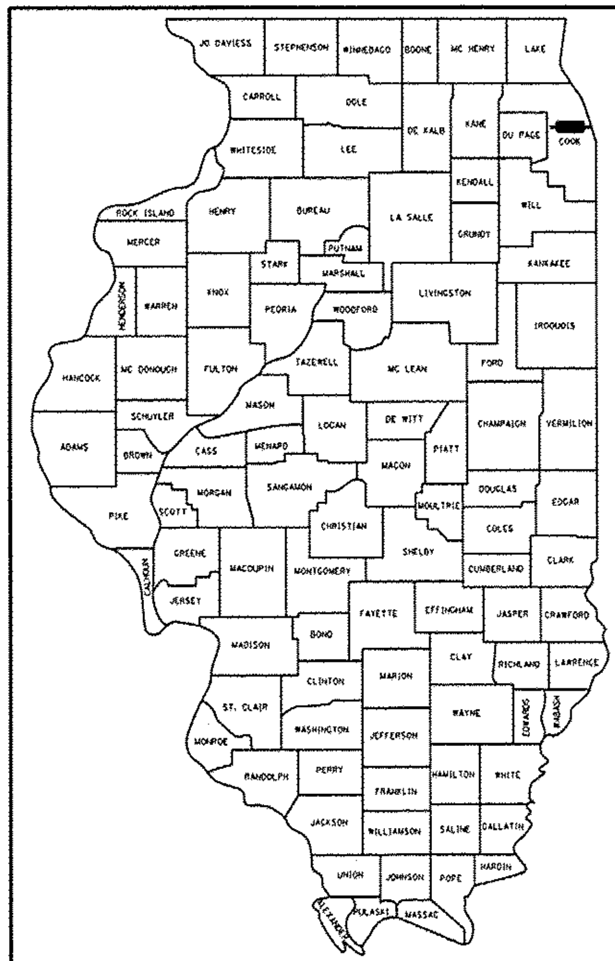
VARIOUS ROUTES
SECTION: 2014-021RS
VARIOUS LOCATIONS IN CENTRAL COOK COUNTY
INTERMITTENT RESURFACING
COOK COUNTY
C-91-297-14

FOR INDEX OF SHEETS, SEE SHEET NO. 2

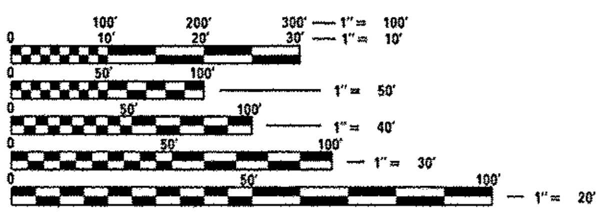
THIS PROJECT IS LOCATED IN:
THE TOWN OF CICERO
THE VILLAGE OF BELLWOOD
THE VILLAGE OF BERKELEY
THE VILLAGE OF BROADVIEW
THE VILLAGE OF BROOKFIELD
THE VILLAGE OF FOREST VIEW
THE VILLAGE OF HILLSIDE
THE VILLAGE OF HODGKINS
THE VILLAGE OF JUSTICE
THE VILLAGE OF LA GRANGE
THE VILLAGE OF LA GRANGE PARK
THE VILLAGE OF LYONS
THE VILLAGE OF MAYWOOD
THE VILLAGE OF MCCOOK
THE VILLAGE OF MELROSE PARK
THE VILLAGE OF RIVER FOREST
THE VILLAGE OF STICKNEY
THE VILLAGE OF STONE PARK
THE VILLAGE OF SUMMIT
THE VILLAGE OF WESTERN SPRINGS
THE VILLAGE OF WILLOW SPRINGS
THE CITY OF BURBANK
THE CITY OF COUNTRYSIDE
THE CITY OF NORTH LAKE

FOR GENERAL LOCATION MAP, SEE SHEET NO. 4

D-91-297-14



LOCATION OF SECTION INDICATED THUS: -



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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED April 3 20 14
John Fortmann Jr.
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 9 20 14
John D. Baranzelli, P.E. Br
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 9 20 14
Omer Osman, P.E. Br
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROJECT ENGINEER: DANIEL WILGREEN (847) 705-4240
PROJECT MANAGER: KEN ENG (847) 705-4247

CONTRACT NO. 60Y07

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS - DAY ONLY
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES
701421-06	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS $\geq$ 45 MPH TO 55 MPH
701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS $\geq$ 45 MPH
701427-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS $\leq$ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-06	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-09	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-03	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)

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 INTERMITTENT RESURFACING 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 WALLY CZARNY, AREA TRAFFIC FIELD ENGINEER AT (773) 685-4342 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 INTERMITTENT RESURFACING LOCATIONS SHOWN IN THE PLANS ARE TWO (2) INCH MILL AND RESURFACE ONLY. THE MINIMUM WIDTH FOR INTERMITTENT RESURFACING SHALL BE THREE (3) FEET.

NO PATCHING OR RESURFACING IS TO BE DONE WITHIN FIFTY (50) FEET OF ANY RAILROAD CROSSING.

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.

ANY DETECTOR LOOPS DAMAGED BY MILLING SHALL BE REPLACED IN KIND.
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO QUANTIFY LOOP REPLACEMENTS NEEDED AND PROVIDE THE RESIDENT ENGINEER THIS INFORMATION PRIOR TO GRINDING OR REMOVAL.

ALL LOOP DETECTOR LOCATIONS SHALL BE CURB MARKED BY THE CONTRACTOR PRIOR TO MILLING FOR THE PURPOSE OF REESTABLISHING DETECTOR LOOP LAYOUT AFTER THE RESURFACING IS COMPLETED.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).

OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
ANY MILLED PAVEMENT IS TO BE RESURFACED BY THE END OF EACH DAY AND OPEN TO TRAFFIC.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS (%) @ $N_{DES.}$	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5MM), 2"	4% @ 70 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)		

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	2
		CONTRACT NO. 60Y07		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 100% STATE 0005					
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	40	40					
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	792	792					
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2957	2957					
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	26396	26396					
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	46	46					
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6					
	67100100	MOBILIZATION	L SUM	1	1					
	70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	1711	1711					
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	570	570					
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	435	435					
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	18060	18060					
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	760	760					
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	460	460					
*	SPECIALTY ITEM									

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SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 100% STATE 0005					
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	630	630					
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	100	100					
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	510	510					
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	510	510					
*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	167	167					
	X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	11879	11879					
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	1106	1106					
	8									
Ø	Z0076604	TRAINEES- TRAINING GRADUATE PROGRAM	HOUR	500	500					
*	SPECIALTY ITEM Ø0042									

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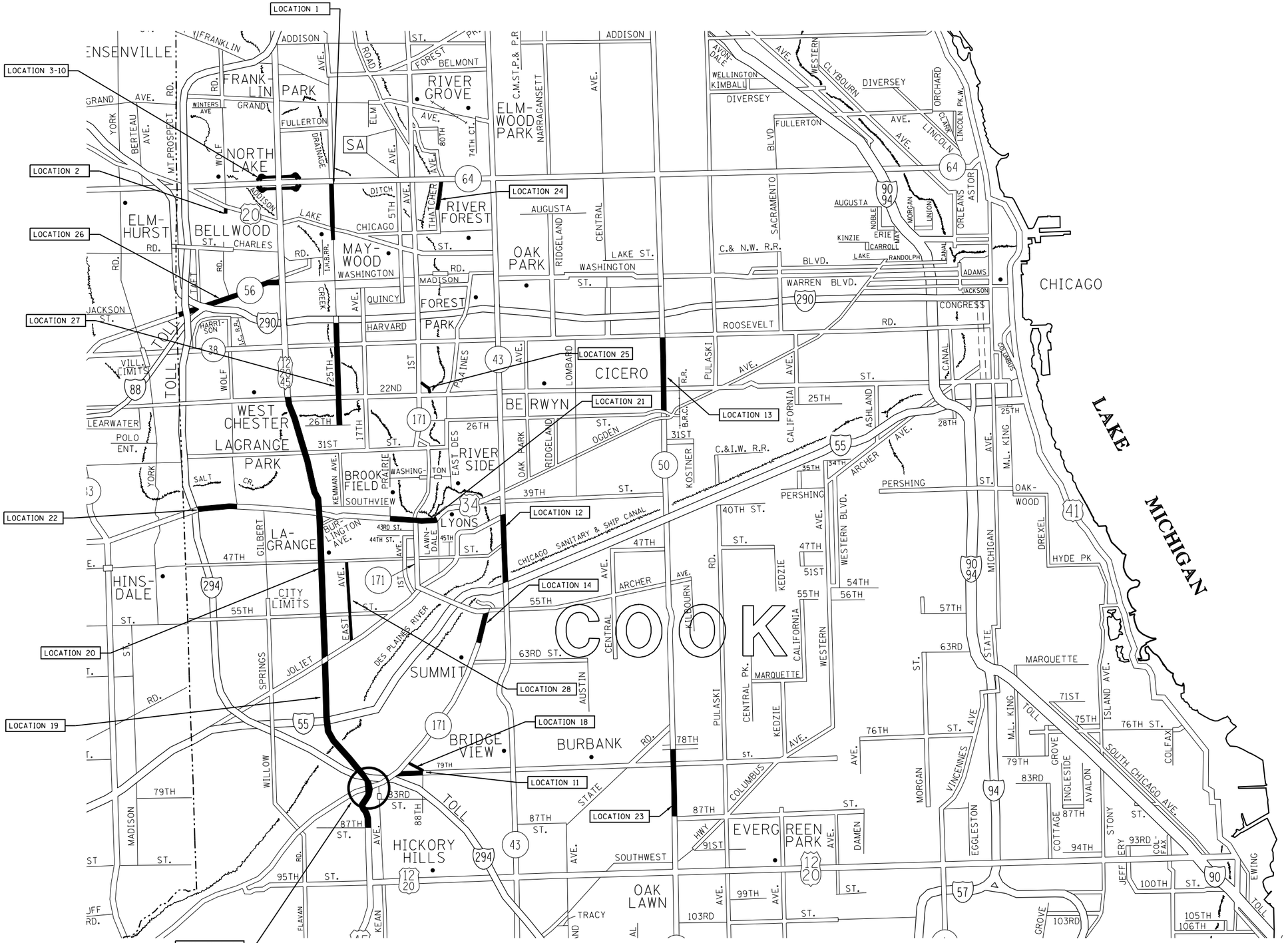
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	3
		CONTRACT NO. 60Y07		
	ILLINOIS FED. AID PROJECT			



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	PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -					VAR.	2014-021RS	COOK	24	4
Default	PLOT DATE = 4/3/2014	CHECKED -	REVISED -								CONTRACT NO. 60Y07	
		DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.			ILLINOIS	FED. AID PROJECT	

