ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER	
VARIOUS	2011-014-RS	COOK	23	1	ĺ

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

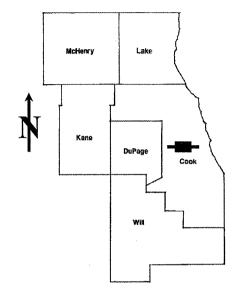
FOR INDEX OF SHEETS SEE SHEET 2

VARIOUS ROUTES SECTION: 2011-014-RS VARIOUS LOCATIONS IN CENTRAL COOK COUNTY INTERMITTENT PAVEMENT RESURFACING **COOK COUNTY** C-91-445-11

CONTRACT NO. 60P03

CONTRACT NO. 60P03

D-91-445-11



LOCATION OF IMPROVEMENT INDICATED THUS: -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS**

DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

SUBMITTED: APRIL 6

acting ENGINEER OF

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

J.U.L.I.E.: JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION (312) 744-7000

Form date: 5/05/2003

INDEX OF SHEETS

STATE STANDARDS

SHEET NO.	DESCRIPTION	STANDARD NO.	<u>DESCRIPTION</u>
1	TITLE SHEET	000001-06	TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES	701011 - 02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
3	SUMMARY OF QUANTITIES	701301 -04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
4	GENERAL LOCATION MAP	701306 <i>~03</i>	LANE CLOSURE, 2L. 2W. SLOW MOVING OPERATIONS - DAY ONLY
5	SUMMARY OF PATCHING SCHEDULE	-	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
6-10	PATCHING SCHEDULE	701336 <i>* 06</i>	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES
11	BUTT JOINT AND HMA TAPER DETAILS (BD-32)	,	
12	FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)	701400 - 05	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
13	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS,	701401 - 06	LANE CLOSURE, FREEWAY/EXPRESSWAY
	INTERSECTIONS AND DRIVEWAYS (TC-10)	701411-07	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP
14	TYPICAL APPLICATIONS: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)	701421 - 03	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
15-16	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS (TC-12)	701426 - 04	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING
17	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)	101426-04	OPERATIONS
18	TRAFFIC CONTROL AND PROTECTION OF TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)	701427	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS $\mbox{\Large \ensuremath{\not \leq}}$ 40 MPH
19	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)	701446 - <i>0</i> 2	TWO LANE CLOSURE FREEWAY/EXPRESSWAY
20	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)	701502 <i>- 04</i>	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
21	ARTERIAL ROAD INFORMATION SIGN (TC-22)	701601 - <i>0</i> 7	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
22	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05, SHEET 1 OF 6)	701602 <i>-05</i>	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL
23	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING (TS-07)		LEFT TURN LANE
		701606 - 07	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
		701701- <i>0</i> 7	URBAN LANE CLOSURE, MULTILANE INTERSECTION
		701901 -01	TRAFFIC CONTROL DEVICES

	HOT-MIX ASPHALT MIXTURE REQU	IREMENTS						
	MIXTURE TYPE AIR VOIDS (%)							
ARTERIAL ROUTES	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5MM), 2"	4% @ 70 GYR						
EXPY. ROUTES	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5MM), 2"	4% @ 90 GYR						

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/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 "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES.

(48 HOUR NOTIFICATION REQUIRED)

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE (OR TOLLWAY) PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT (OR ISTHA)

WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE ENGINEER SHALL CONTACT MS. DEBBIE HANLON, AREA TRAFFIC FIELD ENGINEER AT (847) 438-2300 MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

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

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

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

NO PATCHING OR RESURFACING IS TO BE DONE WITHIN FIFTY (50) FEET OF ANY RAILROAD CROSSING WITHOUT OBTAINING THE PROPER RAILROAD PROTECTIVE LIABILITY INSURANCE.

PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKING

THE COST OF TRAFFIC CONTROL AND PROTECTION FOR THE PROJECT (EXCLUDING ALL EXPRESSWAY LOCATIONS) SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED ROAD WORK. TRAFFIC CONTROL AND PROTECTION FOR ALL EXPRESSWAY LOCATIONS SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).

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.

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.

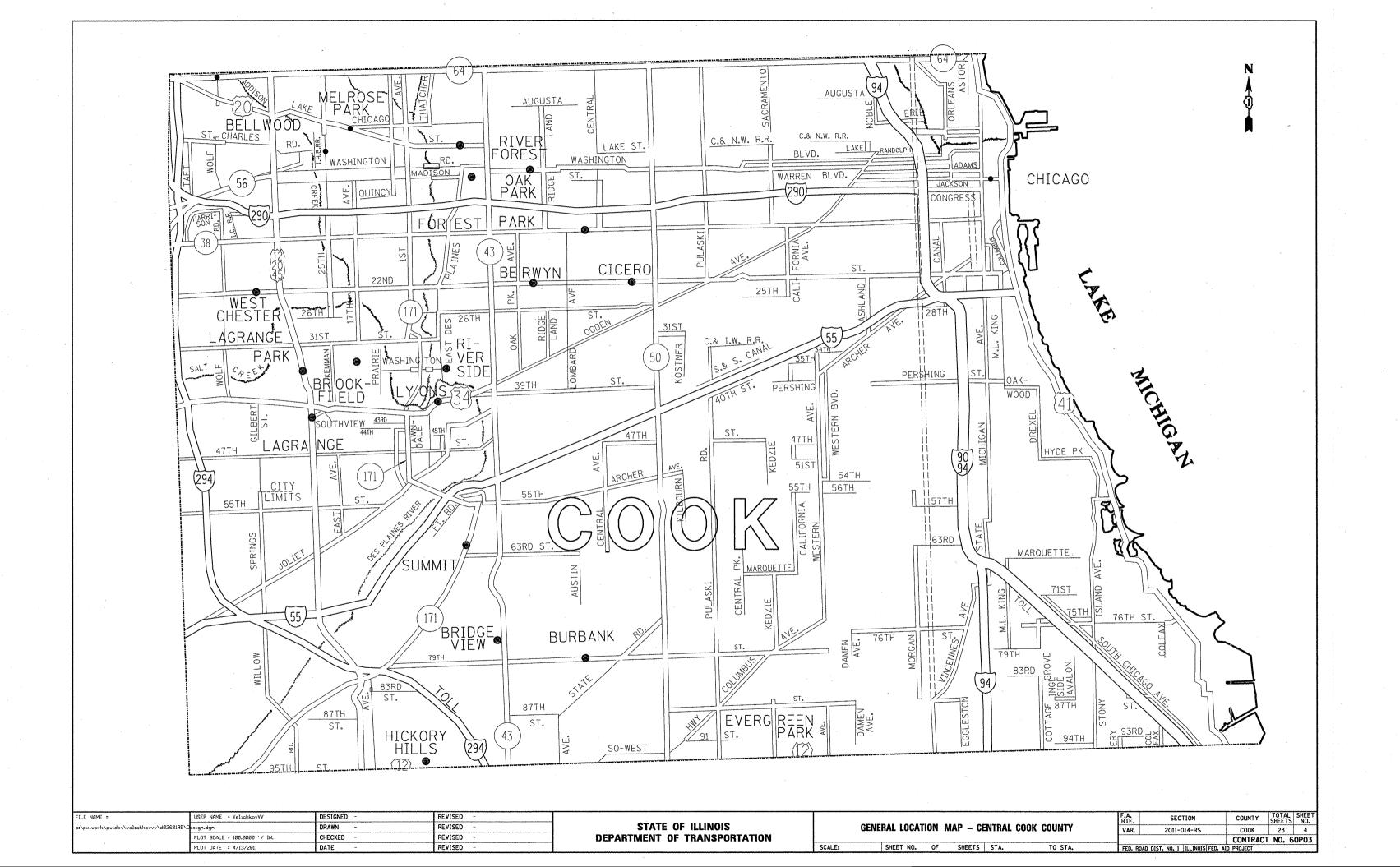
FILE NAME =	USER NAME = VelichkovVV	DESIGNED -	REVISED ~
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1	PLOT SCALE = 100.0000 '/ IN	CHECKED -	REVISED ~
	PLOT DATE = 4/13/2011	DATE -	REVISED ~

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE:

						F.A. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
INDEX OF	SHEETS, ST	AIL	STANDAR	DS AND	GENERAL NOTES	VAR.	2011-014-RS	СООК	23	2
	***************************************							CONTRACT	NO. 6	50P03
C.	CHEET NO	ΛE	CHEETE	CTA	AT2 OT	550	SALE DIET NO 1 THE INDICATE	ATO DOO IFCT		

