

FOR INDEX OF SHEETS, SEE SHEET NO. 3

FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 5-7

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	1
		ILLINOIS	CONTRACT NO. 78873	

TRAFFIC DATA

US 51			
	2020	2021	2041
PV =	3,640	3,680	4,490
SU =	160	160	195
MU =	150	150	185
ADT =	3,950	3,990	4,870

EQUATION STATIONS: US 51
 EQ. STA. 1047+55.55 (BK.) = STA. 52+01.25 (AH.)
 EQ. STA. 103+30.75 (BK.) = STA. 103+86.85 (AH.)
 EQ. STA. 118+04.60 (BK.) = STA. 2018+04.60 (AH.)
 EQ. STA. 2081+73.95 (BK.) = STA. 187+61.39 (AH.)
 EQ. STA. 240+04.17 (BK.) = STA. 3040+04.17 (AH.)
 EQ. STA. 3101+03.20 (BK.) = STA. 304+62.66 (AH.)

OMISSION STATIONS: US 51
 STA. 3073+47.71 TO STA. 3075+72.29 (S.N. 091-0071)

EQUATION STATIONS: RAMP E
 24' RT. STA. 378+65 BK. (U.S. 51) =
 P.C. STA. 0+65 AH. (T_L RAMP E)

EQUATION STATIONS: RAMP F
 8' LT. STA. 378+65 BK. (U.S. 51) =
 P.C. STA. 378+65 AH. (T_L RAMP F)
 1' LT. STA. 390+50.13 BK. (T_L RAMP F) =
 STA. 390+59.67 AH. (T_L RAMP F)

OMISSION STATIONS: RAMP F
 STA. 390+20.13 TO STA. 392+54.09 (S.N. 091-0051)

TOWNSHIPS
 ANNA
 BALCOM
 DONGOLA

POSTED SPEED : 50 MPH - 55 MPH

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

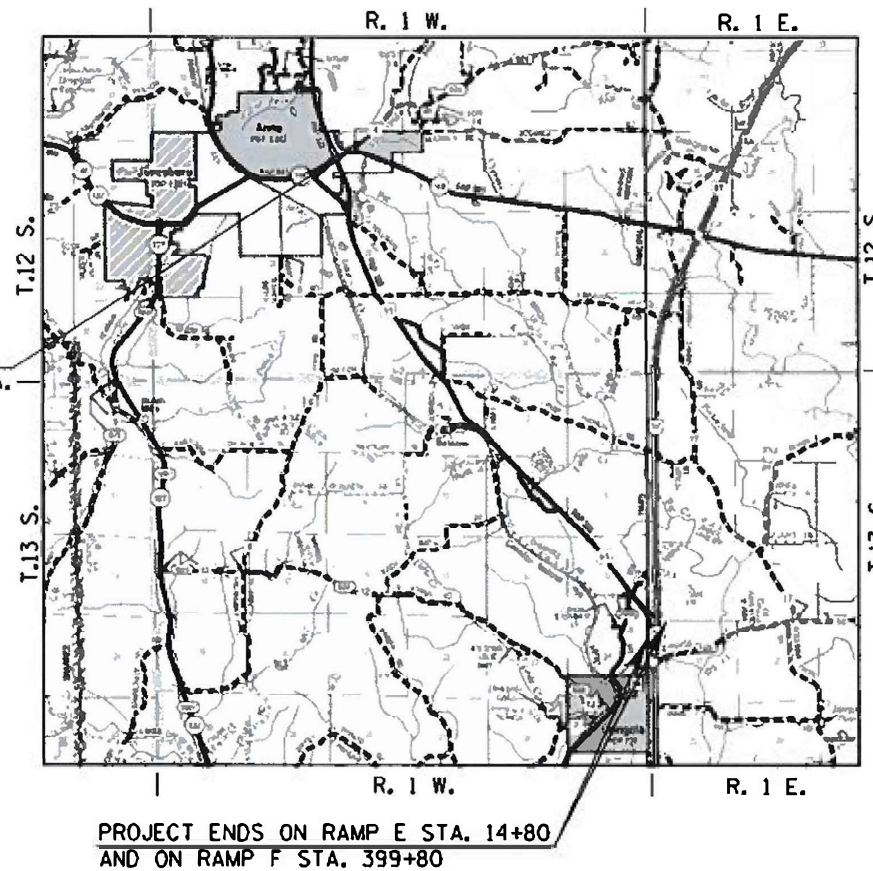
PROJECT ENGINEER VALERIE ROLLA - (618) 351-5214
 PROJECT DESIGNER JOHN A. BRANDON - (618) 351-5319

CONTRACT NO. 78873

**PROPOSED
HIGHWAY PLANS**

FAP 322 (US 51)
 SECTION 13RS-4
 PROJECT NHPP-RGS0(084)
 RESURFACING
 UNION COUNTY

C-99-067-21



GROSS LENGTH: = 39,179.220 FT. = 7.420 MILES
 NET LENGTH: = 38,720.68 FT. = 7.334 MILES



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED 06-21-2021
[Signature]
 REGION FIVE ENGINEER

August 13, 2021
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

August 13, 2021
[Signature]
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

Prepared By: Charles Stevi
DISTRICT STUDIES & PLANS ENGINEER

Examined By: _____
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Carrie Nelson
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: _____
DISTRICT OPERATIONS ENGINEER

Examined By: [Signature]
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Doris J. Melnick
DISTRICT CONSTRUCTION ENGINEER

Examined By: [Signature]
DISTRICT MATERIALS ENGINEER

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USER NAME = brandyja	DESIGNED -	REVISED -
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PLOT DATE = 6/15/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNATURE SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-1	UNION	25	2
CONTRACT NO. 78873				
ILLINOIS FED. AID PROJECT				

INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS
4	MTD CROSSING RESTRICTIONS TABLE & HMA MIXTURE REQUIREMENTS TABLE
5-7	SUMMARY OF QUANTITIES
8-13	TYPICAL SECTIONS
14-17	SCHEDULES
18	LOCATION MAP: FAP 322 (US 51) FROM THE INTERSECTION OF IL 146 SOUTHERLY TO RAMP E AND RAMP F OF I-57
19-24	PAVEMENT MARKING DETAILS
25	DETAILS: TEMP HMA TRANSITIONS, ROUGH GROOVED SURFACE AND UNEVEN LANES SIGN

GENERAL NOTES

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 TONS/CU. YD.

ALL AGGREGATE 2.05 TONS/CU. YD.

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

THE CONTRACTOR SHALL STAMP STATIONING IN THE PROPOSED HOT MIX ASPHALT SURFACE AT 300 FT INTERVALS ON ALTERNATING SIDES OF THE 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.

HMA 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 SHUTDOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION.

LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE HMA SURFACE COURSE

COMMITMENTS: NONE

HIGHWAY STANDARDS

000001-08_STANDARDSYMBOLSABBREVIATIONS&PATTERNS-001
 001001-02_AREASOFREINFREBARS
 001006_DECIMALOFINCH&FOOT
 642006-01_SHOULDERRUMBLESTRIP8IN-240
 701001-02_OFFRDOP-2L2W-15FTMINFROMEOP
 701006-05_OFFRDOP-2L2W-15FTTOEOP
 701011-04_OFFRDMOVINGOP-2L2W-DAYONLY
 701301-04_LNCLOSURE2L2W-SHORTTIMEOP
 701306-04_LNCLOSURE2L2W-SLOWMOVEOPDAYONLY45MPHORMORE
 701311-03_LNCLOSURE2L2W-MOVINGOPDAYONLY
 701336-07_LNCLOSURE2L2W-WORKAREASIN SERIES45MPHORMORE
 701456-05_PARTIALEXITRAMP CLOSURE FREEWAY EXPRESSWAY
 701901-08_TRAFCNTRLDEVICES
 780001-05_TYPICALPVMTMRKINGS
 781001-04_TYPICALAPPRAISEDREFLCPVMTMRKRS

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USER NAME = brandonja	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
DRAWN -	REVISED -	322			13RS-4	UNION	25	3			
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 78873						
PLOT DATE = 7/30/2021	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

MTD CROSSING RESTRICTIONS TABLE

STRUCTURE NUMBER	EXISTING FILL HEIGHT OVER BOX CULVERT	THICKNESS OF EXISTING PAVEMENT OVER BOX CULVERT	MTD CROSSING RESTRICTIONS: EMPTY MTD WITH THE FOLLOWING MAXIMUM GROSS WEIGHT RESTRICTIONS:
091-0051	N/A	N/A	(40 tons)
091-0071	N/A	N/A	(40 tons)
091-7024	0	1.0'	(40 tons)
091-7025	0.33'	1.18'	(40 tons)
091-7026	0.33'	1.18'	(40 tons)
091-7027	0.33'	1.18'	(32 tons)
091-7028	0.33'	1.18'	(40 tons)
091-7029	18.00'	1.18'	(40 tons)
091-7030	29.00'	1.18'	(40 tons)
091-7031	15.00'	1.18'	(40 tons)
091-7032	7.00'	1.18'	(40 tons)

NOTE: If the same MTD is used throughout the entire contract, then it must be limited to an empty gross weight \leq 32 t

HMA MIXTURE REQUIREMENTS TABLE

LOCATIONS	HOT-MIX ASPHALT SURFACE COURSE
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE, MIX C, N70
AB/PG:	PG64-22
ABR % (MAX):	SEE SPECIAL PROVISION
DESIGN AIR VOIDS:	4.0 %, 70 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5MM
FRICTION AGGREGATE:	C SURFACE
MIXTURE WEIGHT:	112 LBS/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QCP
SUBLOT SIZE:	TBD

LOCATIONS	HOT-MIX ASPHALT BINDER COURSE
MIXTURE USE(S):	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70
AB/PG:	PG64-22
ABR % (MAX):	SEE SPECIAL PROVISION
DESIGN AIR VOIDS:	4.0 %, 70 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5MM FINE GRADED
FRICTION AGGREGATE:	NONE
MIXTURE WEIGHT:	112 LBS/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QCP
SUBLOT SIZE:	TBD

LOCATIONS	HOT-MIX ASPHALT SHOULDERS
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE, MIX C, N30
AB/PG:	PG64-22
ABR % (MAX):	SEE SPECIAL PROVISION
DESIGN AIR VOIDS:	4.0 %, 30 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5L
FRICTION AGGREGATE:	NONE
MIXTURE WEIGHT:	112 LBS/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QCQA
SUBLOT SIZE:	NA

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 CAD: DataCAD
 PROJECT: 78873
 SHEETS: 4/9

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PLOT DATE = 7/30/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MTD CROSSING RESTRICTIONS TABLE
& HMA MIXTURE REQUIREMENTS TABLE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	4
CONTRACT NO. 78873				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

COUNTY: UNION
 ROUTE: FAP 322 (US 51)
 FUNDING: 80% FEDERAL 20% STATE
 LOCATION: RURAL ROADWAY 0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	89,691
40600990	TEMPORARY RAMP	SQ YD	262
40602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	7,738
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	9,193
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	144,860
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1,572
48203100	HOT-MIX ASPHALT SHOULDERS	TON	5,590
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	78,878
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10
67100100	MOBILIZATION	L SUM	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1.0
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1.0

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SUMMARY OF QUANTITIES - CONT

COUNTY: UNION
 ROUTE: FAP 322 (US 51)
 FUNDING: 80% FEDERAL 20% STATE
 LOCATION: RURAL ROADWAY 0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28
70300100	SHORT TERM PAVEMENT MARKING	FOOT	18,166
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	6,068
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	254.8
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	127,205
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1,133
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	66
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	254.8
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	127,205
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,133
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	66
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	799
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	799

* SPECIALTY ITEM

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SUMMARY OF QUANTITIES - CONT

COUNTY:	UNION
ROUTE:	FAP 322 (US 51)
FUNDING:	80% FEDERAL 20% STATE
LOCATION:	RURAL
	ROADWAY
	0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	43,950
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	46,591
Z0034105	MATERIAL TRANSFER DEVICE	TON	16,931

