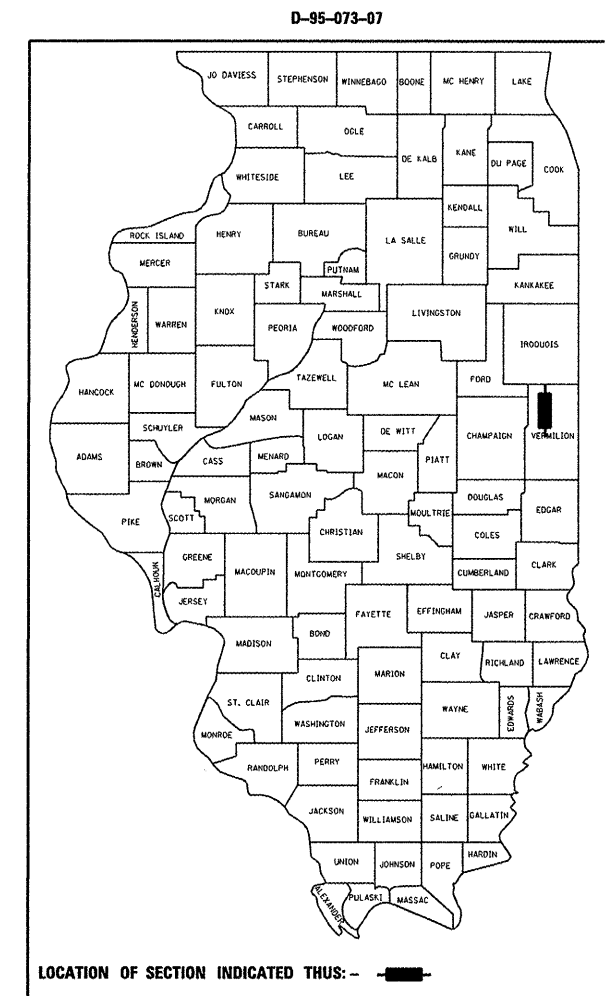


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	1

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PROPOSED
 HIGHWAY PLANS**

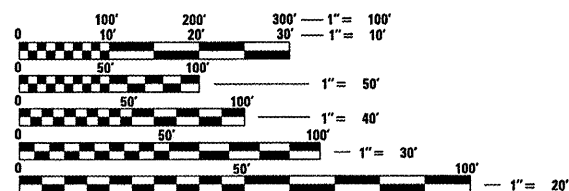
FAP ROUTE 840 (IL 49)
 SECTION 122 RS-4
 VERMILION COUNTY
RESURFACING (3P) FROM FAST CREEK TO THE IROQUOIS COUNTY LINE



FOR INDEX OF SHEETS, SEE SHEET NO. 2
 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-5

CURRENT TRAFFIC DATA			
	1282+10 TO 1286+69	1286+69 TO 1391+25.75	
	LEG "A"	LEG "B"	
CURRENT ADT =	1,800	950	(2009)
20 YR ADT =	2,150	1,150	(2029)
P.U. & P.C. % =	85.8	76.3	(2009)
SU % =	8.5	6.4	(2009)
MU % =	5.7	17.3	(2009)

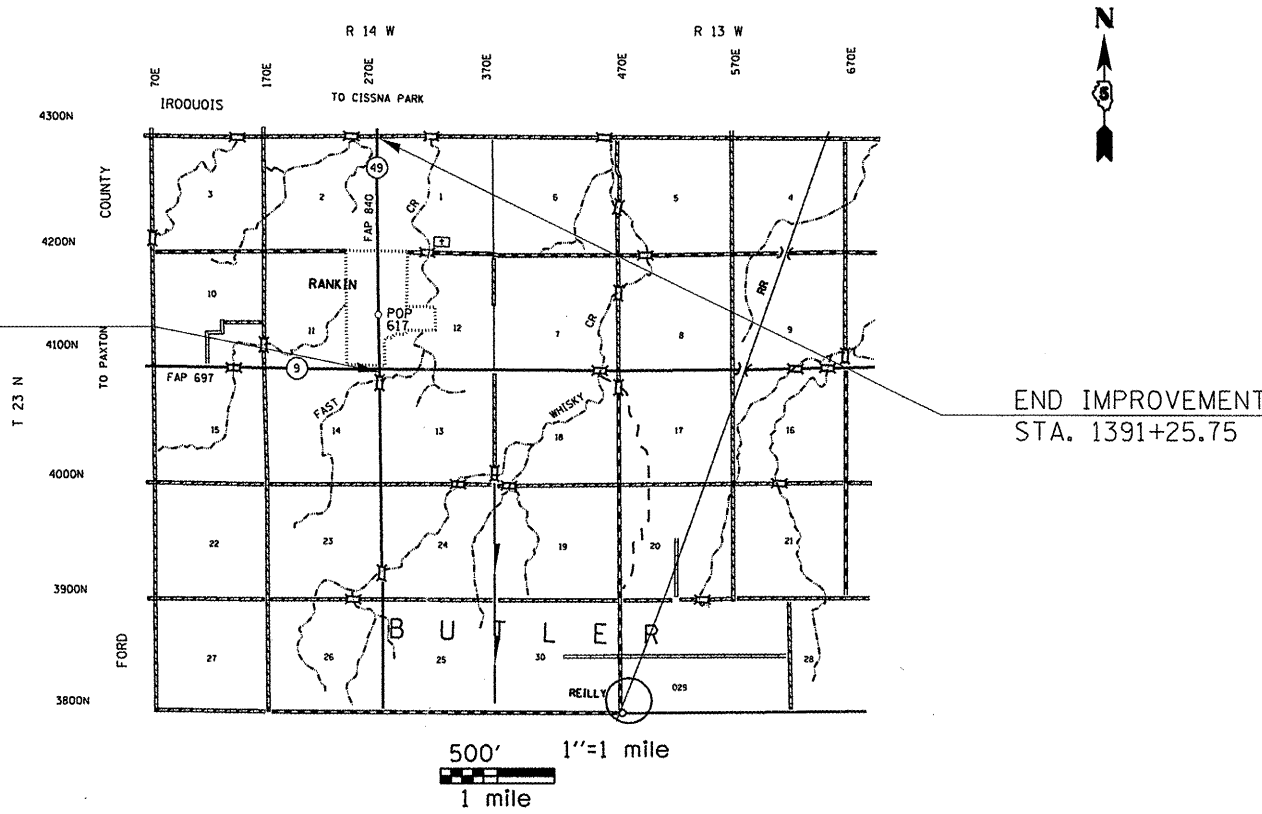
DESIGN DESIGNATION
 MINOR ARTERIAL



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

C-95-073-07



TOTAL LENGTH = 10,915.75 ft = 2.067 miles
 NET LENGTH = 10,915.75 ft = 2.067 miles

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED 1/25 20 10
Joseph E. Bowen
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 19, 20 10
Scott E. Stett P.E. RD
 ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 20 10
Christine M. Reed RD
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

PROJECT ENGINEER: KEVIN TRAPP (217)465-4181
 SQUAD LEADER: JEFF SHERER
 DESIGNER: RANDY AUSTIN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
84D	122 RS-4	VERMILION	42	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS & HIGHWAY STANDARDS
3	GENERAL NOTES / COMMITMENTS
4-5	SUMMARY OF QUANTITIES
6-9	EXISTING AND PROPOSED TYPICAL CROSS-SECTIONS
10-13	SCHEDULE OF QUANTITIES
14	TIE POINTS / BENCHMARKS
15-25	PLAN SHEETS
26-34	PAVEMENT MARKING DETAIL
35	HMA SURFACE REMOVAL-BUTT JOINT & MILLING TRANSITION DETAIL
36	PERMANENT SURVEY MARKERS (TYPE IV & ADJUSTED)
37	TRAFFIC CONTROL & PROTECTION DEVICES (ROAD & SIDEROAD/STREET CLOSURES)
38-41	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
42	SURVEY MARKER VAULT

LIST OF HIGHWAY STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
667101-01	PERMANENT SURVEY MARKERS
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
701011-02	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS \geq 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-01	TRAFFIC CONTROL AND PROTECTION DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATION OF RAISED REFLECTIVE PAVEMENT MARKERS

PLOT DATE
FILE NAME
PLOT SCALE
USER NAME

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS
&
HIGHWAY STANDARDS

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS CONTRACT.

GENERAL NOTES

G.N.-100
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-105.09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-406
THE QUANTITIES INCLUDED IN THE PLANS FOR BITUMINOUS CONCRETE RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE BITUMINOUS MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N.-406.05b
ALL LEVELING BINDER OR BINDER SHALL BE GIVEN A FOG COAT OF PRIME BEFORE THE SURFACE COURSE IS PLACED WHEN DIRECTED BY THE ENGINEER.

THE FOG COAT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER GALLON FOR BITUMINOUS MATERIAL (PRIME COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-406H

MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Location(s):	IL-49	IL-49
Mixture Use(s):	Surface	Level Binder
AC/PG:	PG 64-22	PG 64-22
RAP % (Max)**	15%	25%
Design Air Voids:	4.0% @ Ndes=50	4.0% @ Ndes=50
Mix Comp:(Gradation	IL 9.5	IL 9.5
Friction Aggregate:	Mix C	Mix C

GENERAL NOTES

G.N.-667
THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR SETTING THESE MARKERS.

G.N.-703A
SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N.-781
RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPENCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

G.N.-1004.01
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

COMMITMENTS
&
GENERAL NOTES

SCALE: VERT. _____
DATE: _____ HORIZ. _____
DRAWN BY _____
CHECKED BY _____

FILE DATE = 1/25/2018
FILE NAME = A:\PROJECTS\70693\DRAWINGS\70693-122-RS-4-03.dwg
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USER NAME = buckleyj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL	FAP 840 (IL 49)	FAP 840 (IL 49)
				VERMILION CO. RURAL 100 % STATE	VERMILION CO. VIL. OF RANKIN RURAL 100% CITY
				I-000	I-000
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	4,009.0	3,196.0	813.0
40600300	AGGREGATE(PRIME COAT)	TON	81.0	64.0	17.0
40600625	LEVEL BINDER (MACHINE METHOD), N50	TON	764.0	764.0	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL- BUTT JOINT	SQ YD	87.0	87.0	
40600990	TEMPORARY RAMP	SQ YD	39.0	39.0	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C" ,N50	TON	3,368.0	2,685.0	683.0
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	18,176.0	18,176.0	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	21,438.0	13,309.0	8,129.0
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	598.0	598.0	
60266600	VALVE BOXES TO BE ADJUSTED	EACH	7.0	7.0	
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	6.0	6.0	
66700110	PERMANENT SURVEY MARKERS TO BE ADJUSTED	EACH	1.0	1.0	

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 PLOT SCALE = 42.3029 / IN.
 USER NAME = bchaharj

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: VERT. DATE
 HORIZ.

DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	5
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

			FAP 840 (IL 49) VERMILION CO. RURAL 100 % STATE I-000	FAP 840 (IL 49) VERMILION CO. VIL. OF RANKIN RURAL 100% CITY I-000
67100100	MOBILIZATION	L SUM	1.0	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0	1.0
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1.0	1.0
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	2,553.0	2,553.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	666.0	666.0
* 78000200	THERMOPLASTIC PAVEMENT MARKING-LINE 4"	FOOT	19,632.0	19,068.0
* 78000400	THERMOPLASTIC PAVEMENT MARKING-LINE 6"	FOOT	397.0	397.0
* 78000650	THERMOPLASTIC PAVEMENT MARKING-LINE 24"	FOOT	144.0	144.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	142.0	142.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	142.0	142.0
X0301232	SURVEY MARKER VAULT	EACH	4.0	4.0
*SPECIALTY ITEM				

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: VERT. DATE
 HORIZ. DRAWN BY
 CHECKED BY

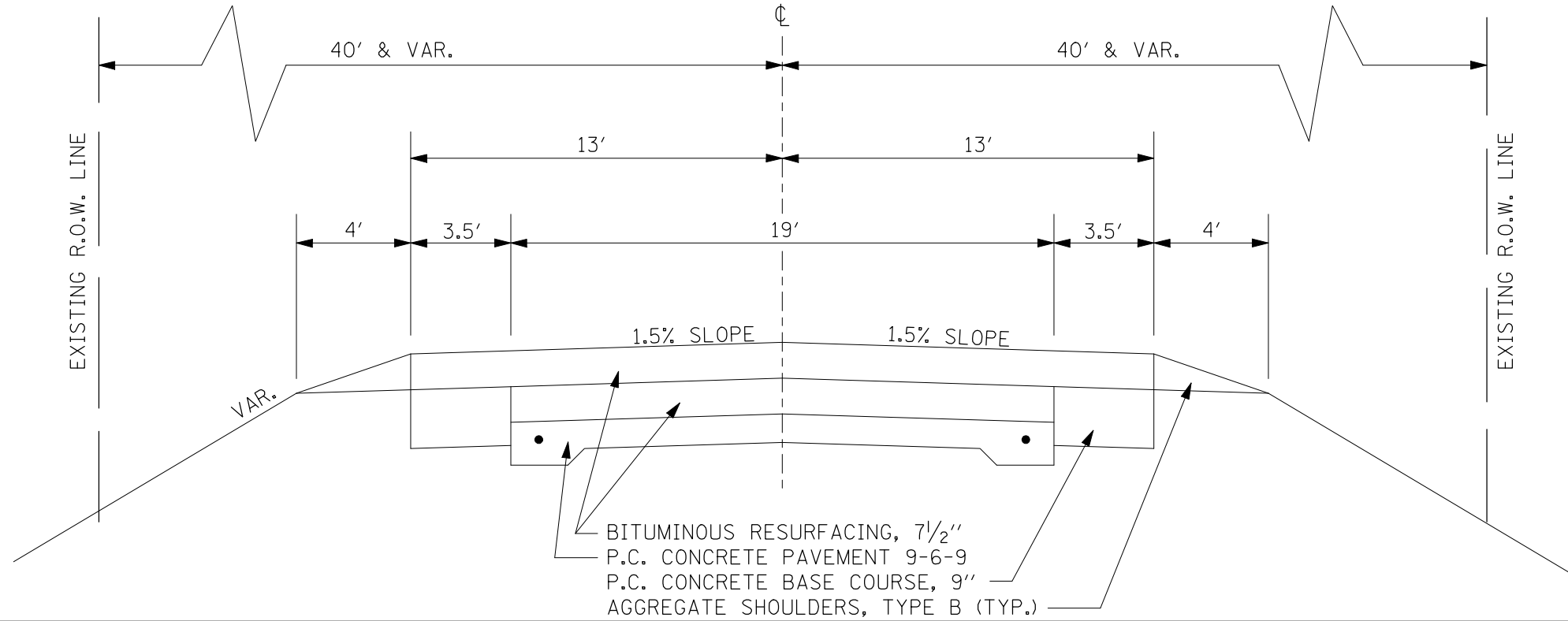
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	6

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

EXISTING TYPICAL CROSS SECTION

STATION TO STATION

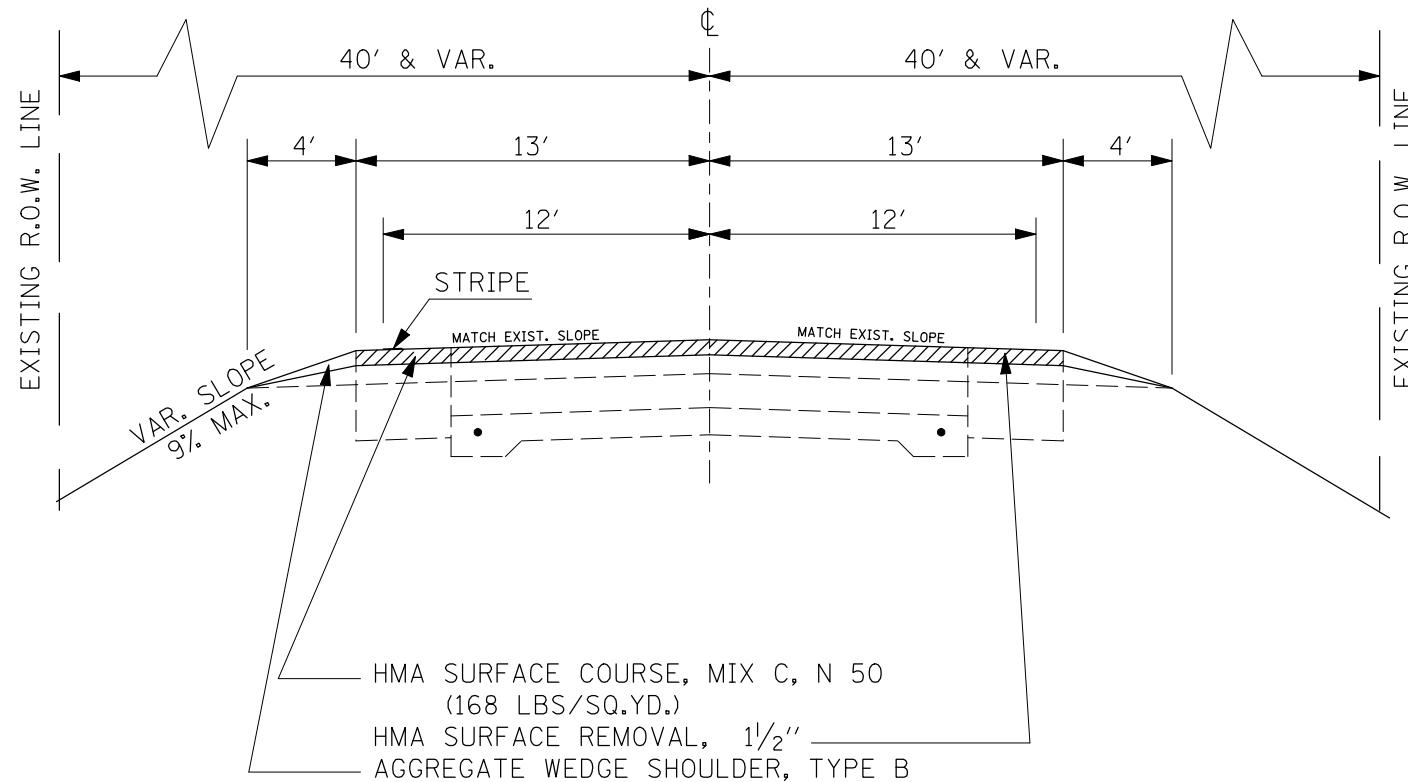
1282+10 - 1285+34



① PROPOSED TYPICAL CROSS SECTION

STATION TO STATION

① 1282+10 - 1285+34 ②



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED
(IL 49)
TYPICAL SECTIONS

SCALE: VERT.
HORIZ.
DATE

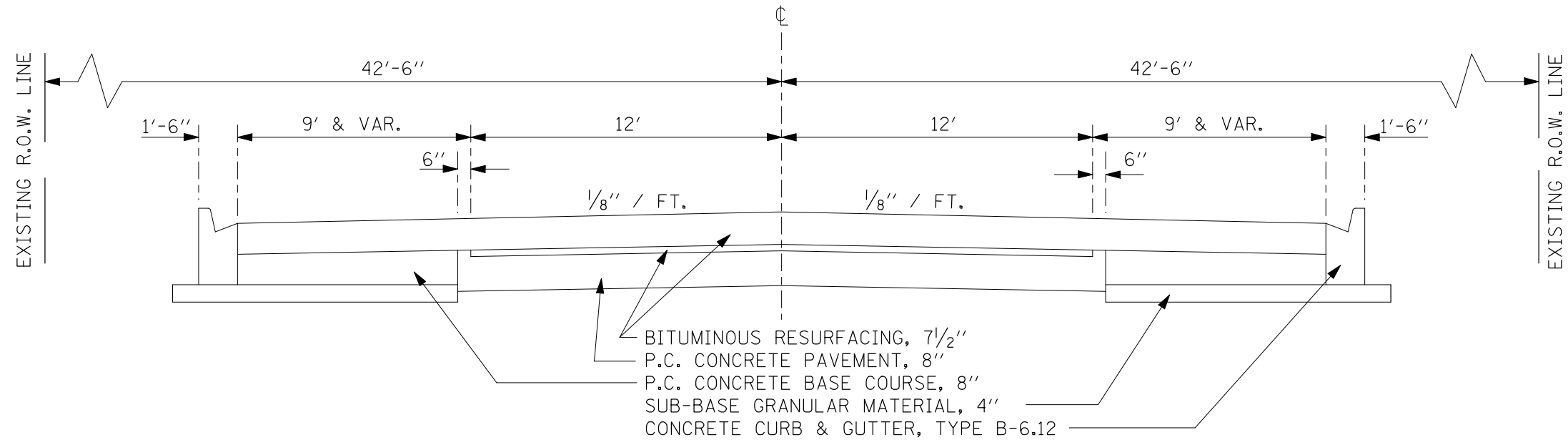
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING TYPICAL CROSS SECTION

STATION TO STATION

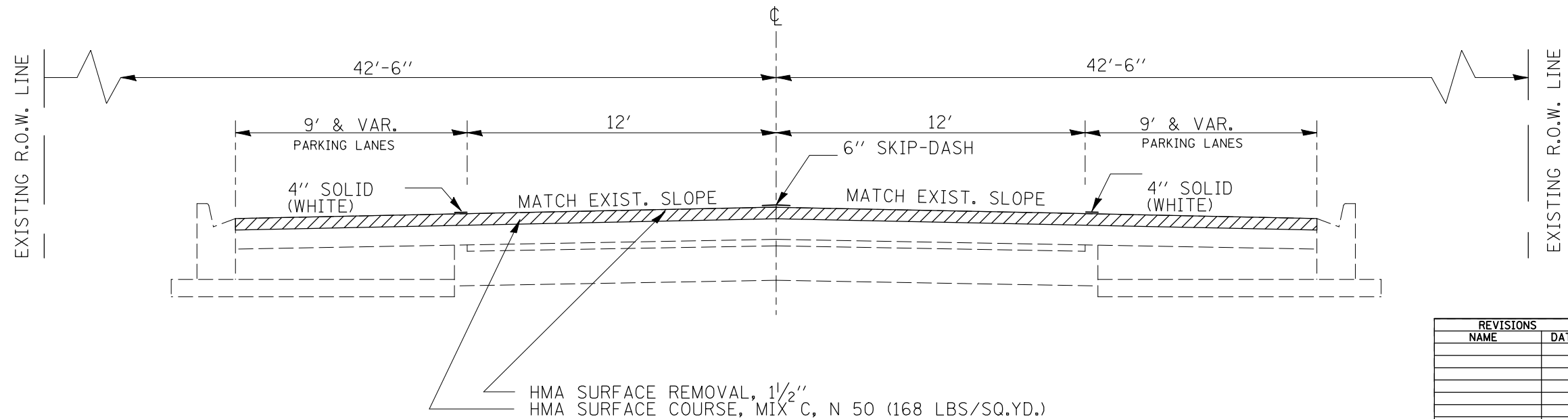
1285+34 - 1307+00
 1314+05 - 1328+04
 520+37.2 - 524+43.7 (IL 9)



② PROPOSED TYPICAL CROSS SECTION

STATION TO STATION

① 1285+34 - 1307+00 ③
 ③ 1314+05 - 1328+04 ④
 * 520+37.2 - 524+43.7 (IL 9)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING & PROPOSED
 (IL 49)
 TYPICAL SECTIONS