	SUMMARY - CENTRAL COOK COUNTY ARTERIAL ROUTES	CITIES/VILLAGES	TOWNSHIPS	SPEED LIMIT	EXISTING ADT (YEAR)
LOC.1	25TH AVE. (NORTH AVE. TO MAIN ST.)	BELLWOOD, MELROSE PARK	PROVISO	30 MPH	19,000 (2012)
LOC.2	WOLF RD. (LAKE ST. APPROX 500' SOUTH)	NORTH LAKE	PROVISO	40 MPH	11,300 (2011)
LOC.3	NORTH AVE. (RAMP WB NORTH AVE. TO NB MANNHEIM)	MELROSE PARK	LEYDEN	N/A	3000 (2010)
LOC.4	NORTH AVE. (RAMP WB NORTH AVE. TO SB MANNHEIM RD.)	MELROSE PARK	LEYDEN	N/A	3000 (2010)
LOC.5	NORTH AVE. (RAMP EB NORTH AVE TO SB MANNHEIM RD.)	NORTH LAKE, STONE PARK	PROVISO	N/A	3000 (2010)
LOC.6	NORTH AVE. (RAMP EB NORTH AVE. TO NB MANNHEIM RD.)	STONE PARK	PROVISO	N/A	3000 (2010)
LOC.7	MANNHEIM RD. (RAMP SB MANNHEIM RD. TO WB NORTH AVE.)	MELROSE PARK	LEYDEN	N/A	3000 (2010)
LOC.8	MANNHEIM RD. (RAMP SB MANNHEIM RD. TO EB NORTH AVE.)	NORTH LAKE, STONE PARK	PROVISO	N/A	3000 (2010)
LOC.9	MANNHEIM RD. (RAMP NB MANNHEIM RD. TO EB NORTH AVE.)	STONE PARK	PROVISO	N/A	3000 (2010)
LOC.10	MANNHEIM RD. (RAMP NB MANNHEIM RD. TO WB NORTH AVE.)	MELROSE PARK	LEYDEN	N/A	3000 (2010)
LOC.11	WB 79TH ST. (88TH/CORK TO ARCHER AVE. / IL 171)	JUSTICE	LYONS	45 MPH	33,200 (2010)
LOC.12	HARLEM AVE. (JOLIET RD. TO I-55)	FORESTVIEW, LYONS, STICKNEY, SUMMIT	LYONS, STICKNEY	40 MPH	37,800 (2012)
LOC.13	CICERO AVE. (ROOSEVELT AVE. TO 26TH ST.)	CICERO	WEST CHICAGO	30 MPH	31,100 (2012)
LOC.14	ARCHER RD. / IL 171 (ARCHER AVE./55TH ST. TO 58TH ST.)	SUMMIT	LAKE	30 MPH	33,700 (2010)
LOC.15	LONG ARM RAMP (SB LA GRANGE TO EB 79TH TO 88TH AVE.)	JUSTICE, WILLOW SPRINGS	LYONS	30 MPH	900 (1988)
LOC.16	LONG ARM RAMP (SB LA GRANGE TO EB ARCHER TO 88TH AVE. CORK)	JUSTICE, WILLOW SPRINGS	LYONS	45 MPH	18,500 (2006)
LOC.17	NB LAGRANGE RD. (ON RAMP TO ARCHER AVE /79TH/ I294 TO I&M CANAL)	JUSTICE, WILLOW SPRINGS	LYONS	N/A	2,900 (1989)
LOC.18	88TH / CORK (ARCHER AVE. / IL 171 TO 79TH ST.)	JUSTICE	LYONS	N/A	11,900 (2010)
LOC.19	NB LAGRANGE RD. (87TH TO JOLIET RD.)	COUNTRYSIDE, HODGKINS, WILLOW SPRINGS	LYONS	45 MPH	76,200 (2013)
LOC.20	LAGRANGE RD. (JOLIET RD. TO 22ND ST.)	COUNTRYSIDE, LA GRANGE, LA GRANGE PARK	LYONS, PROVISO	45 MPH	76,200 (2013)
LOC.21	OGDEN AVE. (PRAIRIE TO LAWNDALE)	BROOKFIELD, LYONS	LYONS	30 MPH	20,400 (2012)
LOC.22	OGDEN AVE. (WOLF RD. TO I 294)	WESTERN SPRINGS	PROVISO	35 MPH	34,700 (2010)
LOC.23	CICERO AVE. (78TH TO 87TH ST.)	BURBANK	STICKNEY	35 MPH	46,100 (2013)
LOC.24	THATCHER AVE. (NORTH AVE. TO DIVISION)	RIVER FOREST	RIVER FOREST	35 MPH	8,000 (2010)
LOC.25	FIRST AVE. CUT OFF (22ND TO FIRST AVE.)	UNINCORPORATED	PROVISO	25 MPH	1,000 (2012)
LOC.26	IL 56 / BUTTERFIELD RD. (CALVIN AVE. TO MANNHEIM RD.)	BELLWOOD, BERKELEY, HILLSIDE	PROVISO	30-35 MPH	13,800 (2010)
LOC.27	25TH AVE. (I-290 TO 26TH ST.)	BROADVIEW, LA GRANGE PARK, MAYWOOD	PROVISO	35 MPH	14,100 (2010)
LOC.28	EAST AVE. (47TH ST. TO JOLIET RD.)	COUNTRYSIDE, LA GRANGE, MCCOOK	LYONS	40 MPH	17,600 (2010)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE INFORMATION
VARIOUS LOCATIONS IN CENTRAL COOK COUNTY

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	5
		CONTRACT NO. 60Y07		
	ILLINOIS	FED. AID PROJECT		

	SUMMARY - CENTRAL COOK COUNTY ARTERIAL ROUTES	HMA 2" MILL & RESURFACE (SY)
LOC.1	25TH AVE. (NORTH AVE. TO MAIN ST.)	17
LOC.2	WOLF RD. (LAKE ST. APPROX 500' SOUTH)	25
LOC.3	NORTH AVE. (RAMP WB NORTH AVE. TO NB MANNHEIM)	100
LOC.4	NORTH AVE. (RAMP WB NORTH AVE. TO SB MANNHEIM RD.)	75
LOC.5	NORTH AVE. (RAMP EB NORTH AVE TO SB MANNHEIM RD.)	115
LOC.6	NORTH AVE. (RAMP EB NORTH AVE. TO NB MANNHEIM RD.)	77
LOC.7	MANNHEIM RD. (RAMP SB MANNHEIM RD. TO WB NORTH AVE.)	186
LOC.8	MANNHEIM RD. (RAMP SB MANNHEIM RD. TO EB NORTH AVE.)	149
LOC.9	MANNHEIM RD. (RAMP NB MANNHEIM RD. TO EB NORTH AVE.)	188
LOC.10	MANNHEIM RD. (RAMP NB MANNHEIM RD. TO WB NORTH AVE.)	4
LOC.11	WB 79TH ST. (88TH/CORK TO ARCHER AVE. / IL 171)	564
LOC.12	HARLEM AVE. (JOLIET RD. TO I-55)	1,621
LOC.13	CICERO AVE. (ROOSEVELT AVE. TO 26TH ST.)	1,392
LOC.14	ARCHER RD. / IL 171 (ARCHER AVE./55TH ST. TO 58TH ST.)	1,080

	SUMMARY - CENTRAL COOK COUNTY ARTERIAL ROUTES (Continued)	HMA 2" MILL & RESURFACE (SY)
LOC.15	LONG ARM RAMP (SB LA GRANGE TO EB 79TH TO 88TH AVE.)	127
LOC.16	LONG ARM RAMP (SB LA GRANGE TO EB ARCHER TO 88TH AVE. CORK)	127
LOC.17	NB LAGRANGE RD. (ON RAMP TO ARCHER AVE /79TH/ I294 TO I&M CANAL)	656
LOC.18	88TH / CORK (ARCHER AVE. / IL 171 TO 79TH ST.)	293
LOC.19	NB LAGRANGE RD. (87TH TO JOLIET RD.)	1,616
LOC.20	LAGRANGE RD. (JOLIET RD. TO 22ND ST.)	1,873
LOC.21	OGDEN AVE. (PRAIRIE TO LAWNDALE)	600
LOC.22	OGDEN AVE. (WOLF RD. TO I 294)	1,080
LOC.23	CICERO AVE. (78TH TO 87TH ST.)	4,619
LOC.24	THATCHER AVE. (NORTH AVE. TO DIVISION)	1,350
LOC.25	FIRST AVE. CUT OFF (22ND TO FIRST AVE.)	411
LOC.26	IL 56 / BUTTERFIELD RD. (CALVIN AVE. TO MANNHEIM RD.)	6,503
LOC.27	25TH AVE. (I-290 TO 26TH ST.)	1,172
LOC.28	EAST AVE. (47TH ST. TO JOLIET RD.)	376
	CENTRAL COOK COUNTY ARTERIAL TOTAL =	26396 SY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF INTERMITTENT RESURFACING SCHEDULE
VARIOUS LOCATIONS IN CENTRAL COOK COUNTY

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	6
		CONTRACT NO. 60Y07		
	ILLINOIS	FED. AID PROJECT		

ROUTE: 25th Avenue (North Avenue to Main Street)

CROSS STREET FROM	CROSS STREET TO	DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
20' N of Main St.		SB	1	4	4	16	2
N of Main St. (Surrounds MH)		NB	1	3	3	9	1
Main St.	Lake St.	NB	1	4	10	40	4
Division St. Intersection		NB	1	5	5	25	3
Division St.	Norwood St.	NB	1	4	4	16	2
Norwood St	Hirsch Ave.	NB	1	8	6	48	5
		TOTALS:			**32**		**17**
					FT		**SY**

ROUTE: Wolf Road (500' South of Lake Street)

CROSS STREET FROM	CROSS STREET TO	DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
500' South of Lake St		NB	1	4	3	12	1
		NB	1	4	4	16	2
		NB	1	3	3	9	1
		NB	1	7	3	21	2
		NB	1	3	30	90	10
		SB	1	6	12	72	8
	Wolf Road	SB	1	3	3	9	1
		TOTALS:			**58**		**25**
					FT		**SY**

ROUTE: North Avenue (Ramp WB North Avenue to NB Mannheim Road)

CROSS STREET FROM	CROSS STREET TO	DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
WB North Avenue		Ramp	1	3	11	33	4
		Ramp	1	5	6	30	3
		Ramp	1	14	6	84	9
		Ramp	1	14	6	84	9
		Ramp	1	14	6	84	9
		Ramp	1	4	50	200	22
		Ramp	1	14	6	84	9
		Ramp	1	8	18	144	16
		Ramp	1	4	10	40	4
		Ramp	1	4	10	40	4
Shoulder	NB Mannheim Road	Ramp	1	3	25	75	8
		TOTALS:			**154**		**100**
					FT		**SY**

ROUTE: North Avenue (Ramp WB North Avenue to SB Mannheim Road)

CROSS STREET FROM	CROSS STREET TO	DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
WB North Avenue		Ramp	1	5	12	60	7
		Ramp	1	3	5	15	2
		Ramp	1	3	3	9	1
		Ramp	1	10	26	260	29
		Ramp	1	3	3	9	1
Shoulder		Ramp	1	3	15	45	5
		Ramp	1	3	3	9	1
		Ramp	1	3	9	27	3
		Ramp	1	9	5	45	5
		Ramp	1	13	10	130	14
	SB Mannheim Road	Ramp	1	17	4	68	8
		TOTALS:			**95**		**75**
					FT		**SY**