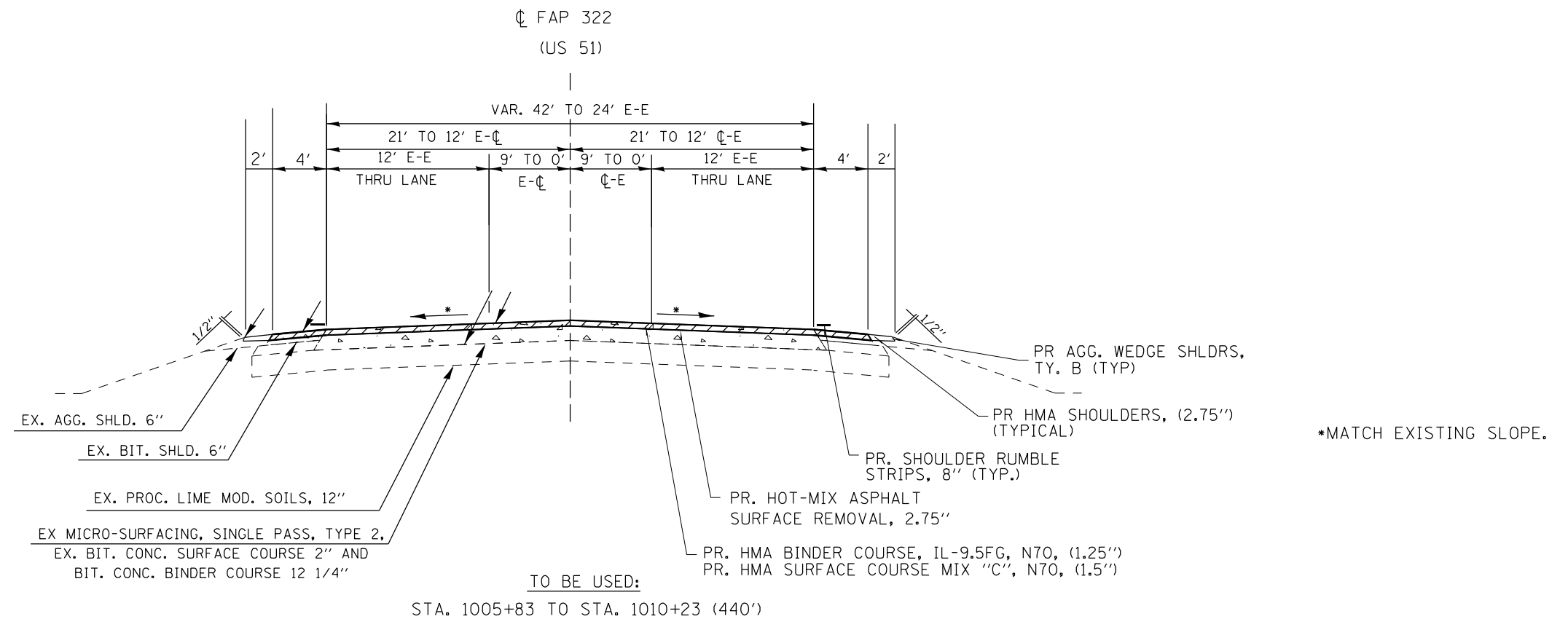
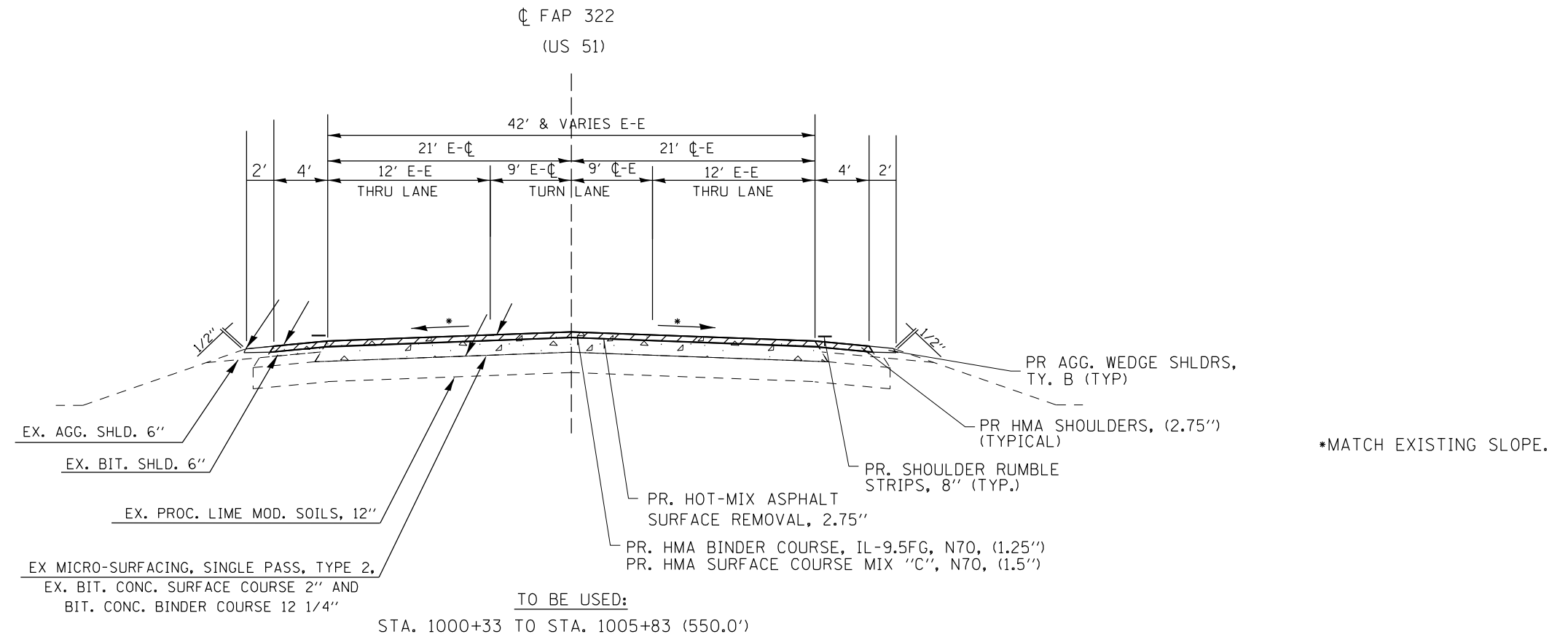
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13R5-4	UNION	25	7
CONTRACT NO. 78873				
ILLINOIS FED. AID PROJECT				



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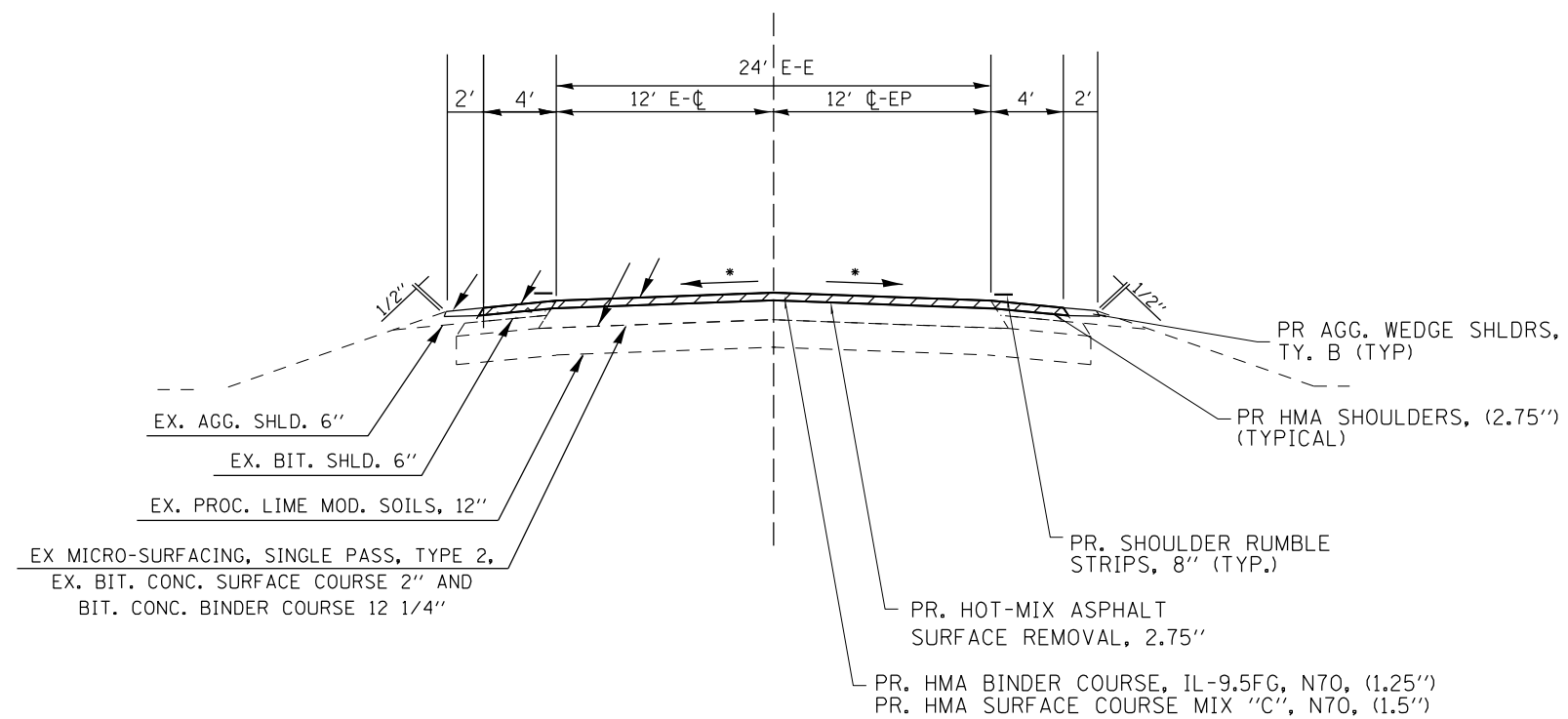
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	8
CONTRACT NO. 78873				
ILLINOIS FED. AID PROJECT				

☉ FAP 322
(US 51)



TO BE USED:

STA. 1010+23 TO STA. 1028+79 (1856.0')
 STA. 1044+78 TO STA. 1047+55.55 (277.55')
 EQ. STA. 1047+55.55 (BK.) = STA. 52+01.25 (AH.)
 STA. 52+01.25 TO STA. 103+30.75 (5129.5')
 EQ. STA. 103+30.75 (BK.) = STA. 103+86.85 (AH.)
 STA. 103+86.85 TO STA. 118+04.60 (1417.75')
 EQ. STA. 118+04.60 (BK.) = STA. 2018+04.60 (AH.)
 STA. 2018+04.60 TO STA. 2081+73.95 (6369.35')
 EQ. STA. 2081+73.95 (BK.) = STA. 187+61.39 (AH.)
 STA. 187+61.39 TO STA. 240+04.17 (5242.78')
 EQ. STA. 240+04.17 (BK.) = STA. 3040+04.17 (AH.)
 STA. 3040+04.17 TO STA. 3073+47.71 (3342.46')

OMISSION STATIONS:

STA. 3073+47.71 TO STA. 3075+72.29 (S.N. 091-0071)

STA. 3075+72.29 TO STA. 3101+03.20 (2532.2')
 EQ. STA. 3101+03.20 (BK.) = STA. 304+62.66 (AH.)
 STA. 304+62.66 TO STA. 365+98 (6135.34')

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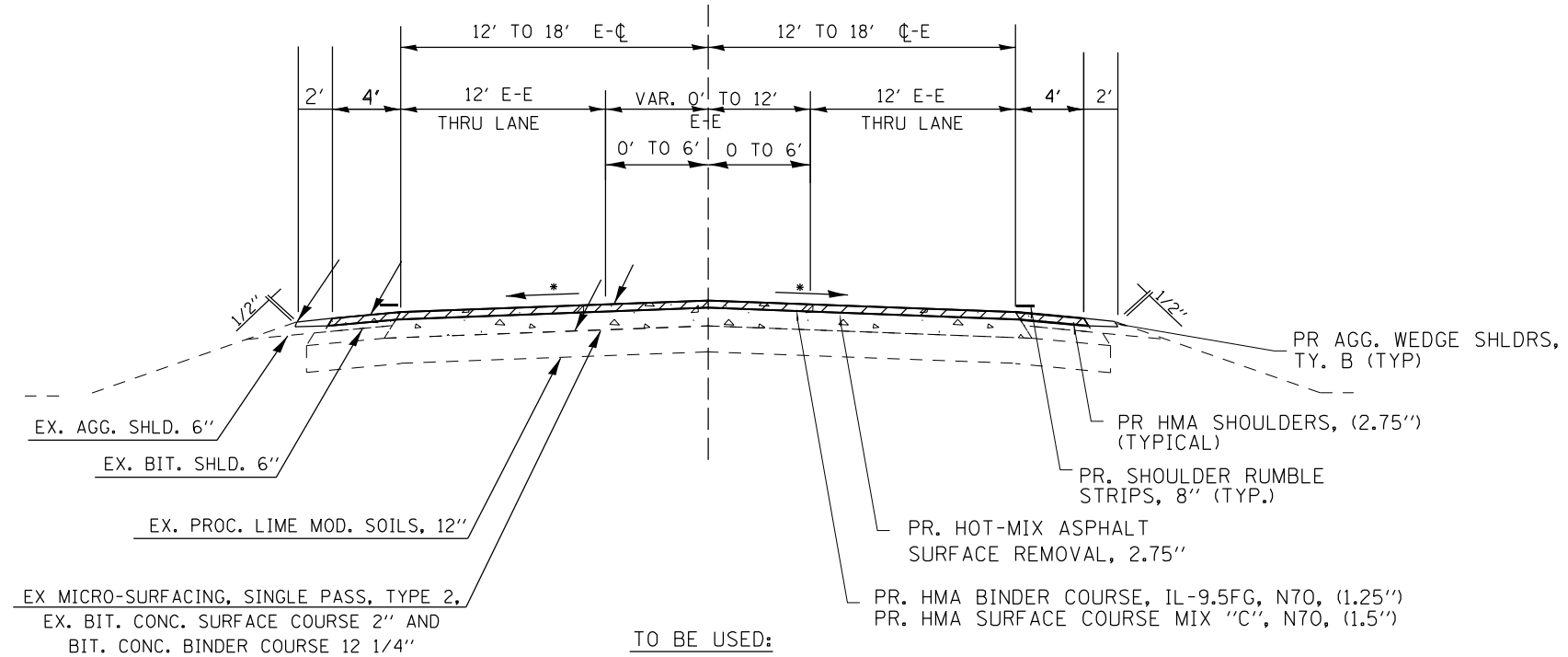
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	9
CONTRACT NO. 78873			ILLINOIS FED. AID PROJECT	