SCALE: VERT.
 HORIZ.
 DATE

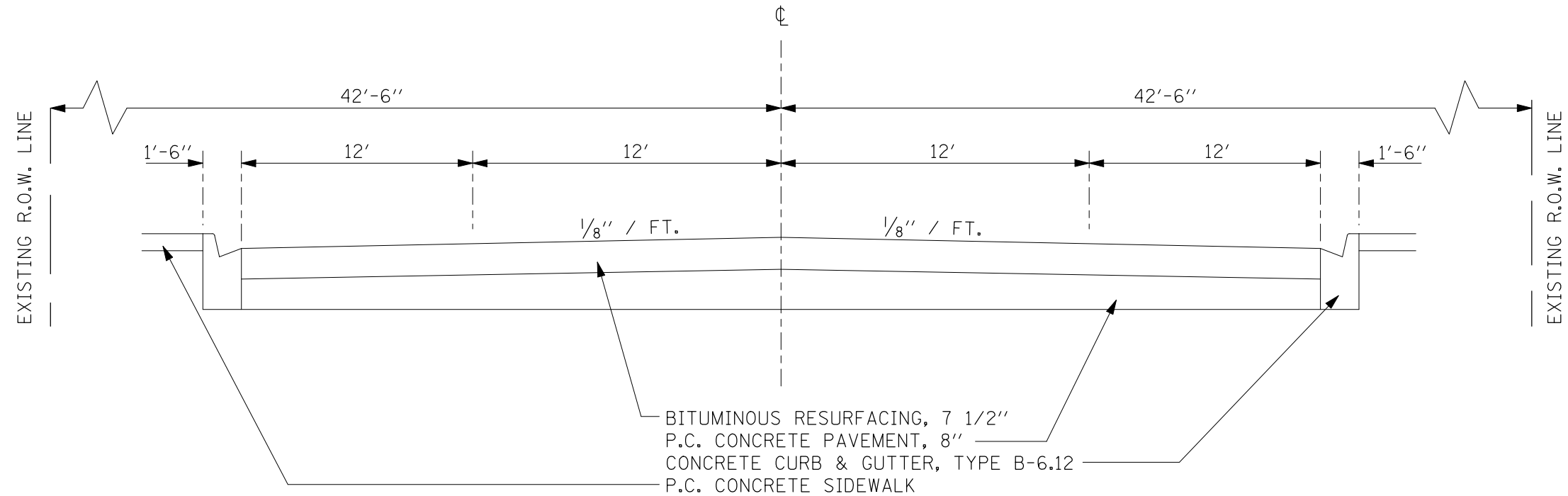
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 PLOT SCALE = 42,362% / IN.
 USER NAME = bucklesjj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	8
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING TYPICAL CROSS SECTION

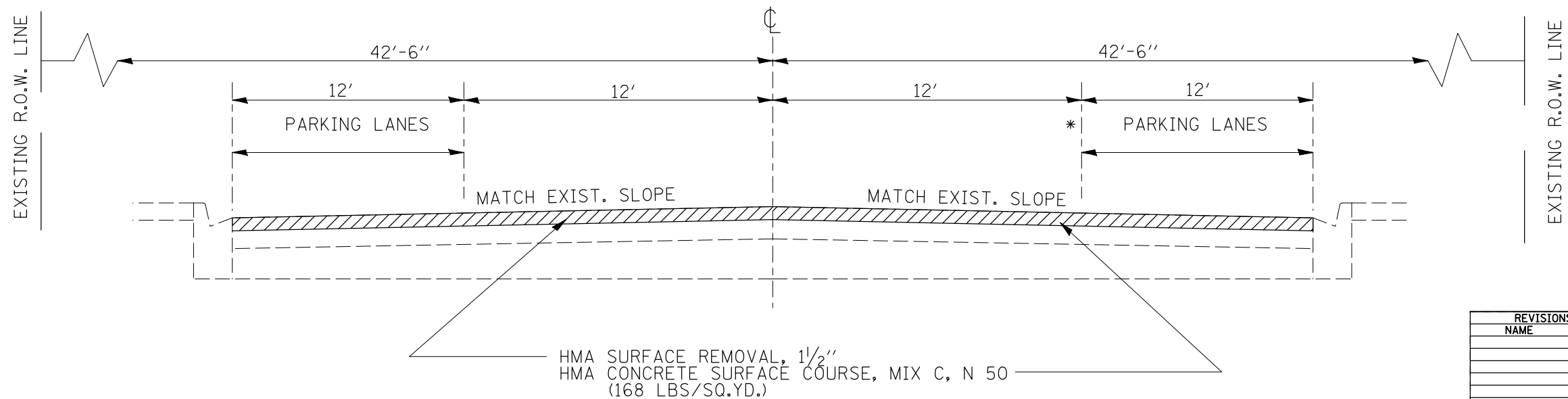
STATION TO STATION
1307+00 - 1314+05



③ PROPOSED TYPICAL CROSS SECTION

STATION TO STATION

② * 1307+00 - 1314+05 ②



* SEE PAVEMENT MARKING DETAIL FOR VILLAGE OF RANKIN PARKING LANE LOCATIONS (SHEETS 26-34 OF 42)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED
(IL 49)
TYPICAL SECTIONS

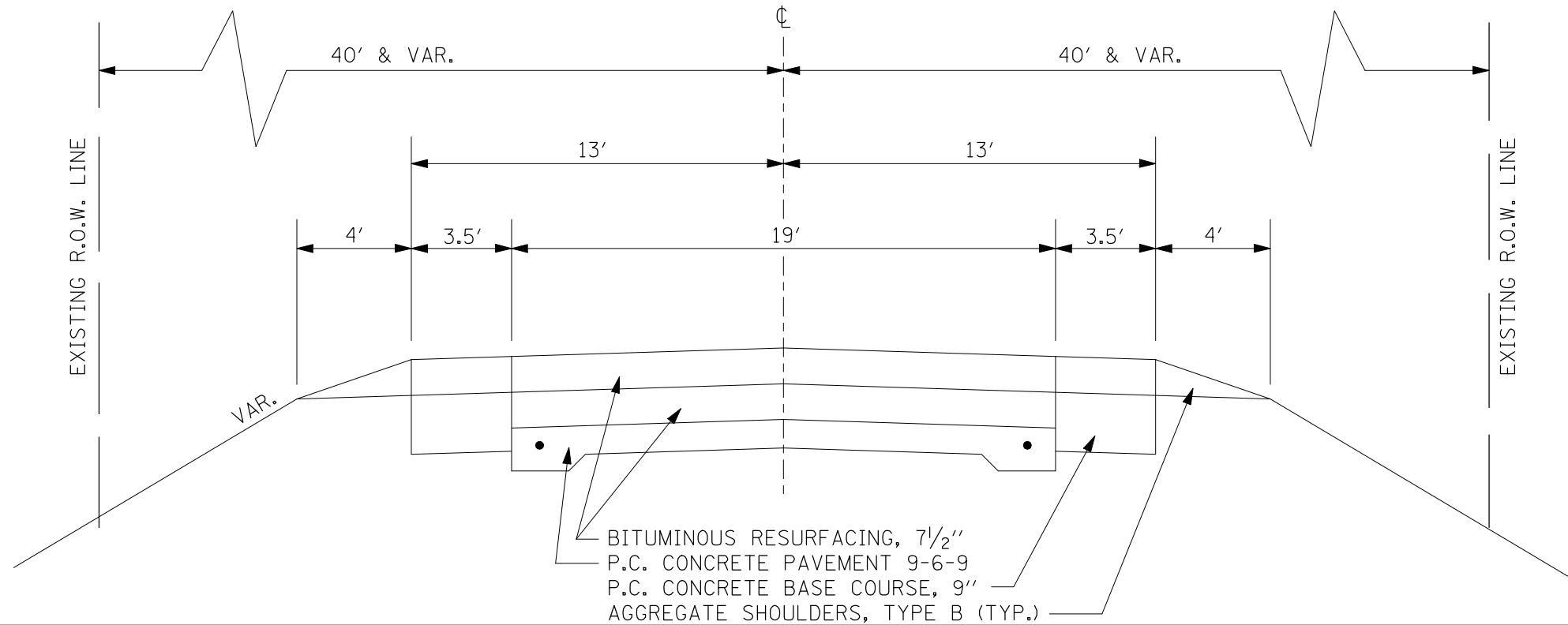
SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

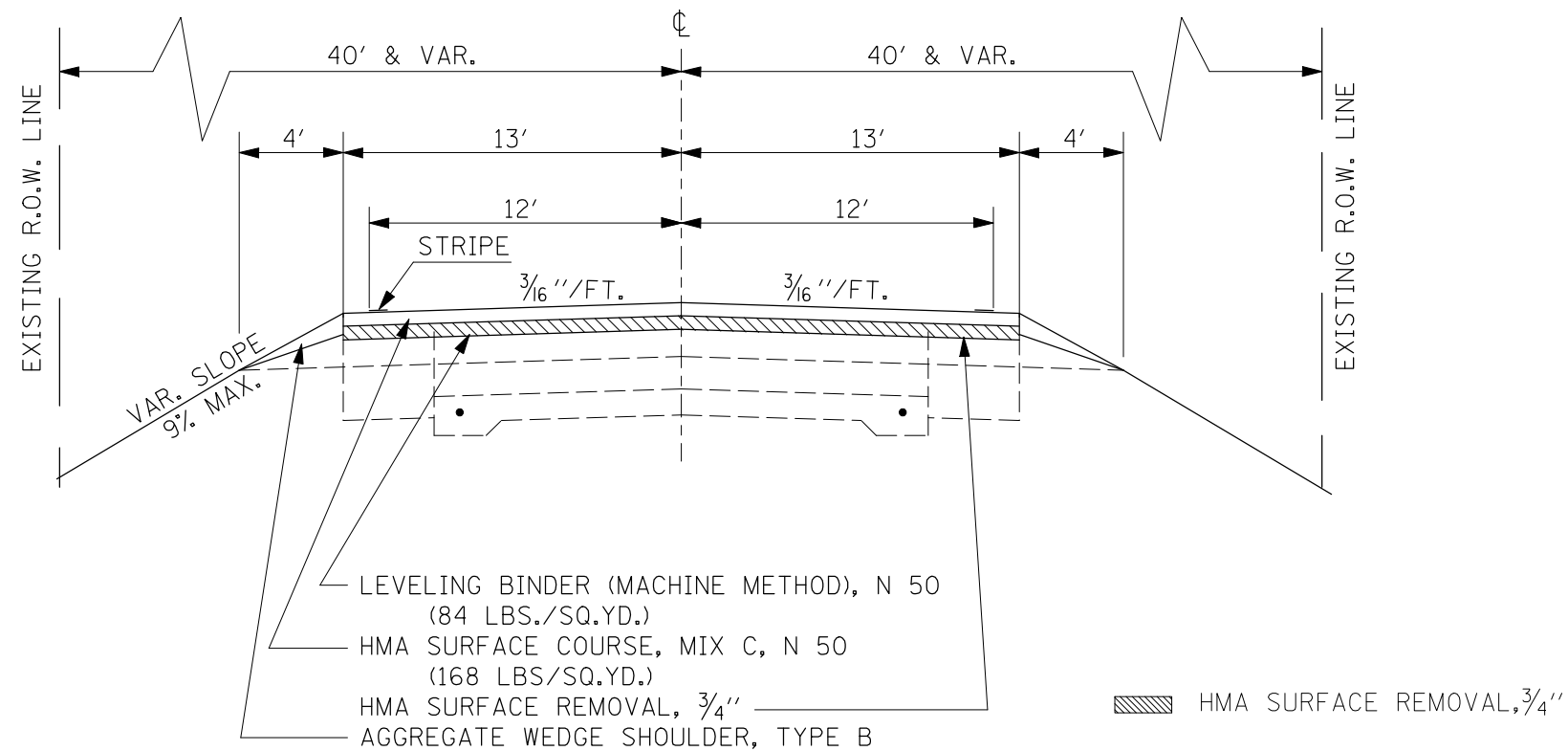
EXISTING TYPICAL CROSS SECTION

STATION TO STATION
1328+04 - 1391+55.75



④ PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
② 1328+04 - 1391+55.75



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED
(IL 49)
TYPICAL SECTIONS

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

PLOT DATE = 1/25/2010
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PLOT SCALE = 42,352% / IN.
USER NAME = bucklesj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HOT-MIX ASPHALT CALCULATIONS

STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	LEVEL BINDER THICKNESS (INCHES)	HMA SC THICKNESS (INCHES)	40600625	40603310	40600300	40600100
								LEVEL BINDER (MM), N50 TONS	HMA SURFACE COURSE MIX "C" N50 TON	AGG. PR. CT. TON	BIT. MATLS. PR. CT. GAL
1282+10.00		1284+78.00	268.0	26.0	774.2	0.0	1.5	0.0	65.0	1.5	77.4
1284+78.00	(INT. IL 9)	1288+65.00	387.0	26.5	1139.5	0.0	1.5	0.0	95.7	2.3	114.0
1288+65.00	(URBAN)	1328+04.00	3939.0	24.0	10504.0	0.0	1.5	0.0	882.3	21.0	1050.4
1328+04.00		1390+95.70	6291.7	26.0	18176.0	0.75	1.5	763.4	1526.8	36.4	1817.6
1390+95.70		1391+25.70	30.0	26.0	86.7	0.0	1.5	0.0	7.3	0.2	8.7
	IL 9										
520+37.00	TURN RADIUS MEAS. ON CADD	522+48.00	211.0	25.0	817.8	0.0	1.5	0.0	68.7	1.6	81.8
522+74.00	TURN RADIUS MEAS. ON CADD	524+44.00	170.0	25.0	460.7	0.0	1.5	0.0	38.7	0.9	46.1
	PARKING LANES										
LT. 1288+26.00		1289+84.40	158.4	5.0	88.0	0.0	1.5	0.0	7.4	0.2	8.8
RT. 1288+25.00		1289+84.40	159.4	5.0	88.6	0.0	1.5	0.0	7.4	0.2	8.9
LT.&RT. 1289+84.40		1307+00.00	1715.6	9.0	3431.2	0.0	1.5	0.0	288.2	6.9	343.1
LT.&RT. 1307+00.00		1314+05.00	705.0	11.0	1723.3	0.0	1.5	0.0	144.8	3.4	172.3
LT.&RT. 1314+05.00		1326+54.00	1249.0	9.0	2498.0	0.0	1.5	0.0	209.8	5.0	249.8
LT.&RT. 1326+54.00		1328+04.00	150.0	9.0	300.0	0.0	1.5	0.0	25.2	0.6	30.0
TOTAL =								763.4	3367.4	80.2	4008.8
USE =								764.0	3368.0	81.0	4009.0

SHEET 1 OF 6

PLOT DATE = 1/25/2010
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 USER NAME = bucklesj

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: VERT. / HORIZ. DATE DRAWN BY CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	11
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HMA SURFACE REMOVAL

	STATION	TO	STATION	LENGTH	WIDTH	AREA	40600982 HMA SURF. REM. BUTT JOINT (SQ YD)	44000155 HMA SURF. REM. 1 1/2" (SQ YD)	44000152 HMA SURF. REM. 3/4" (SQ YD)
	1282+10.00		1282+40.00	30.0	26.0	86.7	0.0	86.7	0.0
	1282+40.00		1284+78.00	238.0	26.0	687.6	0.0	687.6	0.0
	1284+78.00		1288+65.00	387.0	26.5	1139.5	0.0	1139.5	0.0
	1288+65.00		1328+04.00	3939.0	24.0	10504.0	0.0	10504.0	0.0
	1328+04.00		1390+95.70	6291.7	26.0	18176.0	0.0	0.0	18176.0
	1390+95.70		1391+25.70	30.0	26.0	86.7	86.7	0.0	0.0
	IL 9								
*	520+37.00		522+48.00	211.0	25.0	586.1	0.0	586.1	0.0
*	522+74.00		524+44.00	170.0	25.0	304.9	0.0	304.9	0.0
	PARKING LANES								
LT.	1288+26.00		1289+84.40	158.4	5.0	88.0	0.0	88.0	0.0
RT.	1288+25.00		1289+84.40	159.4	5.0	88.6	0.0	88.6	0.0
LT.&RT.	1289+84.40		1307+00.00	1715.6	9.0	3431.2	0.0	3431.2	0.0
LT.&RT.	1307+00.00		1314+05.00	705.0	11.0	1723.3	0.0	1723.3	0.0
LT.&RT.	1314+05.00		1326+54.00	1249.0	9.0	2498.0	0.0	2498.0	0.0
LT.&RT.	1326+54.00		1328+04.00	150.0	9.0	300.0	0.0	300.0	0.0
	TOTAL =						86.7	21437.9	18176.0
	USE =						87.0	21438.0	18176.0

*TURN AREAS ARE INCLUDED IN THIS
CALCULATION AND WERE MEASURED ON
CADD

SHEET 2 OF 6

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**SCHEDULE
OF
QUANTITIES**

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	12
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

48102100-AGGREGATE WEDGE SHOULDER TYPE B

STATION	TO	STATION	LENGTH	TONS
1282+10.00		1284+78.00	268.0	23.8
1326+75.00		1391+25.70	6450.7	573.5
			TOTAL =	597.3
			USE =	598.0

60266600 - VALVE BOXES TO BE ADJUSTED

LOCATION	TYPE	EACH
27.4' LT. STA. 1287+07.3	WATER VALVE	1.0
14.6' LT. STA. 1301+99.0	WATER VALVE	1.0
12.8' LT. STA. 1302+85.5	WATER VALVE	1.0
18.2' LT. STA. 1310+74.4	WATER VALVE	1.0
18.6' LT. STA. 1310+87.5	WATER VALVE	1.0
16.9' LT. STA. 1315+77.5	WATER VALVE	1.0
15.2' LT. STA. 1316+64.5	WATER VALVE	1.0
		TOTAL =
		7.0

X0301232 - SURVEY MARKER VAULT

LOCATION	EACH
70' RT. STA. 1075+74.5	1.0
STA. 1338+75.75	1.0
STA. 1365+15.75	1.0
STA. 1391+55.75	1.0
TOTAL =	4.0

60300305 - FRAMES AND LIDS TO BE ADJUSTED

LOCATION	TYPE	EACH
25.3' RT. STA. 1286+31.75	MANHOLE	1.0
10.2' LT. STA. 1287+20.25	MANHOLE	1.0
23.6' LT. STA. 1287+30.5	MANHOLE	1.0
6.2' LT. STA. 1296+01.5	MANHOLE	1.0
6.8' LT. STA. 1302+21.5	MANHOLE	1.0
21.7' LT. STA. 1320+34.0	MANHOLE	1.0
		TOTAL =
		6.0

40600990 TEMPORARY RAMPS

STATION	LENGTH	WIDTH	AREA SQ YD)
1338+97 RT	22.0	5.0	12.2
1338+97 LT	21.0	5.0	11.7
1391+55	26.0	5.0	14.4
			TOTAL =
			38.3
			USE =
			39.0

66700110 PERMANENT SURVEY MARKERS TO BE ADJUSTED

STATION	EACH
1286+69 (CENTERLINE)	1.0
TOTAL =	
1.0	

SHEET 5 OF 6

PLOT DATE = 1/25/2010
 FILE NAME = c:\p\p\work\p\11001\BUCKLES\J\110124902\planets.dgn
 PLOT SCALE = 42,352% / IN.
 USER NAME = bucklesj

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	13
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAVEMENT MARKINGS

78000400 - THERMOPLASTIC PAVEMENT MARKING LINE, 6"

LOCATION	FOOT
CROSSWALKS	
FOURTH AVE. LT. STA. 1306+74	104.7
FOURTH AVE. RT. STA. 1306+79	91.8
THIRD AVE. LT. STA. 1311+13.9	100.2
THIRD AVE. RT. STA. 1311+13.9	100.2
TOTAL =	396.9
USE =	397.0

78000650 - THERMOPLASTIC PAVEMENT MARKING LINE, 24"

LOCATION	FOOT
STOP BARS (INT. IL 49 & IL 9)	
1286+40.00 RT.	16.0
1286+99.00 LT.	16.0
522+31.8 RT.	16.0
522+86.0 LT.	16.0
1286+26.2 - 29.4' RT. TO	20.0
1286+27.0 - 33.5' LT. TO	20.0
1286+92.8 - 18.1' RT. TO	20.0
1287+00.7 - 28.1' RT. TO	20.0
1287+05.9 - 22.7' LT. TO	20.0
TOTAL =	144.0
USE =	144.0

78000200 - THERMOPLASTIC PAVEMENT MARKING LINE, 4"

LOCATION	FOOT
SKIP DASH (YELLOW) IL 9	
520+37 TO 522+48	211.0
522+74 TO 524+44	170.0
IL 49	
1282+10 TO 1286+40	430.0
1287+00 TO 1391+25.75	10425.8
SUBTOTAL =	11236.8
SPACING = 11,236.8 / 40 * 10 =	2809.2
USE =	2810.0

NO PASSING ZONE - DOUBLE (YELLOW)

NORTHBOUND	1375+76 TO 1386+32	1056.0
SOUTHBOUND	1383+15 TO 1391+55.7	840.7
SUBTOTAL =	1896.7	
USE =	1897.0	

SOLID PARKING LINES

1289+84.4 to 1326+54	578.0
SUBTOTAL =	578.0
USE =	578.0

EDGE LINES - SOLID (WHITE)

IL 49	LT. 1282+10 TO LT. 1285+07	297.0
	RT. 1282+10 TO RT. 1285+34	324.0
	LT. 1326+54 TO RT. 1391+55.7	6501.7
	RT. 1326+54 TO RT. 1391+55.7	6501.7
IL 9	LT. 520+37 TO LT. 521+18	81.0
	RT. 520+37 TO RT. 520+92	55.0
	LT. 524+22.7 TO LT. 524+44	21.3
	RT. 524+20 TO RT. 524+44	24.0
SUBTOTAL =	13805.7	
USE =	13806.0	
TOTAL =	19632.0	

70300100 - SHORT - TERM PAVEMENT MARKING

MAINLINE	STATION	TO	STATION	MILLING FOOT	SURFACE FOOT	TOTAL FOOT
	1282+10.00		1391+25.75	1091.6	1091.6	2183.2
	520+37.00		524+44.00	40.7	40.7	81.4
STOP BARS (INT. IL 49 & IL 9)	1286+26.2 - 29.4' RT.		1286+40.00 RT.	16.0	16.0	32.0
STOP BAR IS 2 APPLICATIONS	1286+27.0 - 33.5' LT.		1286+99.00 LT.	16.0	16.0	32.0
	1286+92.8 - 18.1' RT.		522+31.8 RT.	16.0	16.0	32.0
	1287+05.9 - 22.7' LT.		522+86.0 LT.	16.0	16.0	32.0
			1286+40.0 - 21.4' RT.			40.0
			1286+40.0 - 20.3' LT.			40.0
			1287+00.7 - 28.1' RT.			40.0
			1287+12.9 - 24.2' LT.			40.0
			SUBTOTAL =	2552.6		
			TOTAL =	2553.0		

70301000 - WORK ZONE PAVEMENT MARKING REMOVAL

MAINLINE	STATION	TO	STATION	SQ. FT.
	1282+10.00		1391+25.75	363.9
	520+37.00		524+44.00	13.6
			SUBTOTAL =	377.4
STOP BARS (INT. IL 49 & IL 9)			1286+40.00 RT.	32.0
			1286+99.00 LT.	32.0
			522+31.8 RT.	32.0
			522+86.0 LT.	32.0
	1286+26.2 - 29.4' RT.		1286+40.0 - 21.4' RT.	40.0
	1286+27.0 - 33.5' LT.		1286+40.0 - 20.3' LT.	40.0
	1286+92.8 - 18.1' RT.		1287+00.7 - 28.1' RT.	40.0
	1287+05.9 - 22.7' LT.		1287+12.9 - 24.2' LT.	40.0
			SUBTOTAL =	288.0
			TOTAL =	665.4
			USE =	666.0