ROUTE: North Avenue (Ramp EB North Avenue to SB Mannheim Road)

CROSS STREET FROM	CROSS STREET TO	DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
EB North Avenue		Ramp	1	12	30	360	40
		Ramp	1	12	3	36	4
		Ramp	1	6	8	48	5
		Ramp	1	12	4	48	5
		Ramp	1	3	4	12	1
		Ramp	1	3	4	12	1
		Ramp	1	5	3	15	2
		Ramp	1	3	9	27	3
		Ramp	1	5	40	200	22
		Ramp	1	3	3	9	1
		Ramp	1	3	12	36	4
		Ramp	1	12	7	84	9
		Ramp	1	12	3	36	4
		Ramp	1	12	3	36	4
		Ramp	1	12	3	36	4
	SB Mannheim Road	Ramp	1	12	3	36	4
		TOTALS:			**139**		**115**
					FT		**SY**

ROUTE: North Avenue (Ramp EB North Avenue to NB Mannheim Road)

CROSS STREET FROM	CROSS STREET TO	DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
EB North Avenue		Ramp	1	12	3	36	4
		Ramp	1	12	3	36	4
		Ramp	1	12	3	36	4
		Ramp	1	12	3	36	4
		Ramp	1	12	40	480	53
		Ramp	1	4	4	16	2
		Ramp	1	4	4	16	2
	NB Mannheim	Ramp	1	12	3	36	4
		TOTALS:			**63**		**77**
					FT		**SY**

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Default	PLOT DATE = 4/3/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERMITTENT RESURFACING SCHEDULE
25TH AVE., WOLF RD. AND NORTH AVE.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	7
		CONTRACT NO. 60Y07		
	ILLINOIS	FED. AID PROJECT		

ROUTE: Mannheim Road (Ramp SB Mannheim Road to WB North Avenue)

CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
SB Mannheim Road		Ramp	1	3	4	12	1
		Ramp	1	3	275	825	92
		Ramp	1	4	5	20	2
		Ramp	1	4	80	320	36
		Ramp	1	10	40	400	44
		Ramp	1	5	15	75	8
	WB North Avenue	Ramp	1	4	5	20	2
		TOTALS:			**424**		**186**
					FT		**SY**

ROUTE: Mannheim Road (Ramp NB Mannheim Road to WB North Avenue)

CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
Right at North Ave Entrance		Ramp	1	4	4	16	2
Closer to Mannheim Road		Ramp	1	4	4	16	2
		TOTALS:			**8**		**4**
					FT		**SY**

ROUTE: Mannheim Road (Ramp SB Mannheim Road to EB North Avenue)

CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
SB Mannheim Road	`	Ramp	1	3	6	18	2
		Ramp	1	3	6	18	2
		Ramp	1	12	12	144	16
		Ramp	1	12	15	180	20
		Ramp	1	3	4	12	1
		Ramp	1	4	40	160	18
		Ramp	1	6	70	420	47
		Ramp	1	3	12	36	4
		Ramp	1	3	65	195	22
		Ramp	1	12	3	36	4
	EB North Avenue	Ramp	1	3	40	120	13
		TOTALS:			**273**		**149**
					FT		**SY**

ROUTE: Mannheim Road (Ramp NB Mannheim Road to EB North Avenue)

CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
NB Mannheim Road		Ramp	1	12	3	36	4
		Ramp	1	12	3	36	4
		Ramp	1	12	3	36	4
		Ramp	1	12	3	36	4
		Ramp	1	12	80	960	107
		Ramp	1	12	40	480	53
		Ramp	1	4	8	32	4
	EB North Avenue	Ramp	1	4	20	80	9
		TOTALS:			**160**		**188**
					FT		**SY**

ROUTE: WB 79th Street (88th Ave/Cork Avenue to Archer Avenue /IL-171)

CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
88th Avenue/Cork Avenue		WB	1	12	10	120	13
		WB	2	12	10	120	13
		WB	1	12	8	96	11
		WB	1	12	15	180	20
		WB	1	12	10	120	13
		WB	2	12	10	120	13
		WB	1	12	20	240	27
		WB	1	12	15	180	20
		WB	2	12	15	180	20
		WB	2	12	20	240	27
		WB	2	12	20	240	27
		WB	1	12	10	120	13
		WB	1	12	15	180	20
		WB	2	12	10	120	13
		WB	2	12	10	120	13
		WB	1	12	10	120	13
		WB	2	12	10	120	13
		WB	1	12	15	180	20
		WB	2	12	25	300	33
		WB	1	12	25	300	33
		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	2	12	25	300	33
		WB	2	12	15	180	20
		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	2	12	20	240	27
		WB	2	12	15	180	20
		WB	2	12	15	180	20
	Archer Avenue/IL 171	WB	2	12	10	120	13
		TOTALS:			**423**		**564**
					FT		**SY**

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERMITTENT RESURFACING SCHEDULE
MANNHEIM RD. AND 79TH ST.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	8
		CONTRACT NO. 60Y07		
	ILLINOIS	FED. AID PROJECT		

ROUTE: Harlem Avenue (Joliet Road to I-55)

CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
N PCC approach Jt. I-55 Bridge		NB	1	12	10	120	13
		NB	2	12	10	120	13
		NB	1	12	10	120	13
		NB	2	12	10	120	13
		NB	1	12	20	240	27
		NB	2	12	20	240	27
		NB	1	12	30	360	40
		NB	2	12	15	180	20
		NB	1	12	15	180	20
		NB	2	12	15	180	20
		NB	1	12	15	180	20
		NB	2	12	10	120	13
		NB	1	12	10	120	13
		NB	2	12	10	120	13
		NB	1	12	10	120	13
		NB	2	12	10	120	13
		NB	1	12	10	120	13
		NB	2	12	40	480	53
		NB	1	12	10	120	13
		NB	2	12	30	360	40
		NB	1	12	15	180	20
		NB	2	12	20	240	27
		NB	1	12	20	240	27
		NB	2	12	15	180	20
		NB	1	12	15	180	20
		NB	2	12	25	300	33
		NB	1	12	25	300	33
		NB	2	12	30	360	40
	Joliet Road	NB	1	3	200	600	67
Joliet Road		SB	1	12	8	96	11
		SB	2	12	8	96	11
		SB	1	12	20	240	27
		SB	2	12	15	180	20
		SB	1	12	30	360	40
		SB	1	12	20	240	27
		SB	2	12	20	240	27
		SB	2	12	20	240	27
		SB	2	12	60	720	80
		SB	1	12	40	480	53
		SB	2	12	40	480	53
		SB	2	12	100	1200	133
		SB	1	12	15	180	20
		SB	2	12	15	180	20
		SB	2	12	15	180	20
		SB	2	12	15	180	20
		SB	1	3	100	300	33
		SB	1	3	200	600	67
		SB	2	3	400	1200	133
	N PCC approach Jt. I-55 Bridge	SB	2	3	300	900	100
		TOTALS:			2116		1621
					FT		SY

ROUTE: IL 50/Cicero Avenue (Roosevelt Road to 26th Street)

CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
26th Street		NB	1	12	50	600	67
		NB	2	12	50	600	67
		NB	1	12	10	120	13
		NB	2	12	15	180	20
		NB	1	12	30	360	40
		NB	2	12	50	600	67
		NB	1	12	15	180	20
		NB	2	12	15	180	20
		NB	1	12	50	600	67
		NB	2	12	20	240	27
		NB	1	12	15	180	20
		NB	2	12	15	180	20
		NB	1	12	20	240	27
		NB	2	12	10	120	13
		NB	1	12	15	180	20
		NB	2	12	10	120	13
		NB	1	12	10	120	13
		NB	2	12	12	144	16
		NB	1	12	10	120	13
		NB	2	12	15	180	20
		NB	1	12	12	144	16
	Roosevelt Road	NB	1	12	15	180	20
Roosevelt Road		SB	1	12	30	360	40
		SB	2	12	30	360	40
		SB	1	12	15	180	20
		SB	2	12	15	180	20
		SB	1	12	15	180	20
		SB	2	12	15	180	20
		SB	1	12	15	180	20
		SB	2	12	15	180	20
		SB	1	12	50	600	67
		SB	2	12	15	180	20
		SB	1	12	10	120	13
		SB	2	12	15	180	20
		SB	1	12	80	960	107
		SB	2	12	50	600	67
		SB	1	12	15	180	20
		SB	2	12	10	120	13
		SB	1	12	15	180	20
		SB	2	12	50	600	67
		SB	1	12	10	120	13
		SB	2	12	15	180	20
		SB	1	12	15	180	20
		SB	2	12	10	120	13
		SB	1	12	15	180	20
		SB	2	12	20	240	27
		SB	2	12	20	240	27
	26th Street	SB	2	12	15	180	20
		TOTALS:			1044		1392
					FT		SY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERMITTENT RESURFACING SCHEDULE
HARLEM AVE AND IL 50 /CICERO AVE

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	9
		CONTRACT NO. 60Y07		
	ILLINOIS	FED. AID PROJECT		

ROUTE: Archer Road/IL 171 (Archer Avenue/55th Street to 58th Street)

CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
Archer Avenue/55th Street		EB	1	12	15	180	20
		EB	2	12	100	1200	133
		EB	2	12	200	2400	267
		EB	1	12	30	360	40
		EB	2	12	30	360	40
		EB	2	12	50	600	67
		EB	3	12	30	360	40
		EB	2	12	30	360	40
		EB	1	12	50	600	67
	58th Street	EB	2	12	50	600	67
58th Street		WB	1	12	20	240	27
		WB	1	12	25	300	33
		WB	1	12	20	240	27
		WB	1	12	20	240	27
		WB	1	12	15	180	20
		WB	1	12	15	180	20
		WB	2	12	20	240	27
		WB	2	12	25	300	33
		WB	2	12	25	300	33
		WB	2	12	20	240	27
	Archer Avenue/55th Street	WB	2	12	20	240	27
		TOTALS:			**810**		**1080**
					FT		**SY**

ROUTE: Long Arm Ramp (SB LaGrange Road to EB 79th to 88th Avenue)

CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
SB LaGrange Road		EB	1	12	15	180	20
		EB	2	12	15	180	20
		EB	1	12	20	240	27
		EB	2	12	20	240	27
		EB	1	12	10	120	13
	EB 79th Street to	EB	2	12	15	180	20
	88th Avenue						
		TOTALS:			**95**		**127**
					FT		**SY**

ROUTE: Long Arm Ramp (SB LaGrange Road to EB Archer to 88th Ave/Cork)

CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
SB LaGrange Road		EB	1	12	15	180	20
		EB	2	12	15	180	20
		EB	1	12	20	240	27
		EB	2	12	20	240	27
		EB	1	12	10	120	13
	EB Archer Road to	EB	2	12	15	180	20
	88th/Cork Avenue						
		TOTALS:			**95**		**127**
					FT		**SY**

ROUTE: NB LaGrange Road (On ramp to Archer/79th/I294 to I&M Canal)

CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
On Ramp		NB	1	20	15	300	33
		NB	1	20	20	400	44
		NB	1	20	10	200	22
		NB	1	20	15	300	33
		NB	1	20	25	500	56
		NB	1	20	10	200	22
		NB	1	20	10	200	22
		NB	1	20	10	200	22
		NB	1	20	15	300	33
		NB	1	20	30	600	67
		NB	1	20	25	500	56
		NB	1	20	25	500	56
		NB	1	20	10	200	22
		NB	1	20	10	200	22
		NB	1	20	15	300	33
		NB	1	20	15	300	33
		NB	1	20	15	300	33
	Archer Road /79th/I-294	NB	1	20	20	400	44
	to I&M Canal						
		TOTALS:			**295**		**656**
					FT		**SY**

ROUTE: SB LaGrange Road (Entrance Ramp to I 294/Archer/79th Street)

CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
Entrance Ramp		SB	1	12	240	2880	320
		SB	2	12	240	2880	320
		SB	1	12	1680	20160	2240
		SB	2	12	1680	20160	2240
		SB	1	12	15	180	20
		SB	1	12	20	240	27
		SB	1	12	15	180	20
		SB	1	12	20	240	27
		SB	1	12	20	240	27
		SB	1	12	10	120	13
	I-294/ Archer Road/	SB	1	12	15	180	20
	79th Street						
		TOTALS:			**3955**		**5273**
					FT		**SY**

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERMITTENT RESURFACING SCHEDULE
ARCHER RD /IL 171, LA GRANGE RD RAMPS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	10
		CONTRACT NO. 60Y07		
	ILLINOIS FED. AID PROJECT			

ROUTE: 88th Avenue/Cork Avenue (Archer Avenue/IL-171 to 79th Street)

CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
Archer Avenue/IL 171		SB	1	12	15	180	20
		SB	2	12	15	180	20
		SB	1	12	10	120	13
		SB	2	12	10	120	13
		SB	1	12	15	180	20
		SB	2	12	15	180	20
		SB	1	12	20	240	27
		SB	2	12	10	120	13
		NB	1	12	10	120	13
		NB	2	12	15	180	20
		NB	1	12	15	180	20
		NB	2	12	10	120	13
		NB	1	12	25	300	33
		NB	2	12	25	300	33
	79th Street	NB	1	12	10	120	13
		TOTALS:			**220**		**293**
					FT		**SY**

ROUTE: NB LaGrange Road (87th Street to Joliet Road)

CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
87th Street		NB	1	12	10	120	13
		NB	1	12	20	240	27
		NB	1	12	50	600	67
		NB	1	12	100	1200	133
		NB	2	12	100	1200	133
		NB	3	12	100	1200	133
		NB	2	12	15	180	20
		NB	1	12	20	240	27
		NB	1	12	20	240	27
		NB	2	12	20	240	27
		NB	3	12	20	240	27
		NB	1	12	15	180	20
		NB	2	12	15	180	20
		NB	3	12	10	120	13
		NB	1	12	25	300	33
		NB	2	12	20	240	27
		NB	3	12	15	180	20
		NB	1	12	20	240	27
		NB	2	12	20	240	27
		NB	3	12	20	240	27
		NB	1	12	30	360	40
		NB	2	12	30	360	40
	I&M Canal	NB	1	3	300	900	100
I&M Canal		NB	2	3	300	900	100
		NB	1	12	8	96	11
		NB	2	12	8	96	11
		NB	3	12	8	96	11
		NB	1	12	8	96	11
		NB	2	12	10	120	13
		NB	3	12	15	180	20
		NB	1	12	15	180	20
	I-55	NB	2	12	10	120	13
I-55		NB	1	3	300	900	100
		NB	2	3	300	900	100
		NB	1	12	15	180	20
		NB	2	12	15	180	20
		NB	3	12	15	180	20
		NB	1	12	15	180	20
		NB	2	12	15	180	20
		NB	3	12	15	180	20
		NB	2	12	15	180	20
		NB	2	12	15	180	20
	Joliet Road	NB	2	12	15	180	20
		TOTALS:			**2112**		**1616**
					FT		**SY**

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERMITTENT RESURFACING SCHEDULE
88th AVE /CORK AVE AND LA GRANGE RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	11
		CONTRACT NO. 60Y07		
	ILLINOIS FED. AID PROJECT			

ROUTE: LaGrange Road (Joliet Road to 22nd Street)

CROSS STREET FROM	CROSS STREET TO	DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
Joliet Road		NB	1	12	40	480	53
		NB	2	12	40	480	53
		NB	TL	12	40	480	53
		NB	1	12	50	600	67
		NB	2	12	20	240	27
		NB	TL	12	10	120	13
		NB	1	12	10	120	13
		NB	2	12	20	240	27
		NB	1	12	10	120	13
		NB	2	12	15	180	20
		NB	1	12	10	120	13
		NB	2	12	50	600	67
		NB	1	12	15	180	20
		NB	2	12	20	240	27
		NB	1	12	15	180	20
		NB	2	12	10	120	13
		NB	1	12	15	180	20
		NB	2	12	10	120	13
		NB	2	6	50	300	33
		NB	2	6	50	300	33
		NB	2	12	15	180	20
		NB	2	6	100	600	67
		NB	2	12	15	180	20
		NB	2	12	15	180	20
		NB	2	12	15	180	20
	22nd Street	NB	2	12	15	180	20
22nd Street		SB	2	12	30	360	40
		SB	1	12	10	120	13
		SB	2	12	10	120	13
		SB	2	12	10	120	13
		SB	2	12	10	120	13
		SB	1	12	10	120	13
		SB	2	12	10	120	13
		SB	1	12	10	120	13
		SB	2	12	10	120	13
		SB	2	12	10	120	13
		SB	1	12	10	120	13
		SB	2	12	10	120	13
		SB	1	12	20	240	27
		SB	2	12	10	120	13
		SB	1	12	15	180	20
		SB	2	12	15	180	20
		SB	1	12	15	180	20
		SB	2	12	15	180	20
		SB	1	12	15	180	20
		SB	2	12	15	180	20
		SB	1	12	150	1800	200
		SB	2	12	150	1800	200
		SB	1	6	100	600	67
		SB	2	12	15	180	20
		SB	1	6	50	300	33
		SB	2	12	15	180	20
		SB	2	12	10	120	13
		SB	1	3	300	900	100
		SB	1	12	15	180	20
		SB	2	12	10	120	13
		SB	1	6	50	300	33
		SB	2	12	10	120	13
	Joliet Road	SB	LT	12	20	240	27
		TOTALS:			1830 FT		1873 SY

ROUTE: Odgen Avenue (Prairie Avenue to Lawndale Avenue)

CROSS STREET FROM	CROSS STREET TO	DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
Prairie Avenue		EB	1	12	15	180	20
		EB	2	12	15	180	20
		EB	2	6	300	1800	200
		EB	1	12	10	120	13
	Lawndale Avenue	EB	2	12	10	120	13
Lawndale Avenue		WB	1	12	10	120	13
		WB	2	12	10	120	13
		WB	2	6	100	600	67
		WB	2	6	100	600	67
		WB	2	6	100	600	67
		WB	1	12	50	600	67
	Prairie Avenue	WB	2	12	30	360	40
		TOTALS:			750 FT		600 SY

ROUTE: Odgen Avenue (Wolf Road to I-294)

CROSS STREET FROM	CROSS STREET TO	DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
W PCC Jt. Bridge over I 294		EB	1	12	15	180	20
		EB	2	12	15	180	20
		EB	3	12	15	180	20
		EB	1	12	15	180	20
		EB	2	12	15	180	20
		EB	1	12	10	120	13
		EB	2	12	10	120	13
		EB	1	12	10	120	13
		EB	2	12	10	120	13
		EB	1	12	10	120	13
		EB	2	12	10	120	13
		EB	1	12	10	120	13
		EB	2	12	10	120	13
		EB	1	12	10	120	13
		EB	2	12	10	120	13
		EB	1	12	10	120	13
		EB	2	12	10	120	13
		EB	1	12	10	120	13
		EB	2	12	10	120	13
		EB	1	12	10	120	13
		EB	2	12	10	120	13
		EB	1	3	400	1200	133
		EB	1	3	300	900	100
		EB	1	12	15	180	20
		EB	2	12	15	180	20
		EB	1	12	15	180	20
	Wolf Road	EB	2	12	15	180	20
Wolf Road		WB	2	12	10	120	13
		WB	2	12	10	120	13
		WB	1	12	15	180	20
		WB	2	12	15	180	20
		WB	3	12	15	180	20
		WB	1	12	100	1200	133
		WB	2	12	100	1200	133
	W PCC Jt. Bridge over I 294	WB	1	3	300	900	100
		TOTALS:			1560 FT		1080 SY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERMITTENT RESURFACING SCHEDULE
LA GRANGE RD AND OGDEN AVE.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	12

CONTRACT NO. 60Y07

ILLINOIS FED. AID PROJECT

ROUTE: Cicero Avenue (78th Street to 87th Street)

CROSS STREET FROM	CROSS STREET TO	DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
87th Street		NB	1	12	200	2400	267
		NB	2	12	200	2400	267
		NB	3	12	200	2400	267
		NB	1	12	15	180	20
		NB	2	12	15	180	20
		NB	3	12	15	180	20
		NB	1	12	15	180	20
		NB	2	12	15	180	20
		NB	3	12	15	180	20
		NB	1	12	100	1200	133
		NB	2	12	100	1200	133
		NB	3	12	100	1200	133
		NB	1	12	15	180	20
		NB	2	12	15	180	20
		NB	3	12	15	180	20
		NB	1	12	50	600	67
		NB	2	12	50	600	67
		NB	3	12	50	600	67
		NB	1	12	100	1200	133
		NB	2	12	100	1200	133
		NB	3	12	100	1200	133
		NB	1	12	20	240	27
		NB	2	12	12	144	16
		NB	3	12	20	240	27
		NB	1	12	15	180	20
		NB	2	12	15	180	20
		NB	3	12	15	180	20
		NB	1	12	50	600	67
		NB	2	12	50	600	67
	78th Street	NB	3	12	50	600	67
78th Street		SB	1	12	200	2400	267
		SB	2	12	200	2400	267
		SB	3	12	200	2400	267
		SB	1	12	15	180	20
		SB	2	12	15	180	20
		SB	3	12	15	180	20
		SB	1	12	15	180	20
		SB	2	12	15	180	20
		SB	3	12	15	180	20
		SB	1	12	100	1200	133
		SB	2	12	100	1200	133
		SB	3	12	100	1200	133
		SB	1	12	15	180	20
		SB	2	12	15	180	20
		SB	3	12	15	180	20
		SB	1	12	50	600	67
		SB	2	12	50	600	67
		SB	3	12	50	600	67
		SB	1	12	100	1200	133
		SB	2	12	100	1200	133
		SB	3	12	100	1200	133
		SB	1	12	20	240	27
		SB	2	12	12	144	16
		SB	3	12	20	240	27
		SB	1	12	15	180	20
		SB	2	12	15	180	20
		SB	3	12	15	180	20
		SB	1	12	50	600	67
		SB	2	12	50	600	67
	87th Street	SB	3	12	50	600	67
		TOTALS:			**3464**		**4619**
					FT		**SY**

ROUTE: Thatcher Avenue (North Avenue to Division Street)