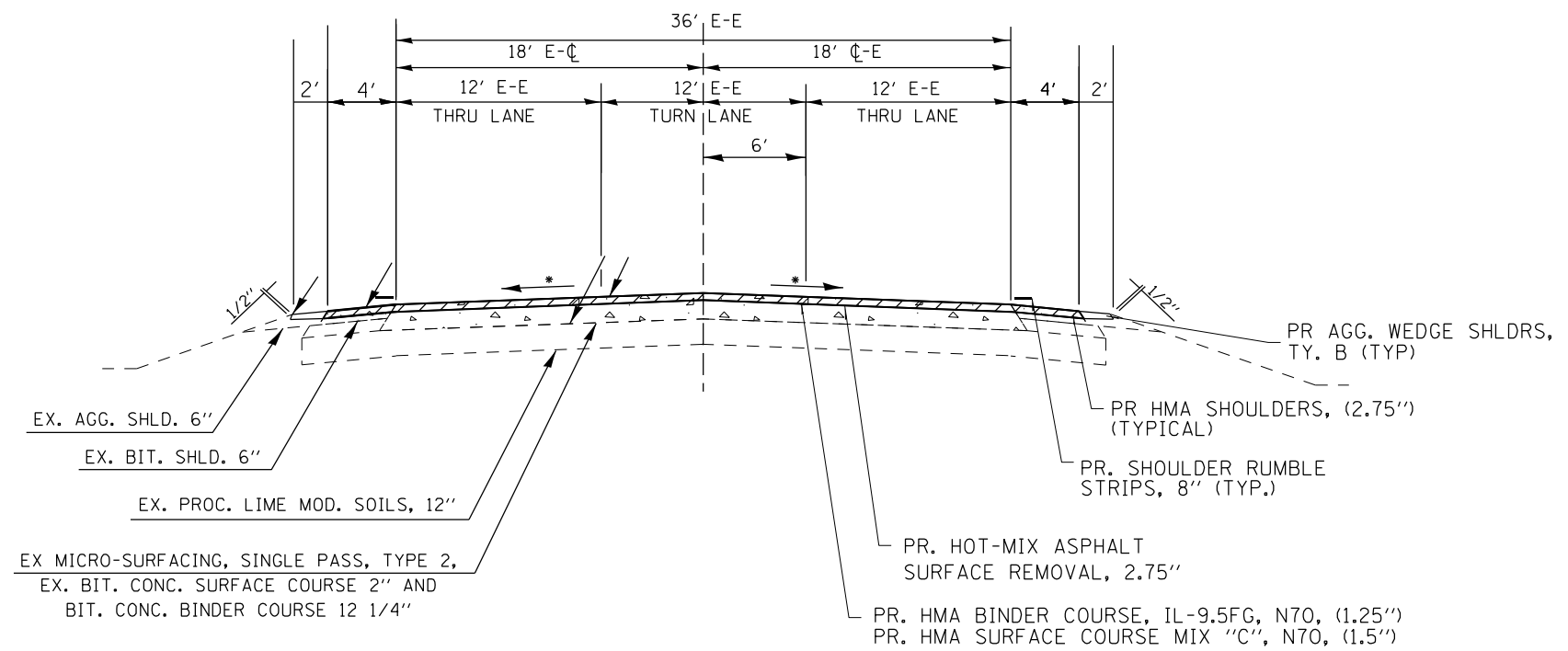
☐ FAP 322
(US 51)



*MATCH EXISTING SLOPE.

TO BE USED:
STA. 1028+79 TO STA. 1031+10.21 (231.21')

☐ FAP 322
(US 51)



*MATCH EXISTING SLOPE.

TO BE USED:
STA. 1031+10.21 TO STA. 1041+73 (1062.79')

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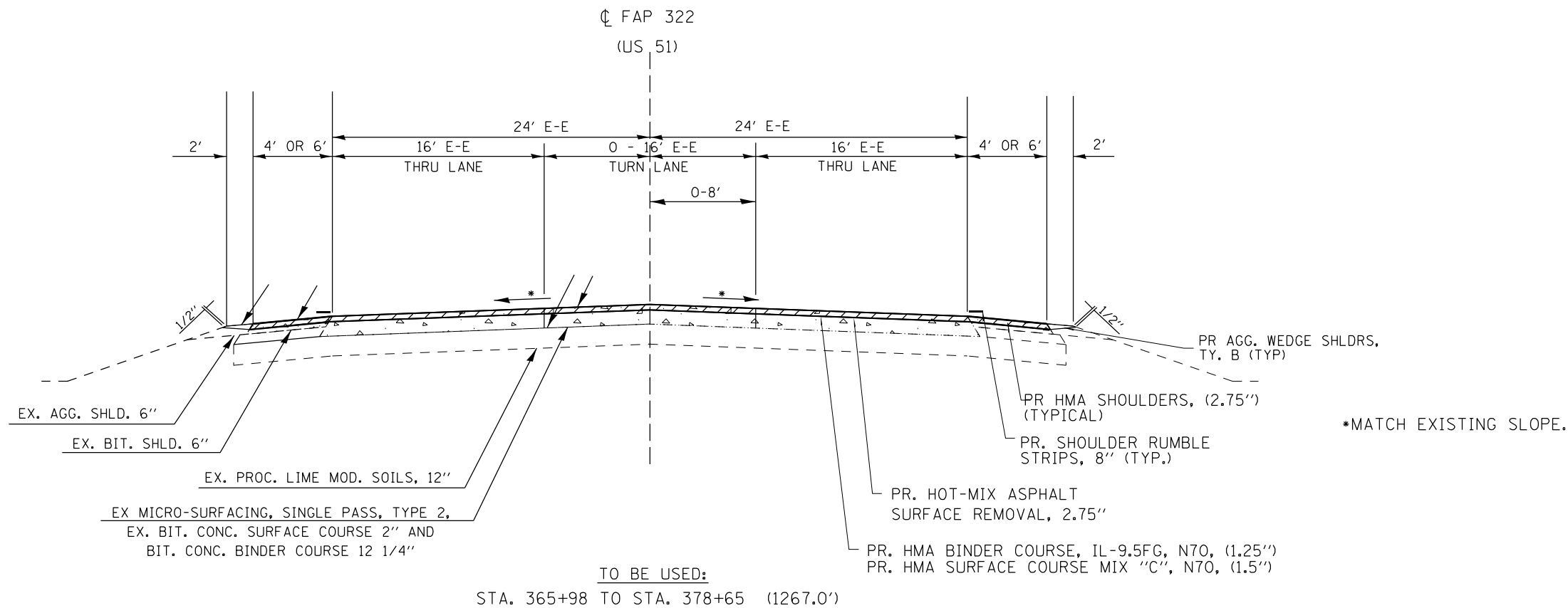
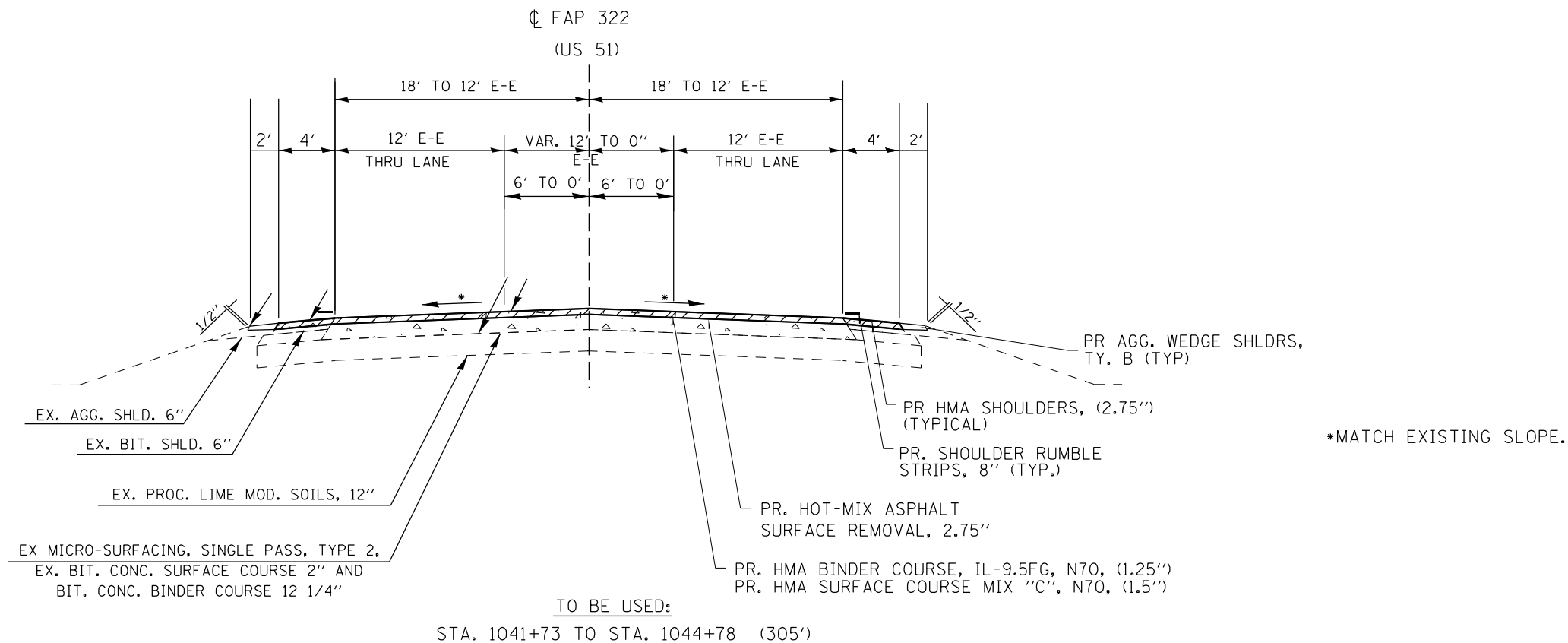
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	10
CONTRACT NO. 78873				
ILLINOIS FED. AID PROJECT				



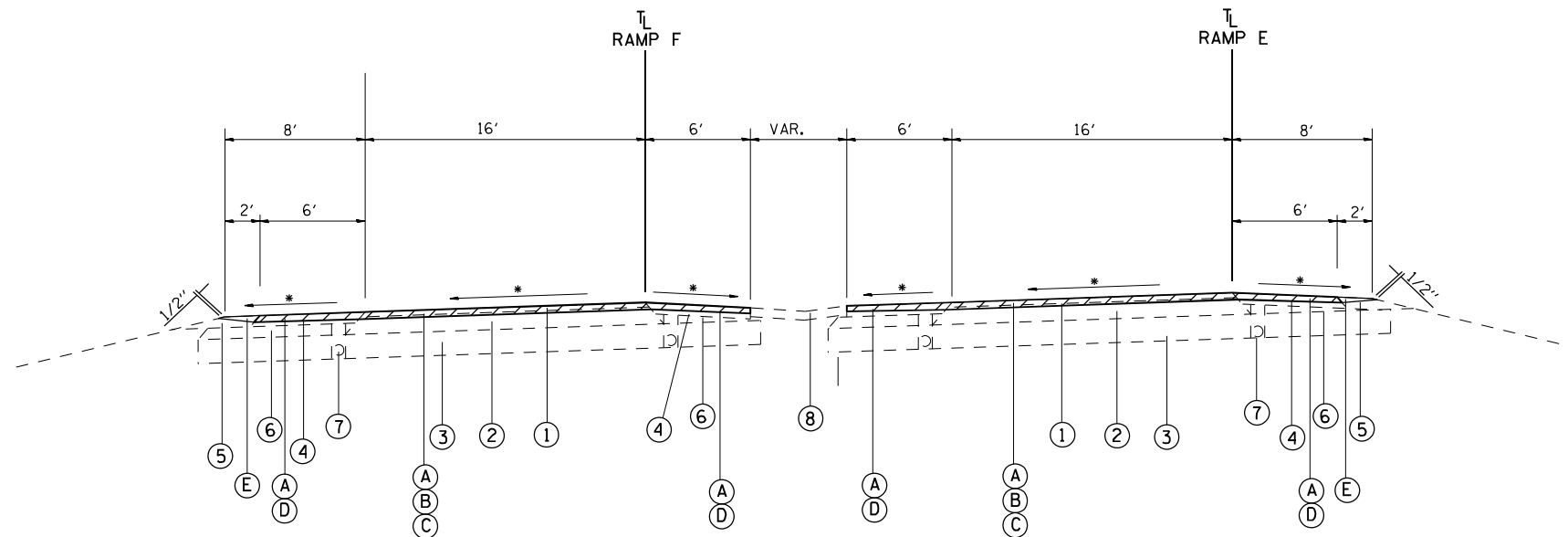
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PLOT DATE = 6/24/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	11
CONTRACT NO. 78873				
ILLINOIS FED. AID PROJECT				



*MATCH EXISTING SLOPE.

