

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2019-032-RS	COOK	30	1
ILLINOIS			CONTRACT NO. 62J10	

203

FOR INDEX OF SHEETS, SEE SHEET NO. 2

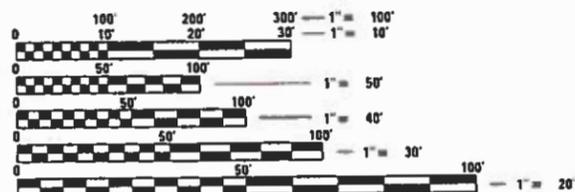
PROPOSED HIGHWAY PLANS

VARIOUS ROUTES
SECTION: 2019-032-RS
VARIOUS LOCATIONS IN SOUTHERN COOK COUNTY
INTERMITTENT RESURFACING
COOK COUNTY
C-91-365-19

- THIS PROJECT IS LOCATED IN:
- THE VILLAGE OF BEDFORD PARK
 - THE VILLAGE OF BRIDGEVIEW
 - THE VILLAGE OF BROOKFIELD
 - THE VILLAGE OF FOREST PARK
 - THE VILLAGE OF JUSTICE
 - THE VILLAGE OF LA GRANGE
 - THE VILLAGE OF LYONS
 - THE VILLAGE OF MERRIONETTE PARK
 - THE VILLAGE OF NORTH RIVERSIDE
 - THE VILLAGE OF PARK FOREST
 - THE VILLAGE OF RIVERSIDE
 - THE VILLAGE OF SUMMIT
 - THE VILLAGE OF WESTCHESTER
 - THE VILLAGE OF WESTERN SPRINGS
 - THE VILLAGE OF WILLOW SPRINGS
 - THE CITY OF BERWYN
 - THE CITY OF BLUE ISLAND
 - THE CITY OF CHICAGO
 - THE CITY OF COUNTRY CLUB HILLS
 - THE TOWN OF CICERO



FOR GENERAL LOCATION MAP, SEE SHEET NO. 4



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 EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: KARI SMITH (847) 705-4437
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62J10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED April 1 2019
Anthony G. Orsoly REGIONAL ENGINEER
May 10 2019
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT
May 19 2019
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 3

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INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION
1	COVER SHEET	000001	TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES	701011	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
3	SUMMARY OF QUANTITIES	701301	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
4	GENERAL LOCATION MAP	701306	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS - DAY ONLY
5	ROUTE INFORMATION	701311	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
6	SUMMARY OF INTERMITTENT RESURFACING SCHEDULE	701336	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES
7-21	INTERMITTENT RESURFACING SCHEDULE	701421	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS \geq 45 MPH TO 55 MPH
22	BUTT JOINT AND HMA TAPER DETAILS (BD-32)	701426	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS \geq 45 MPH
23	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)	701427	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS \leq 40 MPH
24	TYPICAL APPLICATIONS: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)	701502	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
25	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)	701601	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
26	TRAFFIC CONTROL AND PROTECTION OF TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)	701602	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
27	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)	701606	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
28	ARTERIAL ROAD INFORMATION SIGN (TC-22)	701701	URBAN LANE CLOSURE, MULTILANE INTERSECTION
29	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05, SHEET 2 OF 7)	701901	TRAFFIC CONTROL DEVICES
30	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING (TS-07)		

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 DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER AT DON.CHIARUGI@ILLINOIS.GOV, A 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 70-22" 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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PLOT DATE = 4/4/2019	DATE -	REVISED -

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.
	2019-032-RS	COOK	30	2
CONTRACT NO. 62J10			ILLINOIS FED. AID PROJECT	

URBAN

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		100% STATE 0005				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	13651	13651				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	30	30				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	590	590				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2199	2199				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	19633	19633				
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	513	513				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	40	40				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5606	5606				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	36	36				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	670	670				
* SPECIALTY ITEM								

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		100% STATE 0005				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	670	670				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	450	450				
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	171	171				
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	462.6	462.6				

	SOUTHERN COUNTY COUNTY ARTERIAL ROUTES	CITIES/VILLAGES	TOWNSHIPS	SPEED LIMIT	EXISTING ADT (YEAR)
LOC. 1	Kedzie Ave. (115th St. to 123rd St.)	Merrionette Park & Blue Island	Worth	35-40	11,800 (2018)
LOC. 2	Ramp off 95th St. (At Archer Ave.)	Willow Springs	Palos	30	450 (2018)
LOC. 3	183rd Street (Crawford Ave. Intersection)	Country Club Hills	Bremen & Rich	40	14,800 (2017)
LOC. 4	Western Avenue (Monee St. to Steger Rd.)	Park Forest	Monee & Bloom	40	14,300 (2017)
LOC. 5	26TH ST (Des Plaines Ave. to Harlem Ave.)	Riverside & North Riverside	Riverside	30-35	15,300 (2017)
LOC. 6	26TH ST (Laramie Ave. to 51st Ave.)	Cicero	Cicero	35	11,100 (2018)
LOC. 7	FIRST AVE CUTOFF (First Ave. to 22nd Street)	Forest Park	Proviso	NA	5,550 (2018)
LOC. 8	31ST ST (IL-171/first Ave. to I-294) East & West Bounds	La Grange & Brookfield & Westchester	Proviso & Riverside	30-45	19,400 (2017)
LOC. 9	OGDEN AVE (I-294 to La Grange Rd.)	La Grange & Western Springs	Proviso & Lyons	30-35	35,400 (2018)
LOC. 10	OGDEN AVE (East Ave. to Harlem)	Berwyn	Lyons & Riverside	25-30	23,800 (2017)
LOC. 11	OGDEN AVE (Cicero Ave. to Lombard Ave.)	Cicero	Cicero	30-40	23,200 (2018)
LOC. 12	OGDEN AVE (Harlem Ave to Custer Ave.)	Lyons	Lyons & Riverside	25-30	23,800 (2018)
LOC. 13	47TH ST (Laramie Ave. to Central Ave.)	Chicago	Stickney	30	12,600 (2017)
LOC. 14	79TH ST (79th /Archer split to Harlem Ave.)	Justice & Bridgeview	Lyons	35-45	29,800 (2017)
LOC. 15	79TH ST (Harlem Ave. to Archer / IL 171)	Justice & Bridgeview	Lyons	35-45	29,800 (2018)
LOC. 16	63RD ST (Harlem Ave. to Archer / IL 171)	Summit	Lyons	30	16,700 (2018)
LOC. 17	ARCHER / IL-171 (La Grange Rd. to Archer Ave. / 55th Street)	Summit & Bedford Park & Bridgeview & Justice	Lyons Road & Chicago City	30-45	32,200 (2018)

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROUTE INFORMATION
VARIOUS LOCATIONS IN SOUTHERN COOK COUNTY**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2019-032-R5	COOK	30	5
CONTRACT NO. 62J10				
ILLINOIS FED. AID PROJECT				

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SUMMARY - SOUTHERN COUNTY ARTERIAL ROUTES		HMA 2" MILL & RESURFACE (SY)
LOC.1	Kedzie Ave. (115th St. to 123rd St.)	1,417
LOC.2	Ramp off 95th St. (At Archer Ave.)	720
LOC.3	183rd Street (Crawford Ave. Intersection)	1,100
LOC.4	Western Avenue (Monee St. to Steger Rd.)	2,564
LOC.5	26TH ST (Des Plaines Ave. to Harlem Ave.)	967
LOC.6	26TH ST (Laramie Ave. to 51st Ave.)	360
LOC.7	FIRST AVE CUTOFF (First Ave. to 22nd Street)	325
LOC.8	31ST ST (IL-171/first Ave. to I-294) East & West Bounds	5,266
LOC.9	OGDEN AVE (I-294 to La Grange Rd.)	1,463
LOC.10	OGDEN AVE (East Ave. to Harlem)	1,280
LOC.11	OGDEN AVE (Cicero Ave. to Lombard Ave.)	479
LOC.12	OGDEN AVE (Harlem Ave to Custer Ave.)	672
LOC.13	47TH ST (Laramie Ave. to Central Ave.)	248
LOC.14	79TH ST (79th /Archer split to Harlem Ave.)	324
LOC.15	79TH ST (Harlem Ave. to Archer / IL 171)	876
LOC.16	63RD ST (Harlem Ave. to Archer / IL 171)	77
LOC.17	ARCHER / IL-171 (La Grange Rd. to Archer Ave. / 55th Street)	1,495
SOUTHERN COUNTY ARTERIAL TOTAL =		19,633
		SY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF INTERMITTENT RESURFACING SCHEDULE
VARIOUS LOCATIONS IN SOUTHERN COOK COUNTY

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2019-032-R5	COOK	30	6
CONTRACT NO. 62J10				
		ILLINOIS	FED. AID PROJECT	

ROUTE: 183rd street @ Crawford intersection

ROUTE: KEDZIE AVE (SB)

CROSS STREET		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						
115th St.	123rd St.	SB	2	6	50	300	33
115th St.	123rd St.	SB	2	6	20	120	13
115th St.	123rd St.	SB	2	12	12	144	16
115th St.	123rd St.	SB	2	12	6	72	8
115th St.	123rd St.	SB	2	6	15	90	10
115th St.	123rd St.	SB	2	6	10	60	7
115th St.	123rd St.	SB	2	12	12	144	16
115th St.	123rd St.	SB	2	12	6	72	8
123rd St.	115th St.	NB	2	12	15	180	20
123rd St.	115th St.	NB	2	12	6	72	8
123rd St.	115th St.	NB	2	12	6	72	8
123rd St.	115th St.	NB	2	12	6	72	8
123rd St.	115th St.	NB	2	6	14	84	9
123rd St.	115th St.	NB	2	6	15	90	10

TOTALS: 1311 FT 1417 SY

ROUTE: Ramp off 95th street at Archer Ave

CROSS STREET		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						
95TH STREET RAMP	ARCHER	SW	1	12	24	288	32
96th STREET RAMP	ARCHER	SW	1	6	74	444	49
97th STREET RAMP	ARCHER	SW	1	12	40	480	53
98th STREET RAMP	ARCHER	SW	1	12	60	720	80
99th STREET RAMP	ARCHER	SW	1	12	70	840	93
100th STREET RAMP	ARCHER	SW	1	12	40	480	53
101st STREET RAMP	ARCHER	SW	1	12	14	168	19
102nd STREET RAMP	ARCHER	SW	1	6	100	600	67
103rd STREET RAMP	ARCHER	SW	1	12	25	300	33
104th STREET RAMP	ARCHER	SW	1	12	80	960	107
105th STREET RAMP	ARCHER	SW	1	6	60	360	40
106th STREET RAMP	ARCHER	SW	1	12	70	840	93

