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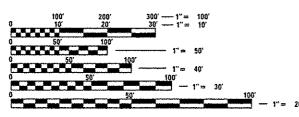
FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN: THE VILLAGE OF ADDISON THE VILLAGE OF ARLINGTON HEIGHTS THE VILLAGE OF GLENCOE THE VILLAGE OF LINCOLNWOOD THE VILLAGE OF MORTON GROVE THE VILLAGE OF NORTHBROOK THE VILLAGE OF PALATINE THE VILLAGE OF SCHAUMBURG THE VILLAGE OF SCHAUMBURG THE VILLAGE OF SKOKIE THE VILLAGE OF WILMETTE THE CITY OF CHICAGO THE CITY OF HIGHLAND PARK THE CITY OF ROLLING MEADOWS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

# PROPOSED HIGHWAY PLANS

VARIOUS ROUTES SECTION: 2014–029RS VARIOUS NORTH EXPRESSWAY LOCATIONS INTERMITTENT RESURFACING COOK, DUPAGE, AND LAKE COUNTIES C-91–305–14

FOR GENERAL LOCATION MAP, SEE SHEETS NO. 4 AND NO. 5



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

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

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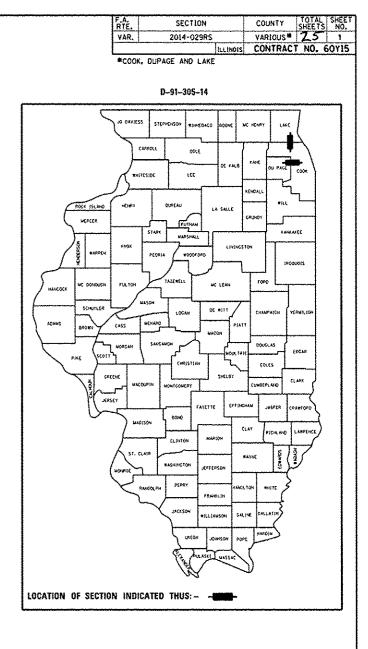
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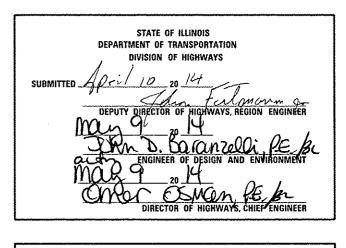
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PROJECT ENGINEER: DANIEL WILGREEN (847) 705–4240 PROJECT MANAGER: KEN ENG (847) 705–4247

CONTRACT NO. 60Y15





## PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

## INDEX OF SHEETS

(TS-07)

SHEET NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION	NO WORK SHALL BE PERFORMED
SHEET NO.		JTANDAND NO.	<u>ACONTE HOR</u>	THE CONTRACTOR WILL NOT BE PROPERTY WITHOUT WRITTEN P
1	TITLE SHEET	000001-06	TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS	ANY PAVEMENT MARKINGS AND
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES	701400 <i>-0</i> 7	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY	RESURFACING OPERATIONS ON S
3	SUMMARY OF QUANTITIES	701401 - 08	LANE CLOSURE, FREEWAY/EXPRESSWAY	BEFORE BEGINNING ANY WORK,
4-5	GENERAL LOCATION MAP	701411-08	MULTI-LANE, TRAFFIC CONTROL AT ENTRANCE OR EXIT RAMPS	EXISTING PAVEMENT MARKING L LOCATIONS CAN BE RE-ESTABL
6	ROUTE INFORMATION	701426-06	MULTI-LANE, INTERMITTENT OR MOVING OPERATION	SHALL BE AS DIRECTED BY TH
7	SUMMARY OF INTERMITTENT RESURFACING SCHEDULE	701428	TRAFFIC CONTROL SETUP & REMOVAL FREEWAY/EXPRESSWAY	ALL INTERMITTENT RESURFACIN
8	NB 1-290 TO WE 1-90 RAMP RESURFACING PLAN	701446-05	TWO LANE CLOSURE FREEWAY/EXPRESSWAY	THE CONTRACTOR SHALL CONTA
-		701901-03	TRAFFIC CONTROL DEVICES	A MINIMUM OF 72 HOURS IN A
9-16	INTERMITTENT RESURFACING SCHEDULE			THE ENGINEER SHALL CONTACT
17	BUTT JOINT AND HMA TAPER DETAILS (BD-32)			MINIMUM OF TWO (2) WEEKS PF
18	ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)			THE EXISTING ROADWAY TYPIC ON TOP OF A TEN INCH CONCR
19	FREEWAY SINGLE & MULTI-LANE WEAVE (TC-09)			ALL INTERMITTENT RESURFACIN
20-21	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS (TC-12)			RESURFACE ONLY. THE MINIMUM
22	FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)			THE COST OF ANY PARTIAL OF
23	SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS			EXISTING 2 INCH HOT-MIX ASP ARTICLE 109.04 OF THE STAND
	ON FREEWAYS/EXPRESSWAYS (TC-18)			L
24	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05, SHEET 2 OF 7)			ANY DETECTOR OR INDUCTION I THE RESPONSIBILITY OF THE C
25	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING			RESIDENT ENGINEER THIS INFO

STATE STANDARDS

CROSSING.

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 CREATER 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).

HOT-MIX ASPHALT MIXTURE R	EQUIREMENTS	QUALITY MANAGEMENT
MIXTURE TYPE	AIR VOIDS (%) @ N <sub>des.</sub>	PROGRAM (QMP)
INTERMITTENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5MM), 2"	4% @ 90 GYR	OC/OA
NB I-290 TO WB I-90 RAMP		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5MM), 1 3/4""	4% @ 90 GYR	0C/0A
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5MM), 1 3/4""	4% @ 70 GYR	A0/30
HOT-MIX ASPHALT BINDER COURSE, IL-19.0. N70 (2 1/4" - VARIES)	4% @ 70 GYR	0C/0A
OMP DESIGNATION: QUALITY CONTROL/QUALITY	ASSURANCE (OC/DA)	<u></u>

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

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG T6-22" 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 (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

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ci/p=.work/p=idot/p=rcep1/d0382485/HMA-	Expression-Harth.dga	DRAWN -	REVISED -	STATE OF ILLINOIS	INDEX O	F SHEETS, ST	ATE STA	INDARDS
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## GENERAL NOTES

MED ON ANY BRIDGES OR ELEVATED STRUCTURES.

BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE (OR TOLLWAY) PERMISSION FROM THE DEPARTMENT (OR ISTHA)

ND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND IN SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.

K, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL IG LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE ABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS THE ENGINEER.

CING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

NTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 ADVANCE OF BEGINNING WORK.

CT JERNARD PERKINS, AREA TRAFFIC FIELD ENGINEER AT (708) 524-2145 PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

ICAL SECTION IS ASSUMED TO HAVE A 3 INCH HOT-MIX ASPHALT OVERLAY NCRETE BASE.

CING LOCATIONS SHOWN IN THE PLANS ARE TWO (2) INCH MILL AND MUM WIDTH FOR INTERMITTENT RESURFACING SHALL BE THREE (3) FEET.

OR FULL DEPTH PATCHING REQUIRED AFTER THE REMOVAL OF THE SPHALT SURFACE SHALL BE PAID FOR IN ACCORDANCE WITH NDARD SPECIFICATIONS.

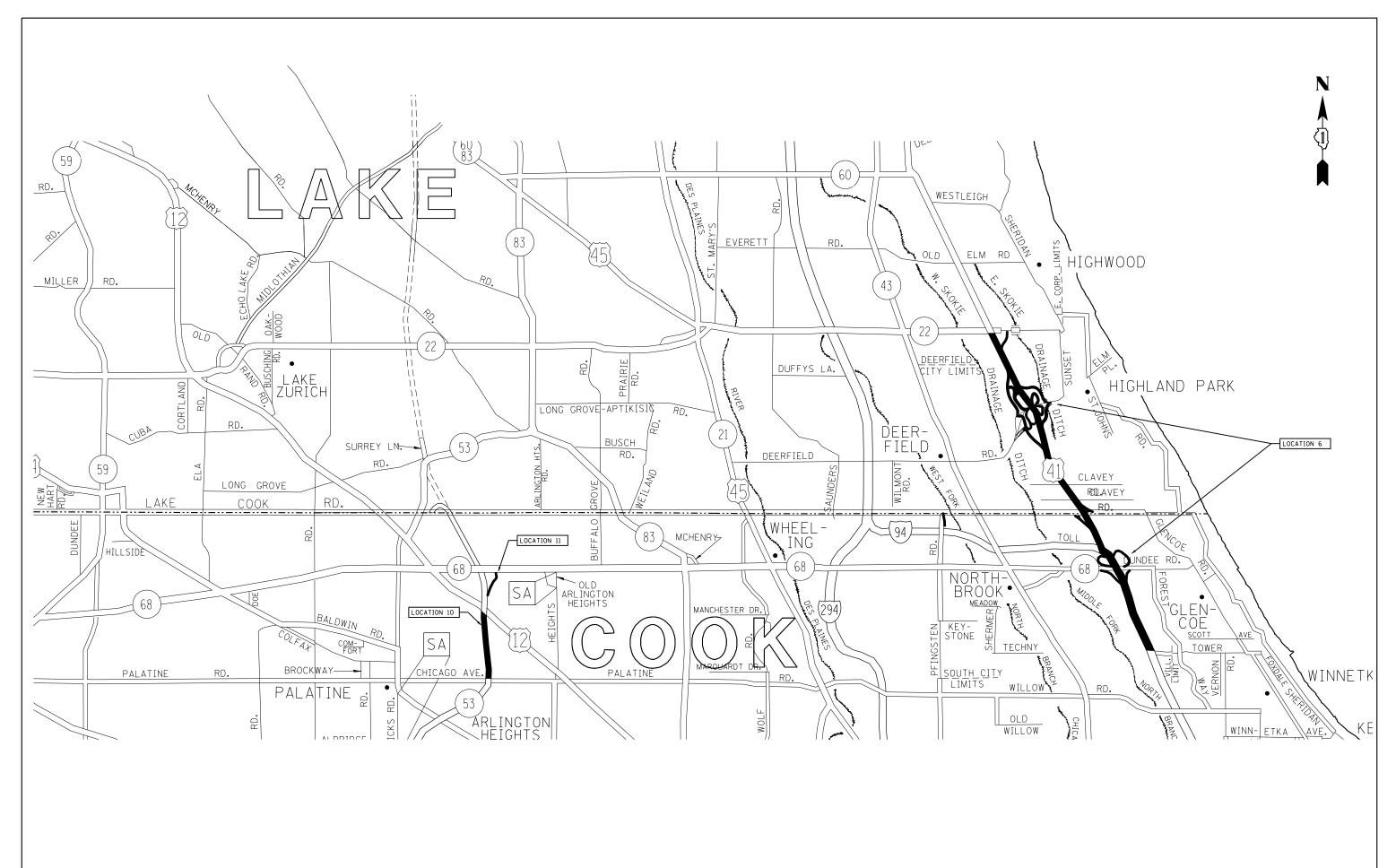
IN LOOPS DAMAGED BY MILLING SHALL BE REPLACED IN KIND. IT SHALL BE CONTRACTOR TO QUANTIFY LOOP REPLACEMENTS NEEDED AND PROVIDE THE RESIDENT ENGINEER THIS INFORMATION PRIOR TO GRINDING OR REMOVAL.

