

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP 322 ROUTE US 51
SECTION 4RS-5
PROJECT ACF-0322 (105)
PATCHING AND RESURFACING
PERRY COUNTY

C-99-039-14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4RS-5	PERRY	24	1
		ILLINOIS	CONTRACT NO. 78413	

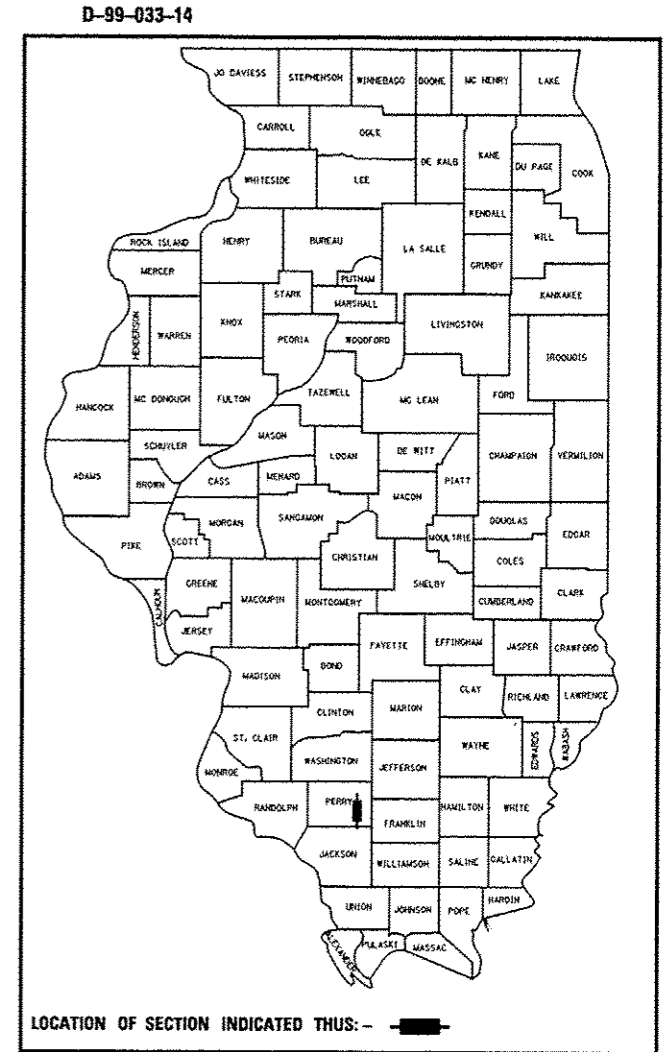
FOR INDEX OF SHEETS, SEE SHEET NO. 3

US 51 (FAP 332)
TRAFFIC DATA
POPLAR ST.

	(2013)	(2034)
PC =	5,420	6,680
SU =	250	310
MU =	130	160
ADT =	5,800	7,150

US 51 (FAP 332)
TRAFFIC DATA
WASHINGTON ST.

	(2013)	(2034)
PC =	12,120	14,935
SU =	500	615
MU =	180	220
ADT =	12,800	15,770

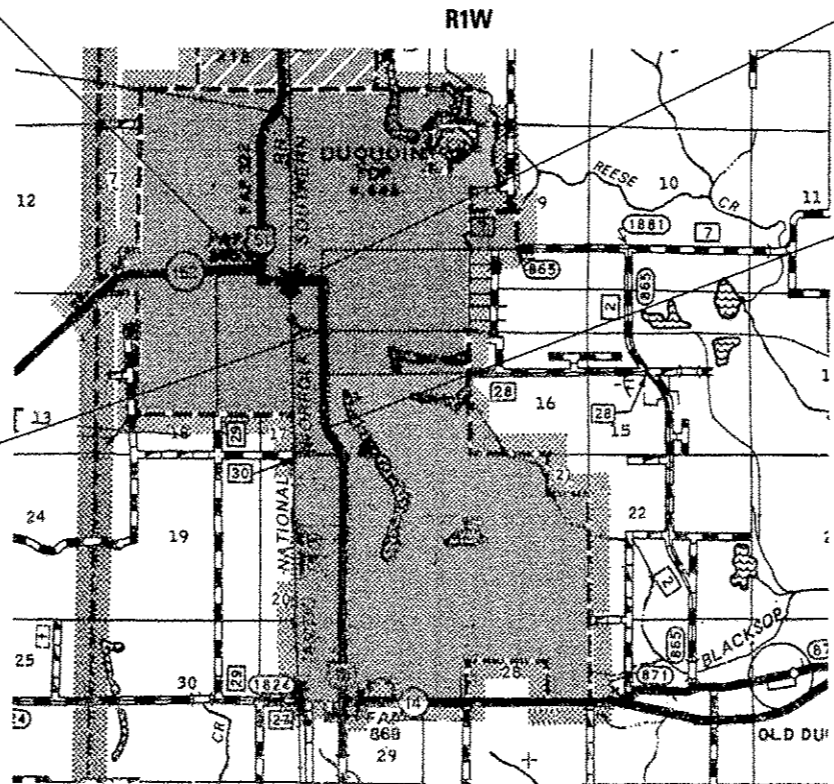


LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

END PROJECT
STA. 100+21
US 51 (HICKORY ST.)

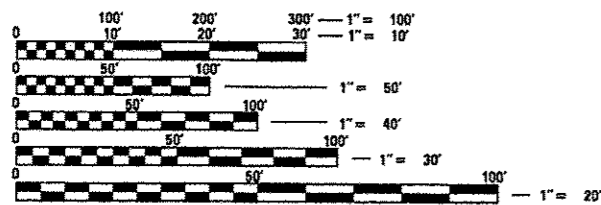
PAVING OMISSION
SN 073-0033
STA. 2+15 TO STA. 16+20

BEGIN PROJECT
STA. 977+00
US 51 (WASHINGTON ST.)



OMISSION
RAILROAD
STA. 1006+39 TO STA. 1006+47

TOWNSHIP: DUQUOIN



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

PROJECT ENGINEER: CHARLES STEIN
DESIGNER: MELISSA COLE

CONTRACT NO. 78413

GROSS LENGTH = 6,515 FT. = 1.2 MILE
NET LENGTH = 5,102 FT. = 0.97 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *March 19 20 2014*

Jeffrey A. Keenan
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 9 20 14
John D. Baranzelli PE
ENGINEER OF DESIGN AND ENVIRONMENT

May 9 20 14
Omer Osman PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

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Examined By: *Carrie Nelson*
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: *K. Kelly*
DISTRICT OPERATIONS ENGINEER

Examined By: *K. R. J.*
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: *D. J. J.*
DISTRICT CONSTRUCTION ENGINEER

Examined By: *Bruce W. Peoples*
DISTRICT MATERIALS ENGINEER

FILE NAME *	USER NAME * #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNATURE SHEET				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
or:\p\work\p\idat\colamm\d0301748\78413	shh-plen.dgn	DRAWN -	REVISED -						322	4RS-5	PERRY	24	2
MODELNAME	PLOT SCALE * 100,0000 * / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 78413				
	PLOT DATE * 3/14/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS AND STANDARDS
4	GENERAL NOTES
5	MIX DESIGN
6-8	SUMMARY OF QUANTITIES
9	PROJECT PAVING LIMITS
10-13	TYPICAL SECTIONS
14	PAVEMENT SCHEDULE
15	PAVEMENT MARKING SCHEDULE
16-21	PAVEMENT MARKING DETAILS
22-23	DETECTOR LOOP DETAILS
24	UNEVEN LANES, ROUGH GROOVED SURFACE, AND TEMPORARY HMA TRANSITIONS DETAILS

STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-03	CLASS C AND D PATCHES
701101-04	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS-DAY ONLY
701427-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS * 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701602-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-03	TRAFFIC CONTROL DEVICES
780001-04	TYPICAL PAVMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS

FILE NAME *	USER NAME * #USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS AND HIGHWAY STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\colonn\0301740\78413	sh-pian.dgn	DRAWN -	REVISED -			322	4RS-5	PERRY	24	3	
MODELNAME*	PLOT SCALE * 1/8"=1'-0"	CHECKED -	REVISED -			CONTRACT NO. 78413					
	PLOT DATE * 3/19/2014	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

GENERAL NOTES

THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES.

ALL HOT-MIX ASPHALT	2.016 TON/CU YD
ALL AGGREGATE	2.05 TON/CU YD

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF A DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN 2,000 FT., THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE ADJACENT LANE ON THE FOLLOWING WORK DAY. PRIOR TO WINTER SHUT DOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE HMA SURFACE REMOVAL, SURFACE COURSE, AND BINDER COURSE.

QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT OF PATCHING REQUIRED SHALL BE DETERMINED BY THE ENGINEER.

THE CONTRACTOR SHALL STAMP STATIONING IN THE HOT-MIX ASPHALT SURFACE AT 300 FT. INTERVALS ALTERNATING SIDES ON THE OUTSIDE EDGE OF PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 IN. TALL OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

ATTAINMENT OF PROPER CROWN OR SUPERELEVATION SHALL BE FULLY ACCOMPLISHED WITH THE HOT-MIX ASPHALT SURFACE REMOVAL OR HOT-MIX ASPHALT BINDER COURSE, WHEN SPECIFIED.