TOTALS: 657 FT 720 SY

CROSS STREET		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						
North end butt joint	183rd str /crawford	SB	1	12	6	72	8
North end butt joint	183rd str /crawford	SB	1	12	6	72	8
North end butt joint	183rd str /crawford	Edge	2	3	200	600	67
North end butt joint	183rd str /crawford	SB	Joint	3	320	960	107
North end butt joint	183rd str /crawford	SB	1	12	6	72	8
North end butt joint	183rd str /crawford	SB	1	12	8	96	11
North end butt joint	183rd str /crawford	SB	1	12	10	120	13
North end butt joint	183rd str /crawford	SB	1	12	10	120	13
North end butt joint	183rd str /crawford	SB	1	12	45	540	60
North end butt joint	183rd str /crawford	SB	1	12	6	72	8
North end butt joint	183rd str /crawford	SB	1	12	6	72	8
North end butt joint	183rd str /crawford	SB	1	12	6	72	8
North end butt joint	183rd str /crawford	SB	1	12	6	72	8
North end butt joint	183rd str /crawford	SB	1	12	6	72	8
North end butt joint	183rd str /crawford	SB	1	12	6	72	8
North end butt joint	183rd str /crawford	SB	2	12	10	120	13
North end butt joint	183rd str /crawford	SB	2	12	6	72	8
North end butt joint	183rd str /crawford	SB	2	12	8	96	11
North end butt joint	183rd str /crawford	SB	2	12	8	96	11
North end butt joint	183rd str /crawford	SB	2	12	10	120	13
North end butt joint	183rd str /crawford	SB	2	12	10	120	13
North end butt joint	183rd str /crawford	SB	2	12	45	540	60
North end butt joint	183rd str /crawford	SB	2	12	6	72	8
North end butt joint	183rd str /crawford	SB	2	12	6	72	8
North end butt joint	183rd str /crawford	SB	2	12	6	72	8
North end butt joint	183rd str /crawford	SB	2	12	6	72	8
North end butt joint	183rd str /crawford	SB	2	12	6	72	8
North end butt joint	183rd str /crawford	SB	2	12	6	72	8
North end butt joint	183rd str /crawford	SB	2	12	6	72	8
North end butt joint	183rd str /crawford	SB	2	12	6	72	8
North end butt joint	183rd str /crawford	SB	2	12	6	72	8
North end butt joint	183rd str /crawford	SB	2	12	6	72	8
West end butt joint	183rd str /crawford	WB	1	12	6	72	8
West end butt joint	183rd str /crawford	WB	1	12	59	708	79
West end butt joint	183rd str /crawford	WB	1	12	8	96	11
West end butt joint	183rd str /crawford	WB	1	12	6	72	8
West end butt joint	183rd str /crawford	WB	1	12	54	648	72
West end butt joint	183rd str /crawford	WB	1	12	8	96	11
West end butt joint	183rd str /crawford	WB	1	12	8	96	11
West end butt joint	183rd str /crawford	WB	1	12	6	72	8
West end butt joint	183rd str /crawford	WB	1	12	6	72	8
West end butt joint	183rd str /crawford	joint	3	140	420	47	
West end butt joint	183rd str /crawford	WB	2	12	6	72	8
West end butt joint	183rd str /crawford	WB	2	12	59	708	79
West end butt joint	183rd str /crawford	WB	2	12	6	72	8
West end butt joint	183rd str /crawford	WB	2	12	54	648	72
West end butt joint	183rd str /crawford	WB	2	12	8	96	11
West end butt joint	183rd str /crawford	WB	2	12	6	72	8
West end butt joint	183rd str /crawford	WB	2	12	6	72	8
West end butt joint	183rd str /crawford	WB	2	12	6	72	8
West end butt joint	183rd str /crawford	EB	1	12	40	480	53
West end butt joint	183rd str /crawford	EB	1	12	20	240	27
West end butt joint	184th str /crawford	EB	2	12	18	216	24

TOTALS: 1320 FT 1100 SY

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERMITTENT RESURFACING SCHEDULE
KEDZIE AVE & RAMP OFF 95TH STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2019-032-R5	C00K	30	8
CONTRACT NO. 62J10				
ILLINOIS FED. AID PROJECT				

ROUTE: 26th Street

CROSS STREET		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						
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	6	72	8
Desplaines	Harlem	EB	1	12	15	180	20
Desplaines	Harlem	EB	1	12	15	180	20
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	6	72	8
Desplaines	Harlem	EB	2	12	15	180	20
Desplaines	Harlem	EB	2	12	15	180	20

TOTALS: 725 FT 967 SY

ROUTE: 26th Street

CROSS STREET		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						
Laramie	51 st	EB	1	20	40	800	89
Laramie	51 st	EB	1	20	20	400	44
Laramie	51 st	EB	1	20	20	400	44
Laramie	51 st	EB	1	20	20	400	44
Laramie	51 st	EB	1	20	20	400	44
Laramie	51 st	EB	1	20	10	200	22
Laramie	51 st	EB	1	20	10	200	22
51 st	Laramie	WB	1	12	6	72	8
51 st	Laramie	WB	1	12	6	72	8
51 st	Laramie	WB	1	12	15	180	20
51 st	Laramie	WB	2	10	6	60	7
51 st	Laramie	WB	2	10	6	60	7

TOTALS: 179 FT 360 SY

ROUTE: FIRST AVE CUTOFF

CROSS STREET		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						
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	6	90	10
22nd St	First Ave	NB	1	15	40	600	67
First Ave	22nd St	SB	1	15	6	90	10
First Ave	22nd St	SB	1	15	6	90	10
First Ave	22nd St	SB	1	15	6	90	10
First Ave	22nd St	SB	1	15	6	90	10
First Ave	22nd St	SB	1	15	25	375	42
First Ave	22nd St	SB	1	11	6	66	7
First Ave	22nd St	SB	1	11	6	66	7
First Ave	22nd St	SB	2	11	6	66	7
First Ave	22nd St	SB	2	11	6	66	7
First Ave	22nd St	SB	2	11	6	66	7

TOTALS: 203 FT 325 SY

MODEL: Default
 FILE: Model - Patching - 2019-03-28 - 10:00:00 AM
 PROJECT: 2019-03-28 - 10:00:00 AM
 USER: Josephm
 PLOT SCALE: = 100.0000' / in.
 PLOT DATE: = 4/4/2019

USER NAME = Josephm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERMITTENT RESURFACING SCHEDULE 26TH STREET & FIRST AVE CUTT OFF			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2019-032-R5	C00K	30	10
CONTRACT NO. 62J10				
ILLINOIS FED. AID PROJECT				

ROUTE: 31st ST

CROSS STREET		DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT		REPAIR AREA (SQ.FT)	REPAIR AREA (SQ.YD)
FROM	TO			PATCH WIDTH	PAVEMENT LENGTH		
Prairie Ave	1st Ave	EB	1	11	10	110	12
Prairie Ave	1st Ave	EB	1	11	10	110	12
Prairie Ave	1st Ave	EB	1	11	6	66	7
Prairie Ave	1st Ave	EB	1	11	6	66	7
1st Ave	Prairie Ave	WB	1	11	6	66	7
1st Ave	Prairie Ave	WB	1	11	6	66	7
1st Ave	Prairie Ave	WB	1	11	6	66	7
1st Ave	Prairie Ave	WB	1	11	6	66	7
1st Ave	Prairie Ave	WB	1	11	10	110	12
Prairie Ave	Maple Ave	WB	1	11	6	66	7
Maple Ave	Kemman Ave	WB	1	11	6	66	7
Maple Ave	Kemman Ave	WB	1	11	6	66	7
Maple Ave	Kemman Ave	WB	TL	11	6	66	7
Maple Ave	Kemman Ave	WB	1	11	6	66	7
Maple Ave	Kemman Ave	WB	1	11	6	66	7
Maple Ave	Kemman Ave	WB	1	11	20	220	24
Kemman Ave	Forest Rd	WB	1	11	6	66	7
Kemman Ave	Forest Rd	WB	1	11	6	66	7
Forest Rd	La Grange Rd	WB	1	11	6	66	7
Forest Rd	La Grange Rd	WB	1	11	6	66	7
Forest Rd	La Grange Rd	WB	1	11	6	66	7
Forest Rd	La Grange Rd	WB	1	11	6	66	7
Forest Rd	La Grange Rd	WB	1	11	6	66	7
La Grange Rd	Brainard Ave	WB	1	11	10	110	12
Brainard Ave	Mayfair Ave	WB	1	11	20	220	24
Brainard Ave	Mayfair Ave	WB	1	11	10	110	12
Brainard Ave	Mayfair Ave	WB	1	11	6	66	7
Brainard Ave	Mayfair Ave	WB	1	11	6	66	7
Brainard Ave	Mayfair Ave	WB	1	11	6	66	7
Brainard Ave	Mayfair Ave	WB	1	11	6	66	7
Mayfair Ave	Wolf Rd	WB	1	11	6	66	7
Mayfair Ave	Wolf Rd	WB	1	11	6	66	7
Mayfair Ave	Wolf Rd	WB	1	11	6	66	7
Mayfair Ave	Wolf Rd	WB	1	11	6	66	7
Mayfair Ave	Wolf Rd	WB	1	11	6	66	7
Mayfair Ave	Wolf Rd	WB	1	11	6	66	7
Mayfair Ave	Wolf Rd	WB	1	11	6	66	7
Mayfair Ave	Wolf Rd	WB	1	11	6	66	7
Mayfair Ave	Wolf Rd	WB	1	6	100	600	67
Mayfair Ave	Wolf Rd	WB	1	11	6	66	7
Wolf Rd	I-294	WB	1	11	6	66	7
Wolf Rd	I-294	WB	1	11	6	66	7
Wolf Rd	I-294	WB	1	11	6	66	7
Wolf Rd	I-294	WB	1	11	20	220	24
Wolf Rd	I-294	WB	1	11	20	220	24
Wolf Rd	I-294	WB	1	11	10	110	12
Wolf Rd	I-294	WB	1	11	10	110	12
Wolf Rd	I-294	WB	1	11	10	110	12
Wolf Rd	I-294	WB	1	11	10	110	12
Wolf Rd	I-294	WB	1	11	10	110	12
Wolf Rd	I-294	WB	1	11	10	110	12

ROUTE: 31st ST

CROSS STREET		DIRECTION (EB/WB) (NB/SB)	LANE NO. (1, 2, 3)	PAVEMENT		REPAIR AREA (SQ.FT)	REPAIR AREA (SQ.YD)
FROM	TO			PATCH WIDTH	PAVEMENT LENGTH		
I-294	Wolf Rd	EB	2	11	20	220	24
I-294	Wolf Rd	EB	2	11	10	110	12
I-294	Wolf Rd	EB	2	11	10	110	12
I-294	Wolf Rd	EB	2	11	6	66	7
I-294	Wolf Rd	EB	2	11	6	66	7
I-294	Wolf Rd	EB	2	11	6	66	7
I-294	Wolf Rd	EB	2	11	6	66	7
I-294	Wolf Rd	EB	2	11	6	66	7
I-294	Wolf Rd	EB	2	11	6	66	7
I-294	Wolf Rd	EB	2	11	6	66	7
I-294	Wolf Rd	EB	2	11	6	66	7
I-294	Wolf Rd	EB	2	11	6	66	7
I-294	Wolf Rd	EB	2	11	6	66	7
Wolf Rd	Mayfair Ave	EB	2	11	6	66	7
Wolf Rd	Mayfair Ave	EB	2	11	6	66	7
Wolf Rd	Mayfair Ave	EB	2	11	6	66	7
Wolf Rd	Mayfair Ave	EB	2	11	6	66	7
Wolf Rd	Mayfair Ave	EB	2	11	10	110	12
Mayfair Ave	Brainard Ave	EB	2	11	6	66	7
Mayfair Ave	Brainard Ave	EB	2	11	6	66	7
Mayfair Ave	Brainard Ave	EB	2	11	6	66	7
Mayfair Ave	Brainard Ave	EB	2	11	10	110	12
Mayfair Ave	Brainard Ave	EB	2	11	6	66	7
Brainard Ave	La Grange Rd	EB	2	11	6	66	7
Brainard Ave	La Grange Rd	EB	2	11	6	66	7
Brainard Ave	La Grange Rd	EB	2	11	6	66	7
Brainard Ave	La Grange Rd	EB	2	11	6	66	7
Brainard Ave	La Grange Rd	EB	2	11	6	66	7
Brainard Ave	La Grange Rd	EB	2	11	6	66	7
La Grange Rd	Kemman Ave	EB	2	11	20	220	24
La Grange Rd	Kemman Ave	EB	2	11	20	220	24
La Grange Rd	Kemman Ave	EB	2	11	10	110	12
La Grange Rd	Kemman Ave	EB	2	11	30	330	37
La Grange Rd	Kemman Ave	EB	2	11	60	660	73
La Grange Rd	Kemman Ave	EB	2	11	20	220	24
La Grange Rd	Kemman Ave	EB	2	11	6	66	7
La Grange Rd	Kemman Ave	EB	2	11	6	66	7
La Grange Rd	Kemman Ave	EB	2	11	6	66	7
La Grange Rd	Kemman Ave	EB	2	11	10	110	12
Kemman Ave	Raymund Rd	EB	2	11	10	110	12
Kemman Ave	Raymund Rd	EB	2	11	40	440	49
Kemman Ave	Raymund Rd	EB	2	11	6	66	7
Kemman Ave	Raymund Rd	EB	2	11	40	440	49
Kemman Ave	Raymund Rd	EB	2	11	20	220	24
Kemman Ave	Raymund Rd	EB	2	11	20	220	24
Kemman Ave	Raymund Rd	EB	2	11	10	110	12
Kemman Ave	Raymund Rd	EB	2	11	10	110	12
Raymund Rd	Maple Ave	EB	2	11	20	220	24
Raymund Rd	Maple Ave	EB	2	11	30	330	37
Raymund Rd	Maple Ave	EB	2	11	6	66	7
Maple Ave	Prairie Ave	EB	2	11	6	66	7
Maple Ave	Prairie Ave	EB	2	11	6	66	7
Maple Ave	Prairie Ave	EB	2	11	6	66	7
Maple Ave	Prairie Ave	EB	2	11	20	220	24
Maple Ave	Prairie Ave	EB	2	11	6	66	7
Maple Ave	Prairie Ave	EB	2	11	6	66	7
Maple Ave	Prairie Ave	EB	2	11	6	66	7