RRPM SCHEDULE

LOCATION	78300200 - RAISED REFLECTIVE PAVEMENT MARKER REM. EACH	78100100 - RAISED REFLECTIVE PAVEMENT MARKERS EACH
1282+10 TO 1391+25.75	137.0	137.0
520+37 TO 524+44	5.0	5.0
TOTAL =	142.0	142.0

SHEET 6 OF 6

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

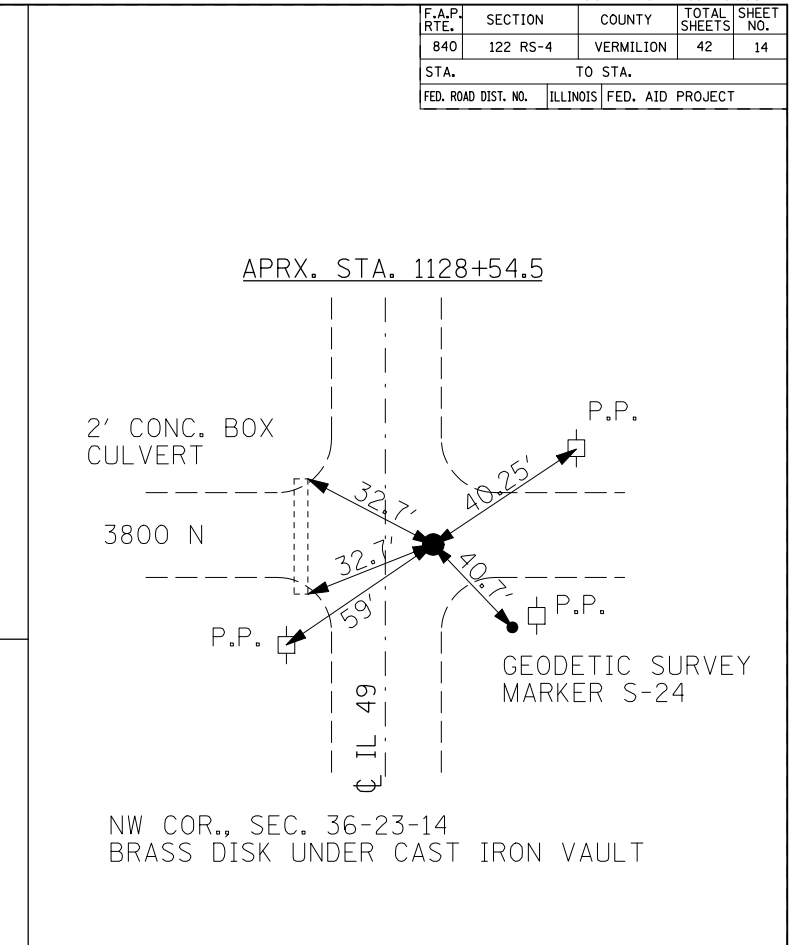
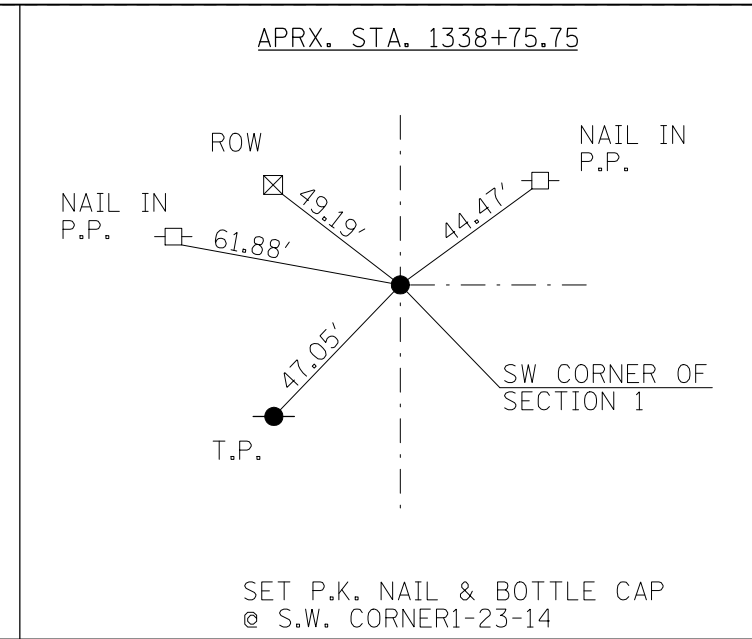
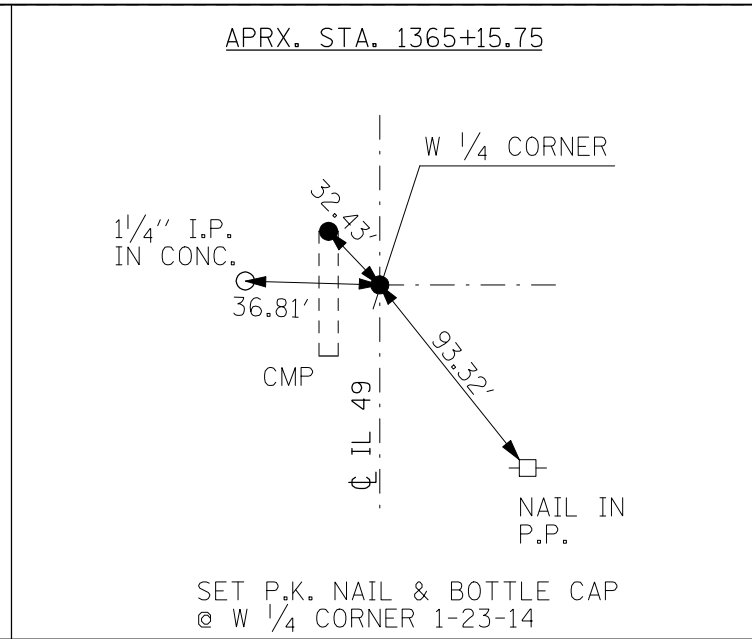
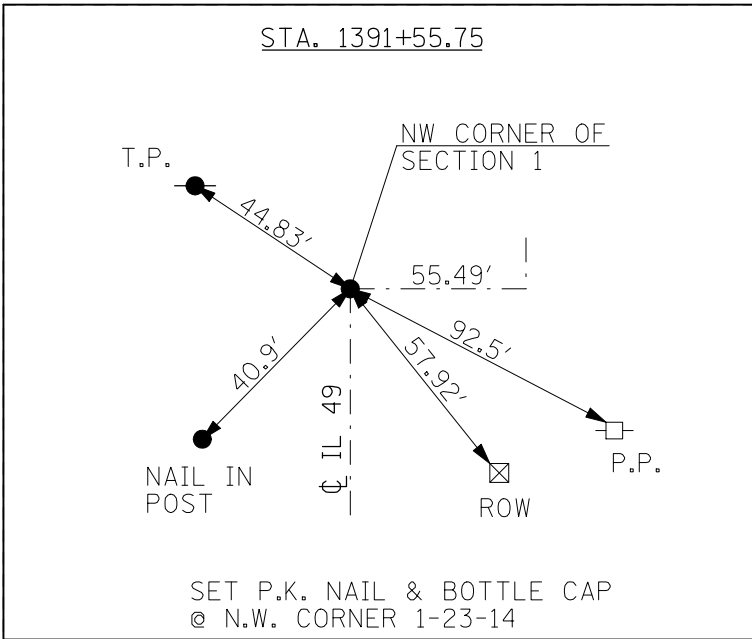
SCHEDULE OF QUANTITIES

SCALE: VERT. / HORIZ. DATE

DRAWN BY / CHECKED BY

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 PLOT SCALE = 4.23629' / IN.
 USER NAME = bucklesjj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 R5-4	VERMILION	42	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



BENCHMARK:
TOP OF N.E. BOLT OF FIRE HYDRANT
44' LT. STA. 1325+18
ELEV. 717.57

BENCHMARK:
WEST NUT ON FIRE HYDRANT
45' LT STA. 1316+55
ELEV. 718.70

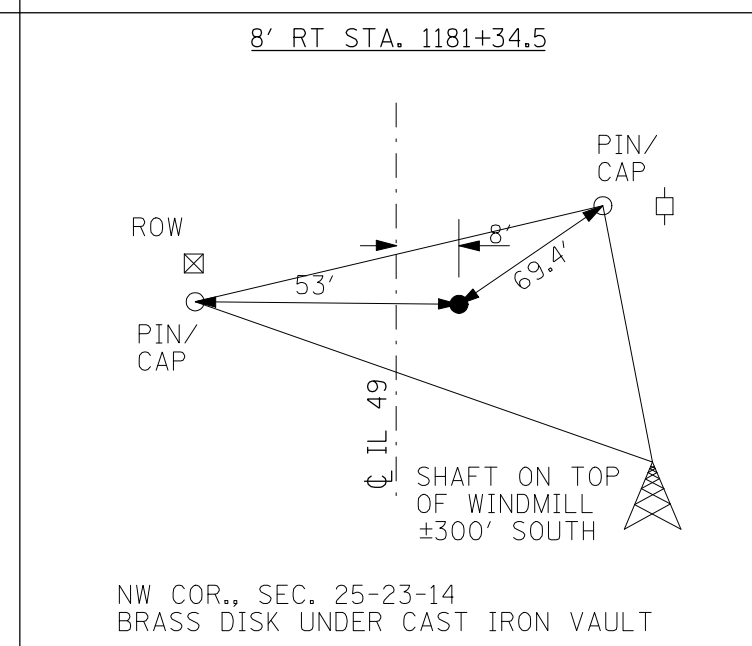
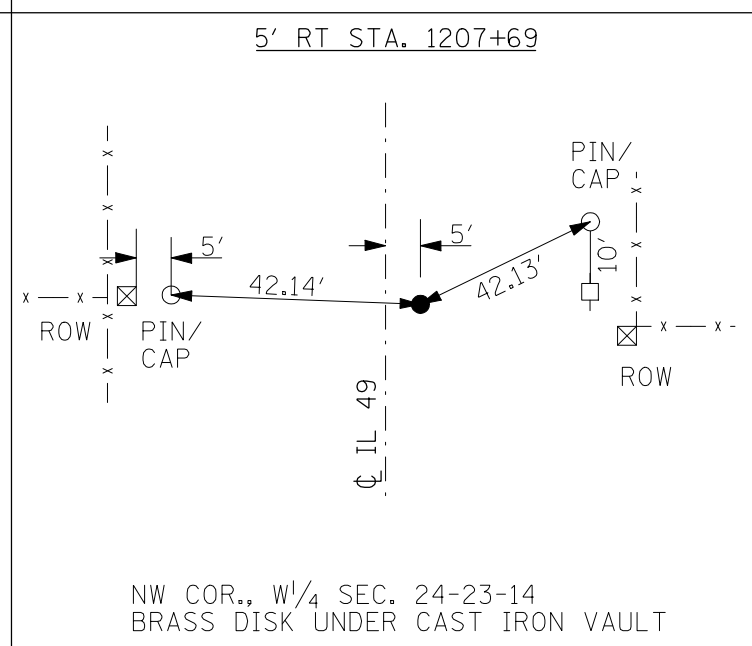
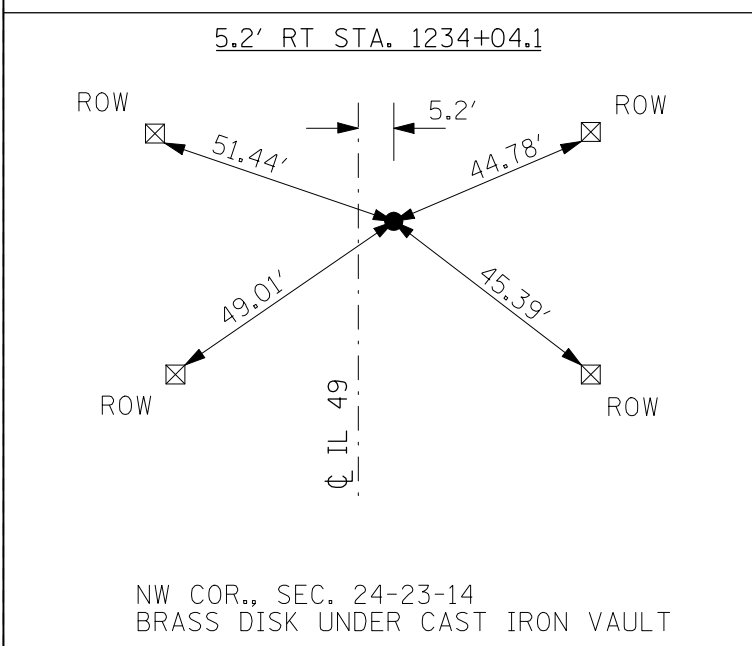
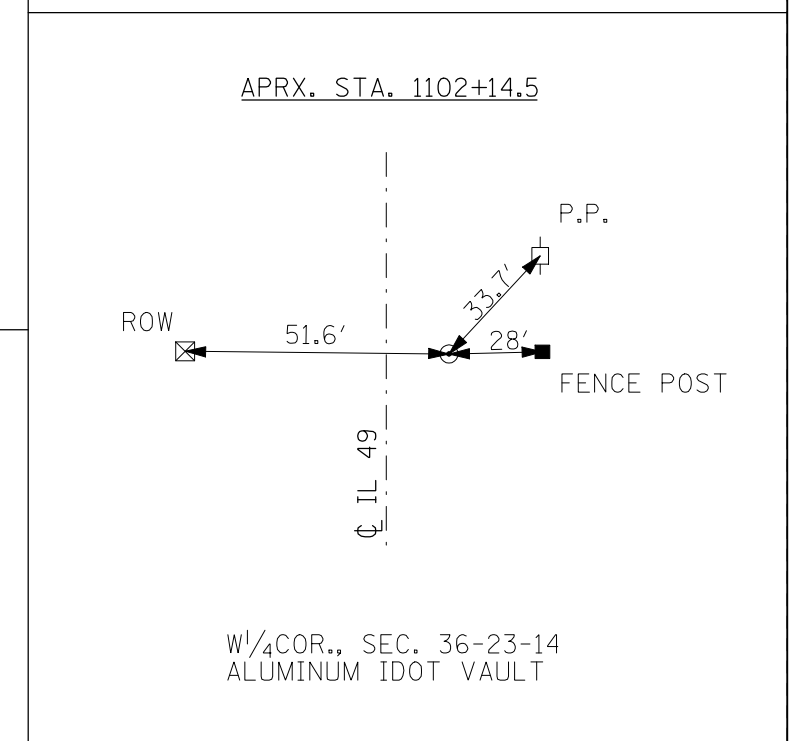
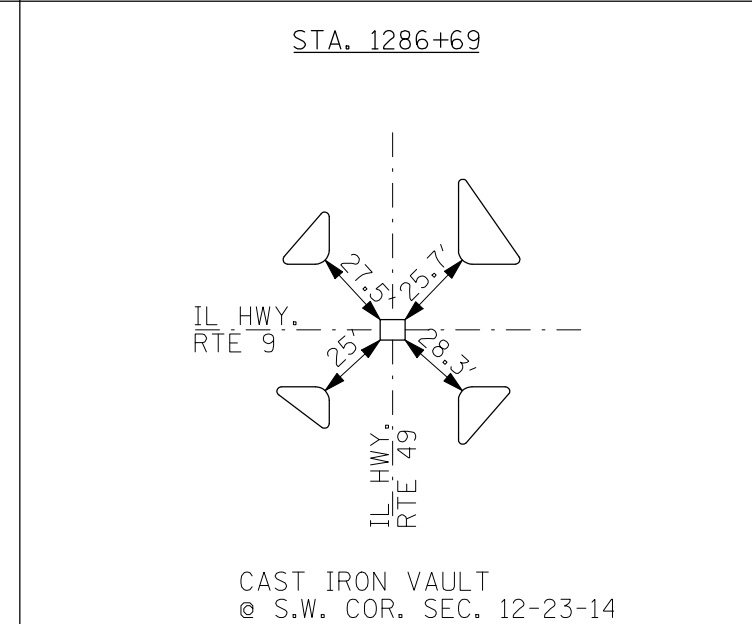
BENCHMARK:
EAST NUT ON FIRE HYDRANT
30' LT STA. 1314+21
ELEV. 720.61

BENCHMARK:
EAST NUT ON FIRE HYDRANT
45' LT STA. 1311+45
ELEV. 723.03

BENCHMARK:
EAST NUT ON FIRE HYDRANT
29' LT STA. 1307+23
ELEV. 722.36

BENCHMARK:
TOP OF FIRE HYDRANT (E. BOLT)
LT STA. 1302+93
ELEV. 721.53

BENCHMARK:
TOP S.E. BOLT ON FIRE HYDRANT
LT STA. 1297+44
ELEV. 723.10



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	

TIE POINTS / BENCHMARKS

SCALE: VERT. / HORIZ. DATE

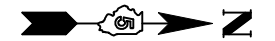
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 USER NAME = bucklesj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	15
STA. 1282+10		TO STA. 1288+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SEC. 14, T 23 N, R 14 W

BEGIN 1/2" MILLING
STA. 520+37



BENCH MARK: 4689-2
CHISLED SQUARE ON TOP
OF THE NORTHWEST
WINGWALL OF BRIDGE
ELEVATION = 716.459

+50 P.E.

+24
50' LT
+24
40' LT

+04
50' LT

+19
65' LT

30'R

170'R

+19
58' LT

+44
33' LT

POT Sta 1287+35.90

8'R

170'R

C IL ROUTE 49

1285+00

POT Sta 522+61.00

SECTION 122 RS-4 BEGINS
STA. 1282+10

+24
40' LT
+24
50' LT

+99
50' RT

+19
70' RT

+44
33' RT

+19
58' RT

PERM. SURV. MRKR TO BE ADJUSTED
(C) STA. 1286+69

POT Sta 524+14.00

END 1/2" MILLING
STA. 524+44

+38
50' RT

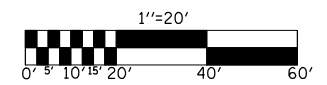
+38
30' RT

30'R

170'R

+03
50' LT

+03
30' LT



HMA SURFACE REMOVAL, 1/2"

- (A) FRAME AND LID TO BE ADJUSTED
- (A) VALVE BOX TO BE ADJUSTED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING / PROPOSED
PLAN SHEETS
STA. 1282+10 - 1288+00

SCALE: VERT. / HORIZ.
DATE: / / DRAWN BY: / CHECKED BY: /

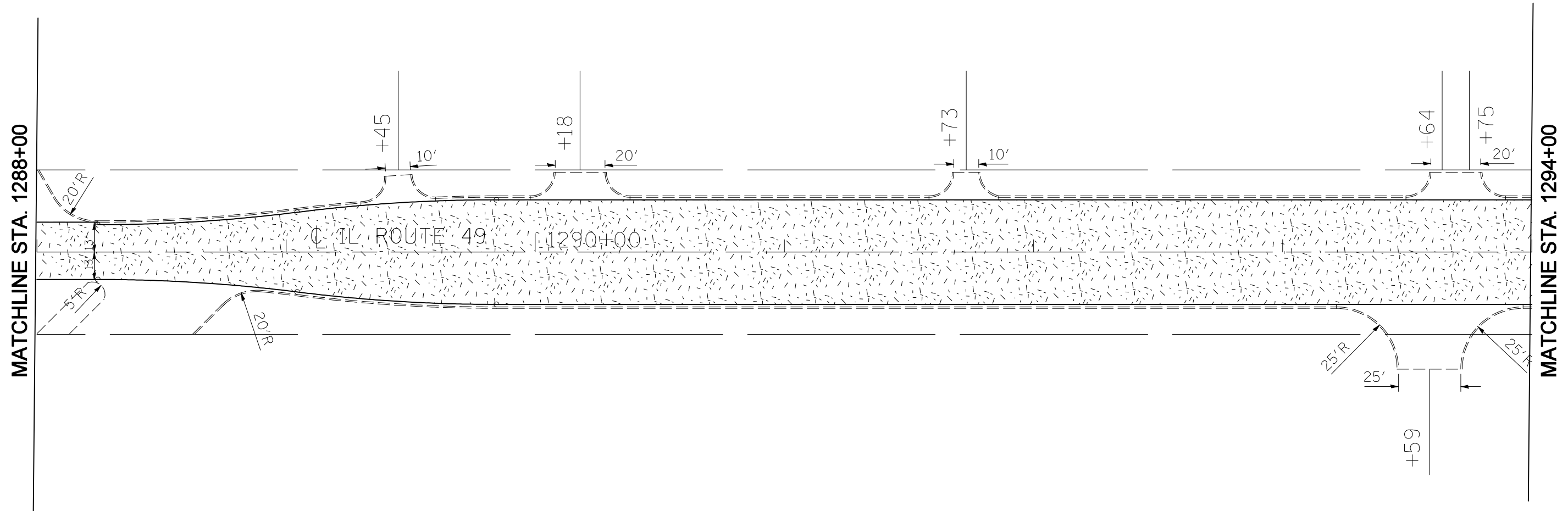
SEC. 13, T 23 N, R 14 W

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PLOT SCALE = 42,3529' / IN.
USER NAME = bucklesj

MATCHLINE STA. 1288+00

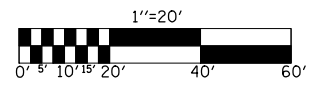
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 R5-4	VERMILION	42	16
STA. 1288+00		TO STA. 1294+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SEC. 11, T-23-N, R-14-W



MATCHLINE STA. 1288+00

MATCHLINE STA. 1294+00



 HMA SURFACE REMOVAL, 1/2"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**EXISTING & PROPOSED
 PLAN SHEETS**
VILLAGE OF RANKIN
STA. 1288+00 - 1294+00