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

IN ADDITION TO THE REQUIREMENTS OF ARTICLE 107.16 THE CONTRACTOR SHALL PROTECT THE SURFACE OF ALL BRIDGE DECKS AND BRIDGE APPROACH PAVEMENTS IN A MANNER SATISFACTORY TO THE ENGINEER BEFORE ANY EQUIPMENT IS ALLOWED TO CROSS THE STRUCTURE. PROTECTION SHALL BE PROVIDED FOR ALL EQUIPMENT AS DEFINED IN ARTICLE 101.17 REGARDLESS IF TRACK MOUNTED OR WHEELED.

THE LOCATION OF THE DETECTOR LOOPS, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER OF TRAFFIC OPERATIONS.

DETECTOR LOOP WIRE SHALL BE PLACED IN THE EXISTING CONDUIT FROM THE LOOP SAWCUT TO THE SPLICE POINT AT THE EXISTING HANDHOLE.

ALL DETECTOR LOOPS SHALL BE INSTALLED PRIOR TO RESURFACING.

VIBRATORY ROLLERS WILL NOT BE ALLOWED FOR THIS PROJECT.

COMMITMENTS: NONE

FILE NAME *	USER NAME * colems	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE * 3/20/2014	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

MIX DESIGN

Location(s):	Hot-Mix Asphalt Surface Course
Mixture Use(s)	Polymerized Hot-Mix Asphalt Surface Course, Mix D, N90
AC/PG	SBS PG76-22
RAP% (Max):	See Special Provision
Design Air Voids:	4.0%, 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5 mm
Friction Aggregate:	D Surface
Quality Management Program:	QCP

Location(s):	Hot-Mix Asphalt Leveling Binder Course
Mixture Use(s)	Polymerized Hot-Mix Asphalt Leveling Binder Course, N90, IL-9.5mm Fine-Graded
AC/PG	SBS PG76-22
RAP% (Max):	See Special Provision
Design Air Voids:	4.0%, 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5 mm Fine-Graded
Friction Aggregate:	None
Quality Management Program:	QCP

Location(s):	Pavement Patching
Mixture Use(s)	Hot-Mix Asphalt Binder Course, N90, IL-19.0 mm Fine Grade
AC/PG	PG64-22
RAP% (Max):	See Special Provision
Design Air Voids:	4.0%, 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0 mm Fine Grade
Friction Aggregate:	None
Quality Management Program:	QC/OA

FILE NAME :	USER NAME : *USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MIX DESIGN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	FL0T DATE = 3/19/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

FUNDING:	80% FED 20% STATE
LOCATION:	URBAN
ROUTE:	FAP 322 US 51
TOTAL QUANTITY	ROADWAY 0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY
40600909	POLYMERIZED LEVELING BINDER (MACHINE METHOD), 1L-9.5FC, N90	TON	1396	1396
40600990	TEMPORARY RAMP	SQ YD	213	213
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	2792	2792
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	33242	33242
44200132	PAVEMENT PATCHING, TYPE II, 11 INCH	SQ YD	210	210
44200136	PAVEMENT PATCHING, TYPE III, 11 INCH	SQ YD	22	22
44200138	PAVEMENT PATCHING, TYPE IV, 11 INCH	SQ YD	552	552
67100100	MOBILIZATION	L SUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5038	5038

SUMMARY OF QUANTITIES - CONT

FUNDING:	80% FED 20% STATE
LOCATION:	URBAN
ROUTE:	FAP 322 US 51
TOTAL QUANTITY	ROADWAY 0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	919	919
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	15327	15327
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	276	276
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	311	311
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	8468	8468
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	919	919
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	15327	15327
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	276	276
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	311	311
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	354	354
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	354	354
* 88600100	DETECTOR LOOP, TYPE I	FOOT	957	957
X4060115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	POUND	2493	2493

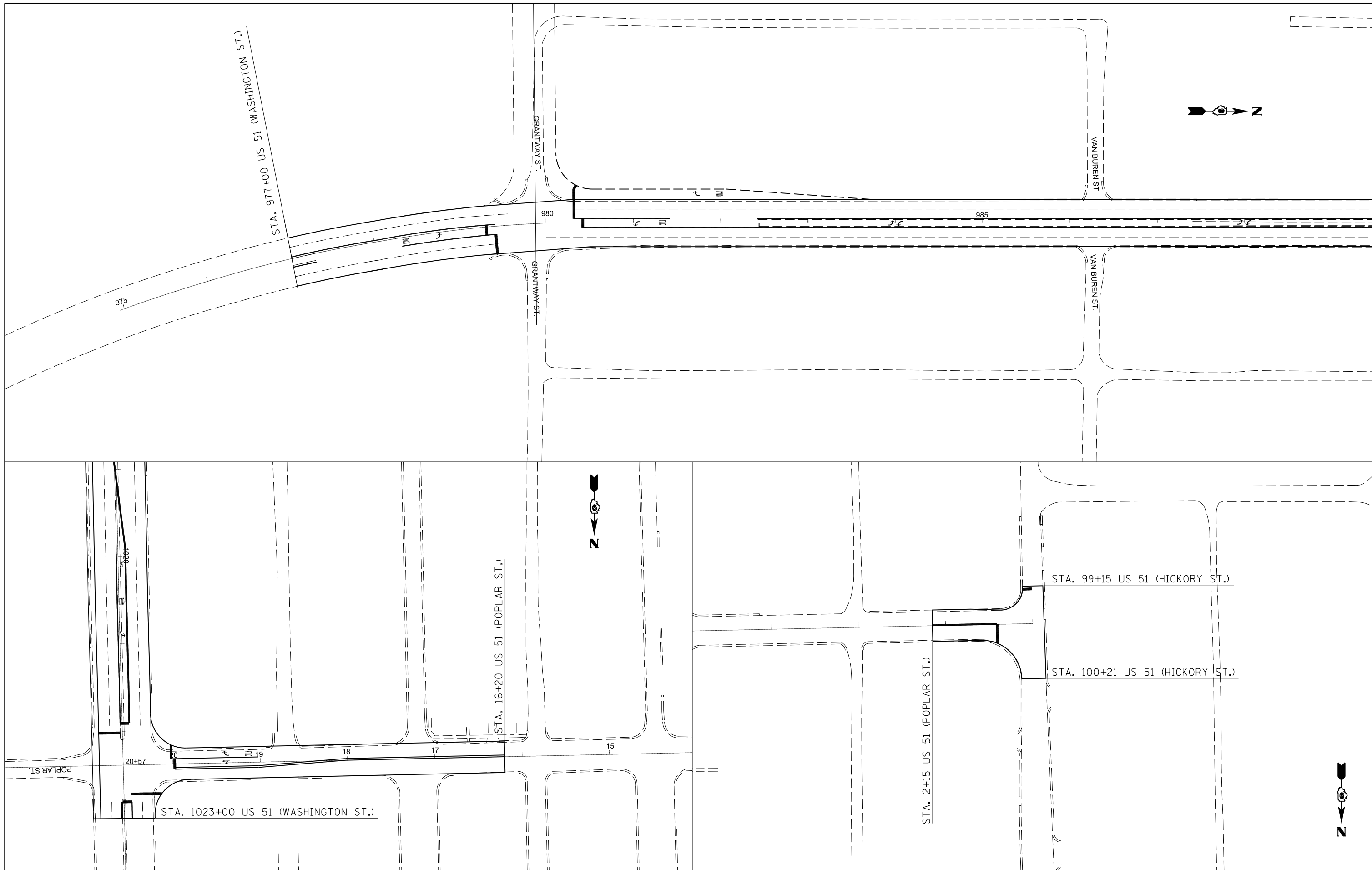
* SPECIALTY ITEM

SUMMARY OF QUANTITIES - CONT

FUNDING:	80% FED 20% STATE
LOCATION:	URBAN
ROUTE:	FAP 322 US 51
TOTAL QUANTITY	ROADWAY 0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY
Z0034105	MATERJAL TRANSFER DEVICE	TON	2592	2592
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1