CONTINUED ON NEXT SHEET

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 USER: Josephm
 PLOT DATE: 4/4/2019

USER NAME = Josephm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERMITTENT RESURFACING SCHEDULE
31TH STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2019-032-R5	C00K	30	14
CONTRACT NO. 62J10				
ILLINOIS FED. AID PROJECT				

ROUTE: 31st ST

CROSS STREET		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						
Prairie Ave	1st Ave	EB	2	11	6	66	7
Prairie Ave	1st Ave	EB	2	11	6	66	7
Prairie Ave	1st Ave	EB	2	11	30	330	37
Prairie Ave	1st Ave	EB	2	11	30	330	37
Prairie Ave	1st Ave	EB	2	11	40	440	49
Prairie Ave	1st Ave	EB	2	11	10	110	12
Prairie Ave	1st Ave	EB	2	11	30	330	37
Prairie Ave	1st Ave	EB	2	11	10	110	12
Prairie Ave	1st Ave	EB	2	11	20	220	24
Prairie Ave	1st Ave	EB	2	11	20	220	24
Prairie Ave	1st Ave	EB	2	11	30	330	37
Prairie Ave	1st Ave	EB	2	11	30	330	37
Prairie Ave	1st Ave	EB	2	11	40	440	49
Prairie Ave	1st Ave	EB	2	11	50	550	61
Prairie Ave	1st Ave	EB	2	11	40	440	49
Prairie Ave	1st Ave	EB	2	11	60	660	73
1st Ave	Prairie Ave	WB	2	11	6	66	7
1st Ave	Prairie Ave	WB	2	11	20	220	24
1st Ave	Prairie Ave	WB	2	11	10	110	12
1st Ave	Prairie Ave	WB	2	11	30	330	37
1st Ave	Prairie Ave	WB	2	11	30	330	37
1st Ave	Prairie Ave	WB	2	11	30	330	37
1st Ave	Prairie Ave	WB	2	11	10	110	12
1st Ave	Prairie Ave	WB	2	11	10	110	12
Prairie Ave	Maple Ave	WB	2	11	10	110	12
Prairie Ave	Maple Ave	WB	2	11	6	66	7
Prairie Ave	Maple Ave	WB	2	11	6	66	7
Prairie Ave	Maple Ave	WB	2	11	10	110	12
Prairie Ave	Maple Ave	WB	2	11	6	66	7
Prairie Ave	Maple Ave	WB	2	11	6	66	7
Prairie Ave	Maple Ave	WB	2	11	6	66	7
Maple Ave	Kemman Ave	WB	2	11	6	66	7
Maple Ave	Kemman Ave	WB	2	11	6	66	7
Maple Ave	Kemman Ave	WB	2	11	6	66	7
Maple Ave	Kemman Ave	WB	2	11	6	66	7
Maple Ave	Kemman Ave	WB	2	11	6	66	7
Maple Ave	Kemman Ave	WB	2	11	20	220	24
Maple Ave	Kemman Ave	WB	2	11	25	275	31
Maple Ave	Kemman Ave	WB	2	11	20	220	24
Maple Ave	Kemman Ave	WB	2	11	6	66	7
Maple Ave	Kemman Ave	WB	2	11	6	66	7
Kemman Ave	Forest Rd	WB	2	11	6	66	7
Kemman Ave	Forest Rd	WB	2	11	6	66	7
Kemman Ave	Forest Rd	WB	2	11	6	66	7
Kemman Ave	Forest Rd	WB	2	11	6	66	7
Kemman Ave	Forest Rd	WB	2	11	6	66	7
Kemman Ave	Forest Rd	WB	2	11	6	66	7
Kemman Ave	Forest Rd	WB	2	11	6	66	7
Forest Rd	La Grange	WB	2	11	6	66	7
Forest Rd	La Grange	WB	2	11	6	66	7
Forest Rd	La Grange	WB	2	11	6	66	7
Forest Rd	La Grange	WB	2	11	6	66	7

ROUTE: 31st ST

CROSS STREET		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						
La Grange Rd	Brainard Ave	WB	2	11	6	66	7
Brainard Ave	Mayfair Ave	WB	2	11	6	66	7
Brainard Ave	Mayfair Ave	WB	2	11	6	66	7
Brainard Ave	Mayfair Ave	WB	2	11	6	66	7
Mayfair Ave	Wolf Rd	WB	2	11	6	66	7
Mayfair Ave	Wolf Rd	WB	2	11	6	66	7
Mayfair Ave	Wolf Rd	WB	2	11	6	66	7
Mayfair Ave	Wolf Rd	WB	2	11	6	66	7
Mayfair Ave	Wolf Rd	WB	2	11	6	66	7
Mayfair Ave	Wolf Rd	WB	2	11	6	66	7
Mayfair Ave	Wolf Rd	WB	2	11	6	66	7
Mayfair Ave	Wolf Rd	WB	2	11	6	66	7
Wolf Rd	I-294	WB	2	11	10	110	12
Wolf Rd	I-294	WB	2	11	6	66	7
Wolf Rd	I-294	WB	2	11	10	110	12
Wolf Rd	I-294	WB	2	11	10	110	12
Wolf Rd	I-294	WB	2	11	6	66	7
Wolf Rd	I-294	WB	2	11	10	110	12
Wolf Rd	I-294	WB	2	11	10	110	12
Wolf Rd	I-294	WB	2	11	6	66	7
Wolf Rd	I-294	WB	2	11	6	66	7
Wolf Rd	I-294	WB	2	11	6	66	7
Wolf Rd	I-294	WB	2	11	10	110	12

TOTALS: 4398 FT 5266 SY

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 PROJECT: J:\Projects\Design\DOT - Offices\District 1\Projects\Design\CADD\Drawn\Design\2019\Projects\31st St\31st St\31st St.dgn

USER NAME = Josephm	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERMITTENT RESURFACING SCHEDULE
31TH STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2019-032-R5	C00K	30	15
CONTRACT NO. 62J10				
ILLINOIS FED. AID PROJECT				

ROUTE: Ogden Ave

CROSS STREET		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						
Waiola Ave	La Grange Rd	EB	2	11	10	110	12
Waiola Ave	La Grange Rd	EB	2	11	10	110	12
Waiola Ave	La Grange Rd	EB	2	11	10	110	12

TOTALS:
1340
FT **1463**
SY

ROUTE: Ogden Ave

CROSS STREET		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						
East Ave	Maple Ave	EB	1	11	6	66	7
Maple Ave	Prairie Ave	EB	1	11	6	66	7
Prairie Ave	1st Ave	EB	1	11	6	66	7
1st Ave	Joliet Ave	EB	1	11	6	66	7
1st Ave	Joliet Ave	EB	1	11	6	66	7
1st Ave	Joliet Ave	EB	1	11	6	66	7
1st Ave	Joliet Ave	EB	1	11	6	66	7
Joliet Ave	Harlem Ave	EB	1	11	10	110	12
Joliet Ave	Harlem Ave	EB	1	11	6	66	7
Joliet Ave	Harlem Ave	EB	1	11	10	110	12
Joliet Ave	Harlem Ave	EB	1	11	6	66	7
Joliet Ave	Harlem Ave	EB	1	11	6	66	7
Joliet Ave	Harlem Ave	EB	1	11	6	66	7
Joliet Ave	Harlem Ave	EB	1	11	6	66	7
Harlem Ave	Joliet Ave	WB	1	11	6	66	7
Harlem Ave	Joliet Ave	WB	1	11	6	66	7
Harlem Ave	Joliet Ave	WB	1	11	6	66	7
Harlem Ave	Joliet Ave	WB	1	11	6	66	7
Harlem Ave	Joliet Ave	WB	1	11	6	66	7
Harlem Ave	Joliet Ave	WB	1	11	6	66	7
Harlem Ave	Joliet Ave	WB	1	11	6	66	7
Harlem Ave	Joliet Ave	WB	1	11	6	66	7
Harlem Ave	Joliet Ave	WB	1	11	6	66	7
Harlem Ave	Joliet Ave	WB	1	11	6	66	7
Harlem Ave	Joliet Ave	WB	1	11	10	110	12
Joliet Ave	Lawndale Ave	WB	1	11	6	66	7
Joliet Ave	Lawndale Ave	WB	1	11	6	66	7
Lawndale Ave	Plainfield Rd	WB	1	11	6	66	7
Lawndale Ave	Plainfield Rd	WB	1	11	6	66	7
Plainfield Rd	Prairie Ave	WB	1	11	6	66	7
Prairie Ave	East Ave	WB	1	11	6	66	7
Prairie Ave	East Ave	WB	1	11	6	66	7
East Ave	Maple Ave	EB	2	11	10	110	12
East Ave	Maple Ave	EB	2	11	6	66	7
East Ave	Maple Ave	EB	2	11	6	66	7
East Ave	Maple Ave	EB	2	11	6	66	7
East Ave	Maple Ave	EB	2	11	6	66	7
Maple Ave	Prairie Ave	EB	2	11	6	66	7
Prairie Ave	Custer Ave	EB	2	11	6	66	7
Prairie Ave	Custer Ave	EB	2	11	10	110	12
Prairie Ave	Custer Ave	EB	2	11	10	110	12
Custer Ave	East Ave	EB	2	11	6	66	7
Custer Ave	East Ave	EB	2	11	10	110	12
Custer Ave	East Ave	EB	2	11	6	66	7
East Ave	Joliet Ave	EB	2	11	6	66	7
East Ave	Joliet Ave	EB	2	11	6	66	7
East Ave	Joliet Ave	EB	2	11	15	165	18
East Ave	Joliet Ave	EB	2	11	6	66	7
East Ave	Joliet Ave	EB	2	11	10	110	12
East Ave	Joliet Ave	EB	2	11	6	66	7
East Ave	Joliet Ave	EB	2	11	6	66	7
East Ave	Joliet Ave	EB	2	11	6	66	7
East Ave	Joliet Ave	EB	2	11	6	66	7
East Ave	Joliet Ave	EB	2	11	6	66	7
East Ave	Joliet Ave	EB	2	11	10	110	12
East Ave	Joliet Ave	EB	2	11	6	66	7

CONTINUED ON NEXT SHEET

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERMITTENT RESURFACING SCHEDULE OGDEN AVE			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2019-032-R5	COOK	30	17
CONTRACT NO. 62J10				
		ILLINOIS FED. AID PROJECT		

ROUTE: 79th St (Harlem Ave to Archer/IL 171)