CROSS STREET FROM	CROSS STREET TO	DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
Division Street		NB	1	12	20	240	27
		NB	2	12	20	240	27
		NB	1	3	100	300	33
		NB	2	12	20	240	27
		NB	1	12	30	360	40
		NB	1	12	20	240	27
		NB	1	12	10	120	13
		NB	1	3	100	300	33
		NB	1	12	15	180	20
	North Avenue	NB	1	12	20	240	27
North Avenue		SB	1	12	20	240	27
		SB	2	12	20	240	27
		SB	1	12	20	240	27
		SB	2	12	20	240	27
		SB	1	12	15	180	20
		SB	2	12	100	1200	133
		SB	1	12	30	360	40
		SB	2	12	100	1200	133
		SB	1	12	50	600	67
		SB	2	12	15	180	20
		SB	1	12	20	240	27
		SB	2	12	20	240	27
		SB	1	12	20	240	27
		SB	2	12	100	1200	133
		SB	1	3	150	450	50
		SB	1	12	20	240	27
		SB	1	12	100	1200	133
	Division Street	SB	1	3	400	1200	133
		TOTALS:			**1575**		**1350**
					FT		**SY**

ROUTE: First Avenue Cut-Off (22nd Street to 1st Avenue)

CROSS STREET FROM	CROSS STREET TO	DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
1st Avenue		EB	1	20	20	400	44
		EB	1	20	15	300	33
	22nd Street	EB	1	20	25	500	56
22nd Street		WB	1	20	30	600	67
		WB	1	20	75	1500	167
	1st Avenue	WB	1	20	20	400	44
		TOTALS:			**185**		**411**
					FT		**SY**

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERMITTENT RESURFACING SCHEDULE
CICERO AVE, THATCHER AVE AND 1ST AVE CUT-OFF

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	13
		CONTRACT NO. 60Y07		
	ILLINOIS	FED. AID PROJECT		

ROUTE: IL 56/Butterfield Road (Calvin Avenue to Mannheim Road)

CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
Calvin Avenue		EB	1	12	20	240	27
		EB	2	12	20	240	27
		EB	1	12	30	360	40
		EB	2	12	30	360	40
		EB	1	12	30	360	40
		EB	2	12	30	360	40
		EB	1	3	300	900	100
		EB	2	3	200	600	67
		EB	1	3	100	300	33
		EB	2	12	20	240	27
		EB	1	3	100	300	33
		EB	2	12	20	240	27
		EB	1	12	10	120	13
		EB	2	12	10	120	13
		EB	1	12	10	120	13
		EB	1	12	10	120	13
		EB	1	12	10	120	13
		EB	1	12	10	120	13
		EB	1	12	10	120	13
		EB	1	12	10	120	13
		EB	1	12	10	120	13
		EB	1	12	10	120	13
		EB	1	12	10	120	13
		EB	1	12	10	120	13
		EB	1	12	10	120	13
		EB	1	12	10	120	13
		EB	1	12	10	120	13
		EB	2	12	20	240	27
		EB	1	12	20	240	27
		EB	2	12	100	1200	133
		EB	1	12	20	240	27
		EB	2	3	50	150	17
		EB	1	3	200	600	67
		EB	1	3	300	900	100
		EB	1	12	100	1200	133
		EB	1	12	100	1200	133
		EB	1	12	200	2400	267
		EB	1	12	50	600	67
		EB	1	12	200	2400	267
	Mannheim Road	EB	1	12	300	3600	400

ROUTE: IL 56/Butterfield Road (Calvin Avenue to Mannheim Road) (Continued)

CROSS STREET		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
Mannheim Road		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	2	12	20	240	27
		WB	1	12	100	1200	133
		WB	1	12	100	1200	133
		WB	1	12	30	360	40
		WB	1	12	200	2400	267
		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	1	12	10	120	13
		WB	1	12	100	1200	133
		WB	1	12	200	2400	267
		WB	1	12	100	1200	133
		WB	1	12	100	1200	133
		WB	1	12	100	1200	133
		WB	1	12	100	1200	133
		WB	1	12	100	1200	133
		WB	1	12	100	1200	133
		WB	1	12	100	1200	133
		WB	1	12	100	1200	133
		WB	1	12	30	360	40
		WB	1	12	30	360	40
		WB	1	12	30	360	40
		WB	1	3	200	600	67
		WB	1	3	300	900	100
		WB	1	3	300	900	100
		WB	1	3	300	900	100
		WB	1	12	50	600	67
		WB	1	12	50	600	67
		WB	1	12	50	600	67
		WB	1	12	50	600	67
		WB	1	12	20	240	27
		WB	1	12	20	240	27
		WB	1	12	20	240	27
		WB	1	12	20	240	27
		WB	1	12	20	240	27
		WB	1	12	20	240	27
		WB	1	12	200	2400	267
		WB	1	12	200	2400	267
		WB	1	12	200	2400	267
	Calvin Avenue	WB	1	12	50	600	67
		TOTALS:			6640		6503
					FT		SY

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Default	PLOT DATE = 4/3/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERMITTENT RESURFACING SCHEDULE
IL 56 /BUTTERFIELD RD

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	14
		CONTRACT NO. 60Y07		
	ILLINOIS	FED. AID PROJECT		

ROUTE: 25th Avenue (I-290 to 26th Street)

CROSS STREET FROM	CROSS STREET TO	DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
26th Street		NB	1	12	12	144	16
		NB	1	12	15	180	20
		NB	2	12	15	180	20
		NB	1	12	15	180	20
		NB	2	12	15	180	20
		NB	1	12	30	360	40
		NB	2	12	30	360	40
		NB	1	12	50	600	67
		NB	2	12	50	600	67
		NB	1	12	20	240	27
		NB	2	12	20	240	27
		NB	1	12	15	180	20
		NB	2	12	15	180	20
		NB	1	12	10	120	13
		NB	2	12	10	120	13
		NB	1	12	20	240	27
		NB	2	12	15	180	20
		NB	2	12	40	480	53
		NB	1	12	15	180	20
	S. PCC Jt. I 290 Bridge	NB	2	12	15	180	20
S. PCC Jt. I 290 Bridge		SB	1	12	12	144	16
		SB	1	12	15	180	20
		SB	2	12	15	180	20
		SB	2	12	10	120	13
		SB	2	12	35	420	47
		SB	1	12	15	180	20
		SB	1	12	50	600	67
		SB	1	12	30	360	40
		SB	2	12	30	360	40
		SB	1	12	50	600	67
		SB	2	12	50	600	67
		SB	1	12	20	240	27
		SB	2	12	20	240	27
		SB	1	12	15	180	20
		SB	2	12	15	180	20
		SB	1	12	10	120	13
		SB	2	12	10	120	13
		SB	1	12	20	240	27
		SB	1	12	15	180	20
	26th Street	SB	2	12	15	180	20
		TOTALS:			**879**		**1172**
					FT		**SY**

ROUTE: East Avenue (47th Street to Joliet Road)

CROSS STREET FROM	CROSS STREET TO	DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT PATCH WIDTH	PAVEMENT PATCH LENGTH	REPAIR AREA (SQ FT)	REPAIR AREA (SQ YD)
Joliet Ave		NB	1	12	10	120	13
		NB	1	12	12	144	16
		NB	2	12	10	120	13
		NB	1	12	8	96	11
		NB	2	12	12	144	16
		NB	2	12	10	120	13
		NB	1	12	12	144	16
		NB	2	12	8	96	11
		NB	2	12	10	120	13
		NB	1	12	10	120	13
	47th Street	NB	1	3	200	600	67
47th Street		SB	1	12	10	120	13
		SB	2	12	12	144	16
		SB	2	12	8	96	11
		SB	2	12	8	96	11
		SB	1	12	10	120	13
		SB	1	12	12	144	16
		SB	1	12	10	120	13
		SB	2	12	10	120	13
	Joliet Road	SB	1	3	200	600	67
		TOTALS:			**582**		**376**
					FT		**SY**

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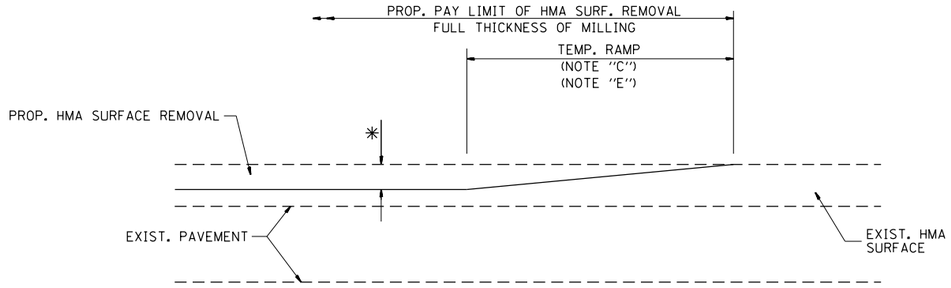
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERMITTENT RESURFACING SCHEDULE
25TH AVE AND EAST AVE

SCALE: | SHEET OF SHEETS | STA. | TO STA.

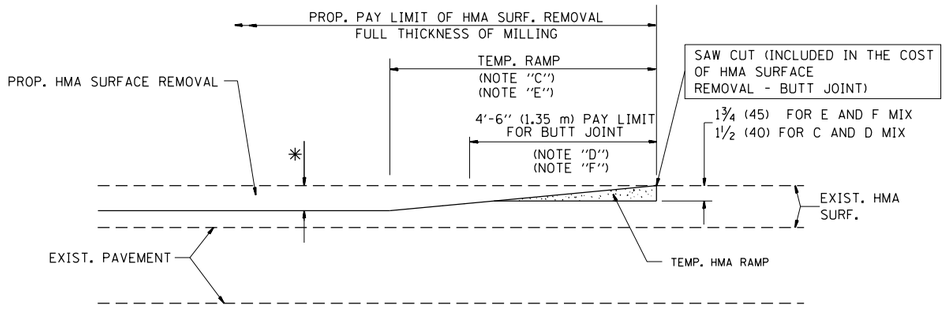
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	15
		CONTRACT NO. 60Y07		
	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