2

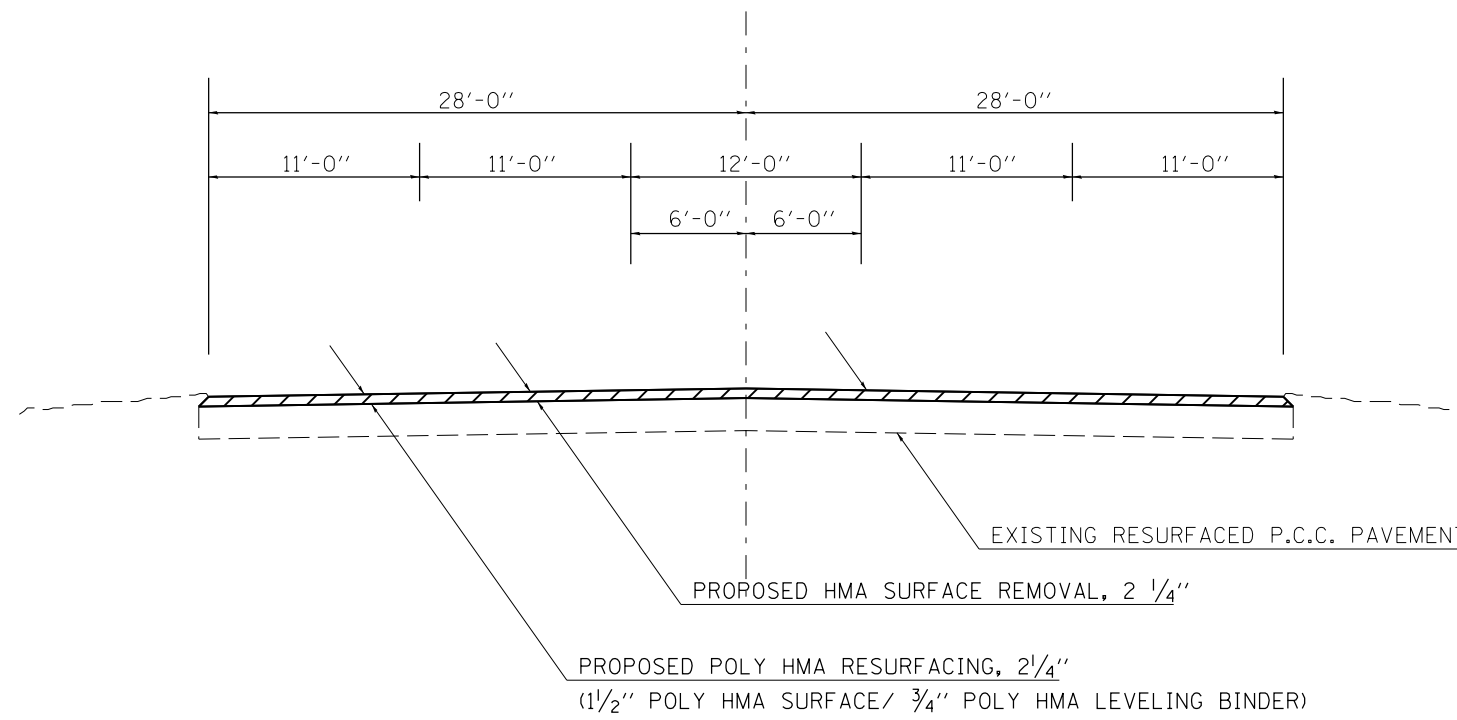


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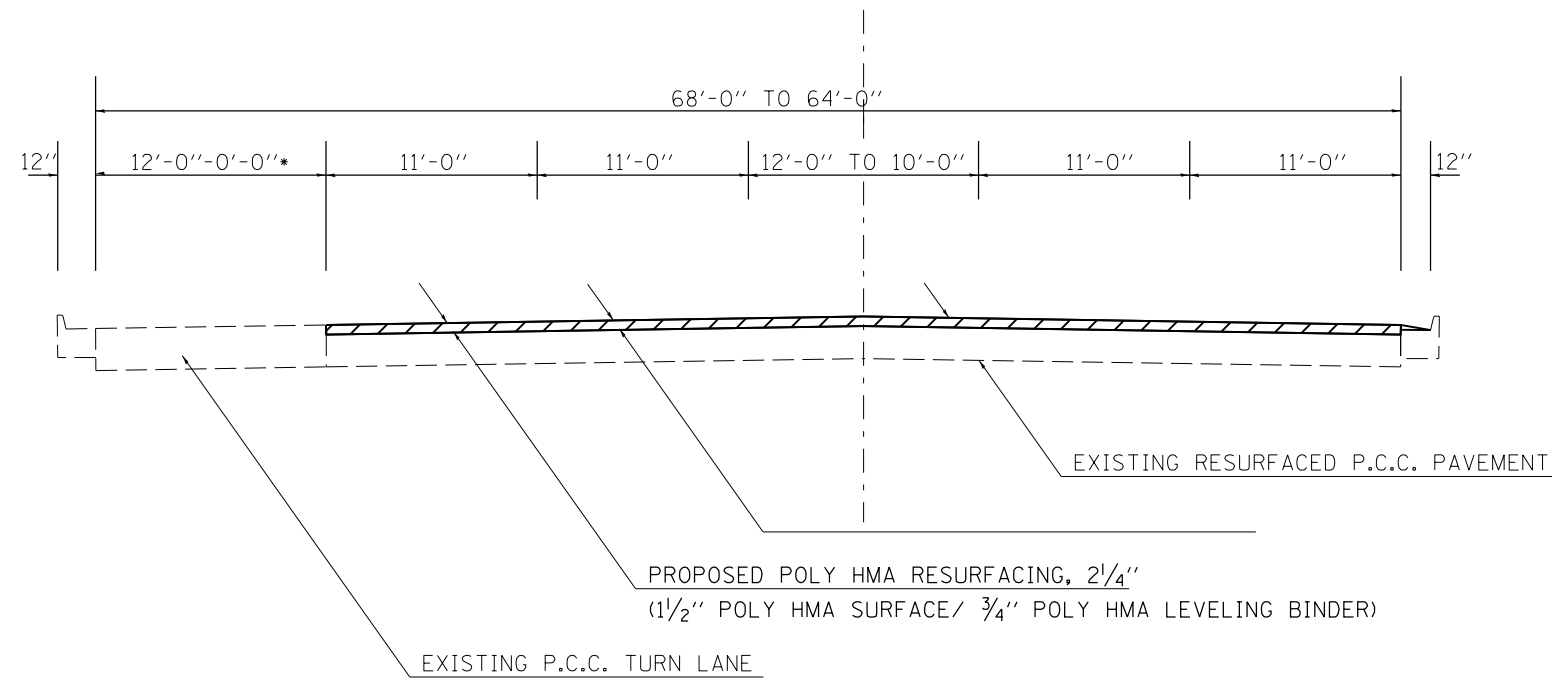
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROJECT PAVING LIMITS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 322	SECTION 4RS-5	COUNTY PERRY	TOTAL SHEETS 24	SHEET NO. 9
ILLINOIS FED. AID PROJECT				CONTRACT NO. 78413



