

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	101

*(58,74-66)&(74-67&68)RS-1

SCHEDULES

PARTIAL DEPTH PATCHING (CONT'D)

PATCH AREA

STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	Z0004800 BITUMINOUS MIX FOR PATCHING	
					PARTIAL DEPTH REMOVAL (sq. yd.)	(ton)
1343+98.00	EB	DL	6	6	4.0	0.7
1343+65.00	EB	DL	6	6	4.0	0.7
1343+09.00	EB	DL	6	6	4.0	0.7
1342+81.00	EB	DL	6	12	8.0	1.3
1342+35.00	EB	DL	6	6	4.0	0.7
1342+17.00	EB	DL	6	6	4.0	0.7
1341+91.00	EB	DL	6	6	4.0	0.7
1341+39.00	EB	DL	6	6	4.0	0.7
1329+54.00	EB	DL	35	6	23.3	3.9
1326+45.00	EB	DL	8	12	10.7	1.8
1326+16.00	EB	DL	20	6	13.3	2.2
1324+92.00	EB	DL	12	6	8.0	1.3
1317+46.00	EB	DL	6	6	4.0	0.7
1316+94.00	EB	DL	6	6	4.0	0.7
1316+43.00	EB	DL	6	6	4.0	0.7
1316+06.00	EB	DL	15	6	10.0	1.7
1315+23.00	EB	DL	6	6	4.0	0.7
1314+92.00	EB	DL	6	6	4.0	0.7
1313+72.00	EB	DL	6	6	4.0	0.7
1313+26.00	EB	DL	15	6	10.0	1.7
1312+25.00	EB	DL	6	6	4.0	0.7
1310+78.00	EB	DL	30	6	20.0	3.4
1308+11.00	EB	DL	6	6	4.0	0.7
1307+76.00	EB	DL	6	6	4.0	0.7
1306+05.00	EB	DL	6	6	4.0	0.7
1308+79.00	EB	DL	6	6	4.0	0.7
1307+57.00	EB	DL	10	12	13.3	2.2
1305+59.00	EB	DL	6	6	4.0	0.7
1304+87.00	EB	DL	15	6	10.0	1.7
1304+17.00	EB	DL	6	6	4.0	0.7
SUB-TOTAL =					206.7	34.7

PARTIAL DEPTH PATCHING (CONT'D)

PATCH AREA

STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	Z0004800 BITUMINOUS MIX FOR PATCHING	
					PARTIAL DEPTH REMOVAL (sq. yd.)	(ton)
1376+51.00	EB	DL	8	6	5.3	0.9
1374+97.00	EB	DL	6	6	4.0	0.7
1370+60.00	EB	DL	10	12	13.3	2.2
1369+87.00	EB	DL	20	6	13.3	2.2
1366+54.00	EB	DL	6	6	4.0	0.7
1366+10.00	EB	DL	15	6	10.0	1.7
1365+64.00	EB	DL	6	6	4.0	0.7
1365+29.00	EB	DL	6	6	4.0	0.7
1363+60.00	EB	DL	6	6	4.0	0.7
1363+45.00	EB	DL	20	6	13.3	2.2
1363+07.00	EB	DL	6	6	4.0	0.7
1360+80.00	EB	DL	40	6	26.7	4.5
1360+25.00	EB	DL	6	6	4.0	0.7
1357+26.00	EB	DL	40	6	26.7	4.5
1356+11.00	EB	DL	8	6	5.3	0.9
1354+57.00	EB	DL	8	6	5.3	0.9
1354+02.00	EB	DL	6	6	4.0	0.7
1351+99.00	EB	DL	35	6	23.3	3.9
1350+50.00	EB	DL	25	12	33.3	5.6
1350+00.00	EB	DL	50	12	66.7	11.2
1349+78.00	EB	DL	10	12	13.3	2.2
1349+40.00	EB	DL	12	12	16.0	2.7
1348+95.00	EB	DL	10	6	6.7	1.1
1348+76.00	EB	DL	10	12	13.3	2.2
1348+40.00	EB	DL	25	6	16.7	2.8
1347+47.00	EB	DL	10	6	6.7	1.1
1345+84.00	EB	DL	6	6	4.0	0.7
1345+40.00	EB	DL	6	6	4.0	0.7
1345+17.00	EB	DL	6	6	4.0	0.7
1345+00.00	EB	DL	6	6	4.0	0.7
SUB-TOTAL =					363.3	61.0

PLOT DATE = 2/8/2010
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 PLOT SCALE = 105.8824 / IN.
 USER NAME = ceer-lockjd

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES

F.A.I. ROUTE 72
 SECTION (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 Sheet 2 of 4 Sheets

SCALE: NONE DRAWN BY: CADD
 DATE: 12/15/09 CHECKED BY: R.T.B.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	102

* (58,74-66)&(74-67&68)RS-1

SCHEDULES

PARTIAL DEPTH PATCHING (CONT'D)

PATCH AREA

STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	PARTIAL DEPTH REMOVAL (sq. yd.)	Z0004800	
						BITUMINOUS MIX FOR PATCHING (ton)	
1462+00.00	EB	DL	10	6	6.7	1.1	
1460+54.00	EB	DL	6	6	4.0	0.7	
1454+19.00	EB	DL	6	6	4.0	0.7	
1453+16.00	EB	DL	6	6	4.0	0.7	
1419+46.00	EB	DL	6	6	4.0	0.7	
1416+07.00	EB	DL	6	6	4.0	0.7	
1395+82.00	EB	DL	6	6	4.0	0.7	
1392+33.00	EB	DL	6	6	4.0	0.7	
1390+33.00	EB	DL	10	6	6.7	1.1	
1390+15.00	EB	DL	12	12	16.0	2.7	
1389+15.00	EB	DL	6	6	4.0	0.7	
1388+72.00	EB	DL	8	12	10.7	1.8	
1387+33.00	EB	DL	6	6	4.0	0.7	
1386+54.00	EB	DL	10	6	6.7	1.1	
1385+77.00	EB	DL	10	12	13.3	2.2	
1385+21.00	EB	DL	6	6	4.0	0.7	
1384+20.00	EB	DL	15	12	20.0	3.4	
1387+21.00	EB	DL	6	12	8.0	1.3	
1387+02.00	EB	DL	6	6	4.0	0.7	
1386+42.00	EB	DL	6	6	4.0	0.7	
1386+06.00	EB	DL	6	6	4.0	0.7	
1385+38.00	EB	DL	6	6	4.0	0.7	
1385+03.00	EB	DL	20	6	13.3	2.2	
1383+69.00	EB	DL	6	6	4.0	0.7	
1382+82.00	EB	DL	15	12	20.0	3.4	
1381+76.00	EB	DL	6	6	4.0	0.7	
1378+88.00	EB	DL	12	12	16.0	2.7	
SUB-TOTAL =						201.3	33.8
EAST BOUND TOTAL =						1297.3	218.0

PARTIAL DEPTH PATCHING (CONT'D)

PATCH AREA

STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	PARTIAL DEPTH REMOVAL (sq. yd.)	Z0004800	
						BITUMINOUS MIX FOR PATCHING (ton)	
1419+58.00	WB	DL	6	6	4.0	0.7	
1419+30.00	WB	DL	6	6	4.0	0.7	
1416+99.00	WB	DL	6	6	4.0	0.7	
1416+31.00	WB	DL	6	6	4.0	0.7	
1413+68.00	WB	DL	6	6	4.0	0.7	
1412+23.00	WB	DL	10	6	6.7	1.1	
1405+91.00	WB	DL	6	6	4.0	0.7	
1404+69.00	WB	DL	30	6	20.0	3.4	
1401+53.00	WB	DL	25	6	16.7	2.8	
1400+61.00	WB	DL	25	6	16.7	2.8	
1398+67.00	WB	DL	6	6	4.0	0.7	
1396+88.00	WB	DL	8	6	5.3	0.9	
1395+24.00	WB	DL	12	6	8.0	1.3	
1394+94.00	WB	DL	6	6	4.0	0.7	
1394+51.00	WB	DL	15	6	10.0	1.7	
1388+25.00	WB	DL	6	6	4.0	0.7	
1386+98.00	WB	DL	10	6	6.7	1.1	
1383+36.00	WB	DL	20	6	13.3	2.2	
1382+51.00	WB	DL	6	6	4.0	0.7	
1377+30.00	WB	DL	6	6	4.0	0.7	
1361+47.00	WB	DL	6	6	4.0	0.7	
1359+56.00	WB	DL	6	6	4.0	0.7	
1346+00.00	WB	DL	6	6	4.0	0.7	
1345+75.00	WB	DL	6	6	4.0	0.7	
1340+14.00	WB	DL	100	6	66.7	11.2	
1328+11.00	WB	DL	70	6	46.7	7.8	
1326+65.00	WB	DL	6	6	4.0	0.7	
1325+60.00	WB	DL	6	6	4.0	0.7	
1325+04.00	WB	DL	6	6	4.0	0.7	
1317+36.00	WB	DL	6	6	4.0	0.7	
SUB-TOTAL =						292.7	49.2

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 USER NAME = ceal1lockj

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES

F.A.I. ROUTE 72
 SECTION (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 Sheet 3 of 4 Sheets

SCALE: NONE DRAWN BY: CADD
 DATE: 12/15/09 CHECKED BY: R.T.B.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	103

*(58,74-66)&(74-67&68)RS-1

SCHEDULES

PARTIAL DEPTH PATCHING (CONTD)

PATCH AREA

STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	PARTIAL DEPTH REMOVAL (sq. yd.)	Z0004800 BITUMINOUS MIX FOR PATCHING	
						(sq. yd.)	(ton)
1316+78.00	WB	DL	6	6	4.0	0.7	
1315+62.00	WB	DL	6	6	4.0	0.7	
1312+00.00	WB	DL	6	6	4.0	0.7	
1310+51.00	WB	DL	6	12	8.0	1.3	
1307+74.00	WB	DL	6	6	4.0	0.7	
1286+00.00	WB	DL	6	6	4.0	0.7	
1263+67.00	WB	DL	6	6	4.0	0.7	
1263+43.00	WB	DL	6	6	4.0	0.7	
1260+37.00	WB	DL	6	6	4.0	0.7	
1259+93.00	WB	DL	10	6	6.7	1.1	
1255+28.00	WB	DL	6	6	4.0	0.7	
1248+00.00	WB	DL	6	6	4.0	0.7	
1243+50.00	WB	DL	10	6	6.7	1.1	
1240+83.00	WB	DL	6	6	4.0	0.7	
1240+00.00	WB	DL	6	6	4.0	0.7	
1209+95.00	WB	DL	6	6	4.0	0.7	
1209+80.00	WB	DL	6	6	4.0	0.7	

SUB-TOTAL =	77.3	13.0
WEST BOUND TOTAL =	370.0	62.2
TOTAL =	1667.3	280.1
USE =	1670.0	281.0

PLOT DATE = 2/8/2010
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ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES

F.A.I. ROUTE 72
 SECTION (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
Sheet 4 of 4 Sheets

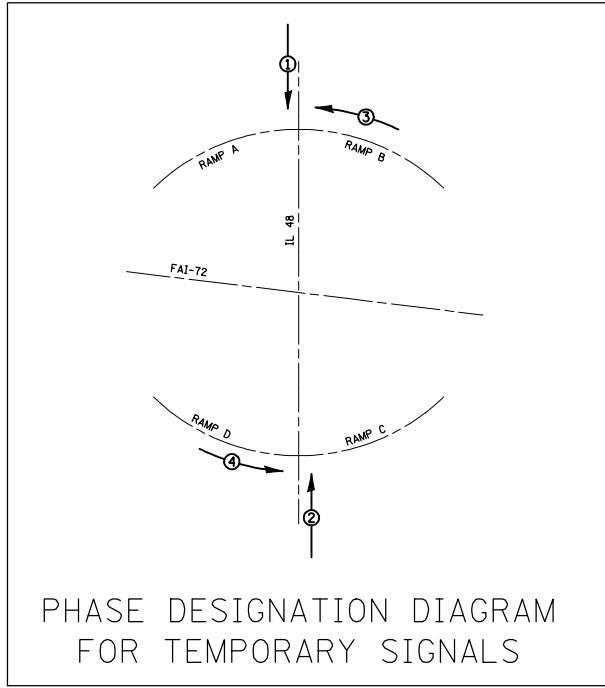
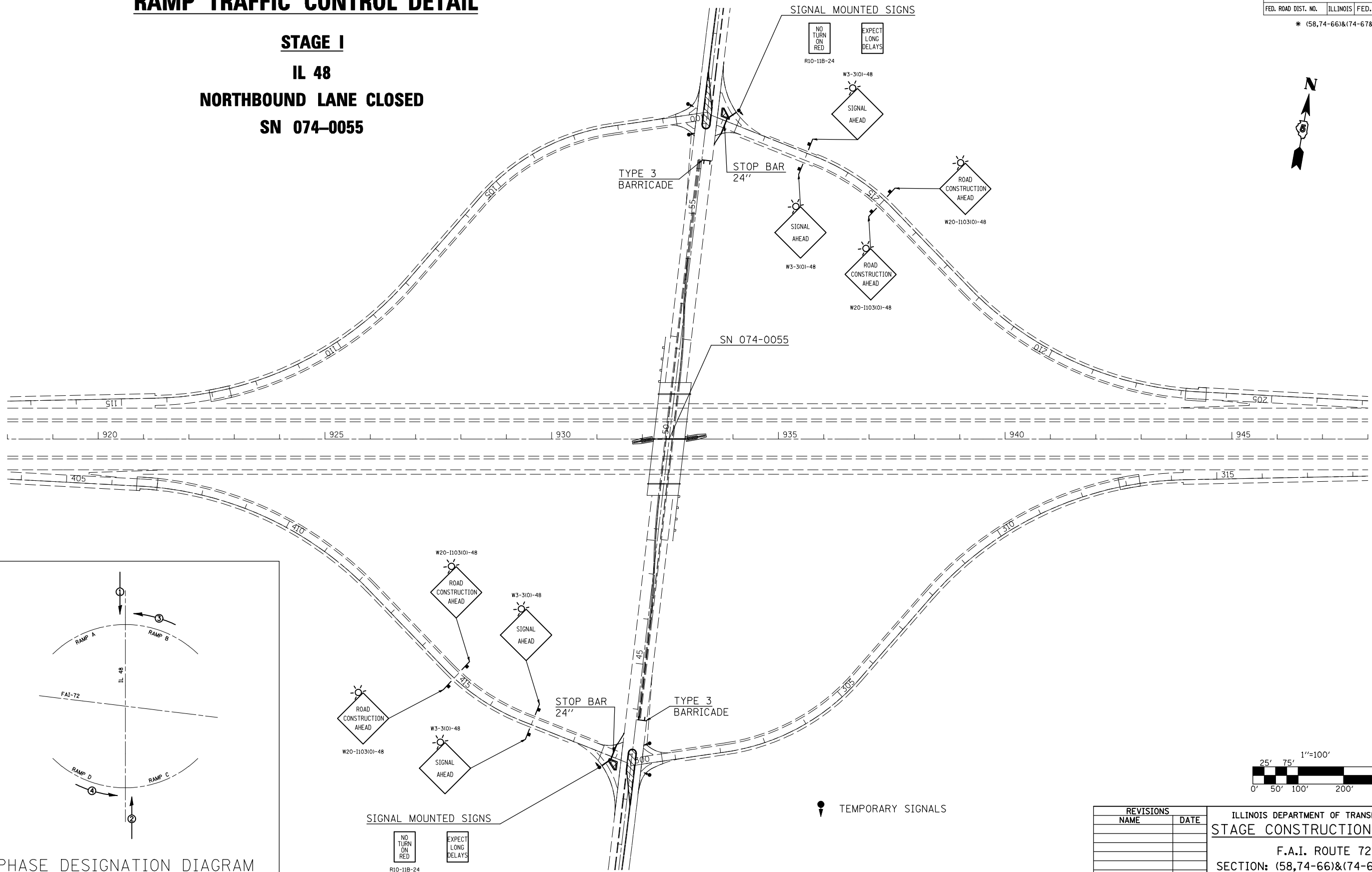
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	106
STA. 918+00		TO STA. 948+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

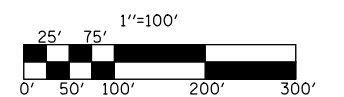
*(58,74-66)&(74-67&68)RS-1

RAMP TRAFFIC CONTROL DETAIL

STAGE I
IL 48
NORTHBOUND LANE CLOSED
SN 074-0055



PHASE DESIGNATION DIAGRAM FOR TEMPORARY SIGNALS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE CONSTRUCTION SIGNING
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

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 USER NAME = clearlockjd

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72		PIATT	251	107

STA.	TO STA.

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

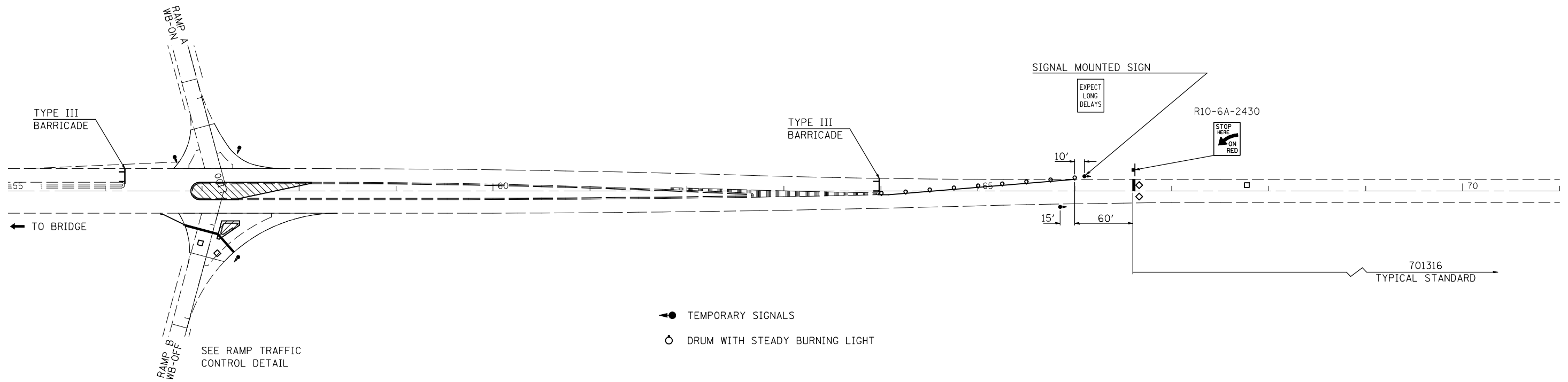
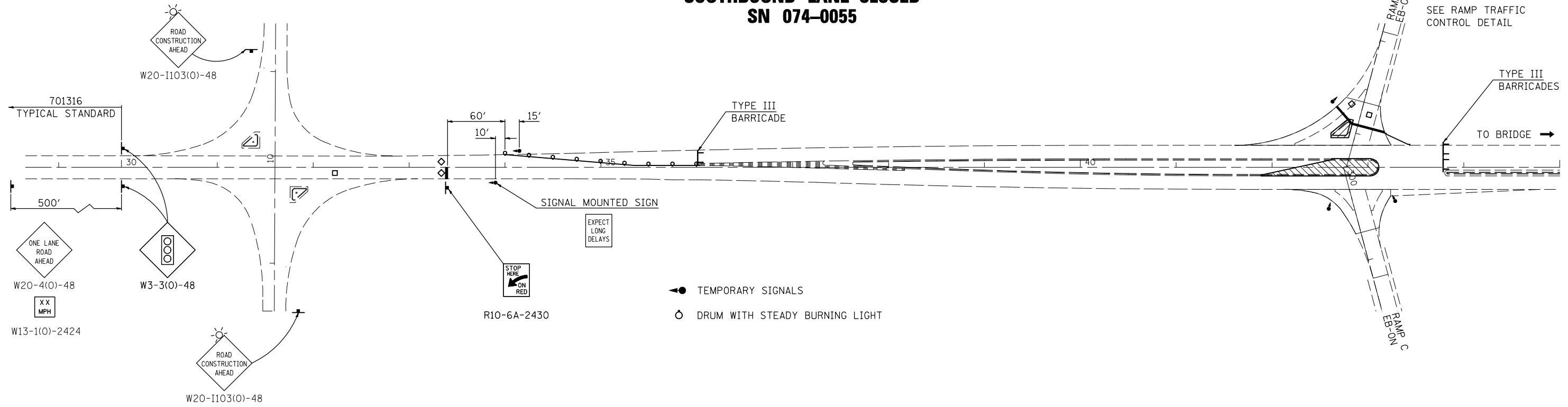
* (58,74-66)&(74-67&68)RS-1

STAGE II

IL 48

SOUTHBOUND LANE CLOSED

SN 074-0055



- TEMPORARY SIGNALS
- DRUM WITH STEADY BURNING LIGHT

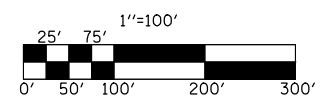
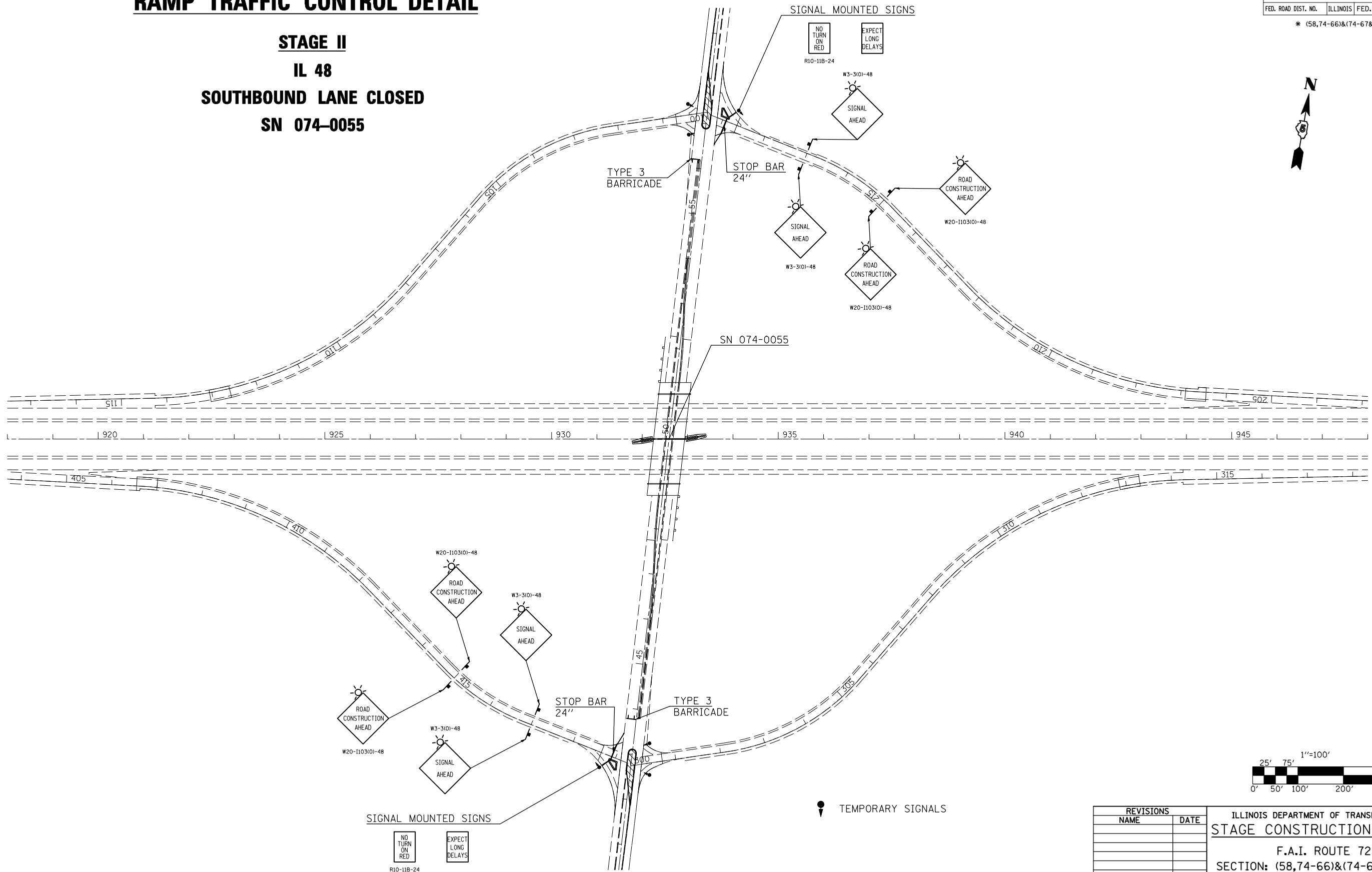
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	108
STA. 918+00		TO STA. 948+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(58,74-66)&(74-67&68)RS-1

RAMP TRAFFIC CONTROL DETAIL

STAGE II
IL 48
SOUTHBOUND LANE CLOSED
SN 074-0055



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE CONSTRUCTION SIGNING
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

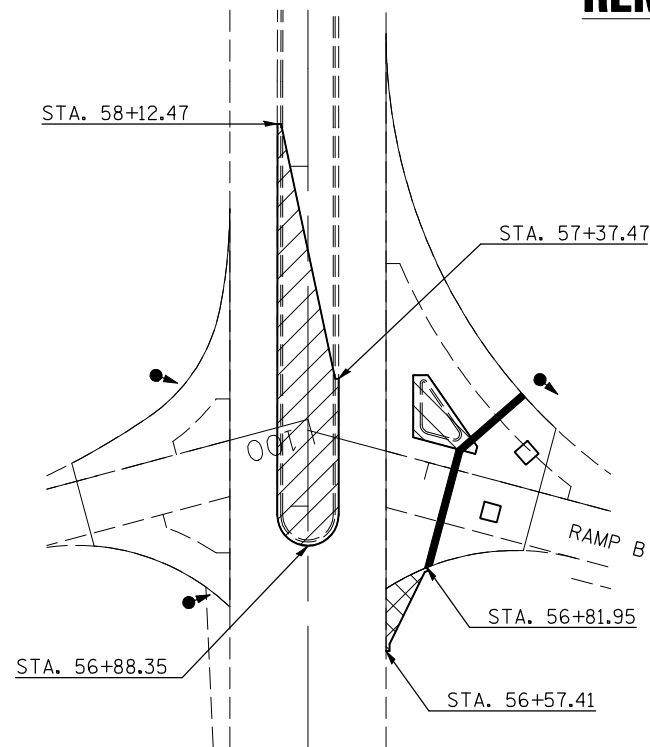
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 USER NAME = cearlockjd

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	109

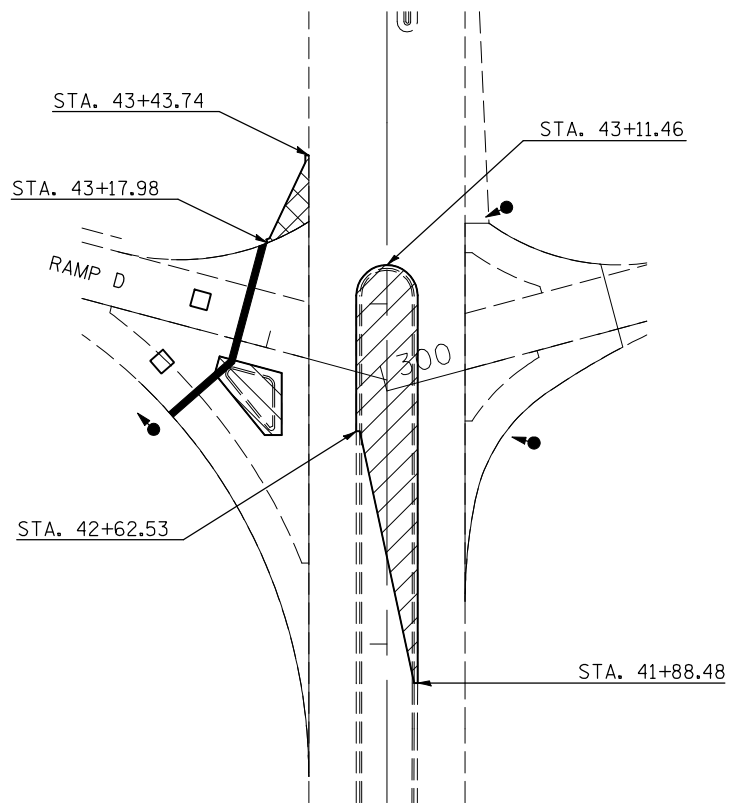
STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

*(58,74-66)&(74-67&68)RS-1

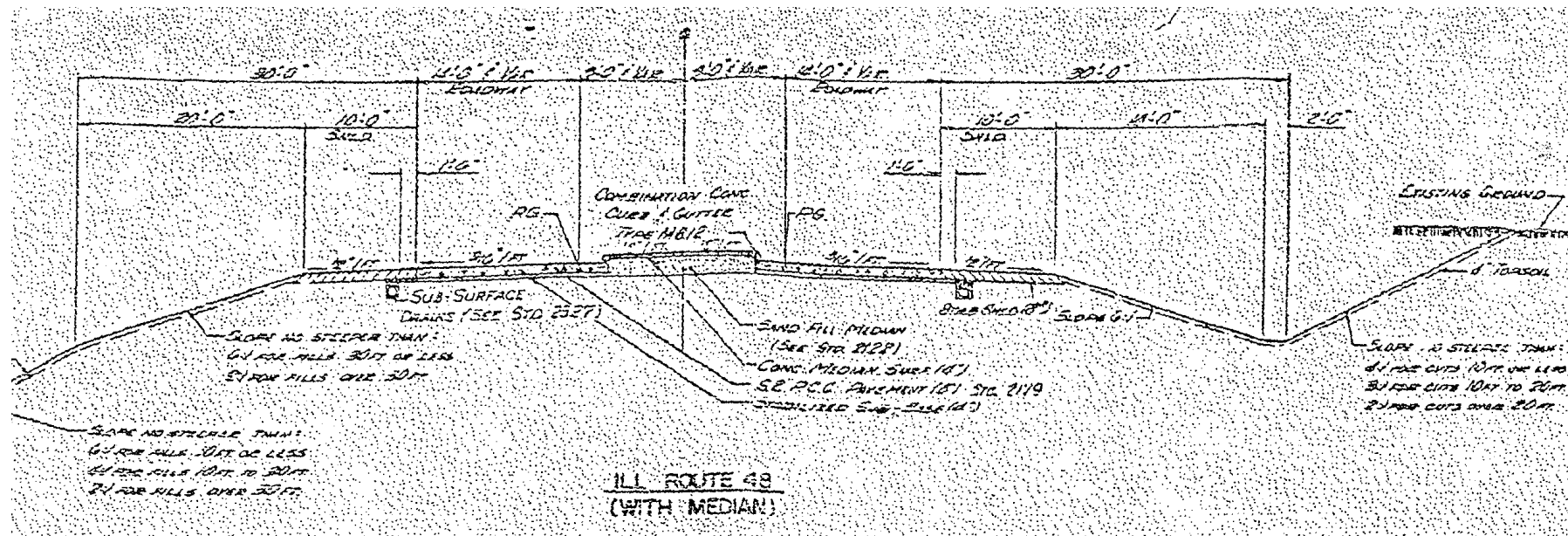
REMOVAL /REPLACEMENT OF ISLANDS & MEDIANS FOR S.N. 074-0055 STAGE CONSTRUCTION



PAY ITEM	UNIT	RAMP B	
		INTERSECTION	INTERSECTION
CONCRETE MEDIAN REMOVE & REPLACE	SQ. FT.	1,521.0	1,512.0
ISLAND REMOVAL	SQ. FT.	238.7	274.4
CONCRETE ISLAND, SPECIAL	SQ. FT.	238.7	274.4
PCC BASE COURSE, 9"	SQ. FT.	114.4	123.0
SUB-BASE GRANULAR MATERIAL, TYPE A, 4"	SQ. YD.	120.0	128.0
TEMPORARY PAVEMENT MARKING - LINE 24" WHITE (STOP BAR)	FOOT	60.5	59.5
TIE BARS	EACH	18.0	16.0