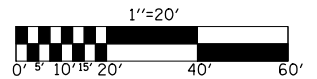
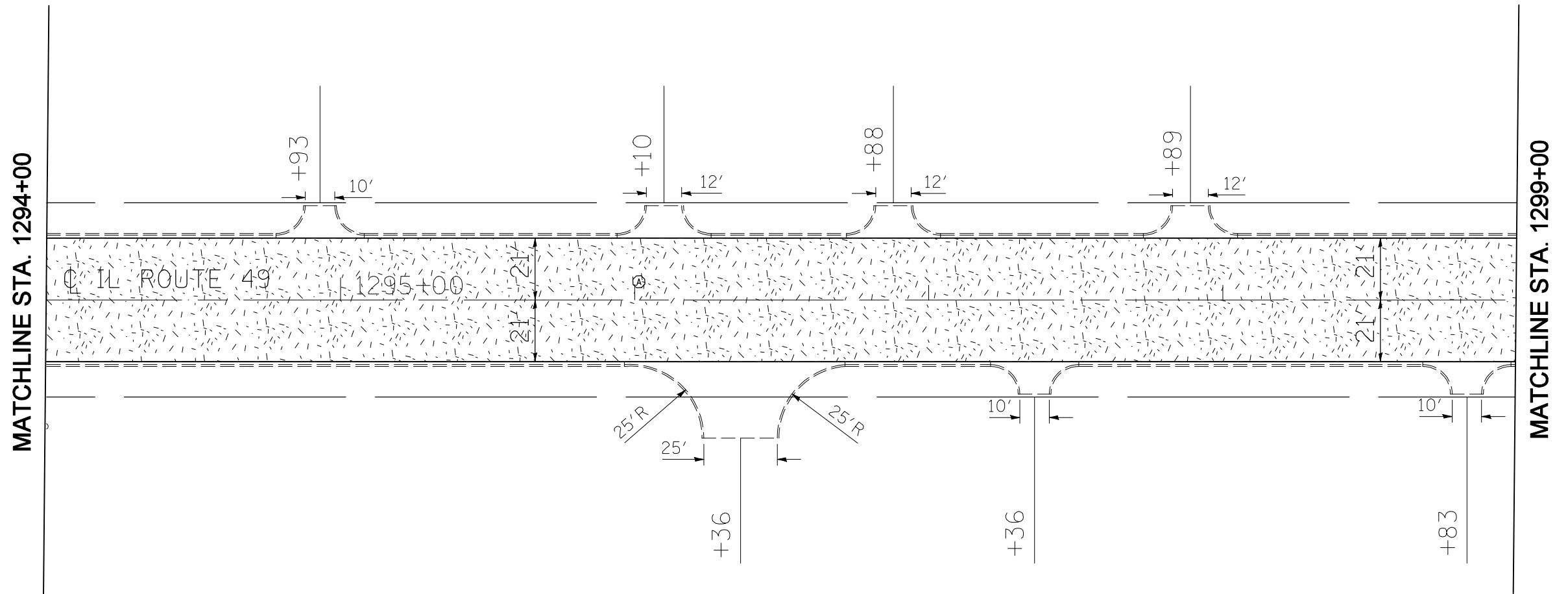
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 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

SEC. 12, T-23-N, R-14-W

PLOT DATE = 1/25/2010
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 PLOT SCALE = 42,3529' / IN.
 USER NAME = bucklesjj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 R5-4	VERMILION	42	17
STA. 1293+00		TO STA. 1299+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SEC. 11, T-23-N, R-14-W



- HMA SURFACE REMOVAL, 1 1/2"
- FRAME AND LID TO BE ADJUSTED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING & PROPOSED
PLAN SHEETS
VILLAGE OF RANKIN
STA. 1294+00 - 1299+00

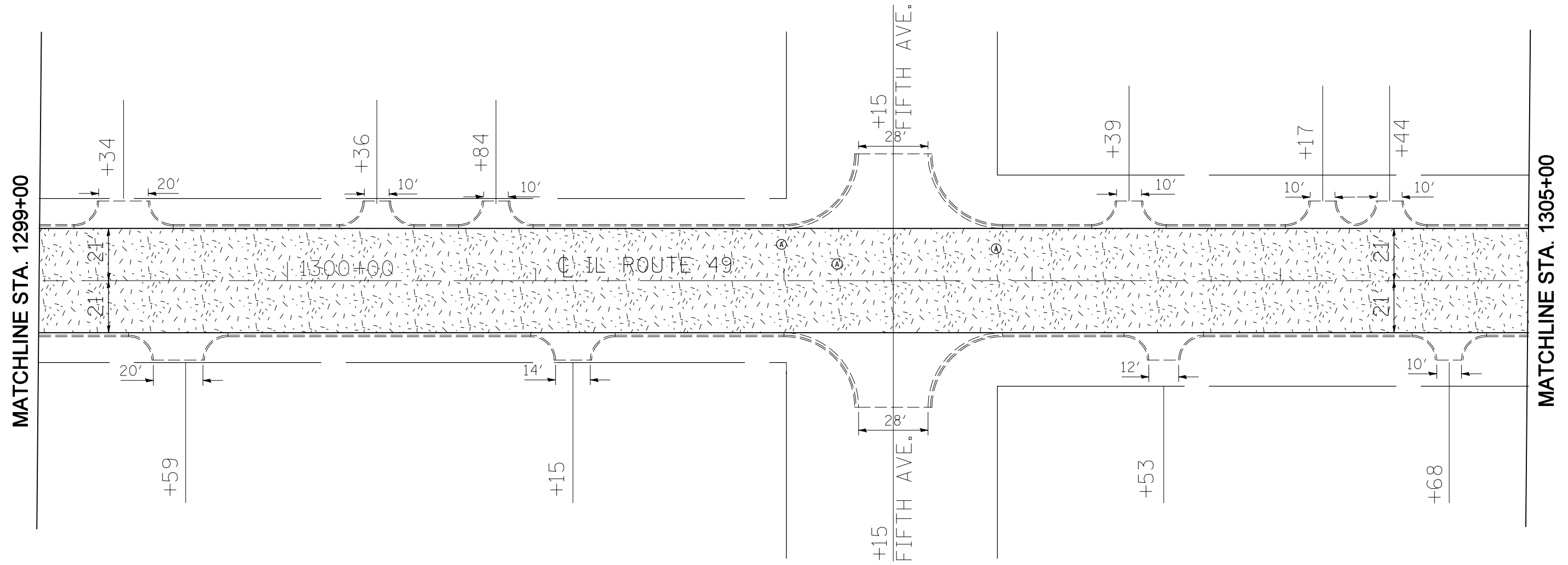
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 DATE _____ DRAWN BY _____
 CHECKED BY _____

SEC. 12, T-23-N, R-14-W

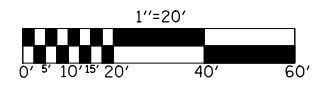
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 USER NAME = bucklesjj




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 R5-4	VERMILION	42	18
STA. 1299+00		TO STA. 1305+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SEC. 11, T-23-N, R-14-W



SEC. 12, T-23-N, R-14-W



-  HMA SURFACE REMOVAL, 1 1/2"
-  FRAME AND LID TO BE ADJUSTED
-  VALVE BOX TO BE ADJUSTED

REVISIONS	
NAME	DATE

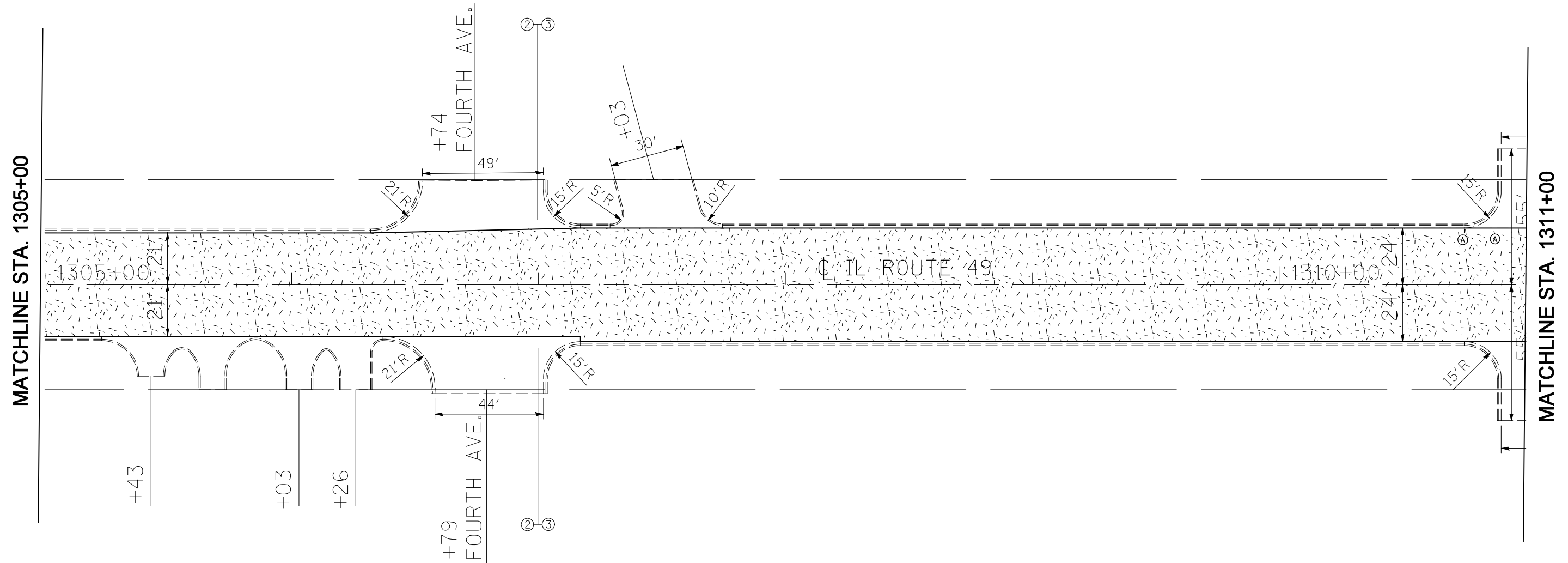
ILLINOIS DEPARTMENT OF TRANSPORTATION
**EXISTING & PROPOSED
 PLAN SHEETS**
VILLAGE OF RANKIN
STA. 1299+00 - 1305+00

SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

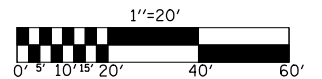
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 USER NAME = bucklesj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	19
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SEC. 11, T-23-N, R-14-W



SEC. 12, T-23-N, R-14-W



- HMA SURFACE REMOVAL, 1 1/2"
- VALVE BOX TO BE ADJUSTED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**EXISTING & PROPOSED
 PLAN SHEETS**
VILLAGE OF RANKIN
STA. 1305+00 - 1311+00

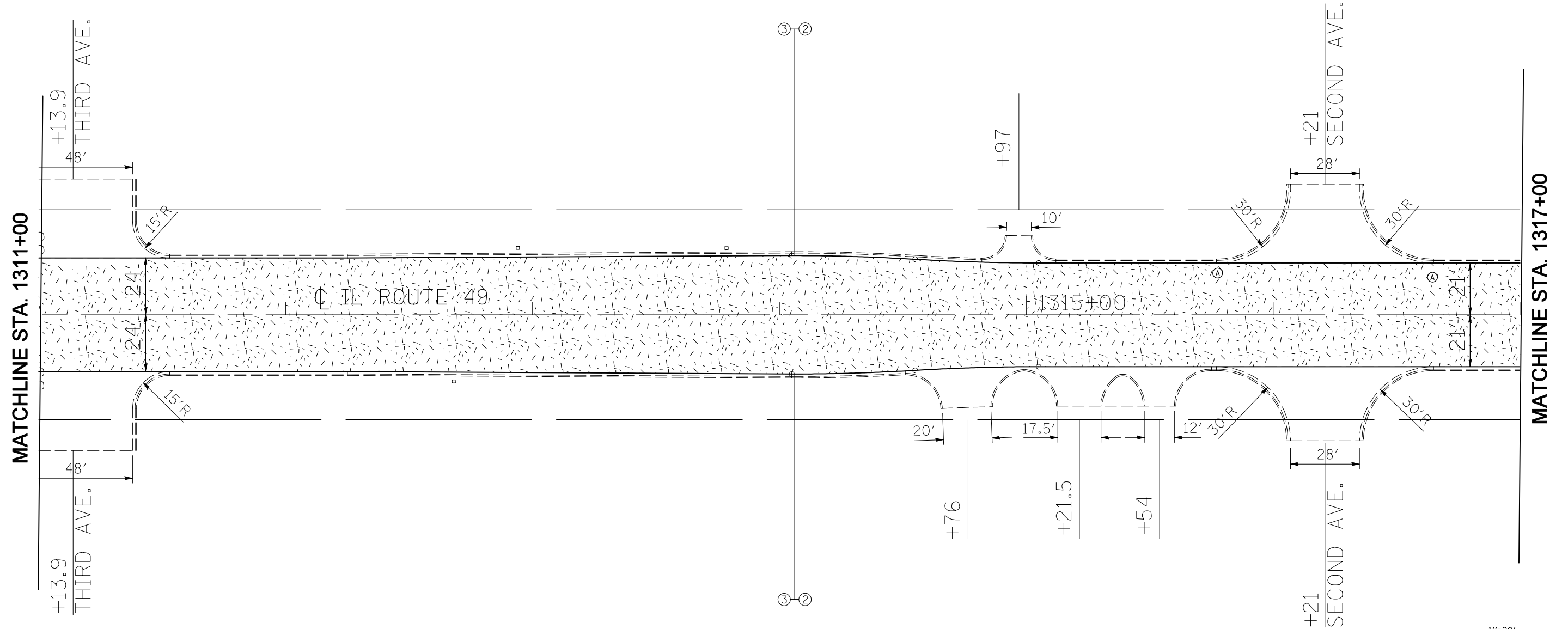
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 CHECKED BY _____

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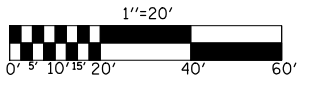
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 R5-4	VERMILION	42	20
STA. 1311+00		TO STA. 1317+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SEC. 11, T-23-N, R-14-W



MATCHLINE STA. 1317+00

MATCHLINE STA. 1311+00



- HMA SURFACE REMOVAL, 1/2"
- VALVE BOX TO BE ADJUSTED

SEC. 12, T-23-N, R-14-W

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING & PROPOSED
PLAN SHEETS
VILLAGE OF RANKIN
STA. 1311+00 - 1317+00

SCALE: VERT. _____
 HORIZ. _____

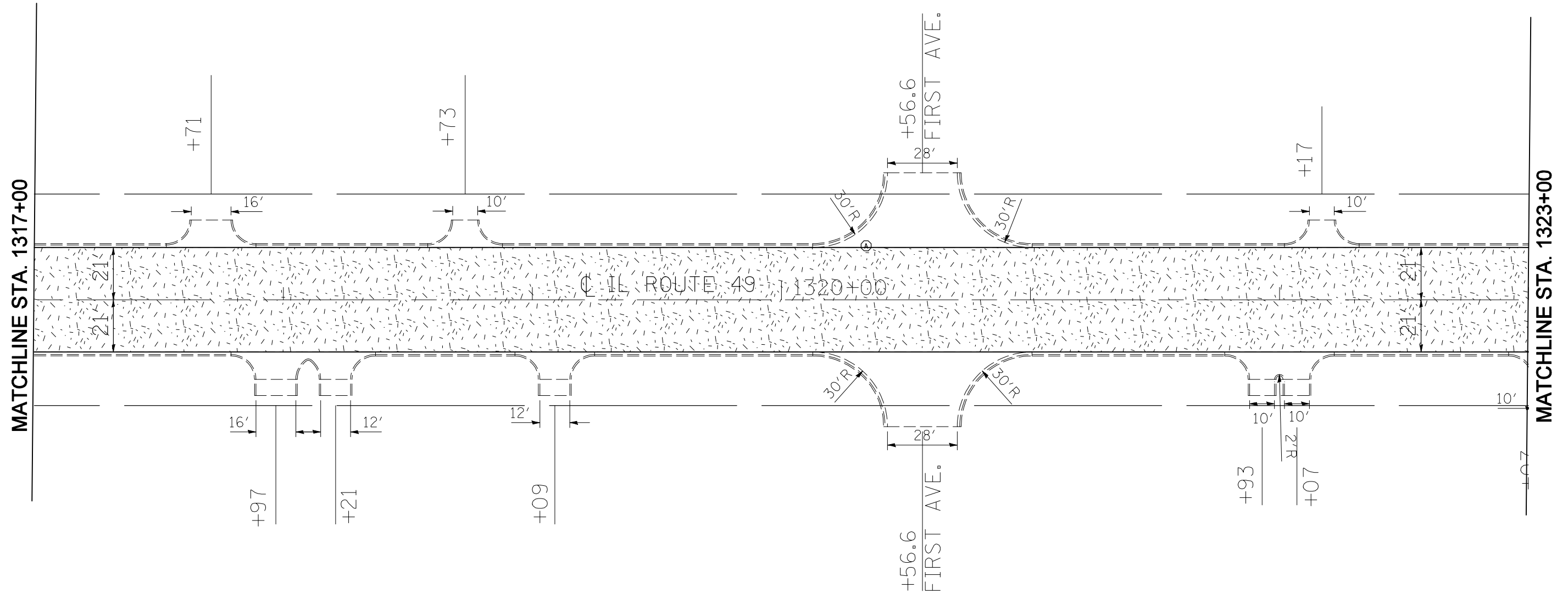
DATE _____ DRAWN BY _____
 CHECKED BY _____

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 USER NAME = bucklesjj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 R5-4	VERMILION	42	21

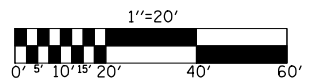
STA. 1317+00	TO STA. 1323+00
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT


SEC. 11, T-23-N, R-14-W



MATCHLINE STA. 1323+00

MATCHLINE STA. 1317+00



-  HMA SURFACE REMOVAL, 1/2"
-  FRAME AND LID TO BE ADJUSTED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING & PROPOSED
PLAN SHEETS
VILLAGE OF RANKIN
STA. 1317+00 - 1323+00

SCALE: VERT. / HORIZ.
 DATE

DRAWN BY
 CHECKED BY

PLOT DATE = 1/25/2010
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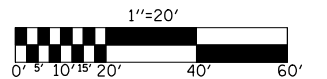
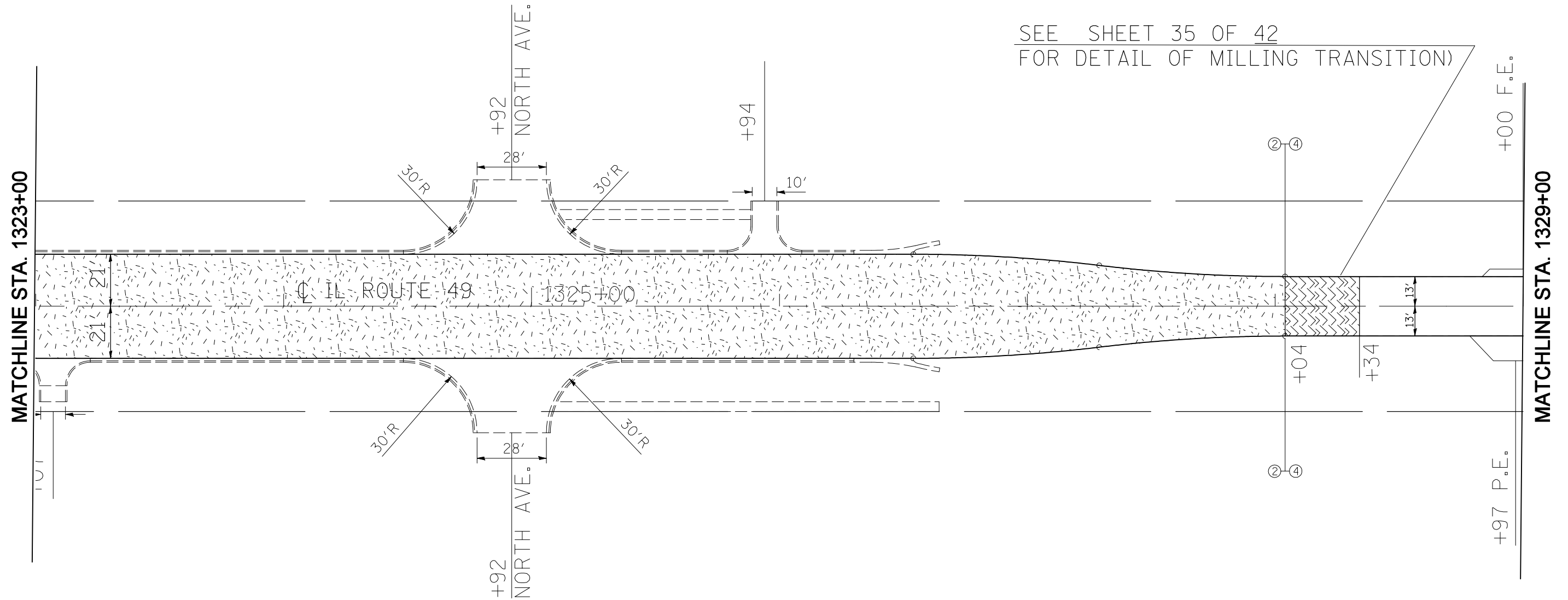
SEC. 12, T-23-N, R-14-W

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	22
STA. 1323+00		TO STA. 1329+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SEC. 11, T-23-N, R-14-W



SEE SHEET 35 OF 42
FOR DETAIL OF MILLING TRANSITION



- MILLING TRANSITION, 1 1/2" - 3/4"
- HMA SURFACE REMOVAL, 1 1/2"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**EXISTING & PROPOSED
PLAN SHEETS
VILLAGE OF RANKIN
STA. 1323+00 - 1329+00**

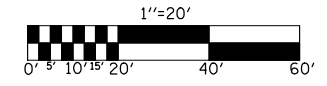
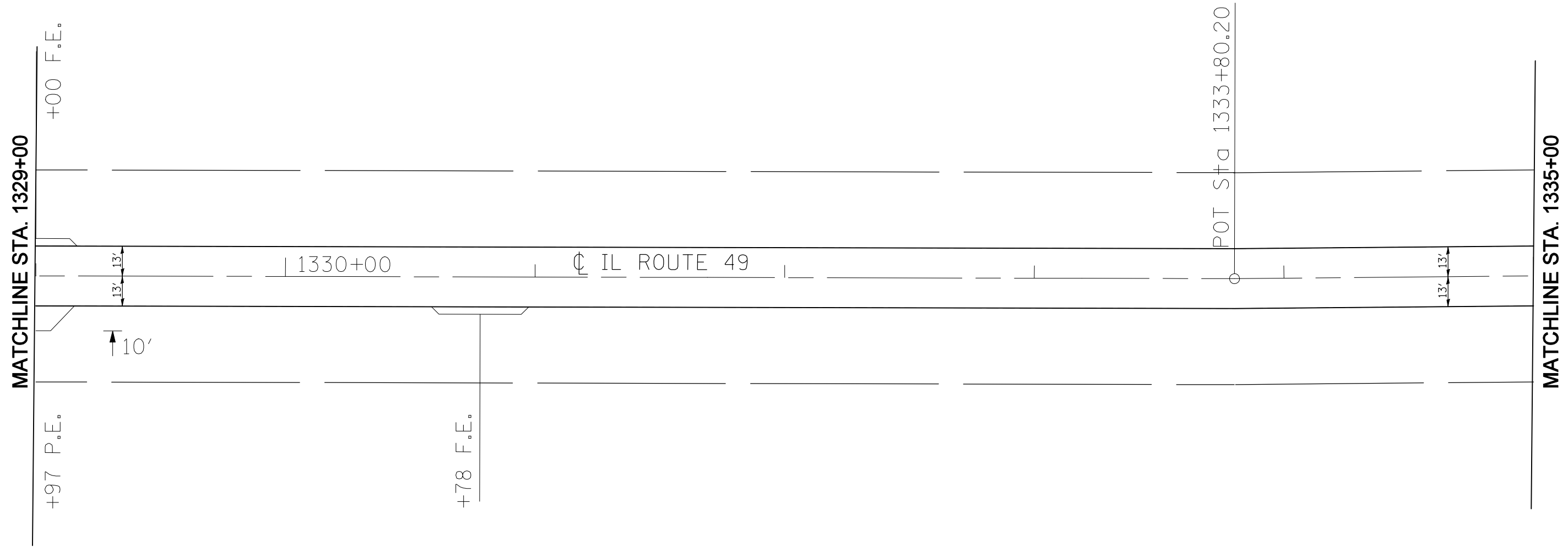
SCALE: VERT. _____
HORIZ. _____
DATE _____ DRAWN BY _____
CHECKED BY _____