	SUMMARY OF QUANTITIES		URBAN 1001- STATE		CONSTR	UCTION TYP	PE CODE			SUMI	MARY OF QUAN	NTITIES				C	ONSTRUCT	ION TYPE (ODE	
CODE NO	· · · · · · · · · · · · · · · · · · ·	, ikit T	TOTAL OUANTITIES						CODE NO		, ?TF44		11617 T	TOTAL						
CODE NO	ITEM	UNIT	CONTITIES	0005					CODE NO		ITEM		UNIT	QUANTITIES						
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	6	6							······									1
40600300	AGGREGATE (PRIME COAT)	TON	28	28						,	,									
40600400	MIXTURE FOR CRACKS. JOINTS. AND FLANGEWAYS	TON	43	43															÷	
40600895	CONSTRUCTING TEST STRIP	EACH	1	1						·										
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	426	426											·					
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1235	1235		, ,														
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	269	269																
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	13435	13 435																
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6																
67100100	MOBILIZATION	L SUM	. 1	1				*									*			
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	1	1																
70300100	SHORT TERM PAVEMENT MARKING	FOOT	789	789																
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	263	263																
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	166	166						·										
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8678	8678																
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	600	600																
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	20	20																
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	48	48										ì						
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	75	75																
78100100 78300200	RAISED REFLECTIVE PAVEMENT MARKER RAISED REFLECTIVE PAVEMENT MARKER	EACH	318 318	318														-		
88600600	REMOVAL DETECTOR LOOP REPLACEMENT	FOOT	248	248																
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1																
20026346	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1																
20030850	TEMPORARY INFORMATION SIGNING	SO FT	720	720																
1	INDUCTION LOOP	FOOT	100	100																
1	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.184/C TWISTED, SHIELDED	F007	300							,										
	* SPECIALTY ITEM																			
FILE NAME =	USER NAME = VelichkoWV DI	ESIGNED -		REVISED							T					F.A. RTE.	SEC	TION	COUNTY	Res TOTAL S SHEETS
c:\pw_work\pwidot\vella		RAWN - HECKED -		REVISED -	-		DEDVD		F ILLINOIS TRANSPORTA	TION		SUMMARY	OF QUANT	TTIES		VAR.	ļ	014-RS	COOK	23
		ATE -		REVISED			DEFAN	HAILIAI OI	INANSF UNIA		SCALE:	SHEET NO. OF	SHEETS STA	١.	TO STA.	FED. F	ROAD DIST. NO. 1	ILLINOIS FED. AIR	CONTRACT PROJECT	NO. E



^	HMA 2" MILL
SUMMARY - CENTRAL COOK COUNTY ROUTES	& RESURFACE
	(SY)
25TH AVENUE (GRAND AVE TO NORTH AVE)	849
79TH STREET (CICERO AVE TO I-294)	800
ARCHER AVENUE (WILLOW SPRINGS RD TO VANNA)	102
CICERO AVENUE (71ST TO 87TH)	1220
FIRST AVENUE (OGDEN TO 47TH ST)	254
FIRST AVENUE CUT-OFF (22ND ST TO FIRST AVE)	397
IL 38 (ROOSEVELT RD) (AUSTIN BLVD TO CICERO AVE)	1314
IL 56 (CALVIN TO MANNHEIM RD)	340
LONG ARM RAMP (SB LAGRANGE RD TO EB 79TH ST TO 88TH AVE)	100
LONG ARM RAMP (SB LAGRANGE RD TO EB ARCHER AVE TO 88TH AVE/CORK)	54
NB LAGRANGE ROAD (ON RAMP TO ARCHER/79TH/I-294 TO I & M CANAL)	338
RAMP (EB EISENHOWER TO NB KENNEDY)	2312
ENTRANCE RAMP (NB LAGRANGE ENTRANCE RAMP TO ARCHER/79TH/I-294 TO 79TH ST)	240
LAGRANGE ROAD (@ SB I-55 ENTRANCE RAMP)	93
IL 171/ARCHER AVE (55TH ST TO 65TH ST)	220
LAGRANGE ROAD (I-55 TO I-294 OVERPASS)	304
STATE ROAD (79TH ST TO CICERO)	220
31ST ST (FRONTAGE ROADS KOSTNER TO RAILROAD)	4278
CENTRAL COOK COUNTY TOTAL =	13435 SY

* EXPRESSWAY LOCATION: USE POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5MM)

I	FILE NAME =	USER NAME = VelichkovVV	DESIGNED -	REVISED - 4/19/2011 VV		SUMMARY OF PATCHING SCHEDULE	F.A. SECTI	ON COUNTY	TOTAL SHEET	
- 1	c:\pw_work\pwidot\velichkovvv\d0260195\D	esign.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS		VAR. 2011-014	4-RS COOK	23 5	
- 1	~	PLOT SCALE = 100.0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	CENTRAL COOK COUNTY		CONTRA	CT NO. 60PO3	
- 1		PLOT DATE = 4/19/2011	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1 IL	LINOIS FED. AID PROJECT		

ROUTE: 25th Ave (Grand Ave to North Ave)

CROSS	STREETS	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
1		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
Grand Ave	North Ave	NB	1	12	10	120	13
		NB	1	12	10	120	13
		NB	1	12	10	120	13
· .		NB	1	12	20	240	27
		NB	1	2	500	1000	111
		NB	2	12	15	180	20
		NB	2	12	10	120	13
		NB	2	12	10	120	13
	,	NB	2	12	10	120	13
		NB	-1	12	10	120	13
		NB	2	6	50	300	33
		NB	2	4	50	200	22
		NB	2	12	50	600	67
,		NB	1	12	10	120	13
		NB	1	12	10	120	13
		NB	2	12	10	120	13
		NB	2	12	10	120	13
,		NB	2	12	15	180	20
		NB	1	12	20	240	27
		NB	2	4	200	800	89
		NB	2	12	50	600	67
		SB	1	12	10	120	13
		SB	1	12	10	120	13
		SB	2	12	15	180	20
		SB	2	12	30	360	40
		SB	1	12	10	120	13
		SB	2	2	300	600	67
		SB	2	12	10	120	13
**************************************		SB	1	12	20	240	27
		SB	2	12	10	120	13

TOTALS: 1495 849
FT SY

ROUTE: 79th (Cicero Ave to I-294)

CROSS	STREETS	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPA1
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ Y
Laramie	Latrobe	WB	2	6	200	1200	133
Major	Menard	WB	2	12	10	120	13
		WB	1	12	5	60	7
		WB	1	12	10	120	13
Austin	Narragansett	WB	2	6	100	600	67
Narragansett	Neenah	WB	1	12	5	60	7
78th Ave	Roberts	WB	1	12	5	. 60	7
		WB	2	12	15	180	20
Roberts	88th Ave	WB	2	12	20	240	27
		WB	1	12	5	60	7
	•	WB	2	12	5	60	7
		WB	2	12	10	120	13
		WB	1	12	10	120	13
		WB	2	12	10	120	13
		WB	2	12	25	300	33
		WB	2	12	10	120	13
		WB	2	12	15	180	20
88th Ave	1294	WB	2	12	10	120	13
		WB	1	12	25	300	33
**************************************		WB	2	12	15	180	20
		WB	2	12	5	60	7
		WB	2	12	10	120	13
1294	88th Ave	EB	2	12	10	120	13
***************************************		EB	1	12	10	120	13
	-	EB	2	12	5	60	7
		EB	2	12	10	120	13
		EB	1	12	5	60	7
	<u> </u>	EB	2	12	5	60	7
88th Ave	Roberts	EB	2	12	10	120	13
0keto	Harlem	EB	1	12	10	120	13
		EB	2	12	. 10	120	13
Harlem	Sayre	EB	1	12	15	180	20
		EB	2	12	10	120	13
Sayre	0ak Park	EB	1	12	15	180	20
		EB	2	12	5	60	7
	***************************************	EB	2	12	20	240	27
		EB	2	12	10	120	13
Austin	Central	EB	2	6	100	600	67
,	·	EB	2	6	50	300	33

TOTALS: 825 800 FT SY

FILE NAME =	USER NAME = VelichkovVV	DESIGNED ~	REVISED - 4/19/2011 VV
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	PLOT SCALE = 100.0000 '/ IN.	CHECKED ~	REVISED -
•	PLOT DATE = 4/19/2011	DATE ~	BEVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

 PATCHING SCHEDULE
 F.A. RTE.

 25TH AVE & 79TH ST
 VAR.