- ISLAND REMOVAL & CONCRETE ISLAND (SPECIAL)
- CONCRETE MEDIAN REMOVE & REPLACE
- PCC BASE COURSE, 9"



AS BUILT TYPICAL CROSS SECTION FOR CONCRETE MEDIAN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE CONSTRUCTION DETAILS

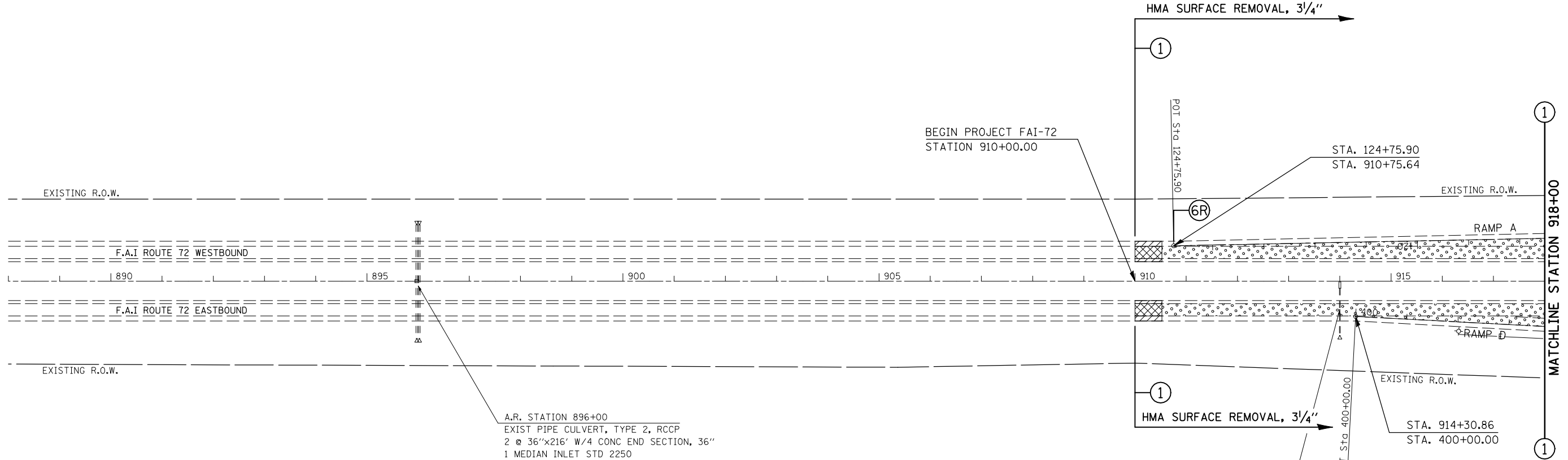
F.A.I. ROUTE 72
SECTION: (58,74-66)&(74-67&68)RS-1
PIATT COUNTY

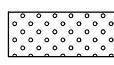
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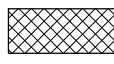
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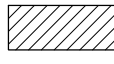
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	110
STA. 888+00		TO STA. 918+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (58,74-66)&(74-67&68)RS-1



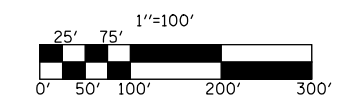
- 
 HMA SURFACE REMOVAL, 3 1/4"
 THE SPECIFIED DEPTH IS INTENDED TO REMOVE THE FULL THICKNESS OF EXISTING HMA OVERLAY AND TEXTURE THE EXISTING CONCRETE PAVEMENT SURFACE

- 
 AREA OF MILLING TRANSITION
 THE AREA OF MILLING TRANSITION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE HMA SURFACE REMOVAL, 3 1/4"
 NO ADDITIONAL COMPENSATION SHALL BE ALLOWED

- 
 HOT MIX ASPHALT SURFACE REMOVAL-BUTT JOINT AT MAINLINE SHOULDERS

A.R. STATION 896+00
 EXIST PIPE CULVERT, TYPE 2, RCCP
 2 @ 36"x216' W/4 CONC END SECTION, 36"
 1 MEDIAN INLET STD 2250

RT STATION 914+00
 EXIST PIPE CULVERT, TYPE 2, RCCP
 24"x94' W/1 END SECTION, 24"
 1 MEDIAN INLET STD 2244



SEE DETAILS FOR I-72 MAINLINE MILLING AND RESURFACING TRANSITIONS
 SHEET 1 OF 4

PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY

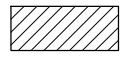
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DRAWN BY: CADD
 CHECKED BY:

PLOT DATE = 2/8/2010
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 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesjj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	111
STA. 918+00		TO STA. 948+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (58,74-66)&(74-67&68)RS-1

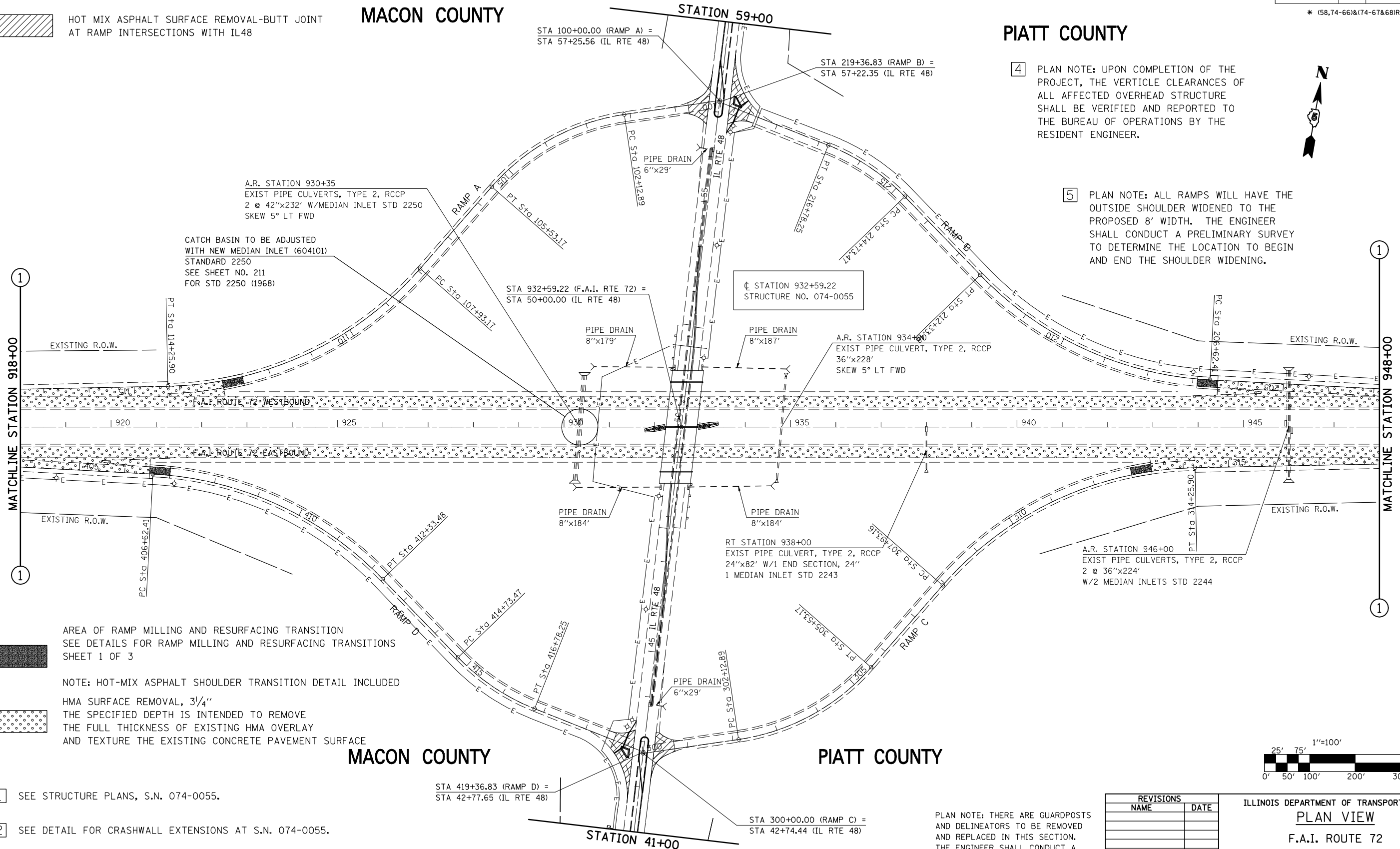
 HOT MIX ASPHALT SURFACE REMOVAL-BUTT JOINT AT RAMP INTERSECTIONS WITH IL48

MACON COUNTY

PIATT COUNTY

4 PLAN NOTE: UPON COMPLETION OF THE PROJECT, THE VERTICLE CLEARANCES OF ALL AFFECTED OVERHEAD STRUCTURE SHALL BE VERIFIED AND REPORTED TO THE BUREAU OF OPERATIONS BY THE RESIDENT ENGINEER.

5 PLAN NOTE: ALL RAMPS WILL HAVE THE OUTSIDE SHOULDER WIDENED TO THE PROPOSED 8' WIDTH. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE THE LOCATION TO BEGIN AND END THE SHOULDER WIDENING.



A.R. STATION 930+35
EXIST PIPE CULVERTS, TYPE 2, RCCP
2 @ 42''x232' W/MEDIAN INLET STD 2250
SKEW 5° LT FWD

CATCH BASIN TO BE ADJUSTED
WITH NEW MEDIAN INLET (604101)
STANDARD 2250
SEE SHEET NO. 211
FOR STD 2250 (1968)

STATION 932+59.22
STRUCTURE NO. 074-0055


A.R. STATION 934+80
EXIST PIPE CULVERT, TYPE 2, RCCP
36''x228'
SKEW 5° LT FWD

RT STATION 938+00
EXIST PIPE CULVERT, TYPE 2, RCCP
24''x82' W/1 END SECTION, 24''
1 MEDIAN INLET STD 2243

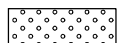
A.R. STATION 946+00
EXIST PIPE CULVERTS, TYPE 2, RCCP
2 @ 36''x224'
W/2 MEDIAN INLETS STD 2244

STA 419+36.83 (RAMP D) =
STA 42+77.65 (IL RTE 48)

STA 300+00.00 (RAMP C) =
STA 42+74.44 (IL RTE 48)

 AREA OF RAMP MILLING AND RESURFACING TRANSITION
SEE DETAILS FOR RAMP MILLING AND RESURFACING TRANSITIONS
SHEET 1 OF 3

NOTE: HOT-MIX ASPHALT SHOULDER TRANSITION DETAIL INCLUDED

 HMA SURFACE REMOVAL, 3/4''
THE SPECIFIED DEPTH IS INTENDED TO REMOVE
THE FULL THICKNESS OF EXISTING HMA OVERLAY
AND TEXTURE THE EXISTING CONCRETE PAVEMENT SURFACE

- 1 SEE STRUCTURE PLANS, S.N. 074-0055.
- 2 SEE DETAIL FOR CRASHWALL EXTENSIONS AT S.N. 074-0055.
- 3 SEE DETAIL FOR IMPACT ATTENUATORS (NON-DIRECTIVE) TEST LEVEL 3.

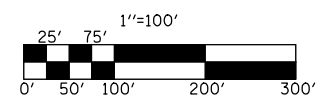
PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.I. ROUTE 72
SECTION: (58,74-66)&(74-67&68)RS-1
PIATT COUNTY

SCALE: 1" = 100'
DATE: 10/18/05

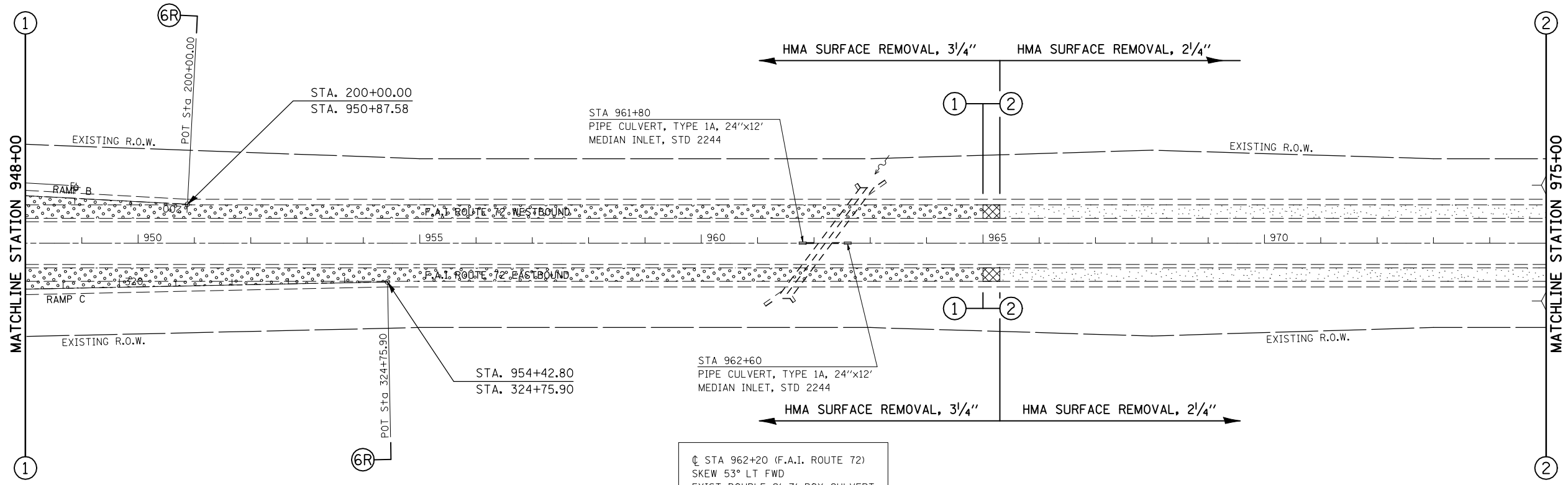
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CHECKED BY:

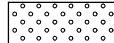



PLOT DATE = 2/8/2010
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PLOT SCALE = 211.7647 / / IN.
USER NAME = bucklesjj


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	112
STA. 948+00		TO STA. 975+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (58,74-66)&(74-67&68)RS-1



- 

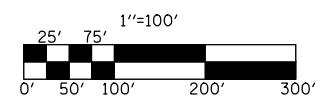
HMA SURFACE REMOVAL, 3/4"
THE SPECIFIED DEPTH IS INTENDED TO REMOVE THE FULL THICKNESS OF EXISTING HMA OVERLAY AND TEXTURE THE EXISTING CONCRETE PAVEMENT SURFACE
- 

AREA OF MILLING TRANSITION
THE AREA OF MILLING TRANSITION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE HMA SURFACE REMOVAL, 3/4"
NO ADDITIONAL COMPENSATION SHALL BE ALLOWED
- 

HMA SURFACE REMOVAL, 2 1/4"

SEE DETAILS FOR I-72 MAINLINE MILLING AND RESURFACING TRANSITIONS
SHEET 2 OF 4

⊙ STA 962+20 (F.A.I. ROUTE 72)
SKEW 53° LT FWD
EXIST DOUBLE 9'x7' BOX CULVERT
STRUCTURE NO. 074-0057



PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.I. ROUTE 72
SECTION: (58,74-66)&(74-67&68)RS-1
PIATT COUNTY
SCALE: 1" = 100'
DATE: 10/18/05
DRAWN BY: CADD
CHECKED BY:

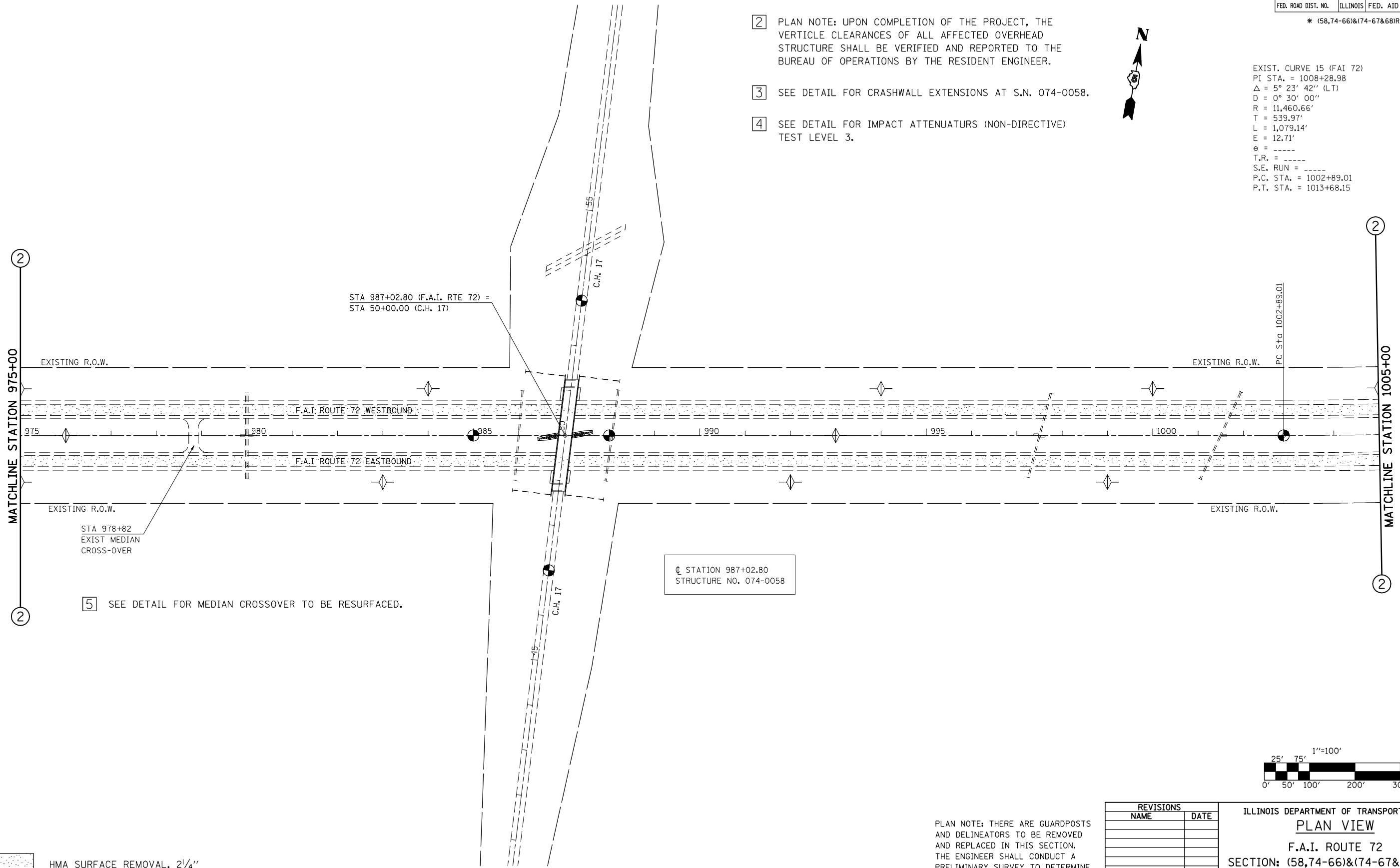
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PLOT SCALE = 211.7647 / IN.
USER NAME = bucklesjj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	113
STA. 975+00		TO STA. 1005+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (58,74-66)&(74-67&68)RS-1

EXIST. CURVE 15 (FAI 72)
 PI STA. = 1008+28.98
 $\Delta = 5^\circ 23' 42''$ (LT)
 $D = 0^\circ 30' 00''$
 $R = 11,460.66'$
 $T = 539.97'$
 $L = 1,079.14'$
 $E = 12.71'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA. = 1002+89.01$
 $P.T. STA. = 1013+68.15$

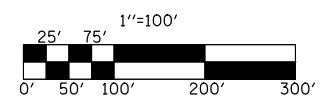
- 1 SEE STRUCTURE PLANS, S.N. 074-0058.
- 2 PLAN NOTE: UPON COMPLETION OF THE PROJECT, THE VERTICLE CLEARANCES OF ALL AFFECTED OVERHEAD STRUCTURE SHALL BE VERIFIED AND REPORTED TO THE BUREAU OF OPERATIONS BY THE RESIDENT ENGINEER.
- 3 SEE DETAIL FOR CRASHWALL EXTENSIONS AT S.N. 074-0058.
- 4 SEE DETAIL FOR IMPACT ATTENUATORS (NON-DIRECTIVE) TEST LEVEL 3.



5 SEE DETAIL FOR MEDIAN CROSSOVER TO BE RESURFACED.

STATION 987+02.80
 STRUCTURE NO. 074-0058

HMA SURFACE REMOVAL, 2 1/4"



PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

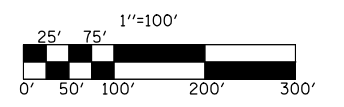
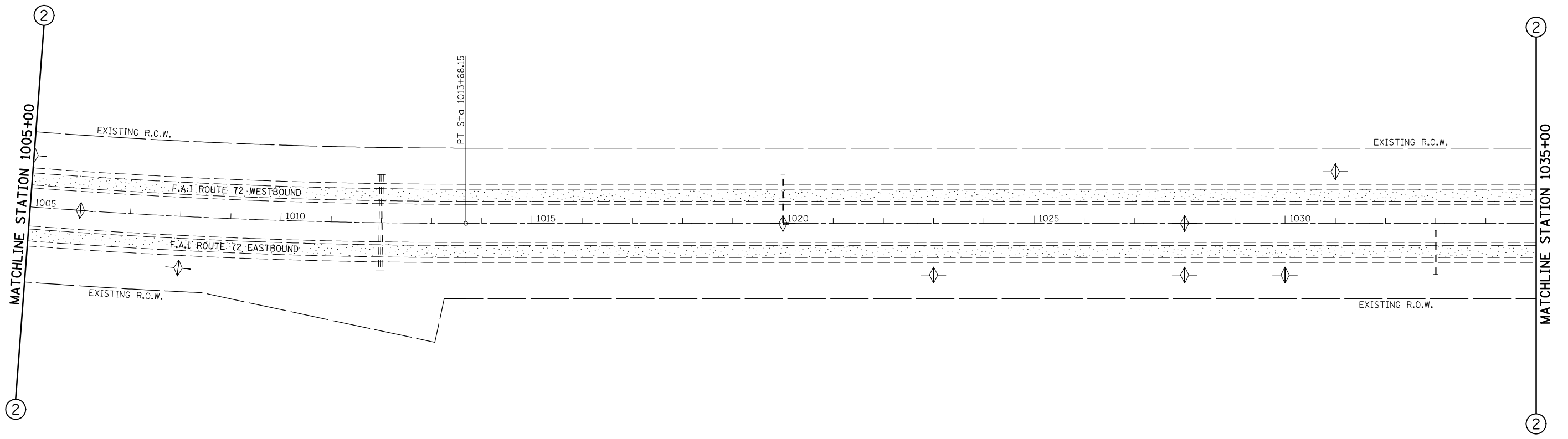
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

PLOT DATE = 2/8/2010
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 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesjj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	114
STA. 1005+00		TO STA. 1035+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (58,74-66)&(74-67&68)RS-1



 HMA SURFACE REMOVAL, 2 1/4"

PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

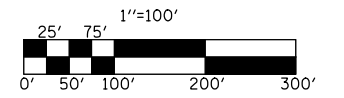
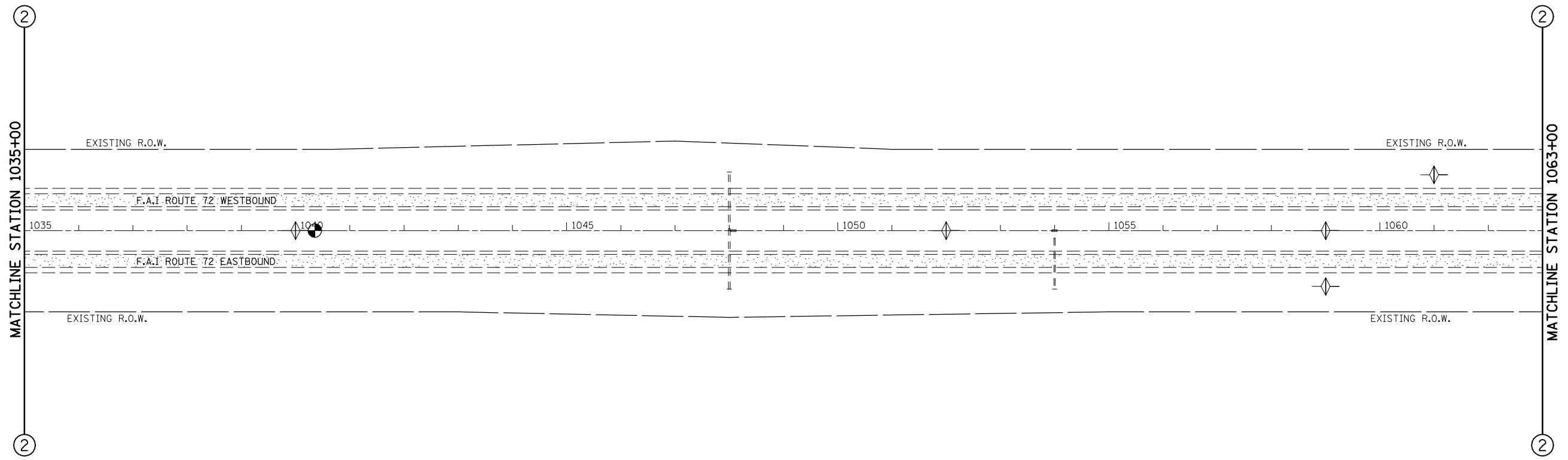
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

PLOT DATE = 2/8/2010
 FILE NAME = G:\pwork\PIATT\BUCKLESJJ\d0109678\100p1and.dgn
 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesjj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	115
STA. 1035+00		TO STA. 1063+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (58,74-66)&(74-67&68)RS-1



 HMA SURFACE REMOVAL, 2 1/4"

PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

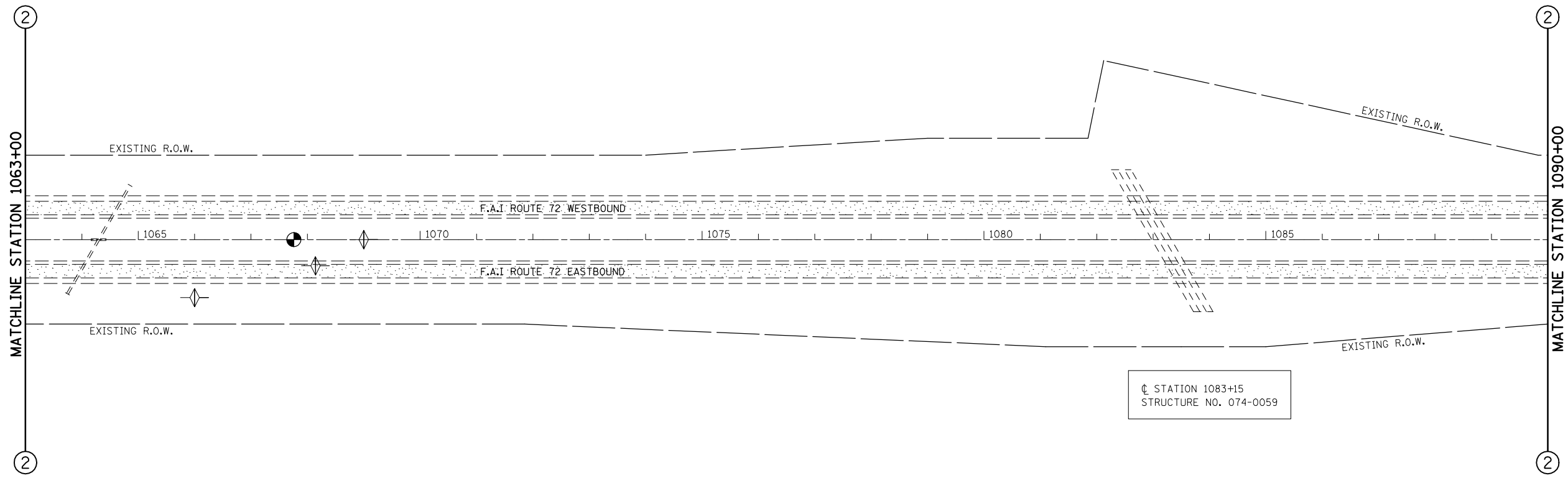
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

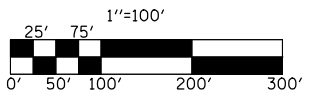
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 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesjj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	116
STA. 1063+00		TO STA. 1090+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (58,74-66)&(74-67&68)RS-1



⊕ STATION 1083+15
STRUCTURE NO. 074-0059



 HMA SURFACE REMOVAL, 2 1/4"

PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

REVISIONS	
NAME	DATE

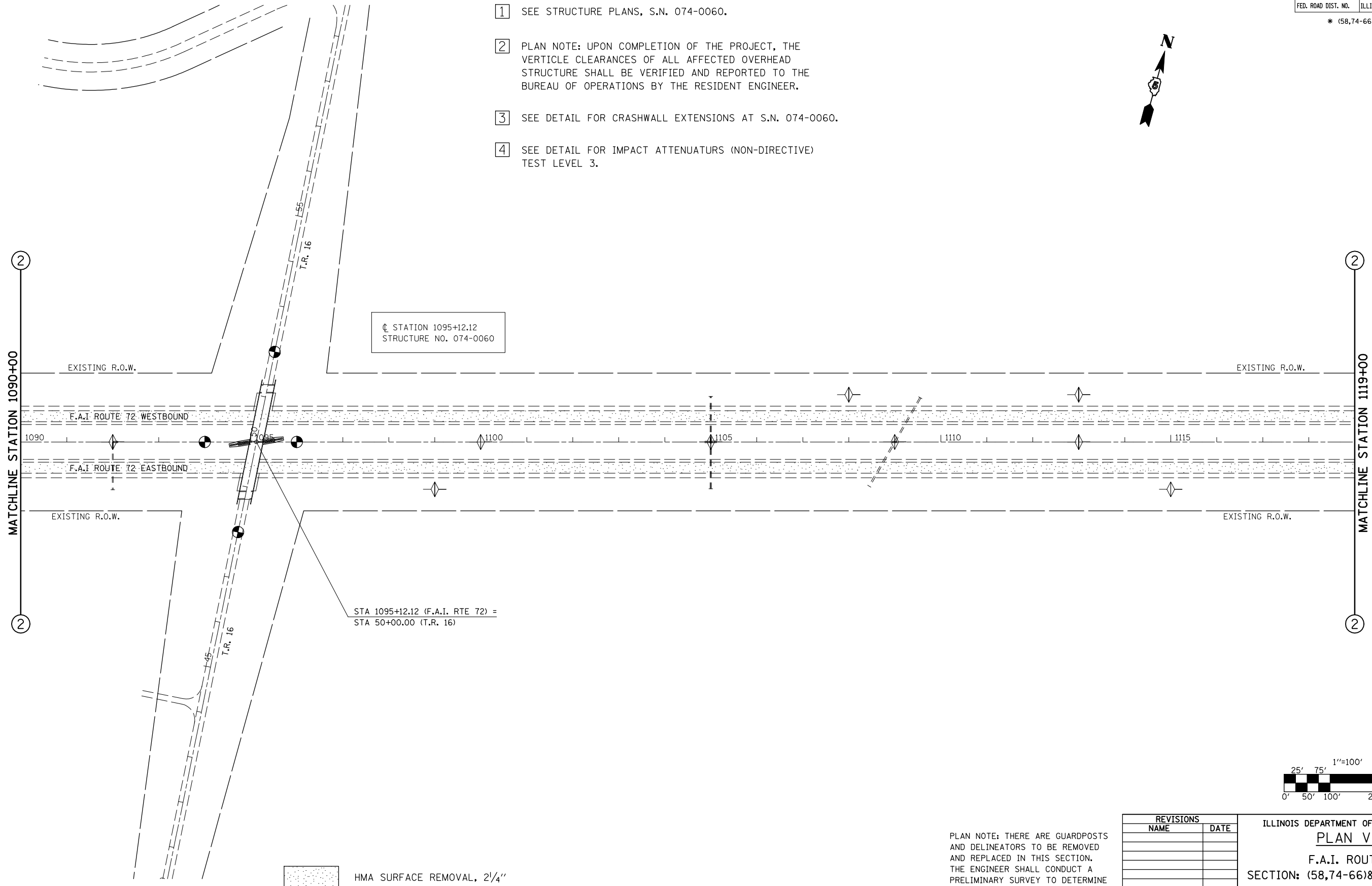
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.I. ROUTE 72
SECTION: (58,74-66)&(74-67&68)RS-1
PIATT COUNTY

SCALE: 1" = 100'
DATE: 10/18/05
DRAWN BY: CADD
CHECKED BY:

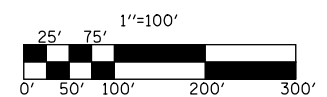
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	117
STA. 1090+00		TO STA. 1119+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(58,74-66)&(74-67&68)RS-1

- 1 SEE STRUCTURE PLANS, S.N. 074-0060.
- 2 PLAN NOTE: UPON COMPLETION OF THE PROJECT, THE VERTICLE CLEARANCES OF ALL AFFECTED OVERHEAD STRUCTURE SHALL BE VERIFIED AND REPORTED TO THE BUREAU OF OPERATIONS BY THE RESIDENT ENGINEER.
- 3 SEE DETAIL FOR CRASHWALL EXTENSIONS AT S.N. 074-0060.
- 4 SEE DETAIL FOR IMPACT ATTENUATORS (NON-DIRECTIVE) TEST LEVEL 3.