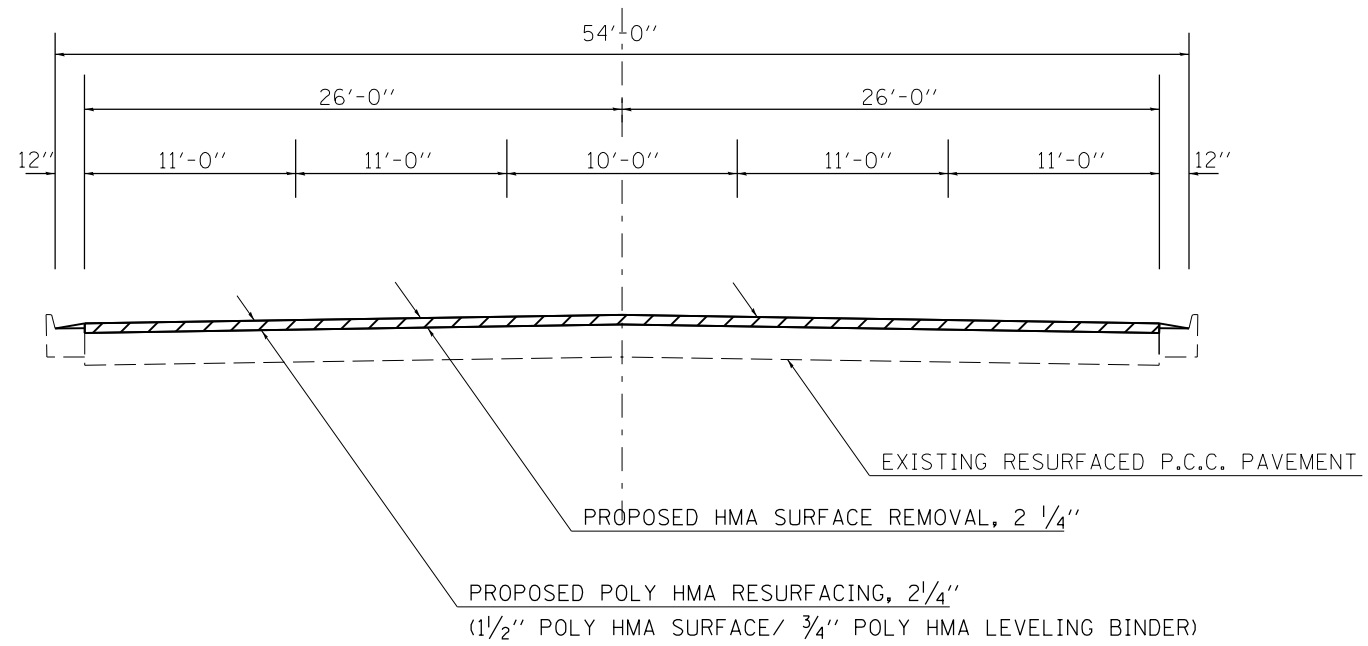
TO BE USED:
STA. 977+00 TO STA. 980+00



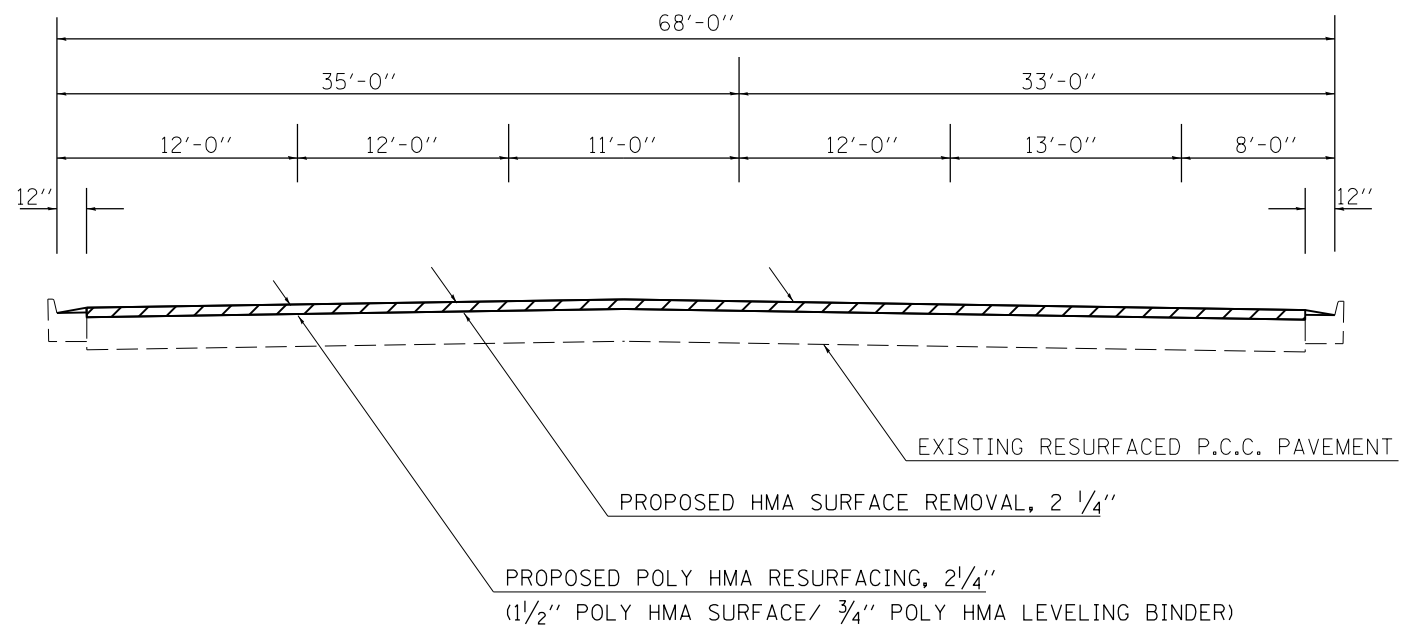
TO BE USED:
STA. 980+00 TO STA. 983+71

* TAPERS FROM 12'-0" TO 0'-0" FROM STA. 982+07 TO STA. 983+71

FILE NAME =	USER NAME = \$USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION US 51 (WASHINGTON ST.)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
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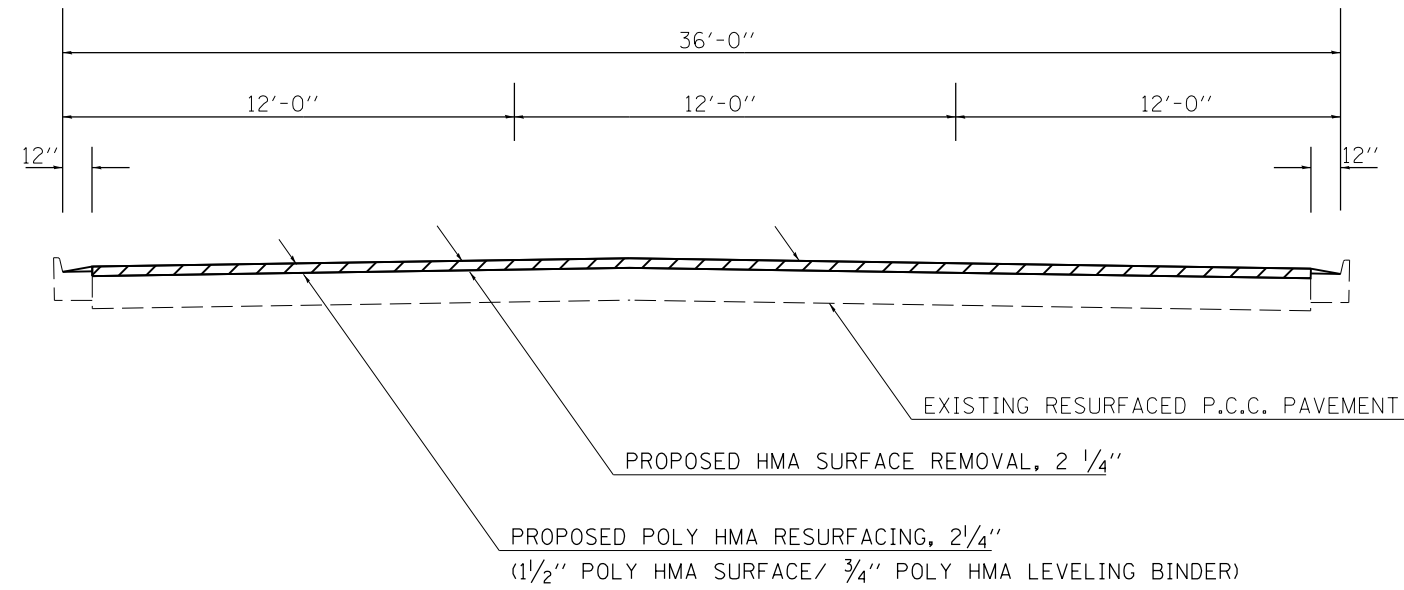


TO BE USED:
 STA. 983+71 TO STA. 1006+39
 RAILROAD OMISSION STA. 1006+39 TO 1006+47

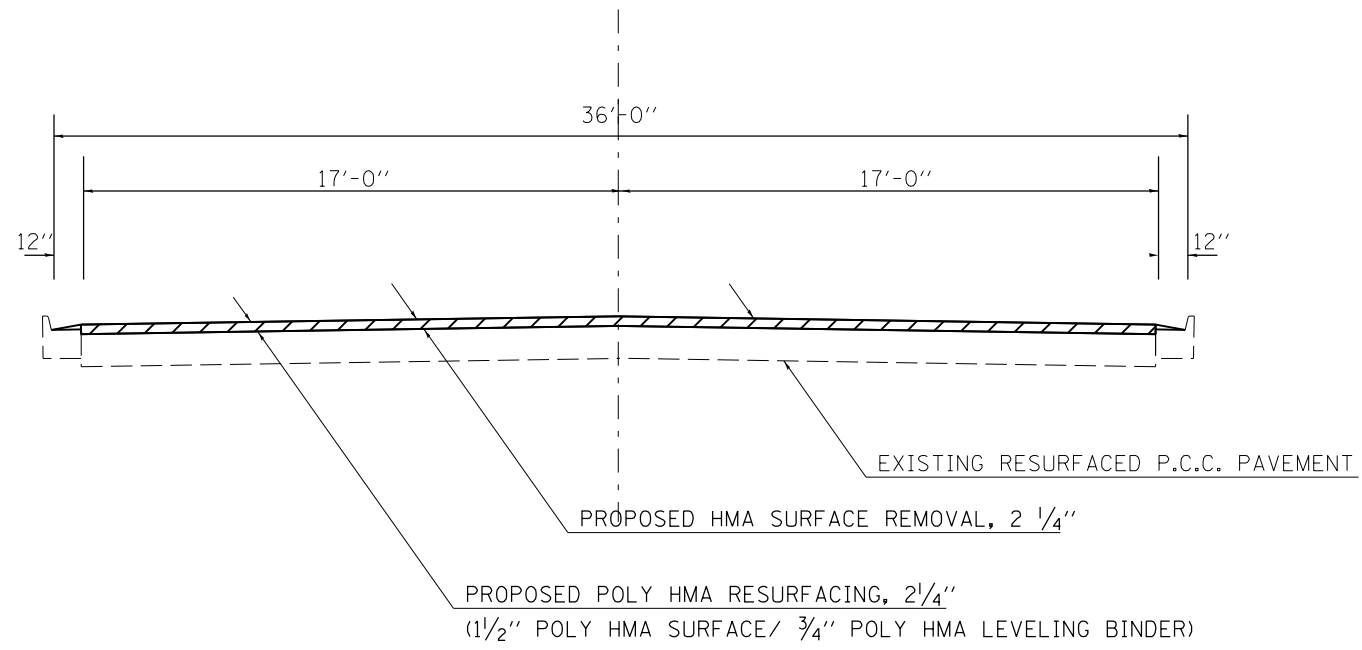


TO BE USED:
 STA. 1006+47 TO 1023+00

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	PLOT DATE = 3/19/2014	DATE -	REVISED -								ILLINOIS FED. AID PROJECT				