 SHEET NO. OF SHEETS STA. TO STA. FED. ROZ
 FED. ROZ

.A. SECTION COUNTY TOTAL SHEET NO.
VAR. 2011-014-RS COOK 23 6
CONTRACT NO. 60PO3
FED. ROAD DIST. NO. 1 | ILLINOIS| FED. AID PROJECT

ROUTE: Archer Ave (Willow Springs Rd to Vanna)

CROSSS	TREETS	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)
Willow Springs	Vanna	WB	1	14	10	140	16
		WB	1	14	5	70	8
		WB	1	14	10	140	16
		WB	1	14	10	140	16
		EB	1	14	5	70	8
		EB	1	14	5	70	8
		EB	1	14	10	140	16
		EB	1	14	10	140	16

TOTALS: 65 102 FT SY

ROUTE:Cicero Ave (71st to 87th)

CROS	SSSTREETS	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
	· ·	(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
		SB	1	12	10	120	13
		SB	2	12	10	-120	13
		SB	3	12	10	120	13
		SB	1	12	10	120	13
		SB	3	12	20	240	27
		SB	2	12	50	600	67
		SB	1	12	10	120	13
·		SB	2	12	20	240	27
		SB	1	12	15	180	· 20
		SB	1	12	5	60	7
1		SB	2	12	15	180	20
		SB	2	12	100	1200	133
		SB	2	12	25	300	33
		SB	1	12	10	120	13
		SB	3	12	10	120	13
		SB	1	12	5	60	7
		SB	1	12	10	120	13
		SB	2	12	30	360	40
		SB	1	12	10	120	13
		SB	1	12	15	180	20
**************************************		SB	1	12	15	180	20
		SB	1	12	15	180	20
		SB	2	12	40	480	53
		SB	2	12	50	600	67
		SB	1	12	5	60	7
		SB	1	12	5	60	7
		SB	2	12	10	120	13
		SB	2	12	100	1200	133
		NB	2	12	10	120	13
		NB	1	12	5	60	7
		NB	2	12	20	240	27
		NB	2	12	5	60	7
		NB	1	12	5	60	7
		NB	2	12	10	120	13
		NB	2	12	25	300	33

ROUTE: Cicero Ave (71st to 87th)

CROSS	STREETS	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	1	12	15	180	20
		NB	1	12	15	180	20
		NB	1 .	12	5	60	7
		NB	1	12	10	120	13
		NB	3	12	10	120	13
		NB	1	12	10	120	13
		NB	3	12	20	240	27
		NB	1	12	10	120	13
		NB.	2	12	20	240	27
		NB	1	- 12	5	60	7
		NB	1	12	15	180	20
		NB	1	12	20	240	27
		NB	1	12	40	480	53
		NB	1	12	10	120	13

TOTALS: 915 1220 FT SY

ROUTE: First Ave (Ogden to 47th St)

CROSS	STREETS	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SO YD)
·		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	1	12	20	240	27
		SB	2	12	10	120	13
		NB	2	12	10	120	13
		NB	1	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	10	120	13
		NB	2	12	10	120	13
		NB	2	12	10	120	13
		NB	1	12	10	120	13
		NB	2	12	10	120	13

TOTALS: 190 254 FT SY

FILE NAME =	USER NAME = VelichkovVV	DESIGNED -	REVISED -
c:\pw_work\pwidot\velichkovvv\d0260195\D	esign,dgn	DRAWN -	REVISED -
	PLOT SCALE = 100,0000 '/ IN.	CHECKED -	REVISED -
	PLOT DATE = 4/13/2011	DATE -	REVISED -

		PATC	ling :	SCHE	DUL	E		
ARCH	ER	AVE, C	ICERO	AVE	&	FIRST	AVE	
SHEET	NO.	OF	SHE	ETS	STA			TO STA.

ROUTE: First Ave Cut-Off (22nd St to First Ave)

CROSS	STREETS	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)
·	,	EB		14	10	140	16
		EB		14	10	140	16
· ·		EB		14	20	280	31
		EB '		14	15	210	23
	• .	EB		14	10	140	16
		EB		14	15	210	23
		EB		14	20	280	31
		EB		14	20	280	- 31
·		. EB		14	10	140	16
		WB		14	20	280	31
·		WB		14	10	140	16
		WB		14	10	140	16
·		WB		14	15	210	23
		WB		14	20	280	31
		WB		14	15	210	23
	/ '	WB		14	15	210	23
		WB		14	10	140	16
		WB		14	10	140	16

TOTALS:

255 FT

397 SY

ROUTE: IL 38: Roosevelt Rd (Austin Blvd to Cicero Ave)

CROSSS	STREETS	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)
		EB	1	12	100	1200	133
		EB	1	12	15	180	20
		EB	1	12	20	240	27
		EB	1	12	10	120	13
		EB	1	12	15	180	20
		EB	1	12	25	300	33
		EB	1	12	10	120	13
		EB	1	12	75	900	100
		EB	1	12	45	540	60
	,	EB	1	12	75	900	100
·		EB	1	12	10	120	13
		EB	1	12	10	120	13
		EB	1	12	10	120	13
		EB	1	12	20	240	27
		WB	1	12	20	240	27
		WB	1	12	10	120	13
		WB	1	12	5	60	7
		WB	1	12	40	480	53
		WB	1	12	10	120	13
		WB	1	12	35	420	47
· · · · · · · · · · · · · · · · · · ·		WB	1	12	50	600	67
		WB	1	12	50	600	67
		WB	1	12	50	600	67
		WB	1	12	25	300	33
		WB	1 .	12	75	900	100

ROUTE: IL 38: Roosevelt Rd (Austin Bivd to Cicero Ave)

CROSS	CROSSSTREETS		LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SO FT)	(SQ YD)
		WB	1	12	100	1200	133
		WB	1	12	75	900	100
		TOTALS:			985		1314
	•				FT		SY

ROUTE: IL 56 (Calvin to Mannheim Rd)

CROSS	SSTREETS	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	Howard	EB	2	12	15	180	20
		EB	2	12	10	120	13
		EB	1	12	10	120	13
		EB	2	12	15	180	20
		EB	2	12	15	180	20
Howard	Wolf	EB	1	12	5	60	7
		EB	1	12	5	60	7
		EB	1	12	5	60	7
Wolf	Mannheim	EB	1	12	5	60	7
		EB	1	12	5	60	7
		EB ·	1	6	20	120	13
		EB	1	6	20	120	13
Mannheim	Wolf	WB	1	12	15	180	20
Wolf	Howard	WB	1	12	10	120	13
		WB:	1	12	10	120	13
		WB	1	12	10	120	13
` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `		WB	1	12	15	180	20
Howard	Calvin	WB	1	12	10	120	13
			1	12	10	120	13
			2	12	20	240	27
			2	12	15	180	20
			2	12	20	240	27
			1	12	10	120	13

340 SY TOTALS: 275 FT

FILE NAME =	USER NAME = VelichkovVV	DESIGNED -	REVISED
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	PLOT SCALE = 100.0000 '/ IN.	CHECKED -	REVISED -
·	PLOT DATE = 4/13/2011	DATE -	REVISED -

		P/	TCHIN	G SCHE	DULE					
FIRS1	AVE	CUT-C	OFF, IL	38: ROO	SEVELT	RD	&	IL	56	
	4						~~~~			

	2011 011 112	CONTRACT		OP03
₹.	2011-014-RS	соок	23	8
	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

ROUTE: Long Arm Ramp (SB LaGrange Rd to EB 79th St to 88th Ave)

CROSSS	STREETS	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)
		EB	1	12	6	72	8
		EB	2	12	6	72	8
		EB	1	12	6	72	8
		EB	1	12	6	72	8
		EB	2	12	6	72	. 8
		EB	2	12	15	180	20
		EB	2	12	20	240	27
		EB	1	12	10	120	13

TOTALS:

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

CROSS	STREETS	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)
		EB	2	12	5	60	7
	······································	EB	2	12	10	120	13
		EB	2	12	5	60	7
		EB	1	12	10	120	13
		EB	1	12	5	60	7
		EB	2	12	5	60	7

TOTALS:

FT

SY

ROUTE: NB LaGrange Rd (On Ramp to Archer/79th/I-294 to I&M Canal)

CROSS	STREETS	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	. 1	12	10	120	13
		NB	1	12	10	120	13
		NB	1	12	10	120	13
		NB	1	12	20	240	27
		NB	2	2	500	1000	111
		NB	2	12	15	180	20
		NB	3	12	10	120	13
		NB	3	12	10	120	.13
		NB	3	12	10	120	13
		NB	1	12	25	300	33
		NB	2	12	25	300	33
		NB	3	12	25	300	33

TOTALS:

670 FT

SY

338

ROUTE: Ramp (EB Eisenhower to NB Kennedy)

CROSS	STREETS	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	ARÉA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
-		NB	1	24	341	8184	909
		NB	1	24	526	12624	1403

TOTALS:

867 FT

2312 SY

ROUTE: Entrance Ramp (NB LaGrange Entrance Ramp to Archer/79th/I-294 to 79th St)

CROSS	SSTREETS	DIRECTION -	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
		NB		12	10	120	13
		NB		12	20	240	27
		NB		12	20	240	27
		NB		12	5	60	7
		NB		12	5	60	7
		NB		12	10	120	13
		NB		12	50	600	67
	,	NB		12	30	360	40
		NB		12	30	360	40

TOTALS:

180 FT 240

ROUTE: LaGrange Rd (at SB I-55 Entrance Ramp)

CROSS	STREETS	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA .
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
		SB		14	10	140	16
		SB		14	25	350	39
		SB		14	5	70	8
		SB		14	10	140	16
		SB		14	10	140	16

TOTALS:

60

93 SY

DESIGNED -REVISED -FILE NAME = REVISED DRAWN -PLOT SCALE = 100.0000 '/ IN. CHECKED -REVISED -REVISED DATE PLOT DATE = 4/13/2011

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PATCHING SCHEDULE LONG ARM RAMP, NB LAGRANGE RD, ENTRANCE RAMP SHEET NO. OF SHEETS STA.