PLOT DATE = 2/8/2010
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 USER NAME = bucklesjj



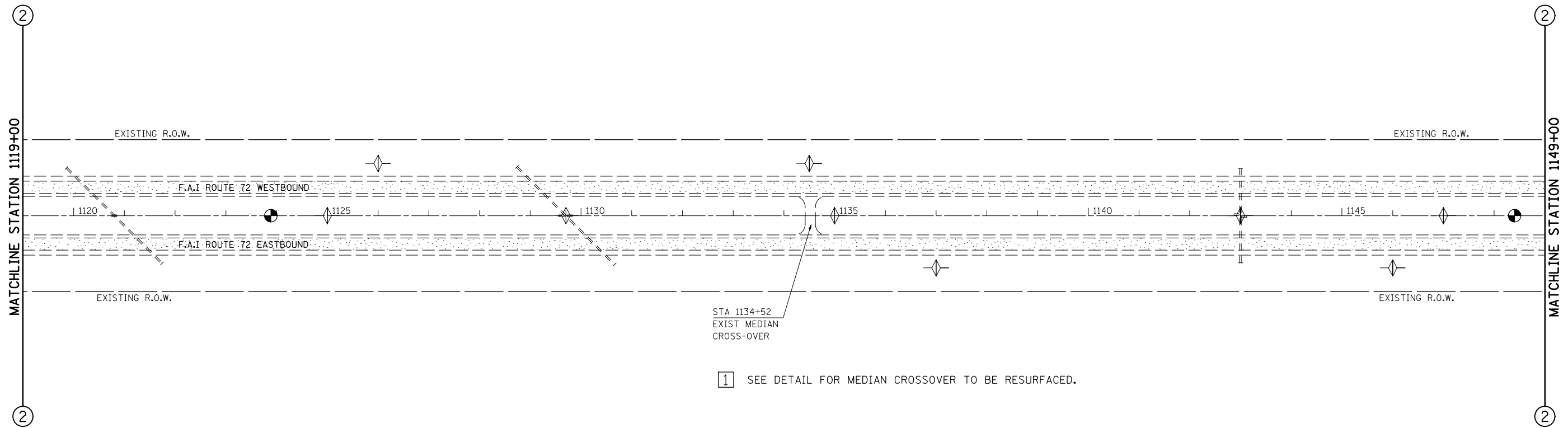
REVISIONS	
NAME	DATE

PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

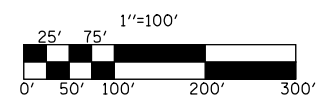
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	118
STA. 1119+00		TO STA. 1149+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (58,74-66)&(74-67&68)RS-1



1 SEE DETAIL FOR MEDIAN CROSSOVER TO BE RESURFACED.



 HMA SURFACE REMOVAL, 2 1/4"

PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

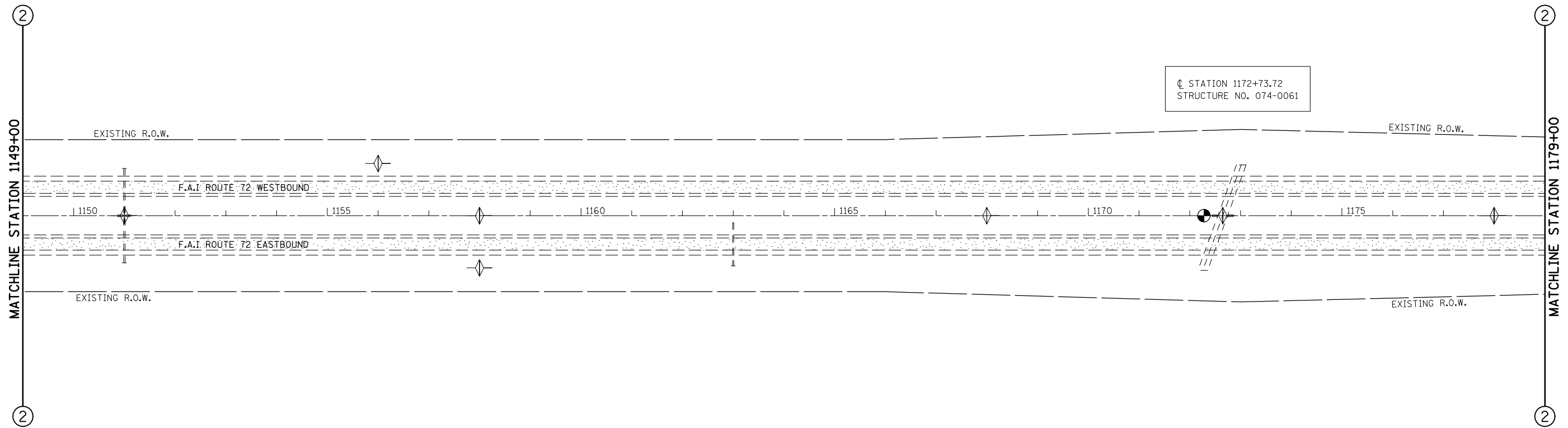
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

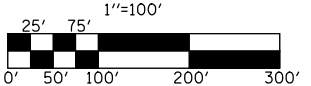
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 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesjj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	119
STA. 1149+00		TO STA. 1179+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (58,74-66)&(74-67&68)RS-1



⊥ STATION 1172+73.72
STRUCTURE NO. 074-0061



 HMA SURFACE REMOVAL, 2 1/4"

PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

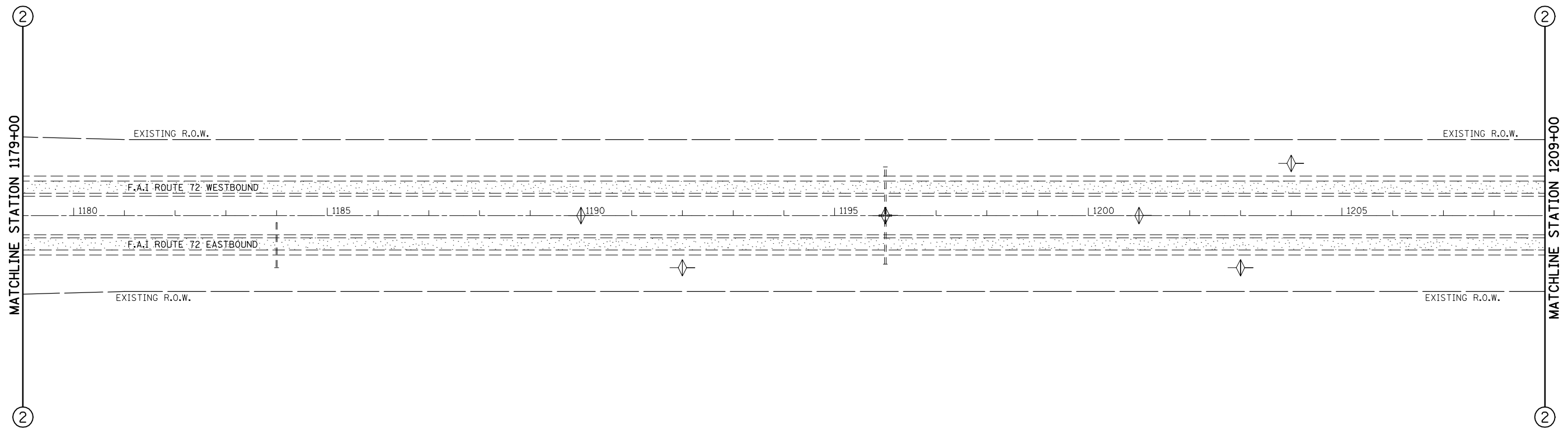
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.I. ROUTE 72
SECTION: (58,74-66)&(74-67&68)RS-1
PIATT COUNTY
SCALE: 1" = 100'
DATE: 10/18/05
DRAWN BY: CADD
CHECKED BY:

PLOT DATE = 2/8/2010
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PLOT SCALE = 211.7647 / IN.
USER NAME = bucklesjj

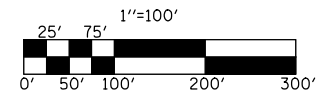
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	120
STA. 1179+00		TO STA. 1209+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (58,74-66)&(74-67&68)RS-1



PLOT DATE = 2/8/2010
 FILE NAME = G:\pwork\PMIDOT\BUCKLESJJ\d0109678\100pland.dgn
 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesjj

 HMA SURFACE REMOVAL, 2 1/4"



PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

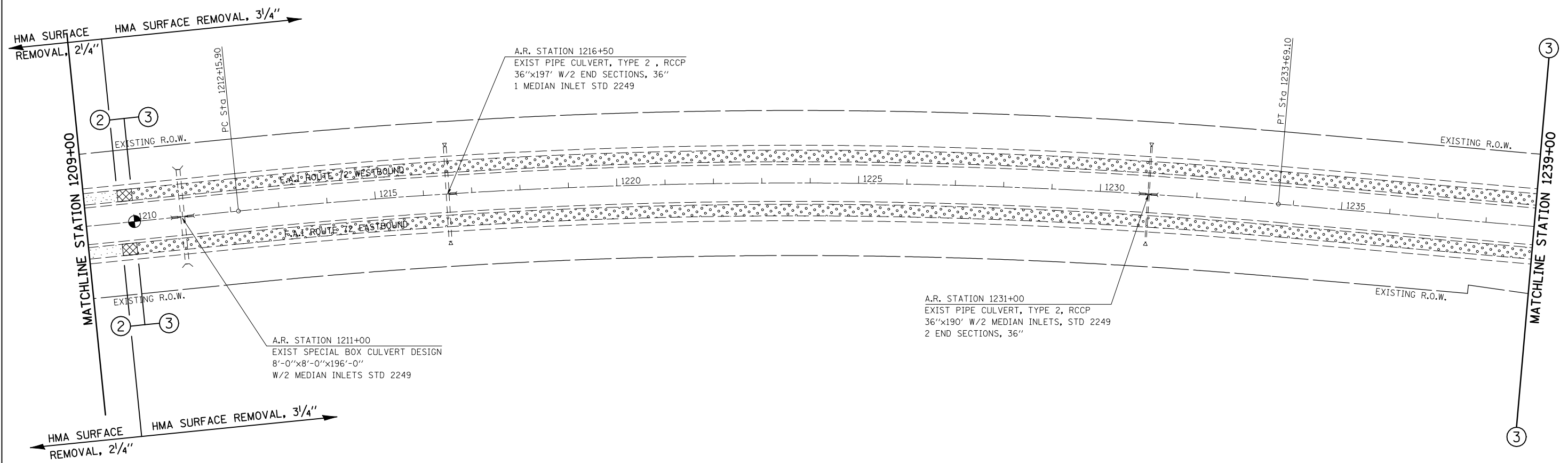
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	121
STA. 1209+00		TO STA. 1239+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

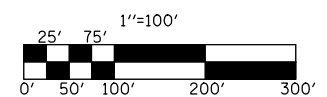
*(58,74-66)&(74-67&68)RS-1

EXIST. CURVE 16 (FAI 72)
 PI STA. = 1222+95.68
 $\Delta = 10^\circ 45' 58''$ (RT)
 $D = 0^\circ 30' 00''$
 $R = 11,459.05'$
 $T = 1,079.78'$
 $L = 2,153.20'$
 $E = 50.76'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 1212+15.90$
 $P.T. STA. = 1233+69.10$



- HMA SURFACE REMOVAL, 3/4"
 THE SPECIFIED DEPTH IS INTENDED TO REMOVE THE FULL THICKNESS OF EXISTING HMA OVERLAY AND TEXTURE THE EXISTING CONCRETE PAVEMENT SURFACE
- AREA OF MILLING TRANSITION
 THE AREA OF MILLING TRANSITION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE HMA SURFACE REMOVAL, 3/4" NO ADDITIONAL COMPENSATION SHALL BE ALLOWED
- HMA SURFACE REMOVAL, 2 1/4"

SEE DETAILS FOR I-72 MAINLINE MILLING AND RESURFACING TRANSITIONS
 SHEET 2 OF 4



PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

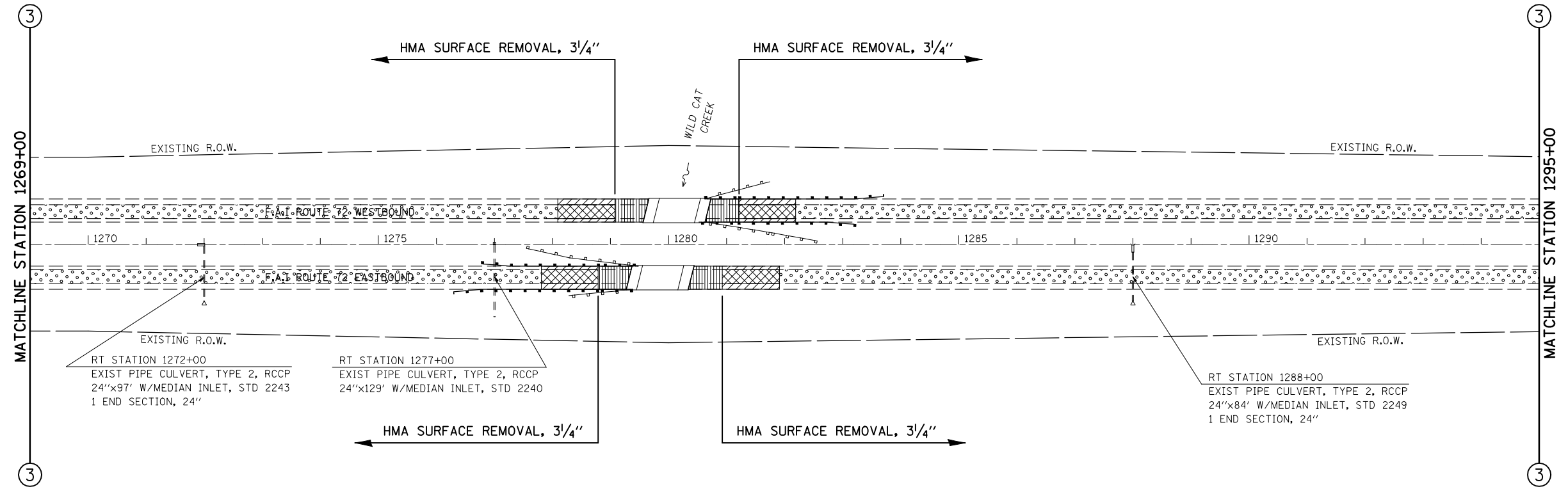
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 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesjj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	123
STA. 1269+00		TO STA. 1295+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (58,74-66)&(74-67&68)RS-1				

- 1 SEE STRUCTURE PLANS, S.N. 074-0063 & S.N. 074-0064
- 2 SEE DETAIL FOR PARAPET MODIFICATIONS.
- 3 SEE DETAIL FOR FLARE GUARDRAIL AT DUAL STRUCTURES.
- 4 SEE DETAIL FOR TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL).

MAINLINE PAVING OMISSION
 STA. 1279+32.96 TO STA. 1280+39.13 (EB)
 STA. 1279+60.80 TO STA. 1280+67.05 (WB)

☩ STATION 1280+00 (F.A.I. ROUTE 72)
 SKEW 14° LT FWD
 107'-2" (BACK TO BACK ABUTS)
 STRUCTURE NO. 074-0063 (EB)
 STRUCTURE NO. 074-0064 (WB)



63200310 GUARDRAIL REMOVAL

STATION	TO	STATION	LENGTH(FT)
1276+22.75		1279+29.95	EB RT 107.20
1277+62.25		1279+32.95	EB LT 170.70
1280+67.45		1282+37.75	WB RT 170.30
1280+70.50		1281+77.25	WB LT 106.75

63100169 TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (FLARED)

STATION	TO	STATION	EACH
1276+29.80		1276+79.80	EB RT 1.0
1276+77.30		1277+27.30	EB LT 1.0
1282+73.10		1283+23.10	WB RT 1.0
1283+20.60		1283+70.60	WB LT 1.0

63000001 STEEL PLATE BEAM GUARDRAIL TYPE A 6 FOOT POSTS

STATION	TO	STATION	LENGTH(FT)
1276+79.80		1276+79.80	EB RT 200.00
1277+27.30		1278+89.80	EB LT 162.50
1281+10.60		1282+73.10	WB RT 162.50
1281+20.60		1283+20.60	WB LT 200.00

- HMA SURFACE REMOVAL, 1/2"
- HMA SURFACE REMOVAL, 3/4"
- HOT MIX ASPHALT SURFACE REMOVAL BUTT-JOINT
- AREA OF MILLING TRANSITION

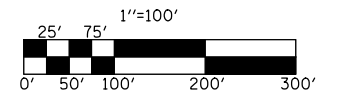
78201000 TERMINAL MARKER - DIRECT APPLIED

STATION	EACH
1276+29.80	EB RT 1.0
1276+77.30	EB LT 1.0
1283+23.10	WB RT 1.0
1283+70.60	WB LT 1.0

63100089 TRAFFIC BARRIER TERMINAL TYPE 6B

STATION	TO	STATION	EACH
1276+79.80		1279+37.95	EB RT 1.0
1276+89.80		1279+47.95	EB LT 1.0
1280+52.45		1281+10.60	WB RT 1.0
1280+62.45		1281+20.60	WB LT 1.0

SEE MILLING AND BUTT-JOINT DETAILS



PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY

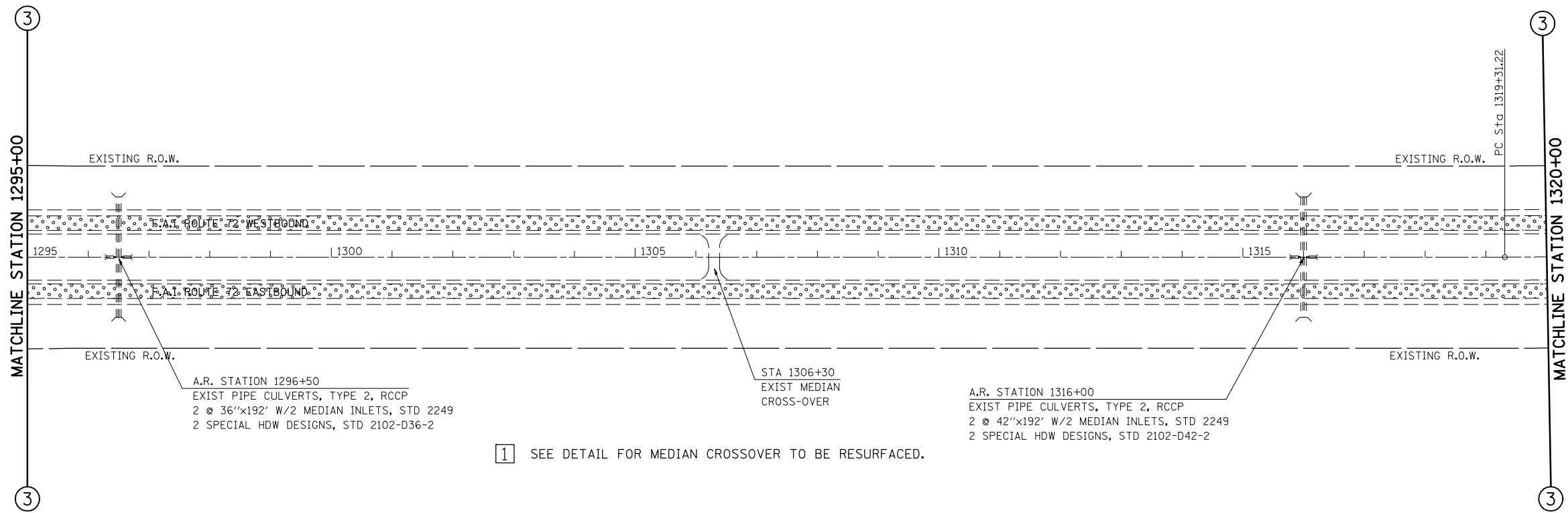
SCALE: 1" = 100'
 DATE: 10/18/05

DRAWN BY: CADD
 CHECKED BY:

PLOT DATE = 2/8/2010
 FILE NAME = g:\pwworkspace\PIATT\DOT\BUCKLESJJ\d0109678\100.plt.dgn
 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesjj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	124
STA. 1295+00		TO STA. 1320+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(58,74-66)&(74-67&68)RS-1



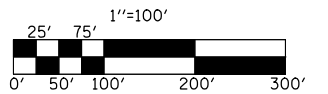
A.R. STATION 1296+50
 EXIST PIPE CULVERTS, TYPE 2, RCCP
 2 @ 36"x192' W/2 MEDIAN INLETS, STD 2249
 2 SPECIAL HDW DESIGNS, STD 2102-D36-2

STA 1306+30
 EXIST MEDIAN
 CROSS-OVER

A.R. STATION 1316+00
 EXIST PIPE CULVERTS, TYPE 2, RCCP
 2 @ 42"x192' W/2 MEDIAN INLETS, STD 2249
 2 SPECIAL HDW DESIGNS, STD 2102-D42-2

1 SEE DETAIL FOR MEDIAN CROSSOVER TO BE RESURFACED.

 HMA SURFACE REMOVAL, 3 1/4"



PLOT DATE = 2/8/2010
 FILE NAME = G:\pwork\PIA\DOT\BUCKLESJJ\d0109678\100pland.dgn
 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesjj

PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

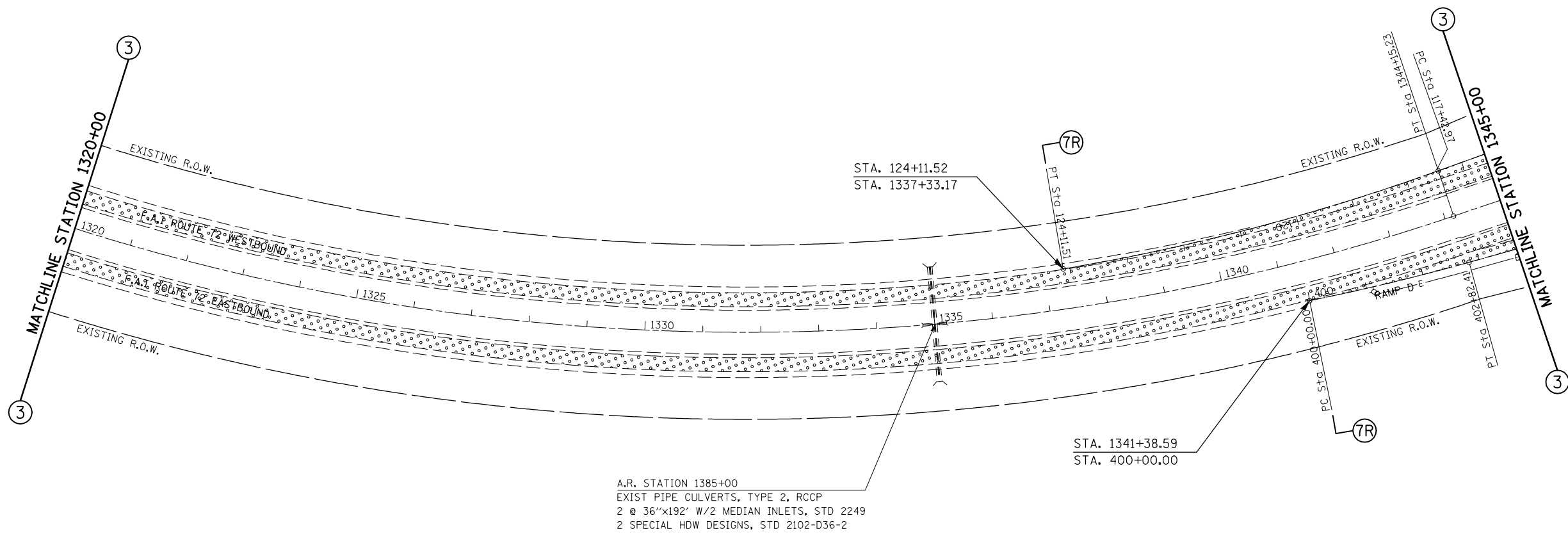
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	125
STA. 1320+00		TO STA. 1345+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

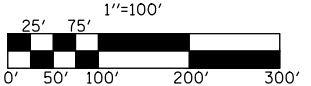
*(58,74-66)&(74-67&68)RS-1

EXIST. CURVE 17 (FAI 72)
 PI STA. = 1332+18.93
 $\Delta = 37^\circ 15' 37''$ (LT)
 D = $1^\circ 30' 00''$
 R = 3,819.71'
 T = 1,287.71'
 L = 2,484.01'
 E = 211.22'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 1319+31.22
 P.T. STA. = 1344+15.23



PLOT DATE = 2/8/2010
 FILE NAME = g:\p\w\w\p\WIDOT\BUCKLESJJ\0109678\100pl.am.dgn
 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesjj

HMA SURFACE REMOVAL, 3 1/4"



PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

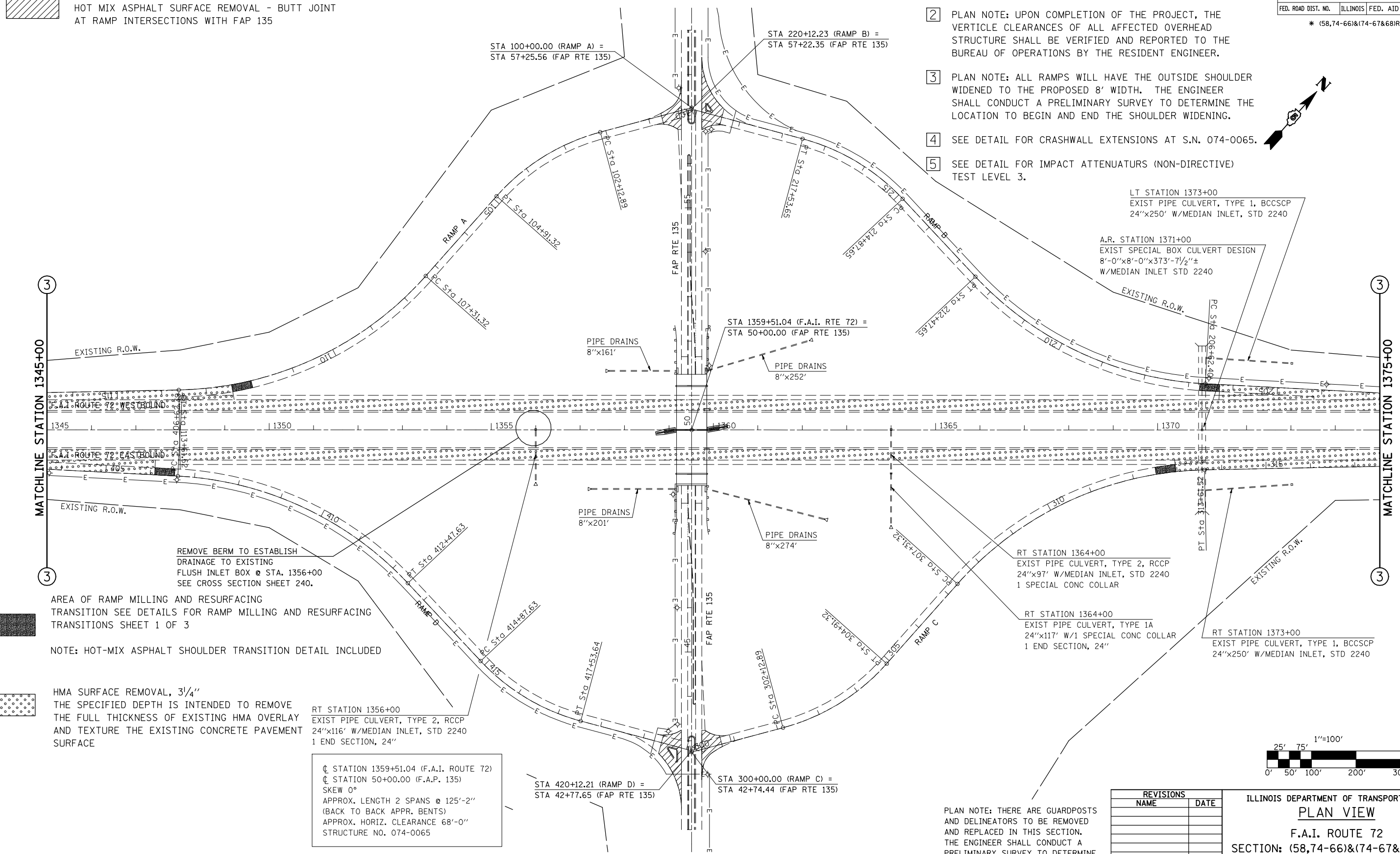
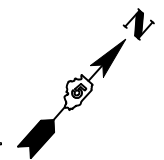
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	126
STA. 1345+00		TO STA. 1375+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (58,74-66)&(74-67&68)RS-1				

- 1 SEE STRUCTURE PLANS, S.N. 074-0065.
- 2 PLAN NOTE: UPON COMPLETION OF THE PROJECT, THE VERTICLE CLEARANCES OF ALL AFFECTED OVERHEAD STRUCTURE SHALL BE VERIFIED AND REPORTED TO THE BUREAU OF OPERATIONS BY THE RESIDENT ENGINEER.
- 3 PLAN NOTE: ALL RAMPS WILL HAVE THE OUTSIDE SHOULDER WIDENED TO THE PROPOSED 8' WIDTH. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE THE LOCATION TO BEGIN AND END THE SHOULDER WIDENING.
- 4 SEE DETAIL FOR CRASHWALL EXTENSIONS AT S.N. 074-0065.
- 5 SEE DETAIL FOR IMPACT ATTENUATORS (NON-DIRECTIVE) TEST LEVEL 3.

HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT AT RAMP INTERSECTIONS WITH FAP 135



EXISTING R.O.W.

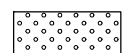
EXISTING R.O.W.

EXISTING R.O.W.

REMOVE BERM TO ESTABLISH DRAINAGE TO EXISTING FLUSH INLET BOX @ STA. 1356+00 SEE CROSS SECTION SHEET 240.

AREA OF RAMP MILLING AND RESURFACING TRANSITION SEE DETAILS FOR RAMP MILLING AND RESURFACING TRANSITIONS SHEET 1 OF 3

NOTE: HOT-MIX ASPHALT SHOULDER TRANSITION DETAIL INCLUDED



HMA SURFACE REMOVAL, 3/4" THE SPECIFIED DEPTH IS INTENDED TO REMOVE THE FULL THICKNESS OF EXISTING HMA OVERLAY AND TEXTURE THE EXISTING CONCRETE PAVEMENT SURFACE

RT STATION 1356+00
EXIST PIPE CULVERT, TYPE 2, RCCP
24"x116' W/MEDIAN INLET, STD 2240
1 END SECTION, 24"

CL STATION 1359+51.04 (F.A.I. ROUTE 72)
CL STATION 50+00.00 (F.A.P. 135)
SKEW 0°
APPROX. LENGTH 2 SPANS @ 125'-2"
(BACK TO BACK APPR. BENTS)
APPROX. HORIZ. CLEARANCE 68'-0"
STRUCTURE NO. 074-0065

STA 420+12.21 (RAMP D) =
STA 42+77.65 (FAP RTE 135)

STA 300+00.00 (RAMP C) =
STA 42+74.44 (FAP RTE 135)

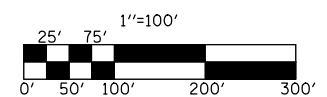
RT STATION 1364+00
EXIST PIPE CULVERT, TYPE 2, RCCP
24"x97' W/MEDIAN INLET, STD 2240
1 SPECIAL CONC COLLAR

RT STATION 1364+00
EXIST PIPE CULVERT, TYPE 1A
24"x117' W/1 SPECIAL CONC COLLAR
1 END SECTION, 24"

RT STATION 1373+00
EXIST PIPE CULVERT, TYPE 1, BCCSCP
24"x250' W/MEDIAN INLET, STD 2240

LT STATION 1373+00
EXIST PIPE CULVERT, TYPE 1, BCCSCP
24"x250' W/MEDIAN INLET, STD 2240

A.R. STATION 1371+00
EXIST SPECIAL BOX CULVERT DESIGN
8'-0"x8'-0"x373'-7 1/2"±
W/MEDIAN INLET STD 2240



REVISIONS	
NAME	DATE

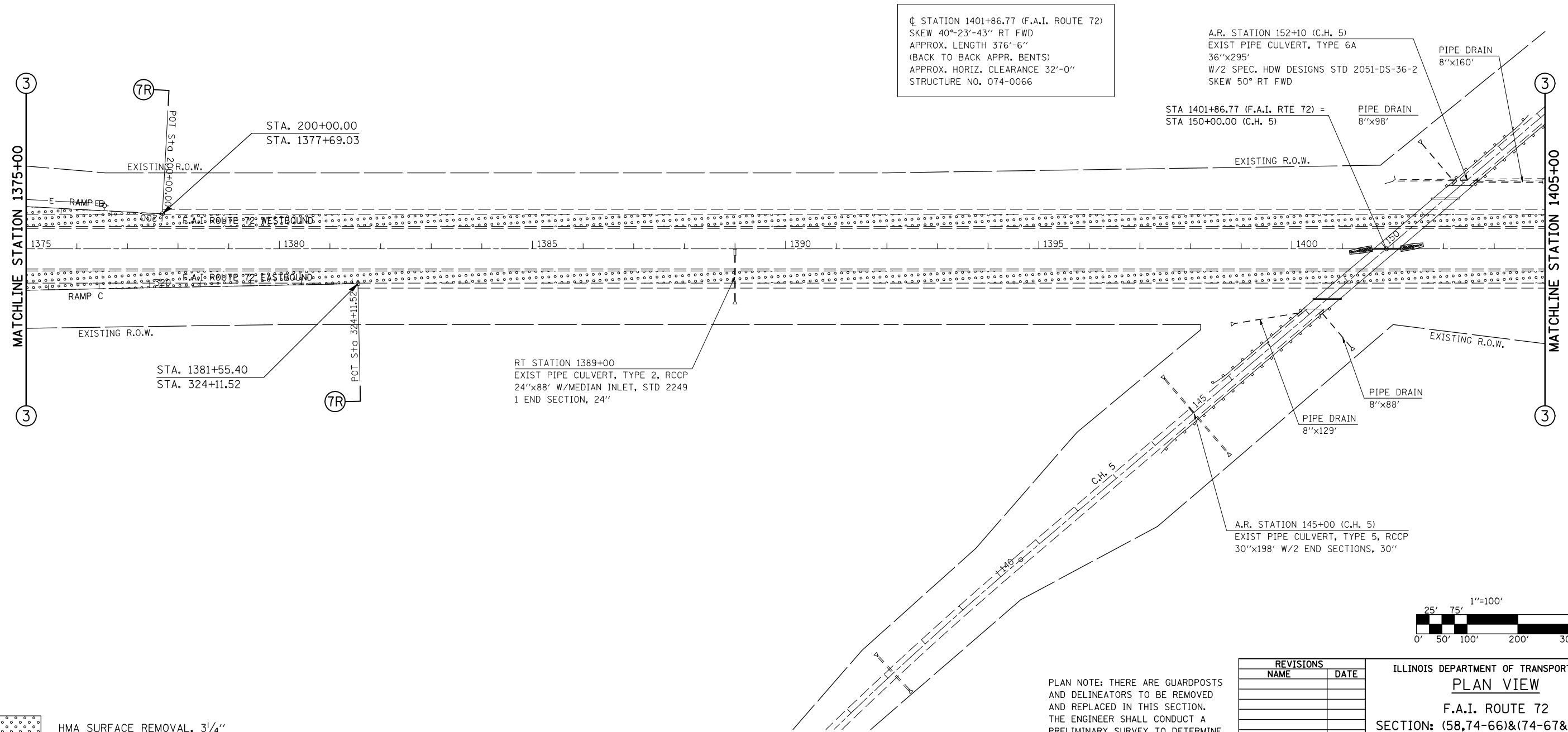
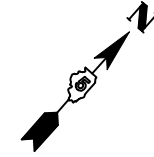
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.I. ROUTE 72
SECTION: (58,74-66)&(74-67&68)RS-1
PIATT COUNTY
SCALE: 1" = 100'
DATE: 10/18/05
DRAWN BY: CADD
CHECKED BY:

PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

PLOT DATE = 2/8/2010
 FILE NAME = g:\pwork\pwork\bucklesj\0109678\100plm.dgn
 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	127
STA. 1375+00		TO STA. 1405+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (58,74-66)&(74-67&68)RS-1				

- 1 SEE STRUCTURE PLANS, S.N. 074-0066.
- 2 PLAN NOTE: UPON COMPLETION OF THE PROJECT, THE VERTICLE CLEARANCES OF ALL AFFECTED OVERHEAD STRUCTURE SHALL BE VERIFIED AND REPORTED TO THE BUREAU OF OPERATIONS BY THE RESIDENT ENGINEER.
- 3 SEE DETAIL FOR CRASHWALL EXTENSIONS AT S.N. 074-0066.
- 4 SEE DETAIL FOR IMPACT ATTENUATORS (NON-DIRECTIVE) TEST LEVEL 3.



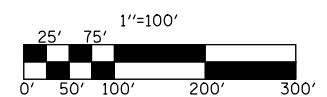
☐ STATION 1401+86.77 (F.A.I. ROUTE 72)
 SKEW 40°-23'-43" RT FWD
 APPROX. LENGTH 376'-6"
 (BACK TO BACK APPR. BENTS)
 APPROX. HORIZ. CLEARANCE 32'-0"
 STRUCTURE NO. 074-0066

A.R. STATION 152+10 (C.H. 5)
 EXIST PIPE CULVERT, TYPE 6A
 36'x295'
 W/2 SPEC. HDW DESIGNS STD 2051-DS-36-2
 SKEW 50° RT FWD

STA 1401+86.77 (F.A.I. RTE 72) =
 STA 150+00.00 (C.H. 5)

RT STATION 1389+00
 EXIST PIPE CULVERT, TYPE 2, RCCP
 24'x88' W/MEDIAN INLET, STD 2249
 1 END SECTION, 24'

A.R. STATION 145+00 (C.H. 5)
 EXIST PIPE CULVERT, TYPE 5, RCCP
 30'x198' W/2 END SECTIONS, 30'



HMA SURFACE REMOVAL, 3 1/4"

PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

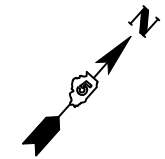
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY

SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

PLOT DATE = 2/8/2010
 FILE NAME = G:\pwork\PIATT\BUCKLESJJ\0109678\100pland.dgn
 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesjj

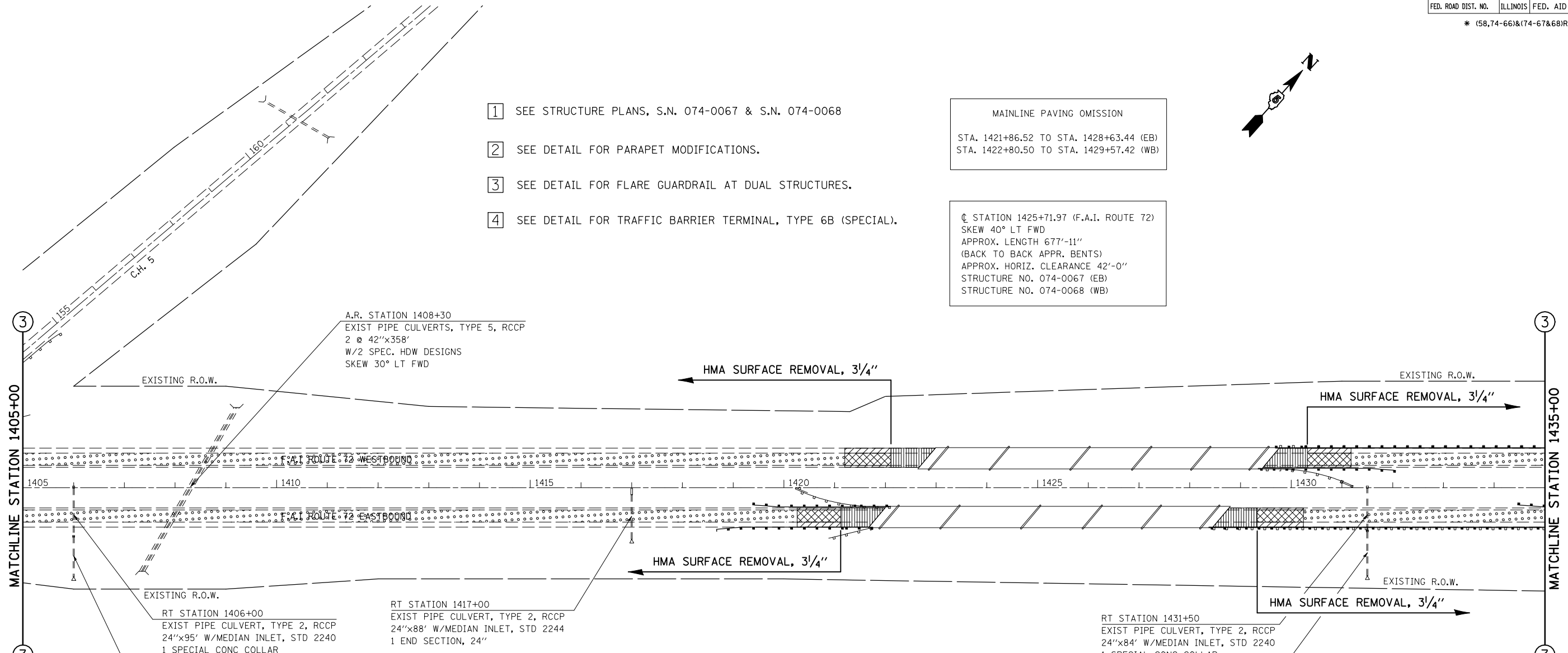
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	128
STA. 1405+00		TO STA. 1435+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (58,74-66)&(74-67&68)RS-1				



- 1 SEE STRUCTURE PLANS, S.N. 074-0067 & S.N. 074-0068
- 2 SEE DETAIL FOR PARAPET MODIFICATIONS.
- 3 SEE DETAIL FOR FLARE GUARDRAIL AT DUAL STRUCTURES.
- 4 SEE DETAIL FOR TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL).

MAINLINE PAVING OMISSION
 STA. 1421+86.52 TO STA. 1428+63.44 (EB)
 STA. 1422+80.50 TO STA. 1429+57.42 (WB)

STATION 1425+71.97 (F.A.I. ROUTE 72)
 SKEW 40° LT FWD
 APPROX. LENGTH 677'-11"
 (BACK TO BACK APPR. BENTS)
 APPROX. HORIZ. CLEARANCE 42'-0"
 STRUCTURE NO. 074-0067 (EB)
 STRUCTURE NO. 074-0068 (WB)



63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

STATION	TO	STATION	LENGTH (FT)
1419+88.25		1421+50.75	EB LT 162.50
1429+93.20		1431+55.70	WB RT 162.50

63000003 STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS

STATION	TO	STATION	LENGTH (FT)
1419+17.20		1421+17.20	EB RT 200.00
1428+95.85		1436+13.50	EB RT 717.65
1430+26.75		1437+88.85	WB LT 760.10

63200310 GUARDRAIL REMOVAL

STATION	TO	STATION	LENGTH (FT)
1420+60.80		1421+67.25	EB RT 106.45
1420+23.30		1421+93.90	EB LT 170.60
1428+52.70		1436+63.50	EB RT 810.80
1429+50.05		1431+20.60	WB RT 170.55
1429+76.80		1438+30.00	WB LT 853.20

63100169 TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (FLARED)

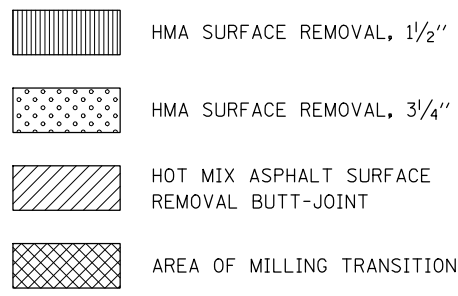
STATION	TO	STATION	EACH
1418+67.20		1419+17.20	EB RT 1.0
1419+38.25		1419+88.25	EB LT 1.0
1431+55.70		1432+05.70	WB RT 1.0

78201000 TERMINAL MARKER - DIRECT APPLIED

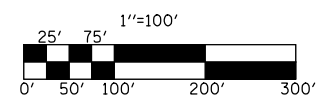
STATION	EACH
1418+67.20	EB RT 1.0
1419+38.25	EB LT 1.0
1432+05.70	WB RT 1.0

63100089 TRAFFIC BARRIER TERMINAL TYPE 6B

STATION	TO	STATION	EACH
1421+17.20		1421+75.35	EB RT 1.0
1421+50.75		1422+08.90	EB LT 1.0
1428+37.70		1428+95.85	EB RT 1.0
1429+35.05		1429+93.20	WB RT 1.0
1429+68.80		1430+26.75	WB LT 1.0



SEE MILLING AND BUTT-JOINT DETAILS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

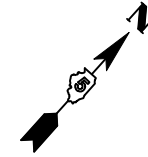
PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

PLOT DATE = 2/8/2010
 FILE NAME = g:\p\w\w\k\p\midot\BUCKLESJJ\d0109678\100pl.amcdgn
 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesjj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	129
STA. 1435+00		TO STA. 1460+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(58,74-66)&(74-67&68)RS-1

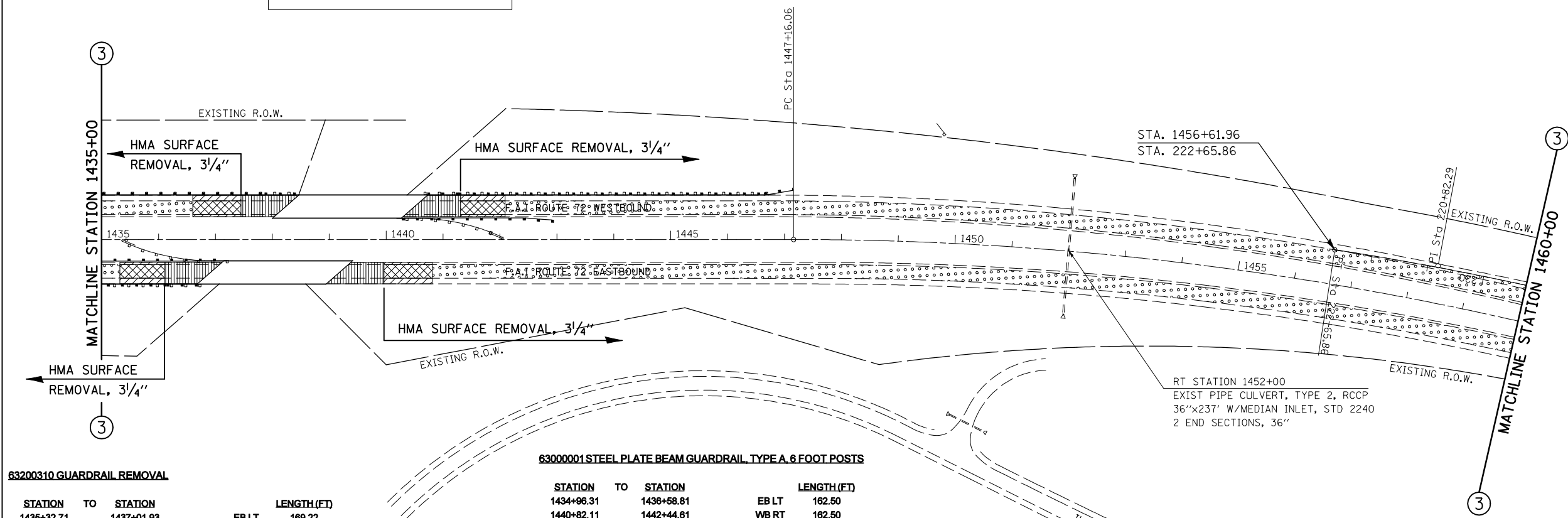
EXIST. CURVE 18 (FAI 72)
 PI STA. = 1454+01.55
 $\Delta = 13^\circ 38' 42''$ (RT)
 $D = 1^\circ 00' 00''$
 $R = 5,729.55'$
 $T = 685.49'$
 $L = 1,364.49'$
 $E = 40.86'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 1447+16.06$
 $P.T. STA. = 1460+80.56$



MAINLINE PAVING OMISSION
 STA. 1436+95.20 TO STA. 1439+18.28 (EB)
 STA. 1438+22.94 TO STA. 1440+46.02 (WB)

CL STATION 1438+70.61 (F.A.I. ROUTE 72)
 SKEW $48^\circ 45' 19.5''$ LT FWD
 APPROX. LENGTH 226'-6"
 (BACK TO BACK ABUTS)
 APPROX. HORIZ. CLEARANCE 42'-0"
 STRUCTURE NO. 074-0069 (EB)
 STRUCTURE NO. 074-0070 (WB)

- 1 SEE DETAIL FOR PARAPET MODIFICATIONS.
- 2 SEE DETAIL FOR FLARE GUARDRAIL AT DUAL STRUCTURES.
- 3 SEE DETAIL FOR TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL).



63200310 GUARDRAIL REMOVAL

STATION	TO	STATION	LENGTH (FT)
1435+32.71		1437+01.93	EB LT 169.22
1440+38.99		1442+08.51	WB RT 169.52
1440+84.61		1447+09.05	WB LT 624.44

63000001 STEEL PLATE BEAM GUARDRAIL TYPE A 6 FOOT POSTS

STATION	TO	STATION	LENGTH (FT)
1434+96.31		1436+58.81	EB LT 162.50
1440+82.11		1442+44.81	WB RT 162.50

63100169 TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (FLARED)

STATION	TO	STATION	EACH
1434+46.31		1434+96.31	EB LT 1.0
1442+44.61		1442+94.61	WB RT 1.0
1446+65.23		1447+15.23	WB LT 1.0

63000003 STEEL PLATE BEAM GUARDRAIL TYPE A 9 FOOT POSTS

STATION	TO	STATION	LENGTH (FT)
1441+27.73		1446+65.23	WB LT 537.50

78201000 TERMINAL MARKER - DIRECT APPLIED

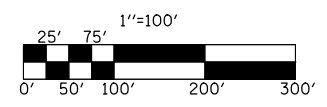
STATION	EACH
1434+46.31	EB LT 1.0
1436+58.81	WB RT 1.0
1447+15.23	WB LT 1.0

63100217 TRAFFIC BARRIER TERMINAL TYPE 6B (SPECIAL)

STATION	TO	STATION	EACH
1436+13.49		1436+68.51	EB RT 1.0
1436+58.81		1437+13.83	EB LT 1.0
1437+86.85		1438+41.87	WB LT 1.0
1440+27.09		1440+82.11	WB RT 1.0
1440+72.71		1441+27.73	WB LT 1.0

- HMA SURFACE REMOVAL, 1/2"
- HMA SURFACE REMOVAL, 3/4"
- HOT MIX ASPHALT SURFACE REMOVAL BUTT-JOINT
- AREA OF MILLING TRANSITION

SEE MILLING AND BUTT-JOINT DETAILS



PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

REVISIONS	
NAME	DATE

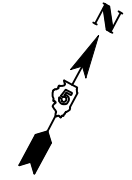
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

PLOT DATE = 2/8/2010
 FILE NAME = G:\p\w\w\h\p\midot\BUCKLESJJ\0109678\100pl.amc.dgn
 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesjj

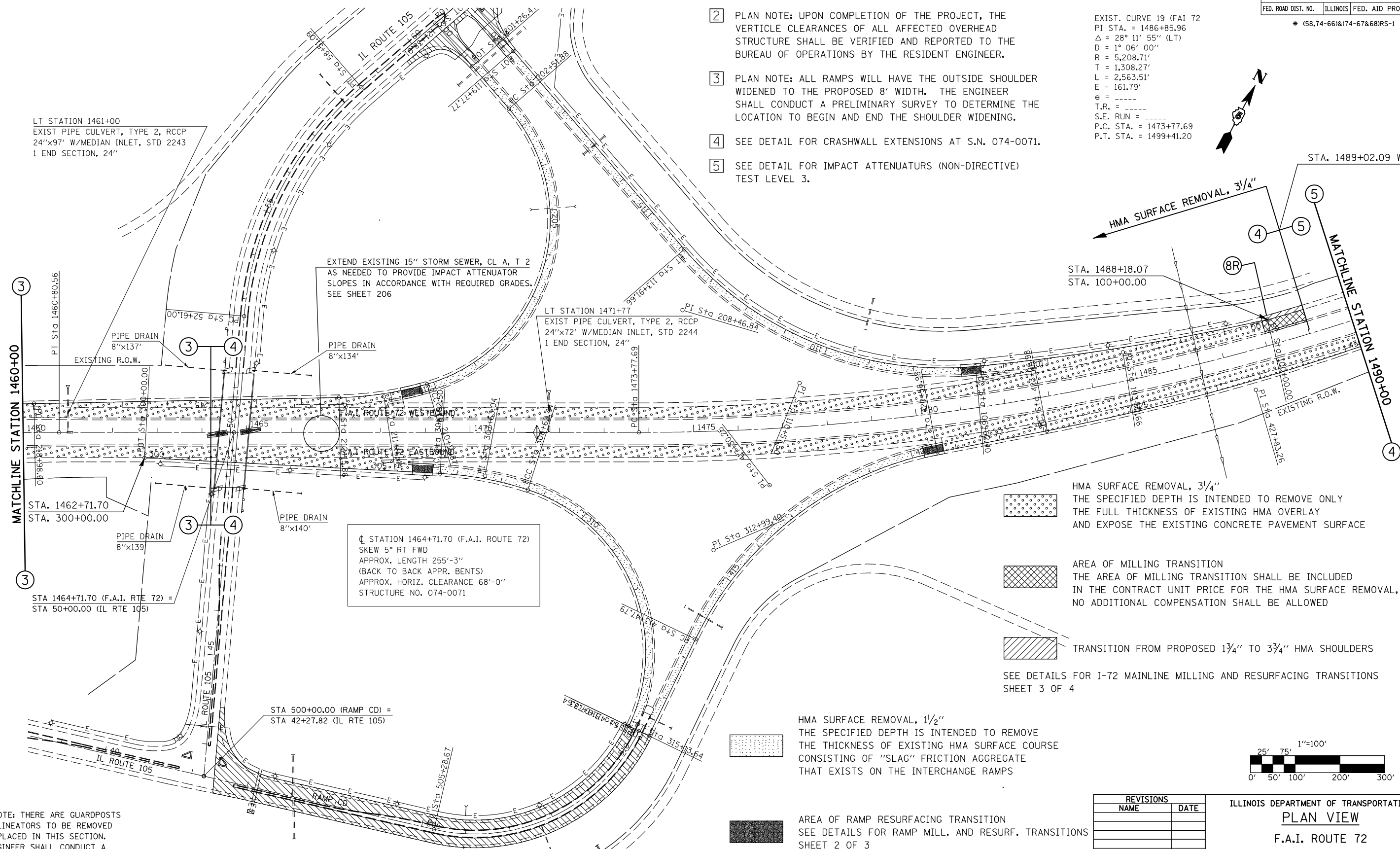
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	130
STA. 1460+00		TO STA. 1490+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (58,74-66)&(74-67&68)RS-1

EXIST. CURVE 19 (FAI 72)
 PI STA. = 1486+85.96
 $\Delta = 28^\circ 11' 55''$ (LT)
 $D = 1^\circ 06' 00''$
 $R = 5,208.71'$
 $T = 1,308.27'$
 $L = 2,563.51'$
 $E = 161.79'$
 $\theta = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 1473+77.69$
 $P.T. STA. = 1499+41.20$



- 1 SEE STRUCTURE PLANS, S.N. 074-0071
- 2 PLAN NOTE: UPON COMPLETION OF THE PROJECT, THE VERTICLE CLEARANCES OF ALL AFFECTED OVERHEAD STRUCTURE SHALL BE VERIFIED AND REPORTED TO THE BUREAU OF OPERATIONS BY THE RESIDENT ENGINEER.
- 3 PLAN NOTE: ALL RAMP WILL HAVE THE OUTSIDE SHOULDER WIDENED TO THE PROPOSED 8' WIDTH. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE THE LOCATION TO BEGIN AND END THE SHOULDER WIDENING.
- 4 SEE DETAIL FOR CRASHWALL EXTENSIONS AT S.N. 074-0071.
- 5 SEE DETAIL FOR IMPACT ATTENUATORS (NON-DIRECTIVE) TEST LEVEL 3.



LT STATION 1461+00
 EXIST PIPE CULVERT, TYPE 2, RCCP
 24"x97' W/MEDIAN INLET, STD 2243
 1 END SECTION, 24"

EXTEND EXISTING 15" STORM SEWER, CL A, T 2
 AS NEEDED TO PROVIDE IMPACT ATTENUATOR
 SLOPES IN ACCORDANCE WITH REQUIRED GRADES.
 SEE SHEET 206

LT STATION 1471+77
 EXIST PIPE CULVERT, TYPE 2, RCCP
 24"x72' W/MEDIAN INLET, STD 2244
 1 END SECTION, 24"

STATION 1464+71.70 (F.A.I. ROUTE 72)
 SKEW 5° RT FWD
 APPROX. LENGTH 255'-3"
 (BACK TO BACK APPR. BENTS)
 APPROX. HORIZ. CLEARANCE 68'-0"
 STRUCTURE NO. 074-0071

HMA SURFACE REMOVAL, 3/4"
 THE SPECIFIED DEPTH IS INTENDED TO REMOVE ONLY
 THE FULL THICKNESS OF EXISTING HMA OVERLAY
 AND EXPOSE THE EXISTING CONCRETE PAVEMENT SURFACE

AREA OF MILLING TRANSITION
 THE AREA OF MILLING TRANSITION SHALL BE INCLUDED
 IN THE CONTRACT UNIT PRICE FOR THE HMA SURFACE REMOVAL, 3/4"
 NO ADDITIONAL COMPENSATION SHALL BE ALLOWED

TRANSITION FROM PROPOSED 13/4" TO 33/4" HMA SHOULDERS

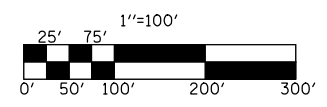
SEE DETAILS FOR I-72 MAINLINE MILLING AND RESURFACING TRANSITIONS
 SHEET 3 OF 4

HMA SURFACE REMOVAL, 1/2"
 THE SPECIFIED DEPTH IS INTENDED TO REMOVE
 THE THICKNESS OF EXISTING HMA SURFACE COURSE
 CONSISTING OF "SLAG" FRICTION AGGREGATE
 THAT EXISTS ON THE INTERCHANGE RAMP

AREA OF RAMP RESURFACING TRANSITION
 SEE DETAILS FOR RAMP MILL. AND RESURF. TRANSITIONS
 SHEET 2 OF 3

NOTE: HMA SHOULDER TRANSITION DETAIL INCLUDED

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT



PLAN NOTE: THERE ARE GUARDPOSTS
 AND DELINEATORS TO BE REMOVED
 AND REPLACED IN THIS SECTION.
 THE ENGINEER SHALL CONDUCT A
 PRELIMINARY SURVEY TO DETERMINE
 QUANTITY OF EACH ITEM PRIOR TO
 CONSTRUCTION.