CROSS STREET		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						
Harlem	Oketo	WB	3	12	35	420	47
Harlem	Oketo	WB	2	12	6	72	8
Harlem	Oketo	WB	1	12	6	72	8
Harlem	Oketo	WB	2	12	6	72	8
Harlem	Oketo	WB	2	12	12	144	16
Oketo	76th Ave	WB	1	12	10	120	13
Oketo	76th Ave	WB	1	12	10	120	13
Oketo	76th Ave	WB	2	12	10	120	13
Oketo	76th Ave	WB	2	12	30	360	40
76th Ave	78th Ave	WB	1	12	10	120	13
76th Ave	78th Ave	WB	1	12	20	240	27
78th Ave	80th Ave	WB	1	12	50	600	67
81st Ave	82nd Ave	WB	2	12	13	156	17
81st Ave	82nd Ave	WB	2	12	20	240	27
82nd Ave	82nd Ct	WB	2	12	6	72	8
82nd Ave	82nd Ct	WB	2	12	6	72	8
82nd Ave	82nd Ct	WB	2	12	35	420	47
82nd Ave	82nd Ct	WB	2	12	40	480	53
83rd Ave	83rd Ct	WB	2	12	6	72	8
83rd Ct	84th Ave	WB	2	12	15	180	20
85th Ct	86th Ave	WB	2	12	20	240	27
85th Ct	86th Ave	WB	1	12	40	480	53
87th Ave	87th Ct	WB	1	12	20	240	27
88th Ave	I-294 Underpass	WB	1	12	50	600	67
88th Ave	I-294 Underpass	WB	2	12	50	600	67
88th Ave	87th Ct	EB	2	12	15	180	20
87th Ct	87th Ave	EB	2	12	10	120	13
83rd Ave	82nd Ct	EB	2	12	15	180	20
82nd Ct	82nd Ave	EB	2	12	6	72	8
78th Ave	76th Ave	EB	1	12	50	600	67
76th Ave	Oketo	EB	1	12	15	180	20
Oketo	Harlem	EB	1	12	20	240	27

TOTALS: 657 FT 876 SY

ROUTE: 63rd St (Harlem Ave to Archer/ IL 171)

CROSS STREET		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						
73rd Ave	74th Ave	WB	2/3	12	16	192	21
74th Ave	75th Ave	WB	1	12	14	168	19
						0	0
IL 171/Archer	76th Ave	EB	2	12	17	204	23
74th Ave	73rd Ave	EB	2	12	11	132	15

TOTALS: 58 FT 77 SY

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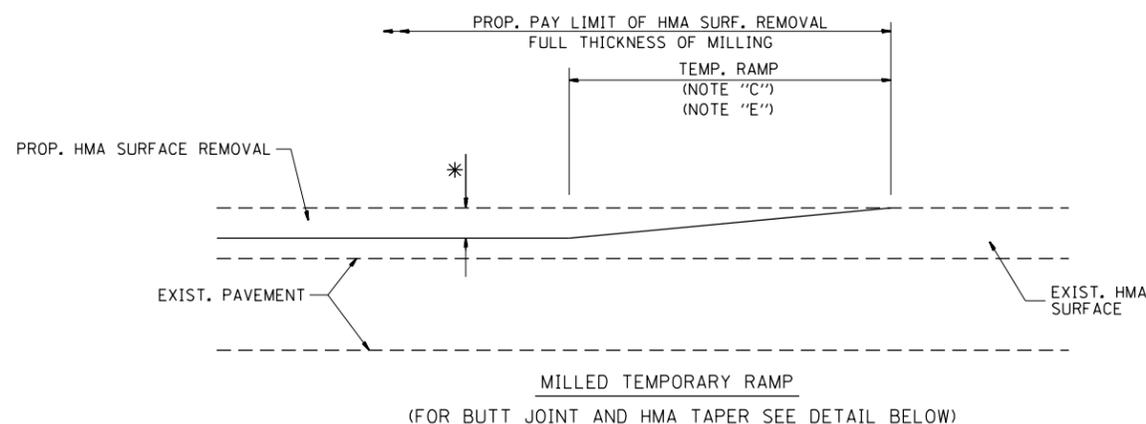
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

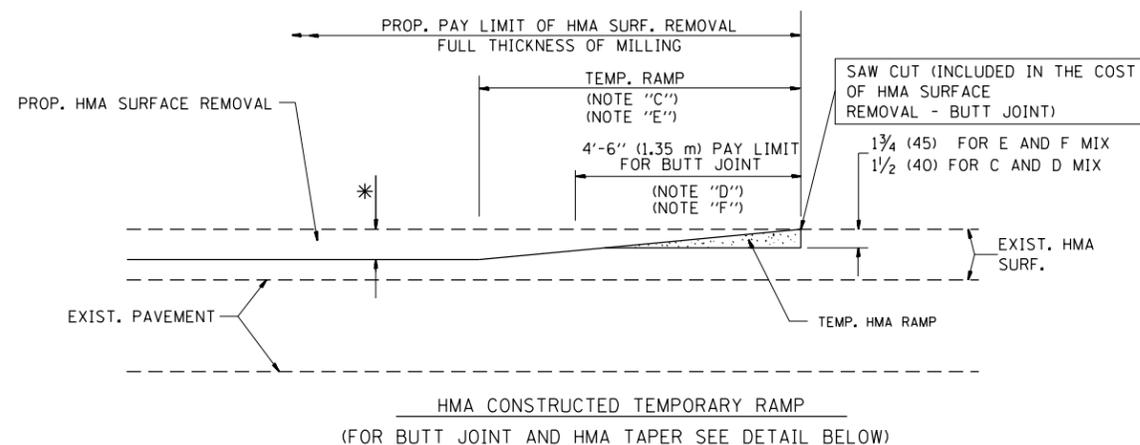
**INTERMITTENT RESURFACING SCHEDULE
79TH STREET & 63RD STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2019-032-R5	C00K	30	20
CONTRACT NO. 62J10				
ILLINOIS FED. AID PROJECT				

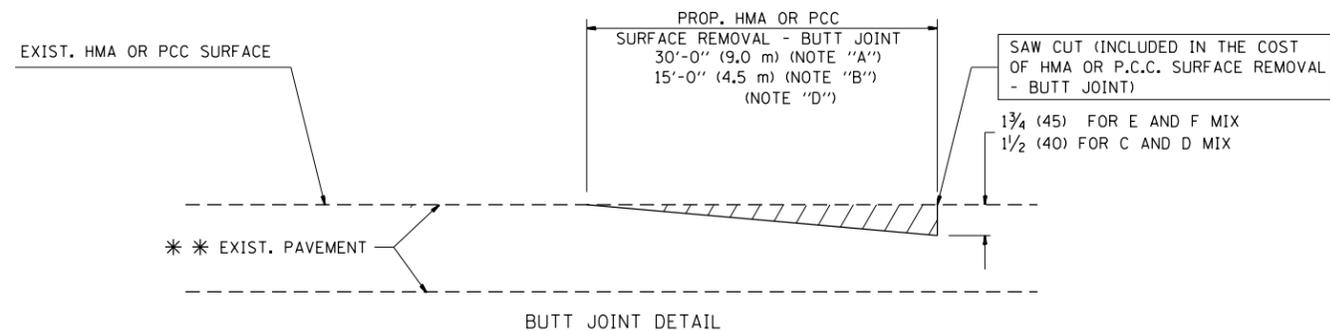


OPTION 1

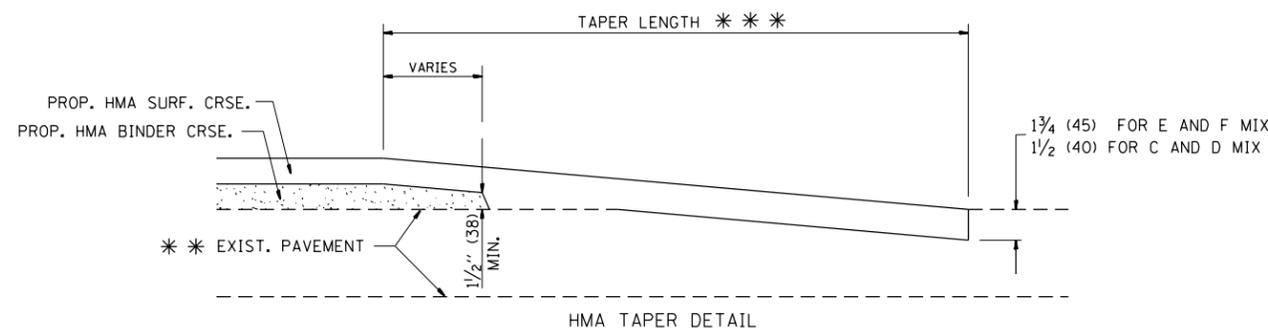


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

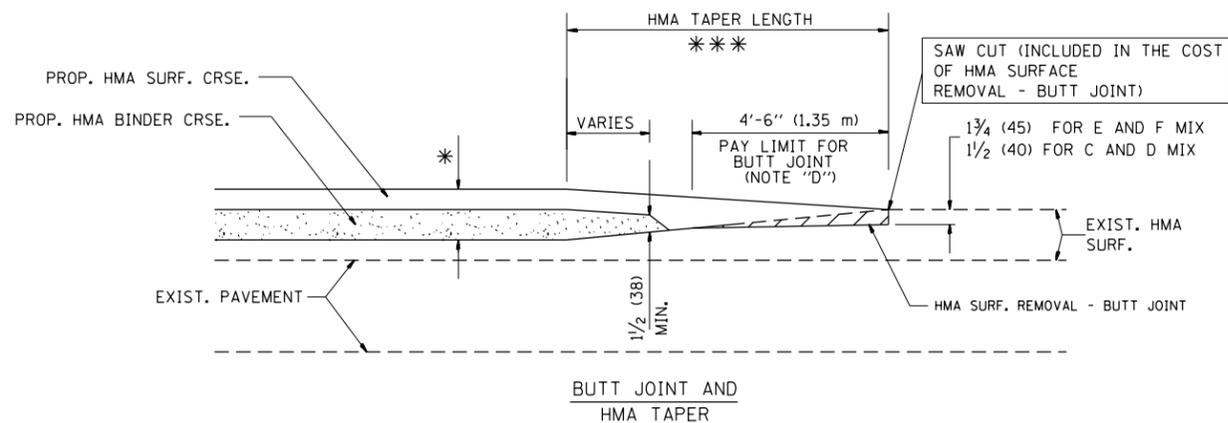
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

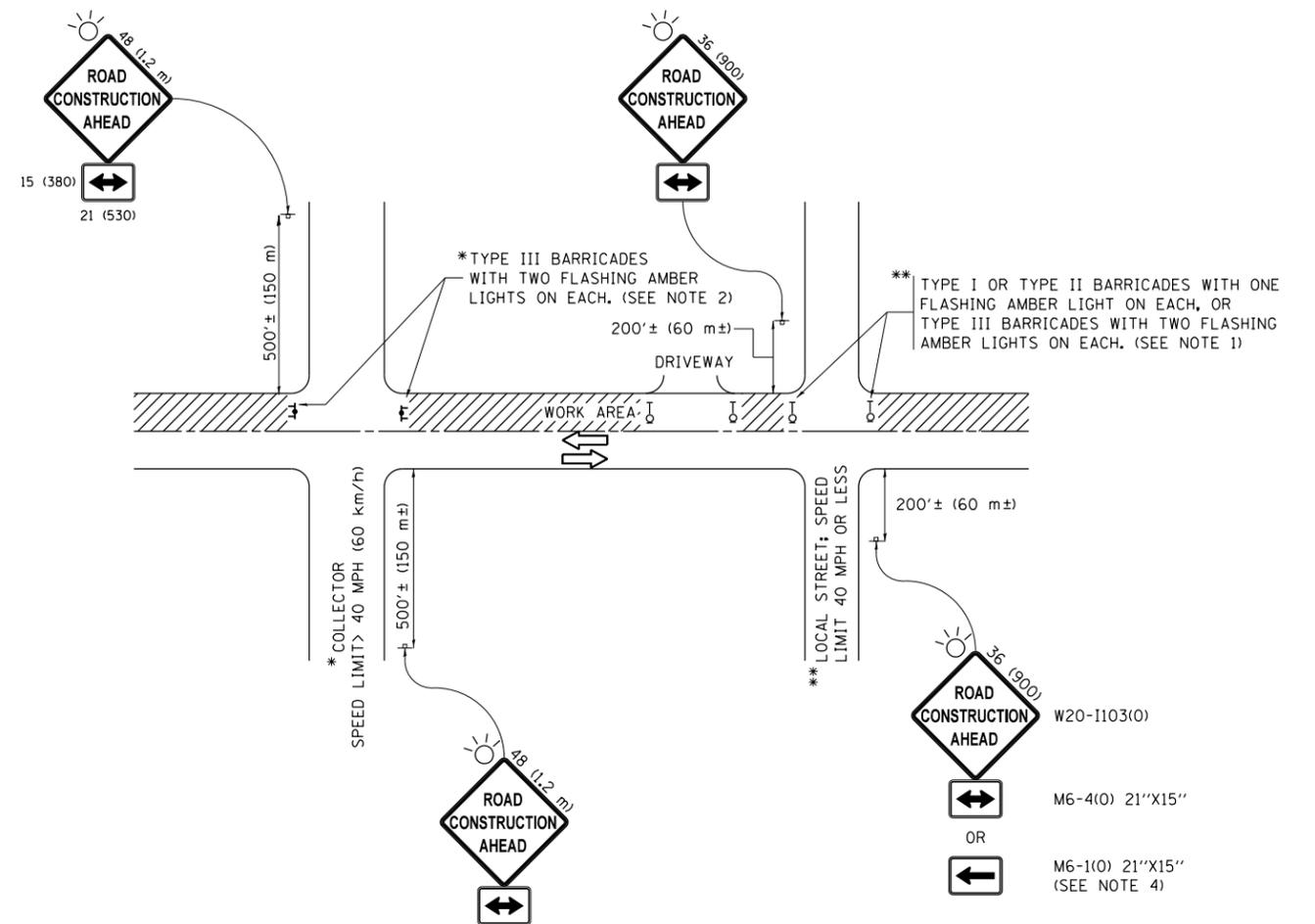
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	PLOT DATE = 4/4/2019	DATE - 06-13-90	