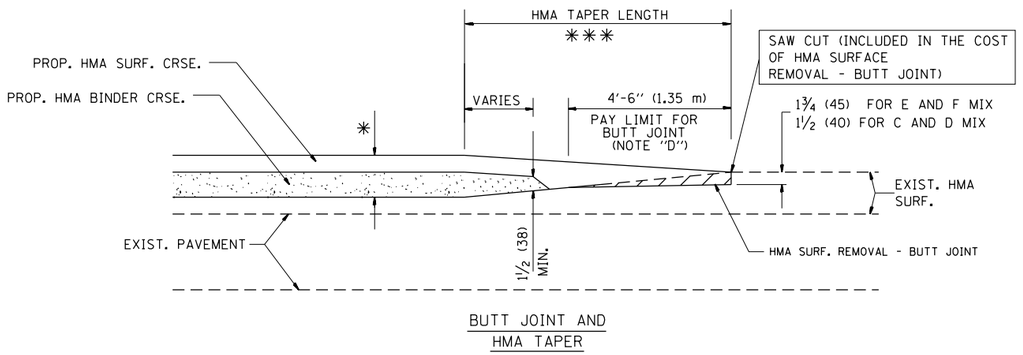


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

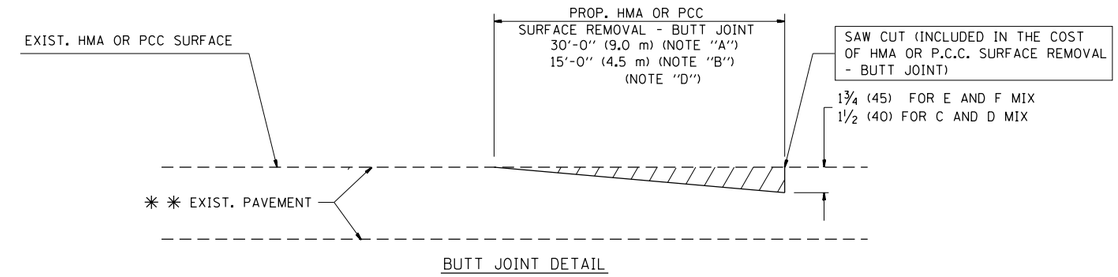
OPTION 2

TYPICAL TEMPORARY RAMP

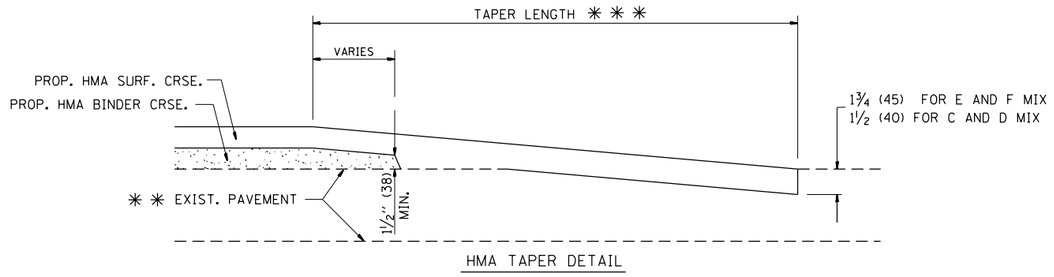


BUTT JOINT AND HMA TAPER

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.

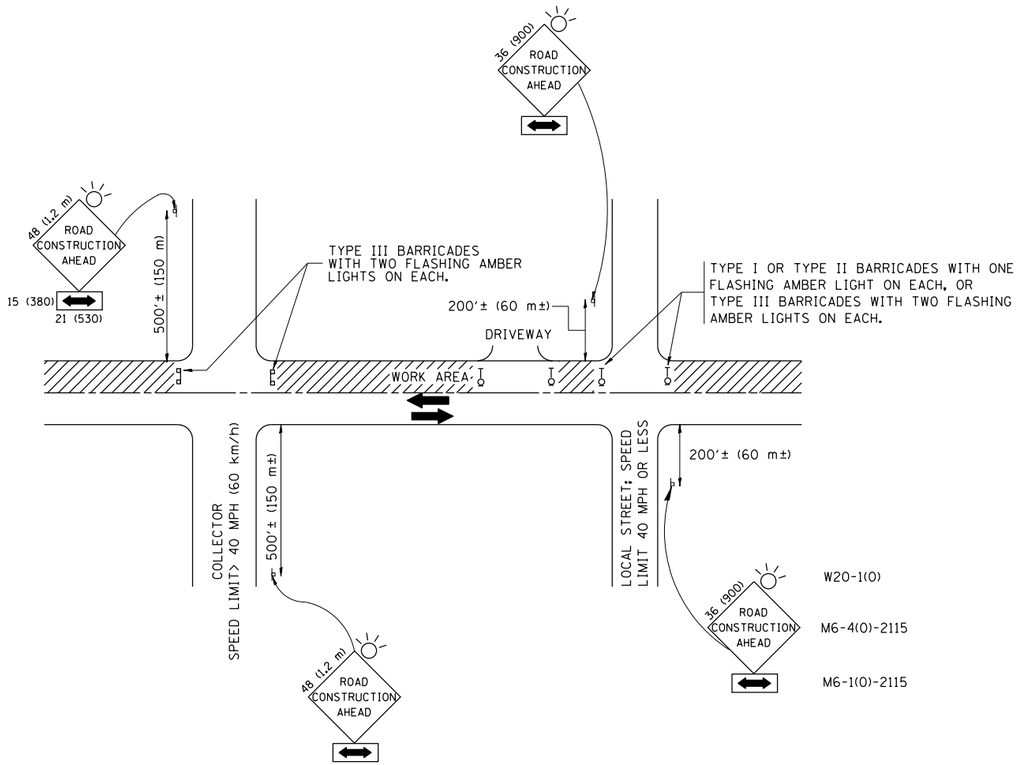
FILE NAME = c:\pw_work\pwidot\aumm\d0382486\60Y07-DistStd.dgn	USER NAME = Aumm	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 4/3/2014	DATE - 06-13-90	REVISED - R. BORO 01-01-07

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.	2014-021RS	COOK	24	16
	BD400-05 BD32	CONTRACT NO. 60Y07		
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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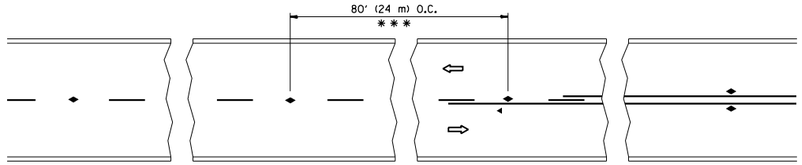
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 4/3/2014	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

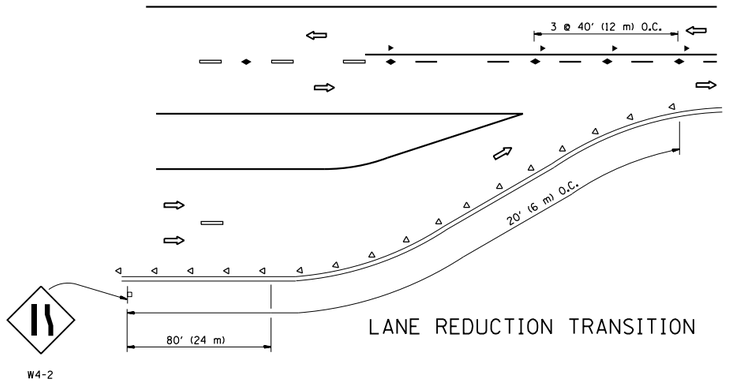
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	17
	TC-10	CONTRACT NO. 60Y07		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

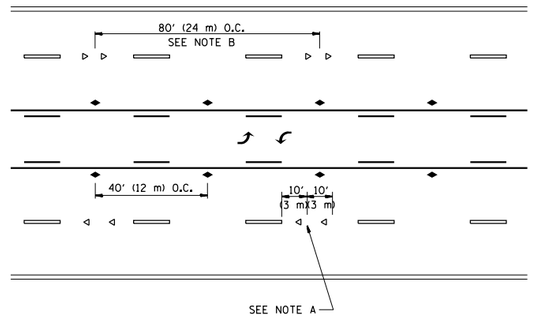


* * * REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

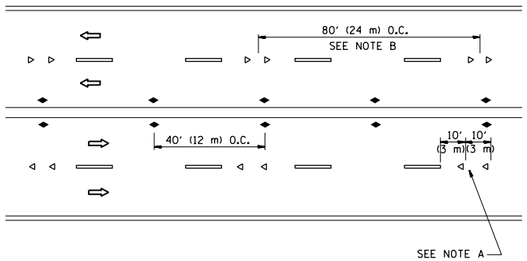
TWO-LANE/TWO-WAY



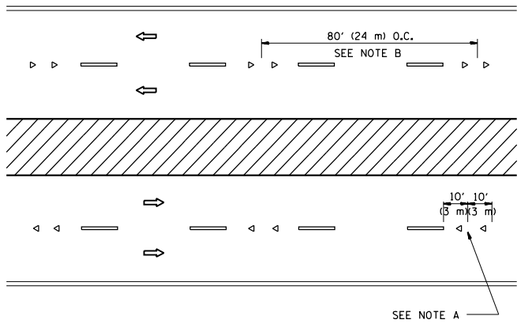
LANE REDUCTION TRANSITION



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

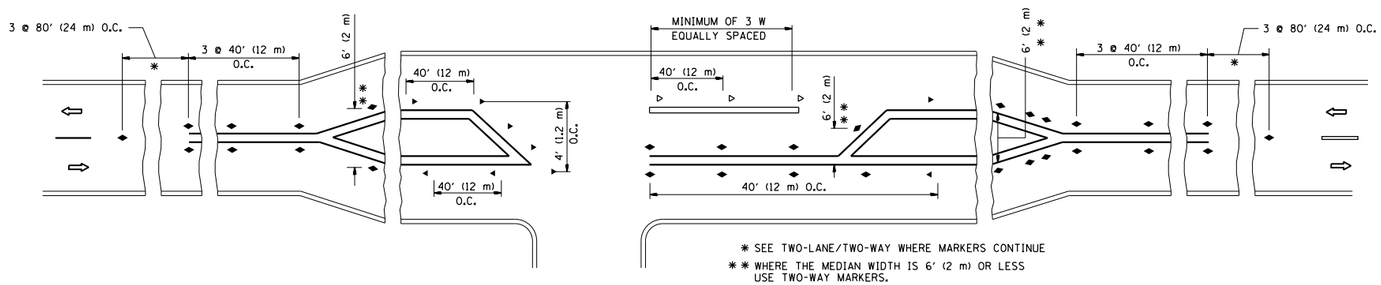
LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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.