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 USER NAME = cearlockjd

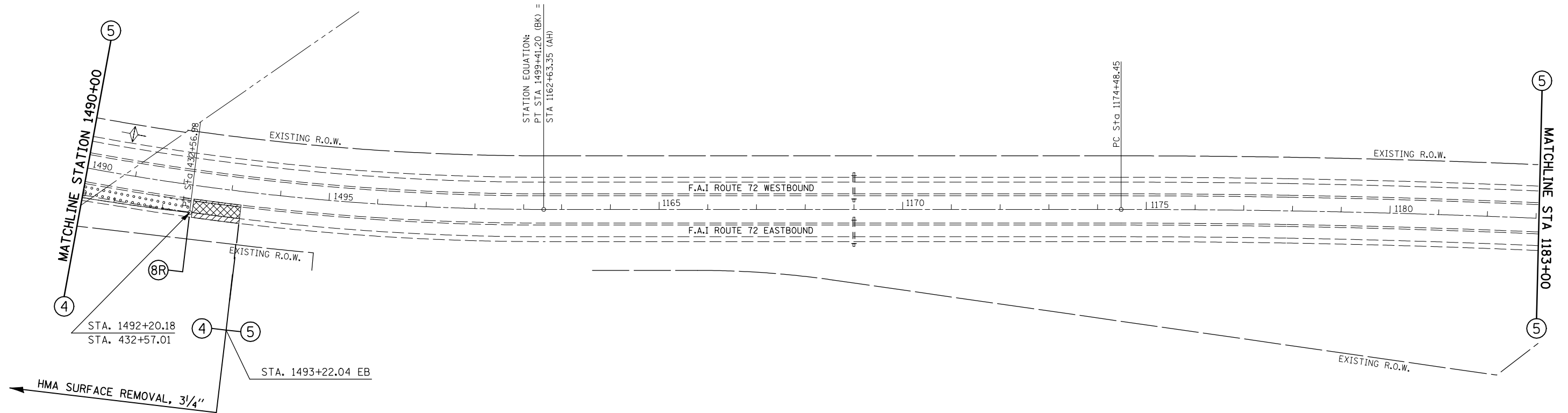
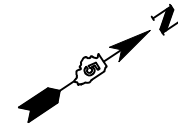
REVISIONS	
NAME	DATE

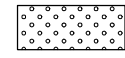
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	131
STA. 1490+00		TO STA. 1183+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

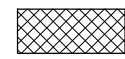
*(58,74-66)&(74-67&68)RS-1

EXIST. CURVE 20
 PI STA. = 1179+48.55
 $\Delta = 2^\circ 50' 00''$ (RT)
 $D = 0^\circ 17' 00''$
 $R = 20,221.96'$
 $T = 500.10'$
 $L = 1,000.00'$
 $E = 6.18'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 1174+48.45$
 $P.T. \text{ STA.} = 1184+48.45$

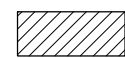


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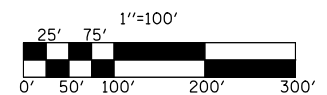
HMA SURFACE REMOVAL, 3/4"

THE SPECIFIED DEPTH IS INTENDED TO REMOVE THE FULL THICKNESS OF EXISTING HMA OVERLAY AND TEXTURE THE EXISTING CONCRETE PAVEMENT SURFACE
 - 

AREA OF MILLING TRANSITION

THE AREA OF MILLING TRANSITION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE HMA SURFACE REMOVAL, 3/4" NO ADDITIONAL COMPENSATION SHALL BE ALLOWED
 - 

TRANSITION FROM PROPOSED 1 3/4" TO 3 3/4" HMA SHOULDERS
- SEE DETAILS FOR I-72 MAINLINE MILLING AND RESURFACING TRANSITIONS SHEET 3 OF 4



PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

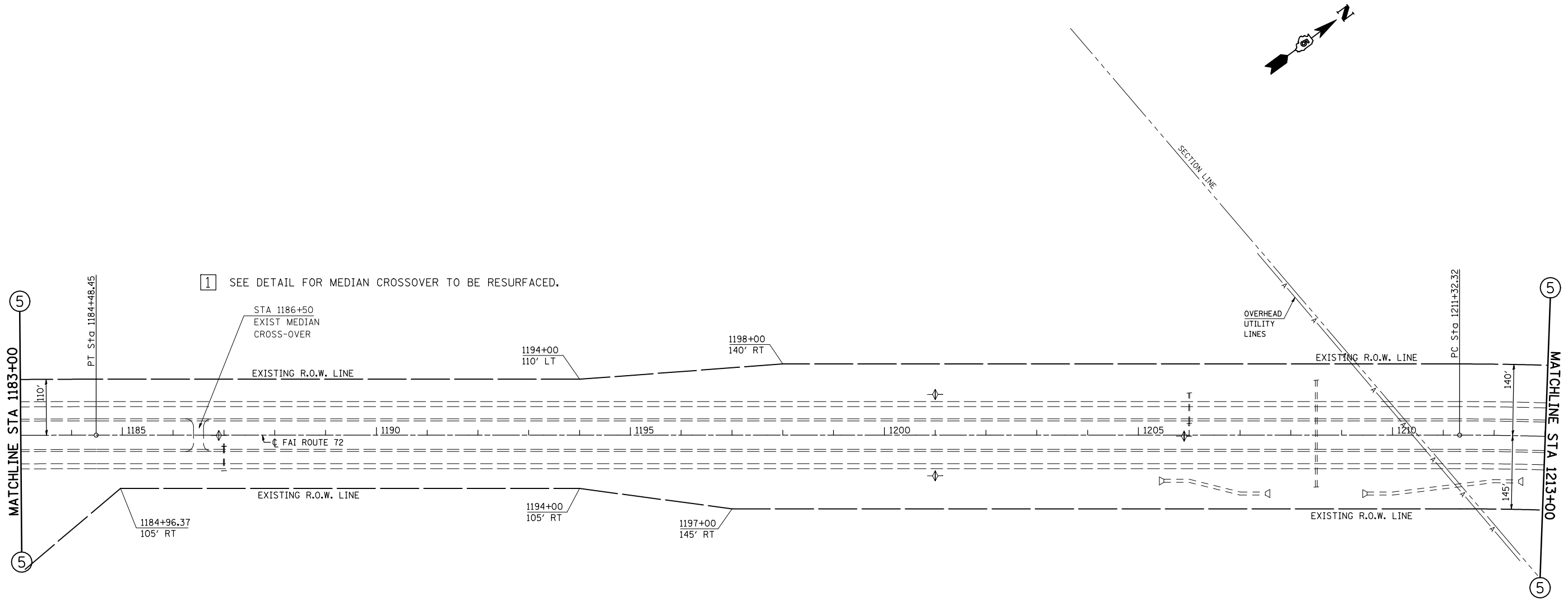
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY

SCALE: 1" = 100'
 DATE: 12/19/05

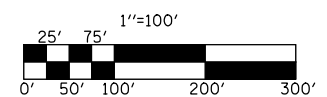
DRAWN BY: CADD
 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	132
STA. 1183+00		TO STA. 1213+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (58,74-66)&(74-67&68)RS-1				



1 SEE DETAIL FOR MEDIAN CROSSOVER TO BE RESURFACED.

PLOT DATE = 2/8/2010
 FILE NAME = G:\pwork\PI\DOT\BUCKLESJJ\d0109678\100pland.dgn
 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesjj



PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	133
STA. 1213+00		TO STA. 1243+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (58,74-66)&(74-67&68)RS-1				

63200310 GUARDRAIL REMOVAL

STATION	TO STATION	LENGTH(FT)
1222+74.15	1225+55.94	EB RT 281.79
1225+63.00	1228+44.82	WB LT 281.82

63100169 TRAFFIC BARRIER TERMINAL TYPE 1 (SP) TANGENT

STATION	TO STATION	EACH
1222+22.96	1222+72.96	EB RT 1.0
1228+45.89	1228+95.89	WB LT 1.0

63000001 STEEL PLATE BEAM GUARDRAIL TYPE A. 6 FOOT POSTS

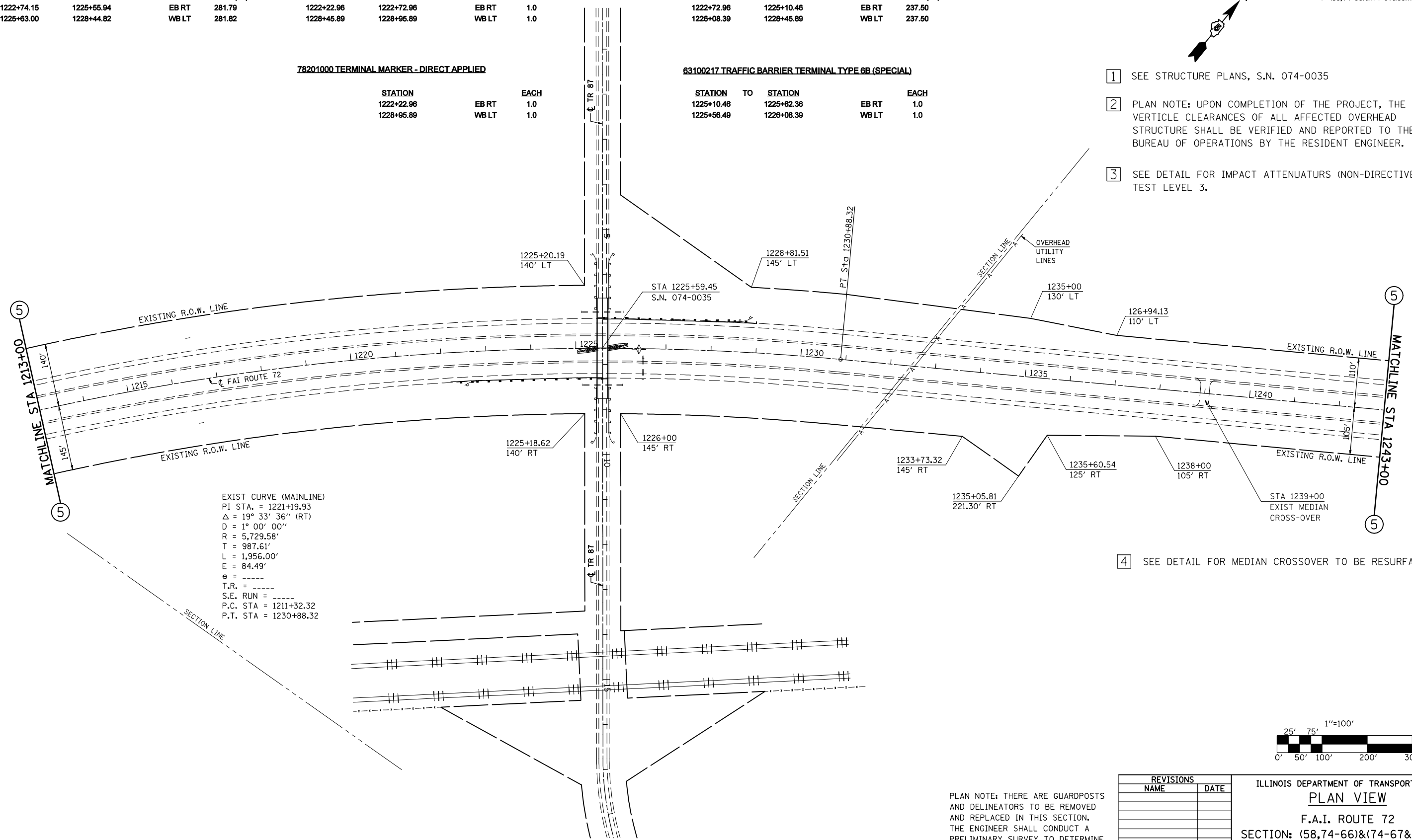
STATION	TO STATION	LENGTH(FT)
1222+72.96	1225+10.46	EB RT 237.50
1228+08.39	1228+45.89	WB LT 237.50

78201000 TERMINAL MARKER - DIRECT APPLIED

STATION	EACH
1222+22.96	EB RT 1.0
1228+95.89	WB LT 1.0

63100217 TRAFFIC BARRIER TERMINAL TYPE 6B (SPECIAL)

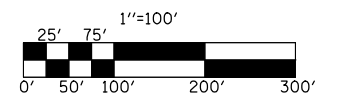
STATION	TO STATION	EACH
1225+10.46	1225+62.36	EB RT 1.0
1225+56.49	1228+08.39	WB LT 1.0



EXIST CURVE (MAINLINE)
 PI STA. = 1221+19.93
 $\Delta = 19^\circ 33' 36''$ (RT)
 $D = 1^\circ 00' 00''$
 $R = 5,729.58'$
 $T = 987.61'$
 $L = 1,956.00'$
 $E = 84.49'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA = 1211+32.32$
 $P.T. STA = 1230+88.32$

- 1 SEE STRUCTURE PLANS, S.N. 074-0035
- 2 PLAN NOTE: UPON COMPLETION OF THE PROJECT, THE VERTICLE CLEARANCES OF ALL AFFECTED OVERHEAD STRUCTURE SHALL BE VERIFIED AND REPORTED TO THE BUREAU OF OPERATIONS BY THE RESIDENT ENGINEER.
- 3 SEE DETAIL FOR IMPACT ATTENUATORS (NON-DIRECTIVE) TEST LEVEL 3.

4 SEE DETAIL FOR MEDIAN CROSSOVER TO BE RESURFACED.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY

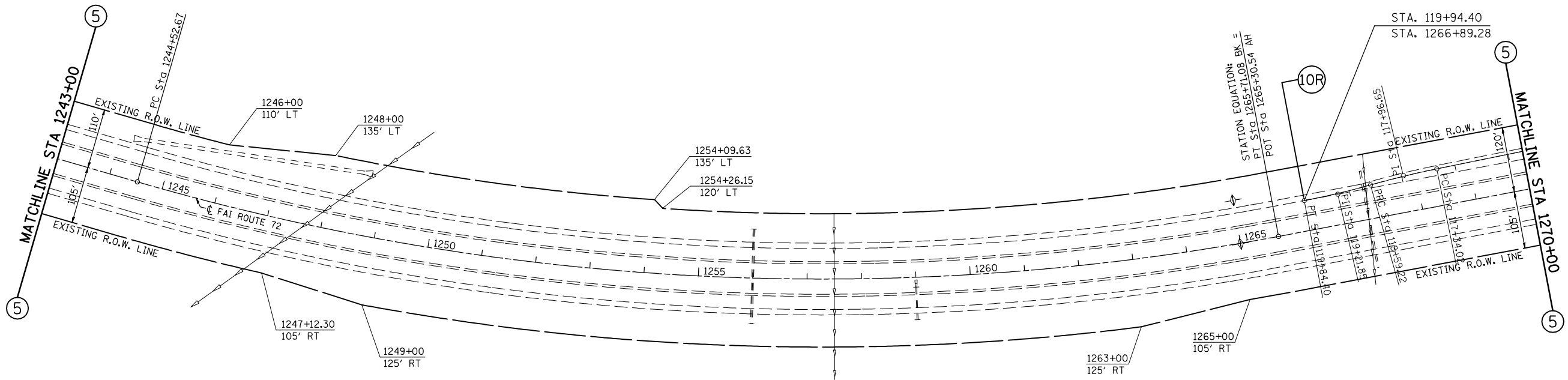
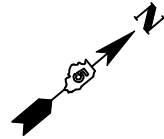
PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

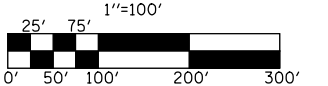
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	134
STA. 1243+00		TO STA. 1270+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (58,74-66)&(74-67&68)RS-1

EXIST CURVE (MAINLINE)
 PI STA. = 1255+31.67
 $\Delta = 26^{\circ} 50' 00''$ (LT)
 D = $1^{\circ} 16' 00''$
 R = 4,523.33'
 T = 1,079.00'
 L = 2,118.41'
 E = 126.91'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA = 1244+52.67
 P.T. STA = 1265+71.08



PLOT DATE = 2/8/2010
 FILE NAME = g:\p\w\w\p\WIDOT\BUCKLESJJ\d0109678\100pland.dgn
 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesjj



REVISIONS	
NAME	DATE

PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	135
STA. 1270+00		TO STA. 1297+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(58,74-66)&(74-67&68)RS-1

- 1 SEE STRUCTURE PLANS, S.N. 074-0026
- 2 PLAN NOTE: UPON COMPLETION OF THE PROJECT, THE VERTICLE CLEARANCES OF ALL AFFECTED OVERHEAD STRUCTURE SHALL BE VERIFIED AND REPORTED TO THE BUREAU OF OPERATIONS BY THE RESIDENT ENGINEER.
- 3 PLAN NOTE: ALL RAMP WILL HAVE THE OUTSIDE SHOULDER WIDENED TO THE PROPOSED 8' WIDTH. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE THE LOCATION TO BEGIN AND END THE SHOULDER WIDENING.
- 4 SEE DETAIL FOR IMPACT ATTENUATORS (NON-DIRECTIVE) TEST LEVEL 3.

63200310 GUARDRAIL REMOVAL

STATION	TO	STATION	LENGTH(FT)
1285+45.90		1286+71.00	EB RT 125.10
1286+14.51		1288+95.85	WB LT 281.34

63000001 STEEL PLATE BEAM GUARDRAIL TYPE A 6 FOOT POSTS

STATION	TO	STATION	LENGTH(FT)
1285+50.58		1286+25.58	EB RT 75.00
1286+59.66		1288+97.16	WB LT 237.50

63100169 TRAFFIC BARRIER TERMINAL TYPE 1(SP) TANGENT

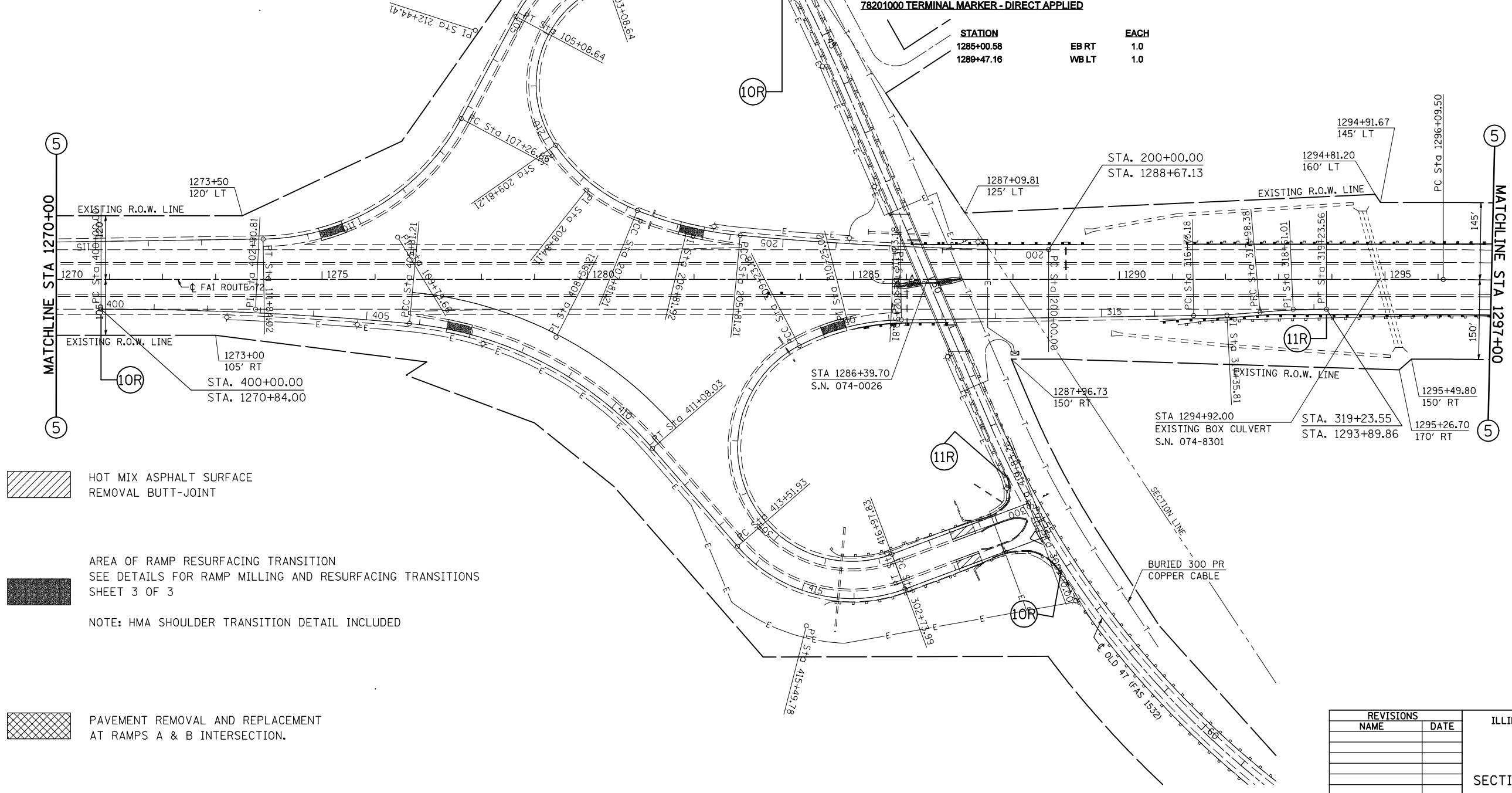
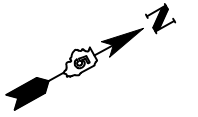
STATION	TO	STATION	EACH
1285+00.58		1285+50.58	EB RT 1.0
1286+97.16		1289+47.16	WB LT 1.0

63100089 TRAFFIC BARRIER TERMINAL TYPE 6B

STATION	TO	STATION	EACH
1286+25.58		1286+83.73	EB RT 1.0
1286+01.51		1286+59.66	WB LT 1.0

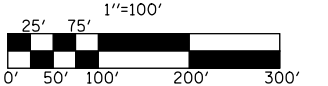
78201000 TERMINAL MARKER - DIRECT APPLIED

STATION	EACH
1285+00.58	EB RT 1.0
1289+47.16	WB LT 1.0



- HOT MIX ASPHALT SURFACE REMOVAL BUTT-JOINT
- AREA OF RAMP RESURFACING TRANSITION SEE DETAILS FOR RAMP MILLING AND RESURFACING TRANSITIONS SHEET 3 OF 3
- NOTE: HMA SHOULDER TRANSITION DETAIL INCLUDED
- PAVEMENT REMOVAL AND REPLACEMENT AT RAMP A & B INTERSECTION.

PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

PLOT DATE = 2/8/2010
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 PLOT SCALE = 211.7647 / / IN.
 USER NAME = bucklesjj

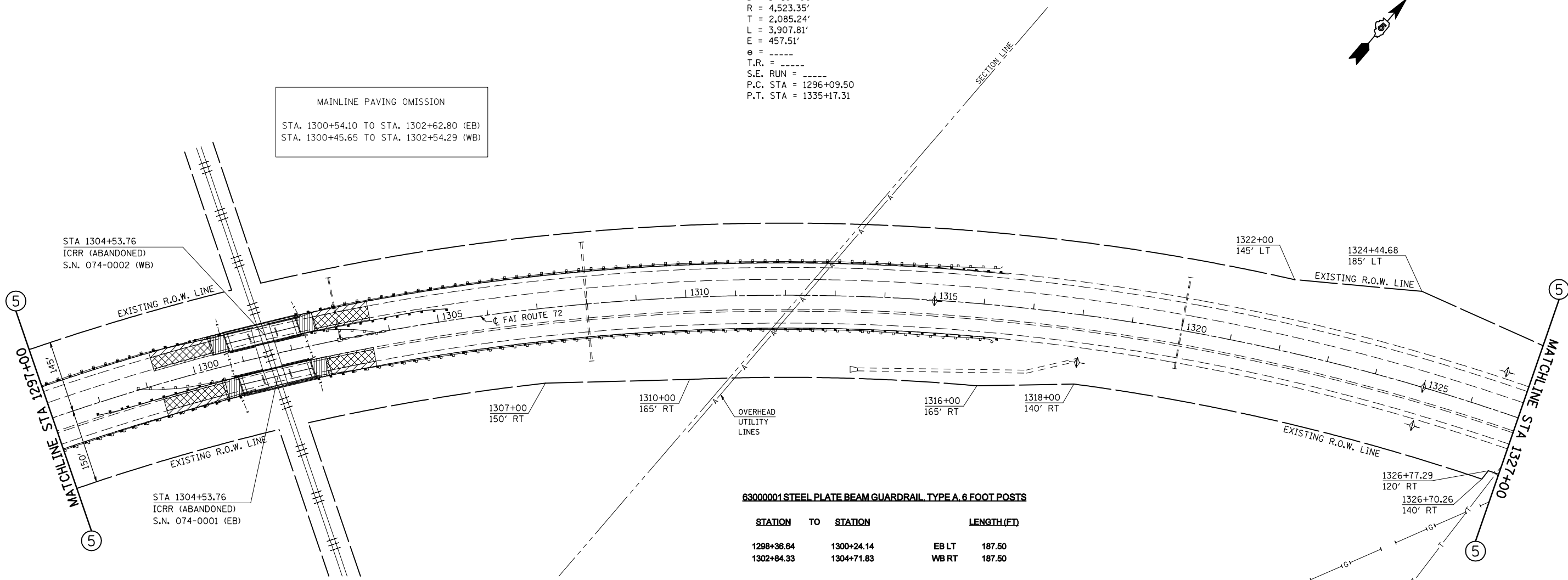
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	136
STA. 1297+00		TO STA. 1327+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(58,74-66)&(74-67&68)RS-1

- 1 SEE DETAIL FOR FLARE GUARDRAIL AT DUAL STRUCTURES.
- 2 SEE DETAIL FOR TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL).

EXIST CURVE (MAINLINE)
 PI STA. = 1316+94.74
 $\Delta = 49^\circ 29' 56''$ (RT)
 D = 1° 16' 00"
 R = 4,523.35'
 T = 2,085.24'
 L = 3,907.81'
 E = 457.51'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA = 1296+09.50
 P.T. STA = 1335+17.31

MAINLINE PAVING OMISSION
 STA. 1300+54.10 TO STA. 1302+62.80 (EB)
 STA. 1300+45.65 TO STA. 1302+54.29 (WB)



6300001 STEEL PLATE BEAM GUARDRAIL TYPE A, 6 FOOT POSTS

STATION	TO	STATION	LENGTH (FT)
1298+36.64		1300+24.14	EB LT 187.50
1302+84.33		1304+71.83	WB RT 187.50

6300003 STEEL PLATE BEAM GUARDRAIL TYPE A, 9 FOOT POSTS

STATION	TO	STATION	LENGTH (FT)
1291+27.95		1300+27.95	EB RT 900.00
1302+93.39		1316+18.39	EB RT 1325.00
1291+40.11		1300+15.11	WB LT 875.00
1302+80.52		1315+93.02	WB LT 1312.50

63100085 TRAFFIC BARRIER TERMINAL TYPE 6B (SPECIAL)

STATION	TO	STATION	EACH
1300+27.95		1300+82.97	EB RT 1.0
1300+24.14		1300+79.16	EB LT 1.0
1302+38.37		1302+93.39	EB RT 1.0
1300+15.11		1300+70.13	WB LT 1.0
1302+25.50		1302+80.52	WB LT 1.0
1302+29.31		1302+84.33	WB RT 1.0

63100045 TRAFFIC BARRIER TERMINAL TYPE 2

STATION	TO	STATION	EACH
1291+25.84		1291+40.11	WB LT 1.0
1316+18.39		1316+32.66	EB RT 1.0

63100169 TRAFFIC BARRIER TERMINAL TYPE 1 (SP) TANGENT

STATION	TO	STATION	EACH
1290+77.95		1291+27.95	EB RT 1.0
1315+93.02		1316+43.02	WB LT 1.0

63100169 TRAFFIC BARRIER TERMINAL TYPE 1 (SP) FLARED

STATION	TO	STATION	EACH
1297+86.64		1298+36.64	EB LT 1.0
1304+71.83		1305+21.83	WB RT 1.0

78201000 TERMINAL MARKER - DIRECT APPLIED

STATION	EACH
1290+77.95	EB RT 1.0
1297+86.64	EB LT 1.0
1305+21.83	WB RT 1.0
1316+43.02	WB LT 1.0

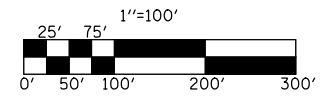
63200310 GUARDRAIL REMOVAL

STATION	TO	STATION	LENGTH (FT)
1290+88.00		1300+73.57	EB RT 985.57
1298+09.00		1300+69.76	EB LT 160.76
1302+50.27		1316+27.00	EB RT 1376.73
1291+30.00		1300+58.23	WB LT 928.23
1302+38.71		1303+88.30	WB RT 149.59
1302+34.90		1316+34.80	WB LT 1399.90

- HMA SURFACE REMOVAL, 1/2"
- HOT MIX ASPHALT SURFACE REMOVAL BUTT-JOINT
- AREA OF MILLING & RESURFACING TRANSITION

SEE MILLING AND BUTT-JOINT DETAILS

BURIED 100 PR COPPER CABLE



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY

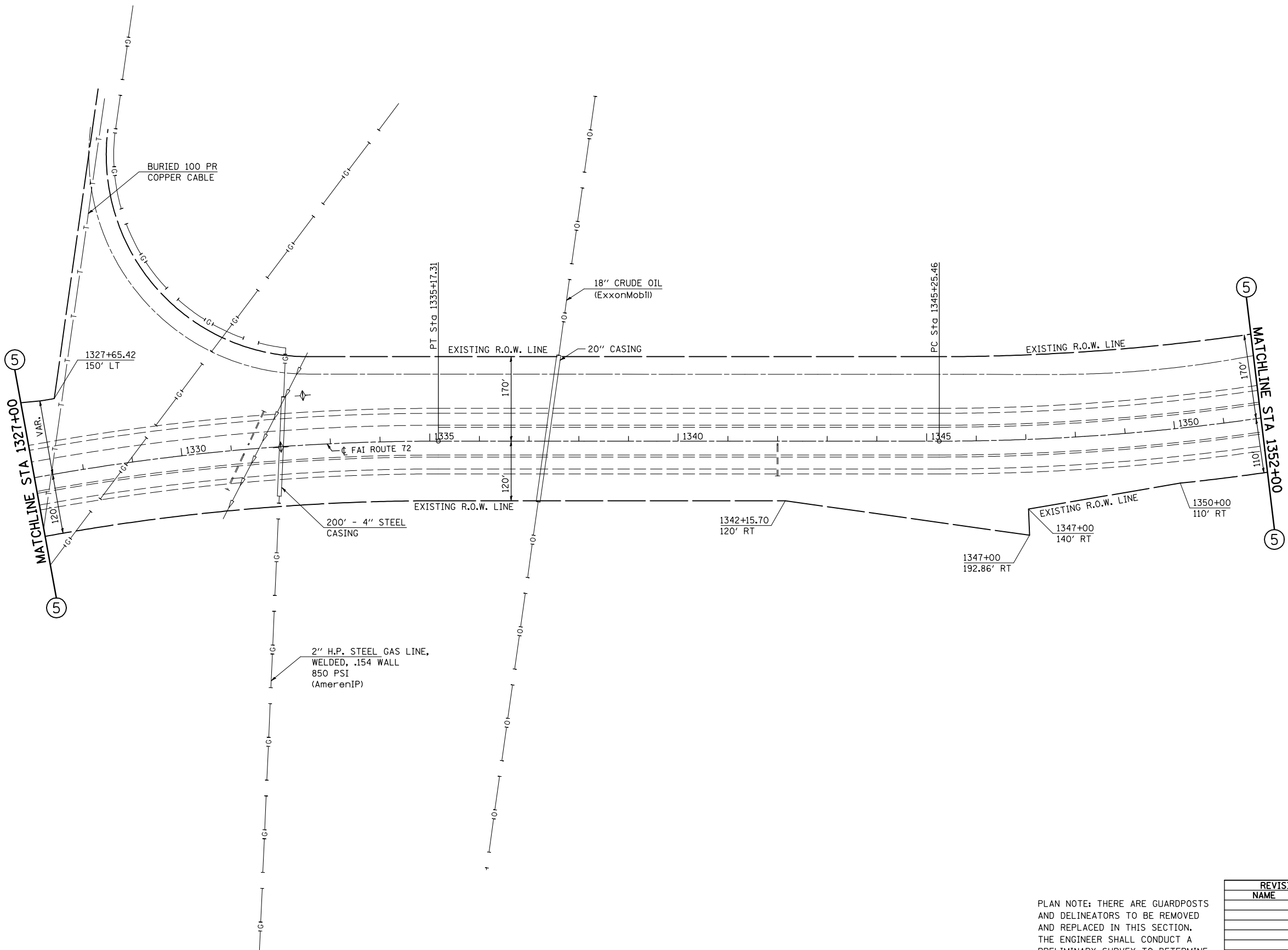
PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