COUNTY SHEETS NO.
COOK 23 9
CONTRACT NO. 60P03 SECTION 2011-014-RS

ROUTE: IL 171: Archer Ave (55th St to 65th St)

CROSS	STREETS	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)
55†h		EB	L1 L2	6	12	72	8
		EB	L1	6	12	72	8
		EB	L1	6	12	72	8
		EB	L2	10	12	120	13
		EB	L2	6	12	72	8
	•	EB	L1	10	12	120	13
		· EB	L2	6	12	72	8
		EB	L2	10	12	120	13
		WB	L1	6	12	72	8
		WB	L1	6	12	72 -	8
		WB	L2	6	12	72	8
		WB	L2	6	12	72	8
		WB	L2	15	12	180	20
	·	WB	L2	6	12	72	8
		WB	L2	6	12	72	8
		WB	L2	15	12	180	20
		WB	L1	6	12	72	8
		WB	L1	6	. 12	72	8
		WB	L1	15	12	180	20
		WB	L1	6	12	72	8
	57†h	WB	L1	6	12	72	8

TOTALS: 252 220 FT SY

ROUTE:LaGrange Rd (I-55 to I-294 Overpass)

CRO	SSSTREETS	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
		SB	L1 L2 L3	6	12	72	8
		SB	L2	8 -	16	128	14
		SB	L1	6	12	72	8
		SB	L2	8	20	160	18
		SB	L3	6	8	48	5
		SB	L3	6	12	72	8
		SB	L3	6	12	72	8
		SB	L1 L2 L3	6	12	72	8
		SB	L2	8	16	128	14
		SB	L1	6	12	72	8
		SB	L2	8	20	160	18
		SB	L3	6	8	48	5
		SB	L3	6	12	72	8
		SB	L3	6	12	72	8
		NB	L1	8	12	96	11
		NB	L1	8	12	96	11
		NB	L2	6	12	72	8
		NB	L2	6	12	72	8
		NB	L2	6	12	72	8
	·	NB ·	L2	. 8	12	96	11
		NB	L2	8	12	96	11
		NB	L2	8	12	96	11

ROUTE: LaGrange Rd (I-55 to I-294 Overpass)

CROSSS	STREETS	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	L2	8	12	96	11
		NB	L3	6	12	72	8
		NB	L3	8	12	96	11
		NB	L3	6	12	72	8
		NB	L3	8	12	96	11
		NB	L3	8	12	96	11
		NB	L3	6	12	72	8
		NB	L3	8	12	96	11
		NB	L3	8	12	96	11

TOTALS: 388 304 FT SY

ROUTE:State Rd (79th St to Cicero)

CROSS	STREETS	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)
		EB	L1 L2	6	12	72	8
		EB	L1	6	12	72	8
		EB	L1	6	12	72	8
		EB	L2	10	12	120	-13
		EB	L2	6	12	72	8
		EB	L1	10	12	120	13
		EB	L2	6	12	72	8
		EB	L2	10	12	120	13
		WB	Li	6	12	72	8
		WB	L1	6	12	72	8
		WB	L2	6	12	72	8
	~	WB	L2	6	12	72	8
		WB	L2	15	12	180	20
		WB	L2	6	12	72	8
		WB	L2	6	12	72	8
		WB	L2	15	12	180	20
		WB	L1	6	12	72	8
		WB	L1	6	12	72	8
·	. ,	WB	L1	15	12	180	20
		WB	L1	6	12	. 72	8
		WB	L1	6	12	72	8

TOTALS: 252 220 FT SY

ROUTE: 31st St (Frontage Roads Kostner to Railroad)

CROSSSTREETS		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
Turnoround		WB	L1 L2	1750	22	38500	4278

TOTALS:

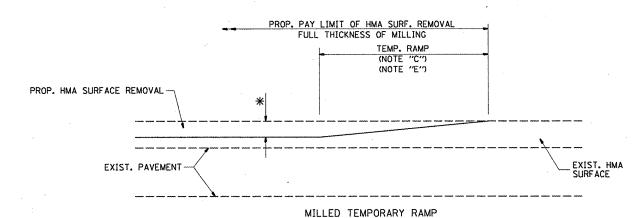
22 FT 4278 SY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PATCHING SCHEDULE

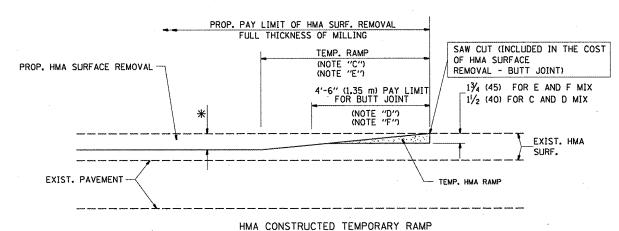
IL 171: ARCHER AVE, LAGRANGE RD, STATE RD & 31ST ST

SHEET NO. OF SHEETS STA. TO STA.



(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

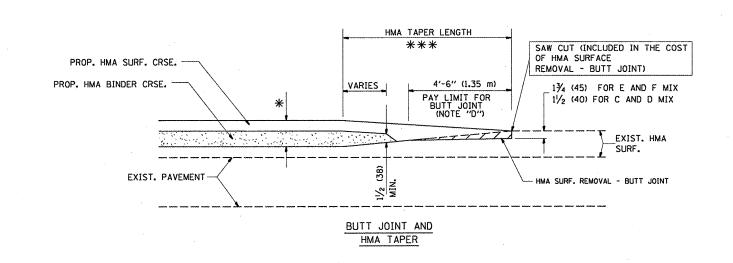
OPTION 1



(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

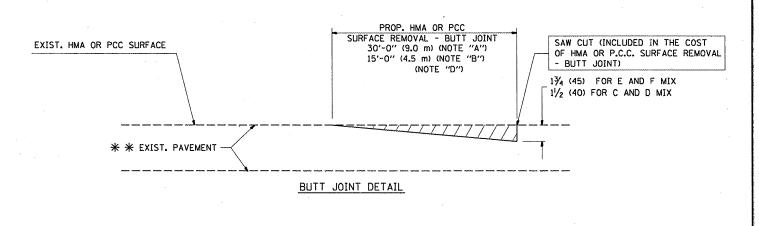
FILE NAME = USER NAME = VolichkovVV DESIGNED - M. DE YONG REVISED - R. SHAH 10-25-94

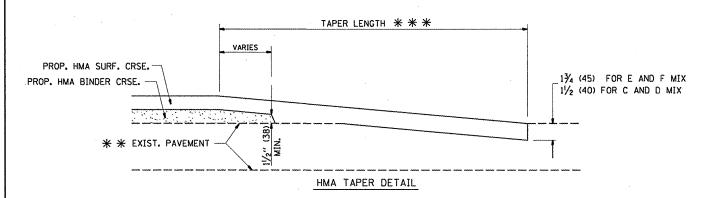
c:\pm_vork\pmidot\velichkovv\\d0266195\DistStd.dgn DRAWN - REVISED - A. ABBAS 03-21-97

PLOT SCALE = 100.0000 '/ In. CHECKED - REVISED - M. GOMEZ 04-06-01

PLOT DATE = 4/13/2011 DATE - 06-13-90 REVISED - R. BORO 01-01-07

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION





TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

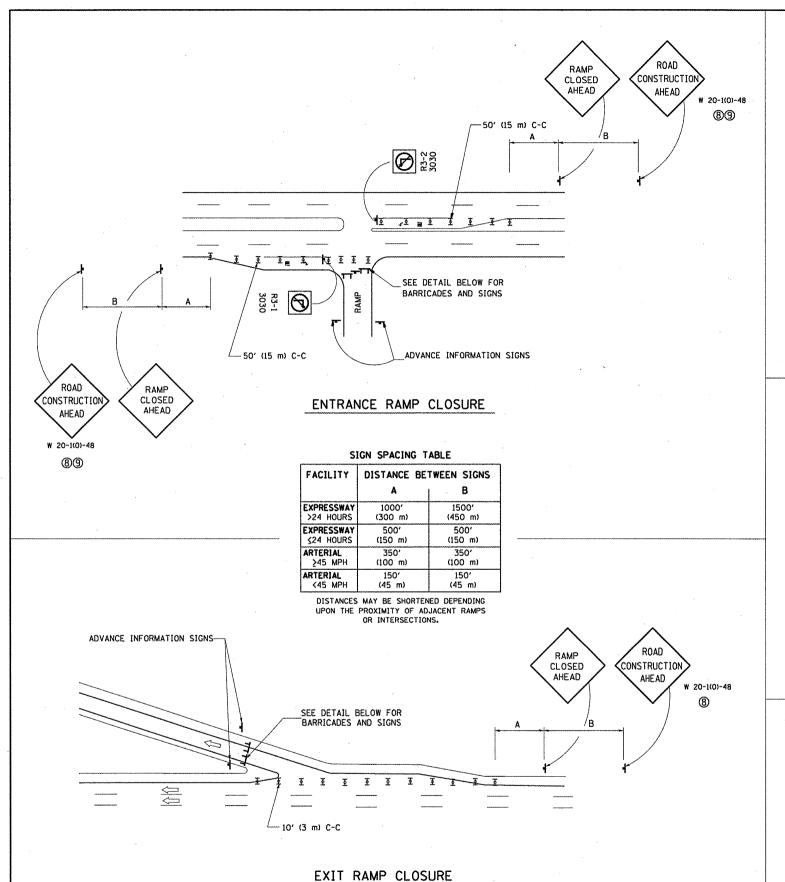
NOTES

- 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.