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

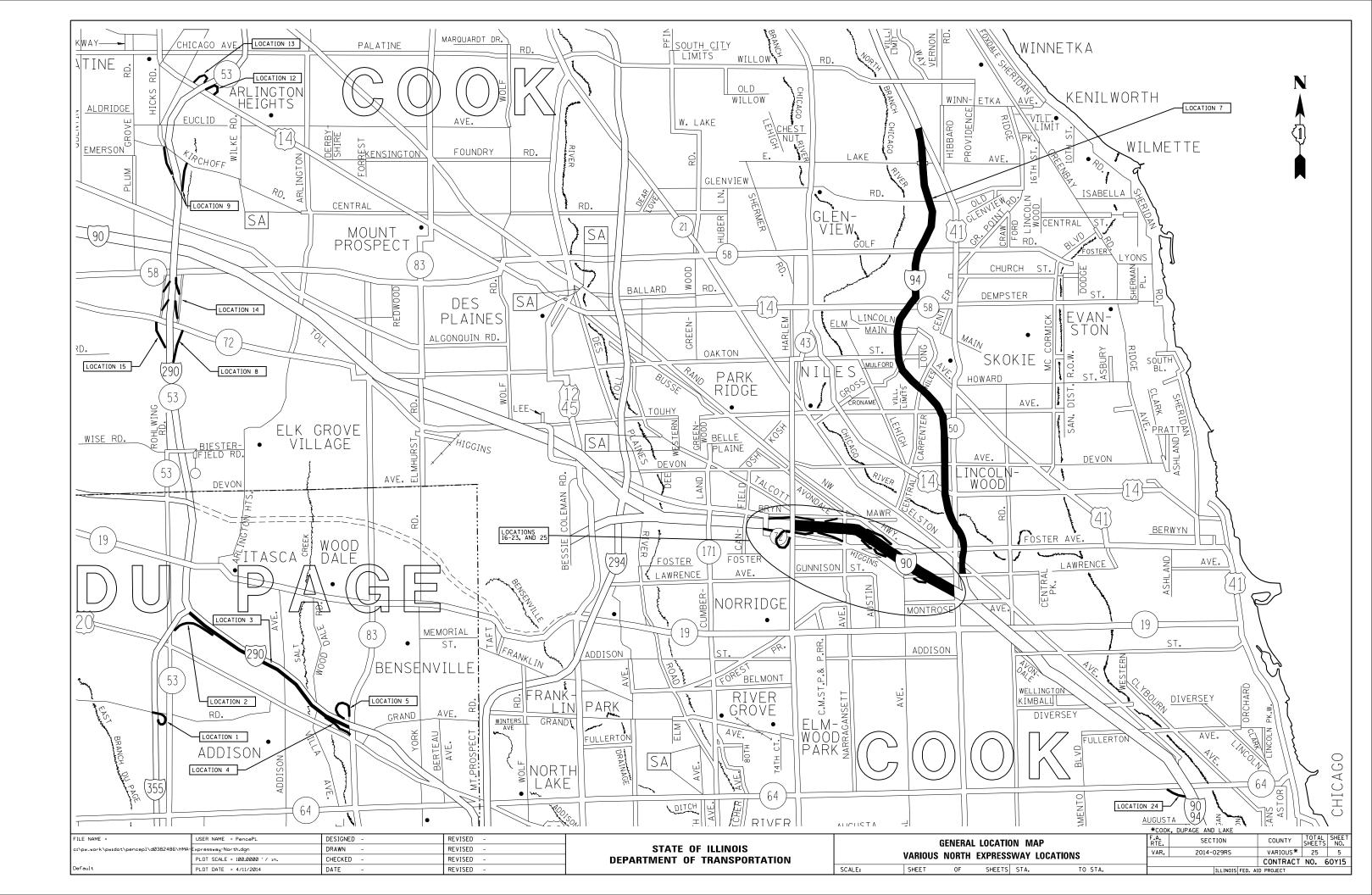
			*COOK	, DUPAGE AND LAKE			
			F.A. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
AND	GENERAL	NOTES	VAR,	2014-029R\$	VARIOUS*	25	S
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ļ		SUMMARY OF QUANTITIES		-	100% STATE	100% STATE	100% STATE		<b>_</b>				SUMMAI	RY OF QUANTITIES	1
co	DE NO	ITEM	UNIT	TOTAL QUANTITIES	COOK COUNTY	DUPAGE COUNTY	LAKE COUNTY	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	an e vez de la contra de la contr			CODE NO		ITEM	UNIT
40	600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	27	18	<u>0005</u> 2	00057				*	78000200	THERMOPLASTIC	C PAVEMENT MARKING - LINE 4"	FOOT
40	600982	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT	SO YD	509	348	23	138			-	*	78000400	THERMOPLAST	C PAVEMENT MARKING - LINE 6"	F00T
1.00011421201															
40	603085	HOT-MIX ASPHALT BINDER COURSE, [L-19.0, N70	TON	615	615						*	78000500	THERMOPLASTI	C PAVEMENT MARKING - LINE 8"	FOOT
40	603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	120	120						*	78000600	THERMOPLASTI	C PAVEMENT MARKING - LINE 12"	FOOT
40	603595	POLYMERIZED HOT-MIX ASPHALT SURFACE	TON	1720	1118	86	516				*	78000650	THERMOPLASTI	C PAVEMENT MARKING - LINE 24"	FOOT
		COURSE. MIX "F". N90	1999						-						
			SQ YD	12566	7201	761	4604				*	78004220		ASTIC PAVEMENT MARKING. AID - LINE 5"	FOOT
440	000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	50 TV	1200	7201	f 0 i	1001						مىسىمىر المراجع مى المراجع ا		,
44	000165	HOT-MIX ASPHALT SURFACE REMOVAL. 4"	SO YD	4 3 9 0	4390						*	78100100	RAISED REFLE	CTIVE PAVEMENT MARKER	EACH
48	102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	53	53					an for a stand of the stand of		78300200	RAISED REFLE	CTIVE PAVEMENT MARKER REMOVAL	EACH
60	300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	25	10	5	10				*	88600600	DETECTOR LOO	P REPLACEMENT	FOOT
67	000400	ENGINEER'S FIELD OFFICE. TYPE A	CAL MO	6	3	2	1					X2020110	GRADING AND	SHAPING SHOULDERS	UNITS
											and a state of the				
67	100100	MOBILIZATIÓN	L SUM	1	0.5	0.3	0.2					X4060110	BITUMINOUS M	ATERIALS (PRIME COAT)	POUNO
70	106800	CHANCEABLE MESSAGE SIGN	CAL MO	1	0.5	0.3	0.2					x7011015	TRAFFIC CONTI	ROL AND PROTECTION (EXPRESSWAYS	.) L SUM
70	300520	PAVEMENT MARKING TAPE. TYPE III 4"	FOOT	2853	1383	70	1400				*	x8730312	ELECTRIC CAB	LE IN CONDUIT, LEAD-IN, NO.	FOOT
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70	301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	951	461	23	467	-				<u>X7010410</u> x8850102	SPEED D INDUCTION LO	ISPLAY TRAILER 10P	CAL M FOOT
78	000100	THERMOPLASTIC PAVEMENT MARKING -	SO FT	349	187	36	126				Ø	20076604		RAINING PROGRAM GRADUATE	HOUR
15		LETTERS AND SYMBOLS			REVISED				<u> </u>			14	* SPECIALTY		
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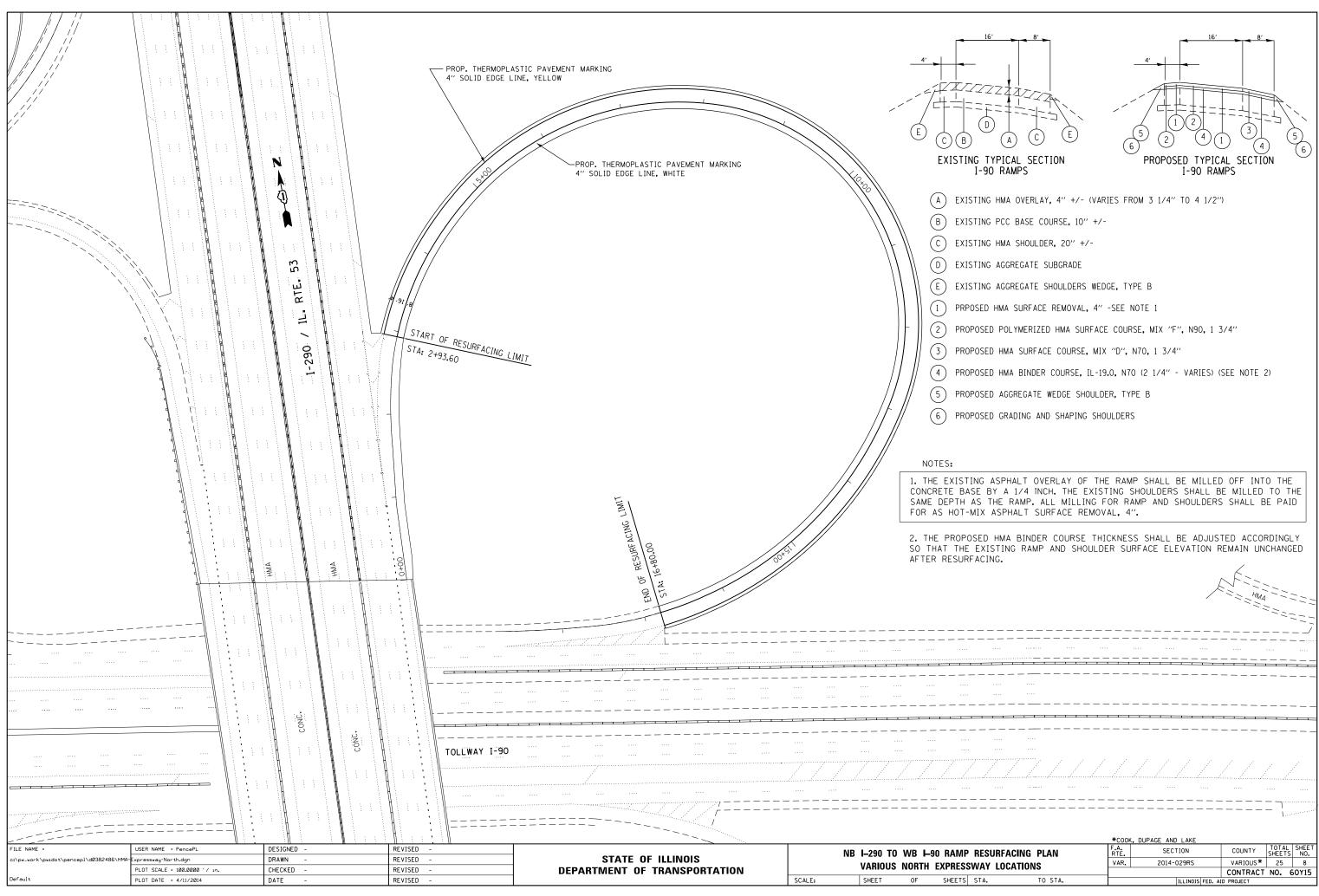
	SUMMARY - NORTHERN EXPRESSWAY ROUTES	COUNTY	CITIES/VILLAGES	TOWNSHIPS	SPEED LIMIT	EXISTING ADT (YEAR)
LOC.1	EB ARMY TRAIL RD. (ENTRANCE RAMP TO NB I-355)	DUPAGE	ADDISON	BLOOMINGDALE	30 MPH	13,800 (2012)
	EB I-290 (NB I-355 FEEDER RAMP)	DUPAGE	ADDISON	ADDISON	50 MPH	24,600 (2002)
	EB I-290 (I-355 TO IL 83(KINGERY HIGHWAY))	DUPAGE	ADDISON	ADDISON	55 MPH	87,900 (2012)
	EB I-290 (SB IL 83(KINGERY HIGHWAY) EXIT RAMP)	DUPAGE	ADDISON	ADDISON	25 MPH	10,400 (2002)
	WB I-290 (SB IL 83(KINGERY HIGHWAY) EXIT RAMP)	DUPAGE	ADDISON	ADDISON	25 MPH	4,500 (2002)
	I-94(EDENS) (TOWER RD. TO IL 22)	COOK, LAKE	GLENCOE, HIGHLAND PARK, NORTHBROOK	MORAINE, NEW TRIER, NORTHFIELD, WEST DEERFIELD	50 MPH	54,200 (2013)
LOC.7	NB I-94(EDENS) (LAWRENCE AVE. TO SKOKIE BLVD.)	соок	CHICAGO, LINCOLNWOOD, MORTON GROVE, SKOKIE, WILMETTE	JEFFERSON, NILES, NEW TRIER	55 MPH	149,500 (2013)
LOC.8	NB IL 53 (HIGGINS RD. EXIT RAMP)	СООК	SCHAUMBURG	ELK GOVE, SCHAUMBURG	N/A	23,200 (2010)
LOC.9	IL 53 (KIRCHHOFF RD. RAMPS)	СООК	ROLLING MEADOWS	PALATINE	N/A	5,300 (2010)
LOC.10	NB IL 53 (PALATINE ROAD TO US 12(RAND ROAD))	СООК	UNINCORPORATED	PALATINE	55 MPH	90,000 (2010)
LOC.11	NB IL 53 (DUNDEE RD. EXIT RAMP)	СООК	ARLINGTON HTS	WHEELING	N/A	3,850 (2010)
LOC.12	NB IL 53 (US 14(NORTHWEST HIGHWAY) EXIT RAMP)	СООК	PALATINE	PALATINE	N/A	3,350 (2010)
LOC.13	SB IL 53 (US 14(NORTHWEST HIGHWAY) ENTRANCE RAMP)	СООК	PALATINE	PALATINE	N/A	950 (2010)
LOC.14	IL 53 RAMPS (GOLF RD. TO HIGGINS RD. )	СООК	SCHAUMBURG	ELK GROVE	40 MPH	20,800 (2013)
LOC.15	SB IL 53 (HIGGINS ROAD ENTRANCE RAMP)	СООК	SCHAUMBURG	SCHAUMBURG	N/A	21,700 (2002)
LOC.16	I-90(KENNEDY) (HARLEM AVE. TO CICERO AVE.)	СООК	CHICAGO	JEFFERSON	55 MPH	158,800 (2013)
LOC.17	I-90(KENNEDY) (HARLEM AVE. RAMPS)	СООК	CHICAGO	JEFFERSON	N/A	9,200 (2009)
LOC.18	SB I-90(KENNEDY) (NAGLE AVE. EXIT RAMP)	СООК	CHICAGO	JEFFERSON	N/A	12,200 (2002)
LOC.19	NB I-90(KENNEDY) (NAGLE AVE. ENTRANCE RAMP)	СООК	CHICAGO	JEFFERSON	N/A	2,200 (2002)
LOC.20	SB I-90(KENNEDY) (AUSTIN AVE. EXIT RAMP)	СООК	CHICAGO	JEFFERSON	N/A	9,700 (2002)
LOC.21	SB I-90(KENNEDY) (FOSTER AVE. ENTRANCE RAMP)	СООК	CHICAGO	JEFFERSON	N/A	2,100 (2002)
LOC.22	NB I-90(KENNEDY) (FOSTER AVE. ENTRANCE RAMP)	СООК	CHICAGO	JEFFERSON	N/A	2,100 (2002)
LOC.23	SB I-90(KENNEDY) (LAWRENCE AVE. ENTRANCE RAMP)	СООК	CHICAGO	JEFFERSON	N/A	2,800 (2002)
OC.24	SB I-90(KENNEDY) (NORTH AVE. ENTRANCE RAMP)	СООК	CHICAGO	WEST CHICAGO	N/A	8,200 (1994)
OC.25	I-90(KENNEDY) (RAMPS AT SAYRE AVE.)	СООК	CHICAGO	JEFFERSON	N/A	1,700 (2002)