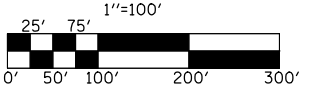
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 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesjj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	137
STA. 1327+00		TO STA. 1352+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(58,74-66)&(74-67&68)RS-1



PLOT DATE = 2/8/2010
 FILE NAME = G:\pwork\PIATT\BUCKLESJJ\d0109678\100pland.dgn
 PLOT SCALE = 211.7647 / IN.
 USER NAME = bucklesjj



PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.I. ROUTE 72
 SECTION: (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 SCALE: 1" = 100'
 DATE: 10/18/05
 DRAWN BY: CADD
 CHECKED BY:

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	138
STA. 1352+00		TO STA. 1379+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (58,74-66)&(74-67&68)RS-1				

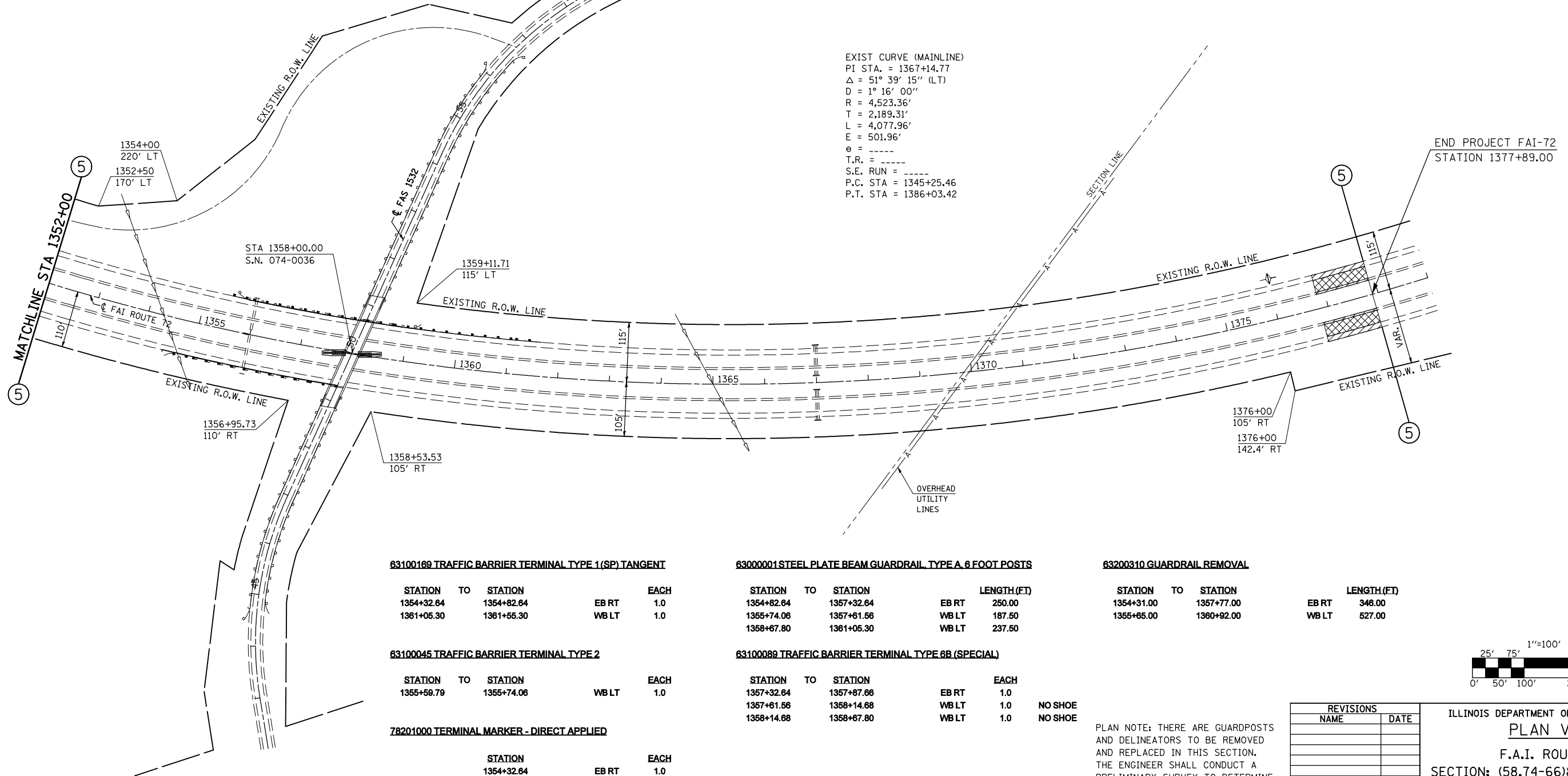
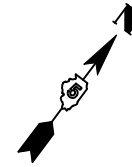
AREA OF MILLING AND RESURFACING TRANSITION
HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
AT MAINLINE PAVEMENT TRAVELED WAY

HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
AT MAINLINE SHOULDERS

- 1 SEE STRUCTURE PLANS, S.N. 074-0067 & S.N. 074-0036
- 2 PLAN NOTE: UPON COMPLETION OF THE PROJECT, THE VERTICLE CLEARANCES OF ALL AFFECTED OVERHEAD STRUCTURE SHALL BE VERIFIED AND REPORTED TO THE BUREAU OF OPERATIONS BY THE RESIDENT ENGINEER.
- 3 SEE DETAIL FOR IMPACT ATTENUATURS (NON-DIRECTIVE) TEST LEVEL 3.
- 4 SEE DETAIL FOR TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL).

SEE DETAILS FOR I-72 MAINLINE MILLING AND RESURFACING TRANSITIONS
SHEET 4 OF 4

EXIST CURVE (MAINLINE)
PI STA. = 1367+14.77
 $\Delta = 51^\circ 39' 15''$ (LT)
D = 1° 16' 00"
R = 4,523.36'
T = 2,189.31'
L = 4,077.96'
E = 501.96'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 1345+25.46
P.T. STA = 1386+03.42



63100169 TRAFFIC BARRIER TERMINAL TYPE 1 (SP) TANGENT

STATION	TO	STATION	EACH
1354+32.64		1354+82.64	EB RT 1.0
1361+05.30		1361+55.30	WB LT 1.0

63100045 TRAFFIC BARRIER TERMINAL TYPE 2

STATION	TO	STATION	EACH
1355+59.79		1355+74.06	WB LT 1.0

78201000 TERMINAL MARKER - DIRECT APPLIED

STATION	EACH
1354+32.64	EB RT 1.0
1361+55.30	WB LT 1.0

63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

STATION	TO	STATION	LENGTH (FT)
1354+82.64		1357+32.64	EB RT 250.00
1355+74.06		1357+61.56	WB LT 187.50
1358+67.80		1361+05.30	WB LT 237.50

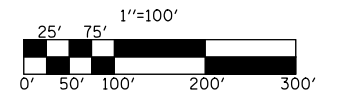
63100089 TRAFFIC BARRIER TERMINAL TYPE 6B (SPECIAL)

STATION	TO	STATION	EACH
1357+32.64		1357+87.66	EB RT 1.0
1357+61.56		1358+14.68	WB LT 1.0
1358+14.68		1358+87.80	WB LT 1.0

63200310 GUARDRAIL REMOVAL

STATION	TO	STATION	LENGTH (FT)
1354+31.00		1357+77.00	EB RT 346.00
1355+65.00		1360+92.00	WB LT 527.00

PLAN NOTE: THERE ARE GUARDPOSTS AND DELINEATORS TO BE REMOVED AND REPLACED IN THIS SECTION. THE ENGINEER SHALL CONDUCT A PRELIMINARY SURVEY TO DETERMINE QUANTITY OF EACH ITEM PRIOR TO CONSTRUCTION.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.I. ROUTE 72
SECTION: (58,74-66)&(74-67&68)RS-1
PIATT COUNTY

SCALE: 1" = 100'
DATE: 10/18/05
DRAWN BY: CADD
CHECKED BY:

GENERAL PLAN & ELEVATION

S.N. 074-0055

THE EXISTING OVERHEAD STRUCTURE WAS BUILT IN 1975 AS FAI ROUTE 72, SECTION (58,74-66)HB-2 AT STATION 932+59.22 AT THE MACON-PIATT COUNTY LINE. THE SUPERSTRUCTURE CONSISTS OF TEN 44" STEEL PLATE GIRDERS SUPPORTING A 7 1/2" R.C. DECK AND A 1 1/2" HOT MIX ASPHALT WEARING SURFACE WITH A WATERPROOFING MEMBRANE SYSTEM. THE SUPERSTRUCTURE IS SUPPORTED BY TWO SAND-FILLED, VAULTED ABUTMENTS ON SPREAD FOOTINGS AND CONCRETE PILES AND ONE TRAPEZOIDAL PIER ON A SPREAD FOOTING AND TIMBER PILES. THE EXISTING STRUCTURE MEASURES 250'-10" FROM BACK TO BACK OF APPROACH BENTS AND 68'-0" OUT TO OUT OF DECK. THE HORIZONTAL CLEARANCE IS 64'-6" FROM FACE TO FACE OF CURB INCLUDING 24'-3" OF CLEAR ROADWAY FOR EACH DIRECTION AND A 16'-0" FULLY-BONDED RAISED-CURB MEDIAN.

SEE LIST OF PROPOSED IMPROVEMENTS ON THIS SHEET.

WORK SHALL BE COMPLETED WITH STAGED CONSTRUCTION.

PROPOSED IMPROVEMENTS

1. REMOVAL OF THE EXISTING HMA WEARING SURFACE AND WATERPROOFING MEMBRANE SYSTEM.
2. 1/2" DECK HYDRO-SCARIFICATION.
3. FULL-DEPTH DECK PATCHING.
4. STRUCTURAL REPAIR OF CONCRETE ON ABUTMENT STEMS AND MEDIAN CURB FACES.
5. PLACEMENT OF PROPOSED MICRO SILICA CONCRETE WEARING SURFACE.
6. REPLACE EXISTING PREFORMED JOINT SEALS WITH SILICONE JOINT SEALER AND POLYMER CONCRETE NOSING.
7. INSTALL FLOOR DRAINS.
8. REPLACE EXISTING STEEL ROCKER BEARINGS WITH ELASTOMERIC BEARINGS AT ABUTMENTS.

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

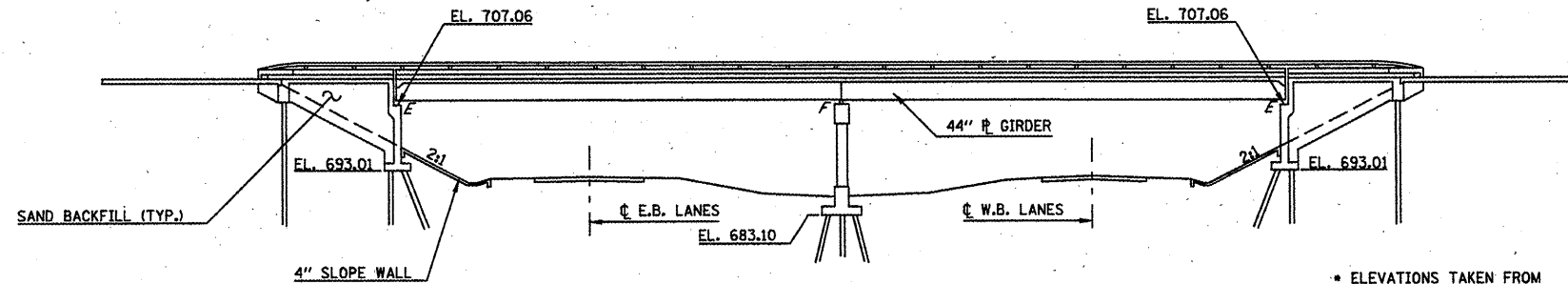
EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 706 GR 60. SEE SPECIAL PROVISIONS.

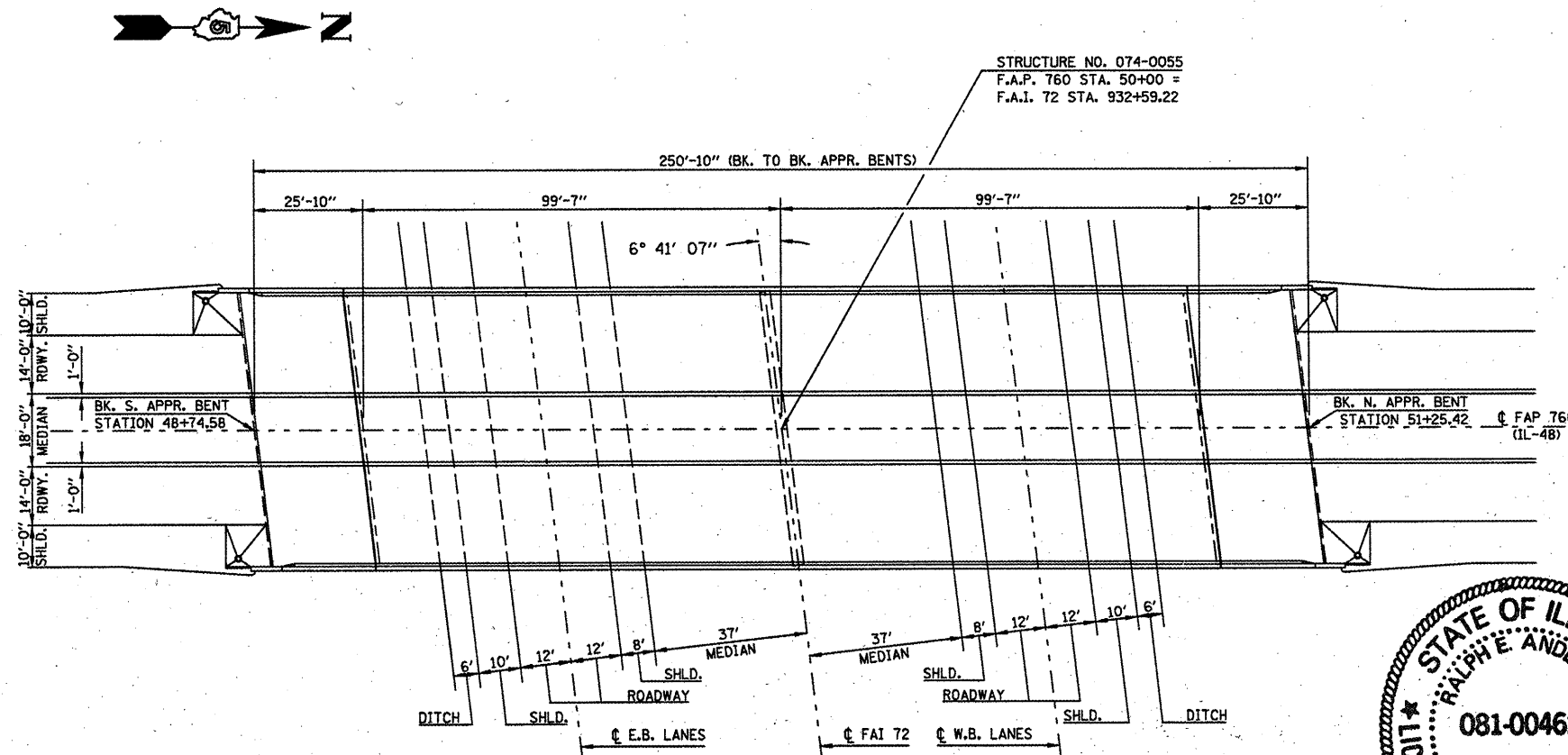
TOTAL BILL OF MATERIALS

ITEM	UNIT	TOTAL
HMA SURFACE REMOVAL (DECK)	SQ YD	1351.7
BRIDGE DECK HYDRO-SCARIFICATION, 1/2"	SQ YD	1351.7
BRIDGE DECK MICROSILICA CONCRETE OVERLAY, 2 1/4"	SQ YD	1351.7
BRIDGE DECK GROOVING	SQ YD	1240.2
PROTECTIVE COAT	SQ YD	1351.7
JACK AND REMOVE EXISTING BEARINGS	EACH	20.0
ELASTOMERIC BEARING ASSEMBLY, TY I	EACH	20.0
FURNISH AND ERECT STRUCTURAL STEEL	POUND	3700.0
ANCHOR BOLTS, 1 1/4"	EACH	40.0
STRUCTURAL REPAIR OF CONCRETE (DEPTH <= 5")	SQ FT	165.8
DECK SLAB REPAIR (FULL-DEPTH, TY I)	SQ YD	4.4
DECK SLAB REPAIR (FULL-DEPTH, TY II)	SQ YD	14.2
CONCRETE REMOVAL	CU YD	7.1
CONCRETE SUPERSTRUCTURE	CU YD	6.6
REINFORCEMENT BARS, EPOXY COATED	POUND	770.0
MECHANICAL SPLICE	EACH	122.0
POLYMER CONCRETE	CU FT	17.3
SILICONE JOINT SEALER, 2"	FOOT	134.0
FLOOR DRAINS	EACH	8.0
PROTECTIVE SHIELD	SQ YD	579.0

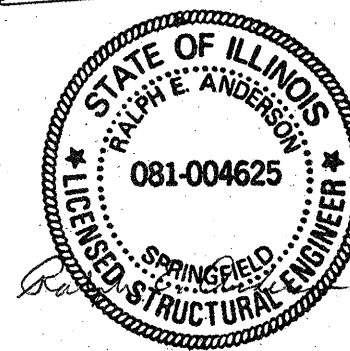


ELEVATIONS TAKEN FROM AS-BUILT PLANS AND ARE SHOWN FOR PERSPECTIVE ONLY.

ELEVATION VIEW



PLAN VIEW



Expires 11/30/2010

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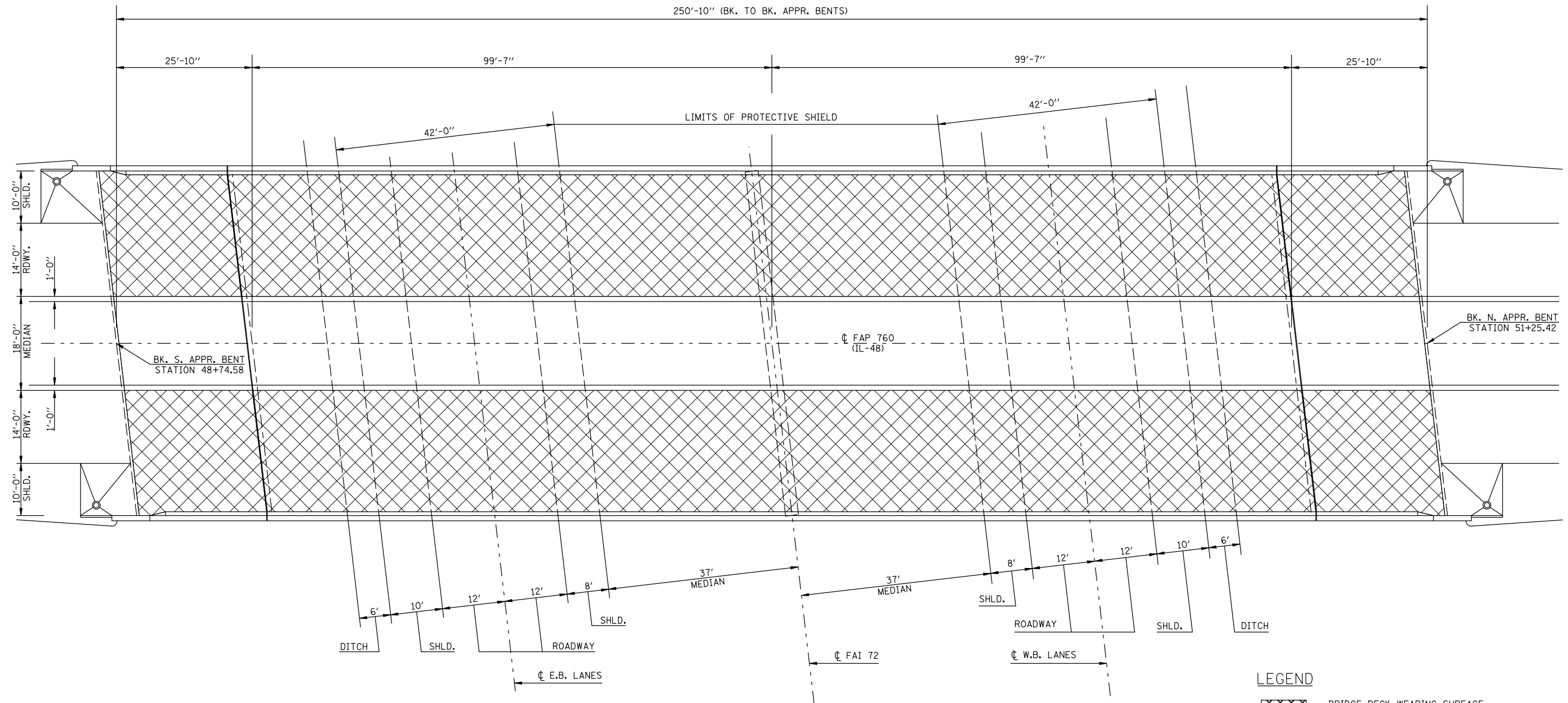
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
S.N. 074-0055

SCALE: SHEET NO. 1 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(58,74-66)&(74-67&68)RS-1	PIATT	251	139
				CONTRACT NO. 70022
ILLINOIS FED. AID PROJECT				

BRIDGE DECK WEARING SURFACE PLAN S.N. 074-0055



LEGEND

BRIDGE DECK WEARING SURFACE, REMOVAL AND REPLACEMENT

BILL OF MATERIALS

ITEM	UNIT	TOTAL
HMA SURFACE REMOVAL (DECK)	SQ YD	1351.7
BRIDGE DECK HYDRO-SCARIFICATION, 1/2"	SQ YD	1351.7
BRIDGE DECK MICRO-SILICA CONCRETE OVERLAY, 2 1/4"	SQ YD	1351.7
PROTECTIVE SHIELD	SQ YD	579.0

FILE NAME =	USER NAME = ppersonbr	DESIGNED - GMS	REVISED -
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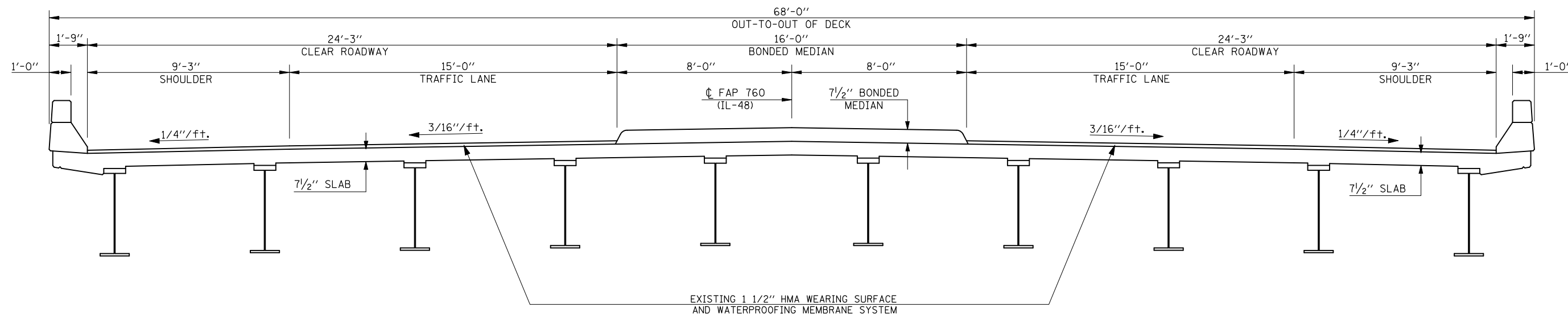
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE DECK WEARING SURFACE PLAN
S.N. 074-0055**

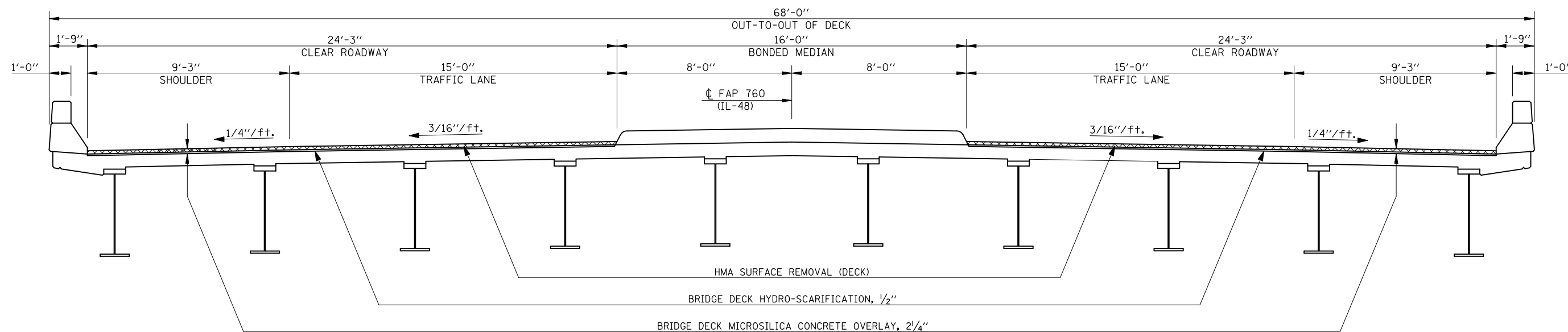
SCALE: SHEET NO. 2 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(58,74-66)&(74-67&68)RS-1	PIATT	251	140
CONTRACT NO. 70022			ILLINOIS FED. AID PROJECT	

DECK CROSS SECTIONS S.N. 074-0055



EXISTING DECK CROSS SECTION



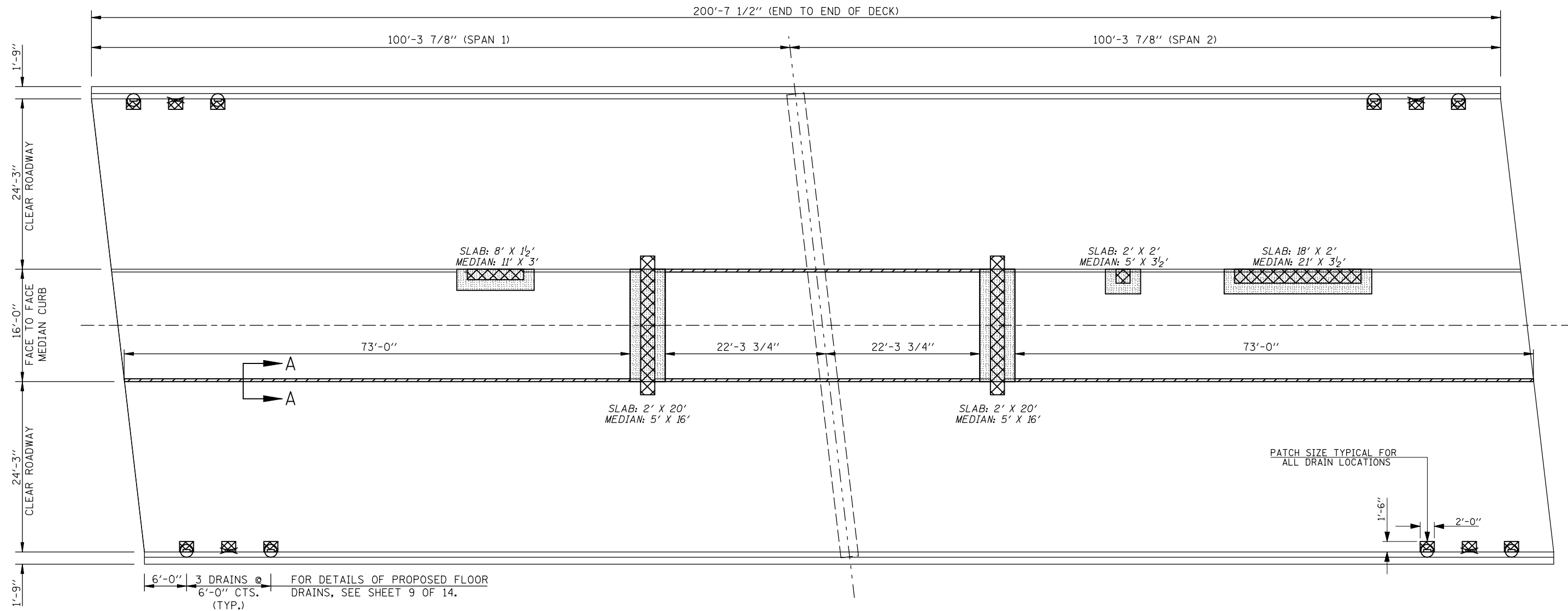
PROPOSED DECK CROSS SECTION

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ct:\pw\work\p\dot\personbr\d0109687\700	22-Bridge Repair Plan.dgn	DRAWN - GMS	REVISED -		72	(58,74-66)&(74-67&68)RS-1	PIATT	251	141	CONTRACT NO. 70022		
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -		SCALE:	SHEET NO. 3 OF 14 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 2/8/2010	DATE -	REVISED -									

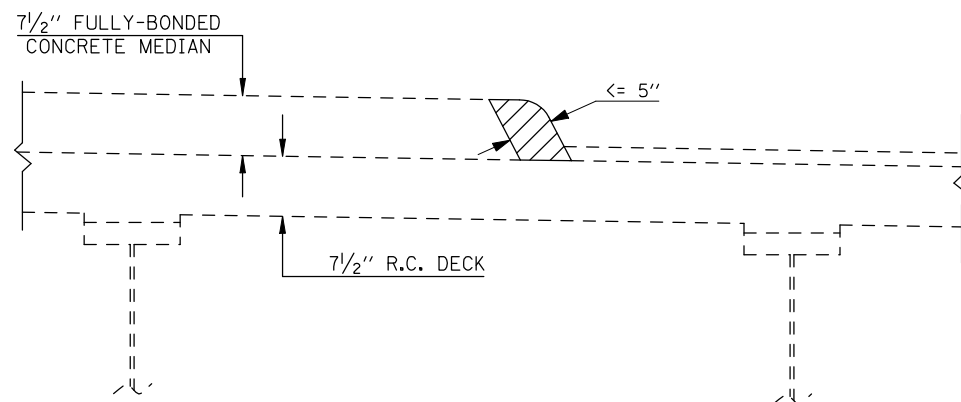
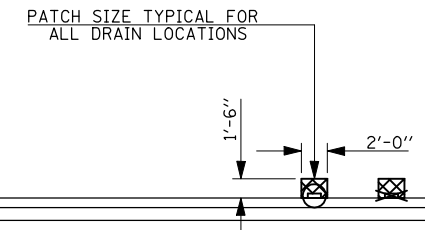
DECK SURVEY PERFORMED ON JUNE 5, 2009. IF MORE THAN ONE WINTER FREEZE-THAW CYCLE OCCURS BETWEEN THE INITIAL INSPECTION AND THE COMMENCEMENT OF WORK, THE FINAL PLAN QUANTITIES FOR DECK REPAIRS MUST BE BASED ON A NEW INSPECTION OF THE DECK.