LEGEND (EXISTING)

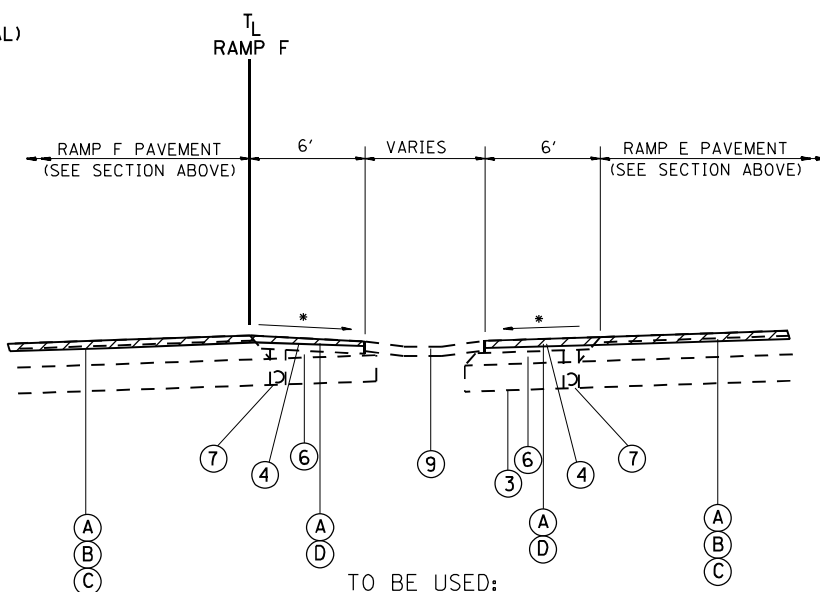
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- ② BITUMINOUS CONCRETE BINDER COURSE, TYPE 2, 12 1/4"
- ③ PROCESSING LIME MODIFIED SOILS, 15"
- ④ BITUMINOUS SHOULDERS, 8"
- ⑤ AGGREGATE SHOULDERS, TYPE A, 8"
- ⑥ SUB-BASE GRANULAR MATERIAL, TYPE C
- ⑦ PIPE UNDERDRAINS, 4"
- ⑧ CONCRETE GUTTER (SPECIAL)
- ⑨ PAVED DITCH, TYPE B-15 (SPECIAL)
- ⑩ PAVED DITCH, TYPE B-15
- ⑪ EXISTING GROUNDLINE

TO BE USED:

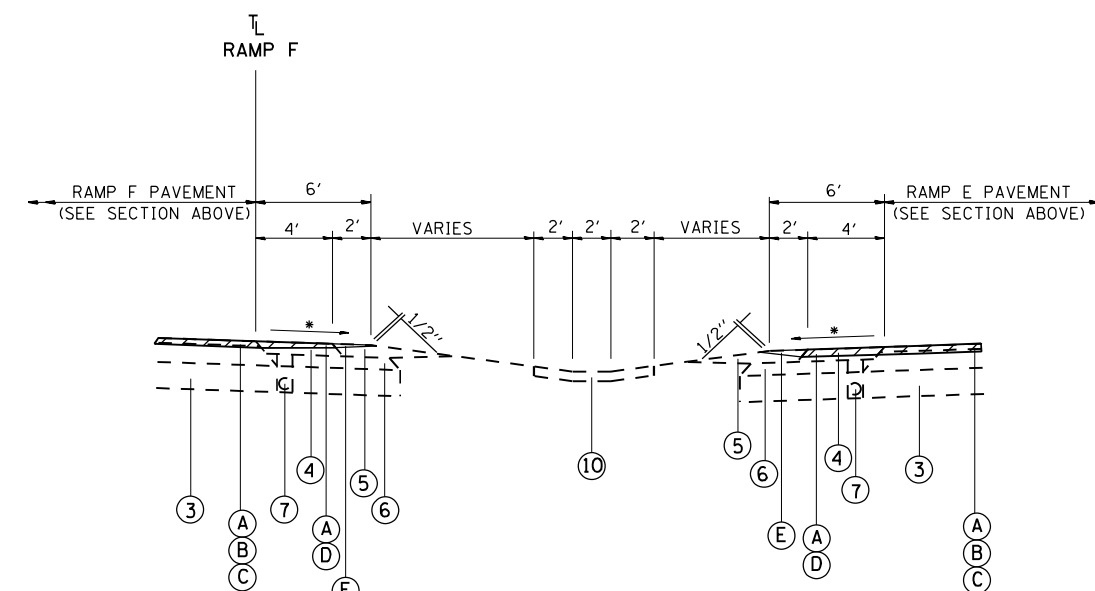
EQ. STA. 24' RT STA. 378+65 (BK.) (US 51) = PC STA. 0+65 (AH.) (RAMP E)
 STA. 0+65 TO STA. 3+25 (RAMP E)
 EQ. STA. 8' LT STA. 378+65 (BK.) (US 51) = PC STA. 378+65 (AH.) (RAMP F)
 STA. 378+65 TO STA. 381+25 (RAMP F)

LEGEND (PROPOSED)

- Ⓐ HMA SURFACE REMOVAL, 2 3/4"
- Ⓑ PR. HMA BINDER COURSE, IL-9.5FG, N70, (1 1/4")
- Ⓒ PR. HMA SURFACE COURSE MIX "C", N70, (1 1/2")
- Ⓓ PR HMA SHOULDERS, (2.75")
- Ⓔ PR AGG. WEDGE SHLDRS, TY. B (TYP)



TO BE USED:
 STA. 381+25 TO STA. 384+45 (RAMP F)
 STA. 3+25 TO STA. 6+50 (RAMP E)



TO BE USED:
 STA. 384+45 TO STA. 388+95 (RAMP F)
 STA. 6+50 TO STA. 13+00 (RAMP E)

*MATCH EXISTING SLOPE.

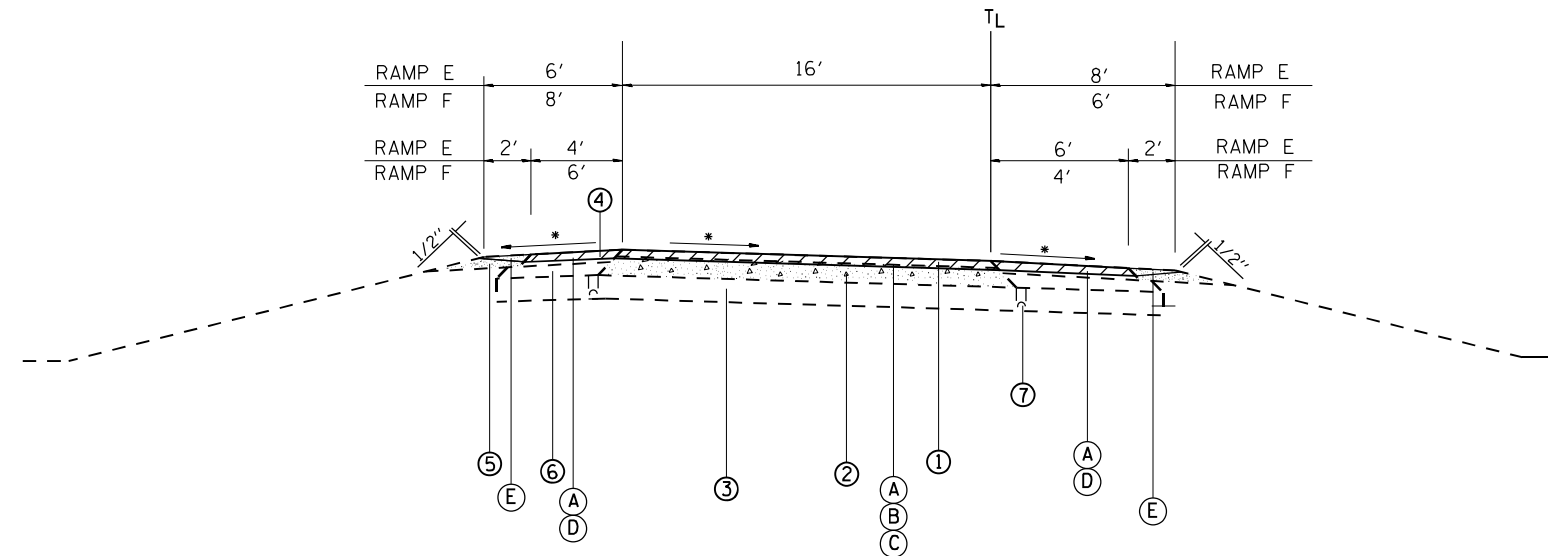
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 PROJECT: 13R5-4
 SHEET: 25
 CONTRACT: 78873

USER NAME = kellekyl	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 6/24/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	12
CONTRACT NO. 78873				
ILLINOIS FED. AID PROJECT				



*MATCH EXISTING SLOPE.

TO BE USED:

STA. 13+00 TO STA. 14+80 (RAMP E)
 STA. 388+95 TO STA. 390+20.13 (RAMP F)
 EQ. STA. 1' LT STA 390+50.13 (BK) RAMP F = PC STA 390+59.67 (AH) RAMP F

OMISSION STATIONS:

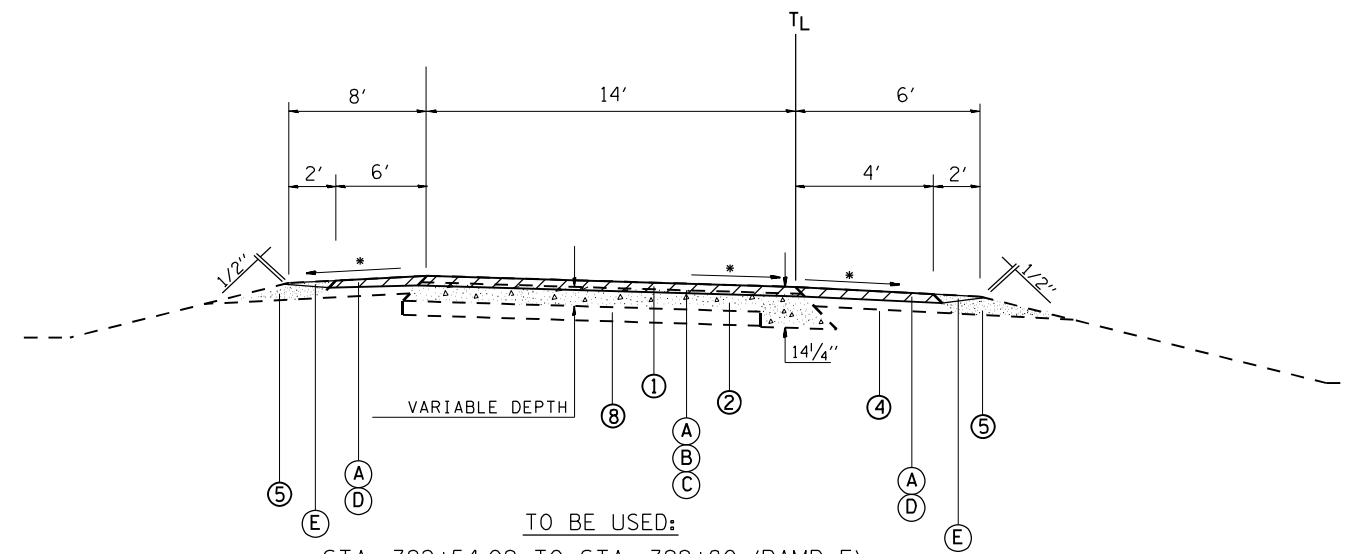
STA. 390+20.13 TO STA. 392+54.09+72.29 (S.N. 091-0051)

LEGEND (EXISTING)

- ① BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS I, TYPE 2, 2"
- ② BITUMINOUS CONCRETE BINDER COURSE, TYPE 2, 1 1/4"
- ③ PROCESSING LIME MODIFIED SOILS, 12"
- ④ BITUMINOUS SHOULDERS, 8"
- ⑤ AGGREGATE SHOULDERS, TYPE A, 8"
- ⑥ SUB-BASE GRANULAR MATERIAL, TYPE C
- ⑦ PIPE UNDERDRAINS, 4"
- ⑧ EXISTING PAVEMENT

LEGEND (PROPOSED)

- Ⓐ HMA SURFACE REMOVAL, 2 3/4"
- Ⓑ PR. HMA BINDER COURSE, IL-9.5FG, N70, (1 1/4")
- Ⓒ PR. HMA SURFACE COURSE MIX "C", N70, (1 1/2")
- Ⓓ PR HMA SHOULDERS, (2.75")
- Ⓔ PR AGG. WEDGE SHLDRS, TY. B (TYP)



*MATCH EXISTING SLOPE.