**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	2019-032-RS	COOK	30	22
BD400-05 BD32		CONTRACT NO. 62110		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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 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. 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.
4. 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).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

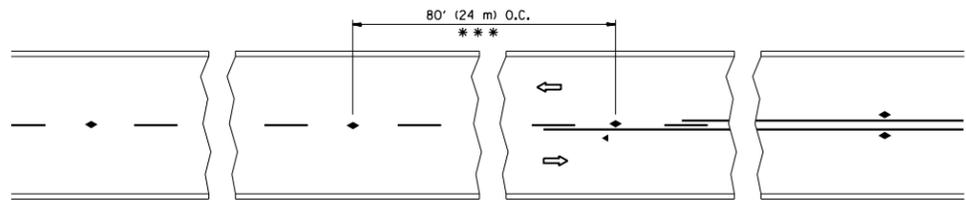
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

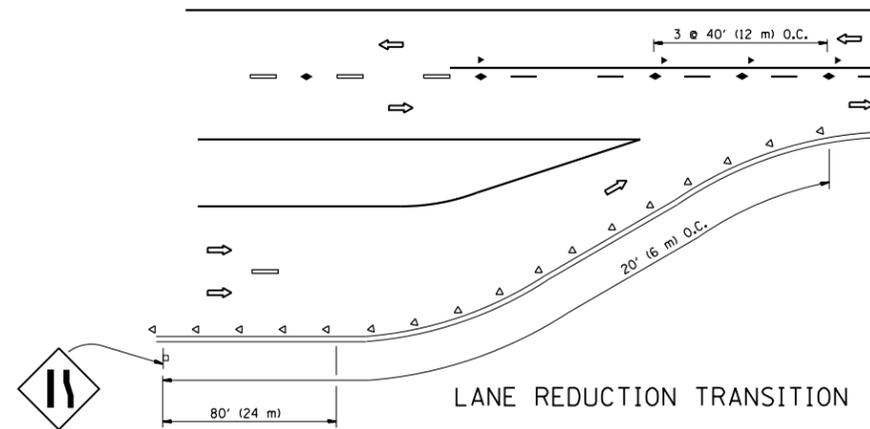
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2019-032-R5	COOK	30	23
TC-10		CONTRACT NO. 62J10		
ILLINOIS FED. AID PROJECT				

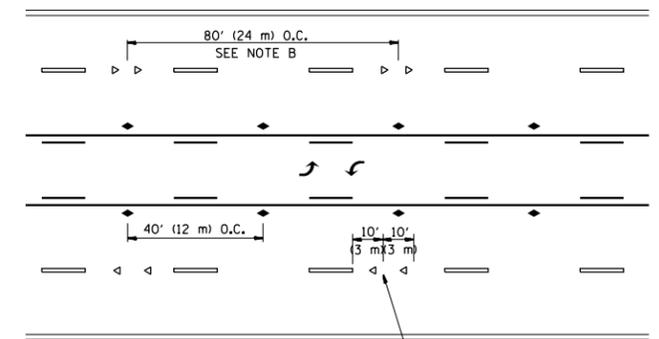


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

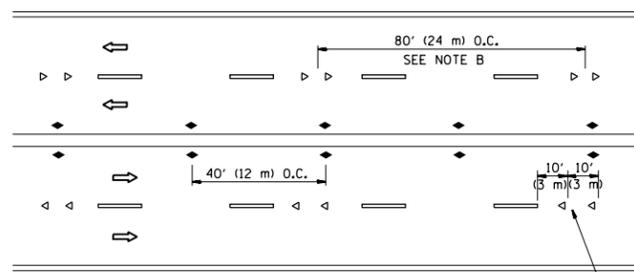
TWO-LANE/TWO-WAY



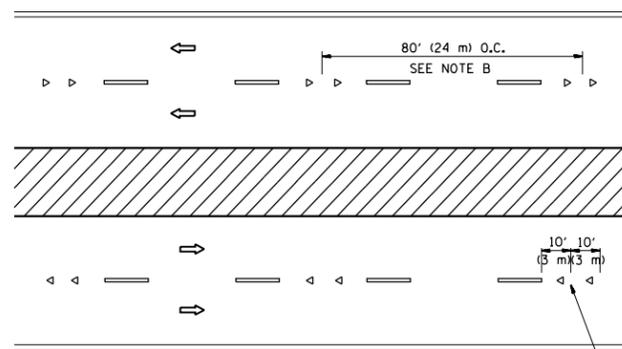
LANE REDUCTION TRANSITION



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

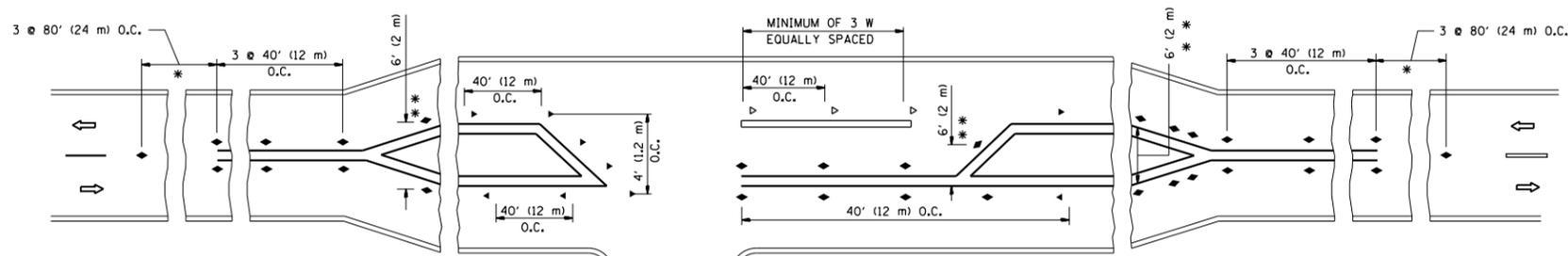
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



LEFT TURN

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

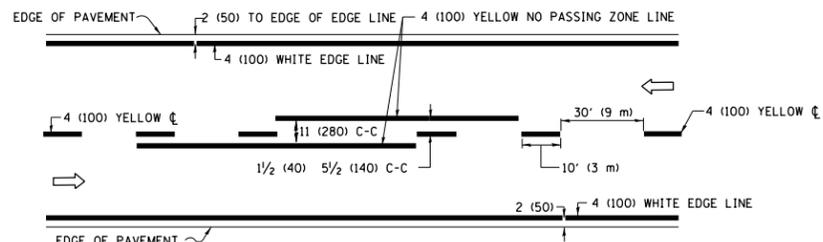
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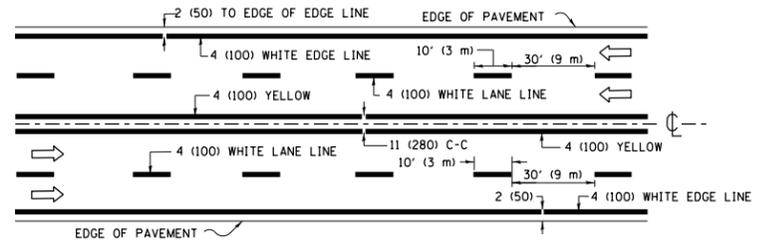
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

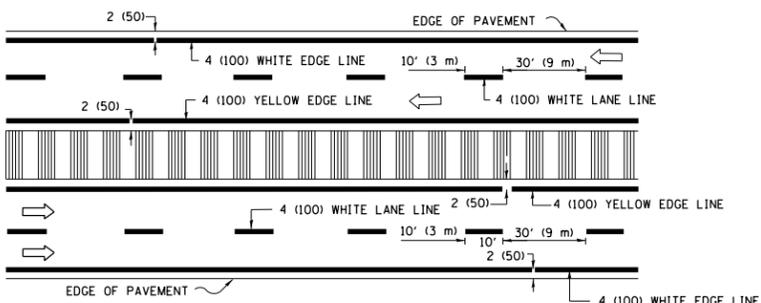
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VAR	2019-032-RS	COOK	30	24
TC-11			CONTRACT NO. 62110	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

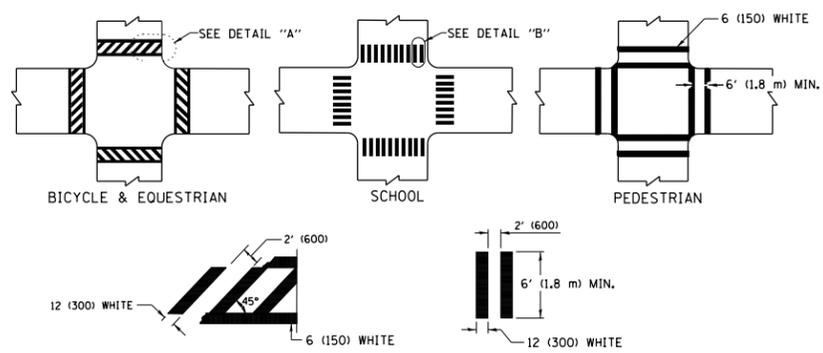


MULTI-LANE UNDIVIDED



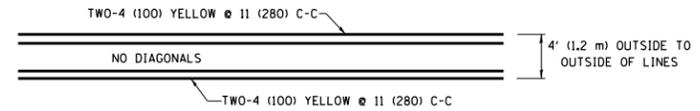
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

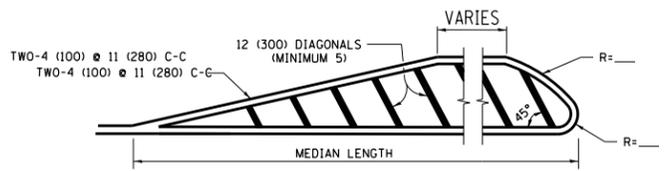


TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

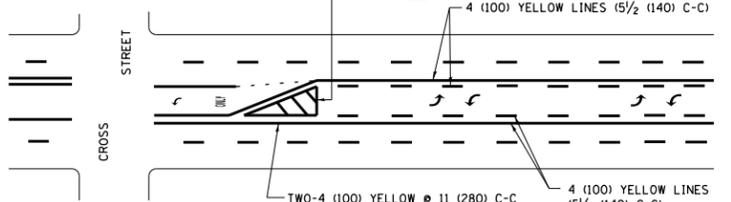


4' (1.2 m) WIDE MEDIANS ONLY



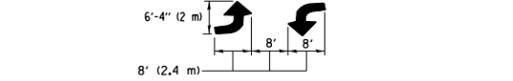
MEDIANS OVER 4' (1.2 m) WIDE

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))