TO BE USED:
STA. 19+02 TO STA. 20+57



TO BE USED:
STA. 16+20 TO STA. 19+02
END TO STA. 2+15

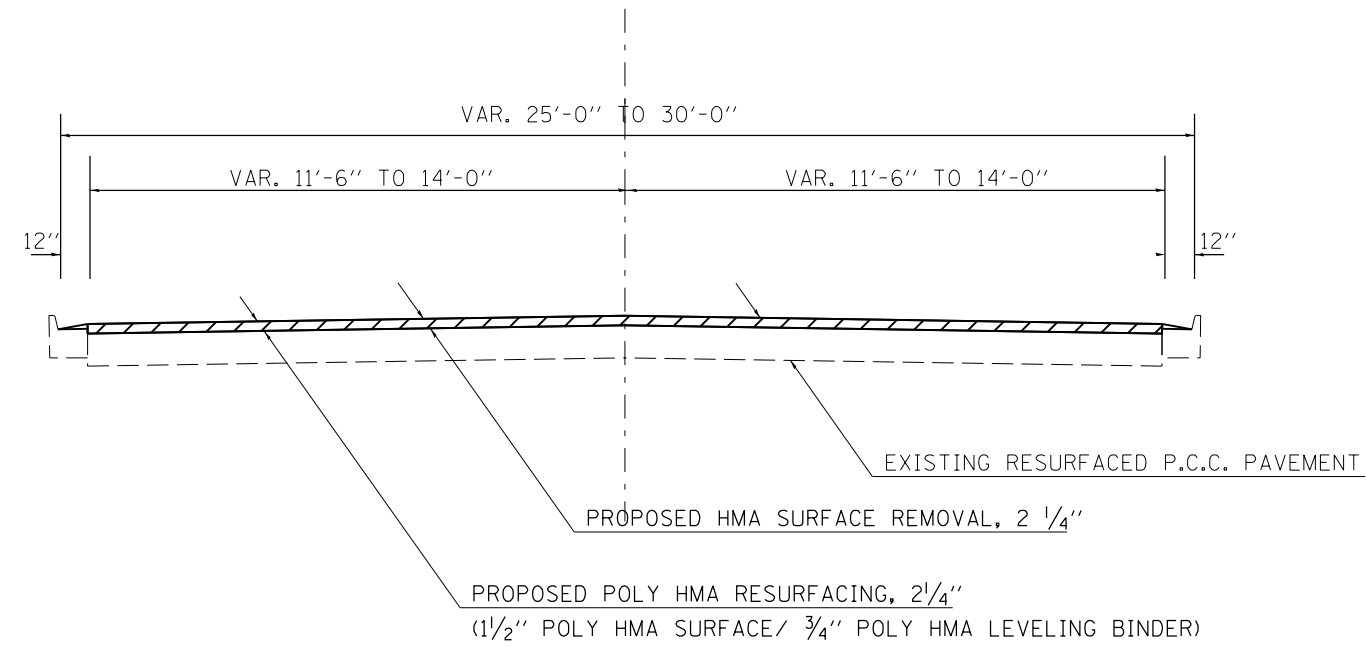
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	PLOT DATE = 3/19/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTION
US 51 (POPLAR ST.)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4RS-5	PERRY	24	12
CONTRACT NO.			78413	
ILLINOIS FED. AID PROJECT				



TO BE USED:
 STA. 99+15 TO STA. 100+21

FILE NAME =	USER NAME = \$USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION US 51 (HICKORY ST.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pw\work\p\dot\colemm\d0381748\78413	sh-t-plan.dgn	DRAWN -	REVISED -			322	4RS-5	PERRY	24	13	
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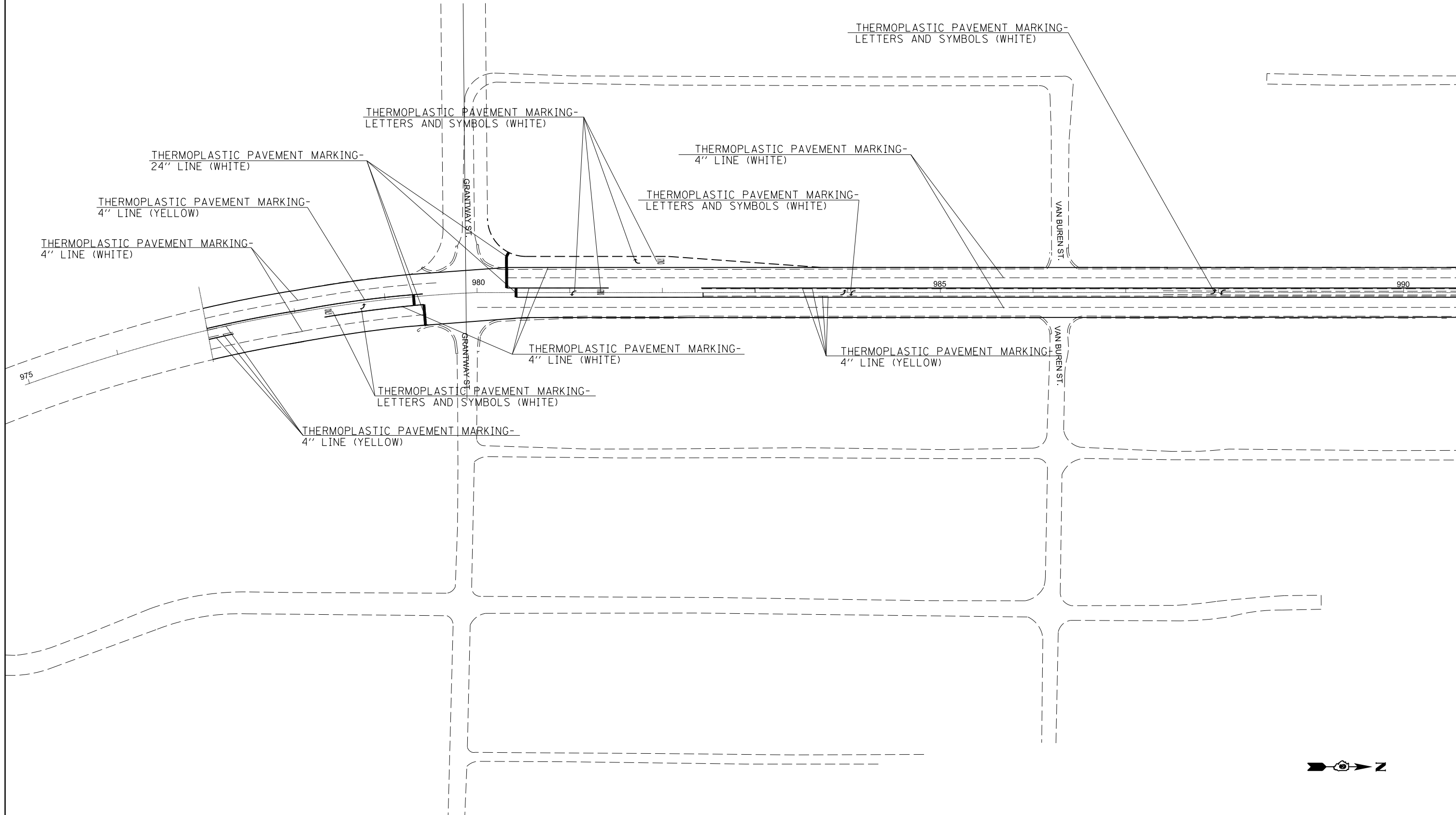
PAVEMENT SCHEDULE

STATION TO STATION			POLY BITUMINOUS MATERIALS (PRIME COAT)	HMA SURFACE REMOVAL 2 1/4"	POLY HMA SURFACE COURSE, MIX "D", N90	POLY HMA LEVELING BINDER COURSE, N90 FG	MATERIAL TRANSFER DEVICE	TEMPORARY RAMP
			GALLON	SQ YD	TON	TON	TON	SQ YD
US 51 (WASHINGTON ST.)								
977+00.00	TO	980+00.00	140.0	1867	156.8	78.4	156.8	32.0
980+00.00	TO	983+71.00	167.0	2226	187.0	93.5	187.0	
983+71.00	TO	1006+39.00	1020.6	13608	1143.1	571.5	1143.1	
1006+39.00	TO	1006+47.00	RR OMISSION					
1006+47.00	TO	1023+00.00	986.6	13154	1105.0	552.5	1105.0	38.0
US 51 (POPLAR ST.)								
20+24.00	TO	19+02.00	36.6	488	41.0	20.5		
19+02.00	TO	16+20.00	84.6	1128	94.8	47.4		20.0
16+20.00	TO	2+15.00	OMISSION					
2+15.00	TO	1+58.00	17.1	228	19.2	9.6		20.0
1+58.00	TO	1+12.00	18.1	241	20.2	10.1		
US 51 (HICKORY ST.)								
99+15.00	TO	100+21.00	22.6	302	25.4	12.7		31.0
TOTAL			2493	33242	2792	1396	2592	141

PAVEMENT MARKING SCHEDULE

STATION TO STATION			THERMOPLASTIC PAVEMENT MARKING							SHORT TERM PAVEMENT MARKING*	WORK ZONE PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKERS	RAISED REFLECTIVE PAVEMENT MARKERS REMOVAL
			LINE 4"				LINE 6"	LINE 24"	LETTERS & SYMBOLS				
			SKIP DASH WHITE	SKIP DASH YELLOW	SOLID YELLOW	SOLID WHITE	SOLID WHITE	SOLID WHITE					
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT					
US 51 (WASHINGTON ST.)													
977+00.00	TO	980+00.00	128	14	418	109		34	36.4	232.9	405	22	22
980+00.00	TO	983+71.00	178	64.3	459.6	449		49	72.8	442.1	702	30	30
983+71.00	TO	990+00.00	314.2	314.2	1256.6				62.4	685.6	919	44	44
990+00.00	TO	998+00.00	400.0	400.0	1600.0				93.6	872.7	1185	60	60
998+00.00	TO	1004+00.00	300.0	300.0	1200.0				62.4	654.5	881	44	44
1004+00.00	TO	1006+40.00	125.0	125.0	500.0			44.0	153.6	272.7	583	16	16
1006+40.00	TO	1006+47.00	RR OMISSION										
1006+47.00	TO	1009+00.00	123.0	123.0	492.0			44.0	153.6	268.4	577	16	16
1009+00.00	TO	1013+00.00	200.0	20.0	1135.1	100	138		67.6	491.2	785	27	27
1013+00.00	TO	1017+87.00	203.1		823.6	300.00	138		72.8	415.9	723	36	36
1017+87.00	TO	1023+00.00	785.0		838.0	319.00		81	81.5	428.2	1034	40	40
US 51 (POPLAR ST.)													
20+24.00	TO	16+20.00			756.4	100.0		28.0	62.4	233.7	482	15	15
16+20.00	TO	2+15.00	OMISSION										
2+15.00	TO	1+12.00			206.0			20.0			109	2	2
US 51 (HICKORY ST.)													
99+15.00	TO	100+21.00			148.0			11		40.4	85	2	2
TOTAL			2756	1361	9833	1377	276	311	919	5038	8468	354	354
			15327										