TO BE USED:

STA. 392+54.09 TO STA. 399+80 (RAMP F)

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78873	

RESURFACING SCHEDULE

LOCATION		LENGTH	HMA SURFACE REMOVAL, 2 3/4"	HMA BINDER COURSE, IL-9.5FG, N70, 1 1/4"	HMA SURFACE COURSE MIX "C", N70, 1 1/2"	HMA SHOULDERS	AGG WEDGE SHOULDERS, TYPE B	BITUMINOUS MATERIALS (TACK COAT)	MATERIAL TRANSFER DEVICE	LONGITUDINAL JOINT SEALANT	SHOULDER RUMBLE STRIPS, 8"	TEMP RAMP	COMMENTS
STATION TO	STATION	FOOT	SQ YD	TON	TON	TON	TON	POUND	TON	FOOT	FOOT	SQ YD	
US 51 START AT IL 146													
1000+33.00	TO 1001+48.51	115.5	976	69	82	7	2	697	151	116	188	79	AREA MEASURED IN CADD
1001+48.51	TO 1005+83.00	434.5	2414	144	171	60	18	1543	315	435	870		
1005+83.00	TO 1010+23.00	440.0	2005	115	137	62	20	1265	252	440	880		
1010+23.00	TO 1028+79.00	1856.0	6600	352	418	256	78	4084	770	1856	3712		
1028+79.00	TO 1031+10.21	231.2	977	55	66	32	10	613	121	232	464		
1031+10.21	TO 1041+73.00	1062.8	5196	301	359	146	44	3295	660	1063	2126		
1041+73.00	TO 1044+78.00	305.0	1288	73	86	42	14	809	159	610	610		
1044+78.00	TO 1047+55.55	277.6	987	53	63	38	12	611	116	556	556		
STATION EQUATION STA 1047+55.55 (BK) = STA 52+01.25 (AH)													
52+01.25	TO 103+30.75	5129.5	18239	972	1155	704	212	11285	2127	10259	10260		
STATION EQUATION STA 103+30.75 (BK) = 103+86.85 (AH)													
103+86.85	TO 118+04.60	1417.8	5041	269	320	196	60	3120	589	2836	2836		
STATION EQUATION STA 118+04.60 (BK) = STA 2018+04.60 (AH)													
2018+04.60	TO 2081+73.95	6369.4	22647	1207	1435	872	262	14013	2642	6370	12740		
STATION EQUATION STA 2081+73.95 (BK) = STA 187+61.39 (AH)													
187+61.39	TO 240+04.17	5242.8	18641	994	1181	718	216	11535	2175	5243	10486		
STATION EQUATION STA 240+04.17 (BK) = STA 3040+04.17 (AH)													
3040+04.17	TO 3073+47.71	3343.54	11889	634	753	458	138	7356	1387	3344	6688	51	
BRIDGE OMISSION SN 091-0071 STA 3073+47.71 TO STA 3075+72.29													
3075+72.29	TO 3101+03.20	2531	8999	480	570	348	106	5569	1050	2531	5062	51	
STATION EQUATION STA 3101+03.20 (BK) = 304+62.66 (AH)													
304+62.66	TO 365+98.00	6135.3	21815	1163	1382	840	254	13498	2545	6136	12272		
365+98.00	TO 374+78.00	880	3912	222	264	122	38	2464	486	880	1760		4' HMA SHOULDERS
374+78.00	TO 378+65.00	387	1892	98	117	80	16	1161	215	387	774		6' HMA SHOULDERS
365+98.00	TO 371+98.00	600	534	39	46	0	0	360	85	0	0		TURN LANES
371+98.00	TO 378+65.00	667	1186	85	101	0	0	801	186	0	0		TURN LANES
RAMP E													
STATION EQUATION RAMP E: 24' RT STA 378+65 (BK) US 51 = PC STA 0+65 (AH) RAMP E													
0+65.00	TO 3+25.00	260	809	34	40	54	6	468	74	260	520		
3+25.00	TO 6+50.00	325	1012	42	49	68	7	585	91	325	650		
6+50.00	TO 13+00.00	650	1878	83	98	112	14	1105	181	650	1300		4' AND 6' HMA SHOULDERS
13+00.00	TO 14+80.00	180	520	23	28	31	4	306	51	180	360		4' AND 6' HMA SHOULDERS
RAMP F													
STATION EQUATION RAMP F: 8' LT STA 378+65 (BK) US 51 = PC STA 378+65 (AH) RAMP F													
378+65.00	TO 381+25.00	260	809	34	40	54	6	468	74	260	520		6' AND 6' HMA SHOULDERS
381+25.00	TO 384+45.00	320	996	41	49	66	7	576	90	320	640		
384+45.00	TO 388+95.00	450	1300	58	68	77	10	765	126	450	900		4' AND 6' HMA SHOULDERS
388+95.00	TO 390+20.13	125	362	16	19	22	3	213	35	126	252	42	4' AND 6' HMA SHOULDERS
STATION EQUATION RAMP F: 1' LT STA 390+50.13 (BK) RAMP F = PC STA 390+59.67 (AH) RAMP F													
BRIDGE OMISSION RAMP F: SN 091-0051 STA 390+20.13 TO STA 392+54.09													
392+54.09	TO 399+80.00	726	1936	82	96	125	15	1126	178	726	1452	39	4' AND 6' HMA SHOULDERS
TOTALS:			144860	7738	9193	5590	1572	89691	16931	46591	78878	262	

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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/24/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT AND SHOULDER SCHEDULE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	14
CONTRACT NO. 78873				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING AND RRPM SCHEDULE

LOCATION			THERMOPLASTIC PAVEMENT MARKING				SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING				TEMPORARY PAVEMENT MARKING REMOVAL	RRPM REMOVAL	RRPM	COMMENTS				
			LINE-4"		LINE-12"	LINE-24"			LETTERS AND SYMBOLS	LINE-4"	LINE-12"	LINE-24"					LETTERS AND SYMBOLS			
STATION TO STATION			WHITE SOLID	YELLOW SOLID	YELLOW SKIP DASH	WHITE SOLID	WHITE SOLID	SQ FT	FOOT	SQ FT	WHITE SOLID	WHITE SOLID	WHITE SOLID	SQ FT	EACH	EACH				
			FOOT	FOOT	FOOT	FOOT	FOOT				FOOT	FOOT	FOOT					FOOT	SQ FT	
US 51																				
RT	1000+41.0	TO	1000+56.0	82							82			28	3	3	ISLAND STRIPING			
	1000+50.0	TO	1010+23.0			482						482		482			MEDIAN			
RT	1000+56.0						20					20		40			STOP BAR			
RT	1001+09.0	TO	1031+44.5	3036							3036			1012			EDGE LINE			
	1011+64.0	TO	1027+93.0			407		123	41		407			136	53	53				
	1028+79.0	TO	1032+07.0									84		84	20	20	MEDIAN			
RT	1033+07.5	TO	1037+95.0	488							488			163	3	3	EDGE LINE			
RT	1039+14.0	TO	1047+55.6	842							842			281			EDGE LINE			
	1039+93.0	TO	1044+78.0				128					128		128	22	22	MEDIAN			
EQ. STA. 1047+55.55 (BK.) = 52+01. 25 (AH.)																				
RT	52+01. 3	TO	103+30.8	5130							5130			1710	114	114	EDGE LINE			
	64+21. 6	TO	71+91.0			192		58	20		192			64						
	72+47.0	TO	81+81.0			234		71	24		234			78						
EQ. STA. 103+30.75 (BK.) = STA. 103+86.85 (AH.)																				
	103+86. 9	TO	118+04.6	1418							1418			473	17	17	EDGE LINE			
	116+31.0	TO	118+04.6			43		13	5		43			15	3	3				
EQ. STA. 118+04.60 (BK.) = STA. 2018+04.60 (AH.)																				
	2018+04.6	TO	2081+74.0	6369		1592		478	160		7961			2654	81	81	EDGE LINE			
EQ. STA. 2081+73.95 (BK.) = STA. 187+61.39 (AH.)																				
RT	187+61.	TO	238+50.0	5089							5089			1697			EDGE LINE			
	187+61.4	TO	188+59.0			25		8	3		25			9	5	5				
	227+16.0	TO	238+50.0			284		86	29		284			95	60	60				
	1000+49.0												12	24			STOP BAR			
LT	1000+34.0	TO	1000+46.	78							78			26	3	3	ISLAND STRIPING			
LT	1000+36.0												18	36			STOP BAR			
LT	1000+44.0												16	32			STOP BAR			
LT	1000+94.0	TO	1038+00.0	3706							3706			1236			EDGE LINE			
LT	1039+12.0	TO	1047+55.	844							844			282			EDGE LINE			
LT	52+01.3	TO	103+30.8	5130							5130			1710			EDGE LINE			
LT	103+86.9	TO	118+04.6	1418							1418			473			EDGE LINE			
LT	2018+04.6	TO	2081+74.0	6369							6369			2123			EDGE LINE			
LT	187+61.4	TO	238+50.0	5089							5089			1697			EDGE LINE			
	1000+50.0	TO	1010+23.0			3892		1168	390		3892			1298	53	53	NO PASSING ZONE			
	1010+23.0	TO	1011+64.0			282		85	29		282			94	7	7	NO PASSING ZONE			
	1027+93.0	TO	1028+79.0			172		52	18		172			58	3	3	NO PASSING ZONE			
	1028+79.0	TO	1032+07.0			1312		394	132		1312			438	6	6	NO PASSING ZONE			
	1032+50.0	TO	1038+20.0			1140		342	114		1140			380	11	11	NO PASSING ZONE			
	1038+93.0	TO	1039+93.0			200		60	20		200			67	3	3	NO PASSING ZONE			
	1039+93.0	TO	1044+78.			1940		582	194		1940			647			NO PASSING ZONE			
SUB-TOTALS				45088	8938	2777	694	66	0		3520	1179	56803	694	66	0	19770	467	467	

* ALL LETTERS AND SYMBOLS SHALL BE OF THE LARGE SIZE

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PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/24/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY, SHORT TERM AND
THERMOPLASTIC PAVEMENT MARKING SCHEDULE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	15
CONTRACT NO. 78873				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING AND RRPM SCHEDULE - CONT.

LOCATION			THERMOPLASTIC PAVEMENT MARKING				SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING				TEMPORARY PAVEMENT MARKING REMOVAL	RRPM REMOVAL	RRPM	COMMENTS	
			LINE-4"		LINE-12"	LINE-24"			LETTERS AND SYMBOLS	LINE-4"	LINE-12"	LINE-24"					LETTERS AND SYMBOLS
STATION TO STATION			WHITE SOLID	YELLOW SOLID	YELLOW SKIP DASH	WHITE SOLID	WHITE SOLID	LETTERS AND SYMBOLS	FOOT	SQ FT	FOOT	FOOT	FOOT	SQ FT		EACH	EACH
			FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	SQ FT	FOOT	FOOT	FOOT	SQ FT		EACH	EACH
US 51																	
LT	1044+78.0	TO 1047+55.6		278					84	28	278			93	16	16	NO PASSING ZONE
LT	52+01.3	TO 72+47.0		2046					614	205	2046			682			NO PASSING ZONE
LT	81+81.0	TO 103+30.8		2150					645	215	2150			717			NO PASSING ZONE
LT	103+86.9	TO 118+04.6		1418					426	142	1418			473			NO PASSING ZONE
LT	2018+04.6	TO 2020+16.0		211					64	22	211			71			NO PASSING ZONE
LT	188+59.0	TO 238+19.0		4960					1488	496	4960			1654			NO PASSING ZONE
RT	1044+78.0	TO 1047+55.6		278					84	28	278			93			NO PASSING ZONE
RT	52+01.3	TO 64+21.6		1220					366	122	1220			407			NO PASSING ZONE
RT	71+91.0	TO 103+30.8		3140					942	314	3140			1047			NO PASSING ZONE
RT	103+86.5	TO 116+31.0		1244					374	125	1244			415			NO PASSING ZONE
RT	2071+57.0	TO 2081+74.0		1017					306	102	1017			339			NO PASSING ZONE
RT	187+61.4	TO 227+16.0		3955					1187	396	3955			1319			NO PASSING ZONE
LT	1000+50.0	TO 1003+13.0	263						79	27	263			88			TURN LANE
LT	1032+50.0	TO 1034+50.0	200						60	20	200			67	4	4	TURN LANE
RT	1037+20.0	TO 1038+20.0	100						30	10	100			34	6	6	TURN LANE
LT	1038+93.0	TO 1039+93.0	100						30	10	100			34	4	4	TURN LANE
LI	1001+17.0						15.6					15.6	15.6				LT TURN ARROW
LT	1001+45.0						20.8					20.8	20.8				"ONLY"
LT	1002+67.0						15.6					15.6	15.6				LT TURN ARROW
LT	1002+95.0						20.8					20.8	20.8				"ONLY"
LI	1034+06.0						15.6					15.6	15.6				LT TURN ARROW
LT	1034+34.0						20.8					20.8	20.8				"ONLY"
RT	1037+30.0						20.8					20.8	20.8				"ONLY"
RT	1037+58.0						15.6					15.6	15.6				LT TURN ARROW
LT	1039+47.0						15.6					15.6	15.6				LT TURN ARROW
LT	1039+75.0						20.8					20.8	20.8				"ONLY"
LT & RT	238+50.0	TO 240+04.2	308		39				105	35	347			116	3	3	EDGE LINE
EQ. STA. 240+04.17 (BK.) = STA. 3040+04.17 (AH.)																	
	3040+04.2	TO 3051+50.0			286				86	29	286			96	18	18	
LT & RT	3040+04.2	TO 3073+50.0	6692						2008	670	6692			2231			EDGE LINE
	3058+28.0	TO 3073+50.0			381				115	39	381			127	25	25	
OMIT SN 091-0071 STA. 3073+47.71 TO STA. 3075+72.29																	
	3075+71.0	TO 3097+65.0			549				165	55	549			183	29	29	
LT & RT	3075+710.0	TO 3101+03.2	5064								5064			1688			EDGE LINE
	3098+84.0	TO 3101+03.2			55				17	6	55			19	4	4	
SUB-TOTALS			12727	21917	1310	0	0	182	9275	3096	35954	0	0	182	12175	109	109

* ALL LETTERS AND SYMBOLS SHALL BE OF THE LARGE SIZE

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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/24/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY, SHORT TERM AND
THERMOPLASTIC PAVEMENT MARKING SCHEDULE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	16
CONTRACT NO. 78873				
ILLINOIS		FED. AID PROJECT		

PAVEMENT MARKING AND RRPM SCHEDULE - CONT.