										*C00K, DI	UPAGE AND LAKE	
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		HMA 2" MILL
	SUMMARY - NORTHERN EXPRESSWAY ROUTES	& RESURFACE
		(SY)
LOC.1	EB ARMY TRAIL RD. (ENTRANCE RAMP TO NB I-355)	214
LOC.2	EB I-290 (NB I-355 FEEDER RAMP)	65
LOC.3	EB I-290 (I-355 TO IL 83(KINGERY HIGHWAY))	144
LOC.4	EB I-290 (SB IL 83(KINGERY HIGHWAY) EXIT RAMP)	175
LOC.5	WB I-290 (SB IL 83(KINGERY HIGHWAY) EXIT RAMP)	163
LOC.6	I-94(EDENS) (TOWER RD. TO IL 22)	8,078
LOC.7	NB I-94(EDENS) (LAWRENCE AVE. TO SKOKIE BLVD.)	196
LOC.8	NB IL 53 (HIGGINS RD. EXIT RAMP)	599
LOC.9	IL 53 (KIRCHHOFF RD. RAMPS)	58
LOC.10	NB IL 53 (PALATINE ROAD TO US 12(RAND ROAD))	8
LOC.11	NB IL 53 (DUNDEE RD. EXIT RAMP)	657
LOC.12	NB IL 53 (US 14(NORTHWEST HIGHWAY) EXIT RAMP)	124
LOC.13	SB IL 53 (US 14(NORTHWEST HIGHWAY) ENTRANCE RAMP)	55

		HMA 2" MILL
	SUMMARY - NORTHERN EXPRESSWAY ROUTES (CONTINUED)	& RESURFACE
		(SY)
LOC.14	IL 53 RAMPS (GOLF RD. TO HIGGINS RD. )	303
LOC.15	SB IL 53 (HIGGINS ROAD ENTRANCE RAMP)	446
LOC.16	I-90(KENNEDY) (HARLEM AVE. TO CICERO AVE.)	245
LOC.17	I-90(KENNEDY) (HARLEM AVE. RAMPS)	124
OC.18	SB I-90(KENNEDY) (NAGLE AVE. EXIT RAMP)	178
LOC.19	NB I-90(KENNEDY) (NAGLE AVE. ENTRANCE RAMP)	53
LOC.20	SB I-90(KENNEDY) (AUSTIN AVE. EXIT RAMP)	124
LOC.21	SB I-90(KENNEDY) (FOSTER AVE. ENTRANCE RAMP)	113
OC.22	NB I-90(KENNEDY) (FOSTER AVE. ENTRANCE RAMP)	318
LOC.23	SB I-90(KENNEDY) (LAWRENCE AVE. ENTRANCE RAMP)	80
LOC.24	SB I-90(KENNEDY) (NORTH AVE. ENTRANCE RAMP)	1
LOC.25	I-90(KENNEDY) (RAMPS AT SAYRE AVE.)	45
	NORTHERN EXPRESSWAY TOTAL =	12566
		SY

											*СООК, Dl	IPAGE AND LAKE		
FILE NAME =	USER NAME = PencePL	DESIGNED -	REVISED -		SUM	SUMMARY OF INTERMITTENT RESURFACING SCHEDULE						SECTION	COUNTY TOTAL SHEET	
c:\pw_work\pwidot\pencepl\d0382486\HMA-	Expressway-North.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS	VARIOUS NORTH EXPRESSWAY LOCATIONS						VAR.	2014-029RS	VARIOUS* 25 7	
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		VARIOO2	NUKIH	EXPRESS	SWAY LUC	ATIONS			CONTRACT NO. 60Y15	
Default	PLOT DATE = 4/11/2014	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT		



VΔV	LOCATIONS	VAR.	2014-02983		VARIOUS	20
	LUGATIONS				CONTRACT	NO.
STA.	TO STA.		ILLINOIS	FED. A	D PROJECT	

ROUTE:	EB Armytrail Road (Entra	ince Ramp to N	B I-355)				
CROSS	STREETS	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIF
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WDTH	LENGTH	(SQ FT)	(SQ YD
EB Army Trail Road			Ramp	15	6	90	10
			Ramp	15	50	750	83
			Ramp	6	100	600	67
			Ramp	8	50	400	44
	PCC/HMA Joint		Ramp	15	6	90	10
		TOTALS:			212		214
					FT		SY

ROUTE:	EB I-290(NB I-355 Feeder	Ramp)					
CROSS	STREETS	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIF
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD
NB I-355			1	12	6	72	8
			2	12	6	72	8
			1	12	8	96	11
			2	6	40	240	27
			1	12	3	36	4
			1	12	3	36	4
	EB I-290		2	12	3	36	4
		TOTALS:			69		65
		IUTALS.			69 FT		SY
					11		31

ROUTE	EB I-290 (SB IL 83(Kingery	Highway) Exit	t Ramp)				
110012							
CROSS	STREETS	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WDTH	LENGTH	(SQ FT)	(SQ YD
EB I-290		( <i>,</i>		15	3	45	5
				15	3	45	5
				15	3	45	5
				15	6	90	10
				15	3	45	5
				15	3	45	5
				15	3	45	5
				15	6	90	10
				15	6	90	10
				15	3	45	5
				15	6	90	10
				15	3	45	5
				15	3	45	5
				15	6	90	10
				15	6	90	10
				15	3	45	5
				15	6	90	10
				15	3	45	5
				15	3	45	5
				15	6	90	10
				15	3	45	5
				15	6	90	10
				15	6	90	10
	SB IL 83(Kingery Highway)			15	6	90	10
		TOTALS:			105		175
					FT		SY

ROUTE.	EB I-290 (I-355 to IL 83(Kin	gery riignway)	)				
CROSS	STREETS	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REP
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AR
		(NB/SB)	(1, 2, 3)	WDTH	LENGTH	(SQ FT)	(SQ
I-355		EB	2	12	6	72	8
		EB	3	12	6	72	8
		EB	3	12	6	72	8
		EB	2	12	6	72	8
		EB	3	12	6	72	8
		EB	3	12	6	72	8
		EB	2	12	6	72	8
		EB	2	12	6	72	8
		EB	2	12	6	72	8
		EB	3	12	6	72	8
		EB	2	12	6	72	8
		EB	2	12	6	72	8
		EB	3	12	6	72	8
		EB	2	12	6	72	8
	Mill Road Bridge	EB	3	12	6	72	8
Mill Road Bridge		EB	3	12	6	72	8
		EB	2	12	6	72	8
	IL 83(Kingery Highway)	EB	2	12	6	72	8
		TOTALS:			108		14
		I O IALO.			FT		S

ROUTE:	WB I-290 (SB IL 83(Kingery	Highway) Ex	it Ramp)				
CROSS	STREETS	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAI
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YE
WB  -290				15	6	90	10
				15	3	45	5
				15	3	45	5
				15	3	45	5
				15	3	45	5
				15	3	45	5
				15	3	45	5
				15	3	45	5
				6	80	480	53
				15	6	90	10
				15	6	90	10
				15	6	90	10
				15	3	45	5
				15	6	90	10
	SB IL 83(Kingery Highway)			30	6	180	20
		TOTALS:			140		163
					FT		SY

											*COOK,	DUPAGE AND LAKE	
FILE NAME =	USER NAME = PencePL	DESIGNED -	REVISED -			INTERM	ITTENT	RESURF			F.A.	SECTION	COUNTY TOTAL SHEET
c:\pw_work\pwidot\pencepl\d0382486\HMA-	Expressway-North.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS							VAR.	2014-029RS	VARIOUS* 25 9
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		A	KIVIY II	KAIL KD.	AND I-2	90		2011 020110	CONTRACT NO. 60Y15
Default	PLOT DATE = 4/11/2014	DATE -	REVISED -		SCALE:	SHEET	OF	SHEET	S STA.	TO STA.		ILLINOIS FED. A	ID PROJECT

ROUTE:	I-94(Edens) (Tower Ro	bad to IL 22)					
00000	AT0-57	DIDEOTION					
	STREET	DIRECTION	LANE	PAVEMENT		REPAIR	REPAI
FROM	то	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WDTH	LENGTH	(SQ FT)	(SQ YE
Tower Road		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	3	100	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	1	12	25	300	33
		NB	2	12	25	300	33
	1	NB	2	12 12	25 25	300	33 33
		NB	2			300	

ROUTE	: I-94(Edens) (Tower Road to	o IL 22)		(Continued)			
CROS	S STREET	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WDTH	LENGTH	(SQ FT)	(SQ YD)
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
	+	NB	2	12	25	300	33
		NB	2	3	100	300	33
	+	NB	2	3	100	300	33
	+	NB	2	3	100	300	33
		NB	2	3	100	300	33
	+	NB	2	3	100	300	33
		NB	2 2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25 25	300	
							33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	25	300	33
		NB	2	12	50	600	67
		NB	2	12	50	600	67
		NB	2	12	50	600	67
		NB	2	12	50	600	67
		NB	2	12	50	600	67
		NB	2	3	100	300	33
		NB	2	3	100	300	33
		NB	2	3	100	300	33
		NB	2	3	100	300	33
	IL 22	NB	2	3	100	300	33