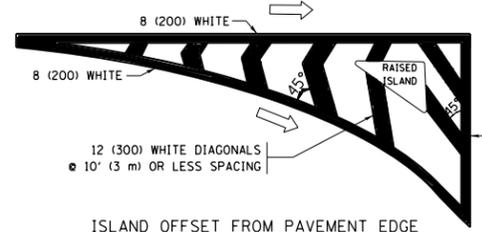
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

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

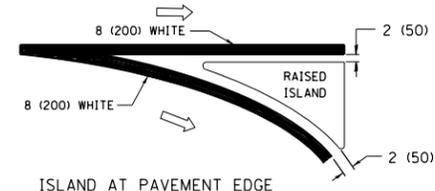


TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

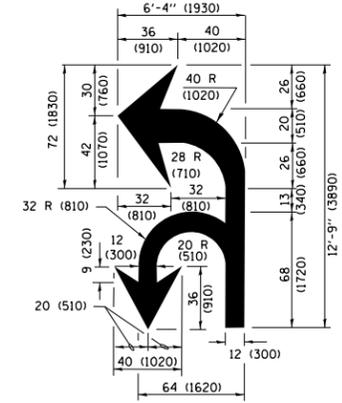
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



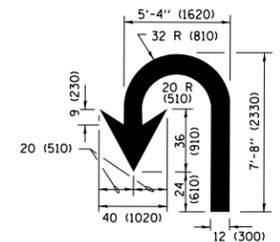
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	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))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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 = Josephm	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw:\planroom.dot\illinois.gov\PWIDOT\Documents\1007 Offices\District 1\Projects\Design\Drawn\Design\2019\Patching\HMA\HMA-Ar\REVISED Cook-District 1\07-01-13		CHECKED -	REVISED - C. JUCIUS 12-21-15
Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2019-032-RS	COOK	30	25
TC-13		CONTRACT NO. 62110		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

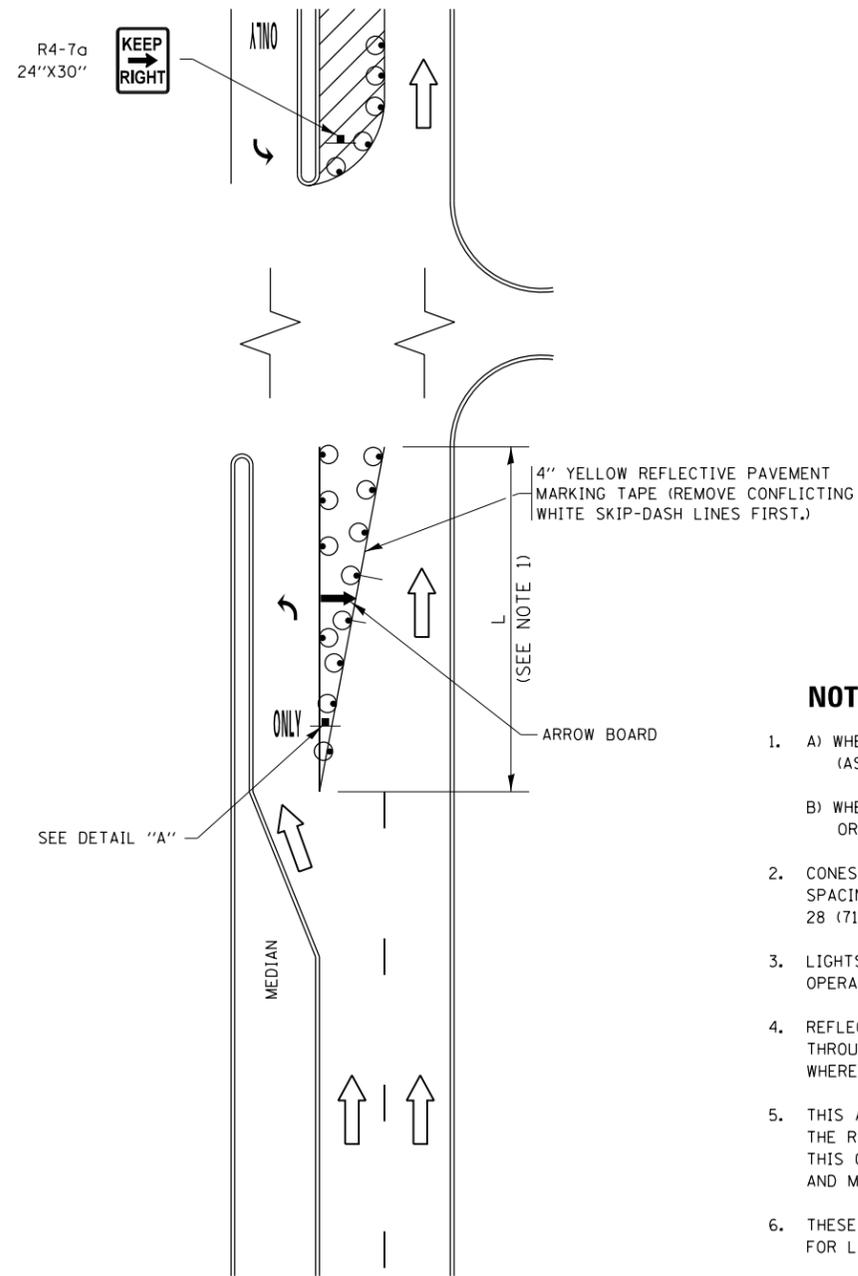
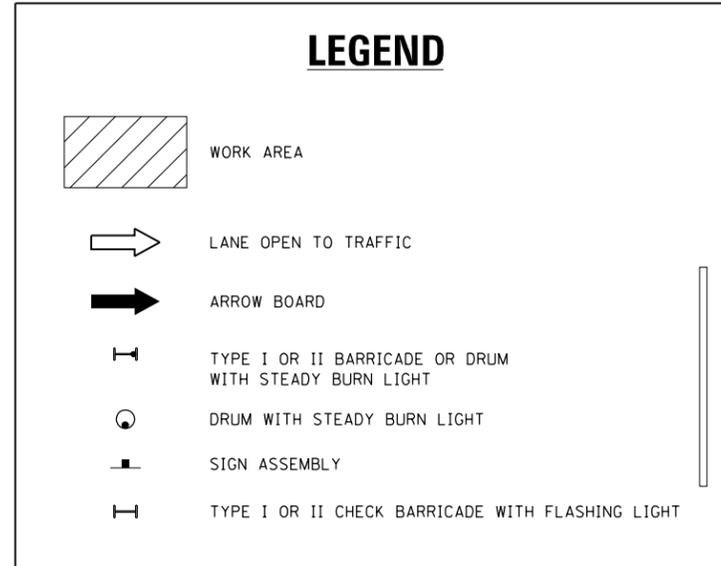


FIGURE 1



NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. 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.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. 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" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

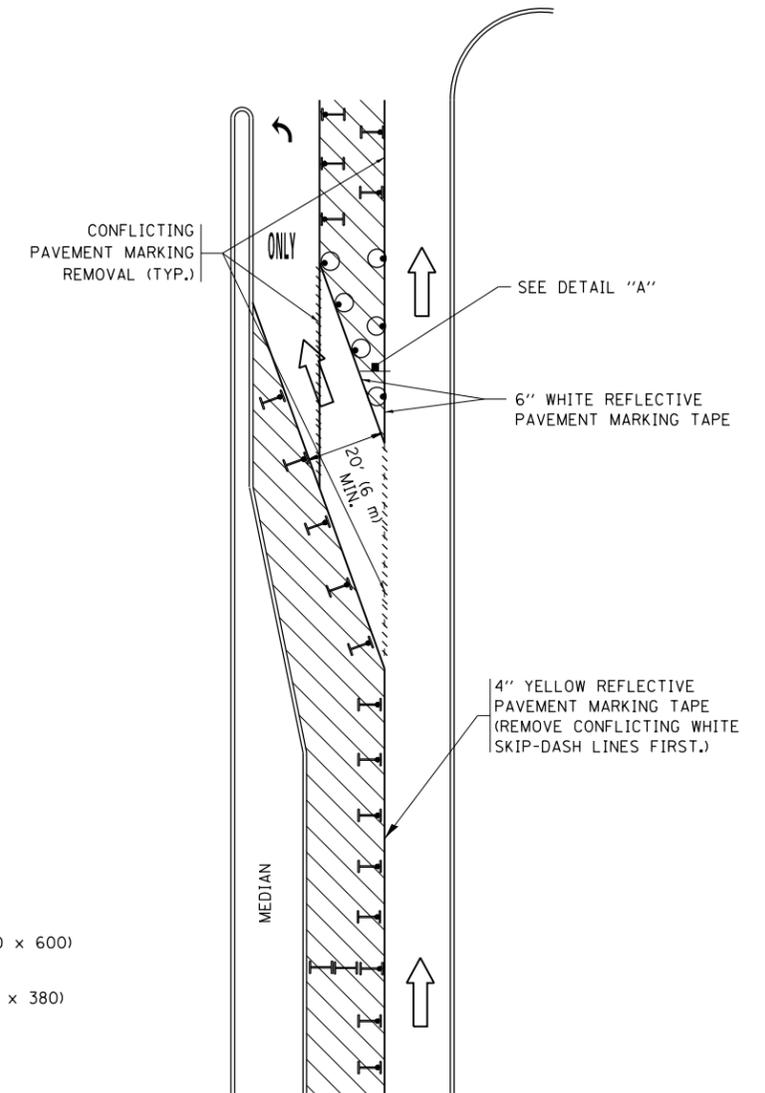
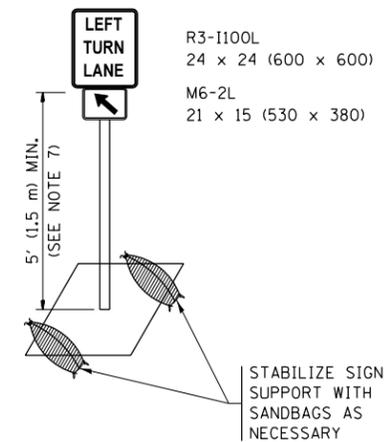