LOCATION	THERMOPLASTIC PAVEMENT MARKING						SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING				TEMPORARY PAVEMENT MARKING REMOVAL	RRPM REMOVAL	RRPM	COMMENTS		
	LINE-4"			LINE-12"	LINE-24"	LETTERS AND SYMBOLS			LINE-4"	LINE-12"	LINE-24"	LETTERS AND SYMBOLS						
	WHITE SOLID	YELLOW SOLID	YELLOW SKIP DASH	WHITE SOLID	WHITE SOLID	FOOT			FOOT	FOOT	FOOT	FOOT					FOOT	FOOT
STATION TO STATION	WHITE SOLID	YELLOW SOLID	YELLOW SKIP DASH	WHITE SOLID	WHITE SOLID	LETTERS AND SYMBOLS	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ FT	EACH	EACH		
US 51																		
EQ. STA. 3101+03.20 (BK.) = STA. 304+62.66 (AH.)																		
	304+62.7	TO	331+78.0						204	68	679			227	45	45		
LT	304+62.7	TO	374+80.0	7017							7017			2339				
RT	304+62.7	TO	374+13.0	6950							6950			2317			EDGE LINE	
	344+67.0	TO	367+07.0						168	56	560			187	42	42		
LT	375+63.0	TO	378+65.0	302							302			101				
RT	376+44.3	TO	378+65.0	221							221			74			EDGE LINE	
LT	3051+50.0	TO	3069+31.0		1781				535	179	1781			594			NO PASSING ZONE	
LT	3097+65.0	TO	313+29.0		1205				362	121	1205			402			NO PASSING ZONE	
LT	331+78.0	TO	344+85.0		1307				393	131	1307			436			NO PASSING ZONE	
LT	365+98.0	TO	366+98.0		100				30	10	100			34			NO PASSING ZONE	
LT	366+98.0	TO	373+78.0		1360				408	136	1360			454	30	30	NO PASSING ZONE	
LT	373+78.0	TO	374+78.0		200				60	20	200			67	6	6	NO PASSING ZONE	
LT	375+73.0	TO	376+73.0	100					30	10	100			34			LEFT TURN LANE	
RT	3041+83.0	TO	3058+28.0		1645				494	165	1645			549			NO PASSING ZONE	
RT	3087+30.0	TO	3098+84.0		1154				347	116	1154			385			NO PASSING ZONE	
RT	321+09.0	TO	334+67.0		359				108	36	359			120			NO PASSING ZONE	
RT	365+98.0	TO	366+98.0		100				30	10	100			34				
RT	366+98.0	TO	373+78.0		1360				408	136	1360			454				
RT	366+98.0	TO	373+78.0											310			NO PASSING ZONE	
RT	373+78.0	TO	374+78.0	100					30	10	100	24		58	4	4	LEFT TURN LANE	
RT	375+73.0	TO	376+73.0		200				60	20	200	24		91	9	9	NO PASSING ZONE	
RT	376+73.0	TO	378+65.0		768				231	77	768	81		337	12	12	NO PASSING ZONE	
RT	373+88.0													20.8	20.8		"ONLY "	
RT	374+16.0													15.6	15.6		LT TURN ARROW	
LT	376+27.0													15.6	15.6		LT TURN ARROW	
LT	376+55.0													20.8	20.8		"ONLY "	
RAMP E																		
EQ. STA. : 24' RT STA. 378+65 (BK.) US51 = PC STA. 0+65 (AH.) RAMP E																		
LT TL	0+65	TO	14+80		1415				425	142	1415			472	14	14	EDGE LINE	
TL	0+65	TO	14+80	1415					425	142	1415			472	14	14	EDGE LINE	
RAMP F																		
EQ. STA. : 8' LT STA. 378+65 (BK.) US 51 = PC STA. 378+65 (AH.) RAMP F																		
LT & RT	378+65	TO	390+20.13	1155	1155				347	116	2310			770	26	26	EDGE LINE	
OMIT SN 091-0071 STA. 390+20.13 TO STA. 392+54.09																		
EQ. STA. : 1' LT STA. 390+50.13 (BK.) RAMP F = PC STA. 390+59.67 (AH.) RAMP F																		
LT & RT	390+59.67	TO	399+80	920	920				276	92	1840			614	21	21	EDGE LINE	
SUB-TOTALS																		
				18180	15029	1239	439	0	72.8	5371	1793	34448	439	0	72.8	12004.8	223	223
PROJECT TOTALS																		
				127205			1133	66	254.8	18166	6068	127205	1133	66	254.8	43949.8	799	799

* ALL LETTERS AND SYMBOLS SHALL BE OF THE LARGE SIZE

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 OFFICE: DISTRICT OFFICE
 DATE: 6/24/2021

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/24/2021	DATE -	REVISED -

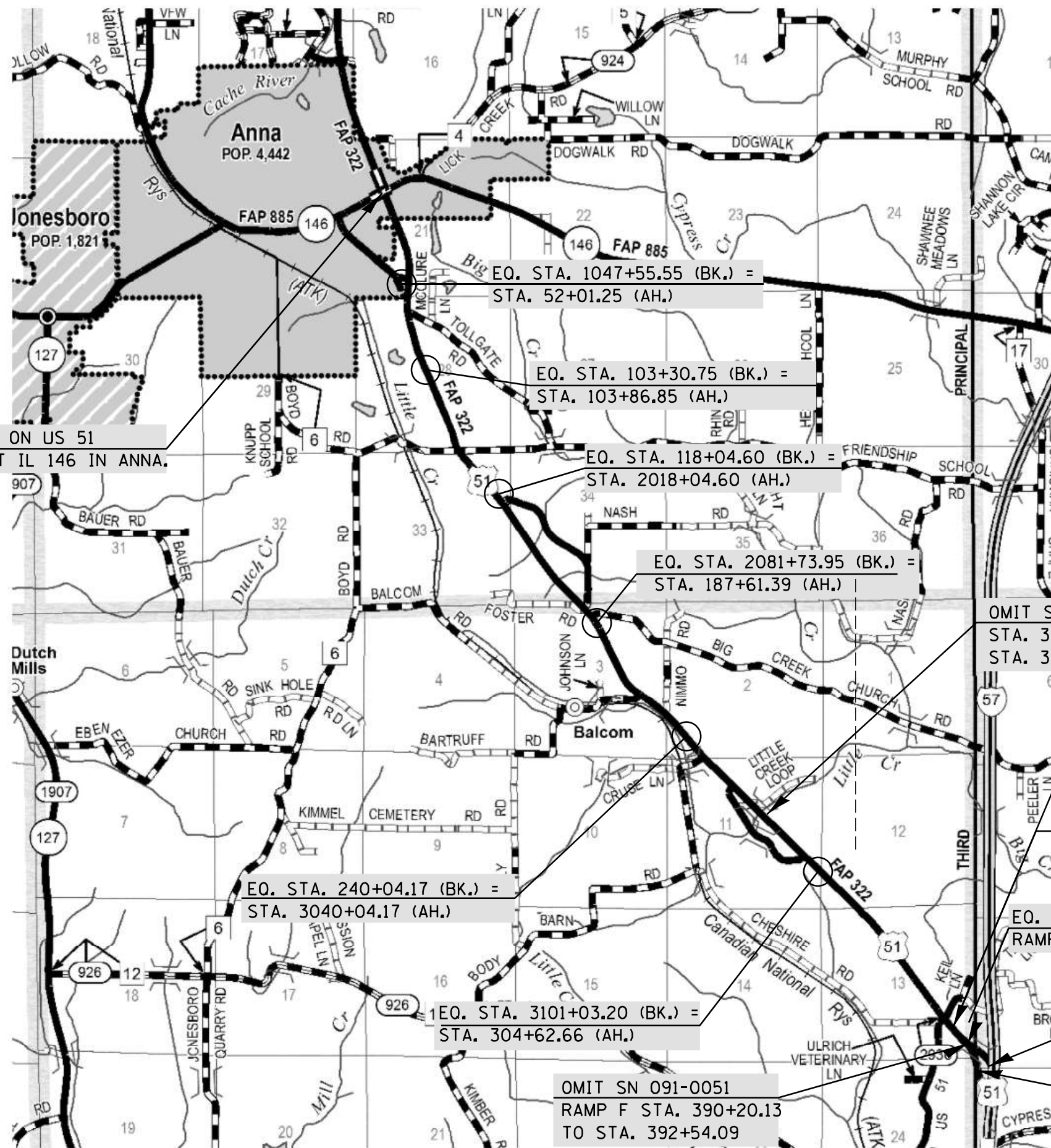
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY, SHORT TERM AND
THERMOPLASTIC PAVEMENT MARKING SCHEDULE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	17
CONTRACT NO. 78873				
ILLINOIS FED. AID PROJECT				

REV. - MS



PROJECT BEGINS ON US 51
STA. 1000+33 AT IL 146 IN ANNA.

EQ. STA. 1047+55.55 (BK.) =
STA. 52+01.25 (AH.)

EQ. STA. 103+30.75 (BK.) =
STA. 103+86.85 (AH.)

EQ. STA. 118+04.60 (BK.) =
STA. 2018+04.60 (AH.)

EQ. STA. 2081+73.95 (BK.) =
STA. 187+61.39 (AH.)

OMIT SN 091-0071
STA. 3073+47.71 TO
STA. 3075+72.29

EQ. STA. : 24' RT STA. 378+65 (BK.)
US51 = PC STA. 0+65 (AH.) RAMP E

EQ. STA. : 8' LT STA. 378+65 (BK.)
US51 = PC STA. 378+65 (AH.) RAMP F

EQ. STA. : 1' LT STA. 390+50.13 (BK.)
RAMP F = PC STA. 390+59.67 (AH.) RAMP F

EQ. STA. 240+04.17 (BK.) =
STA. 3040+04.17 (AH.)

EQ. STA. 3101+03.20 (BK.) =
STA. 304+62.66 (AH.)

OMIT SN 091-0051
RAMP F STA. 390+20.13
TO STA. 392+54.09

PROJECT ENDS ON
RAMP F STA. 399+80

PROJECT ENDS ON
RAMP E STA. 14+80

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 PROJECT: 78873

USER NAME = kelleykd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/24/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

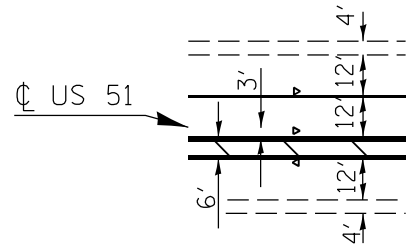
LOCATION MAP: FAP 322 (US 51) FROM THE INTERSECTION
OF IL 146 SOUTHERLY TO RAMP E AND RAMP F OF I-57

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	18
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78873	

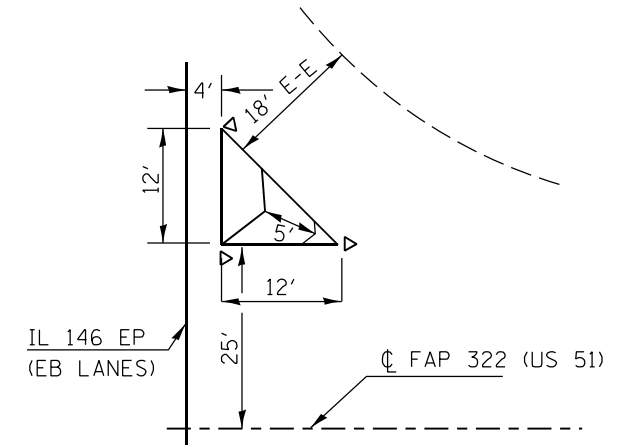


DETAIL OF
LANE WIDTHS



PAVEMENT MARKING DETAIL
FAP 322 (US 51)
STA. 1000+33 TO STA. 1010+44

PR THPL PAVEMENT MARKING
DETAILS SOUTHEAST QUAD



PR THPL PAVEMENT MARKING
- LINE 4"; (SEE SOUTHEAST ISLAND
DETAIL, THIS SHEET)
LT. STA. 1000+34 TO
LT. STA. 1000+46 - 78'
PR THPL PAVEMENT MARKING
MARKING - LINE 24"
LT. STA. 1000+44 - 16'