										*COOK, D	UPAGE AND LAKE	
FILE NAME =	USER NAME = PencePL	DESIGNED -	REVISED -			INTERN	<b>NITTENT I</b>	RESURFACING SCHED	UI F	F.A. RTF	SECTION	COUNTY TOTAL SHE
c:\pw_work\pwidot\pencepl\d0382486\HMA-	Expressway-North.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS						VAR.	2014-029RS	VARIOUS* 25 10
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			I-94(EDEI	NS EXPRESSWAY)				CONTRACT NO. 60Y1
Default	PLOT DATE = 4/11/2014	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED.	AID PROJECT

CONTINUED ON NEXT SHEET

	ROUTE:	I-94(Edens) (Tower Road to	IL 22)		(Continued)			
	CROSS	STREET	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAI
FROM	0110000	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		10	(NB/SB)	(1, 2, 3)	WDTH	LENGTH	(SQ FT)	(SQ YE
IL 22			SB	1	4	100	400	44
			SB	1	4	100	400	44
 I			SB	1	4	100	400	44
			SB	1	4	100	400	44
			SB	1	4	100	400	44
			SB	1	4	100	400	44
			SB	1	4	100	400	44
 I			SB	1	4	100	400	44
			SB	1	4	100	400	44
			SB	1	4	100	400	44
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	12	25	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	1	3	100	300	33
			SB	2	12	25	300	33
			SB SB	2	12 12	25 25	300 300	33 33
					10		200	

ROUTE:	I-94(Edens) (Tower Road to	IL 22)		(Continued)			
CROSS	STREET	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
1100	10	(NB/SB)	(1, 2, 3)	WDTH	LENGTH	(SQ FT)	(SQ YD)
		SB	2	12	25	300	33
		SB	2	12	25	300	33
		SB	2	12	25	300	33
		SB	2	12	25	300	33
		SB	2	12	25	300	33
		SB	2	12	25	300	33
		SB	2	12	25	300	33
		SB	2	12	25	300	33
		SB		12	25	300	33
		SB SB	2		25		
		SB SB	2	12 12	25	300	33 33
			2			300	
		SB	2	12	25	300	33
		SB	2	12	25	300	33
		SB	2	12	25	300	33
		SB	2	12	25	300	33
		SB	2	12	25	300	33
		SB	2	12	25	300	33
		SB	2	3	100	300	33
		SB	2	3	100	300	33
		SB	2	3	100	300	33
		SB	2	3	100	300	33
		SB	2	3	100	300	33
		SB	2	3	100	300	33
		SB	2	3	100	300	33
		SB	2	3	100	300	33
		SB	2	3	100	300	33
		SB	2	3	100	300	33
		SB	2	12	50	600	67
		SB	2	12	50	600	67
		SB	2	12	50	600	67
		SB	2	12	50	600	67
		SB	2	12	50	600	67
		SB	2	12	50	600	67
		SB	2	12	50	600	67
		SB	2	12	50	600	67
		SB	2	12	50	600	67
		SB	2	12	50	600	67
		SB	2	3	50	150	17
		SB	2	3	50	150	17
		SB	2	3	100	300	33
		SB	2	3	100	300	33
		SB	2	3	100	300	33
		SB	2	12	50	600	67
		SB	2	12	50	600	67
		SB	3	12	50	600	67
		SB	3	12	50	600	67
		SB	3	12	50	600	67
		SB	3	3	100	300	33
		SB	3	3	100	300	33
		SB	3	3	100	300	33
		SB	3	3	100	300	33
	Tower Road	SB	3	3	100	300	33
	Tower Road	00			100	000	
							l
		TOTALS:			13025		8078
		ICIALO.			FT		SY
					• •		

											*COOK, DL	JPAGE AND LAKE		
FILE NAME =	USER NAME = PencePL	DESIGNED -	REVISED -			INTERM	ITTENT F	RESURFA	CING SCHED	LII F	F.A. RTF	SECTION	COUNTY	TOTAL SHEET
c:\pw_work\pwidot\pencepl\d0382486\HMA-	Expressway-North.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS						ULL	VAR.	2014-029RS	VARIOUS*	25 11
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			I-94(EDEI	N2 EXAR	ESSWAY)				CONTRACT	NO. 60Y15
Default	PLOT DATE = 4/11/2014	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT	

ROUTE:	NB I-94(Edens)(Lawrence /	Avenue to Skol	kie Boulev	<i>v</i> ard)			
CROSS	STREET	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAI
FROM	ТО	TO         (EB/WB)         NO.         PATCH         PATCH           (NB/SB)         (1, 2, 3)         WDTH         LENGTH           Elston Avenue         NB         1         12         6           orest Preserve Drive         NB         1         12         4           Cicero Avenue         NB         2         12         5           Branch Chicago River         NB         3         12         4           NB         1         12         4         4           Forest Glen Avenue         NB         3         12         4           Peterson Avenue         NB         1         12         4           Pratt Avenue         NB         1         12         4           NB         1         12         4         4           NB         1         12 <th>PATCH</th> <th>AREA</th> <th>AREA</th>	PATCH	AREA	AREA		
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YE
Lawrence Avenue	Elston Avenue	NB	1	12	6	72	8
Foster Avenue	Forest Preserve Drive	NB	1	12	4	48	5
Forest Preserve Drive		NB	1	12	4	48	5
		NB	1	12	6	72	8
	Cicero Avenue	NB	2	12	5	60	7
Cicero Avenue		NB	1	12	4	48	5
		NB	2	12	15	180	20
	N Branch Chicago River	NB	3		15	180	20
N Branch Chicago River		NB	1	12	8	96	11
		NB	2		4	48	5
	Forest Glen Avenue	NB	3		4	48	5
Forest Glen Avenue		NB	1		4	48	5
	Peterson Avenue	NB	1	12	6	72	8
Peterson Avenue	Devon Avenue	NB	1		4	48	5
Devon Avenue		NB	1	. –	4	48	5
	Pratt Avenue	NB	1	12	6	72	8
Pratt Avenue	Touhy Avenue	NB	1	12	4	48	5
Touhy Avenue		NB	1	•=	3	36	4
	Niles Center Road	=	1			48	5
Niles Center Road			1		-	36	4
	Gross Point Road	NB	1	12	6	72	8
Church Street		NB	1		3	36	4
	Golf Road	=	1		-	72	8
Golf Road		NB	1		5	60	7
	Old Orchard Road	NB	1	.=	6	72	8
Old Orchard Road	Glenview Road	NB	1	12	8	96	11
		TOTALS:			147		196
					FT		SY

ROUTE.	NB IL 53 (Higgins Road Ex	it Ramp)					
110012.							
CROSS	STREET	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WDTH	LENGTH	(SQ FT)	(SQ YD
PCC/HMA Pavement Joint		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8

	ROUTE:	NB IL 53 (Higgins Road Ex	it Ramp)		(Continued)				
	CROSS		DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR	
FROM		TO	(EB/WB)	NO.	PATCH	PATCH		AREA	
			(NB/SB) NB	(1, 2, 3)	MDTH 12	LENGTH 6	(SQ FT) 72	(SQ YD) 8	
			NB	1	12	6	72	8	
			NB	1	12	6	72	8	
			NB	1	12	6	72	8	
			NB	1	12	6	72	8	
			NB	1	12	6	72	8	
			NB	1	12	6	72	8	
			NB	1	12	6	72	8	
			NB NB	2	12 12	6 6	72 72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB NB	2	12 12	6 6	72 72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB NB	2	12 12	6 6	72 72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB	2	12	6	72	8	
			NB NB	2 LT	12 6	6 5	72 30	8	
			NB		12	6	72	8	
			NB	LT	12	6	72	8	
			NB	LT	12	6	72	8	
			NB	LT	12	6	72	8	
			NB	LT	12	6	72	8	
			NB	LT	12	6	72	8	
			NB	LT	12	6	72	8	
			NB	LT	12 12	6	72 72	8	
			NB NB	LT LT	12	6 6	72	8	
			NB	RT	6	5	30	3	
			NB	RT	12	6	72	8	
			NB	RT	12	6	72	8	
			NB	RT	12	6	72	8	
			NB	RT	12	6	72	8	
			NB	RT	12	6	72	8	
			NB	RT	12	6	72	8	
		Higgins Road	NB	RT	12	6	72	8	
			TOTALS:			454		599	
							GE AND LAKE	SY	
		INTERMITTENT RES	IRFACING SCI			F.A. RTE.	SECTION	COUNTY	TOTA
		I–94(EDENS EXPRE				VAR.	2014-029RS	VARIOUS*	25
1								CONTRAC	

FILE NAME =	USER NAME = PencePL	DESIGNED -	REVISED -			INTERMIT	TENT B	RECHIREA	r	
c:\pw_work\pwidot\pencepl\d0382486\HMA-	Expressway-North.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS	1					
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Default	PLOT DATE = 4/11/2014	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS		

ROUT	E: IL 53(Kirchoff Road Ramp	s)					
CROS	S STREET	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REP
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	ARE
		(NB/SB)	(1, 2, 3)	WDTH	LENGTH	(SQ FT)	(SQ`
Kirchoff Road	SB IL 53	SB		15	6	90	10
NB IL 53		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	1	12	6	72	8
		NB	2	12	6	72	8
		NB	2	12	6	72	8
	Kirchoff Road	NB	2	12	6	72	8
							<u> </u>
		TOTALS:			42		58
					FT		S

ROUTE:	NB IL 53 (US 14(Northwest	Highway) Exit	Ramp)				
CROSS	STREET	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)
N PCC/HMA Jt. RR Bridge		NB	1	18	3	54	6
		NB	1	18	6	108	12
		NB	1	18	18	324	36
		NB	1	18	8	144	16
		NB	2	3	60	180	20
		NB	1	12	3	36	4
		NB	2	12	12	144	16
	US 14(Northwest Highway)	NB	2	16	8	128	14
		TOTALS:			118		124
					FT		SY

ROUTE:	NB IL 53 (Palatine Road to	US 12(Rand F	Road))				
CROSS	STREET	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)
Palatine Road	US 12(Rand Road)	NB	3	12	6	72	8
		TOTALS:			6		8
					FT		SY

RUL	JTE: NB IL 53 (Dundee Road	Exit Ramp)					
CRO	DSS STREET	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REP
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	ARE
		(NB/SB)	(1, 2, 3)	WDTH	LENGTH	(SQ FT)	(SQ)
NB IL 53		NB	3,SHLDR	4	3	12	1
		NB	3,RAMP	3	96	288	32
		NB	RAMP	12	20	240	27
		NB	3, RAMP	3	100	300	33
		NB	LT1	3	40	120	13
		NB	LT1,RT1	3	275	825	92
		NB	RT2	3	160	480	53
		NB	RT2	4	60	240	27
		NB	RT1	12	38	456	5
		NB	RT2	10	12	120	13
		NB	RT1	4	45	180	20
		NB	RT1	12	3	36	4
		NB	RT2	4	50	200	22
		NB	LT2	3	100	300	33
		NB	RT2	3	50	150	17
		NB	LT2	3	170	510	57
		NB	RT1,RT2	3	185	555	62
		NB	LT2,RT1	3	120	360	40
		NB	RT1	4	50	200	22
		NB	RT1	14	20	280	37
	Dundee Road	NB	LT1	8	8	64	7
		TOTALS:			1605		65
		ICTALO.			FT		S

SB IL 53 (US 14(Northwest	Highway) Ent	rance Rar	np)			
STREET	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
	(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
	SB	1	16	6	96	11
	SB	1	16	3	48	5
	SB	1	3	6	18	2
	SB	1	16	3	48	5
	SB	1	16	5	80	9
	SB	1	16	6	96	11
	SB	1	16	4	64	7
N PCC/HMA Jt. RR Bridge	SB	1	16	3	48	5
	TOTALS:			36		55
				FT		SY
	STREET TO	STREET DIRECTION TO (EB/WB) (NB/SB) SB SB SB SB SB SB SB SB SB SB SB SB SB	STREET         DIRECTION         LANE           TO         (EB/WB)         NO.           (NB/SB)         (1, 2, 3)           SB         1           N PCC/HMA Jt. RR Bridge         SB	TO         (EB/WB)         NO.         PATCH           (NB/SB)         (1, 2, 3)         WDTH           SB         1         16           N PCC/HMA Jt. RR Bridge         SB         1           Component         SB         1         16	STREET         DIRECTION         LANE         PAVEMENT         PAVEMENT           TO         (EB/WB)         NO.         PATCH         PATCH           (NB/SB)         (1, 2, 3)         WDTH         LENGTH           SB         1         16         6           SB         1         16         3           SB         1         16         4           N PCC/HMA Jt. RR Bridge         SB         1         16           TOTALS:         TOTALS:         36	STREET         DIRECTION         LANE         PAVEMENT         PAVEMENT         REPAIR           TO         (EB/WB)         NO.         PATCH         PATCH         AREA           (NB/SB)         (1, 2, 3)         WIDTH         LENGTH         (SQ FT)           SB         1         16         6         96           SB         1         16         3         48           SB         1         16         5         80           SB         1         16         4         64           N PCC/HMA Jt. RR Bridge         SB         1         16         3         48           TOTALS:         TOTALS:         36         36         36         36

										*COOK, DI	JPAGE AND LAKE	
FILE NAME =	USER NAME = PencePL	DESIGNED -	REVISED -			INTERM	ITTENT F	RESURFACING SCH		F.A. BTE	SECTION	COUNTY TOTAL SHEET
c:\pw_work\pwidot\pencepl\d0382486\HMA	Expressway-North.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS				II 53	DOLL	VAR.	2014-029RS	VARIOUS* 25 13
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION				IL 53				CONTRACT NO. 60Y15
Default	PLOT DATE = 4/11/2014	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED.	