SUPERSTRUCTURE REPAIR PLAN

S.N. 074-0055



6'-0" | 3 DRAINS @ 6'-0" CTS. (TYP.) FOR DETAILS OF PROPOSED FLOOR DRAINS, SEE SHEET 9 OF 14.



SECTION A-A

LEGEND

- CONCRETE REMOVAL & CONCRETE SUPERSTRUCTURE
- DECK SLAB REPAIR, FULL-DEPTH
- STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 IN.)
- EXISTING DECK DRAINS (TO BE ELIMINATED)
- EXISTING DECK DRAINS (TO BE REPLACED WITH FLOOR DRAINS)

NOTE:

EXISTING DRAINS AND EXTENSIONS SHALL BE REMOVED AND PAID FOR AS DECK SLAB REPAIR (FULL DEPTH, TY I)
 FOR DETAILS AND QUANTITIES OF CONCRETE REMOVAL, CONCRETE SUPERSTRUCTURE & REINFORCEMENT, SEE SHEET 5 OF 14.

BILL OF MATERIALS

ITEM	UNIT	TOTAL
DECK SLAB REPAIR (FULL-DEPTH, TY I)	SQ YD	4.4
DECK SLAB REPAIR (FULL-DEPTH, TY II)	SQ YD	14.2
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 IN.)	SQ FT	147.0
FLOOR DRAINS	EACH	8.0

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	PLOT DATE = 2/8/2010	DATE -	REVISED -

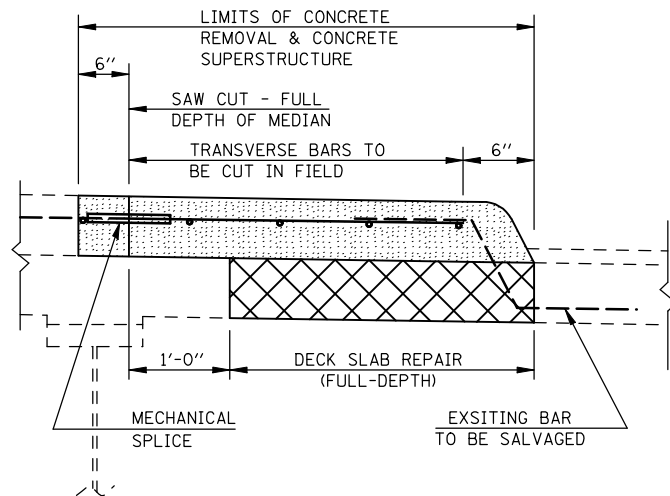
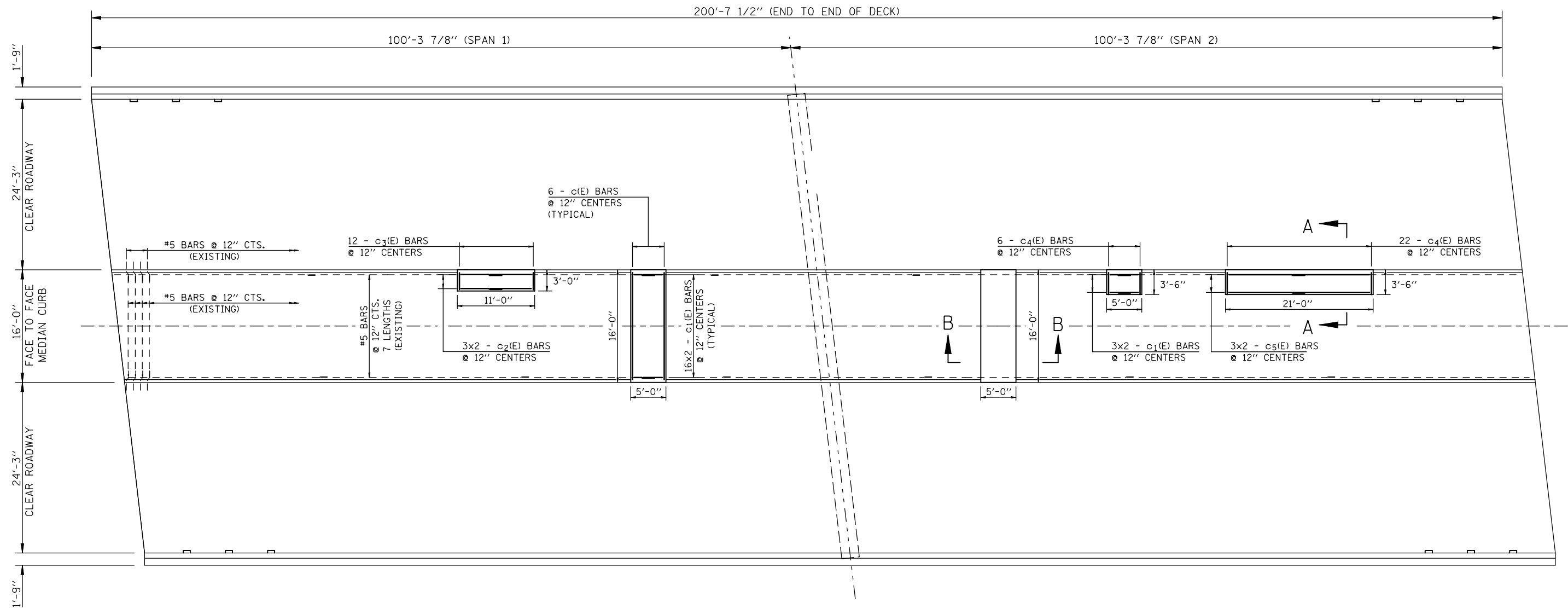
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE REPAIR PLAN
S.N. 074-0055

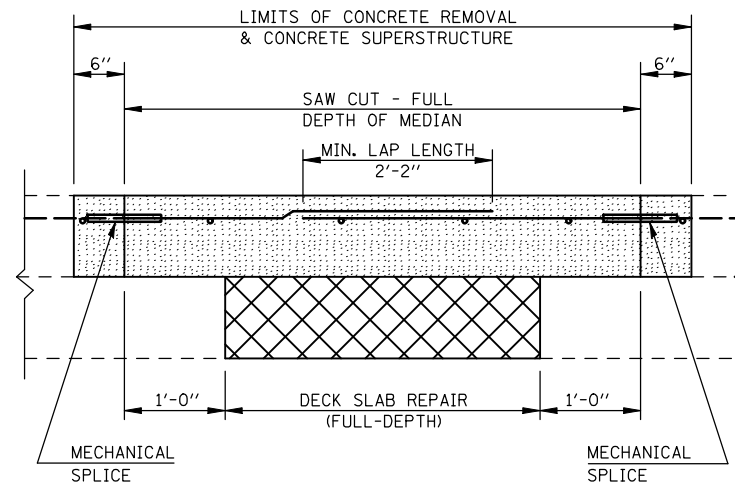
SCALE: SHEET NO. 4 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(58,74-66)&(74-67&68)RS-1	PIATT	251	142
CONTRACT NO. 70022			ILLINOIS FED. AID PROJECT	

SUPERSTRUCTURE REPAIR PLAN S.N. 074-0055



**SECTION A-A
(TYPICAL REPAIR DETAIL)**



**SECTION B-B
(TYPICAL REPAIR DETAIL)**

NOTES:

EXISTING BARS TO BE REUSED SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION.

PATCH SIZES SHOWN REPRESENT CONDITIONS AT THE TIME THE PLANS WERE COMPLETED. THE ACTUAL SIZES AND LOCATIONS OF PATCHING SHALL BE DETERMINED BY THE ENGINEER.

EXTRA LENGTH HAS BEEN PROVIDED IN TRANSVERSE REINFORCEMENT TO ACCOMMODATE THE POTENTIAL FOR LARGER PATCH SIZES. THE CONTRACTOR SHALL CUT TRANSVERSE REINFORCEMENT TO LENGTH IN THE FIELD. THIS POTENTIAL FOR LARGER PATCH SIZES IS PROVIDED FOR IN LONGITUDINAL REINFORCEMENT WITH EXCESS LAP LENGTH. HOWEVER, THE MINIMUM LAP LENGTH OF 2'-2" MUST BE MAINTAINED.

BARS DESIGNATED THUS 3x2 - ETC. INDICATES 3 LINES OF BARS WITH 2 LENGTHS PERLINE.

ALL PROPOSED REINFORCEMENT BARS AND MECHANICAL SPLICES SHALL BE EPOXY COATED.

FOR ADDITIONAL INFORMATION ON AS-BUILT REINFORCEMENT, SEE SHEETS 12 & 13 OF 14.

BILL OF MATERIALS

BAR NO.	SIZE	LENGTH	SHAPE
c(E)	12	#5	15'-0"
c ₁ (E)	70	#5	3'-6"
c ₂ (E)	6	#5	8'-6"
c ₃ (E)	12	#5	4'-0"
c ₄ (E)	28	#5	4'-6"
c ₅ (E)	6	#5	13'-0"
REINFORCEMENT BARS, EPOXY COATED			POUND 770.0
CONCRETE REMOVAL			CU. YD. 6.6
CONCRETE SUPERSTRUCTURE			CU. YD. 6.6
MECHANICAL SPLICE			EACH 122.0

FILE NAME =	USER NAME = p1ersonbr	DESIGNED - GMS	REVISED -
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 2/8/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE REPAIR PLAN
S.N. 074-0055**

SCALE: SHEET NO. 5 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(58,74-66)&(74-67&68)RS-1	PIATT	251	143
CONTRACT NO. 70022				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM REACTIONS

RP	(K)	46.5
R _L	(K)	54.4
Imp.	(K)	12.1
R (Total)	(K)	113.0

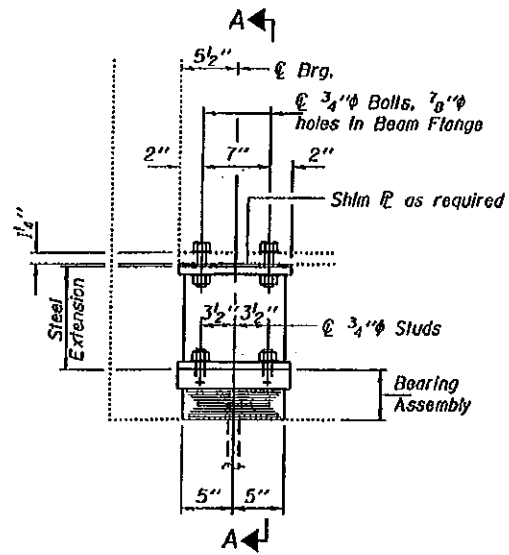
Notes:
Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.
New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Min. Jack capacity = 60 Tons.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
Side retainers shall be included in the cost of Elastomeric Bearing Assembly, Type I.
If the analysis submitted to the Contractor for the jacking/temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hardwood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation.

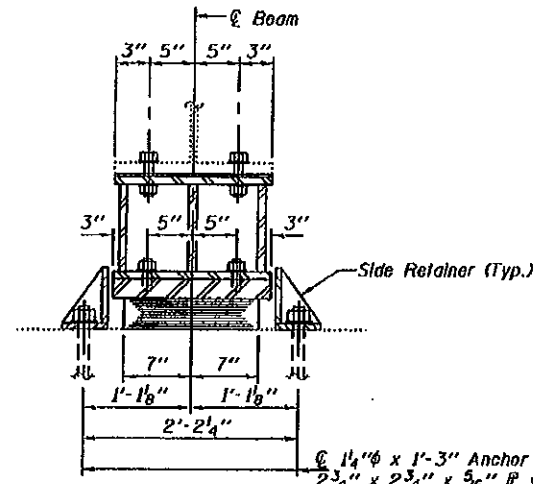
All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type I. Cost included with Furnishing and Erecting Structural Steel.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
Fasteners shall be high strength bolts.

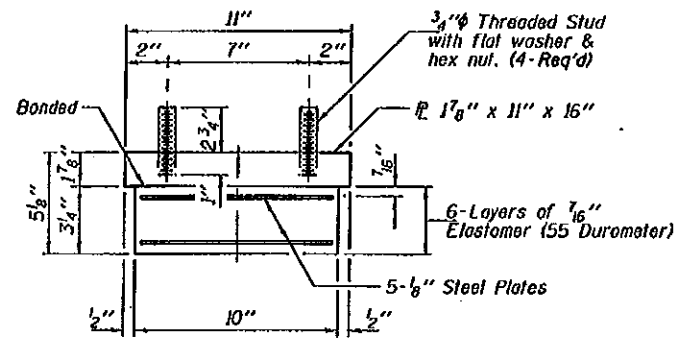


ELEVATION AT ABUTMENT



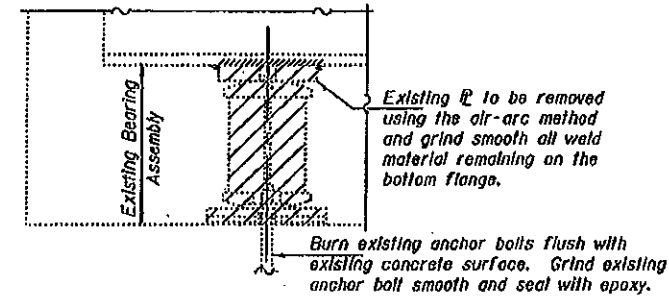
SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.



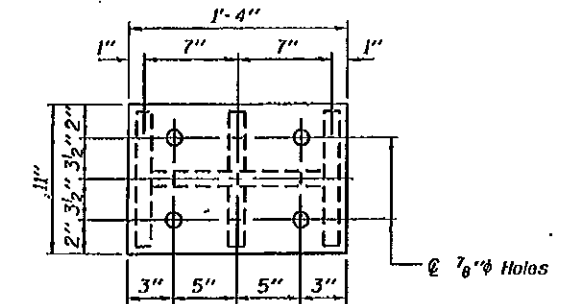
BEARING ASSEMBLY

Note:
Shim plates shall not be placed under Bearing Assembly.

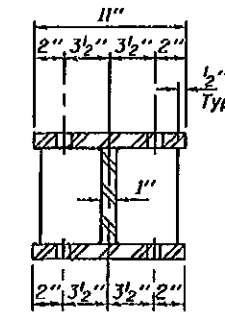


EXISTING BEARING REMOVAL DETAIL

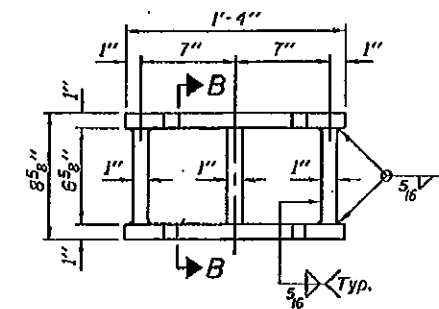
Cost included with Jack and Remove Existing Bearings.



PLAN TOP AND BOTTOM PLATE



SECTION B-B

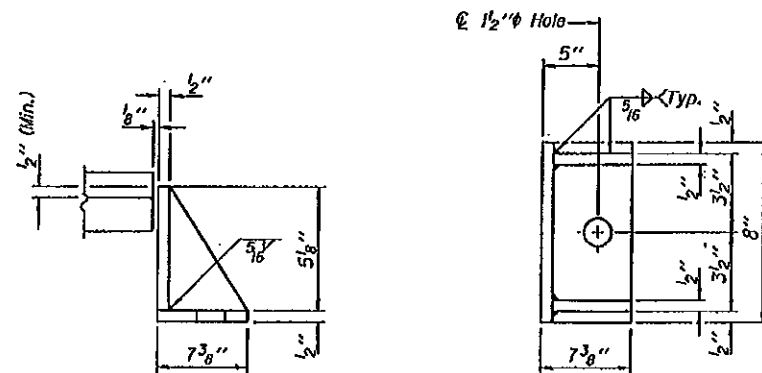


STEEL EXTENSION DETAIL

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	20
Jack and Remove Existing Bearings	Each	20
Furnishing and Erecting Structural Steel	Pound	3700
Anchor Bolts 1/4"	Each	40

ELASTOMERIC BEARING
ASSEMBLY DETAILS
SN 074-0055



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. (40 Required)

DESIGNED	VHV
CHECKED	DAB
DRAWN	Kyle M. Steffen
CHECKED	VHV DAB

EXAMINED	October 5, 2009
PASSED	<i>Robert E. Anderson</i> ENGINEER OF STRUCTURES AND STRUCTURES

PRE-FINAL
DATE: 10-05-2009

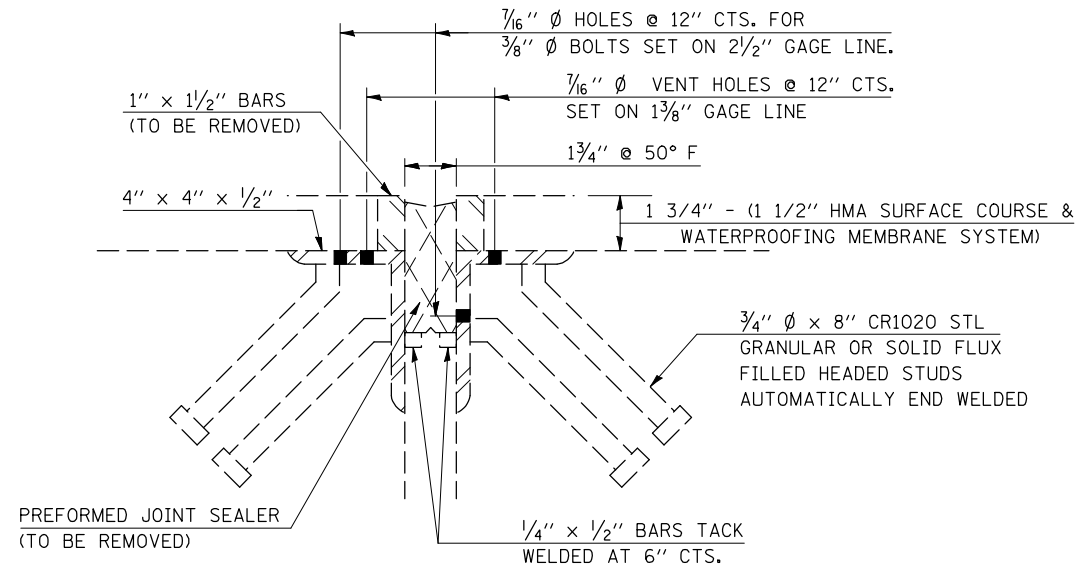
TYI/REPS 12-03-2008

SHEET NO.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
- SHEETS	72	-	PIATT	251	144
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
			CONTRACT NO.		

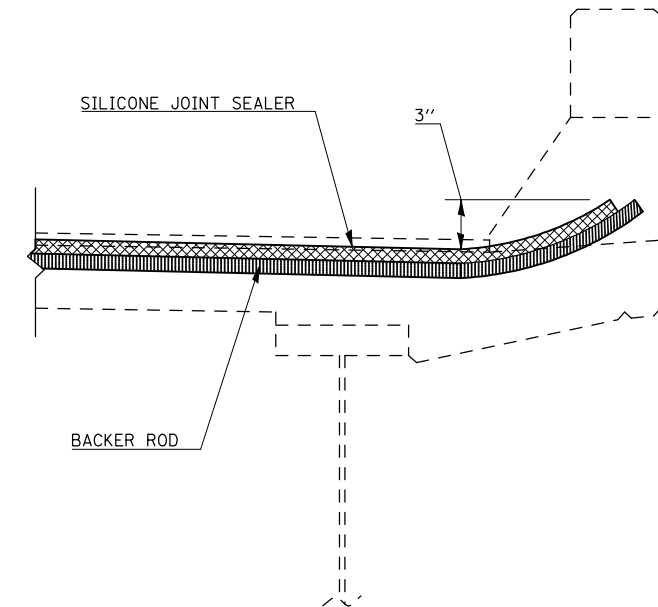
EXPANSION JOINT REPAIR DETAILS

S.N. 074-0055

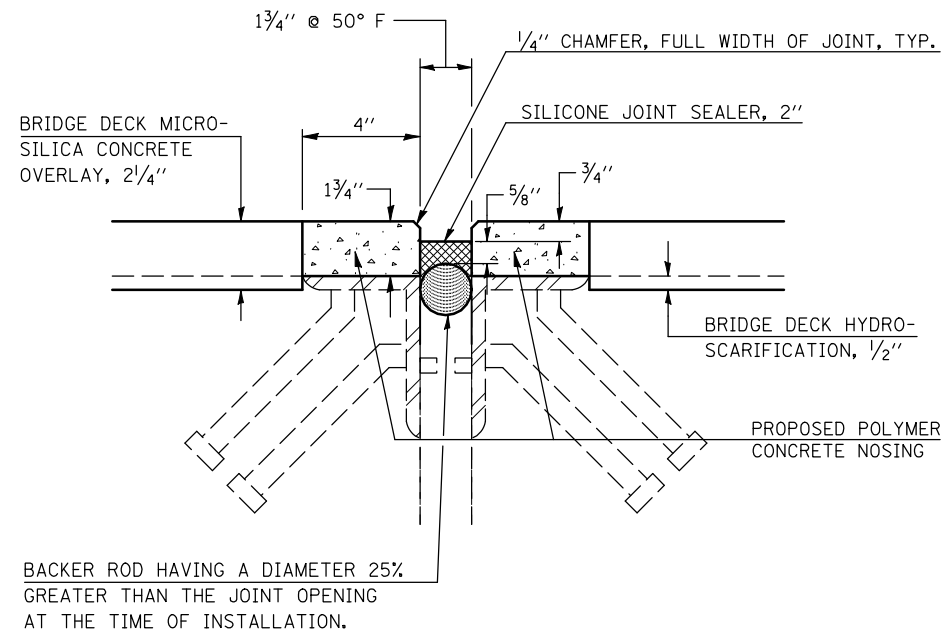
(NORTH AND SOUTH ABUTMENT JOINTS)



EXISTING JOINT



SECTION AT PARAPET
SILICONE JOINT SEALER



PROPOSED JOINT

NOTES

REMOVE EXISTING PREFORMED JOINT SEALER AND 1" X 1/2" ARMOR EXTENSIONS PRIOR TO PLACING SILICONE JOINT SEALER. COST TO BE INCLUDED WITH SILICONE JOINT SEALER, 2".

FOR DETAILS AND ADDITIONAL PAY ITEMS ASSOCIATED WITH EXPANSION JOINT TREATMENT AT BONDED MEDIAN, SEE SHEET 8 OF 14.

BILL OF MATERIALS

ITEM	UNIT	TOTAL
SILICONE JOINT SEALER, 2"	FOOT	134.0
POLYMER CONCRETE	CU FT	17.3

FILE NAME =	USER NAME = ppersonbr	DESIGNED - GMS	REVISED -
ct:\pw\work\p\dot\personbr\d0109687\70022-Bridge Repair Plan.dgn		DRAWN - GMS	REVISED -
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 2/8/2010	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

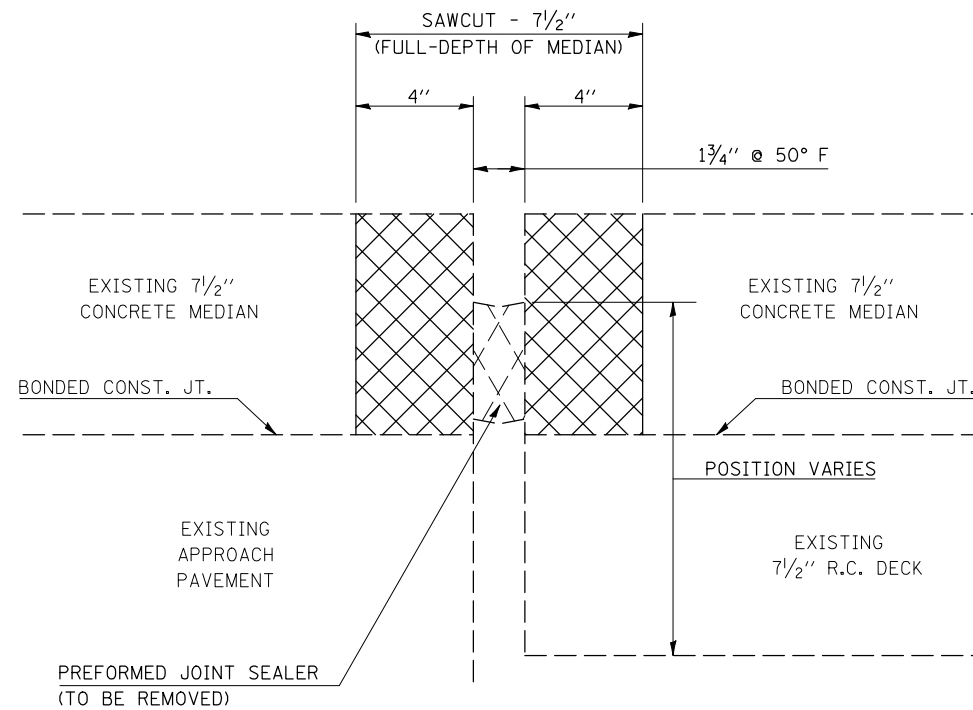
**EXPANSION JOINT REPAIR DETAILS
S.N. 074-0055**

SCALE: SHEET NO. 7 OF 14 SHEETS STA. TO STA.

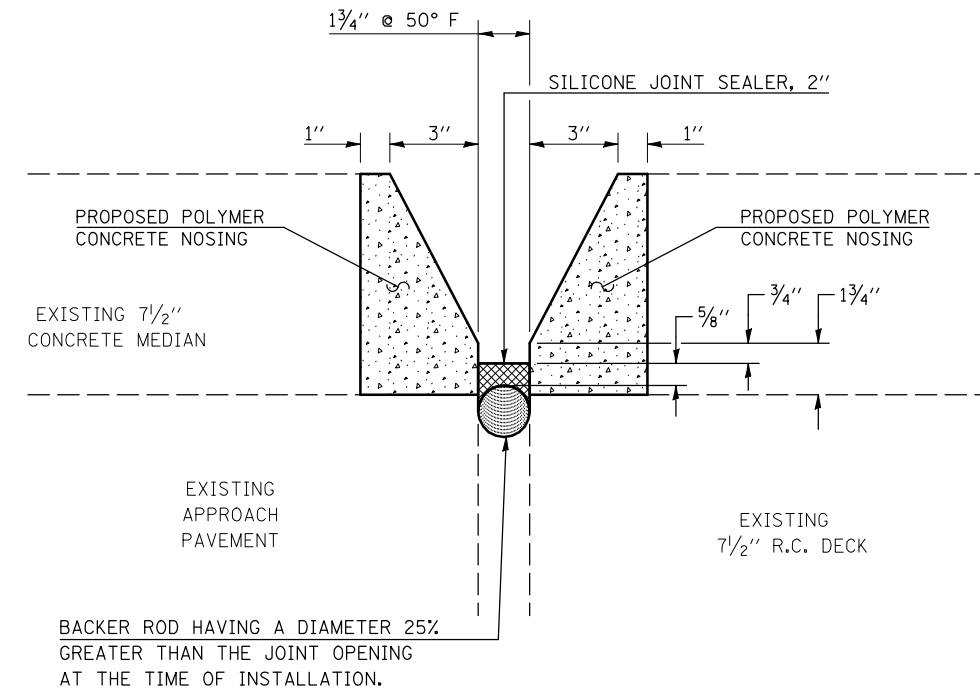
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(58,74-66)&(74-67&68)RS-1	PIATT	251	145
CONTRACT NO. 70022			ILLINOIS FED. AID PROJECT	

EXPANSION JOINT MEDIAN TREATMENT S.N. 074-0055

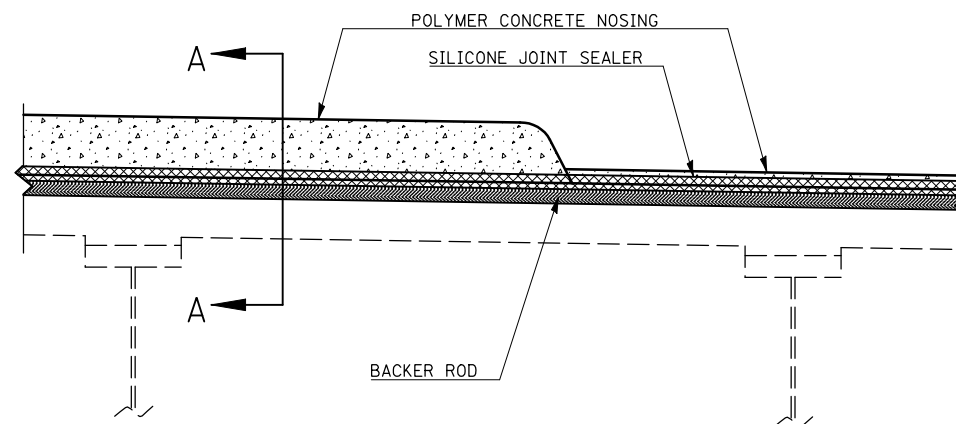
(NORTH AND SOUTH ABUTMENT JOINTS)



EXISTING JOINT
(SECTION AT MEDIAN)



PROPOSED JOINT
(SECTION A-A)



SECTION AT MEDIAN
SILICONE JOINT SEALER

NOTES

WHILE REMOVING THE PORTION OF THE BONDED CONCRETE MEDIAN AT THE JOINT, THE CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGING THE DECK. AT THE ENGINEER'S DISCRETION, AREAS OF THE DECK OR APPROACH PAVEMENT DAMAGED BELOW THE BONDED JOINT SHALL EITHER BE REPAIRED WITH POLYMER CONCRETE IF ABOVE THE REINFORCEMENT, OR WITH PARTIAL-DEPTH PATCHING IF BELOW THE REINFORCEMENT, AND WILL NOT BE MEASURED FOR PAYMENT.