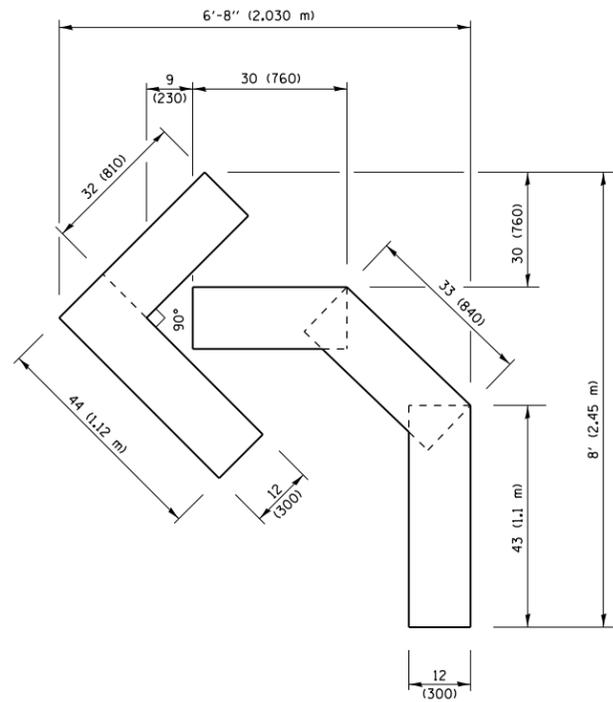
FIGURE 2



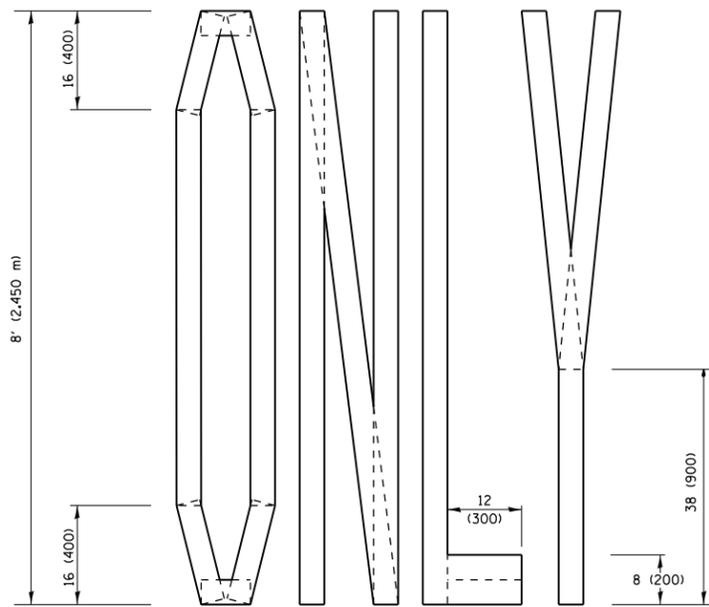
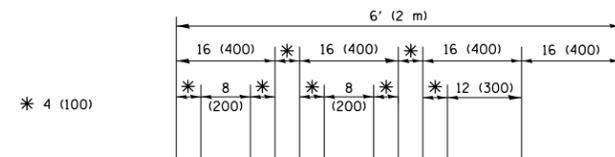
DETAIL A

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

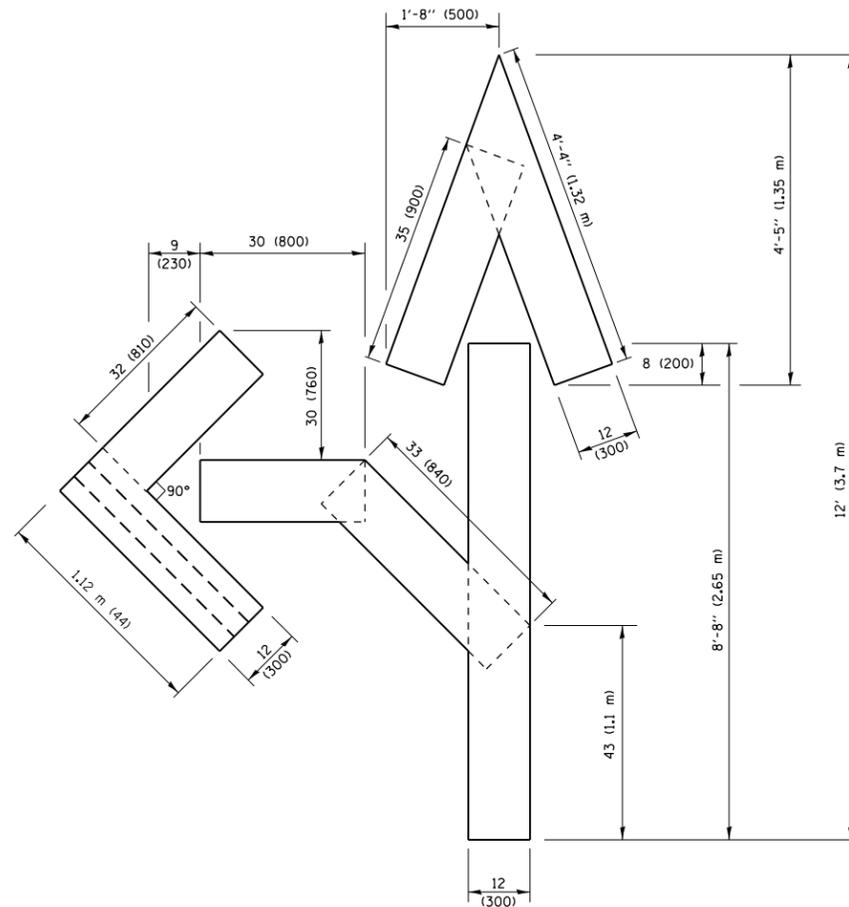
FILE NAME =	USER NAME = Josephm	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\Design\REVISED Design\2019\HOUSEH-1407-09	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 09-15-16			VAR	2019-032-R5	COOK	30	26
PLOT SCALE = 100.0000' / in.	REVISED - T. RAMMACHER 01-06-00	REVISED -	REVISED -			TC-14		CONTRACT NO. 62J10		
Default	PLOT DATE = 4/4/2019					ILLINOIS FED. AID PROJECT				
				SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.		



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)



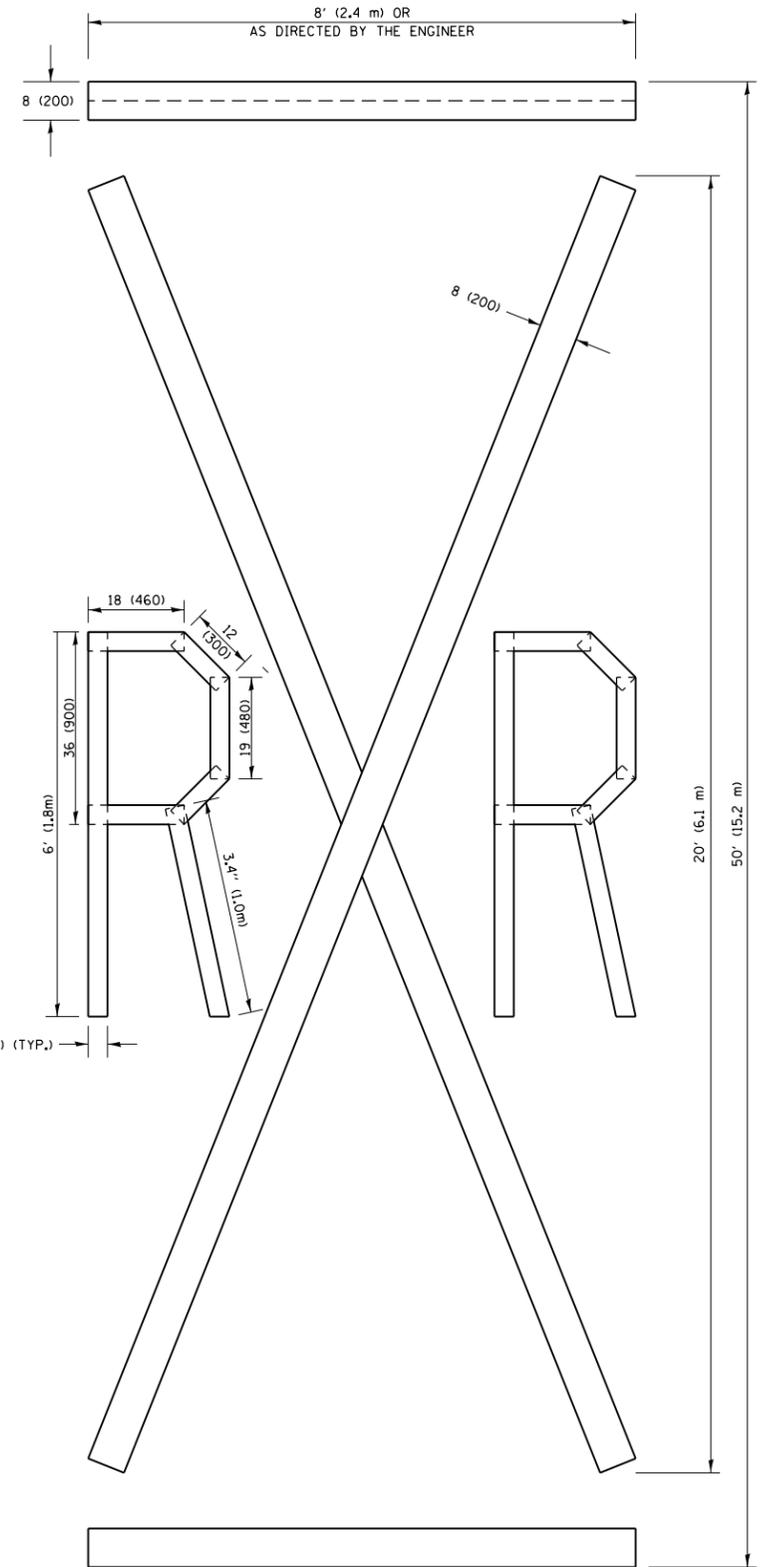
QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

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

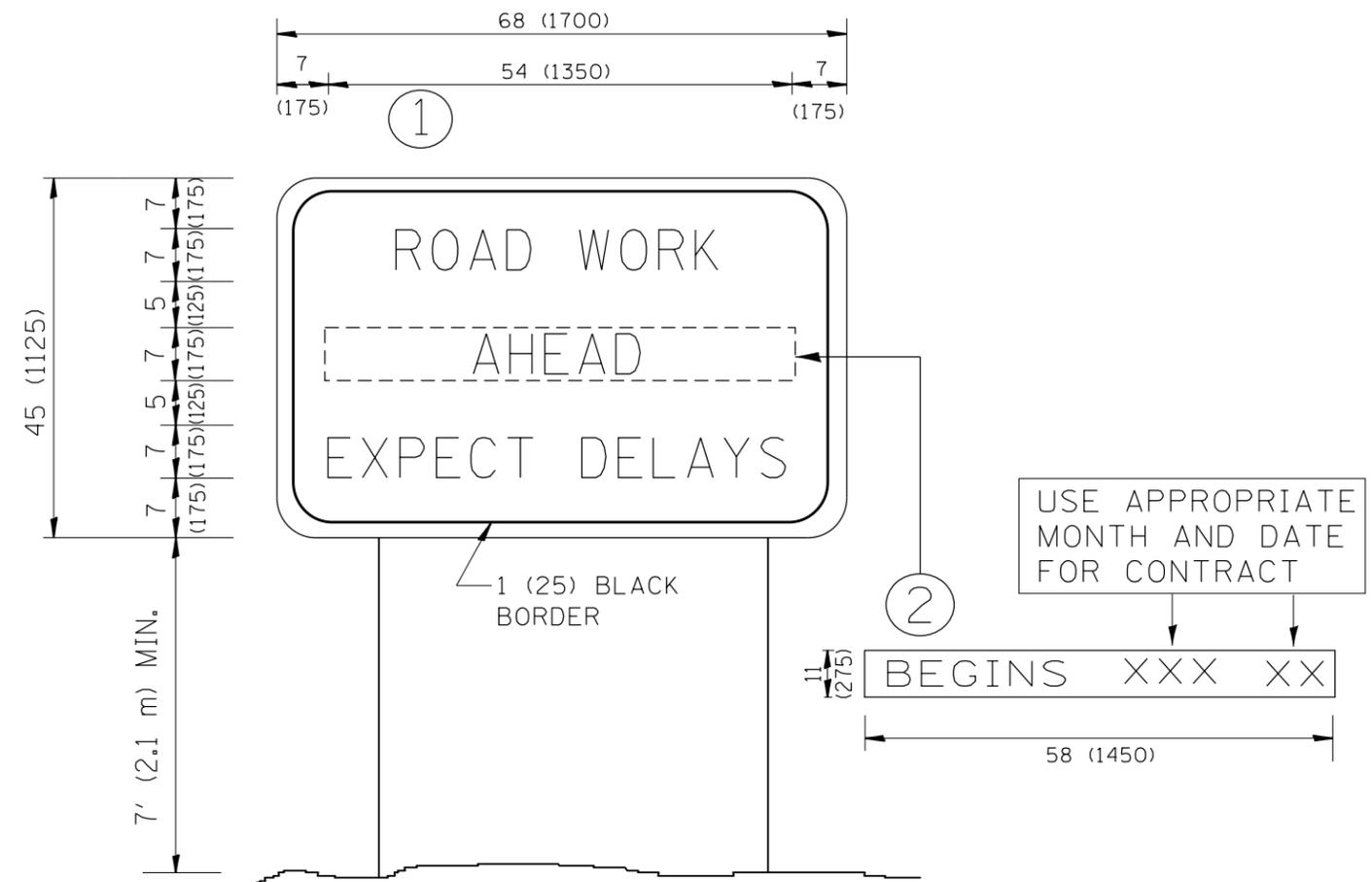
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PLOT SCALE = 100.0010' / in.		DATE -	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 4/4/2019			