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 SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



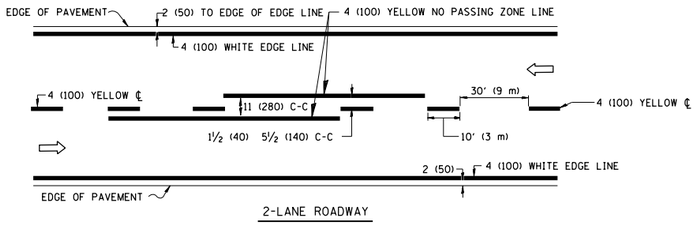
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

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

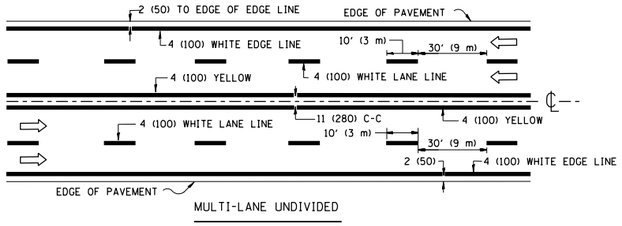
LEFT TURN

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

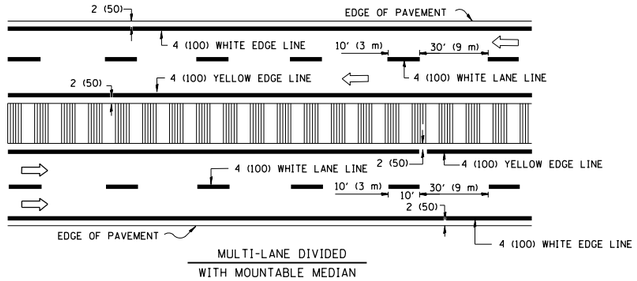
FILE NAME = c:\pw_work\pwidot\aumm\d0382486\60Y07-DistStd.dgn	USER NAME = Aumm	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - T. RAMMACHER 03-12-99					VAR.	2014-021RS	COOK	24	18
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00						TC-11		CONTRACT NO. 60Y07	
	PLOT DATE = 4/3/2014	DATE -	REVISED - C. JUCIUS 09-09-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



2-LANE ROADWAY



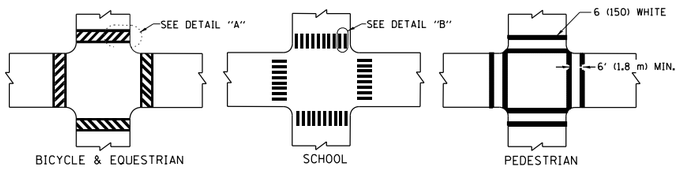
MULTI-LANE UNDIVIDED



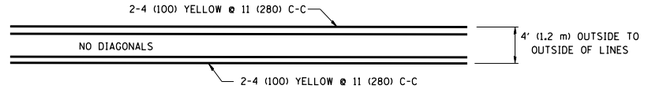
MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

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

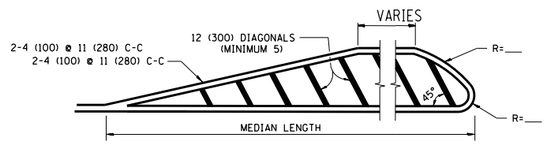
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



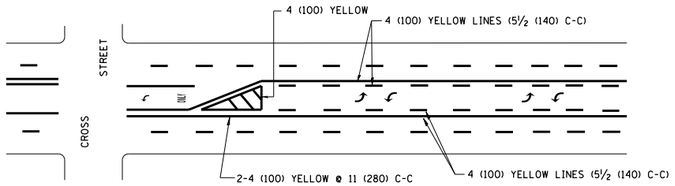
4' (1.2 m) WIDE MEDIANS ONLY



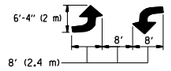
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

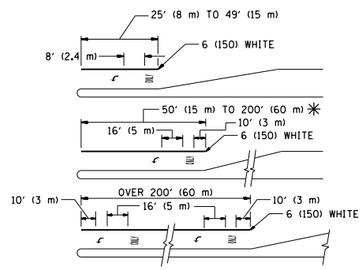


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

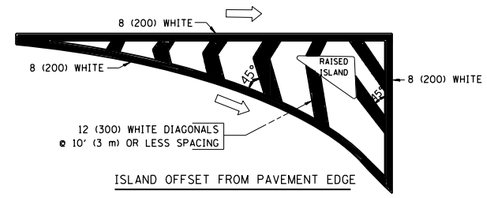


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) **ONLY** AREA = 20.8 SQ. FT. (1.9 m^2)

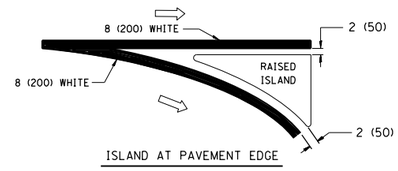
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

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	5½ (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; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 ⌀ 6 (150) 12 (300) ⌀ 45° 12 (300) ⌀ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 ⌀ 4 (100) WITH 12 (300) DIAGONALS ⌀ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS ⌀ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 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.

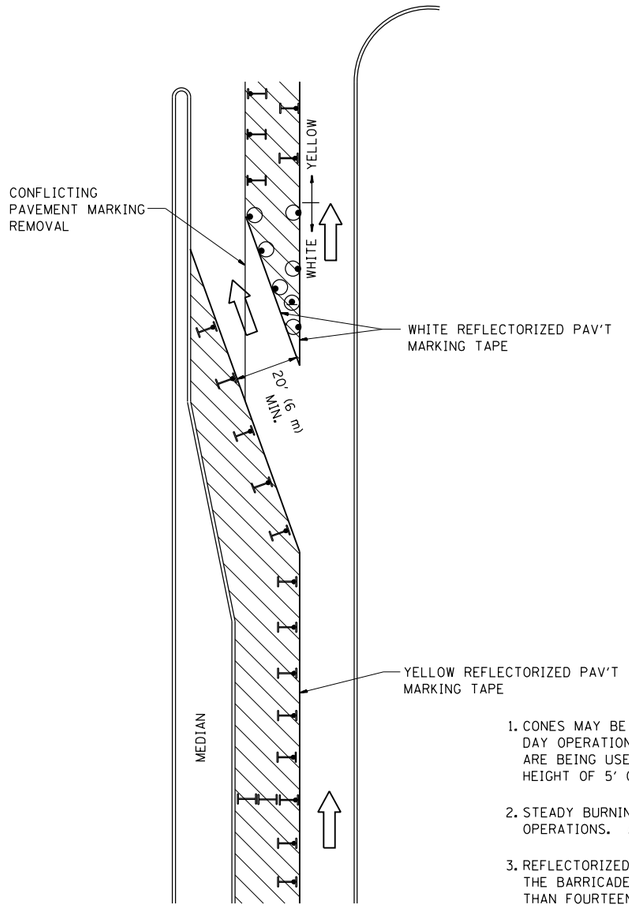
FILE NAME = c:\pw_work\pwidot\aumm\d0382486\60Y07-DistStd.dgn	USER NAME = Aumm	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
		DRAWN -	REVISED -C. JUCIUS 09-09-09
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/3/2014	DATE - 03-19-90	REVISED -

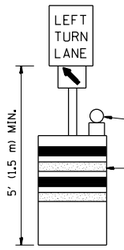
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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.	2014-021RS	COOK	24	19
	TC-13	CONTRACT NO. 60Y07		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





R 3-I100L 24 x 24 (600 x 600)

M6-2L 21 x 15 (530 x 380)

OPTIONAL FLASHING LIGHT

STANDARD 701901
SEE NOTE 8

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 OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHR 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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

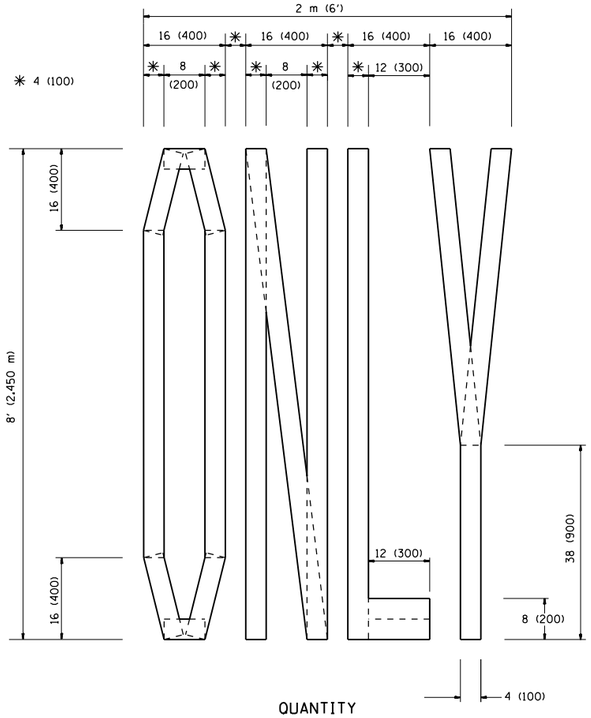
FILE NAME = c:\pw_work\pwidot\aumm\d0382486\60Y07-DistStd.dgn	USER NAME = Aumm	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	PLOT SCALE = 100.0000 ' / in.	REVISED - A. HOUSEH 11-07-95	REVISED -
	PLOT DATE = 4/3/2014	REVISED -T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

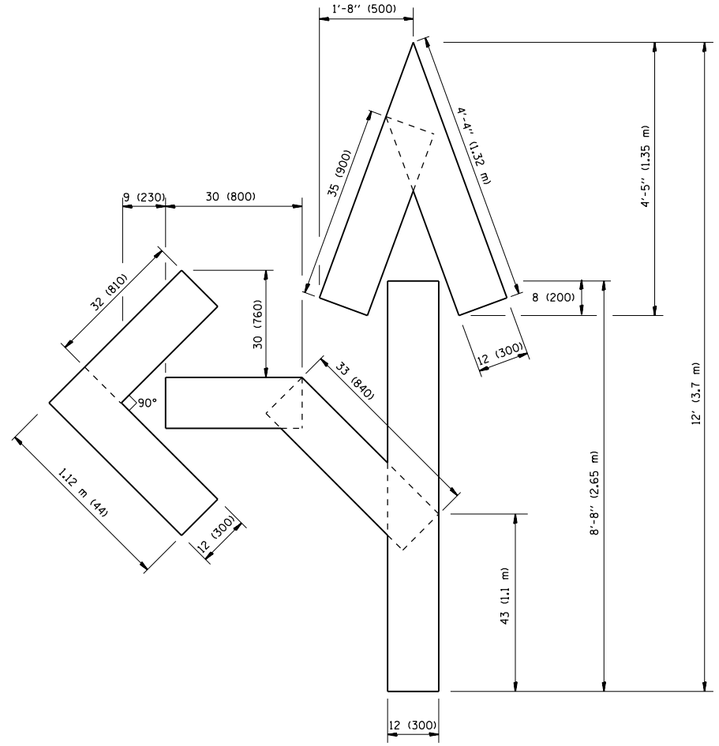
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

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

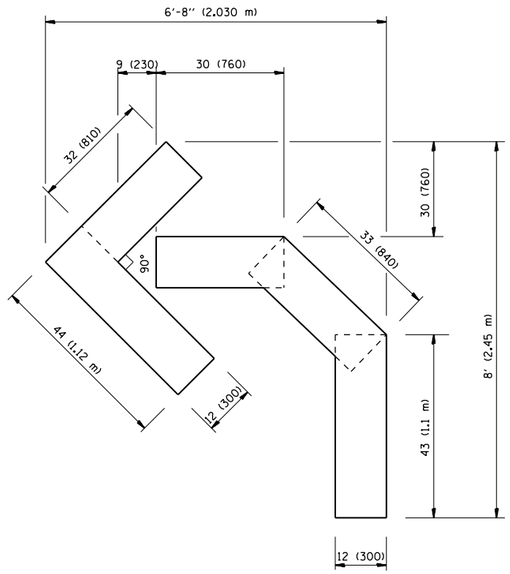
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	20
	TC-14	CONTRACT NO. 60Y07		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



QUANTITY
4 (100) LINE = 64.1 ft. (19.7 m)
21.1 sq. ft. (1.97 sq. m)



QUANTITY
4 (100) LINE = 82.5 ft. (25.3 m)
27.5 sq. ft. (2.53 sq. m)



QUANTITY
4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.39 sq. m)