SEC. 12, T-23-N, R-14-W

PLOT DATE = 1/25/2010
FILE NAME = c:\p\p\work\p\11001\BUCKLES\11\10124902\planets.dgn
PLOT SCALE = 42,3529 / IN.
USER NAME = bucklesj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	23
STA. 1329+00		TO STA. 1335+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SEC. 11, T-23-N, R-14-W



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**EXISTING & PROPOSED
 PLAN SHEETS**
VILLAGE OF RANKIN
STA. 1329+00 - 1335+00

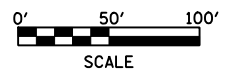
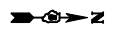
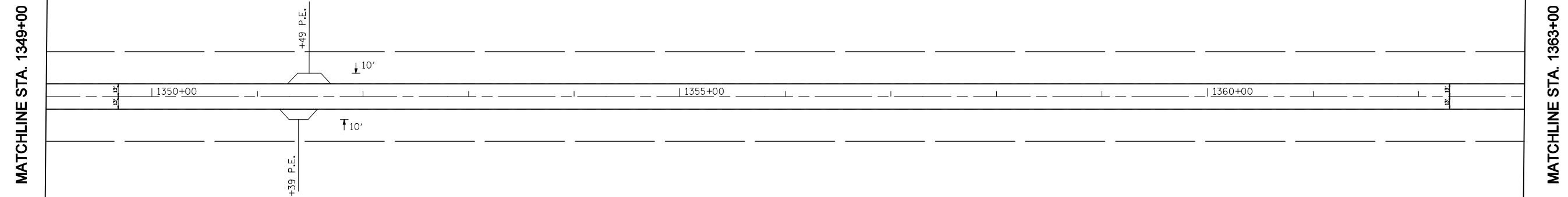
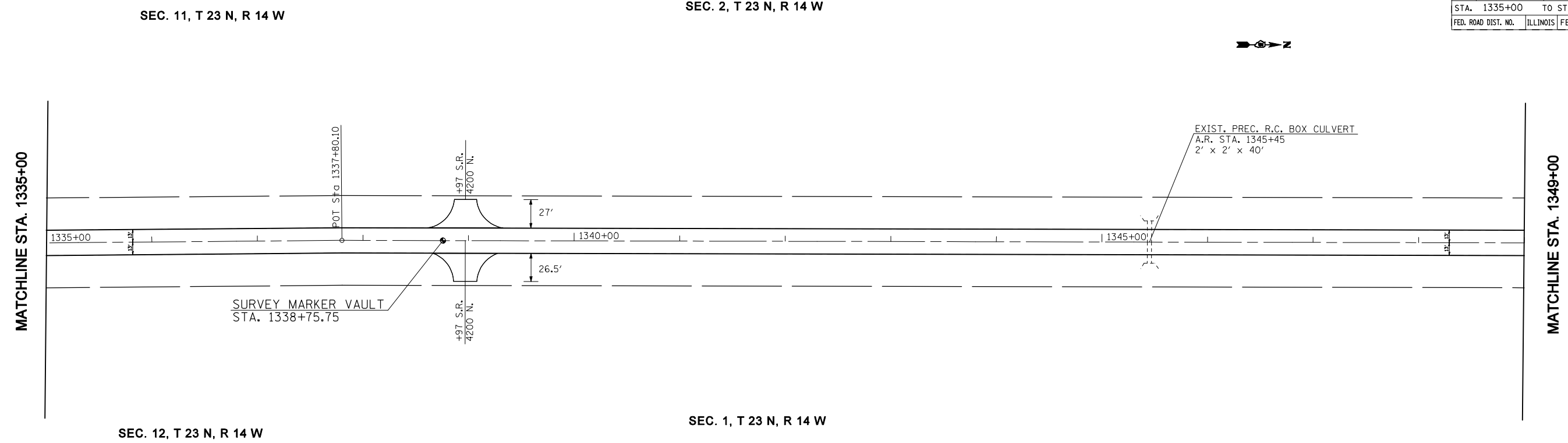
SCALE: VERT. _____
 HORIZ. _____

DRAWN BY _____
 CHECKED BY _____

SEC. 12, T-23-N, R-14-W

PLOT DATE = 1/25/2010
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 PLOT SCALE = 42,3529 / IN.
 USER NAME = bucklesj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 R5-4	VERMILION	42	24
STA. 1335+00		TO STA. 1363+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**EXISTING / PROPOSED
PLAN SHEETS
STA. 1335+00 - 1363+00**

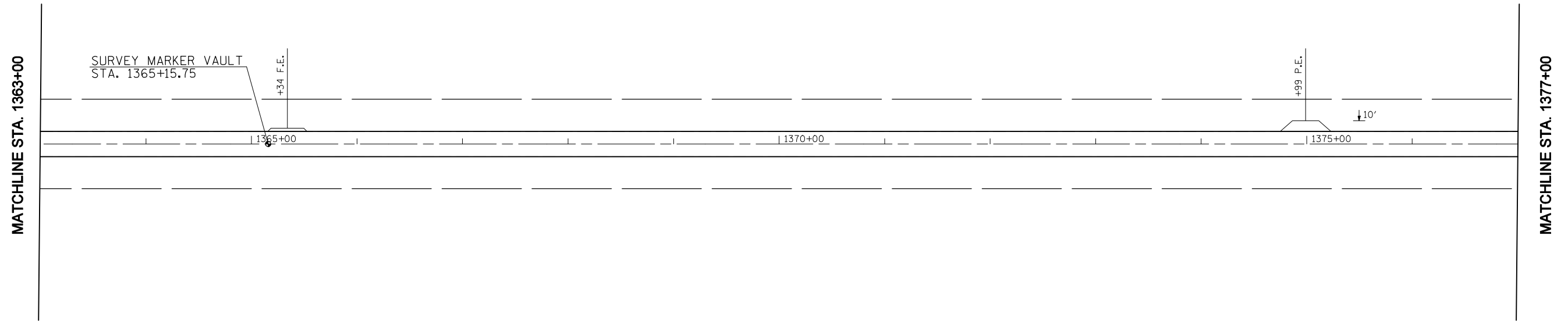
SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

PLOT DATE = 1/25/2010
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USER NAME = bucklesj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	25
STA. 1363+00		TO STA. 1391+25.75		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

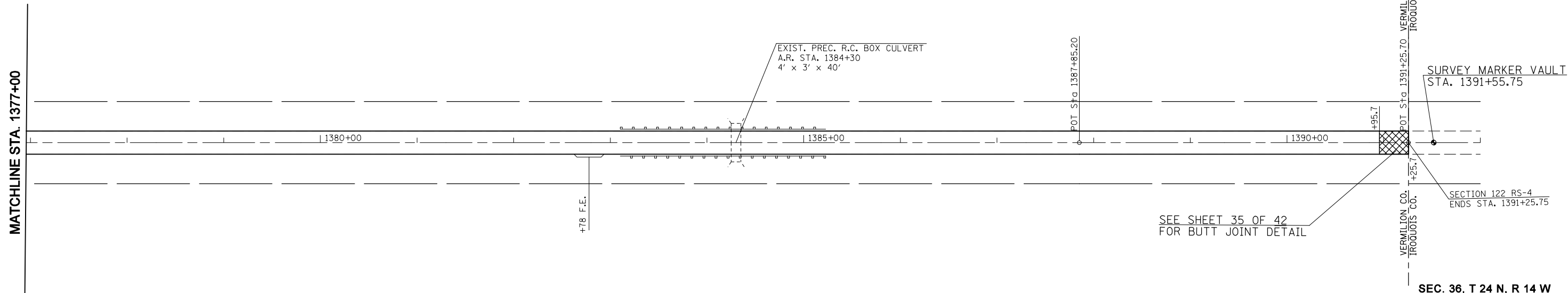
SEC. 2, T 23 N, R 14 W



SEC. 1, T 23 N, R 14 W

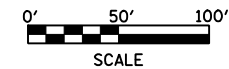
SEC. 2, T 23 N, R 14 W

SEC. 35, T 24 N, R 14 W



SEE SHEET 35 OF 42 FOR BUTT JOINT DETAIL

HMA SURFACE REMOVAL - BUTT JOINT



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**EXISTING / PROPOSED
PLAN SHEETS
STA. 1363+00 - 1392+00**

SCALE: VERT. _____
HORIZ. _____
DATE _____ DRAWN BY _____
CHECKED BY _____

SEC. 1, T 23 N, R 14 W

PLOT DATE = 1/25/2010
FILE NAME = c:\p\p\work\p\11001\BUCKLES\11\110124902\planhts.dgn
PLOT SCALE = 1/8"=1'-0" / IN.
USER NAME = bucklesj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

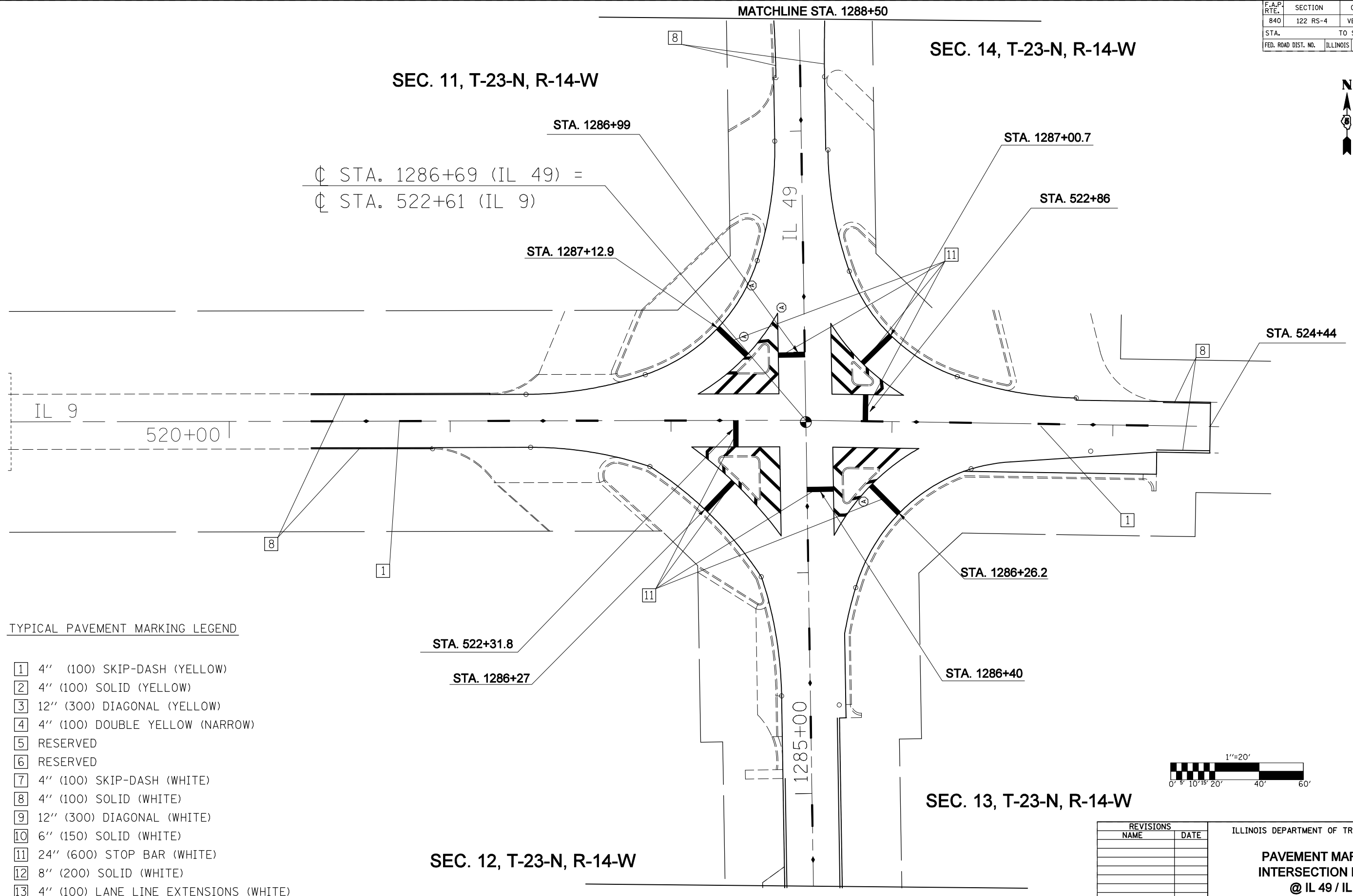
MATCHLINE STA. 1288+50

SEC. 14, T-23-N, R-14-W

SEC. 11, T-23-N, R-14-W

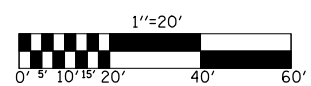


☉ STA. 1286+69 (IL 49) =
☉ STA. 522+61 (IL 9)



TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING (WHITE)



SEC. 13, T-23-N, R-14-W

SEC. 12, T-23-N, R-14-W

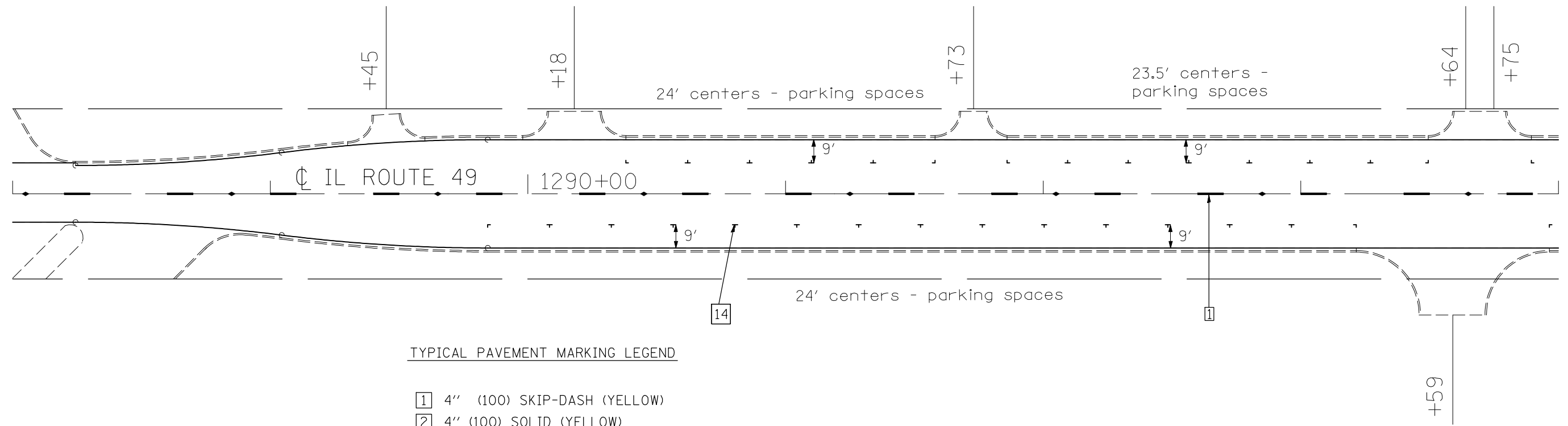
MATCHLINE STA. 1284+42

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING INTERSECTION DETAIL @ IL 49 / IL 9
 SCALE: VERT. / HORIZ.
 DATE: / / DRAWN BY: / CHECKED BY: /

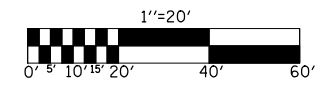
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 PLOT SCALE = 42.3529' / IN.
 USER NAME = bucklesj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	27
STA. 1288+00		TO STA. 1294+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING (WHITE)



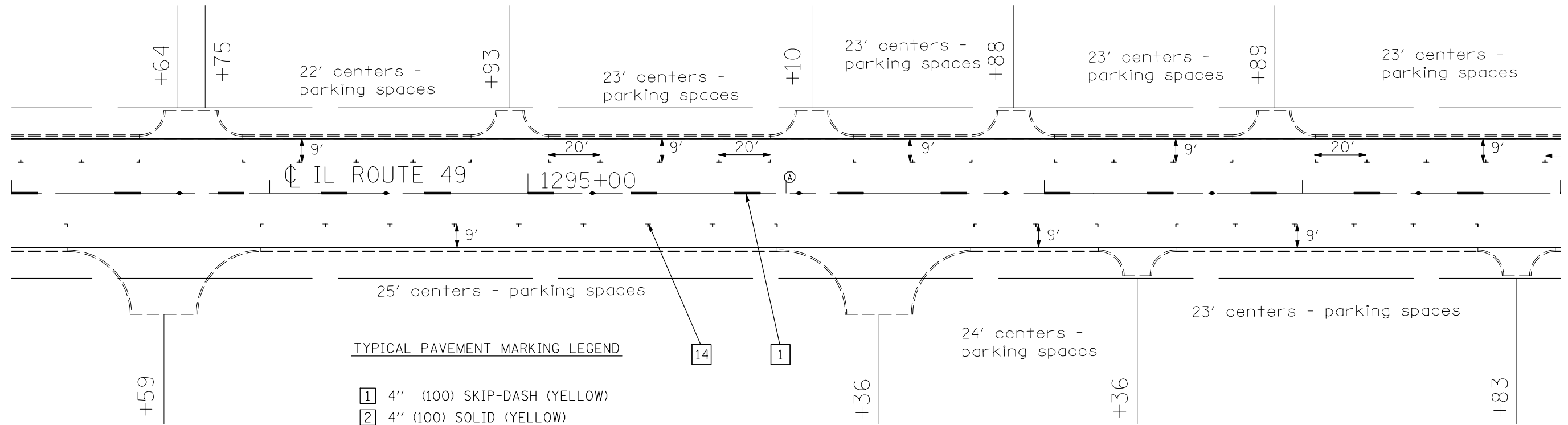
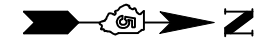
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKING DETAIL
VILLAGE OF RANKIN**

SCALE: VERT. _____
HORIZ. _____
DATE _____ DRAWN BY _____
CHECKED BY _____

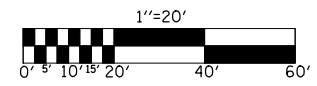
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 USER NAME = buckles11

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	28
STA. 1288+00		TO STA. 1294+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING (WHITE)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAIL
VILLAGE OF RANKIN

SCALE: VERT. _____
HORIZ. _____

DATE _____

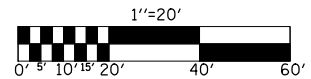
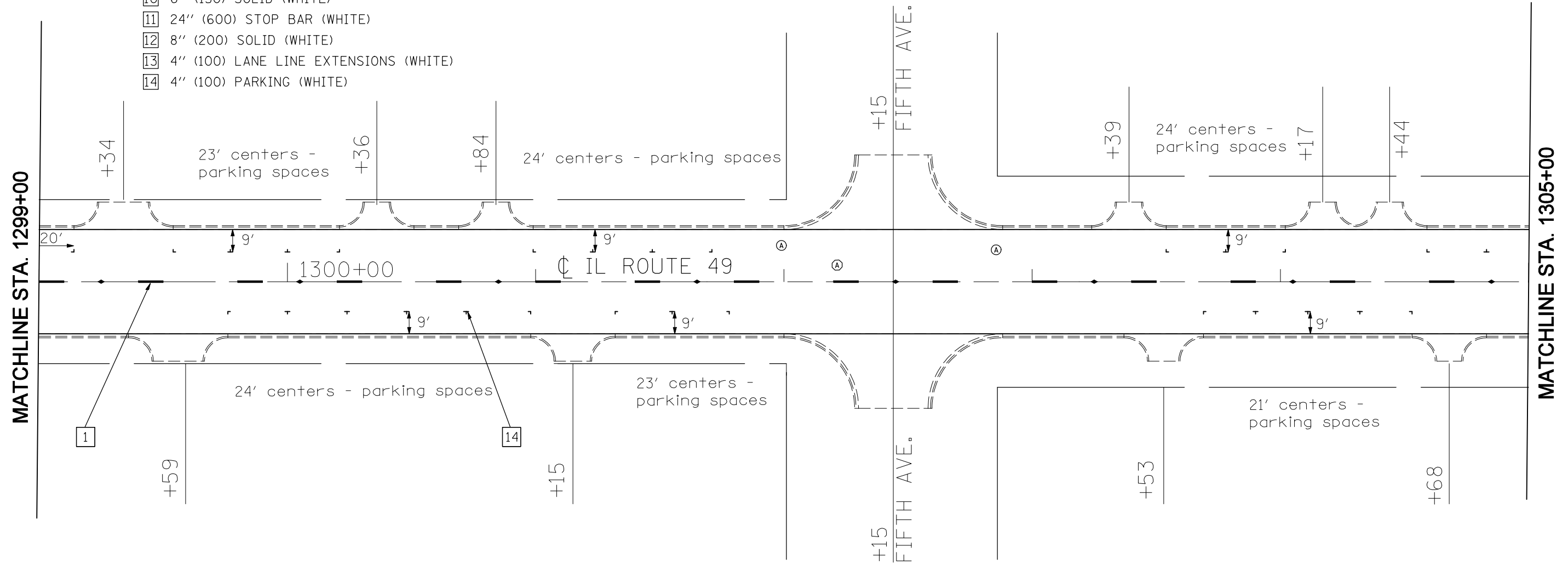
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USER NAME = bucklesj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 R5-4	VERMILION	42	29
STA. 1288+00		TO STA. 1294+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING (WHITE)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING DETAIL
VILLAGE OF RANKIN

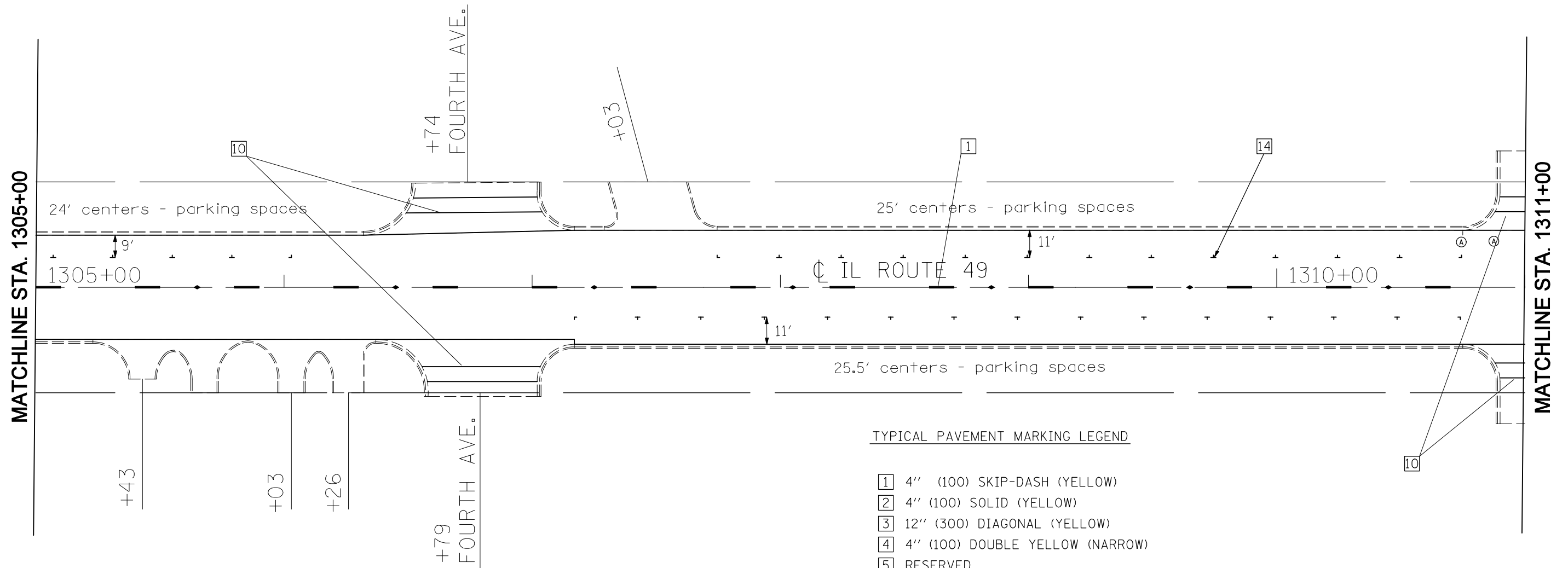
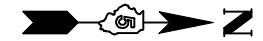
SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 R5-4	VERMILION	42	30