•ONE APPLICATION EACH FOR HMA SURFACE REMOVAL, BINDER, AND SURFACE

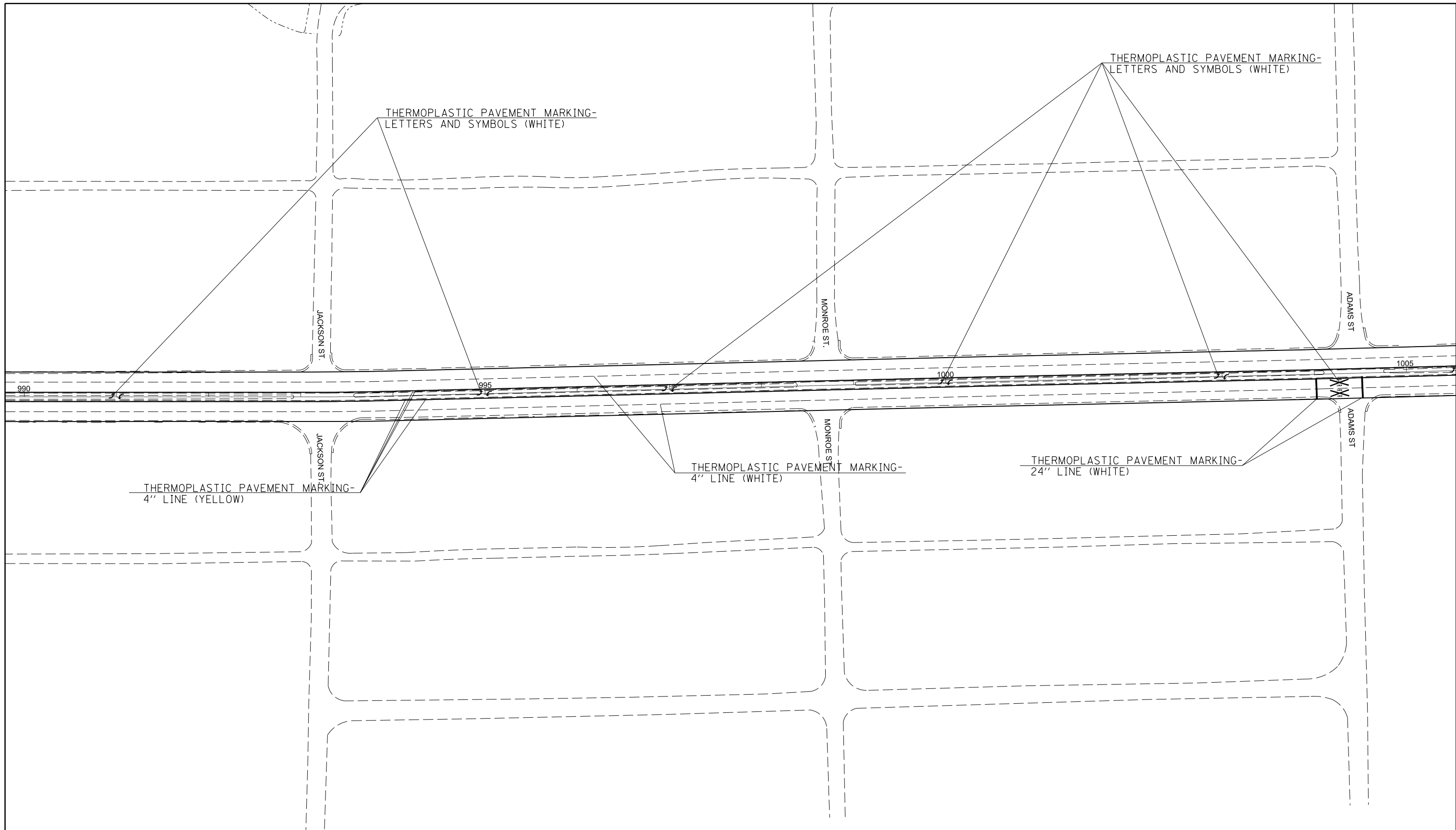


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAIL			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4RS-5	PERRY	24	16
CONTRACT NO. 78413			ILLINOIS FED. AID PROJECT	



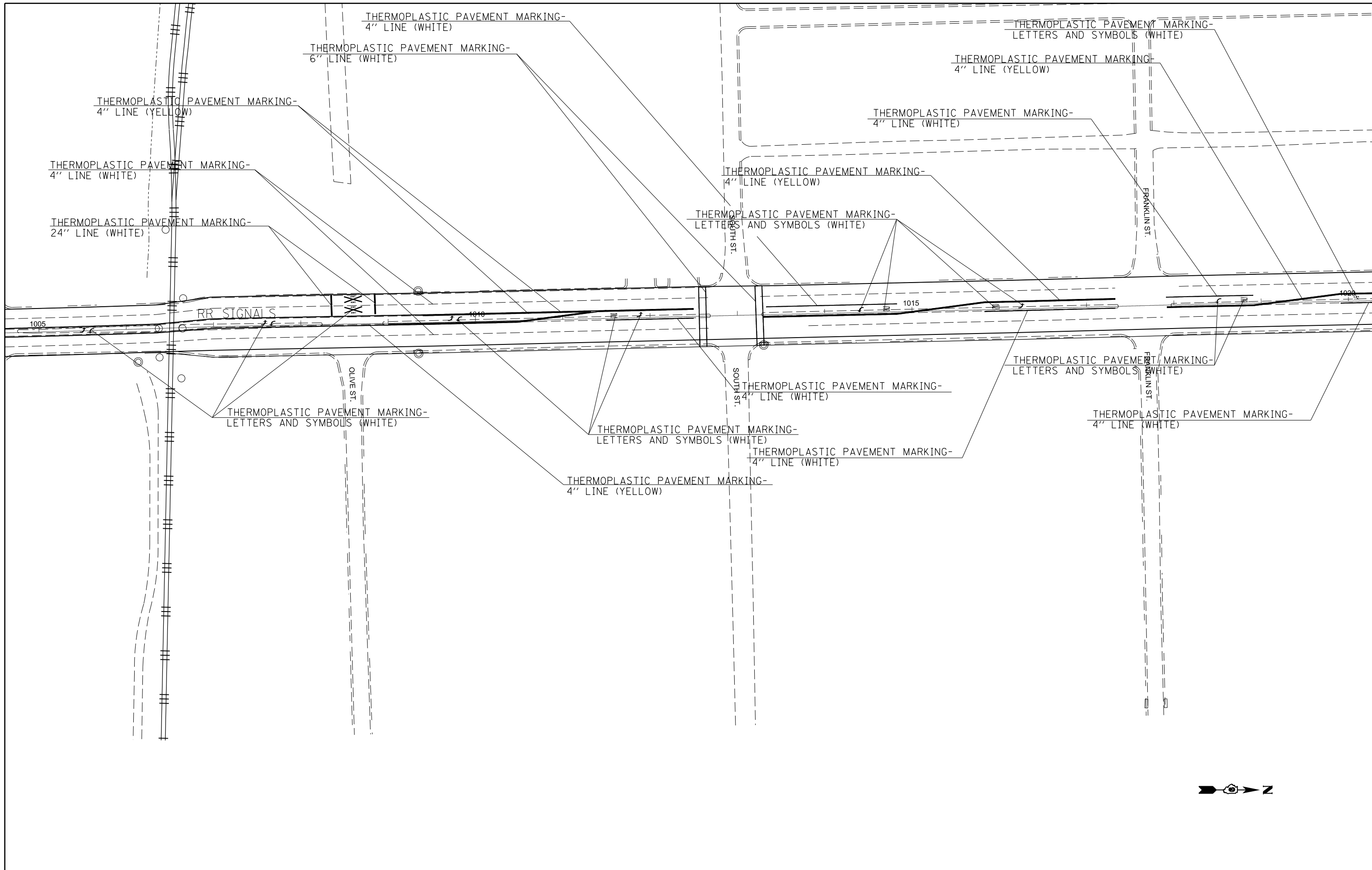
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	PLOT DATE = 3/19/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4RS-5	PERRY	24	17
CONTRACT NO. 78413			ILLINOIS FED. AID PROJECT	