PR THPL PAVEMENT MARKING
- LINE 4"; (SEE SOUTHWEST ISLAND
DETAIL, THIS SHEET)
RT. STA. 1000+41 TO
RT. STA. 1000+56 - 82'

PR THPL PAVEMENT MARKING
MARKING - LINE 24"
RT. STA. 1000+56 - 20'

PR THPL PAVEMENT MARKING
MARKING - LINE 24"
LT. STA. 1000+36 - 18'

PR THPL PAVEMENT
MARKING - LINE 24"
STA. 1000+49 - 12'

PR THPL PAVEMENT MARKING - LINE 4"
LT. STA. 1000+50 TO LT. STA. 1003+13 -
263'

PR THPL PAVEMENT MARKING - LINE 4"
LT. STA. 1000+94 TO LT. STA. 1010+44 - 950'
(EDGE LINE)

PR THPL PAVEMENT MARKING - LINE 12"
STA. 1000+50 TO STA. 1010+23 - 482'
(DIAGONALS)

PR THPL PAVEMENT MARKING
- LINE 4"; RT. STA. 1001+09 TO
RT. STA. 1010+44 - 935'
(EDGE LINE)

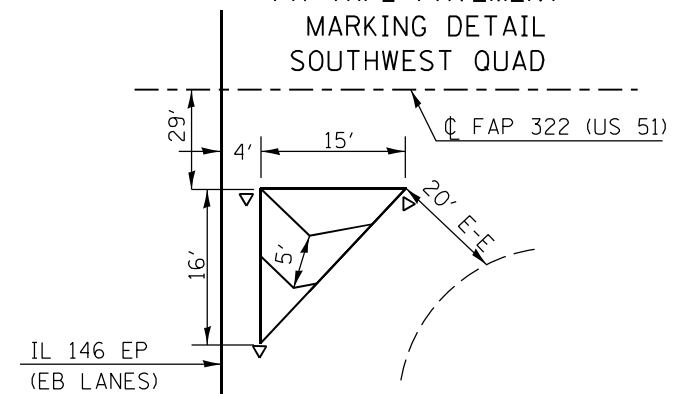
PR THPL PAVEMENT MARKING - LINE 4"
STA. 1000+50 TO STA. 1010+23 - 3892'
(DBL. YELLOW MEDIAN)

PR THPL PAVEMENT MARKING - LTRS & SYMB
"LT. ARROW" - STA. 1002+67; 15.6 S.F.
"ONLY" - STA. 1002+95; 20.8 S.F.

SEE DETAIL
AT TOP OF
THIS SHEET.

PR THPL PAVEMENT MARKING - LTRS & SYMB
"LT. ARROW" - STA. 1001+17; 15.6 S.F.
"ONLY" - STA. 1001+45; 20.8 S.F.

PR THPL PAVEMENT
MARKING DETAIL
SOUTHWEST QUAD



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

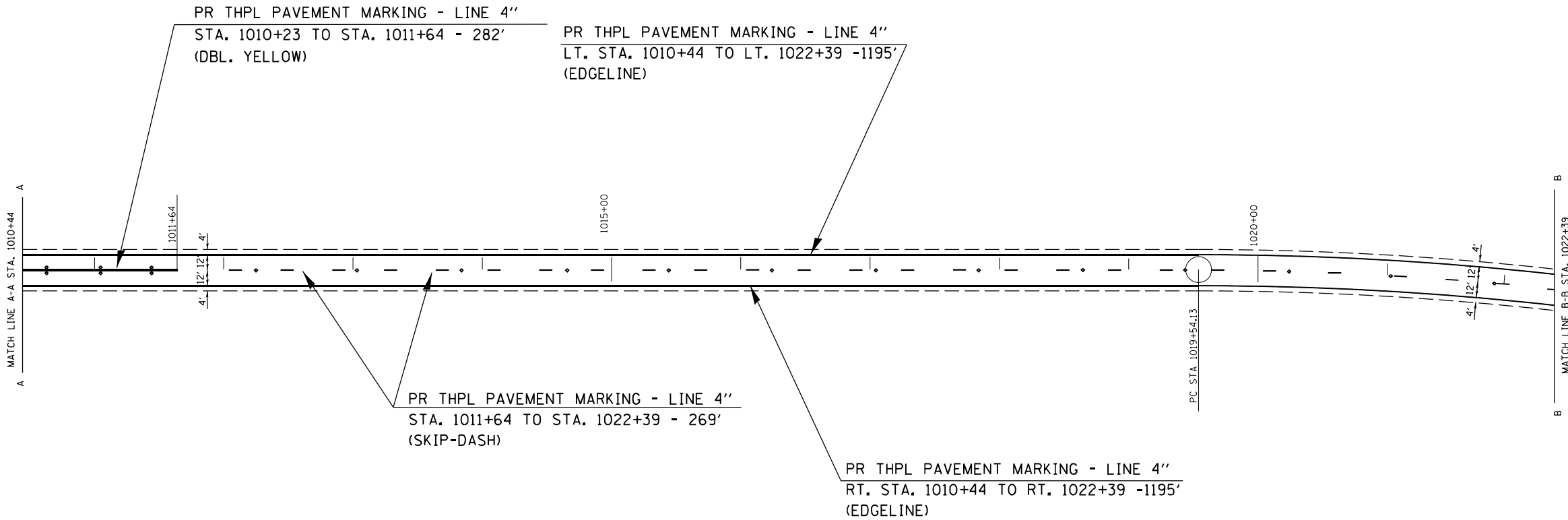
PAVEMENT MARKING DETAIL

SCALE: SHEET 1 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	19
CONTRACT NO. 78873				
ILLINOIS FED. AID PROJECT				

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PAVEMENT MARKING DETAIL
 FAP 322 (US 51)
 STA. 1010+44 TO STA. 1022+39



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PLOT DATE = 6/24/2021	DATE -	REVISED -

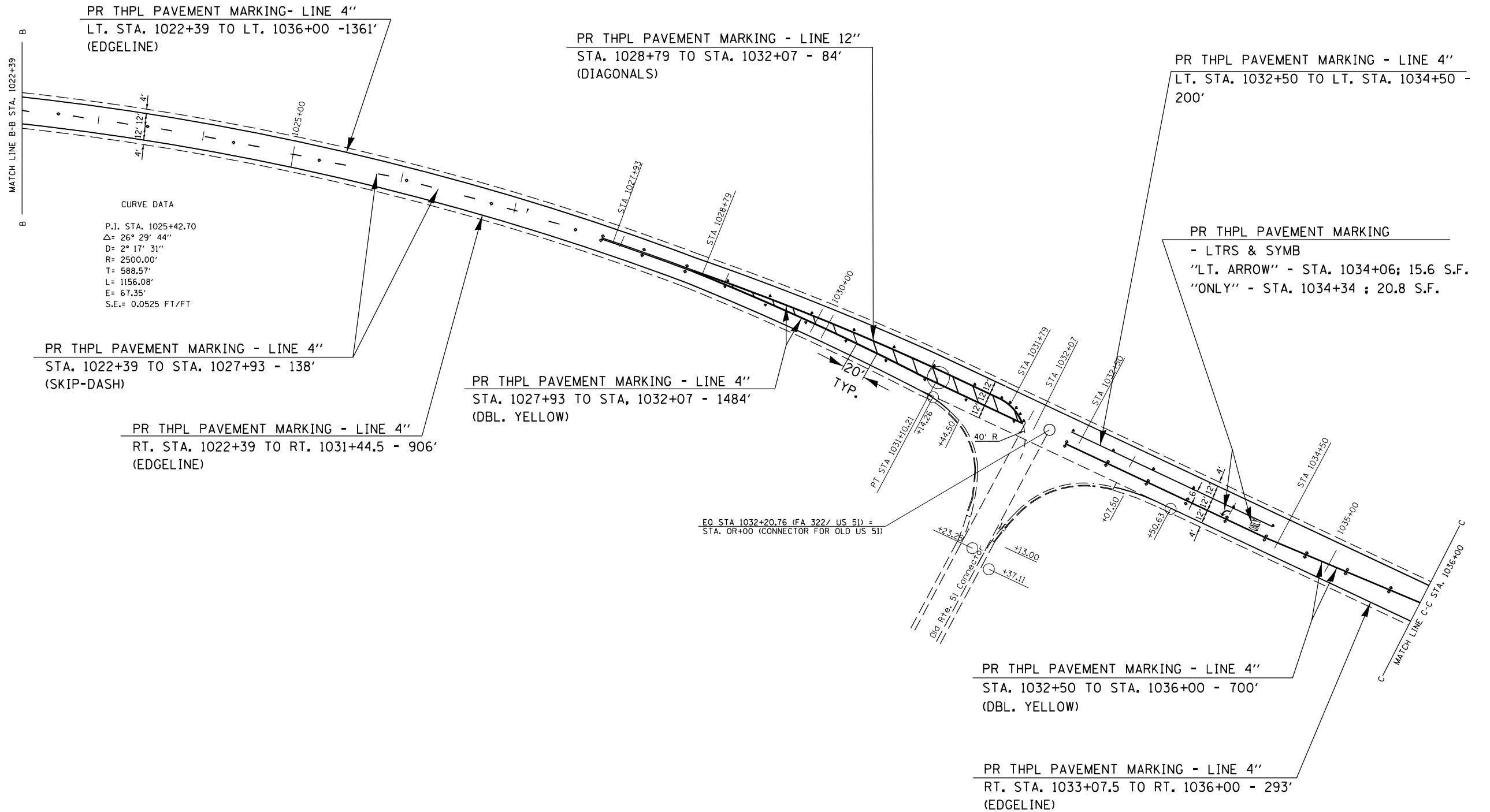
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	20
CONTRACT NO. 78873				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING DETAIL
 FAP 322 (US 51)
 STA. 1022+39 TO STA. 1036+00



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	DRAWN -	REVISED -
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PLOT DATE = 6/24/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

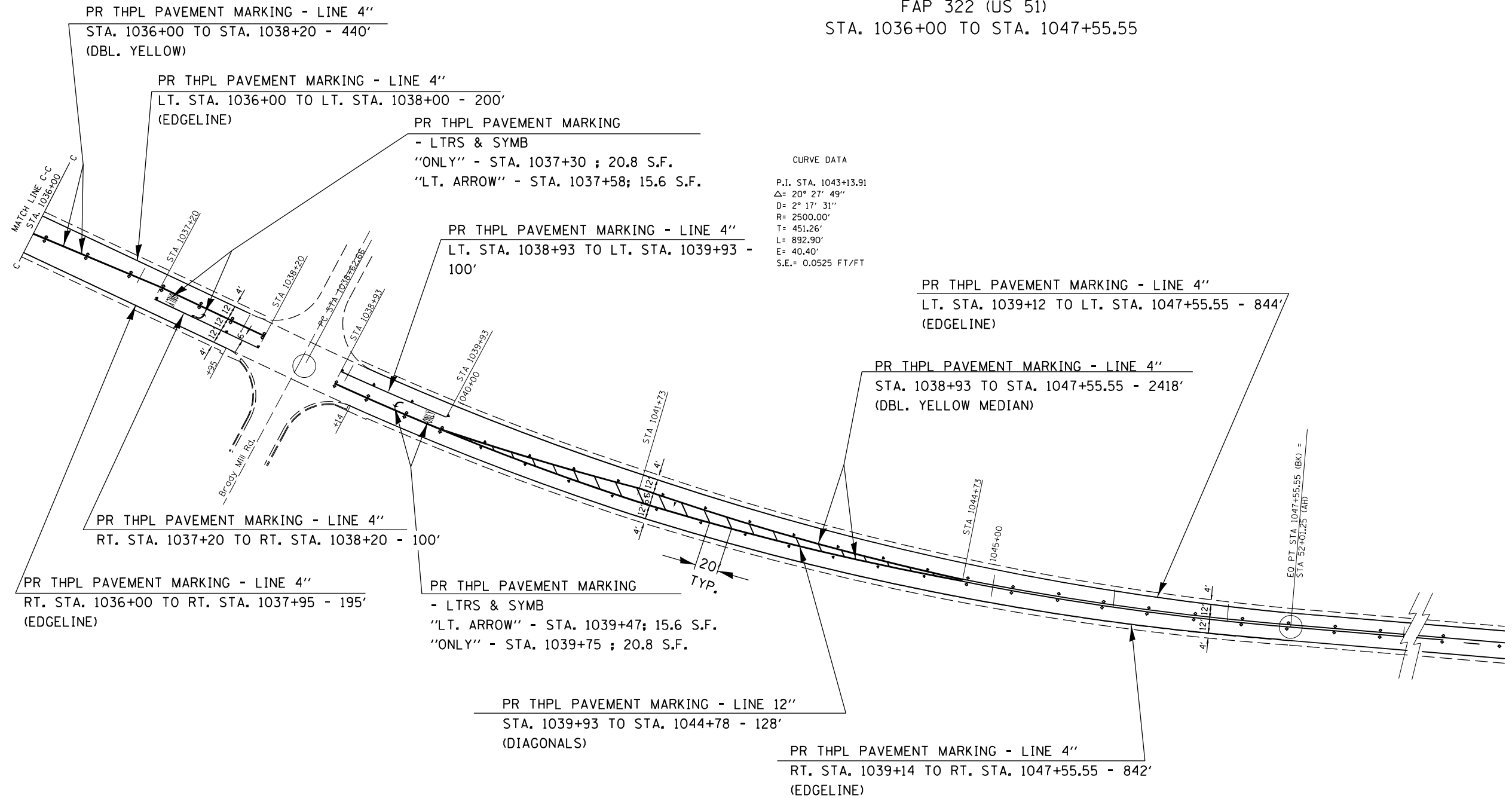
PAVEMENT MARKING DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	21
CONTRACT NO. 78873				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING DETAIL
 FAP 322 (US 51)
 STA. 1036+00 TO STA. 1047+55.55