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".

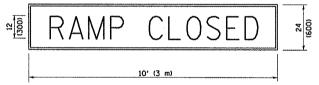
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



THE "RAMP CLOSED" SIGN SHALL BE B/W WITH 8 (200) CAPS. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS TOCKER 350 IS NOT AVAILABLE. THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS. TYPE III BARRICADE 4' (I.2 m) RAMP CLOSED in CLOSED

DETAIL FOR REQUIRED BARRICADES & SIGNS



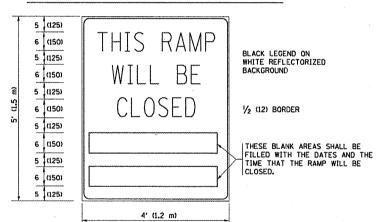


BLACK LEGEND ON ORANGE REFLECTORIZED BACKGROUND

1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR THE CLOSED EXIT RAMPS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



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

GENERAL NOTES:

- O CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE
- ② STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- $\ensuremath{\mathfrak{S}}$ a flagger shall be positioned at each closed ramp that is open to construction vehicles.
- 4 ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
- (5) THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).

SCALE: NONE

- (6) AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- (7) THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY- FOUR 24 HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY FOUR 24 HOURS IN LENGTH.
- (8) ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED ON CLOSURES LESS THAN 24 HOURS IN DURATION.

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

FILE NAME =	USER NAME ≈ VelichkovVV	DESIGNED - DWS	REVISED -	DWS/JAF 12-02
c:\pw_work\pwidot\v@lichkovvv\d0260195\D		DRAWN -	REVISED ~	JAF 02-06
	PLOT SCALE = 100.0000 '/ IN.	CHECKED -	REVISED -	SPB 01-07
	PLOT DATE ≈ 4/13/2011	DATE ~ 02-83	REVISED -	SPB 12-09

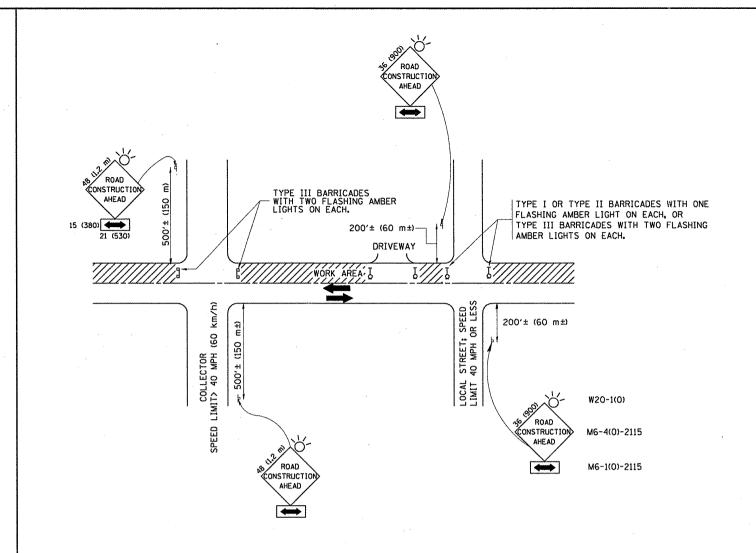
SYMBOLS

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

TYPE III BARRICADE WITH FLASHING LIGHT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS						D EXIT	RAMP	F.A RTE.	SECTION	COUNTY	TOTAL	SHEET NO.	
							AII C		VAR.	2011-014-RS	соок	23	12	
	CLUSURE DETAILS									TC08	CONTRACT	NO.	50P03	
	SHEET	NO.	1	OF	1	SHEETS	STA.	TO STA.	FED. R		ID 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:
- O) 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 POLITE
- 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:
- O) 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).

SCALE: NONE

- 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.

FILE NAME =	USER NAME = VelichkovVV	DESIGNED -	LHA	REVISED	- J	J. OBERLE 10-18-95
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·	PLOT SCALE = 100.0000 '/ IN.	CHECKED -		REVISED	- 1	A. HOUSEH 10-15-96
	PLOT DATE = 4/13/2011	DATE -	06-89	REVISED	-T.	RAMMACHER 01-06-0

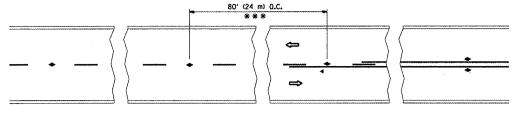
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TR	AFFIC	CONTROL	AND	PROTEC	TION	FOR
SIDE	ROAD	S, INTERSI	CTIO	VS, AND	DRIV	EWAYS

TO STA.

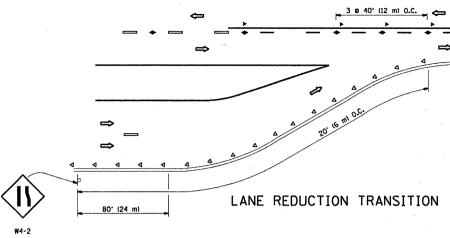
SHEET NO. 1 OF 1 SHEETS STA.

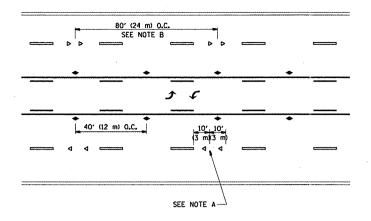
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	VAR,	2011-014-RS	I	COOK	23	13
	F.A RTE.	SECTION		COUNTY	TOTAL	SHEE NO.



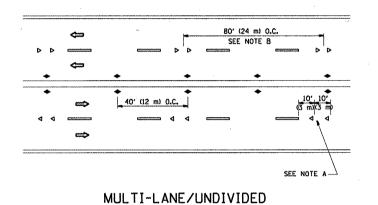
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

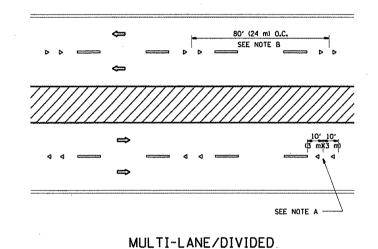
TWO-LANE/TWO-WAY





TWO-WAY LEFT TURN





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.

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.

SYMBOLS

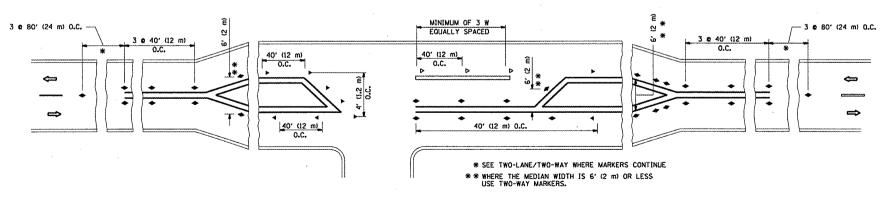
---- YELLOW STRIPE

WHITE STRIPE

- ◆ ONE-WAY AMBER MARKER
- → ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