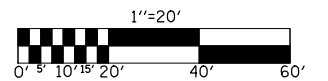
STA. 1305+00	TO STA. 1311+00
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

SEC. 11, T-23-N, R-14-W



TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING (WHITE)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAIL
VILLAGE OF RANKIN

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

PLOT DATE = 1/25/2010
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USER NAME = bucklesj

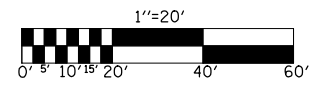
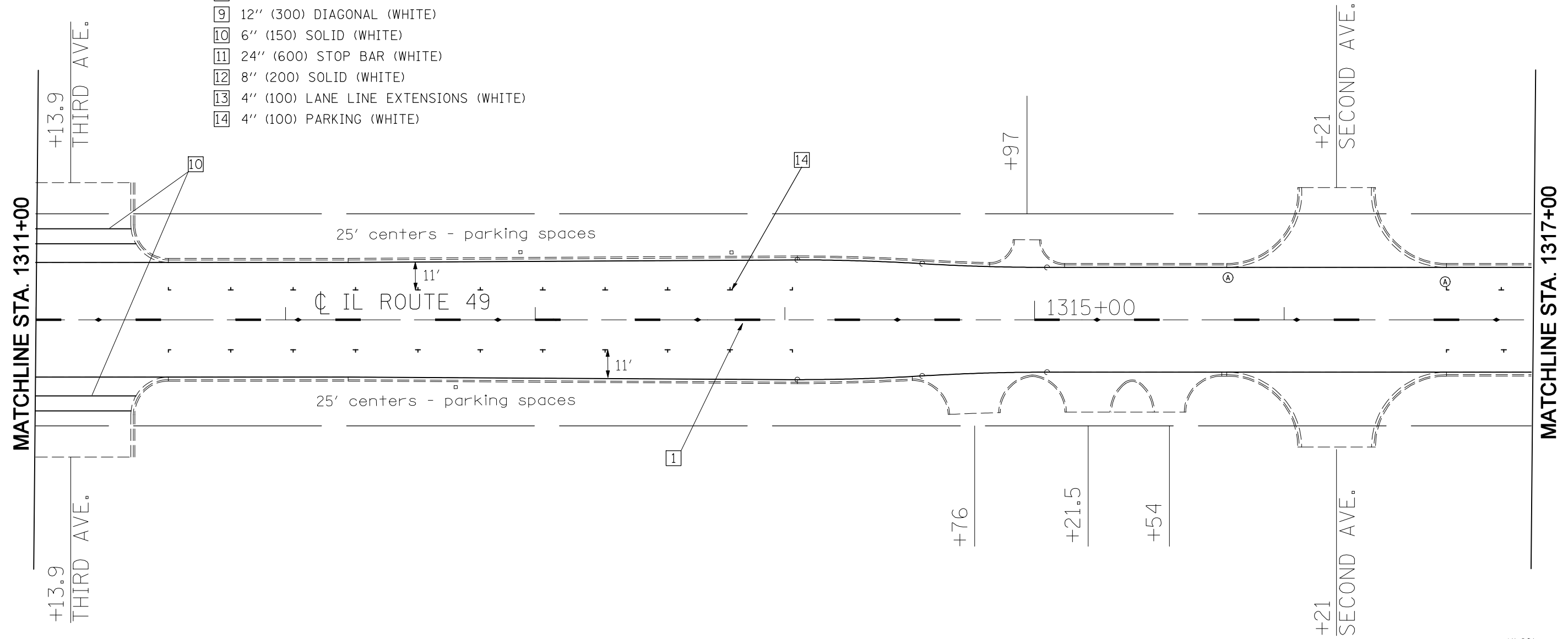
SEC. 12, T-23-N, R-14-W

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 R5-4	VERMILION	42	31
STA. 1311+00		TO STA. 1317+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SEC. 11, T-23-N, R-14-W

TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING (WHITE)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAIL
VILLAGE OF RANKIN

SCALE: VERT. _____
HORIZ. _____

DATE _____ DRAWN BY _____
CHECKED BY _____

SEC. 12, T-23-N, R-14-W

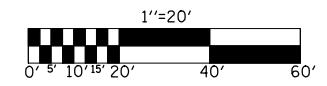
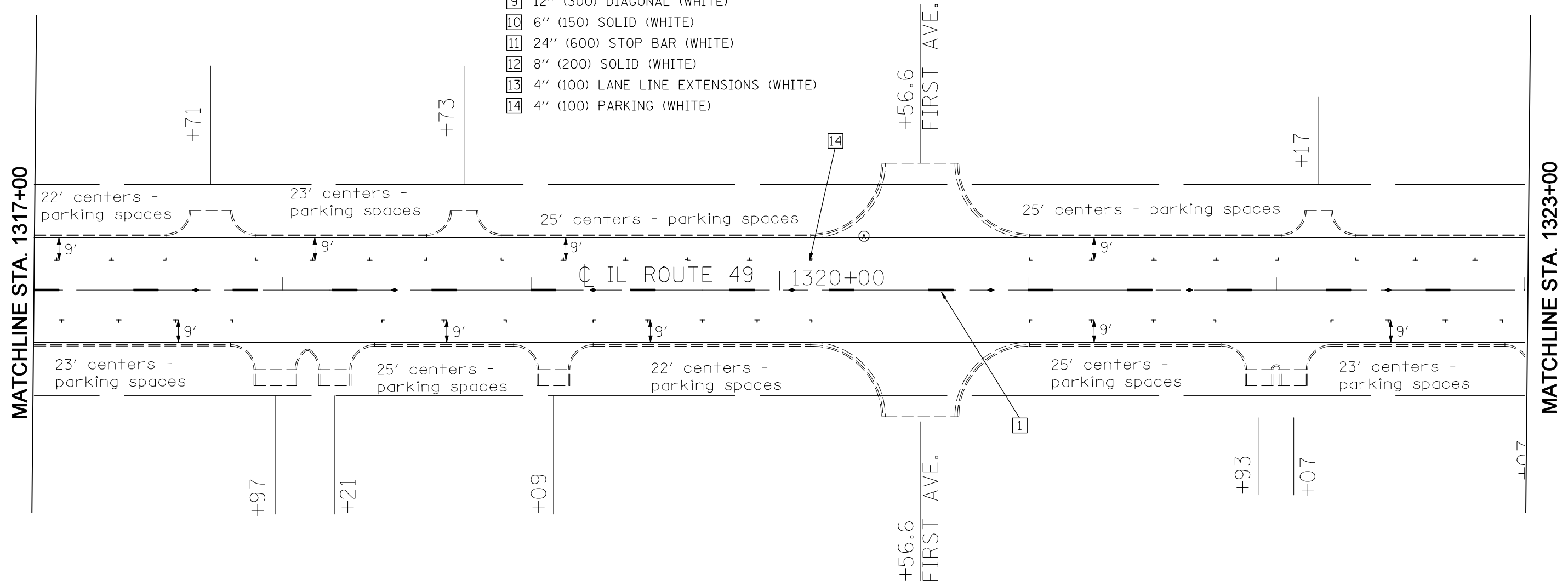
PLOT DATE = 1/25/2010
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 PLOT SCALE = 42.3529' / IN.
 USER NAME = bucklesj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 R5-4	VERMILION	42	32

STA. 1288+00	TO STA. 1294+00
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING (WHITE)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAIL
VILLAGE OF RANKIN

SCALE: VERT. _____
HORIZ. _____

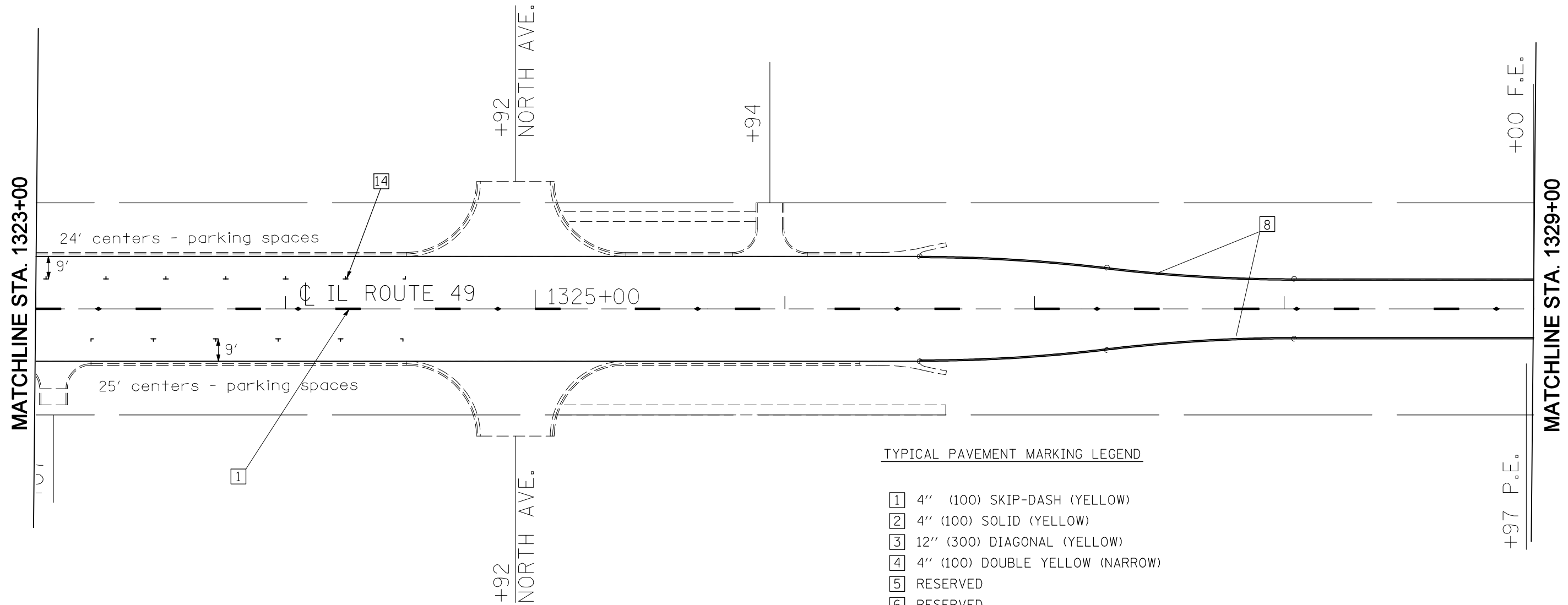
DATE _____ DRAWN BY _____
CHECKED BY _____

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PLOT SCALE = 42,3529' / IN.
USER NAME = bucklesj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	33

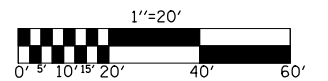
STA. 1323+00	TO STA. 1329+00
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

SEC. 11, T-23-N, R-14-W



TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING (WHITE)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAIL
VILLAGE OF RANKIN

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

MATCHLINE STA. 1323+00

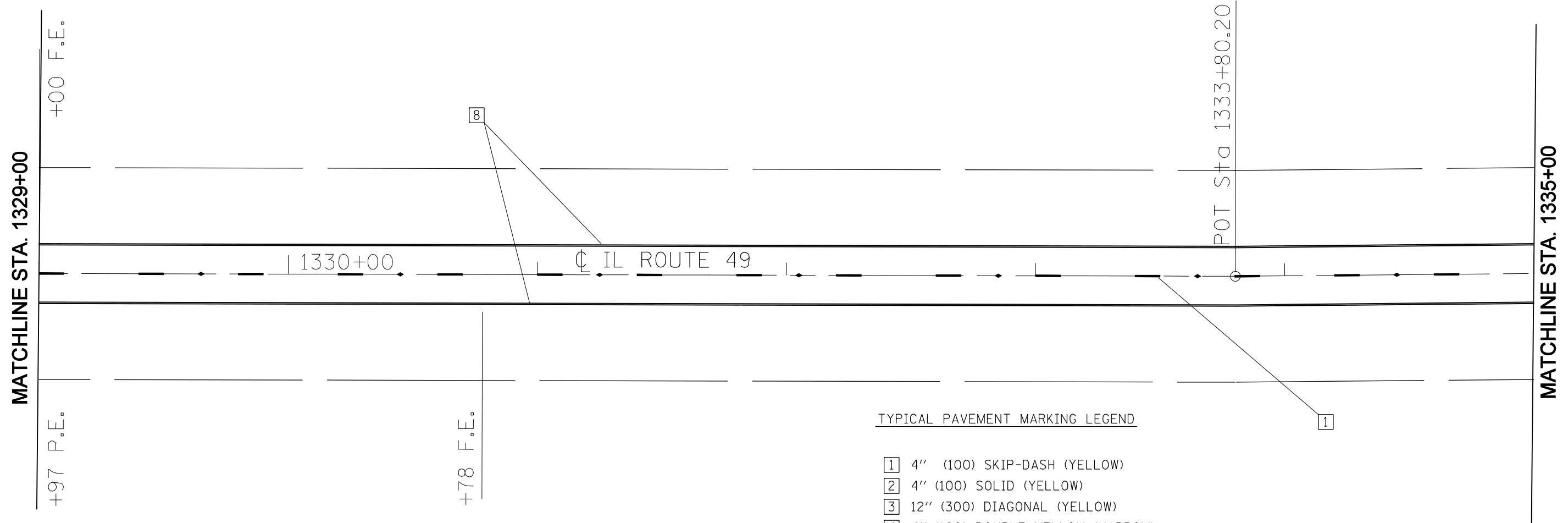
MATCHLINE STA. 1329+00

SEC. 12, T-23-N, R-14-W

SEC. 11, T-23-N, R-14-W

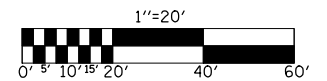
CONTRACT NO. 70693

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 R5-4	VERMILION	42	34
STA. 1329+00		TO STA. 1335+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING (WHITE)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING DETAIL
VILLAGE OF RANKIN

SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

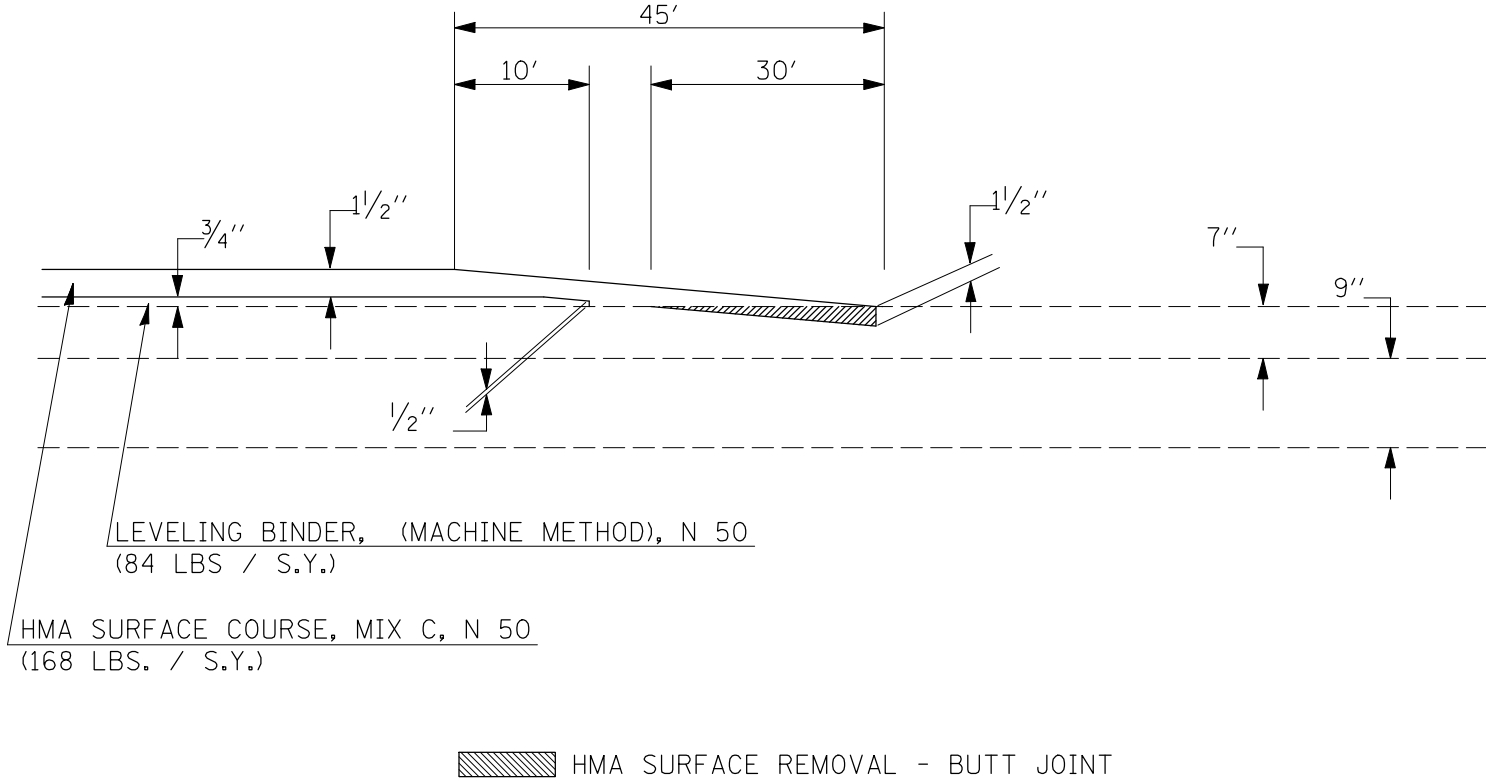
SEC. 12, T-23-N, R-14-W

PLOT DATE = 1/25/2010
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 PLOT SCALE = 42,352% / IN.
 USER NAME = bucklesj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	35
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DETAIL OF HMA SURFACE REMOVAL - BUTT JOINT

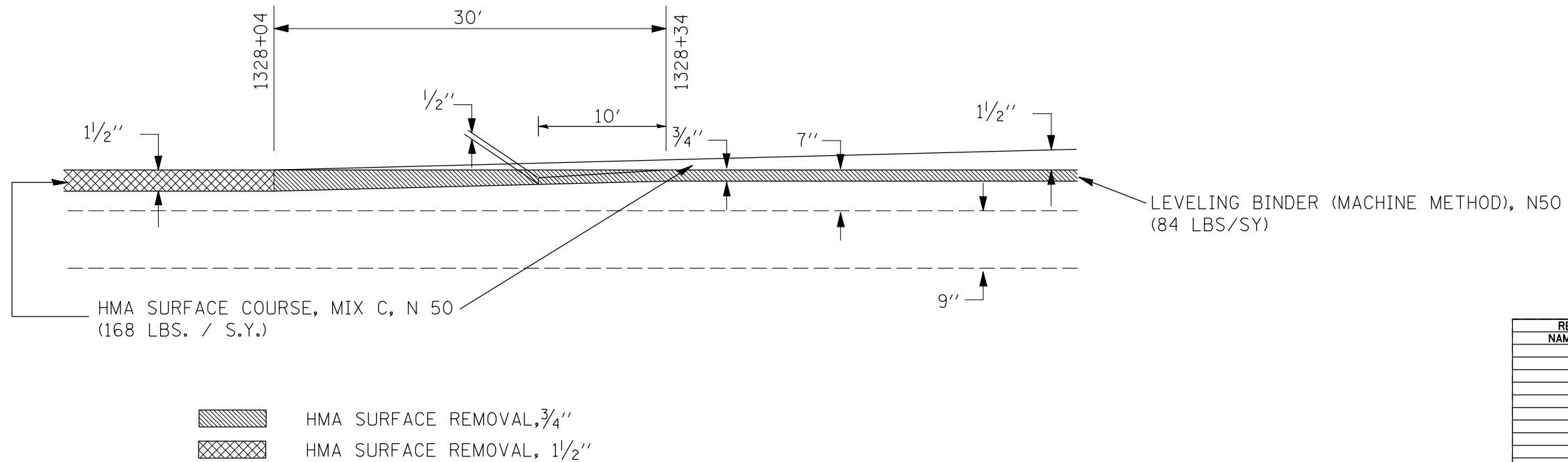
STATION TO STATION LOCATION
 1391+25.75 1391+55.75 NORTH LIMIT



DETAIL OF MILLING TRANSITION FROM 3/4" TO 1/2"

STATION TO STATION
 1328+04 1328+34

NOTE: AREA OF MILLING TRANSITION SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL, 3/4"



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DETAIL OF HMA SURFACE
 REMOVAL - BUTT JOINT
 & TRANSITION**

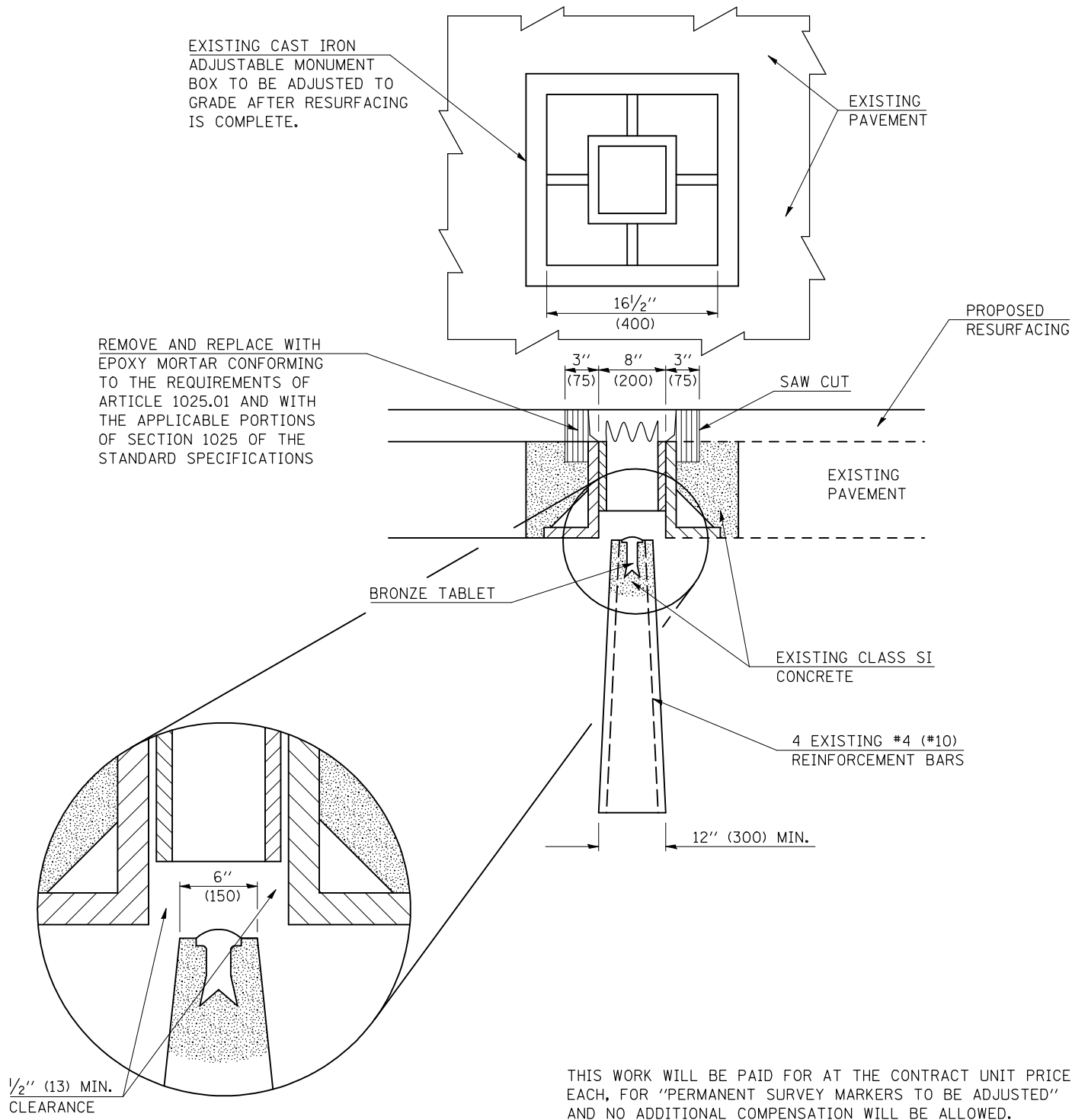
SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 R5-4	VERMILION	53	36