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2019-032-RS	COOK	30	27
TC-16		CONTRACT NO. 62110		
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 = Josephm	DESIGNED -	REVISED - R. MIRS 09-15-97
pw\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\Design\Drawn\Design\2019\Patching\HMA\HMA-Arterial\Cook\Cook\12-11-97	DRAWN	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT SCALE = 100.0000' / in.	DATE -	REVISED - C. JUCIUS 01-31-07
	PLOT DATE = 4/4/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

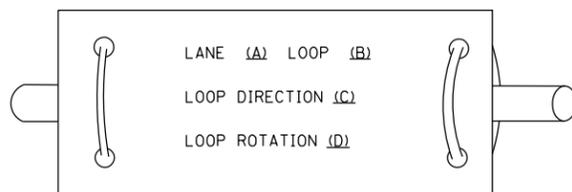
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2019-032-R5	COOK	30	28
TC-22		CONTRACT NO. 62J10		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

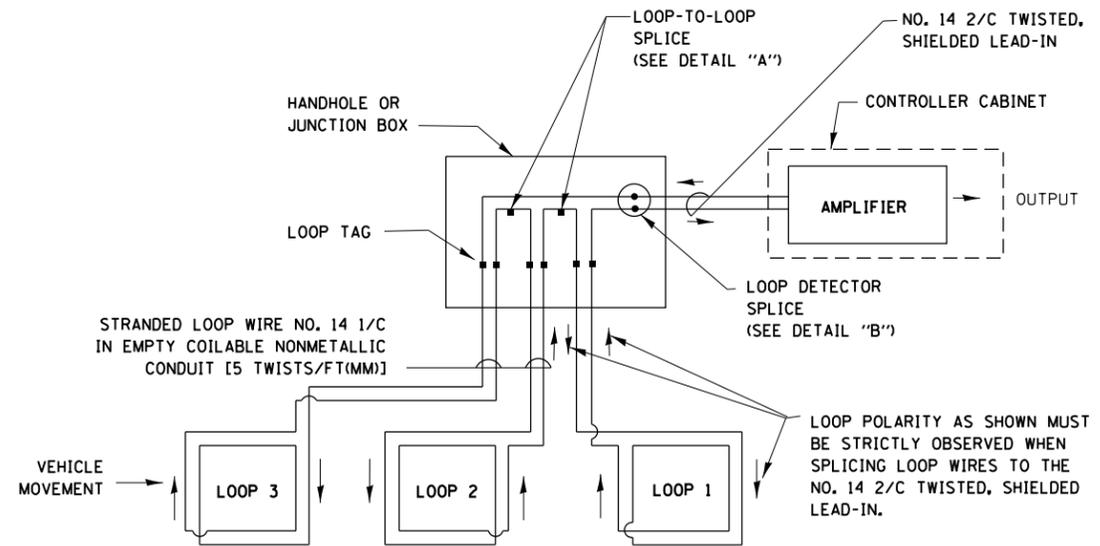
LOOP DETECTOR NOTES

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

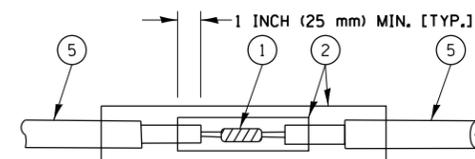


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

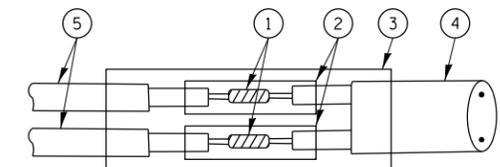


DETECTOR LOOP WIRING SCHEMATIC

- 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.

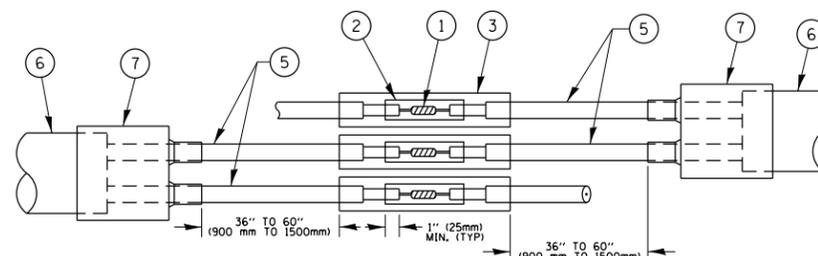


**DETAIL "A"
LOOP-TO-LOOP SPLICE**

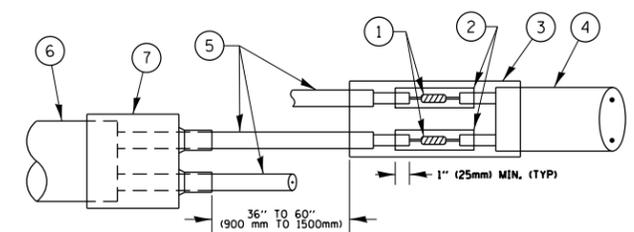


**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

TYPE I LOOP



**DETAIL "A"
LOOP-TO-LOOP SPLICE**



**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

PRE-FORMED LOOP

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 LENGTH 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 =	USER NAME = Josephm	DESIGNED -	REVISED -
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Default	PLOT DATE = 4/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

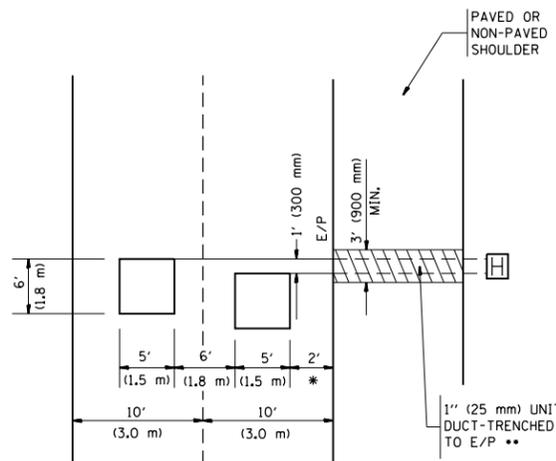
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2019-032-RS	COOK	30	29
TS-05		CONTRACT NO. 62110		
ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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



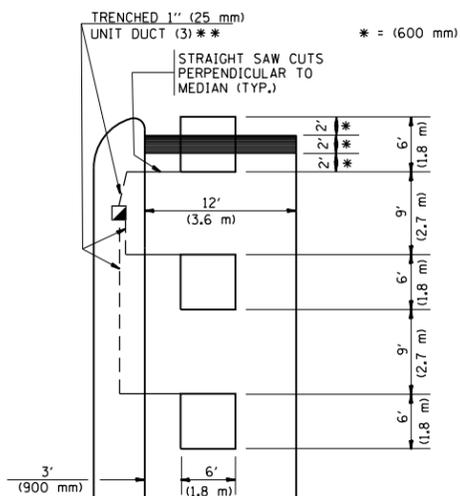
* = (600 mm)

** 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.

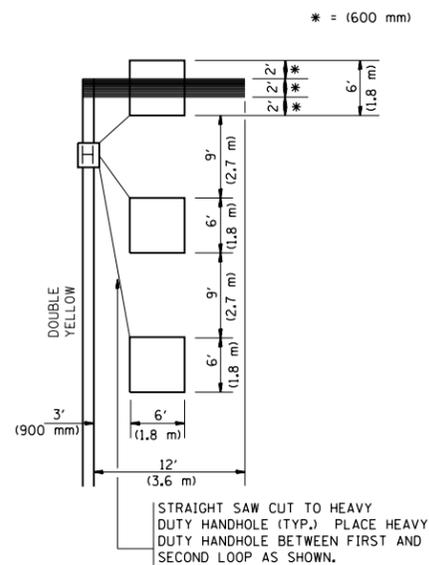


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

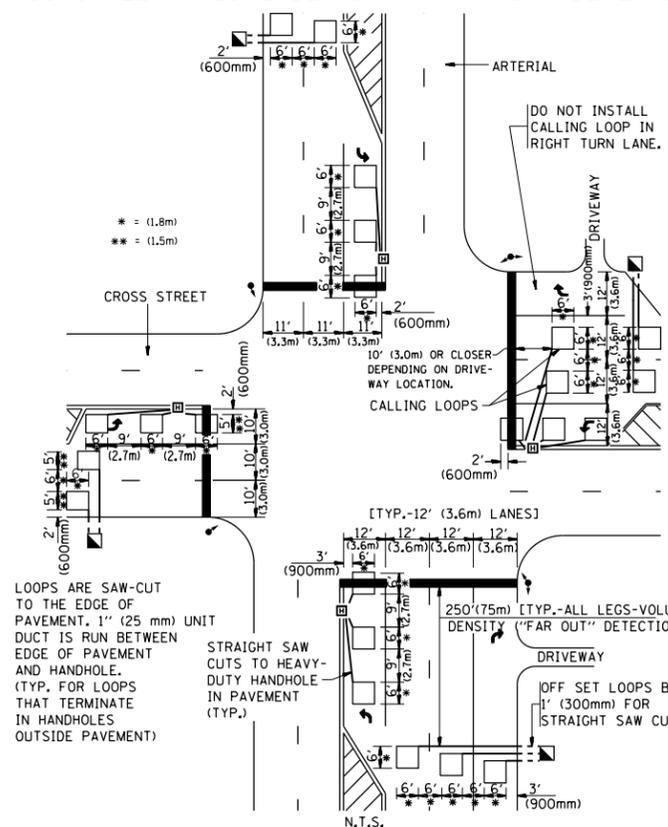
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)



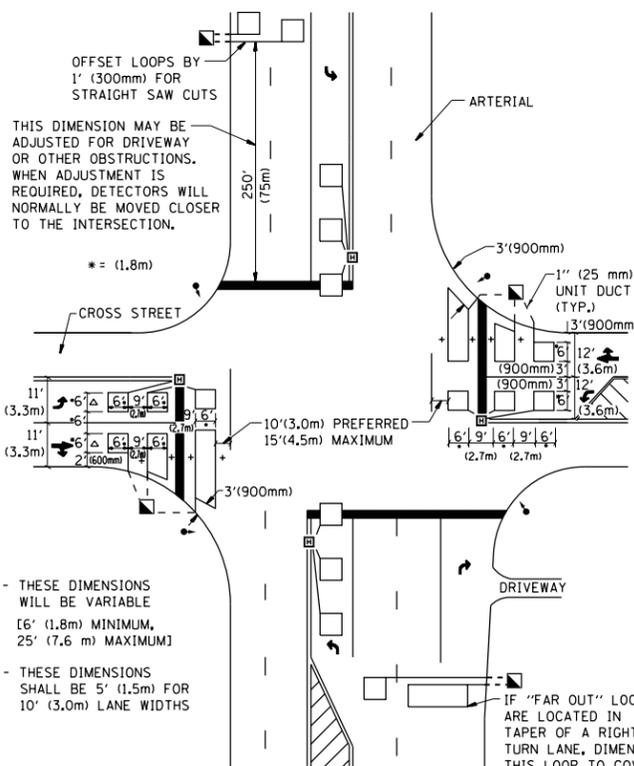
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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.

FILE NAME =	USER NAME = Josephm	DESIGNED -	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING	F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\Design\DRAWN\Design\2019\Patching\HMA\HMA-REVISED\Cook-DistStd.dgn	CHECKED - R.K.F.	REVISIONS -	VAR			2019-032-RS	COOK	30	30	
PLOT SCALE = 100.0000' / 1"	DATE -	REVISIONS -	TS-07			CONTRACT NO. 62J10				
PLOT DATE = 4/4/2019	DATE -	REVISIONS -	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	