DESIGN NOTES

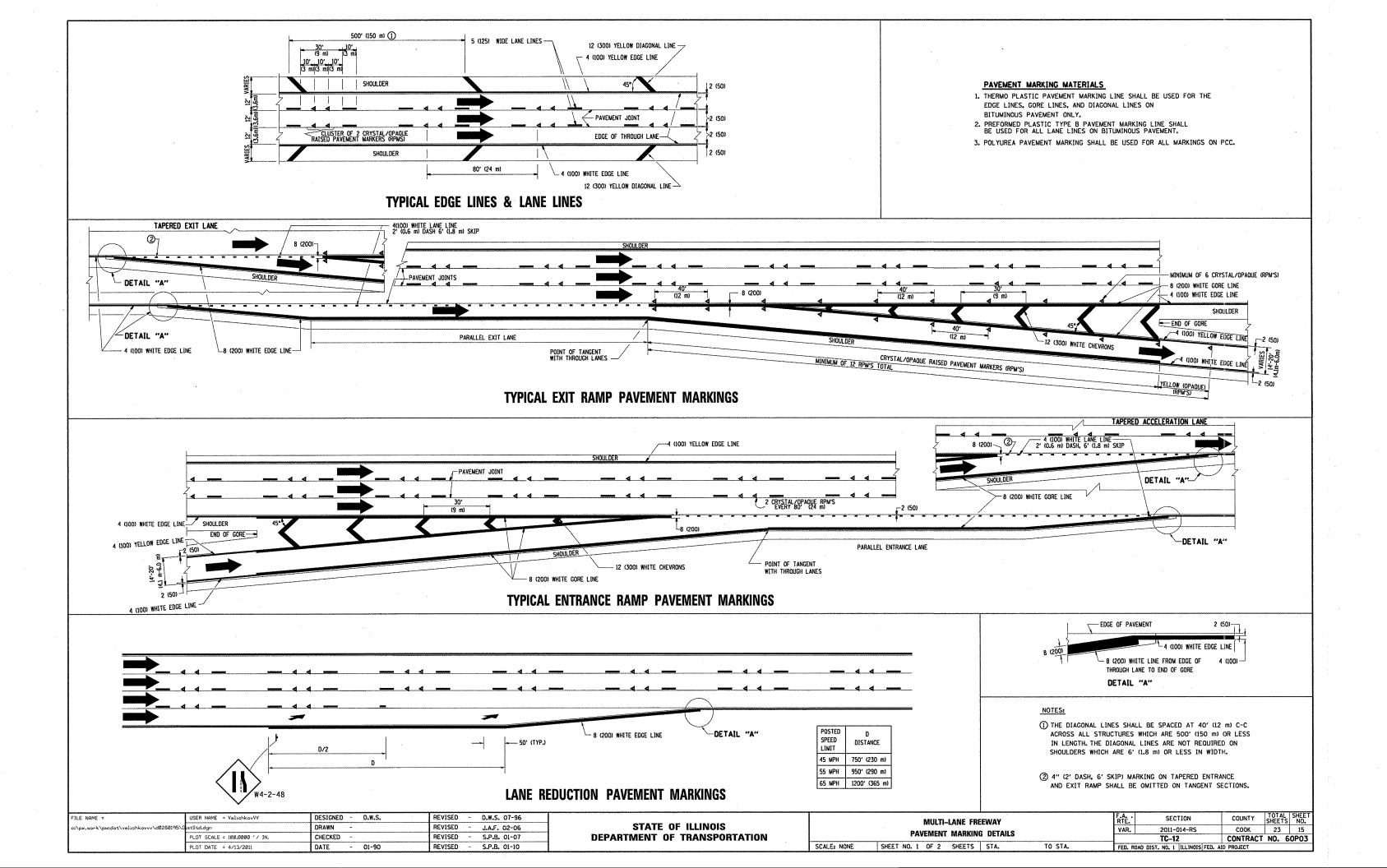
- 1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- 2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT
 RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
- 3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD 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.

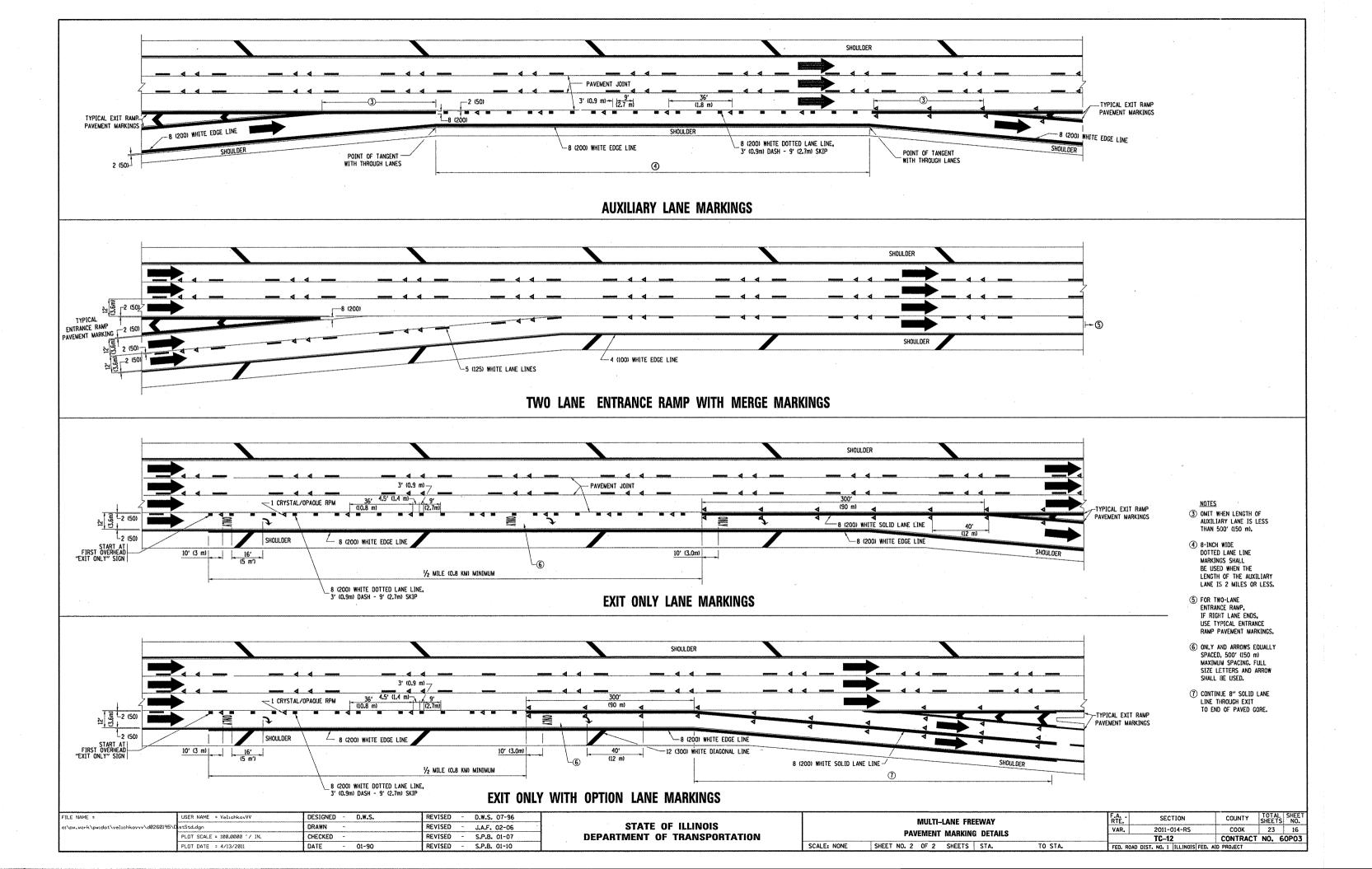


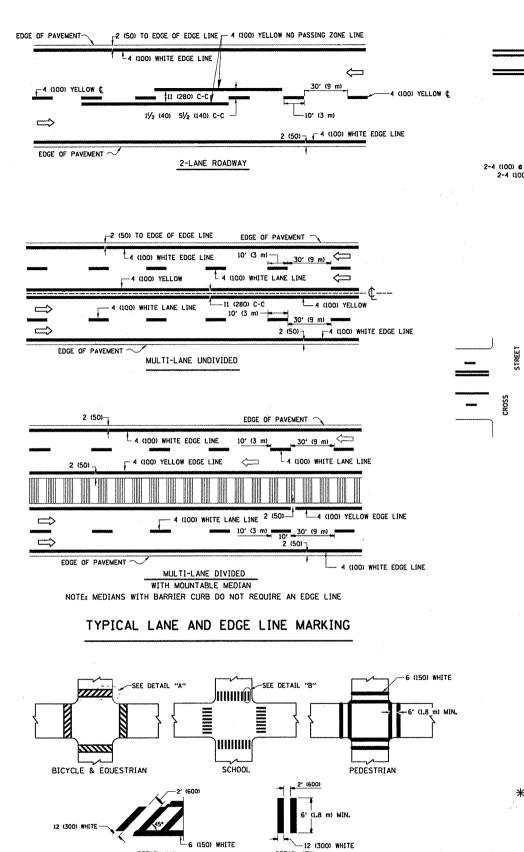
LEFT TURN

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

FILE NAME =	USER NAME = VelichkovVV	DESIGNED -	REVISED -T. RAMMACHER 09-19-94	STATE OF ILLINOIS	TYPICAL APPLICATIONS	F.A	SECTION	COUNTY	TOTAL	SHEET
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	PLOT SCALE ≈ 100.0000 '/ IN.	CHECKED -	REVISED -T. RAMMACHER 01-06-00	DEPARTMENT OF TRANSPORTATION	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)		TC-11	CONTRACT	T NO. 60	PO3
,	PLOT DATE = 4/13/2011	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			

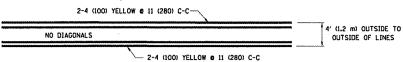




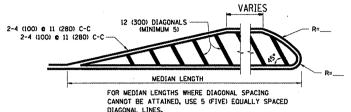


TYPICAL CROSSWALK MARKING

DETAIL "A"

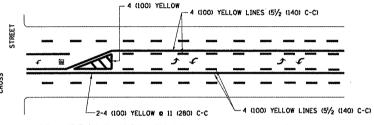


4' (1.2 m) WIDE MEDIANS ONLY



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

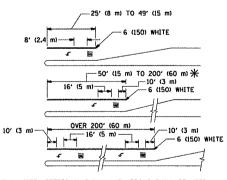


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED. WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

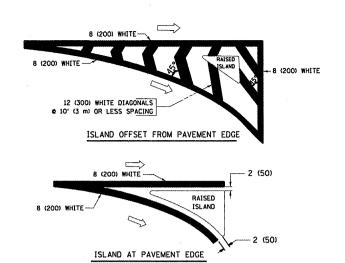
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. \P AREA = 15.6 SO. FT. (1.5 m²) $0\,M_{\odot}^{2}$ AREA = 20.8 SO. FT. (1.9 m²)

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

TYPICAL LEFT (OR RIGHT) TURN LANE



TYPICAL 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 e 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 e 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 1280) 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' (L8 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 0 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW	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 c 6 (150) 12 (300) c 45° 12 (300) c 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 CROSSMALK, 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 0F: "R"=3.6 SO. FT. (0.33 m ²) EACH "X"=54.0 SO. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) e 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.