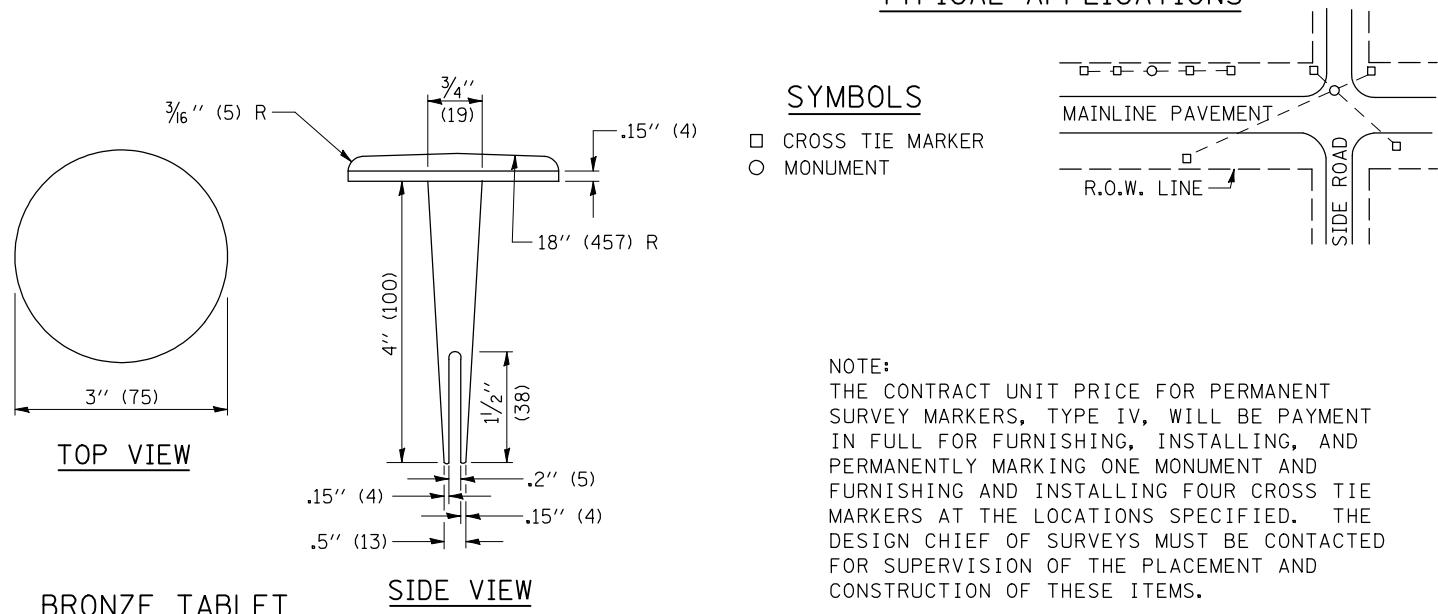
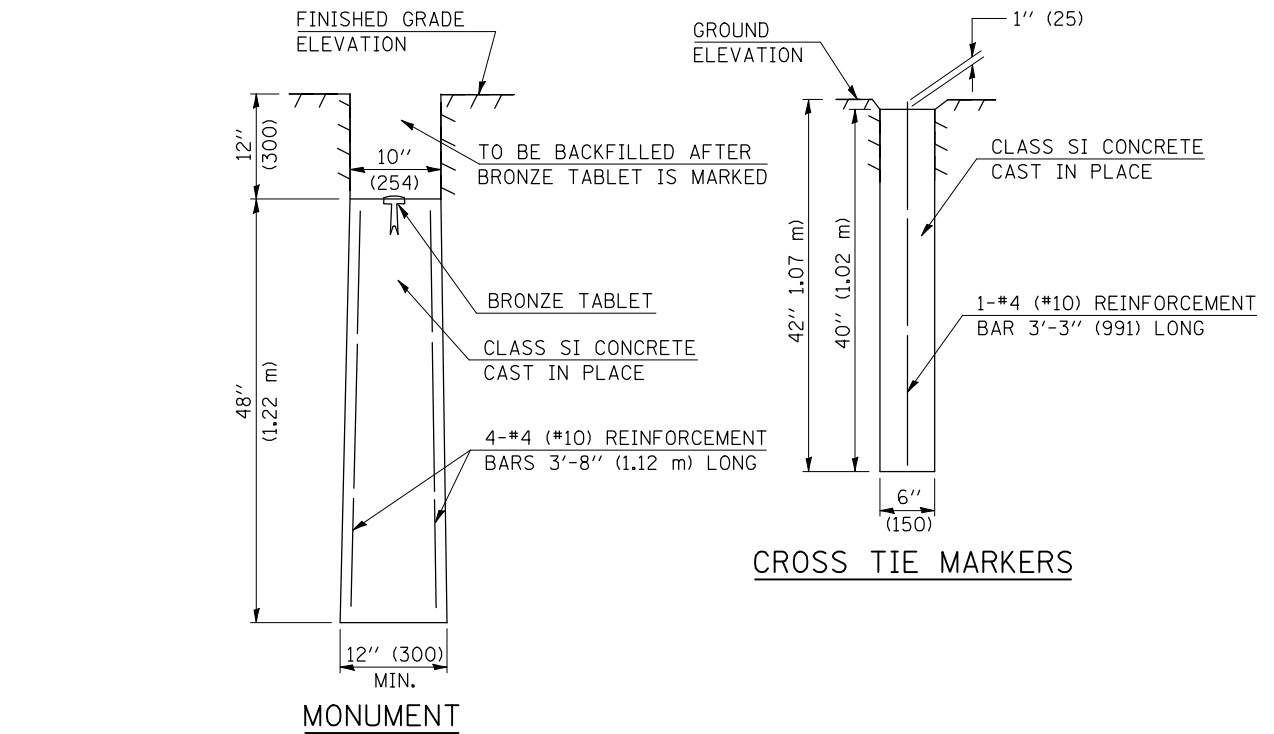
66700110 – PERMANENT SURVEY MARKERS TO BE ADJUSTED

TO BE INSTALLED FOR PRESERVING EXISTING CAST IRON PERMANENT SURVEY MARKERS, TYPE III



66700505 – PERMANENT SURVEY MARKERS, TYPE IV

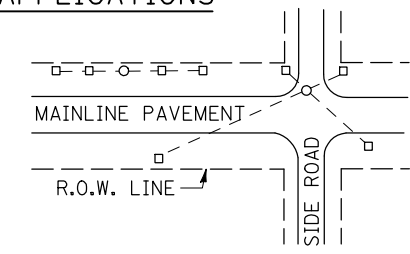
TO BE INSTALLED IN PAVEMENT OR TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS) UNDER DIRECTION OF THE CHIEF OF SURVEYS



TYPICAL APPLICATIONS

SYMBOLS

- CROSS TIE MARKER
- MONUMENT



NOTE: THE CONTRACT UNIT PRICE FOR PERMANENT SURVEY MARKERS, TYPE IV, WILL BE PAYMENT IN FULL FOR FURNISHING, INSTALLING, AND PERMANENTLY MARKING ONE MONUMENT AND FURNISHING AND INSTALLING FOUR CROSS TIE MARKERS AT THE LOCATIONS SPECIFIED. THE DESIGN CHIEF OF SURVEYS MUST BE CONTACTED FOR SUPERVISION OF THE PLACEMENT AND CONSTRUCTION OF THESE ITEMS.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

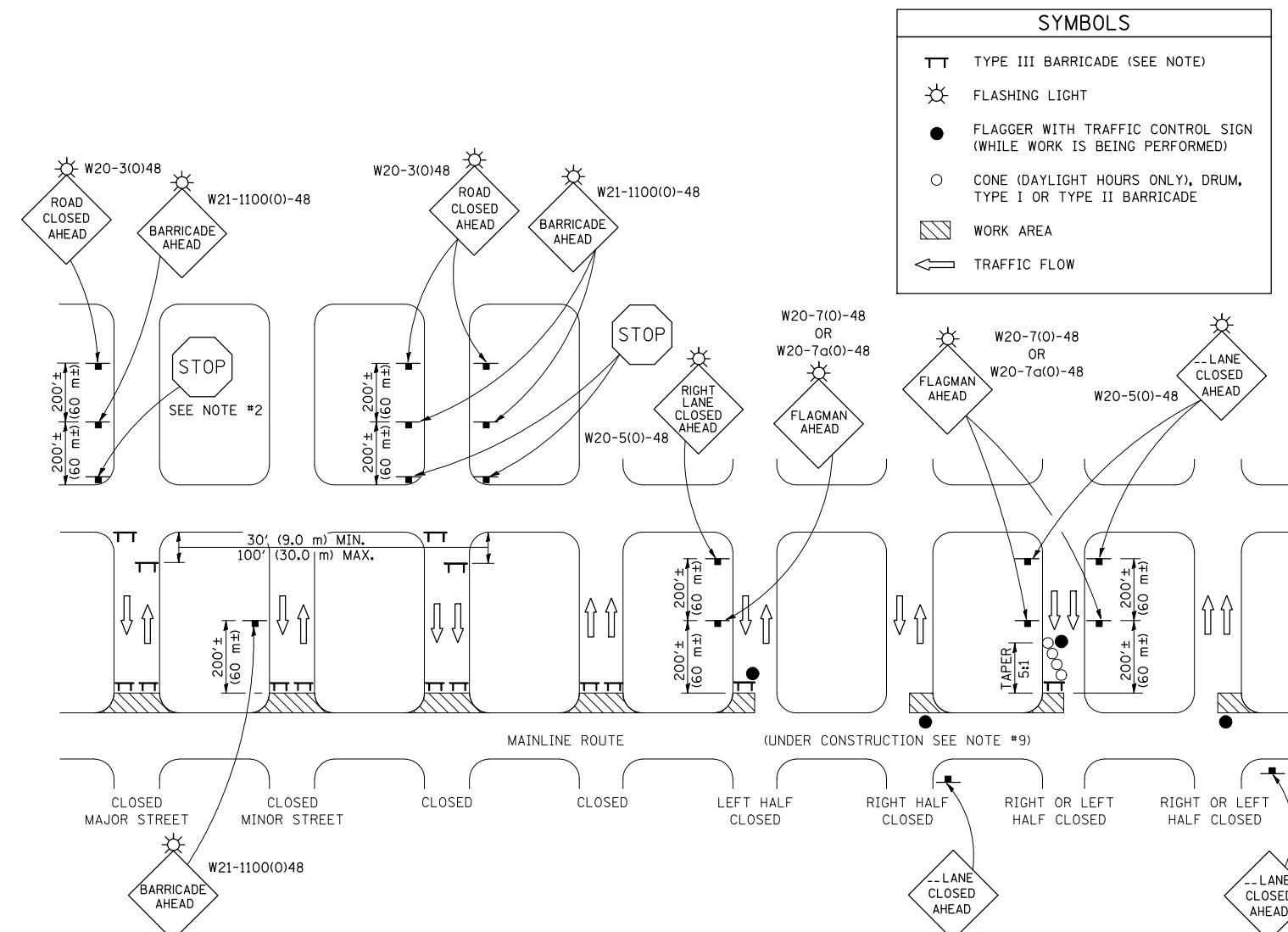
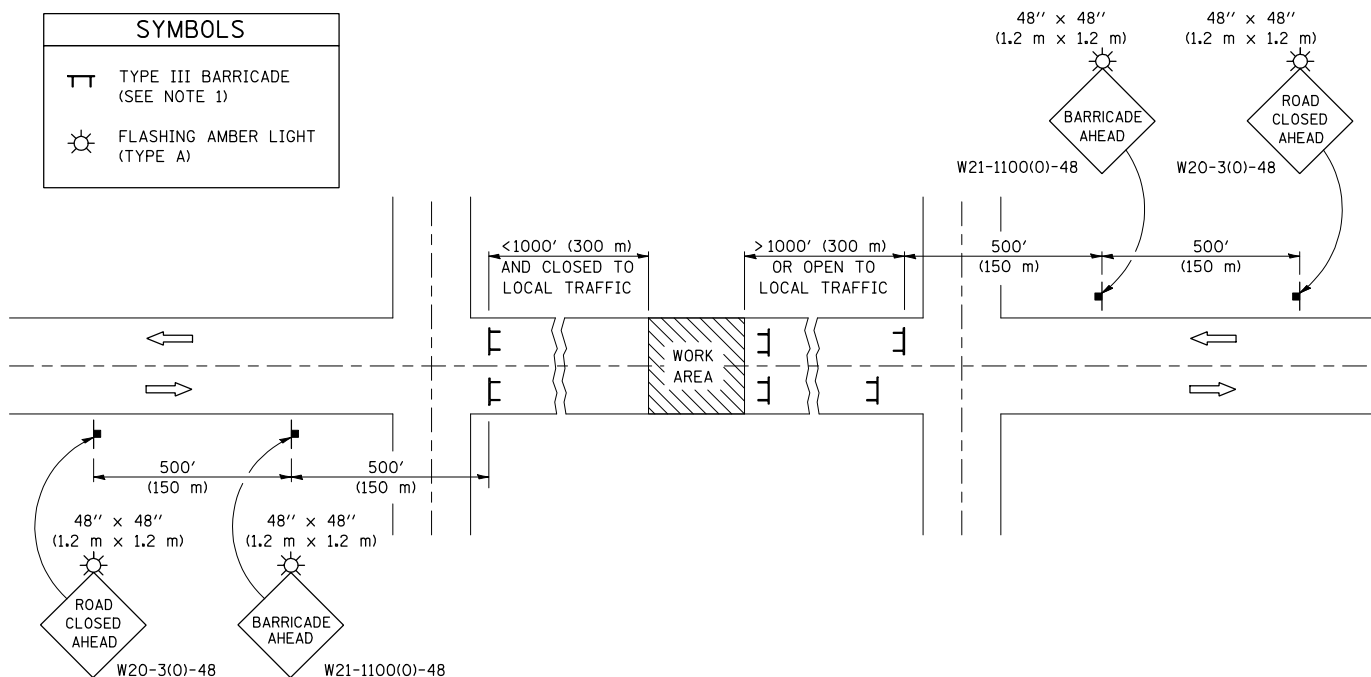
DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
11/06	REPLACED DETAILS D-1.02 & d-1.06		PERMANENT SURVEY MARKERS (TYPE IV & ADJUSTED)
			DISTRICT 5 DETAIL NO. 66700AAA

PLOT DATE = 1/25/2010
 FILE NAME = c:\p\work\66700110\BUCKLES\11\40124902\plan\shs.dgn
 PLOT SCALE = 42,352% / IN.
 USER NAME = bucklesj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	37

ROAD CLOSURE

SIDEROAD / STREET CLOSURE



GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
- WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
- REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TYPE III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT. 725 AND BT. 726 ARE REQUIRED.
- WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
- AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT 725 AND BT 726 ARE REQUIRED.
- THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
- ALL FLAGGERS REQUIRED AT SIDE ROADS AND ENTRANCES REMAINING OPEN TO TRAFFIC AND/OR ADDITIONAL BARRICADES REQUIRED BY THE ENGINEER TO CLOSE SIDE ROADS AND ENTRANCES WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

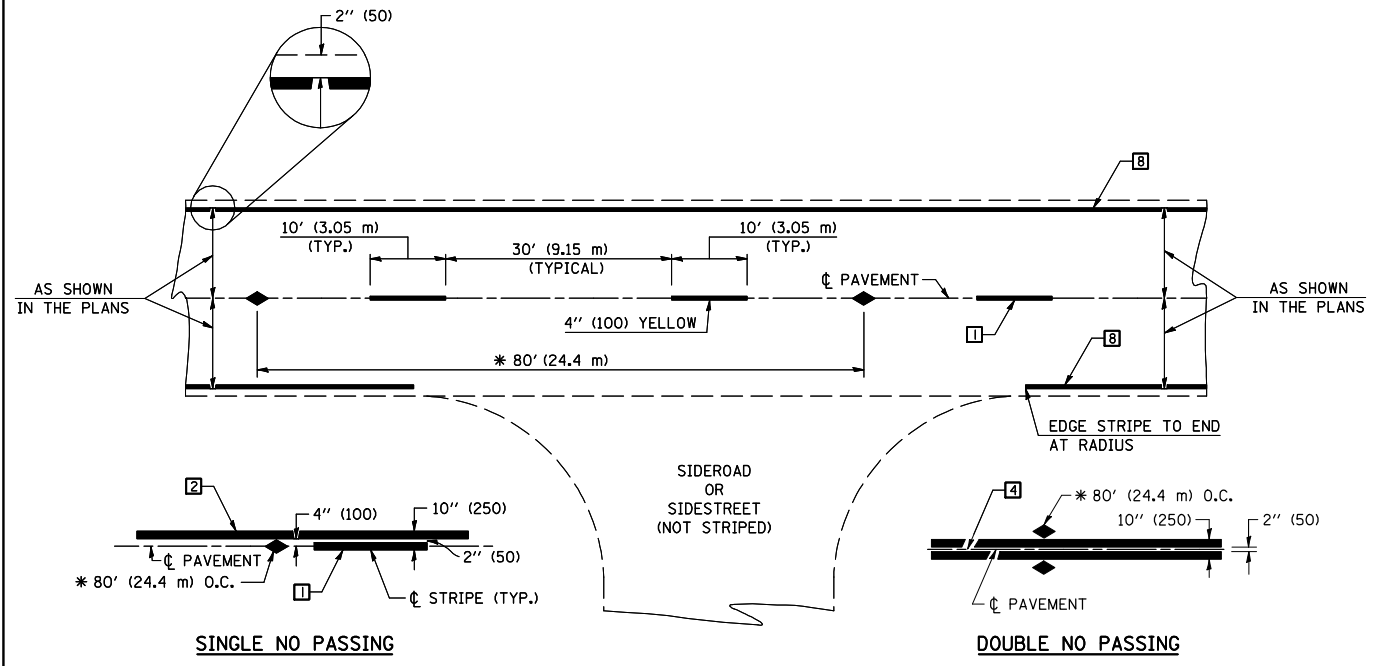
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME
08/07	TITLE CHANGE	KAG
11/06	REPLACED DETAILS F-5.03 & F-5.04	TJB
12/07	REFERENCE CHANGE	KAG
09/09	REVISED GENERAL NOTE	KJT

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL & PROTECTION DEVICES
 (ROAD & SIDEROAD/STREET CLOSURES)
DISTRICT 5 DETAIL NO. 7020000

PLOT DATE = 1/25/2010
 FILE NAME = c:\pwworkspace\PROJECTS\11\1124502\plan sheets.dgn
 PLOT SCALE = 4.23629' / IN.
 USER NAME = bucklesj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	38



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

TWO LANE/TWO WAY

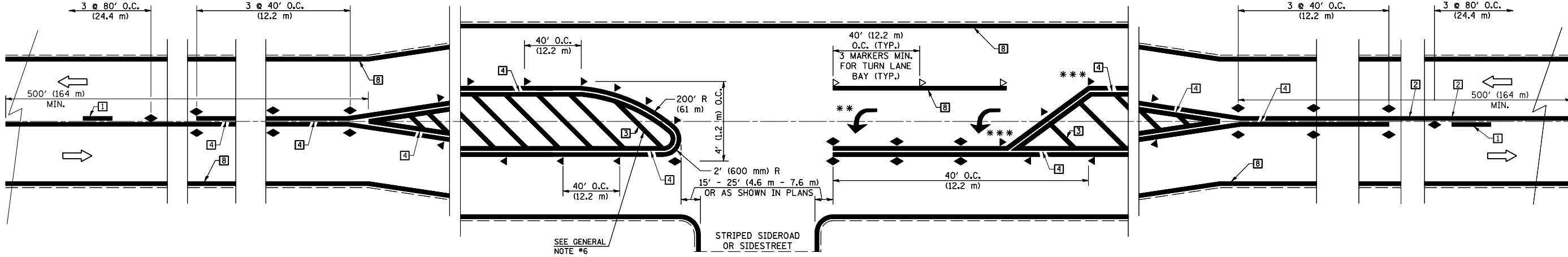
TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

RURAL LEFT TURN



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.
 ** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

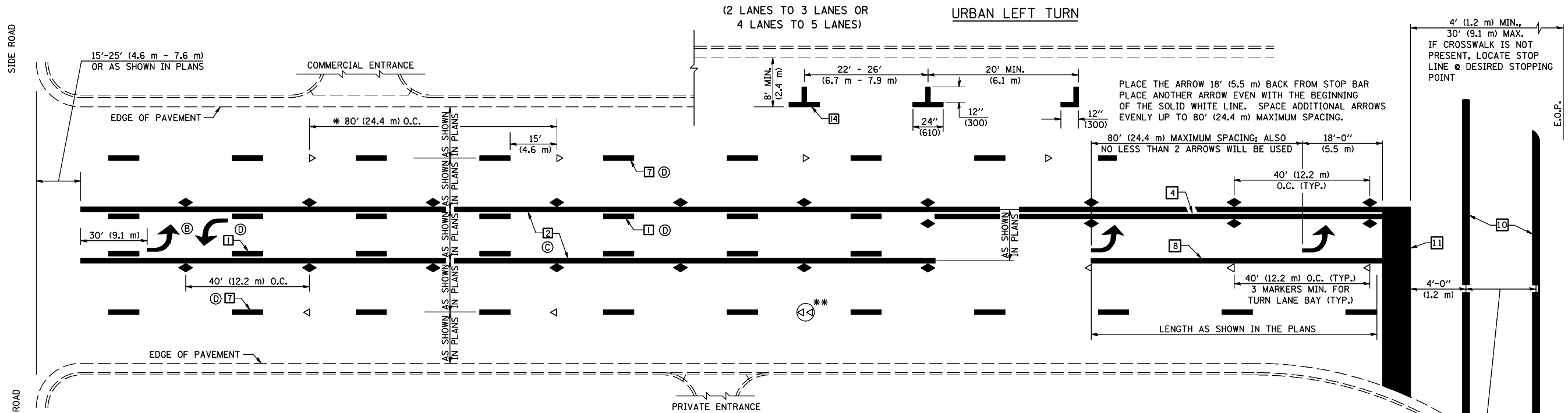
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB
09/2009	REVISED STRIPING	KJT