		TOTALS:			240		303
		TOTALO			040		
G	olf Road	ND		12		14	
	NB IL 53	NB NB	RAMP	12	6 6	72	8 8
		NB	RAMP RAMP	12 12	6	72 72	8
		NB	RAMP	12	6	72	8
		NB	RAMP	12	6	72	8
		NB	RAMP	12	6	72	8
		NB	RAMP	12	6	72	8
		NB	RAMP	3	10	30	3
		NB	RAMP	3	6	18	2
E. Frontage Road		NB	RAMP	3	3	9	1
Wood	dfield Road						
	PCC/HMA Jt. NB IL 53 Ramp	NB	RAMP	8	8	64	7
		NB	RAMP	12	6	72	8
		NB	RAMP	12	6	72	8
		NB	RAMP	12	6	72	8
E. Frontage Road		NB	RAMP	12	6	72	8
Hiar	gins Road	30		12	0	12	
	W. Frontage Road	SB SB	RAMP	12	6 6	72	8
		SB SB	RAMP RAMP	12 12	6	72 72	8
		SB	RAMP	12	6	72	8
		SB	RAMP	12	6	72	8
		SB	RAMP	12	6	72	8
		SB	RAMP	16	6	96	11
		SB	RAMP	16	4	64	7
		SB	RAMP	16	6	96	11
		SB	RAMP	16	3	48	5
		SB	RAMP	16	3	48	5
SB IL 53		SB	RAMP	16	3	48	5
	dfield Road				-		
	W. Frontage Road	SB	RAMP	6	8	48	5
		SB	RAMP	12	10	120	13
		SB	RAMP	12	10	120	13
		SB	RAMP	12	10	120	13
		SB	RAMP	12	6	72	8
		SB	RAMP	12	6	72	8
		SB	RAMP	12	6	72	8
		SB	RAMP	12	6	72	8
		SB	RAMP	12	6	72	8
		SB	RAMP	12	6	72	8
		SB	RAMP	12	6	72	8
SB IL 53		SB	RAMP	12	6	72	8
G	olf Road	(110/00)	(1, 2, 3)	VIDIII	LENGIN		
FROIVI	10	(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ Y
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	ARE
CROS	SS STREET	DIRECTION	LANE	PAVEMENT		REPAIR	REPA
ROUI	E: IL 53 Ramps(Golf Road to Hig	gins Road)					

		SB IL 53 (Higgins Road E	-natarioe rianip)					
(	CROSS	STREET	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)
Higgins Roa	d		SB	1	6	15	90	10
			SB	1,2	3	900	2700	300
			SB	2,3	3	25	75	8
			SB	3	8	20	160	18
			SB	1	12	4	48	5
			SB	1	12	3	36	4
			SB	1	12	3	36	4
			SB	2	18	3	54	6
			SB	1	3	55	165	18
			SB	1	12	3	36	4
			SB	1	3	50	150	17
			SB	1	16	10	160	18
			SB	1	3	60	180	20
			SB	1	12	4	48	5
		PCC/HMA Joint	SB	1	12	6	72	8
			TOTALS:			1161 ET		446
						FT		SY
F	ROUTE:	I-90(Kennedy)(Harlem Av	enue to Cicero A	venue NE	3 & SB)			
	CDOSS	STREET	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM		TO	(EB/WB)	NO.	PAVEMENT	PAVEMENT	AREA	AREA
FROM		10	(NB/SB)	(1, 2, 3)	WDTH	LENGTH	(SQ FT)	(SQ YD)
Harlem Avenu	ue		SB	1	12	4	48	5
			SB	1	12	4	48	5
			SB	1	12	6	72	8
			SB	1	12	6	72	8
			SB	1	12	8	96	11
			SB	2	12	4	48	5
			SB	2	12	6	72	8
			SB	2	12	6	72	8
			SB	3	12	4	48	5
			SB	3	12	6	72	8
			SB	3	12	6	72	8
		0. 1	SB	3	12	8	96	11
0:		Cicero Avenue	SB	3	12	8	96	11
Cicero Avenu	Je		NB	1	12	8	96	11
			NB	1	12	6	72	8
			NB	1	12	6	72	8
			NB	1	12	6	72	8
			NB	1	12	4	48	5
			NB	2	12	8	96	11
			NB	2	12	6	72	8
			NB	2	12	6	72	8
			NB	2	12	6	72	8
			NB	2	12	6	72	8
			NB	2	12	6	72	8
			NB	3	12	8	96	11
			NB	3	12	6	72	8
			NB	3	12	6	72	8
			NB	3	12	6	72	8
			NB	3	12	6	72	8
			NB	3	12	4	48	5
		Harlem Avenue	NB	3	12	4	48	5
			TOTALS:			184		245
			IOTALO.			FT		SY
			1			*COOK, DUPA	GE AND LAKE	
		INTERMITTENT RE	SURFACING SCI	IEDULE		F.A. RTE.	SECTION	COUNTY TO
1				SWAY)		VAR.	2014-029RS	VARIOUS* 2

FILE NAME	=	USER NAME = PencePL	DESIGNED -	REVISED -			INTERMIT	TENT E	RESURFA
c:\pw_work\	\pwidot\pencepl\d0382486\HMA-	Expressway-North.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS				
		PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		IL 53 AN	D H-AO(	KENNED
Default		PLOT DATE = 4/11/2014	DATE –	REVISED -		SCALE:	SHEET	OF	SHEET

ROUTE:	I-90(Kennedy)(Harlem Ave	enue Ramps)					
CROSS	STREET	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPA
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	ARE
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ Y
NB I-90(Kennedy)				16	4	64	7
	Harlem Avenue			16	4	64	7
SB I-90(Kennedy)	Harlem Avenue			16	10	160	18
NB Harlem Ave.				16	4	64	7
				16	4	64	7
				16	4	64	7
				16	4	64	7
				16	6	96	11
	SB I-90(Kennedy)			16	8	128	14
SB Harlem Ave.				16	6	96	11
				16	6	96	11
	NB I-90(Kennedy)			16	6	96	11
SB Harlem Ave.	SB I-90(Kennedy)			16	4	64	7
		TOTAL C			70		404
		TOTALS:			70 FT		124 SY

ROUTE:	NB I-90(Kennedy)(Nagle Av	enue Entrance	e Ramp)				
CROSS	STREET	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 I-90(Kennedy)			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
	Nagle Avenue		1	20	4	80	9
							=0
		TOTALS:			24		53
					FT		SY

ROUIE.	SB I-90(Kennedy)(Nagle		iip)				
CROSS	STREET	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REP
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	ARI
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ
SB I-90(Kennedy)			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	8	160	18
	Nagle Avenue		1	20	8	160	18
		TOTALS:			80		17
		TOTALO.			FT		S

ROUTE:	SB I-90(Kennedy)(Austin A	venue Exit Ra	mp)				
CROSS STREET		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 I-90(Kennedy)			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	8	160	18
	Austin Avenue		1	20	8	160	18
		TOTALS:			56		124
					FT		SY

											*C00K, D	UPAGE AND LAKE	
FILE NAME =	USER NAME = PencePL	DESIGNED -	REVISED -			INTERM	<b>NITTENT</b>	RESURE	ACING SCHE		F.A.	SECTION	COUNTY TOTAL SHEET
c:\pw_work\pwidot\pencepl\d0382486\HMA-	Expressway-North.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS							VAR.	2014-029RS	VARIOUS* 25 15
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		l-	-90(KENN	VEDY EX	(PRESSWAY)				CONTRACT NO. 60Y15
Default	PLOT DATE = 4/11/2014	DATE -	REVISED -		SCALE:	SHEET	OF	SHEE	TS STA.	TO STA.		ILLINOIS FED. A	

ROUTE	SB I-90(Kennedy)(Foster	Avenue Entranc	e Ramp)				
CROSS	STREET	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPA
FROM	TO	(EB/WB)	NO.	PATCH	PATCH	AREA	ARE
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ Y
SB I-90(Kennedy)			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
	Foster Avenue		1	3	100	300	33
		TOTALS:			136		113
		I OTALO.			FT		SY

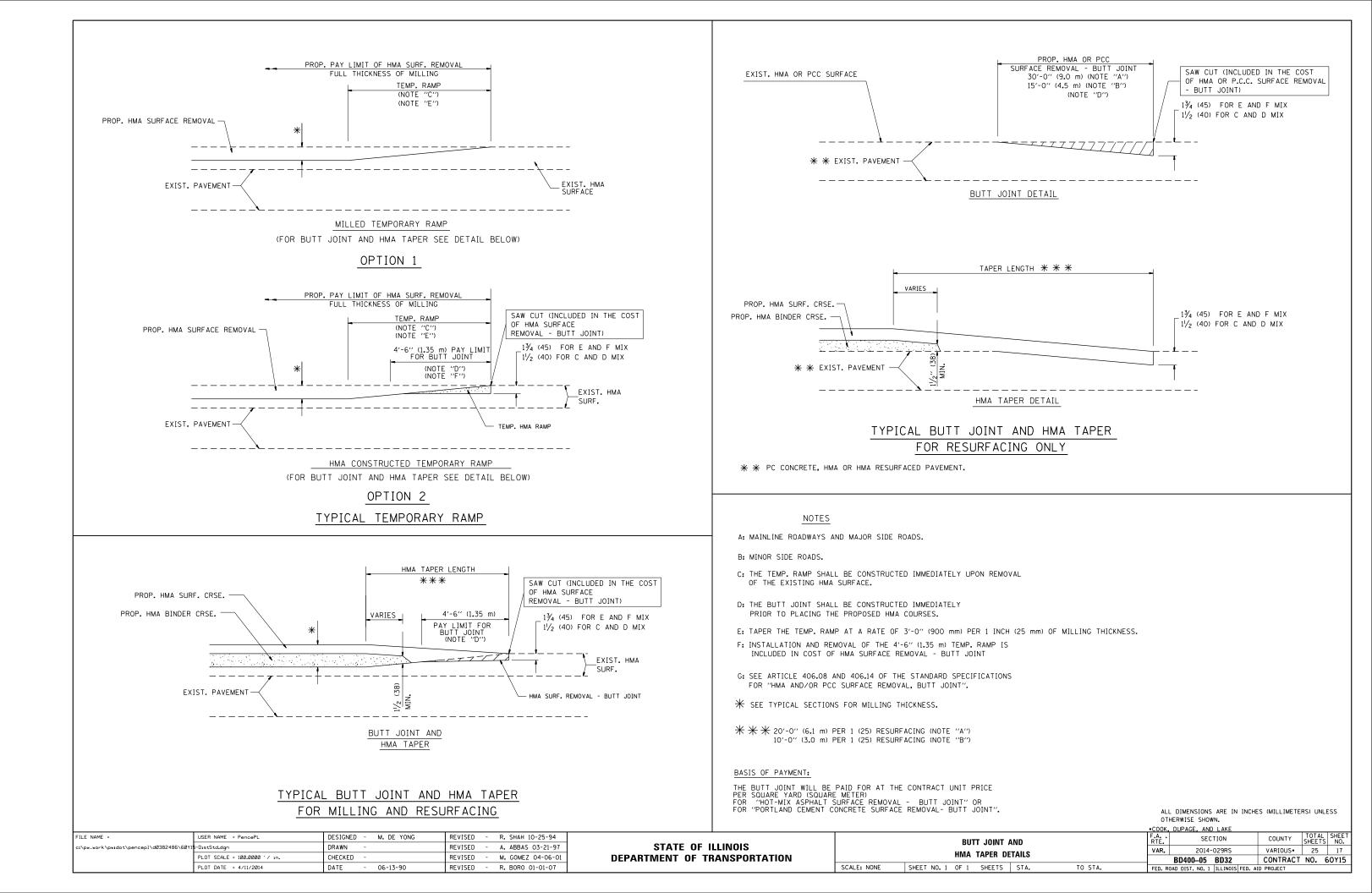
ROUTE:	SB I-90(Kennedy)(Lawrend	ce Avenue Entra	ance Ram	ıp)			
CROSS	STREET	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
SB I-90(Kennedy)			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
			1	20	4	80	9
	Lawrence Avenue		1	20	4	80	9
		TOTALS:			36		80
					FT		SY