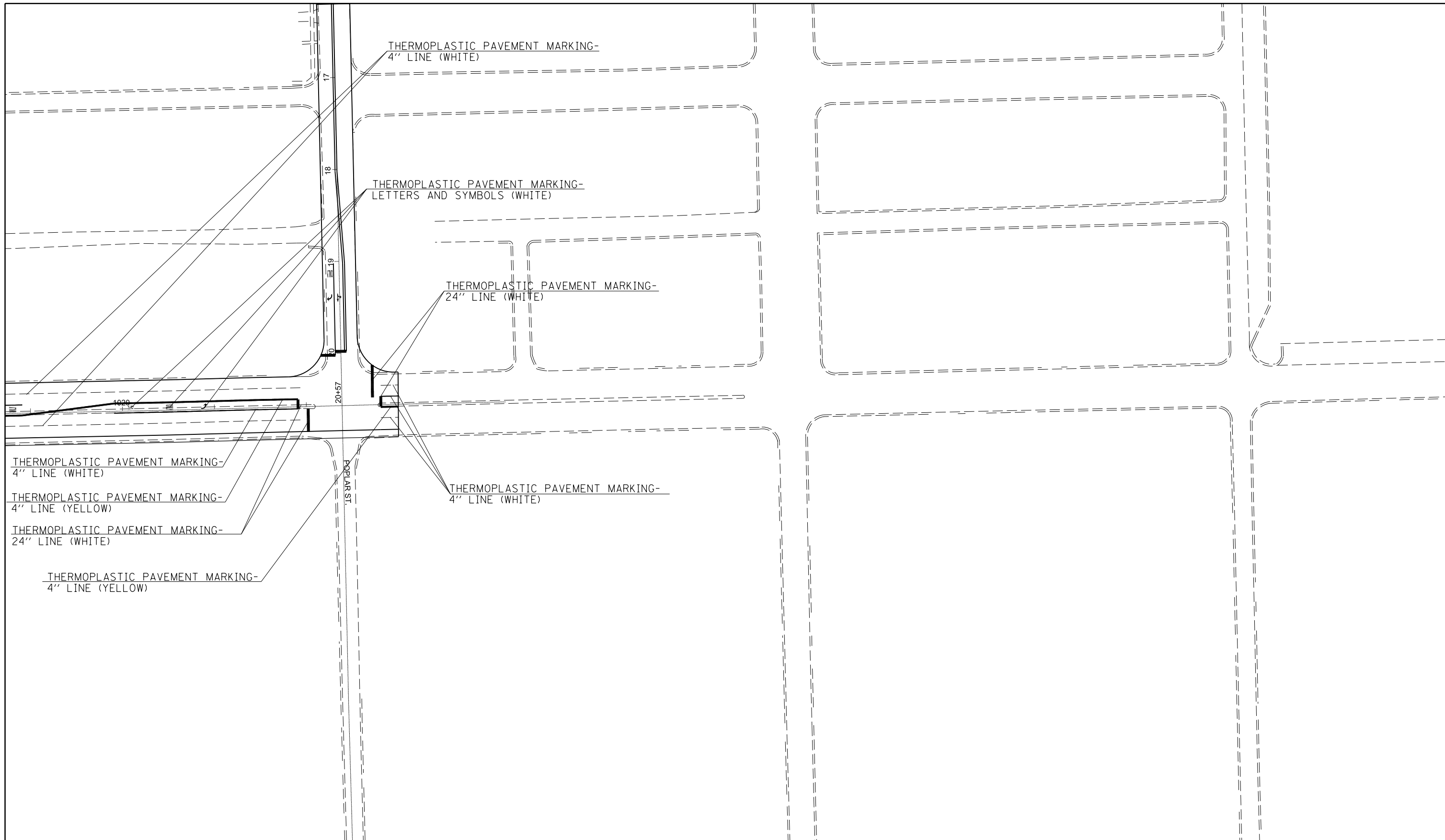


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAIL			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 322	SECTION 4RS-5	COUNTY PERRY	TOTAL SHEETS 24	SHEET NO. 18
CONTRACT NO. 78413				
ILLINOIS FED. AID PROJECT				



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4RS-5	PERRY	24	19
CONTRACT NO. 78413			ILLINOIS FED. AID PROJECT	



THERMOPLASTIC PAVEMENT MARKING-
4" LINE (WHITE)

THERMOPLASTIC PAVEMENT MARKING-
LETTERS AND SYMBOLS (WHITE)

THERMOPLASTIC PAVEMENT MARKING-
24" LINE (WHITE)

THERMOPLASTIC PAVEMENT MARKING-
4" LINE (YELLOW)

POPLAR ST.

20+57

19

18

17

15

SIG

RR

SIG

RR

SIG

RR



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 322	SECTION 4RS-5	COUNTY PERRY	TOTAL SHEETS 24	SHEET NO. 20
CONTRACT NO. 78413			ILLINOIS FED. AID PROJECT	

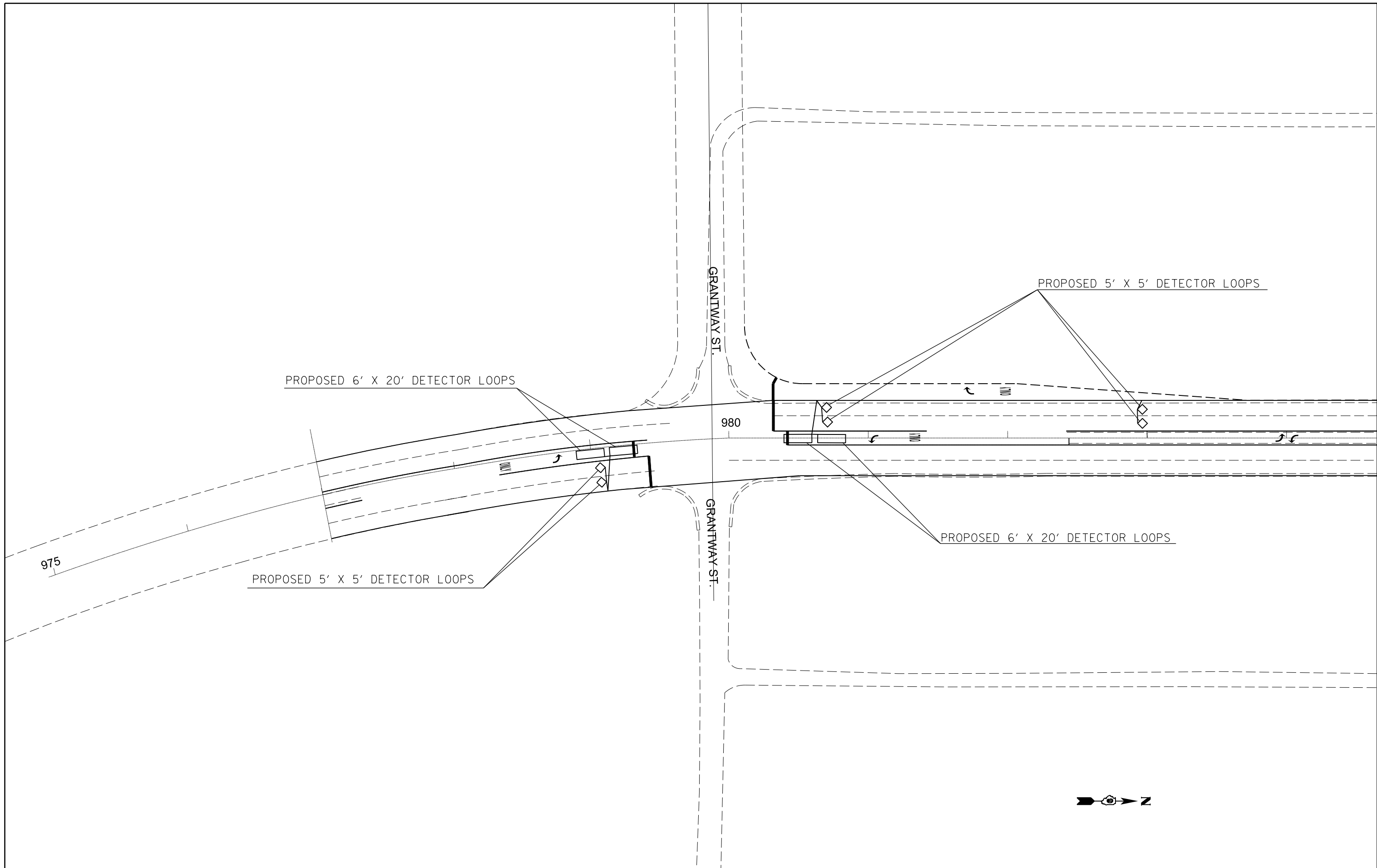


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAIL			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4RS-5	PERRY	24	21
CONTRACT NO.			78413	
ILLINOIS FED. AID PROJECT				