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
DISTRICT 5 DETAIL NO. 7800AAAA

PLOT DATE = 1/25/2010
 FILE NAME = c:\p\work\p\11001\BUCKLES.JJ\11001\plan\shs.dgn
 PLOT SCALE = 42.3525' / IN.
 USER NAME = bucklesjj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	39

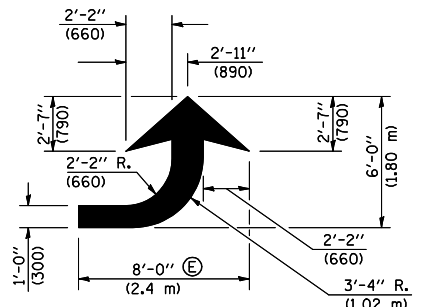


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

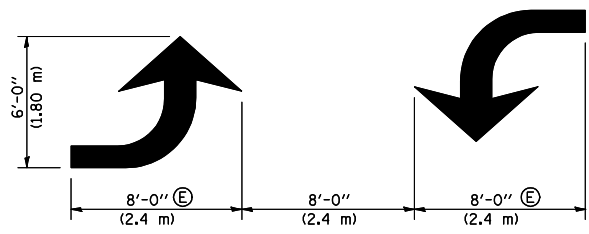
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

GENERAL NOTES:

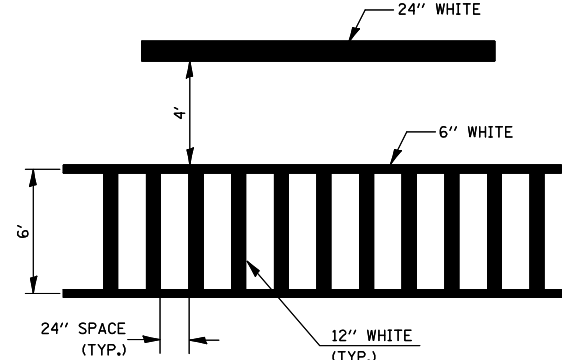
- ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
- ⓒ THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- ⓓ THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
- ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



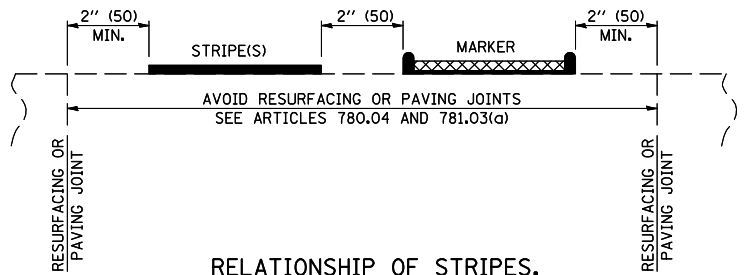
LEFT ARROW
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²) (WHITE)



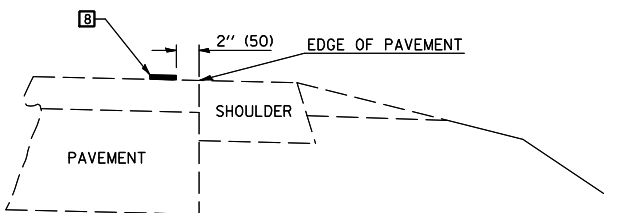
TYPICAL DOUBLE TURN ARROWS (WHITE)



TYPICAL SPACING FOR CROSSWALKS & STOP BARS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT
(SAFETY SHOULDER OR PAVED SURFACE)
SEE ARTICLE 780.04

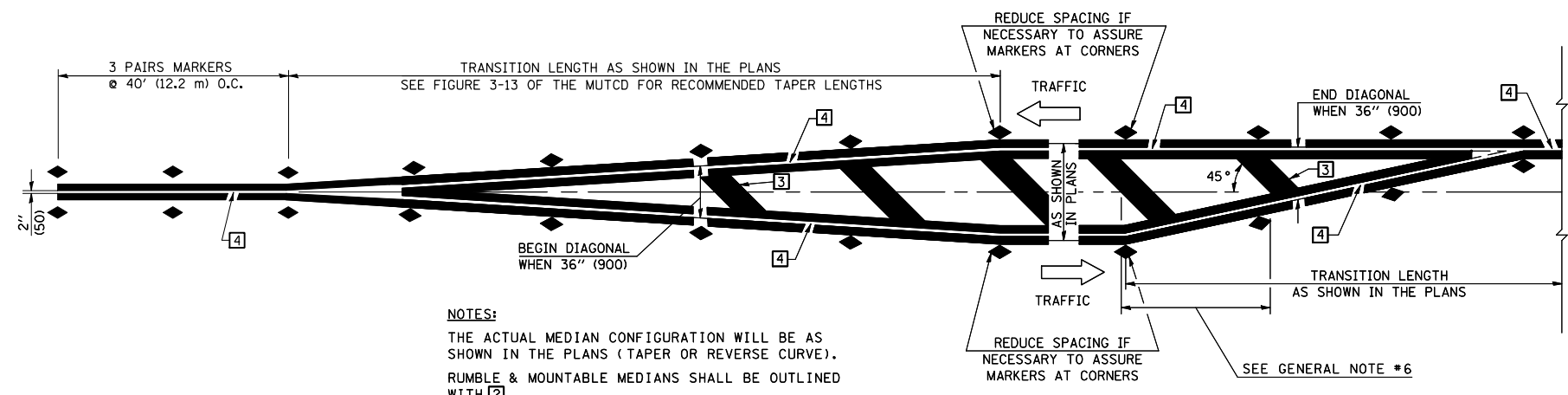
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB
09/2009	REVISED STRIPING	KJT

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
DISTRICT 5 DETAIL NO. 7800AAAA

PLOT DATE = 1/25/2010
 FILE NAME = c:\pave\work\p11001\BUCKLES.JUN\0124902\planhsta.dgn
 PLOT SCALE = 42.3525" / IN.
 USER NAME = bucklesj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	40

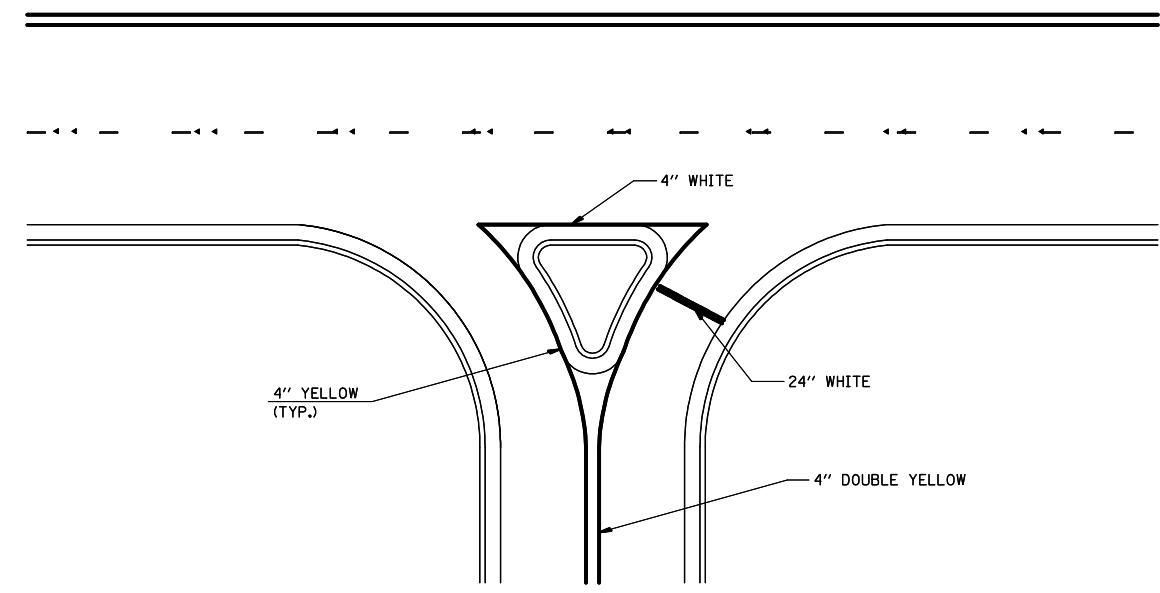


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

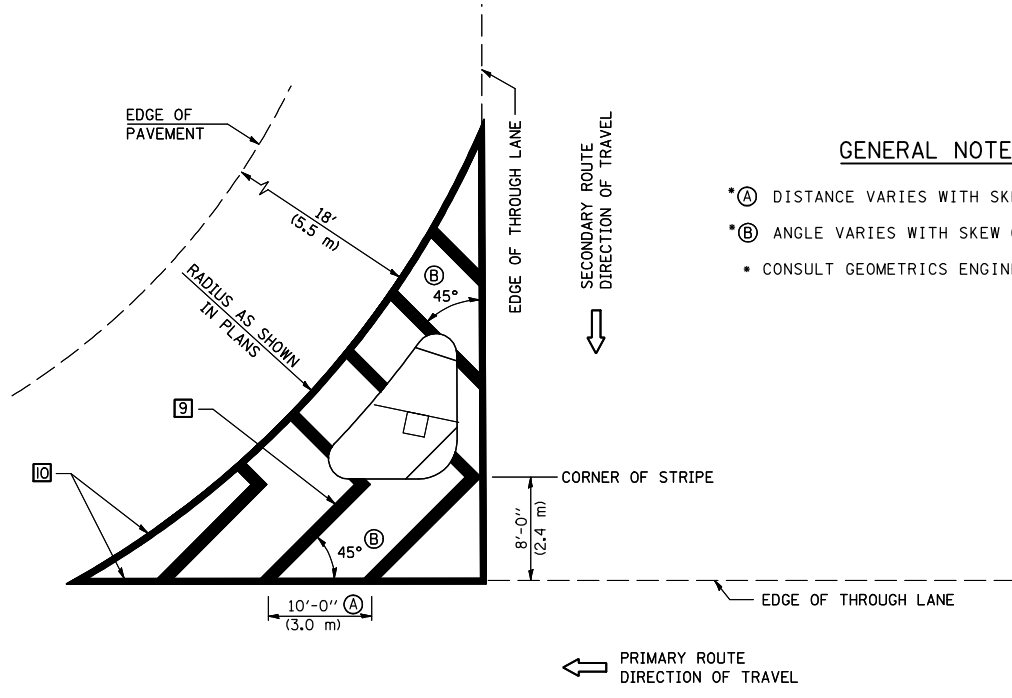
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
 < 30 MPH USE 15' (< 50 km/h USE 4.5 m)
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
 > 45 MPH USE 30' (> 75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



ISLAND

GENERAL NOTES

- *A DISTANCE VARIES WITH SKEW OF INTERSECTION.
- *B ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

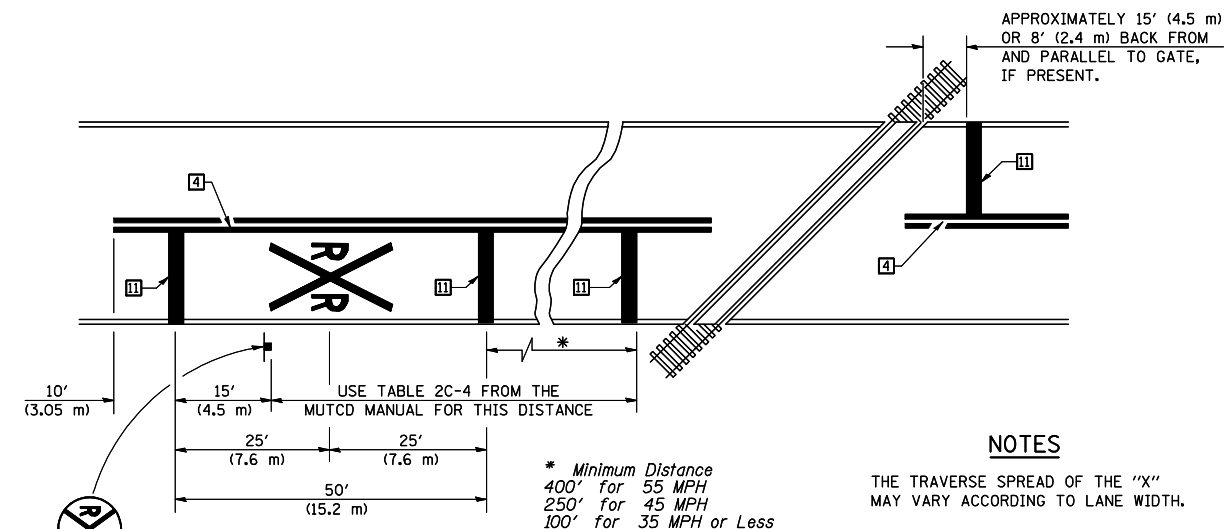
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB
09/2009	REVISED STRIPING	KJT

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
DISTRICT 5 DETAIL NO. 7800AAA

PLOT DATE = 1/25/2010
 FILE NAME = c:\pms\work\p1\1001\BUCKLES.JJ\10124502\plan\shs.dgn
 PLOT SCALE = 42.3525 / IN.
 USER NAME = bucklesjj

F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 RS-4	VERMILION	42	41



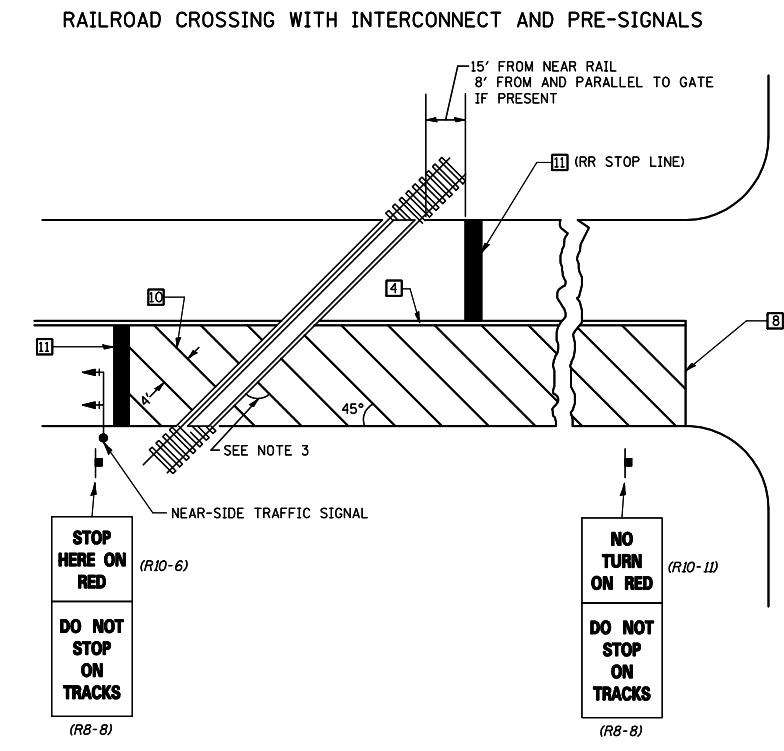
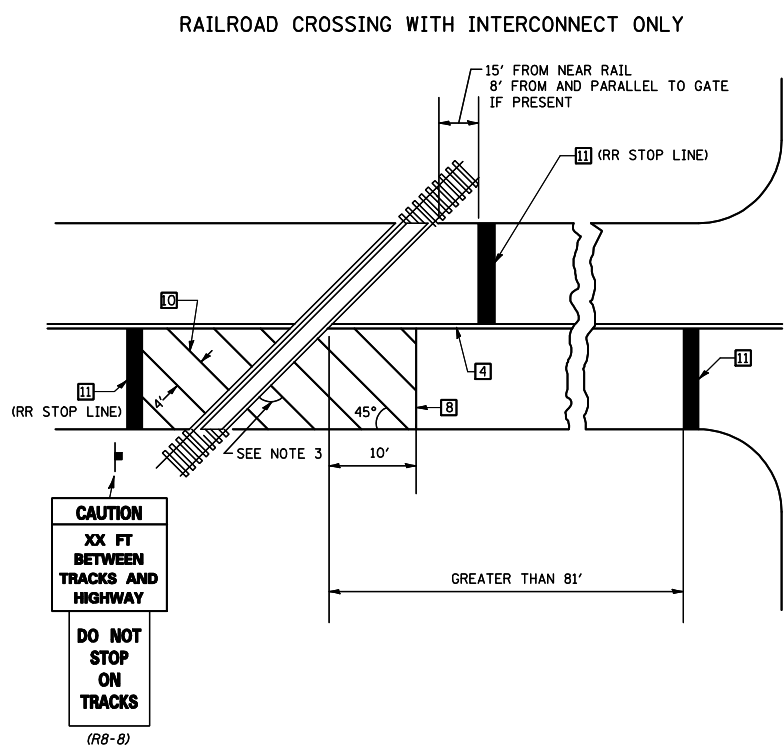
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

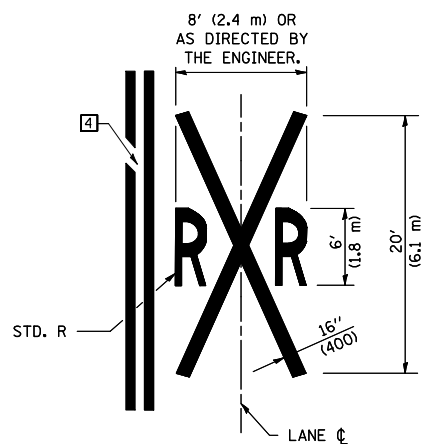
THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING



GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB
09/2009	REVISED STRIPING	KJT

ILLINOIS DEPARTMENT OF TRANSPORTATION

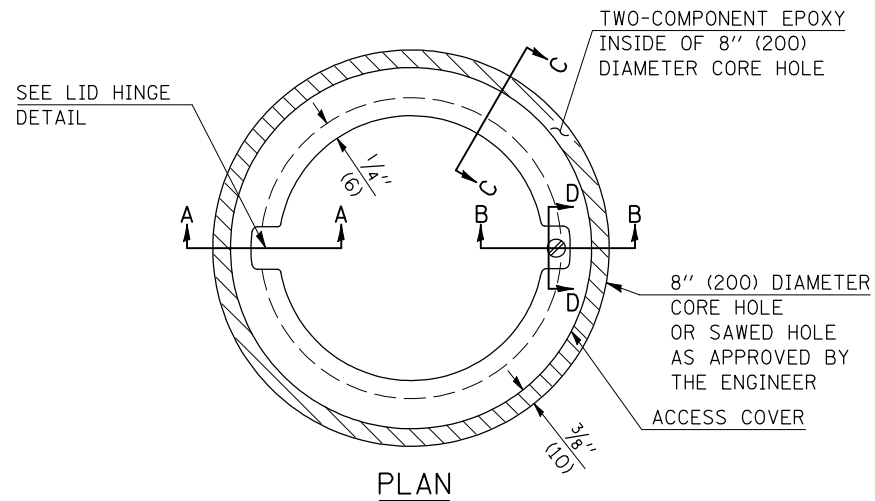
PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

DISTRICT 5 DETAIL NO. 7800AAAA

PLOT DATE = 1/25/2010
 FILE NAME = c:\p\work\p\11001\BUCKLES.J\1100124902\planmshs.dgn
 PLOT SCALE = 42.3525 / IN.
 USER NAME = bucklesj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	122 R5-4	VERMILION	42	42

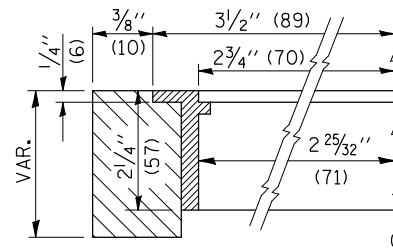
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)



LEGEND

- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY

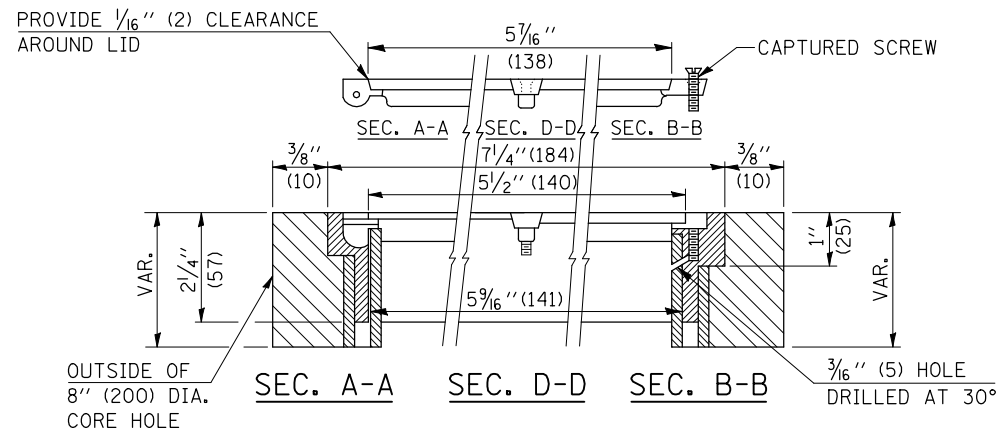
T = THICKNESS OF PAVEMENT STRUCTURE
 H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)



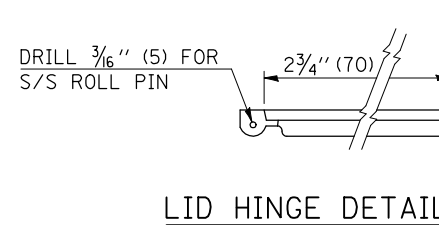
SECTION C-C

SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; Q0-A-601Es. NO EXCEPTIONS.

RE-BAR-SURVEY MARKER, TYPE I, (SPECIAL) TO BE FURNISHED BY THE CONTRACTOR AND SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR (SEE SPECIAL DETAIL SHEET FOR ALUMINUM TABLET AND RE-BAR SPECIFICATIONS).



ELEVATION



LID HINGE DETAIL

BILL OF MATERIAL

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40, ALUMINUM TABLET, STAMPED IN ACCORDANCE WITH STANDARD 667101. 5/8" X 48" (#15 X 1.2 m) RE-BAR, EPOXY AND FA-01/02 AGGREGATE.

GENERAL NOTES

- ALUMINUM CASTING SHALL BE EITHER PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE.
- BACKFILL WITH FINE AGGREGATE - FA-01/02.
- WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
- THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MARKER VAULT WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING, EPOXY AND FA-01/02 AGGREGATE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
- ALL SURVEY MARKER (VAULTS) SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
- THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
11/06	REPLACED DETAIL D-1.04	TJB	SURVEY MARKER VAULT
			DISTRICT 5 DETAIL NO. X0301232

PLOT DATE = 1/25/2010
 FILE NAME = c:\pvc\work\p1001\BUCKLES\11\10124902\planhsts.dgn
 PLOT SCALE = 42.3625 / IN.
 USER NAME = buckles11