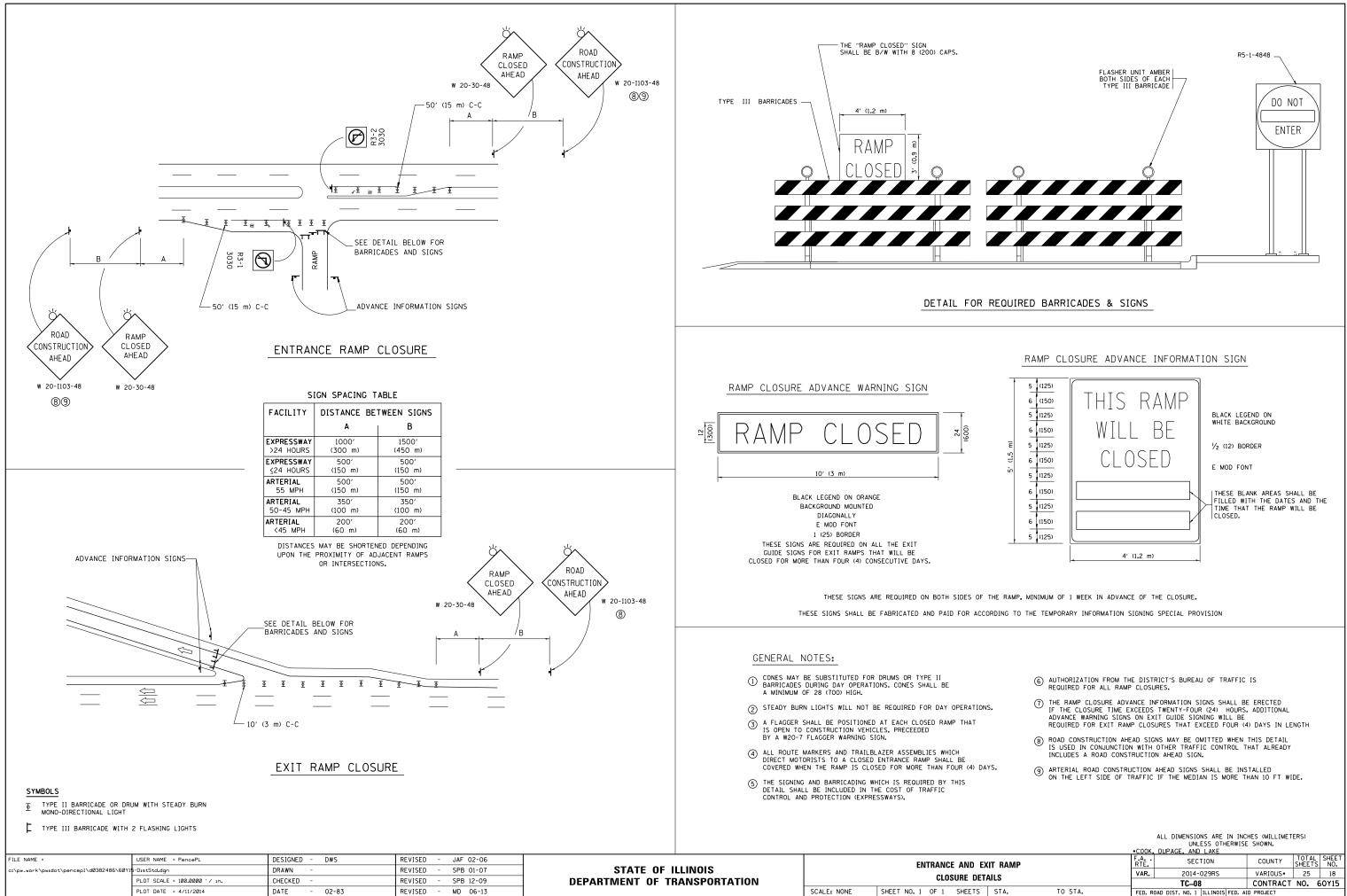
ROUTE:	SB I-90(Kennedy)(North Av	enue Entrance	Ramp)				
CROSS	STREET	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
North Avenue	SB I-90(Kennedy)	Ramp		3	3	9	1.0
		TOTALS:			3		1
					FT		SY

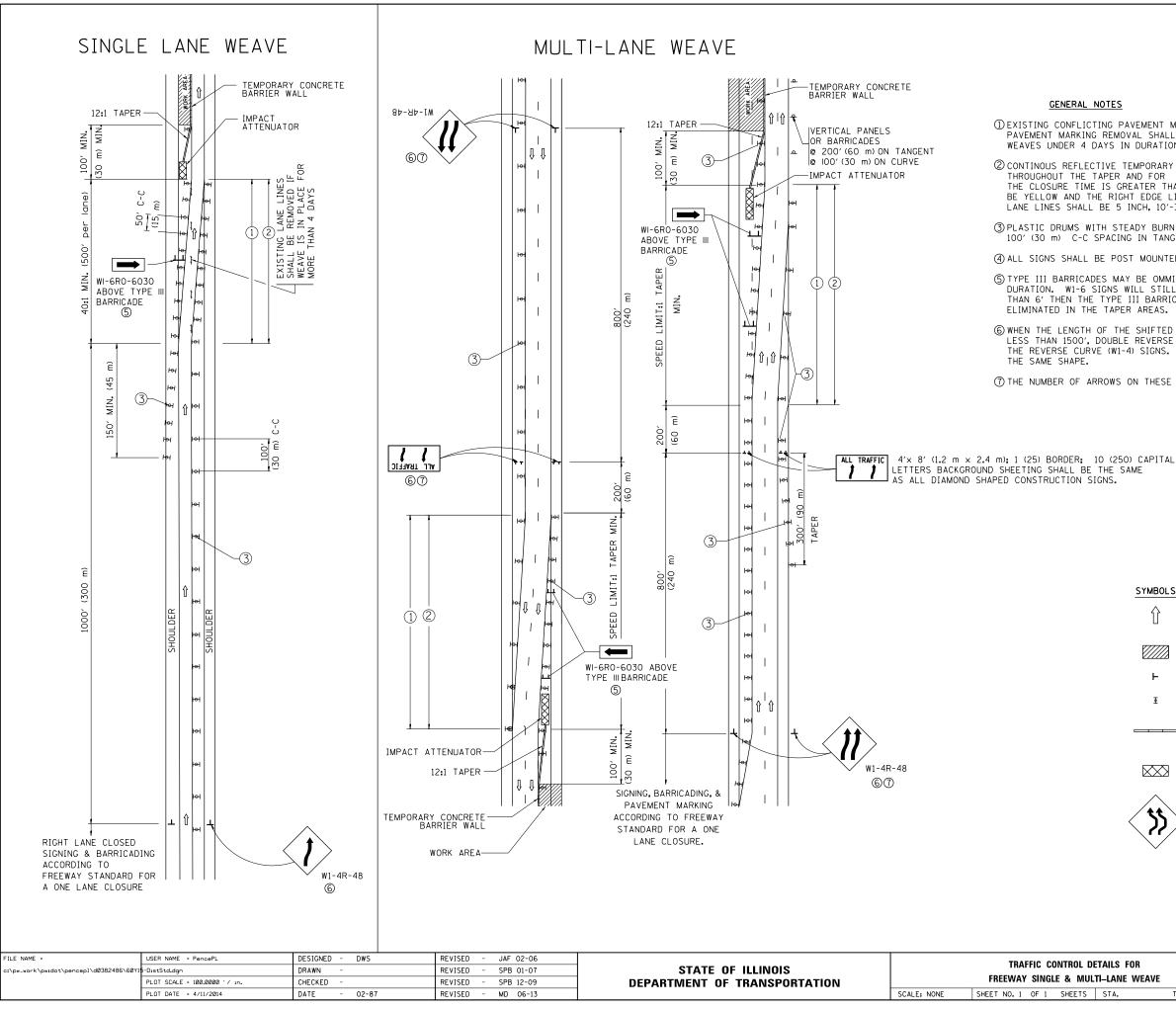
ROUTE:	I-90(Kennedy)(Ramps at \$	Savre Avenue)					
		, ,					
CROSS	STREET	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAIR
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
		(NB/SB)	(1, 2, 3)	WIDTH	LENGTH	(SQ FT)	(SQ YD)
NB I-90(Kennedy)		NB Ramp		4	10	40	4.4
		NB Ramp		4	10	40	4.4
	Sayre Avenue	NB Ramp		2	2	4	0.4
Sayre Avenue		SB Ramp		2	20	40	4.4
		SB Ramp		2	20	40	4.4
		SB Ramp		2	20	40	4.4
		SB Ramp		2	20	40	4.4
		SB Ramp		2	20	40	4.4
		SB Ramp		2	20	40	4.4
		SB Ramp		2	20	40	4.4
	SB I-90(Kennedy)	SB Ramp		2	20	40	4.4
		TOTALS:			182		45
					FT		SY

		TOTALS:			173 FT		318 SY
	· · · · · · · · · · · · · · · · · · ·						
	Foster Avenue		1	20	6	120	13
			1	20	6	120	13
			1	20	6	120	13
			1	20	8	160	18
			1	20	6	120	13
			1	8	50	400	44
			1	20	6	120	13
			1	20	8	160	18
			1	20	6	120	13
			1	20	6	120	13
			1	20	20	400	44
			1	20	10	200	22
			1	20	8	160	18
			1	20	7	140	16
			1	20	6	120	13
( ·······, ) /			1	20	6	120	13
NB I-90(Kennedy)		· · · · ·	1	20	8	160	18
		(NB/SB)	(1, 2, 3)	WDTH	LENGTH	(SQ FT)	(SQ YE
FROM	ТО	(EB/WB)	NO.	PATCH	PATCH	AREA	AREA
CROSS	STREET	DIRECTION	LANE	PAVEMENT	PAVEMENT	REPAIR	REPAI
NOUTE.	NB I-90(Kennedy)(Foster		e ixamp)				

									*COOK, DUPAGE AND LAKE				
FILE NAME =	USER NAME = PencePL	DESIGNED -	REVISED -		INTERMITTENT RESURFACING SCHEDULE 190(KENNEDY EXPRESSWAY)			F.A. RTF	SECTION	COUNTY TOTAL SHEET			
c:\pw_work\pwidot\pencepl\d0382486\HMA-	Expressway-North.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS				VAR.	2014-029RS	VARIOUS* 25 16			
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION						CONTRACT NO. 60Y15			
Default	PLOT DATE = 4/11/2014	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED.	AID PROJECT				







① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.

② CONTINOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.

(3) PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.

(4) ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.

(5) TYPE III BARRICADES MAY BE OMMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE

(6) WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE

(7) THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

#### SYMBOLS

- Ŷ DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL ₫ STEADY BURNING LIGHT

TEMPORARY CONCRETE BARRIER WALL

 $\mathbb{X}$ 

IMPACT ATTENUATOR

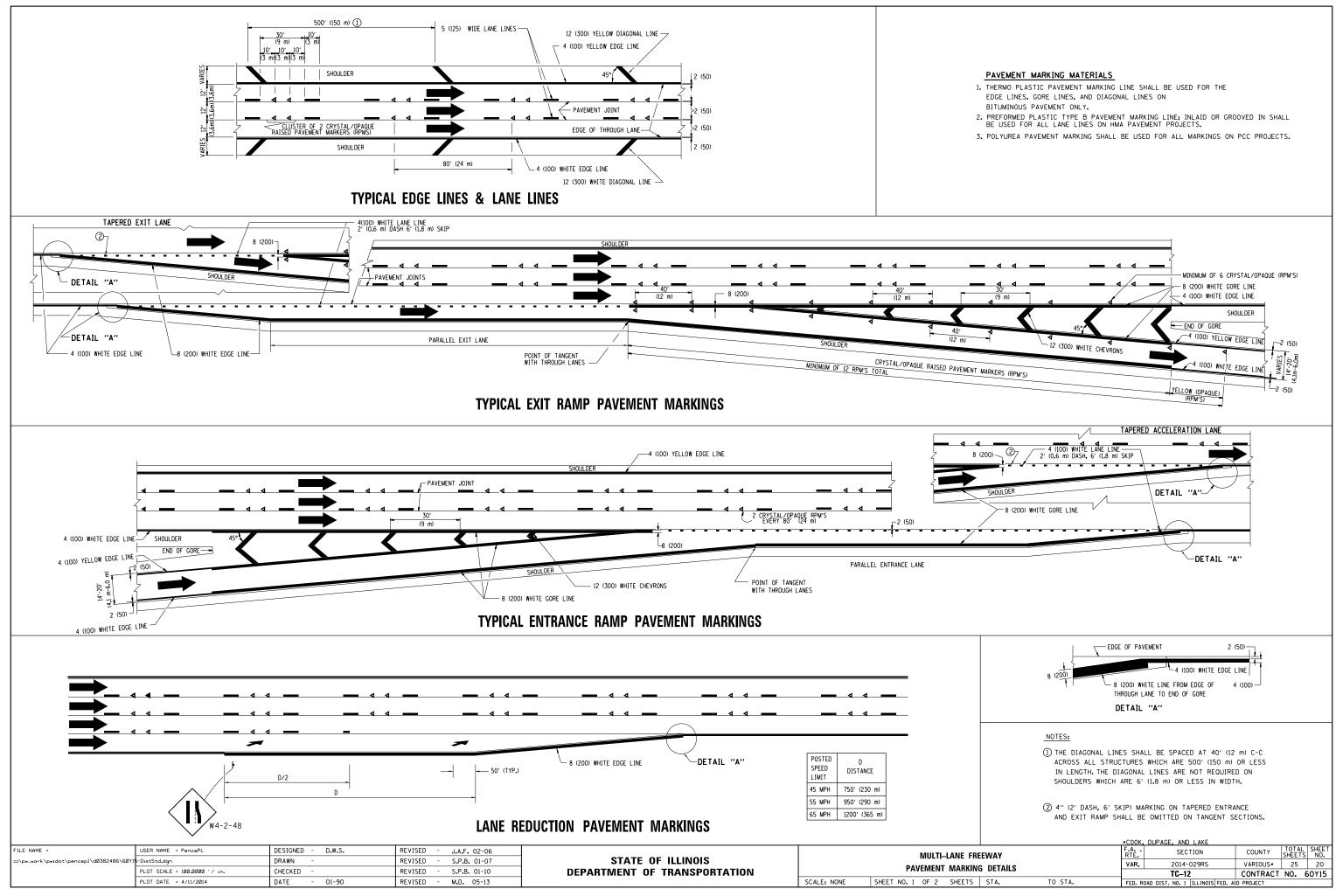
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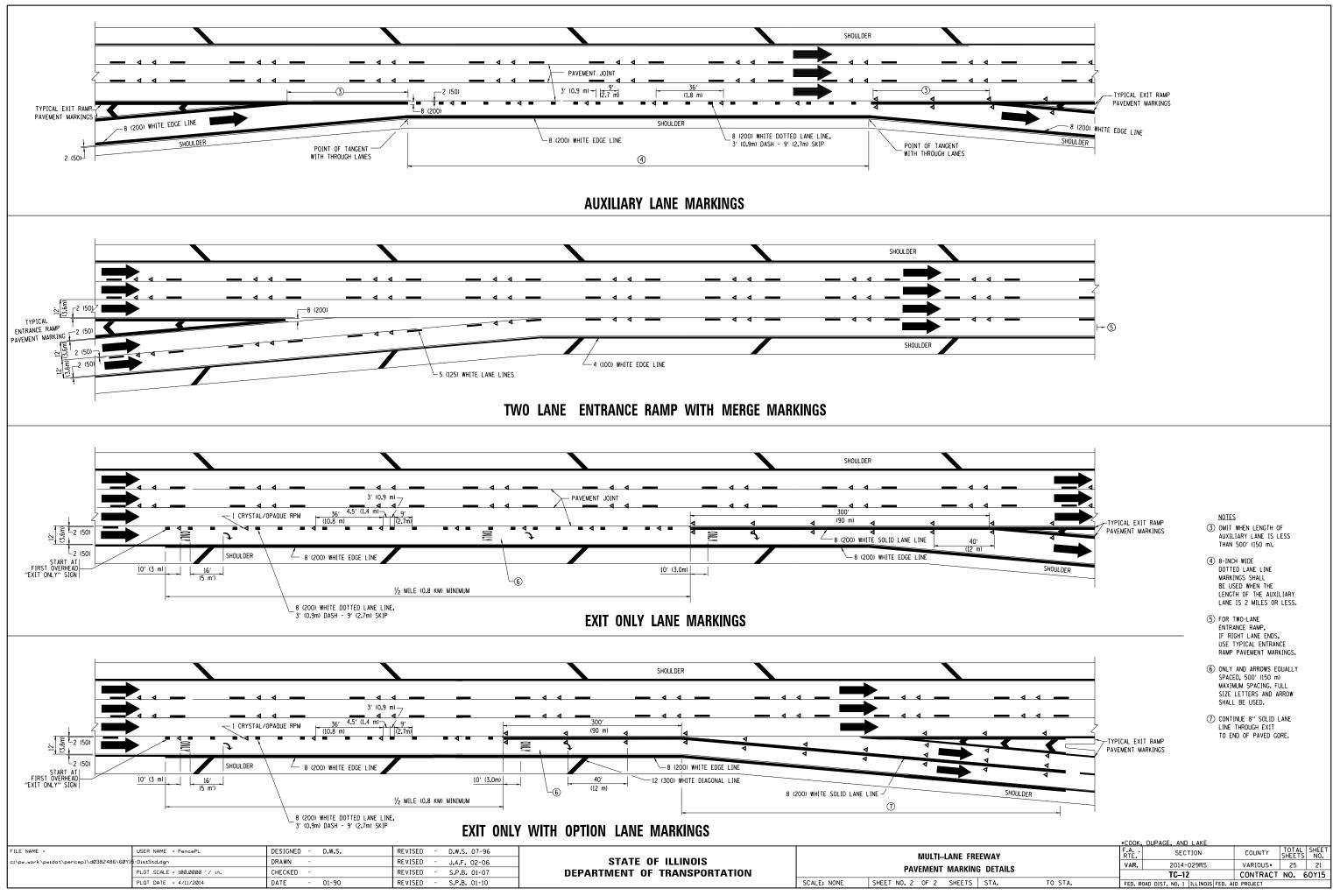
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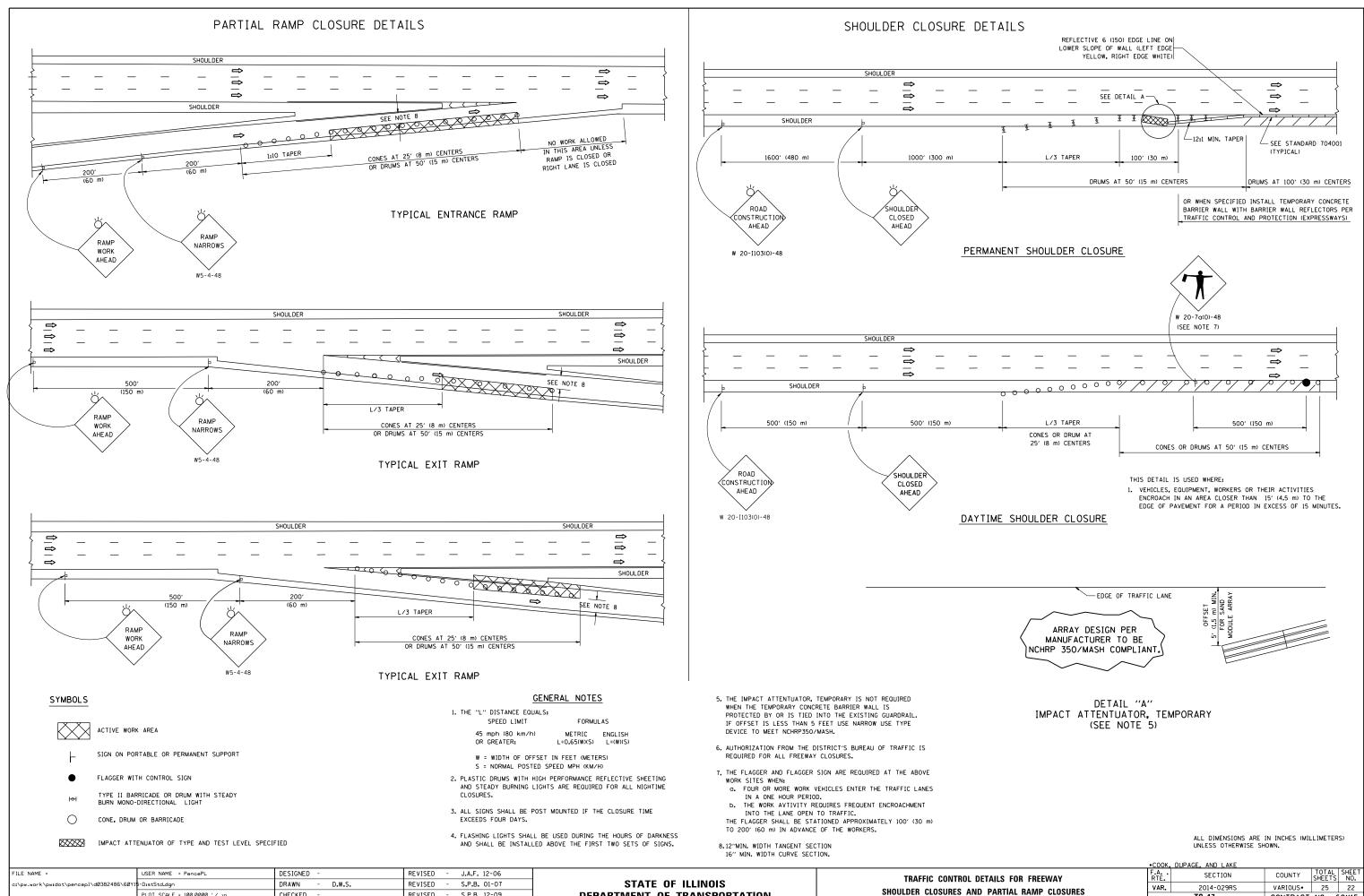
TO STA.

#### ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN COOK, DUPAGE, AND LAKE TOTAL SHEET SHEETS NO. SECTION COUNTY ₹ŤΕ. VAR. 2014-029RS VARIOUS• 25 19 TC--09 CONTRACT NO. 60Y15

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT







TC-17

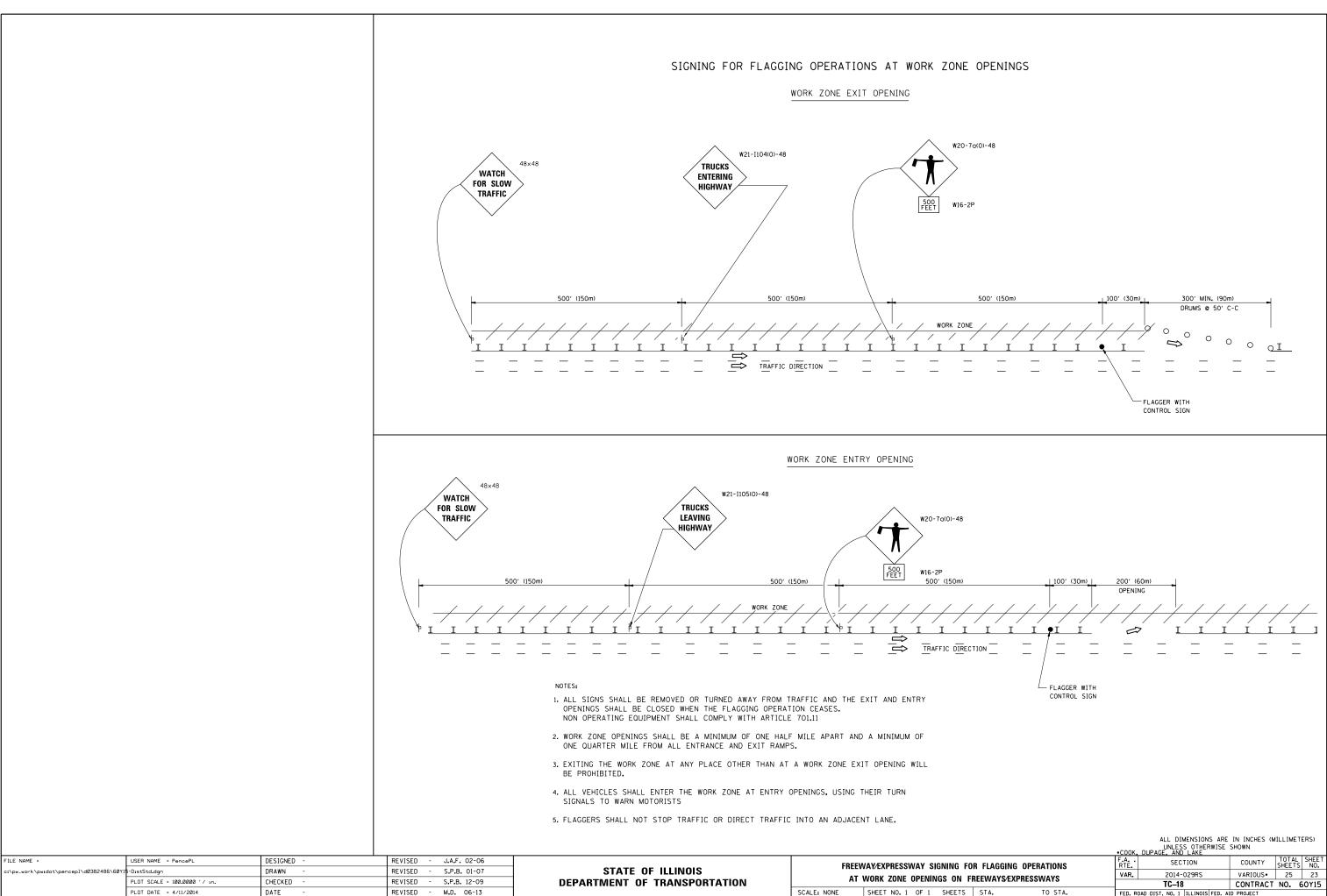
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

STA.

TO STA.

CONTRACT NO. 60Y15

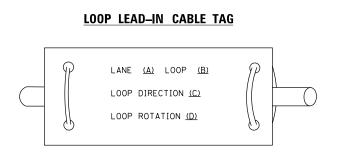
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c:\pw_work\pwidot\pencepl\d0382486\60Y1	5-DistStd.dgn	DRAWN - D.W.S.	REVISED - S.P.B. 01-07	STATE OF ILLINOIS		
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - S.P.B. 12-09	DEPARTMENT OF TRANSPORTATION	9	SHOULDER CLOSURES AND PA
	PLOT DATE = 4/11/2014	DATE - 11-96	REVISED - M.D. 06-13		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS



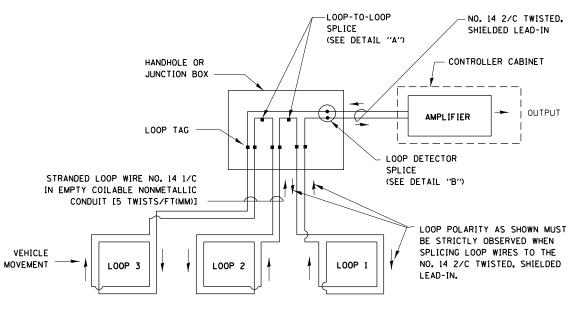
UNLESS OTHERWISE SHOWN •COOK. DUPAGE. AND LAKE									
FOR FLAGGING OPERATIONS FREEWAYS/EXPRESSWAYS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		VAR.	2014-029RS	VARIOUS•	25	23			
	FREEWATS/EAPRESSWATS			TC-18	CONTRACT	NO. (	60Y15		
	STA.	TO STA.	FED. R	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID 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.

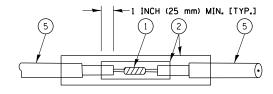


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

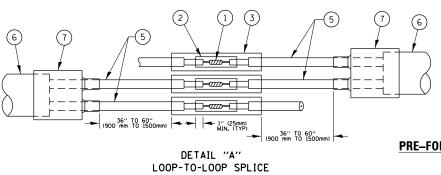


### DETECTOR LOOP WIRING SCHEMATIC

- 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.



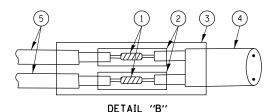
DETAIL "A" LOOP-TO-LOOP SPLICE



## LOOP DETECTOR SPLICE

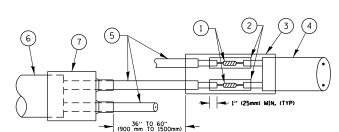
- (1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SUF OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE ST
- (2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER
- (3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER
- (4) NO. 14 2/C TWISTED, SHIELDED CABLE.

							•COOK, DUPAGE	. AND LAKE	
FILE NAME =	USER NAME = PencePL	DESIGNED - DAD	REVISED - DAG 1-1-14			DISTRICT ONE	F.A RTF	SECTION	COUNTY TOTAL SHEET
c:\pw_work\pwidot\pencep1\d0382486\60Y1	5-DistStd.dgn	DRAWN - BCK	REVISED -	STATE OF ILLINOIS	STANDARD TRAFFIC SIGNAL DESIGN DETAILS		VAR.	2014-029RS	VARIOUS• 25 24
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	PLOT DATE = 4/11/2014	DATE - 10-28-09	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS STA. TO STA.	FED. ROAD DIST.	NO. 1 ILLINOIS FED. A	AID PROJECT



LOOP-TO-CONTROLLER SPLICE

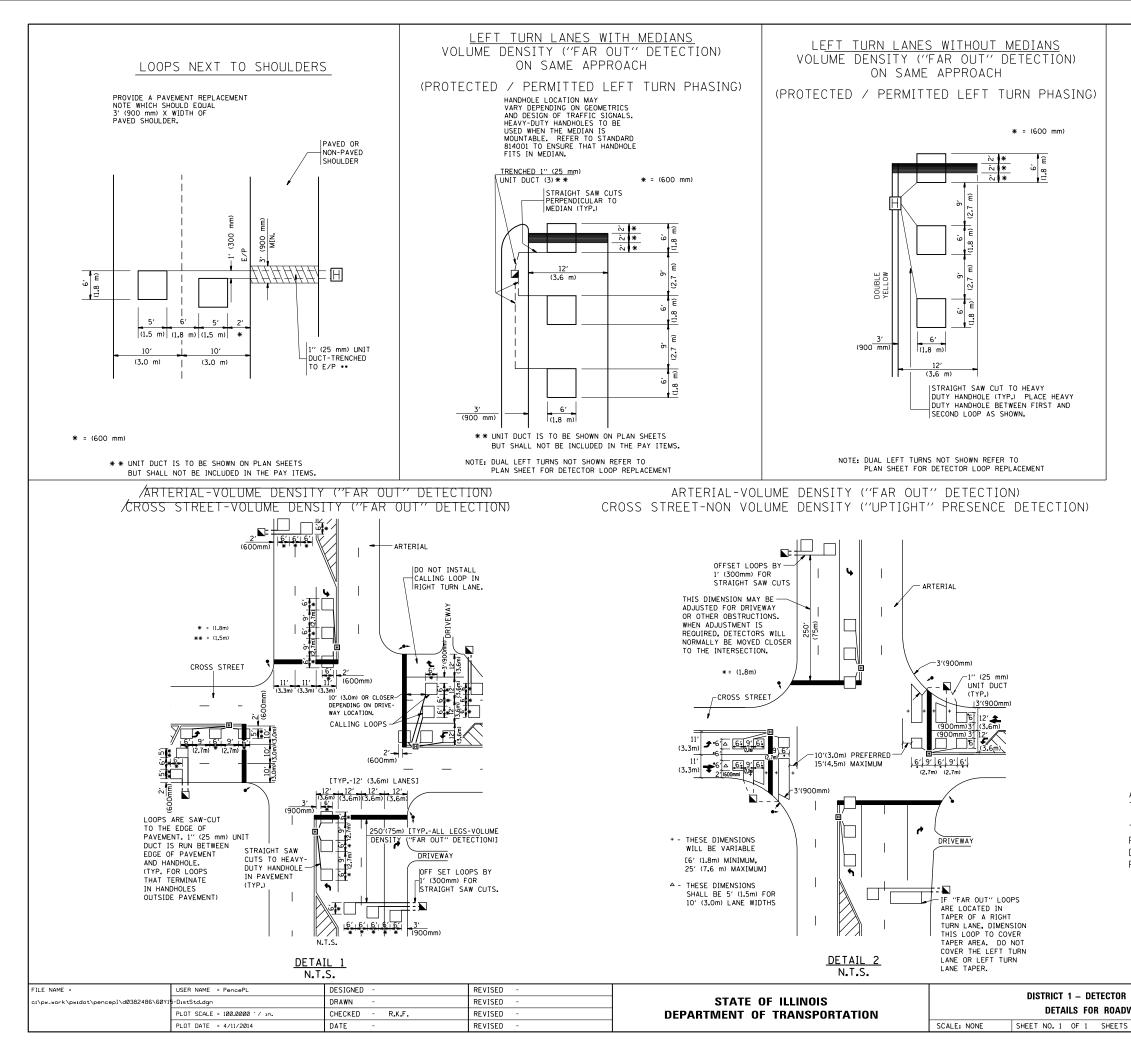
## TYPE I LOOP



## PRE-FORMED LOOP

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

JRFACES	(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
STAGGERED.	6 PRE-FORMED LOOP
R GRADE.	<b>O</b>
R GRADE.	T SEAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL



#### NOTES:

#### VEHICLES LOOP DETECTORS

- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- \* ONE DIMENSION OF <u>ALL</u> 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, <u>MORE</u> 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. <u>EACH</u> ONE OF THESE TYPE OF LOOPS REQUIRES A <u>SEPARATE</u> TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A <u>SEPARATE</u> 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  $\underline{ALL}$  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.

			<ul> <li>COOK,</li> </ul>	DUPAGE, AND LAKE					
LOOP INSTALLATION Way resurfacing		F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		VAR.	2014-029RS	VARIOUS•	25	25			
WAT RESURFACING			_	TS-07	CONTRACT	NO. (	50Y15		
	STA.	TO STA.	FED. R	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					