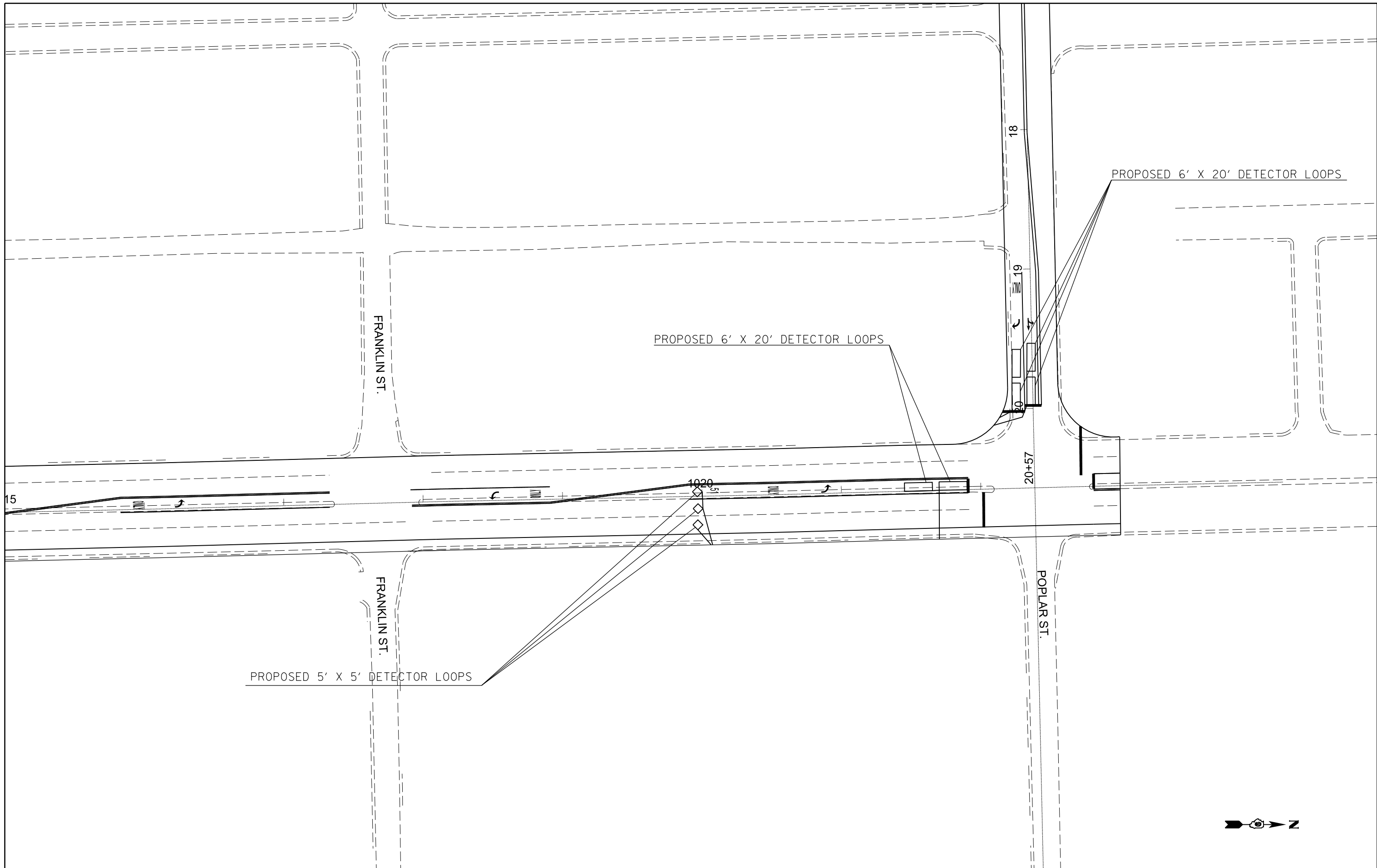
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	PLOT DATE = 3/19/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4RS-5	PERRY	24	22
CONTRACT NO.			78413	
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
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	PLOT DATE = 3/19/2014	DATE -	REVISED -

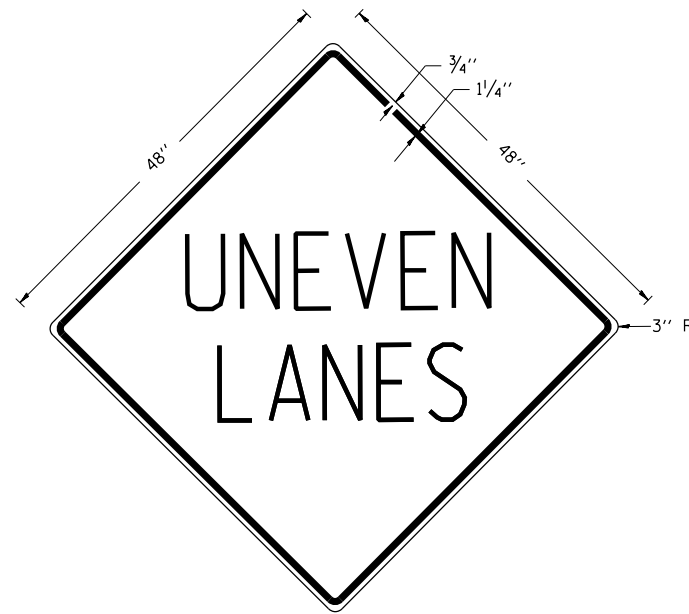
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP DETAIL				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4RS-5	PERRY	24	23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78413	

UNEVEN LANES SIGN

W8-11 (48" x 48")



COLORS:

LEGEND AND BORDER - BLACK NON-REFLECTORIZED
BACKGROUND - ORANGE REFLECTORIZED

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

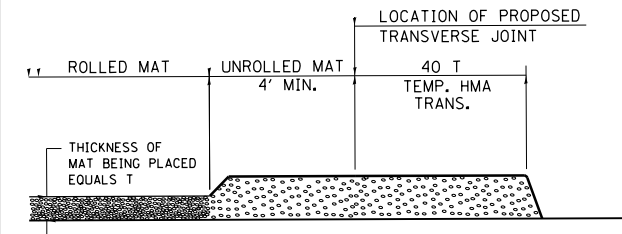
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS	
DRAWN	2-15-89
REVISED	4-06-93
REDESIGNED	7-23-04
RESIZED	5-08-08
REVIEWED	5-17-13

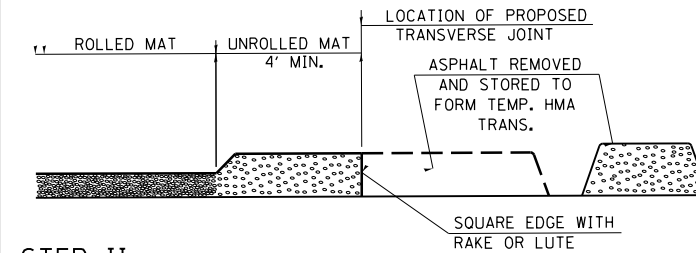
STD. 9-41

TEMPORARY HOT-MIX ASPHALT TRANSITIONS



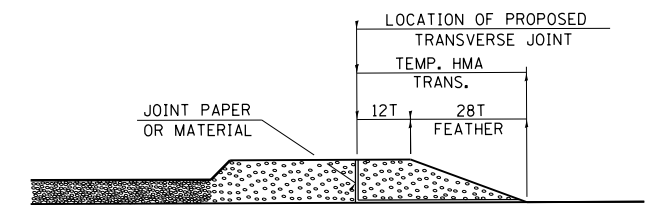
STEP I

1. PLACE HOT-MIX ASPHALT MAT, LENGTH 40 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.
2. EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



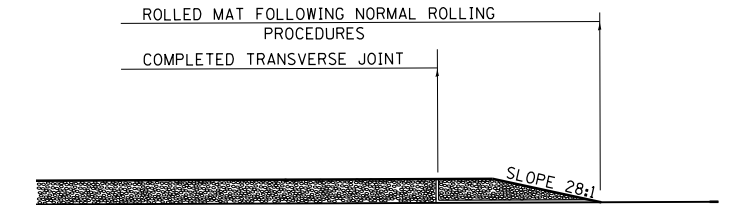
STEP II

1. MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY HOT-MIX ASPHALT TRANSITION.
2. SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
3. NOTE THAT THE MAT WITHIN 4' OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME.



STEP III

1. JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
2. NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.



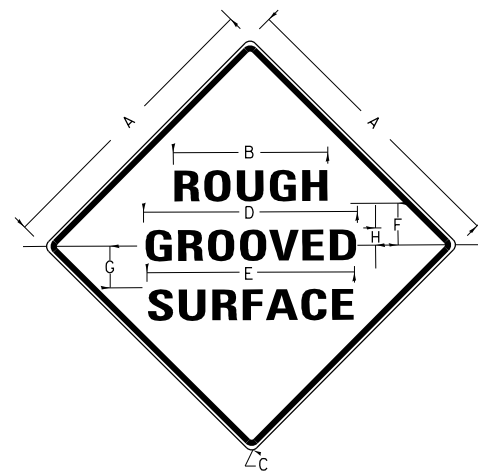
STEP IV

1. COMPLETE TEMPORARY TRANSITION BY ROLLING.
2. TO RESUME PAVING, AT THE JOINT, REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCLUDED IN THE CONTRACT).
3. CONSTRUCTING THE TEMPORARY TRANSITIONS WILL NOT BE PAID FOR SEPARATELY IN ACCORDANCE WITH ARTICLE 406.14 OF THE STANDARD SPECIFICATIONS.

REVISIONS	
REDRAWN	2-15-89
REVISED	8-16-94
REVISED	01-09-07
RESIZED	05-8-08
REVISED	05-16-13

STD. 9-26

ILLINOIS STANDARD



COLORS:

LEGEND AND BORDER- BLACK NON-REFLECTORIZED
BACKGROUND- ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48x48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MAR-GIN	BOR-DER	BLANK STD.
	1	2	3			
48x48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES

NOTES:

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS	
REDRAWN	2-15-89
REVISED	4-6-93
REVISED	3-27-08
REVIEWED	5-17-13

STD. 9-39

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	PLOT DATE = 3/19/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UNEVEN LANES, ROUGH GROOVED SURFACE
AND TEMPORARY HMA TRANSITIONS DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	4RS-5	PERRY	24	24
CONTRACT NO.			78413	
ILLINOIS FED. AID PROJECT				