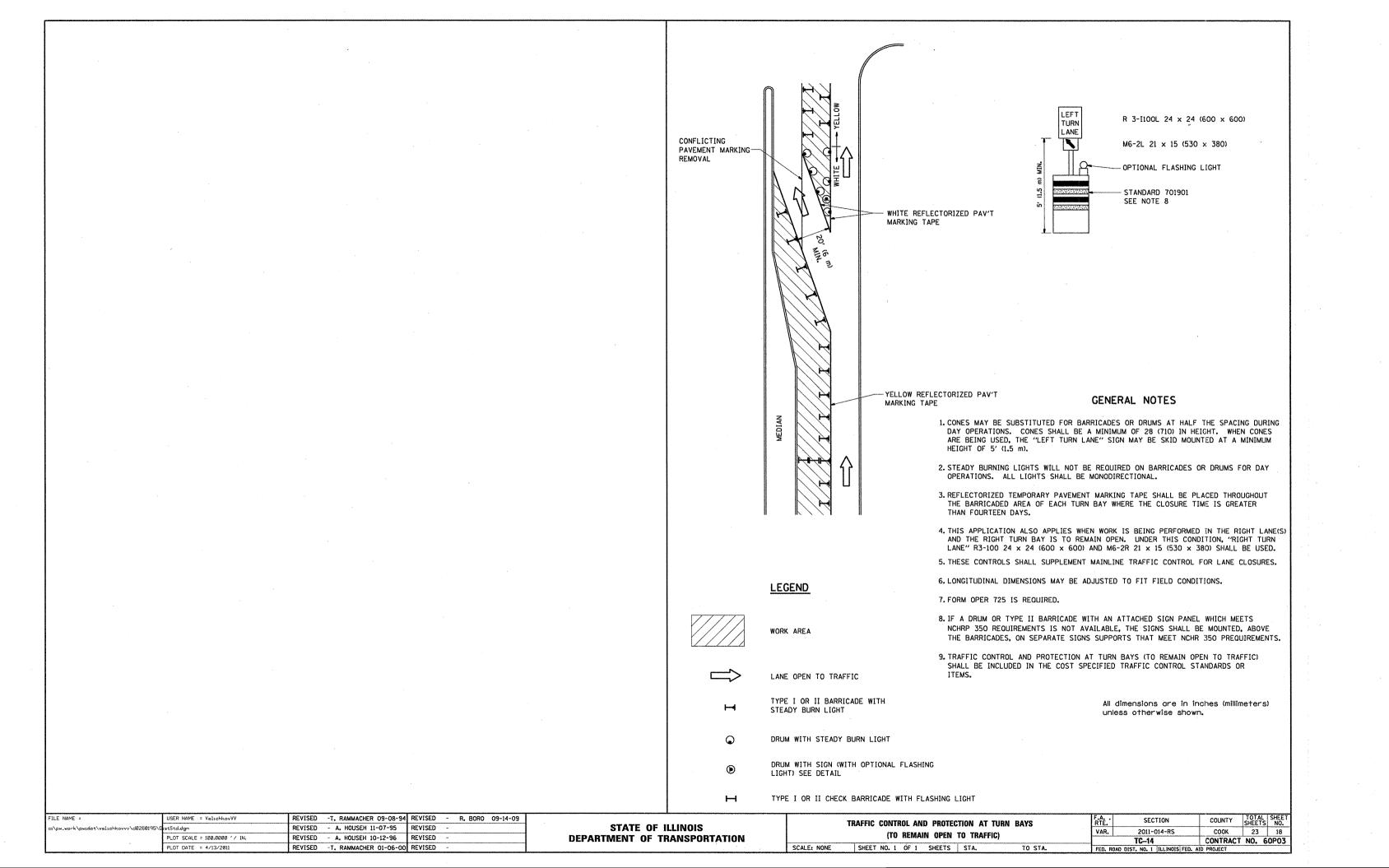
TYPICAL TURN LANE MARKING

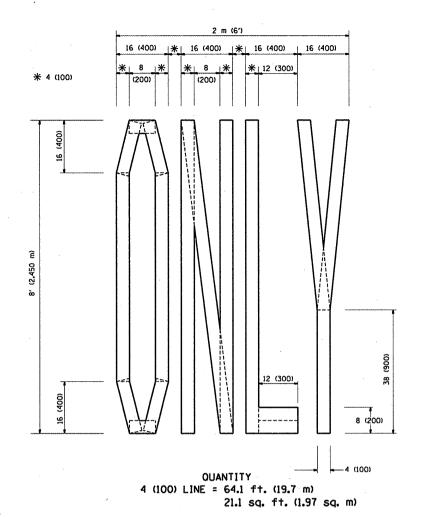
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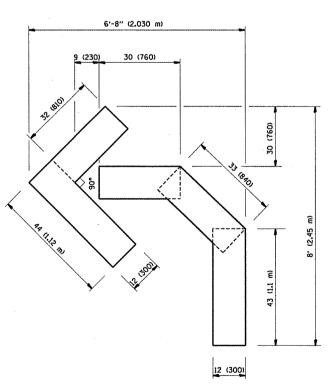
DETAIL "B"

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

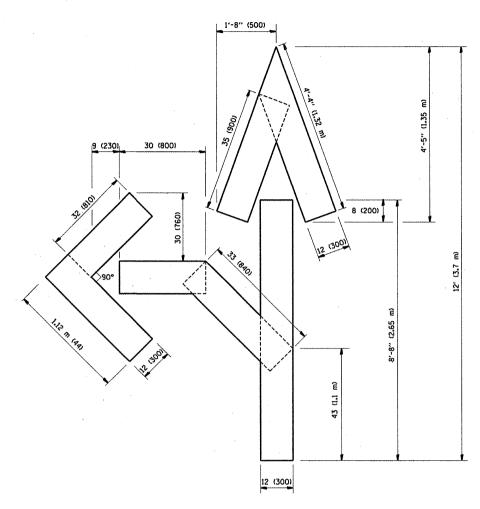
DISTRICT ONE							SECTION	COUNTY	TOTAL	SHEET NO.
	TYPICAL PAVEMENT MARKINGS							COOK	23	17
	1170	UAL PAVE	MEIAI	IMAUVIMOS			TC-13	CONTRACT	NO.	60P03
SCALE: NONE	SHEET NO. 1	OF 1 SH	HEETS	STA.	TO STA.	FED. RO	DAD DIST. NO. 1 ILLINOIS FED. AL	D PROJECT		







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



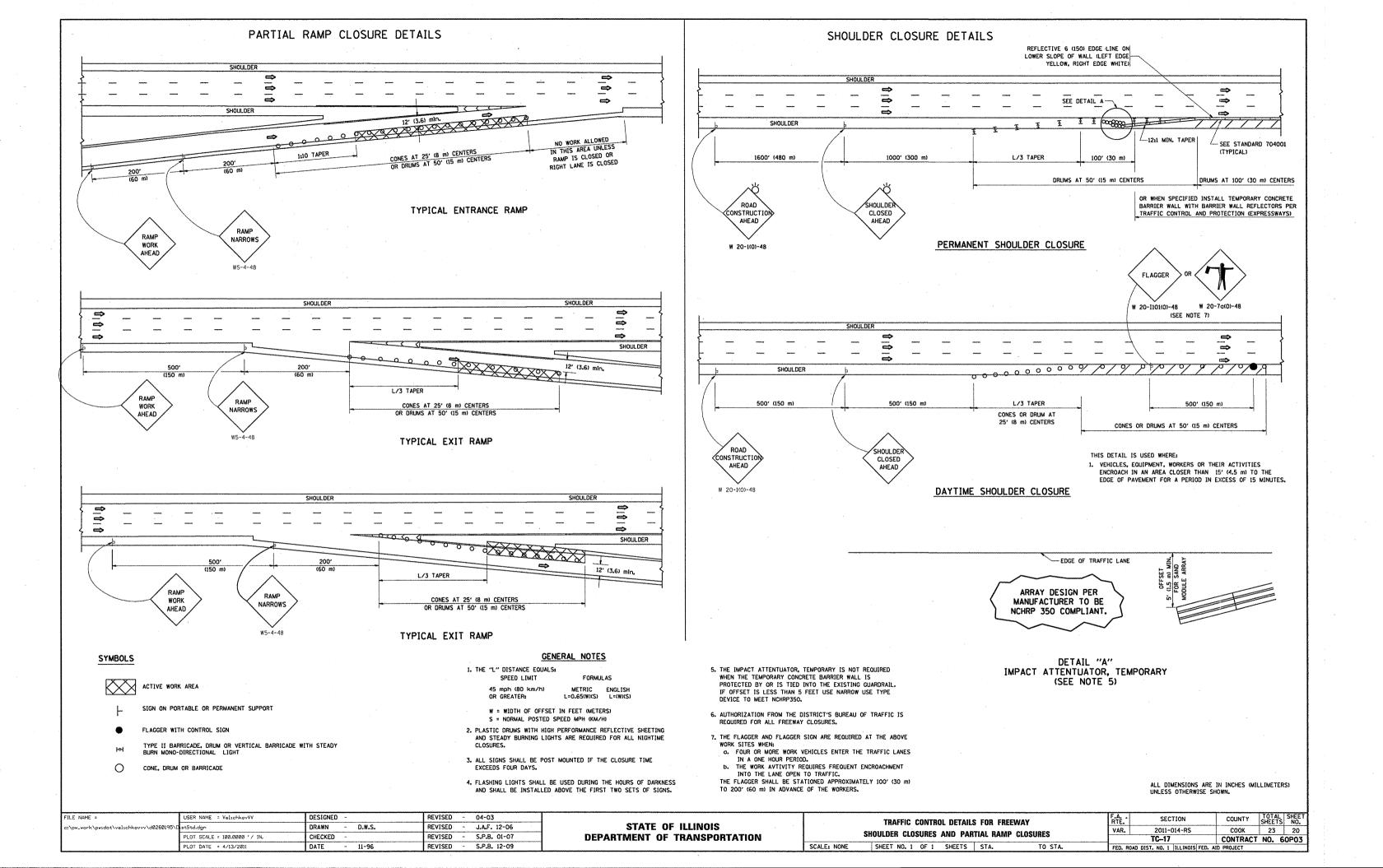
OUANTITY 4 (100) LINE = 82.5 ft. (25.3 m) 27.5 sq. ft. (2.53 sq. m)