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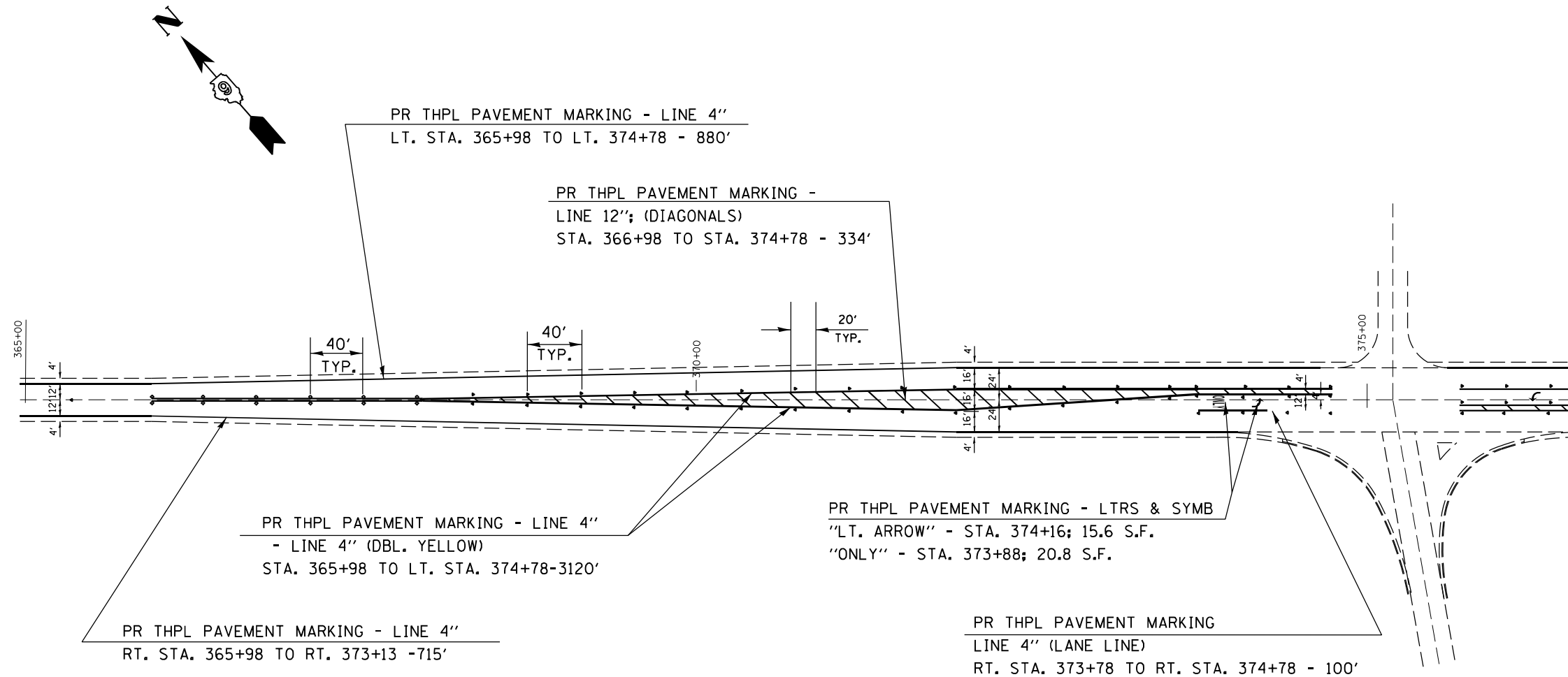
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/24/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13R5-4	UNION	25	22
CONTRACT NO. 78873				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING DETAIL
 FAP 322 (US 51)
 STA. 365+98 TO STA. 378+65



MODEL: Default
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 OFFICE: District 9
 DATE: 6/24/2021

USER NAME = kellekyl	DESIGNED -	REVISED -
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PLOT DATE = 6/24/2021	DATE -	REVISED -

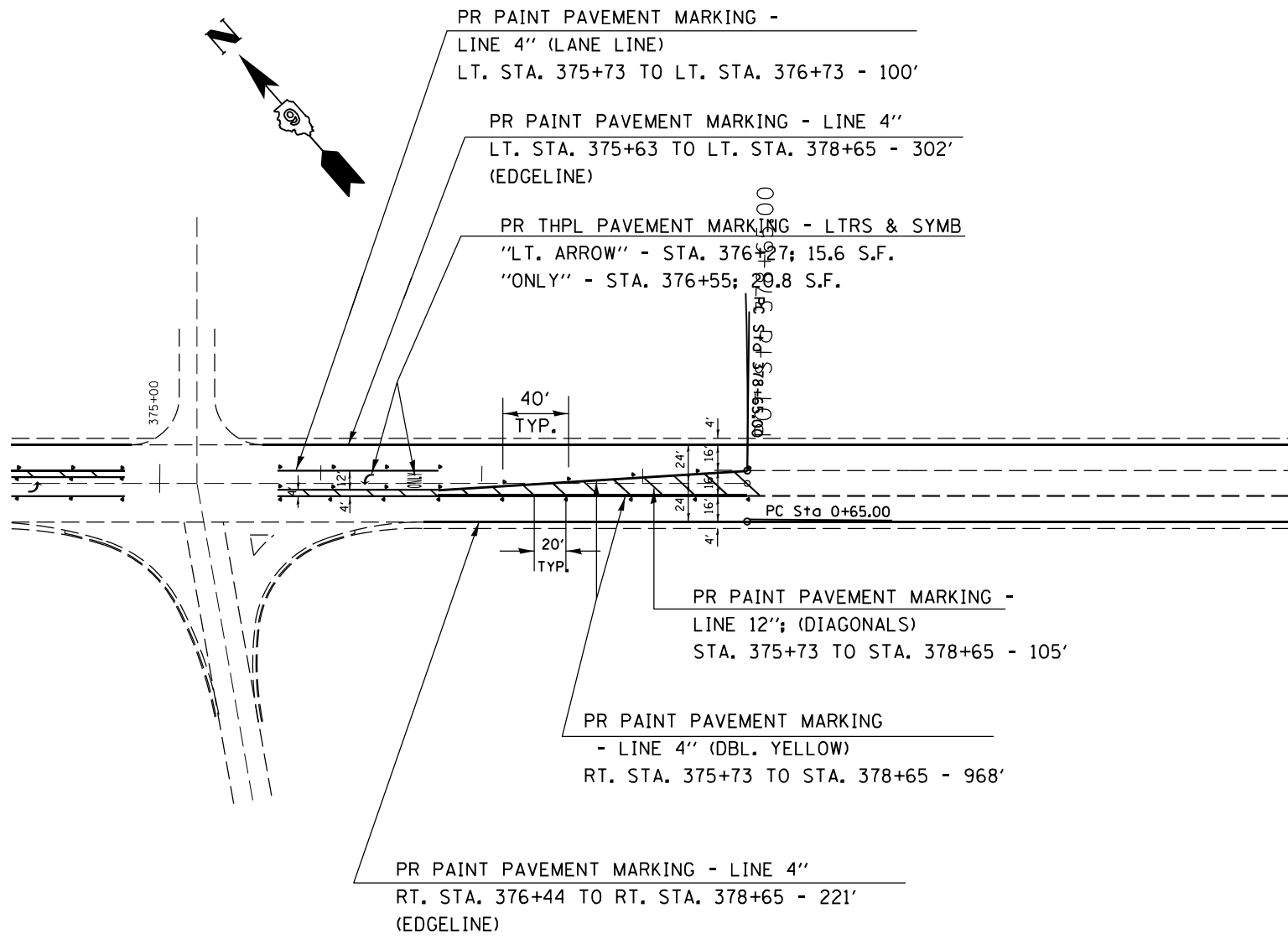
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 322	SECTION 13R5-4	COUNTY UNION	TOTAL SHEETS 25	SHEET NO. 23
CONTRACT NO. 78873				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING DETAIL
 FAP 322 (US 51)
 STA. 365+98 TO STA. 378+65



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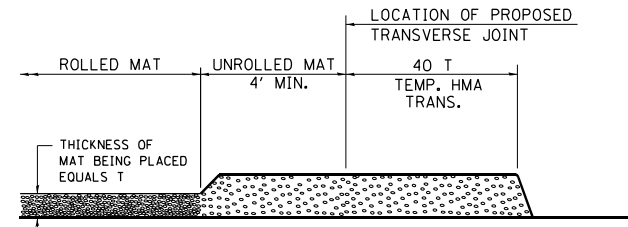
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	24
CONTRACT NO. 78873				
ILLINOIS FED. AID PROJECT				

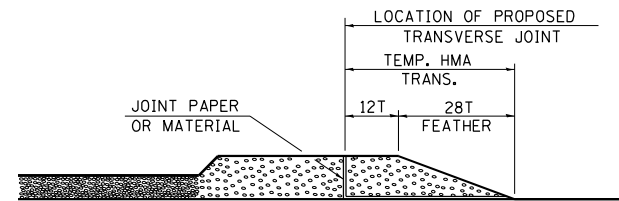
TEMPORARY HOT-MIX ASPHALT TRANSITIONS

ILLINOIS STANDARD



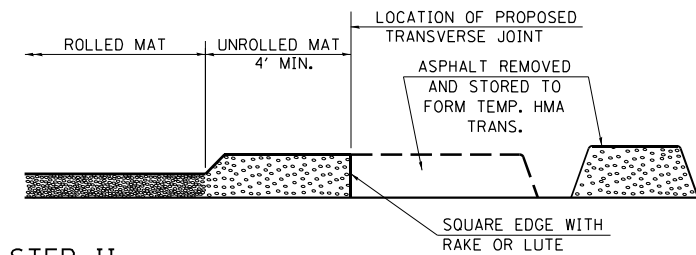
STEP I

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.



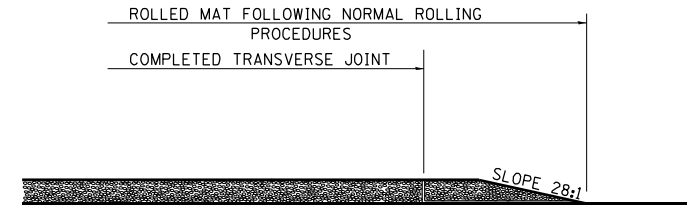
STEP III

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 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.

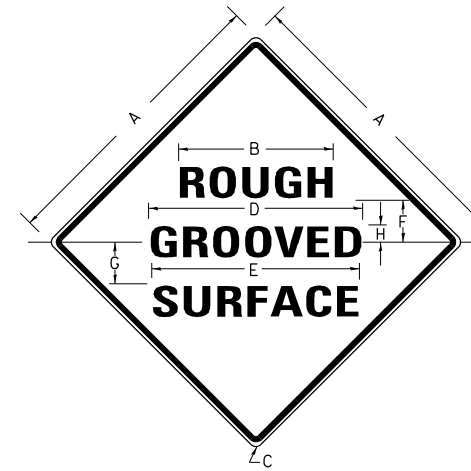


STEP IV

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.

STD. 9-26

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



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.

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

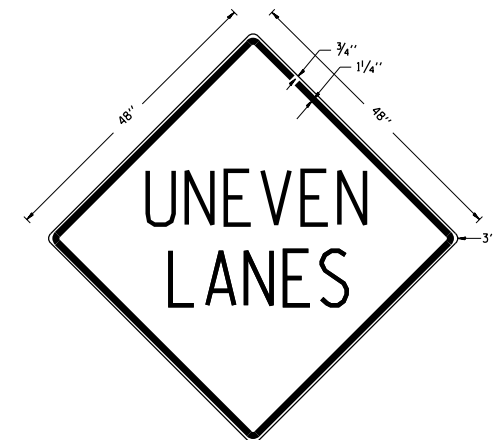
REVISIONS

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

STD. 9-39

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS: TEMP HMA TRANSITIONS, ROUGH
GROOVED SURFACE AND UNEVEN LANES SIGN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	13RS-4	UNION	25	25
CONTRACT NO. 78873				
ILLINOIS FED. AID PROJECT				

USER NAME = kellekyl	DESIGNED -	REVISED -
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	DATE -	REVISED -