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

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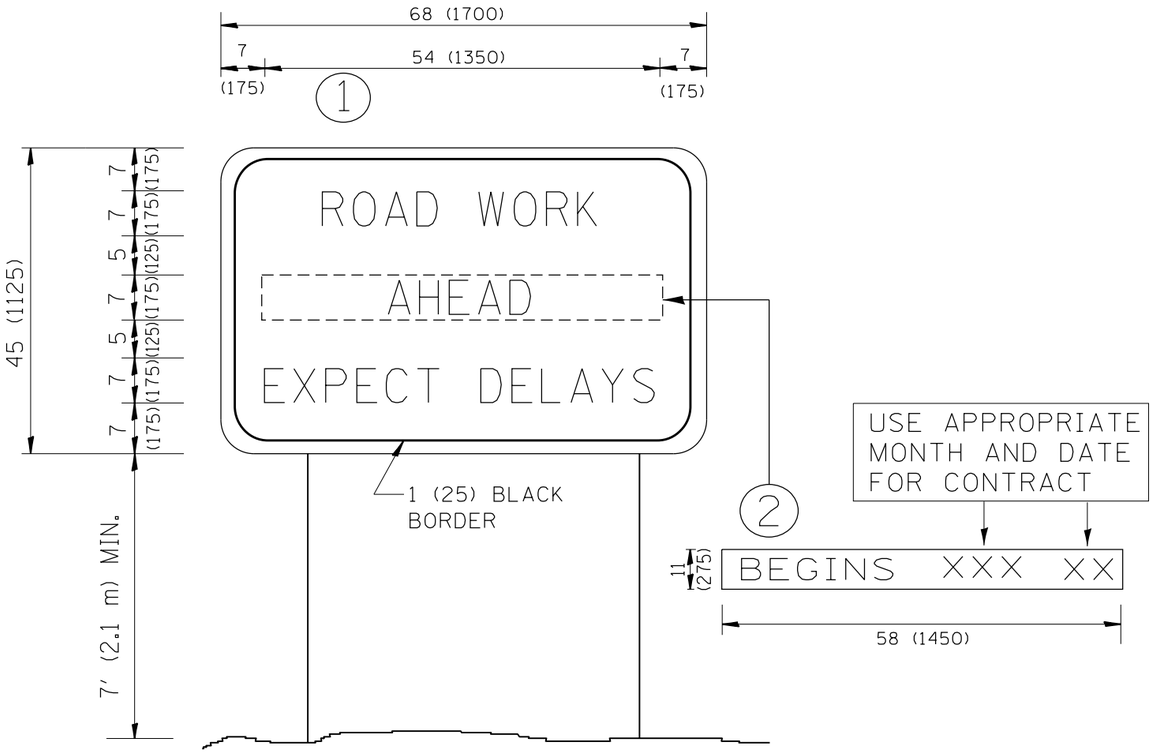
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 4/3/2014	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	21
	TC-16	CONTRACT NO. 60Y07		
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 = c:\pw_work\pwidot\aumm\d0382486\60Y07-DistStd.dgn	USER NAME = Aumm	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -T. RAMMACHER 02-02-99
	PLOT DATE = 4/3/2014	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.	2014-021RS	COOK	24	22
	TC-22	CONTRACT NO. 60Y07		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. 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.

3. 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.

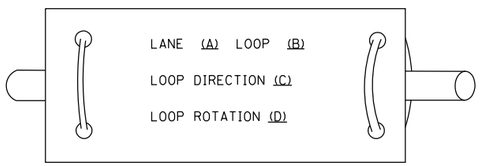
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. 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.

6. 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.

7. PREFORMED 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

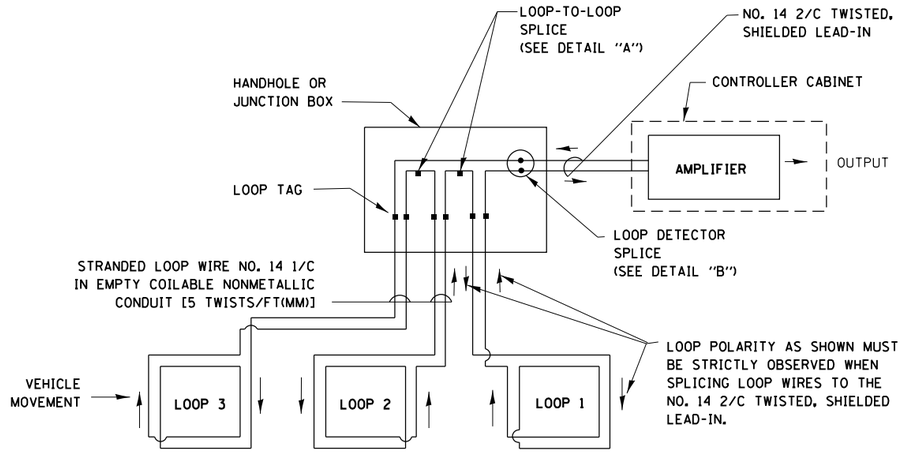


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

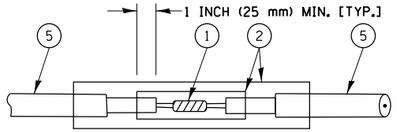
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

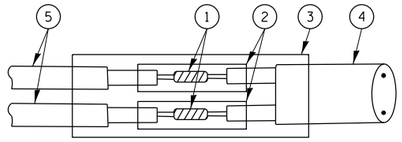


DETECTOR LOOP WIRING SCHEMATIC

- 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.

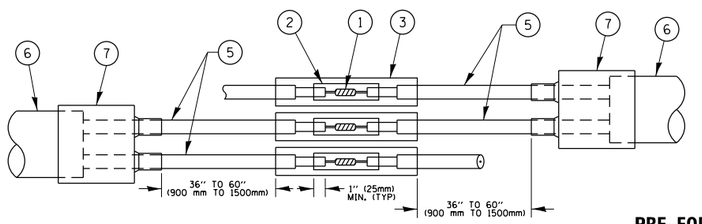


DETAIL "A"
LOOP-TO-LOOP SPLICE



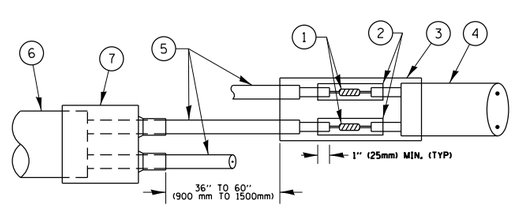
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

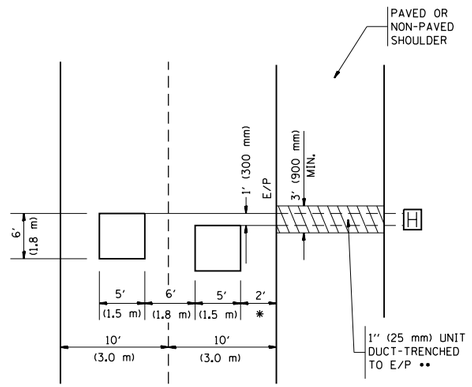
(6) PRE-FORMED LOOP

(7) XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

FILE NAME = c:\pw_work\pwidot\aumm\d0382486\60Y07-DistStd.dgn	USER NAME = Aumm	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BCK	REVISED -					VAR.	2014-021RS	COOK	24	23
	PLOT SCALE = 100.0000 ' / in.	CHECKED - DAD	REVISED -						TS-05	CONTRACT NO. 60Y07		
	PLOT DATE = 4/3/2014	DATE - 10-28-09	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA. TO STA.	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.

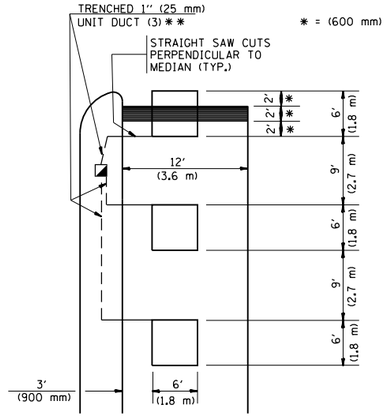


* = (600 mm)

** 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.

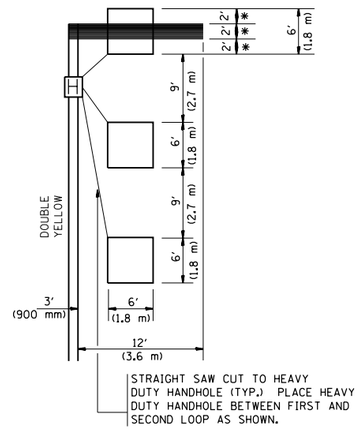


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

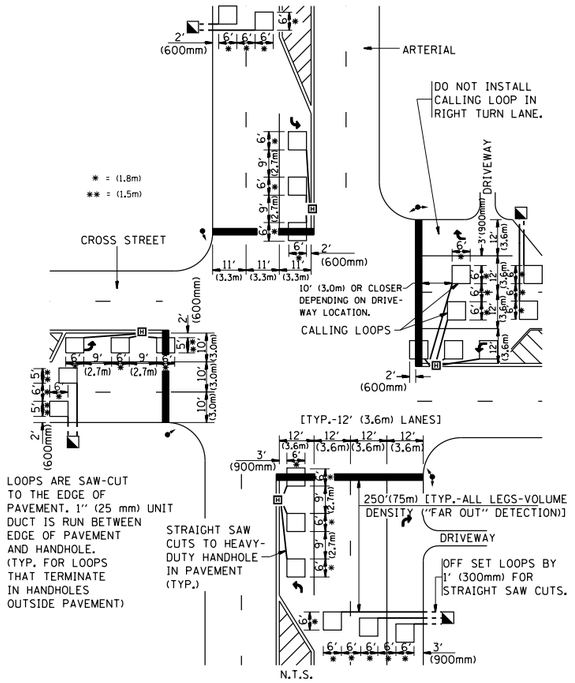
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)

* = (600 mm)



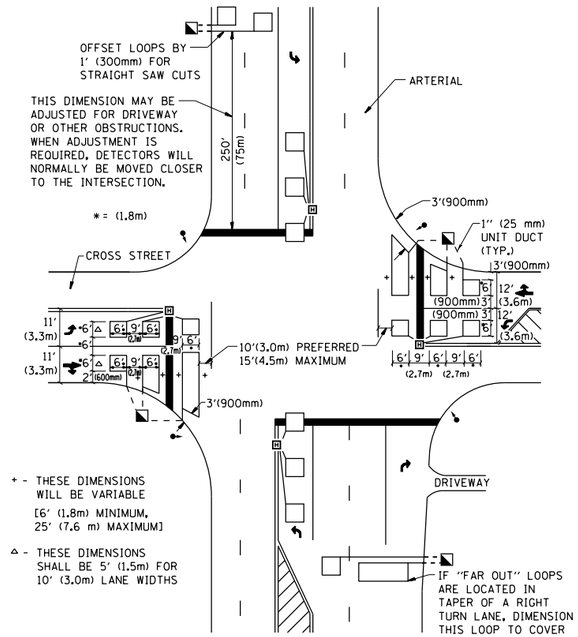
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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 SEPARATLY. 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.

FILE NAME = c:\pw_work\pwidot\aumm\d0382486\60Y07-DistStd.dgn	USER NAME = Aumm	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - R.K.F.	REVISED -
	PLOT DATE = 4/3/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2014-021RS	COOK	24	24
	TS-07	CONTRACT NO. 60Y07		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		