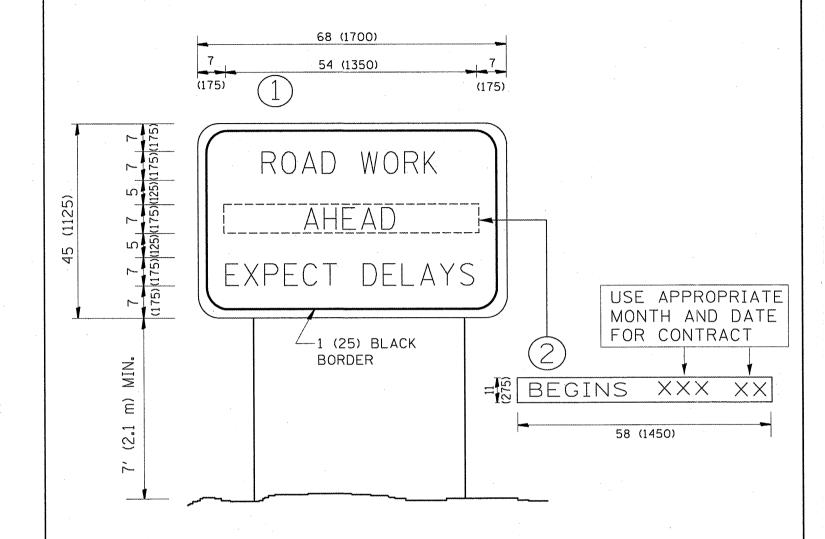
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = VelichkovVV	DESIGNED -	REVISED	-T. RAMMACHER 06-05-96
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	PLOT DATE = 4/13/2011	DATE - 09-18-94	REVISED	-E. GOMEZ 08-28-00

STATI	E OF	ILLINOIS	
DEPARTMENT	OF	TRANSPORTATION	

	PAVEMENT	MARK	ING LETTE	RTE.	SECTION	COUNTY	SHEETS	SHEE NO.		
	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING							COOK	23	19
							TC-16	CONTRACT	NO.	60P0.
SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	FED. R	OAD DIST. NO. 1 ILLINOIS FED. A	D 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.

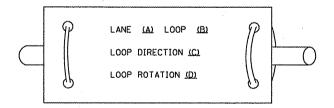
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

ı	FILE NAME =	USER NAME = VelichkovVV	DESIGNED -	REVISED -	R. MIRS 09-15-97			ARTERIAL ROAD	F.A.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
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- 1		PLOT SCALE = 100.0000 '/ IN.	CHECKED -	REVISED -	T. RAMMACHER 02-02-99	DEPARTMENT OF TRANSPORTATION				TC-22	CONTRACT	NO. 60P03
		PLOT DATE = 4/13/2011	DATE -	REVISED -	C. JUCIUS 01-31-07	·	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD	DIST. NO. 1 ILLINOIS FED. AL	D PROJECT	

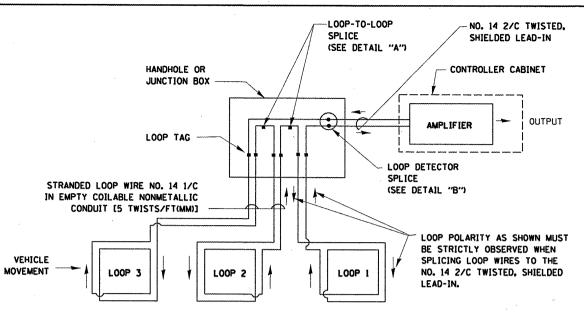
LOOP DETECTOR NOTES

- 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

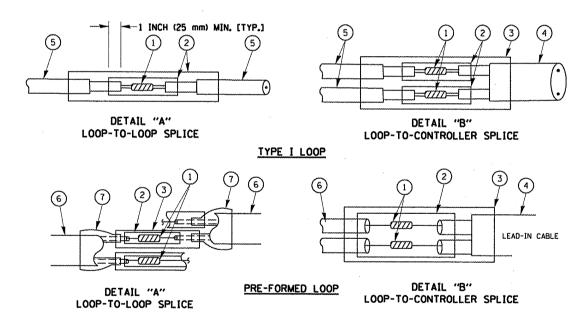


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP "1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



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.



LOOP DETECTOR SPLICE

- $\hfill \hfill \hfill$
- (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
- TXL POLYOLEFIN 2 CONDUCTOR
 BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

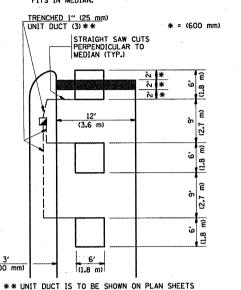
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Į.						TS05	CONTRACT	NO. 6	OP03			
	SCALE: NONE	SHEET	NO. 1	OF 6	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER PAVED OR NON-PAVED SHOULDER 13.8 (1.5 m) (1.8 m) (1.5 m) * 1" (25 mm) LINIT DUCT-TRENCHED (3.0 m)(3.0 m) TO E/P .. * = (600 mm)BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS. NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO * * UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS PLAN SHEET FOR DETECTOR LOOP REPLACEMENT BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH

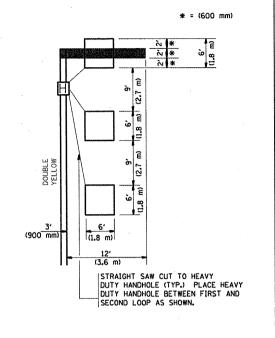
(PROTECTED / PERMITTED LEFT TURN PHASING)

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 14001 TO ENSURE THAT HANDHOLE



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

(PROTECTED / PERMITTED LEFT TURN PHASING)

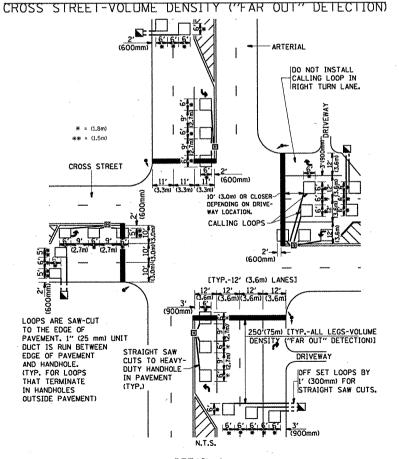


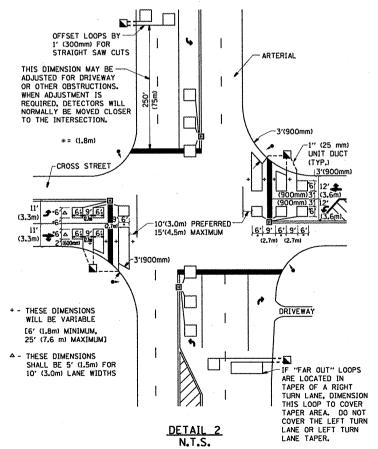
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

SCALE: NONE

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)

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





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.

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.

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		PLOT DATE = 4/13/2011	DATE	-		REVISED	-

N.T.S.

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

*							
DISTRICT 1 - DETECTOR LOOP INSTALLATION	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.		
DETAILS FOR ROADWAY RESURFACING	VAR.	2011-014-RS	соок	23	23		
DETAILS FUN NUADWAT RESUNTACING		TS-07	CONTRACT	NO.	50P03		
SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. F	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					