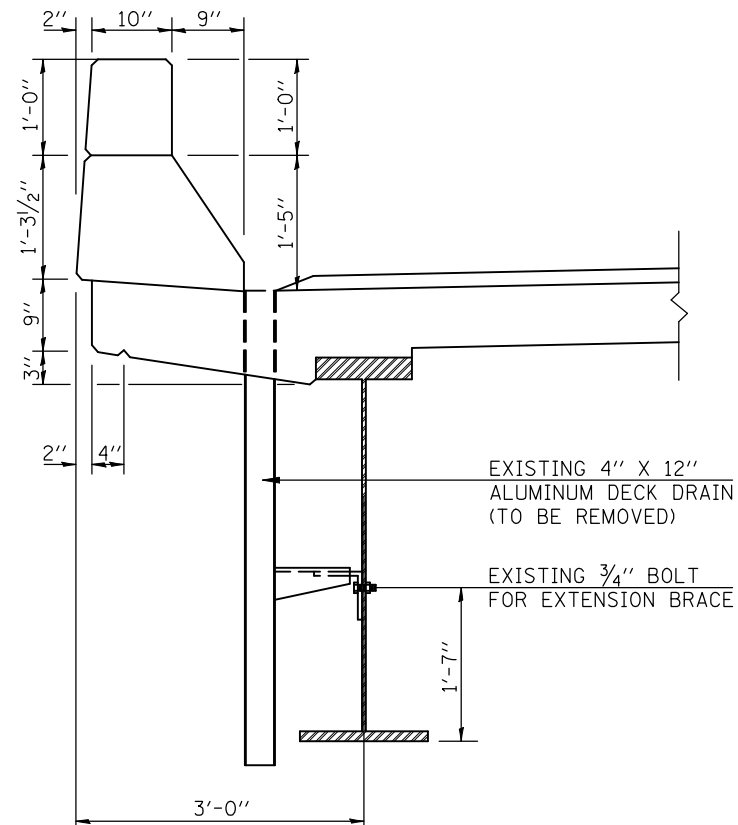
QUANTITIES FOR POLYMER CONCRETE AND SILICONE JOINT SEALER, 2" ARE INCLUDED ON SHEET 7 OF 14.

BILL OF MATERIALS

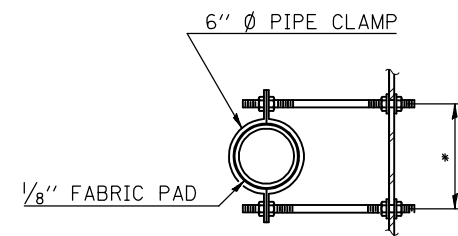
ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	0.5

FLOOR DRAIN DETAILS

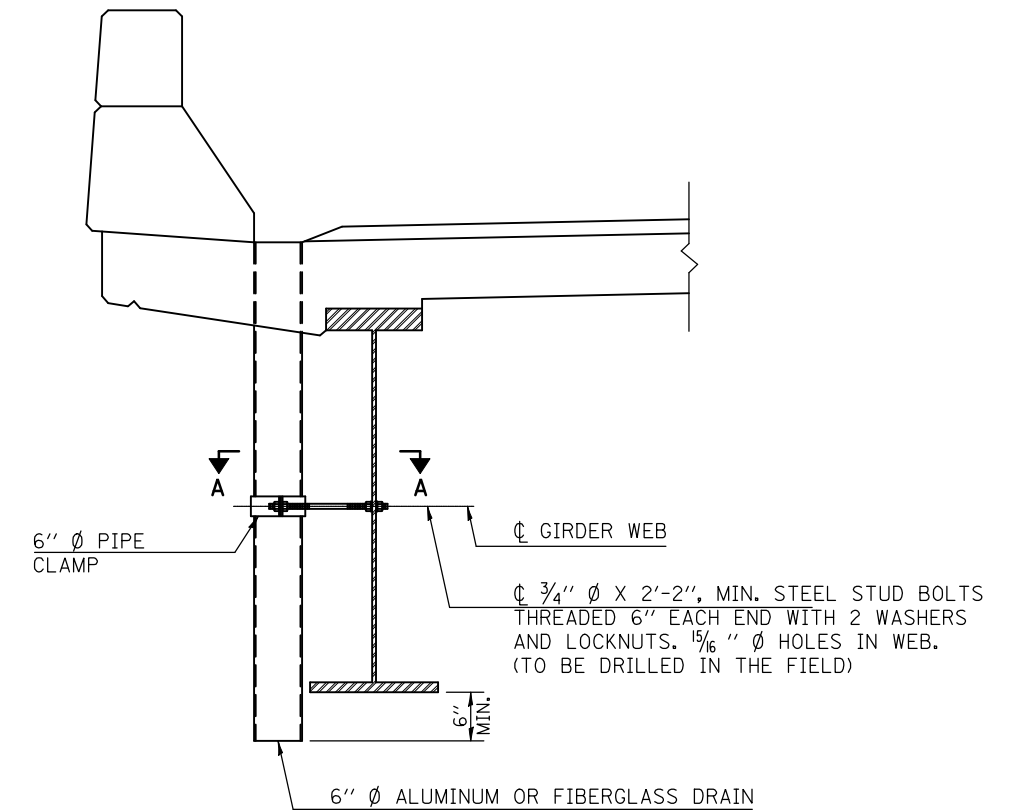
S.N. 074-0055



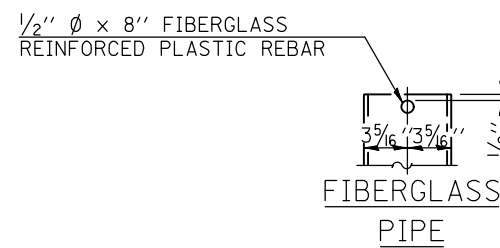
SECTION AT
EXISTING DRAIN



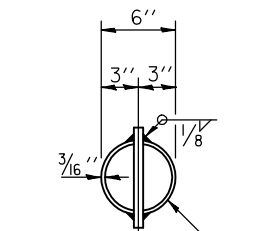
SECTION A-A
* DIMENSION AS REQUIRED
BY PIPE CLAMP



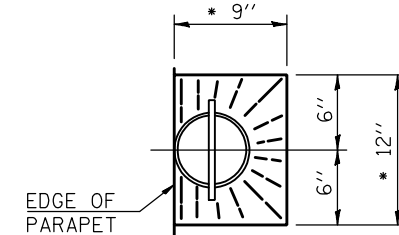
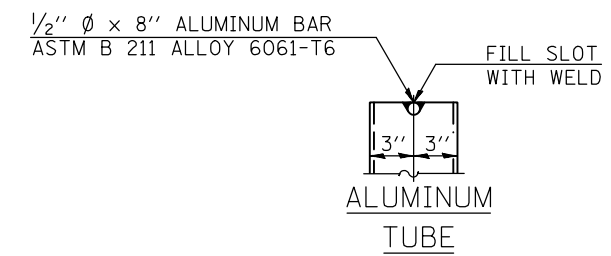
SECTION AT
PROPOSED DRAIN



6" O.D. ALUMINUM TUBE ALLOY
6061-T6 OR 6" Ø FIBERGLASS PIPE



TOP PLAN
(ALUMINUM TUBE SHOWN)



TOP PLAN
* SLOPE TO DRAIN

NOTES:

FLOOR DRAINS NEED NOT BE PAINTED.

FIBERGLASS PIPE SHALL CONFORM TO ASTM D 2996, WITH SHORT-TIME RUPTURE STRENGTH HOOP TENSILE STRESS OF 30,000 P.S.I. MINIMUM.

GALVANIZE CLAMPING DEVICE AND ALL STUD BOLTS, WASHERS AND NUTS ACCORDING TO AASHTO M232.

FILE NAME =	USER NAME = ppersonbr	DESIGNED - GMS	REVISED -
ct:\pw\work\p\dot\personbr\d0109687\70022-Bridge Repair Plan.dgn		DRAWN - GMS	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/8/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

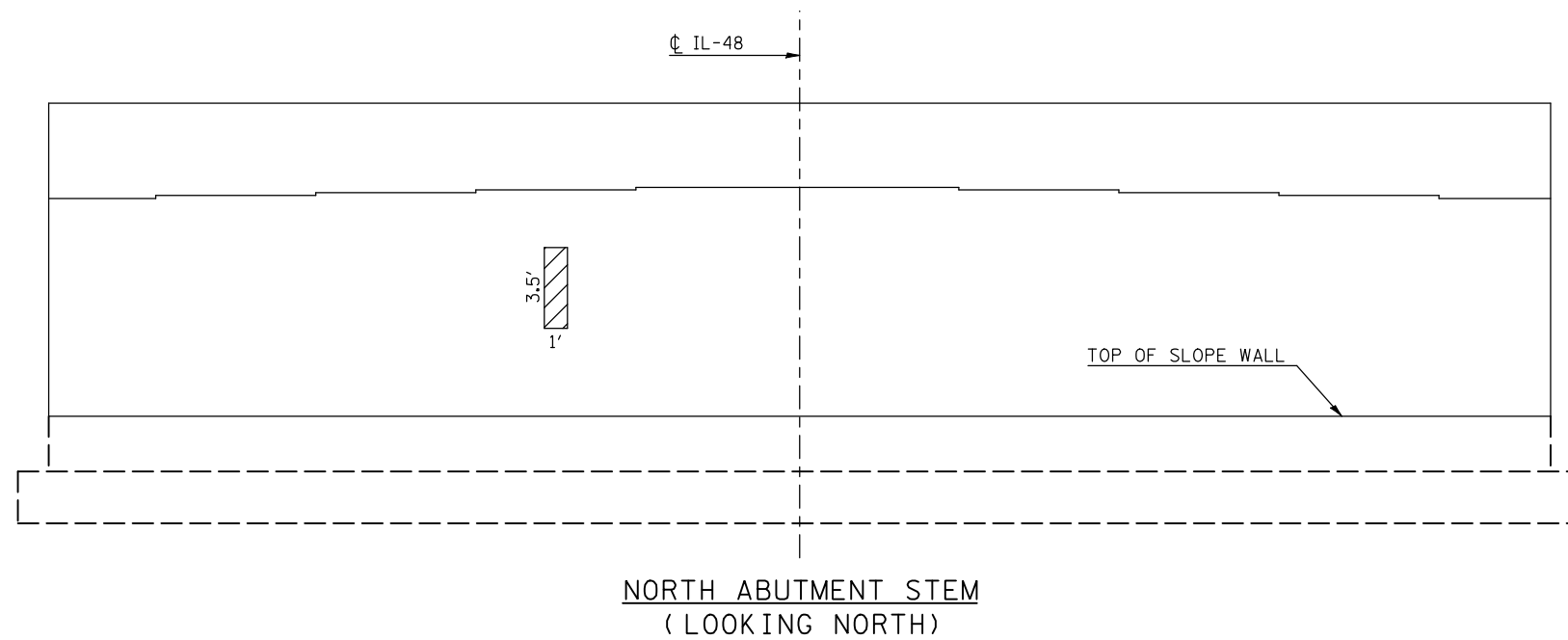
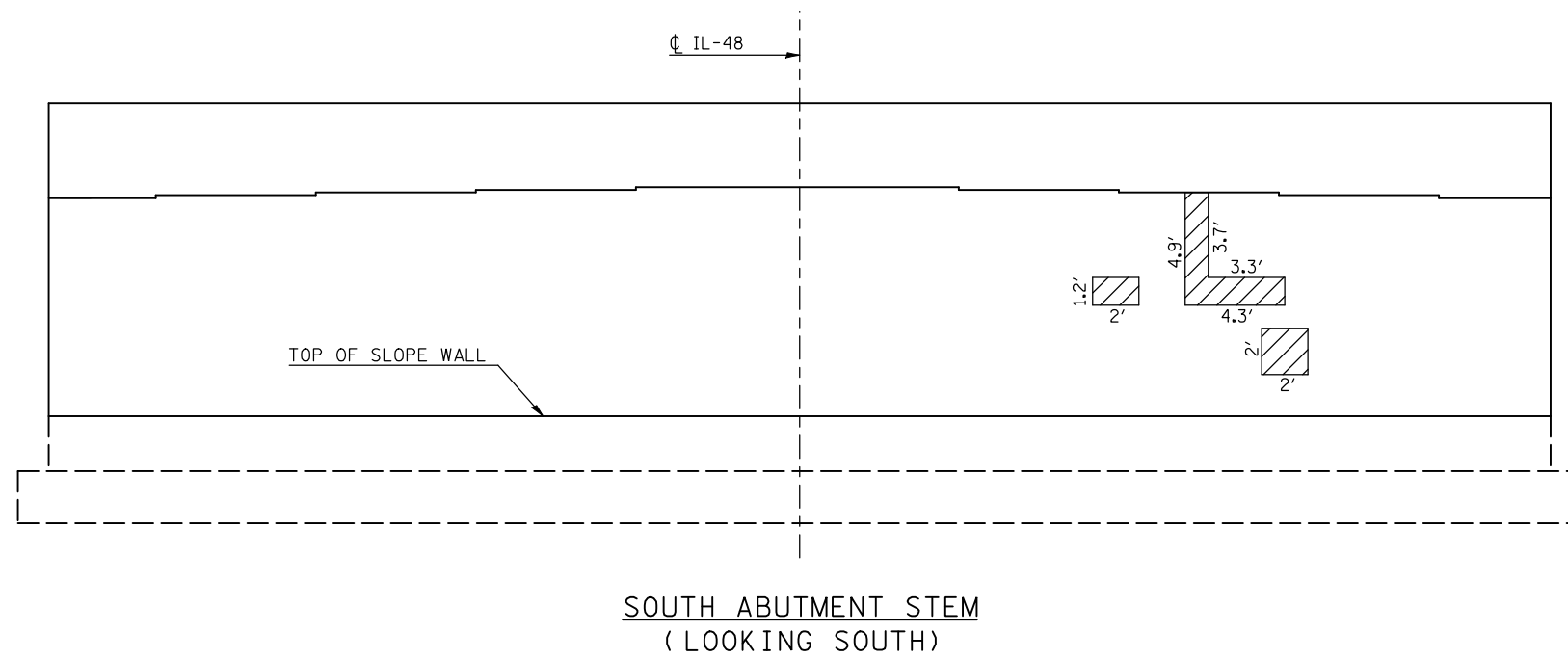
FLOOR DRAIN DETAILS
S.N. 074-0055

SCALE: SHEET NO. 9 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(58,74-66)&(74-67&68)RS-1	PIATT	251	147
CONTRACT NO. 70022			ILLINOIS FED. AID PROJECT	

SUBSTRUCTURE REPAIR DETAILS

S.N. 074-0055



LEGEND

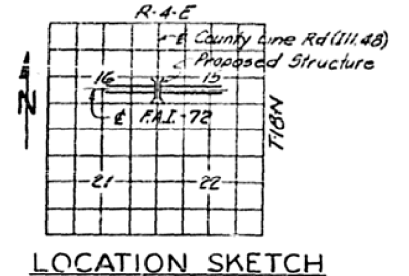
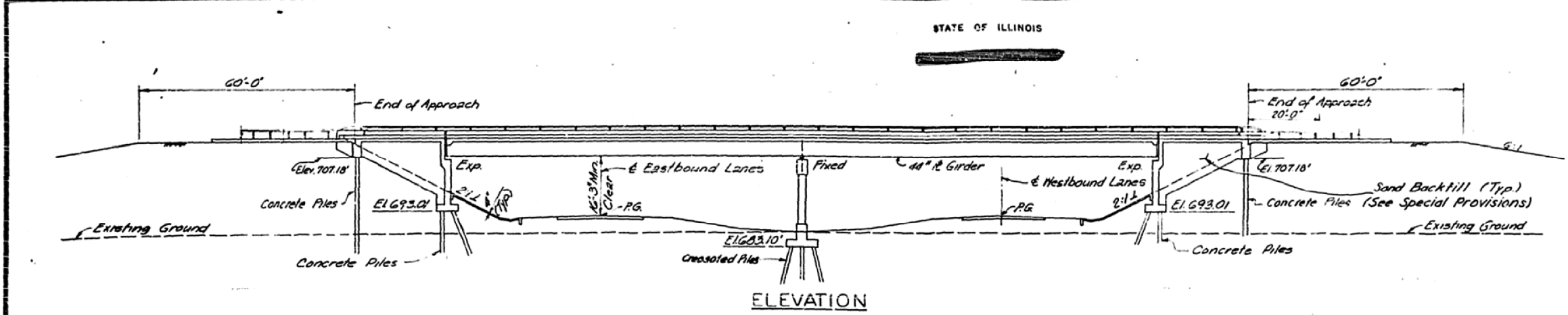
STRUCTURAL REPAIR OF CONCRETE,
DEPTH EQUAL TO OR LESS THAN 5"

BILL OF MATERIALS

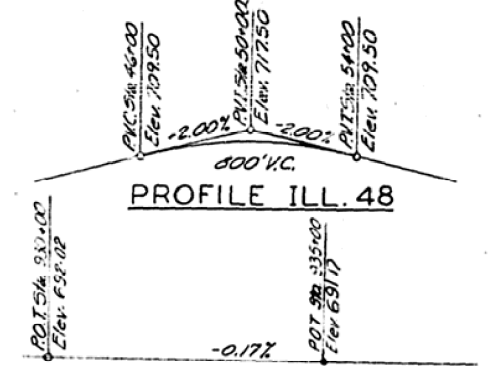
ITEM	UNIT	TOTAL
STRUCTURAL REPAIR OF CONCRETE (DEPTH LESS THAN OR EQUAL TO 5 IN.)	SQ FT	18.8

AS-BUILT PLANS – S.N. 074-0055 FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
58-68	HB-2	MACON & PIATT	77	16
SHEETS 15				

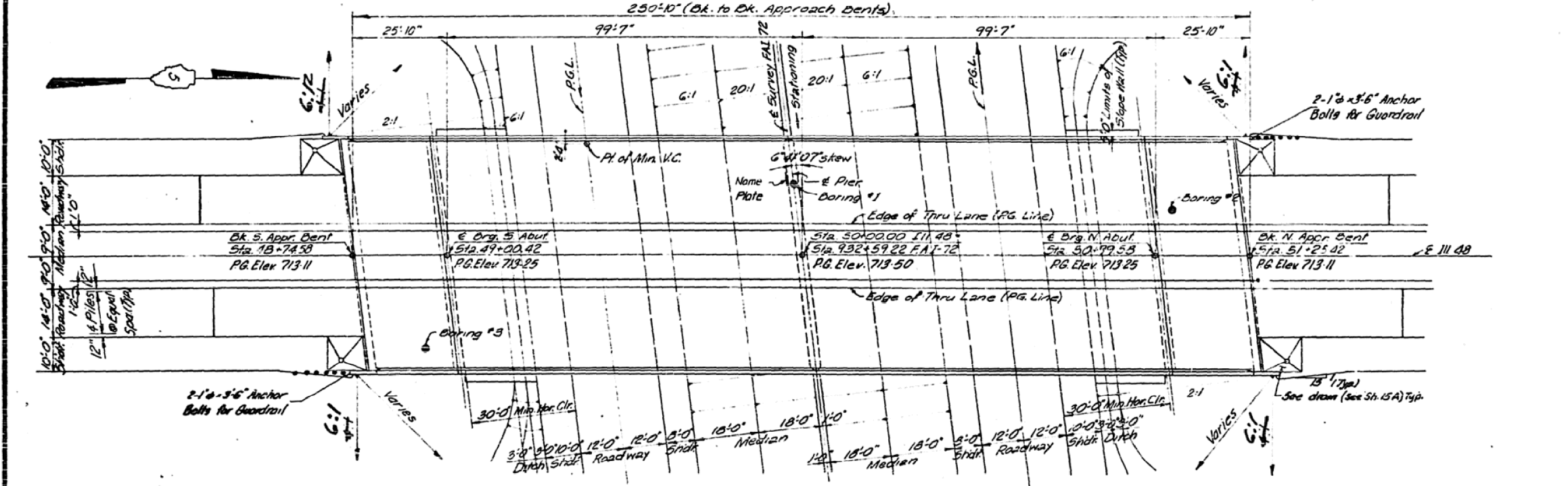


LOCATION SKETCH



PROFILE ILL. 48

PROFILE F.A.I.-72



PLAN

TOTAL BILL OF MATERIALS

Item	Unit	Super	Sub	Total
Aluminum Railing	Lin. Ft.	587	-	587
Sand Backfill	Cu. Yd.	-	780	780
Structure Excavation	Cu. Yd.	-	185	185
Class X Concrete	Cu. Yd.	607.2	425.6	1029.6
Furnishing & Erecting Structural Steel	Lump Sum	1	-	1
Furnishing Concrete Piles	Lin. Ft.	-	3578	3578
Furnishing Crossed Piles Up to 20 Feet	Lin. Ft.	-	1442	1442
Drilling Timber Piles	Lin. Ft.	-	4240	4240
Drilling Concrete Piles	Lin. Ft.	-	3578	3578
Test Pile Concrete	Each	-	1	1
Test Pile Timber	Each	-	1	1
Name Plates	Each	-	1	1
Performed Joint Sealer 2 1/2"	Lin. Ft.	137	-	137
Slope Wall (4 Inch)	Sq. Yd.	-	419	419
Protective Coat	Sq. Yd.	629	-	629
Bituminous Core Surface Course, Class I	Ton	113	-	113
Waterproofing Membrane System	Sq. Yd.	4366	-	4366
Stud Shear Connectors	Each	3060	-	3060
Reinforcement Bars	Lb.	165830	56000	221830

DESIGNED	J.M.M.
CHECKED	CEB 10-71
DRAWN	J.M.M. 10-1-71
CHECKED	CEB 10-71

DESIGN STRESSES
 f_c = 1400 psi Curb, Parapet & Substructure
 f_c = 1200 psi Superstructure
 f_t = 75 psi Footing
 f_s = 20,000 psi Reinforcing
 f_s = 20,000 psi Structural
 n = 10
 LL Deflection = 1/800 (Composite)
 LOADING: HS20-44
 Allow 25% for Future W.S.
 Design Specifications, AASHTO 1969
 as applicable

B.M. H-9 - Ill. Division of Highways Monument
 1000 N. Sta. 933+35 (I-72) Elev. 688.28

APPROVED
 FOR STRUCTURAL ADEQUACY ONLY
Carl E. Shannon Jr.
 Registrar of Bridge & Traffic Structures

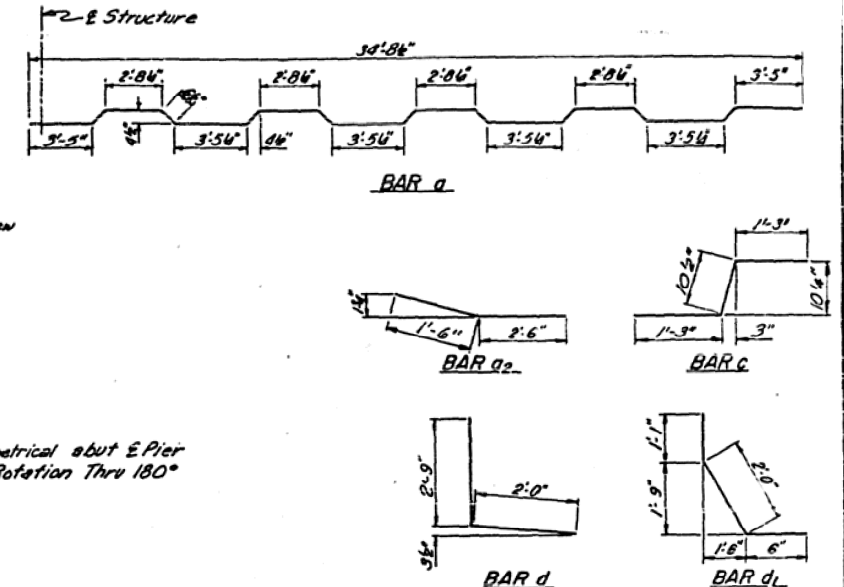
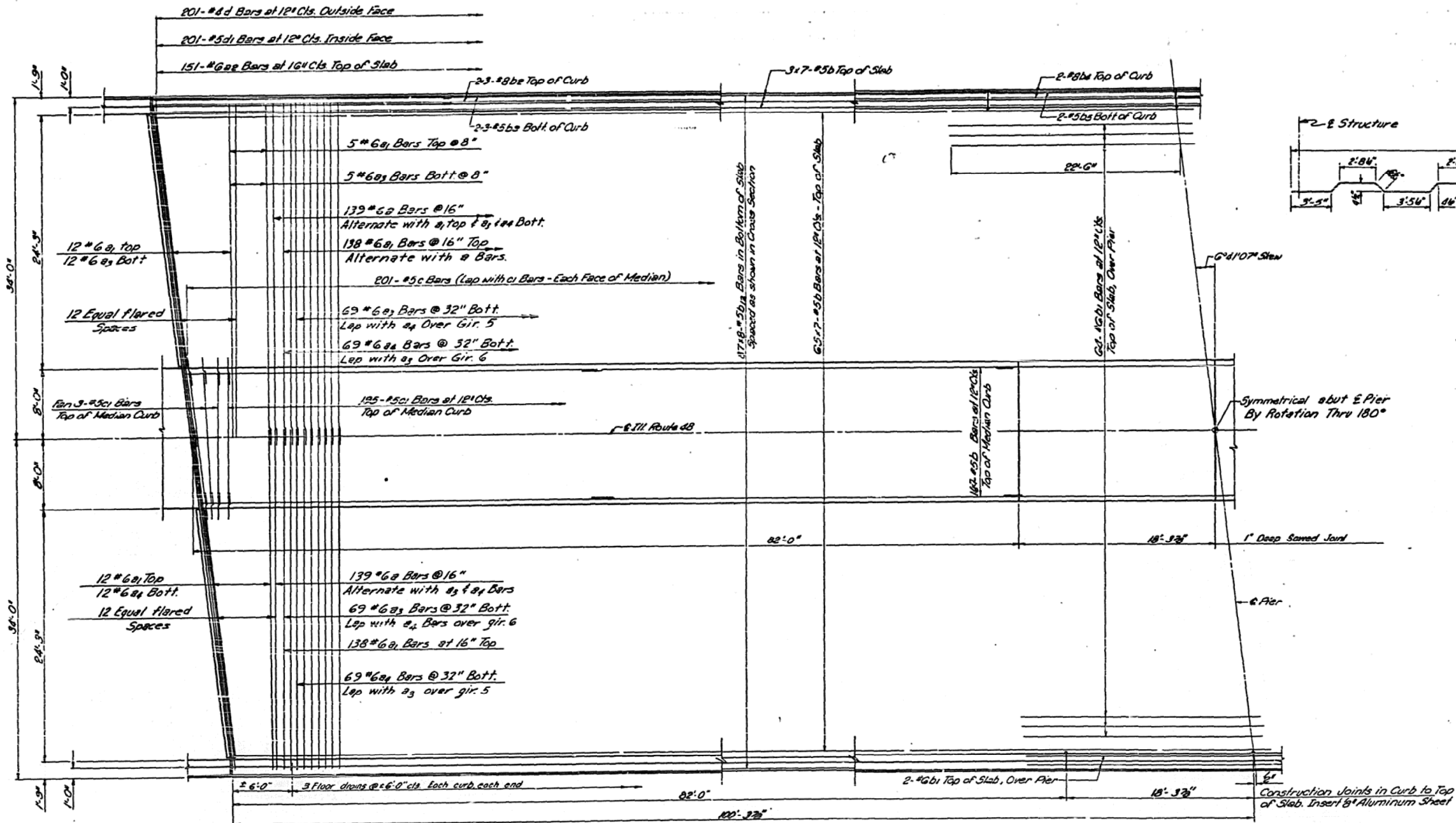


GENERAL PLAN & ELEVATION
 PROJ. I-72-2 (48)52
 F.A.I. 72 SEC. 58-66-HB-2
 MACON & PIATT COUNTIES
 STA. 932+59.22 (F.A.I. 72)

AS-BUILT PLANS - S.N. 074-0055 FOR INFORMATION ONLY

STATE OF ILLINOIS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 6 SHEETS 15
S.B.L. #	58-66 HB-2	MACON PIATT	77	21	
F.A.I. #	ILLINOIS FED. AID PROJECT				

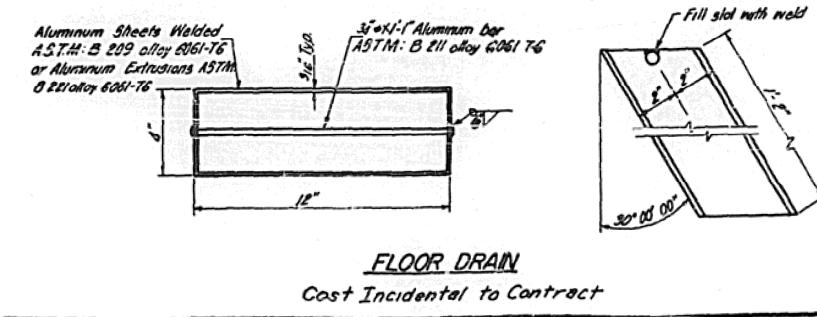
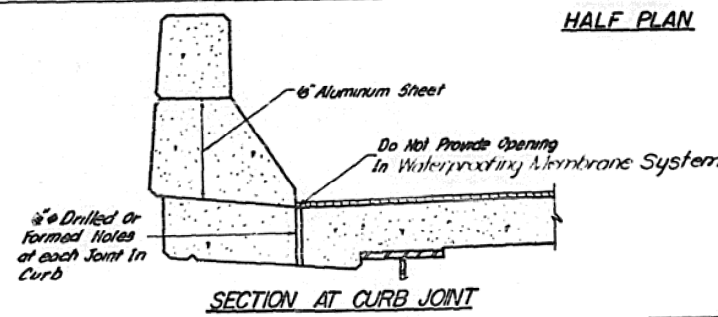


BILL OF MATERIAL

Bar	No	Size	Length	Shape
a	278	#6	36'-2"	
a1	334	#6	33'-9"	
a2	302	#6	4'-0"	
a3	172	#6	30'-3"	
a4	162	#6	37'-3"	
b	609	#5	29'-9"	
b1	69	#6	45'-0"	
b2	24	#8	28'-8"	
b3	24	#5	28'-2"	
b4	8	#8	18'-0"	
b5	8	#5	18'-0"	
b6	696	#5	26'-3"	
c	402	#5	3'-4 1/2"	
c1	201	#5	15'-0"	
d	402	#6	4'-9"	
d1	402	#5	3'-2"	
Reinforcement Bars		Lbs.	103,690	
Class X Concrete		Cu. Yds.	412.0	

* Parapet Reinforcement and Class X Concrete are billed on Sheet #8

SLAB DETAILS
F.A.I.-72 SECTION 58-66-HB-2
MACON & PIATT COUNTIES
STA. 932+59.22 (F.A.I.-72)

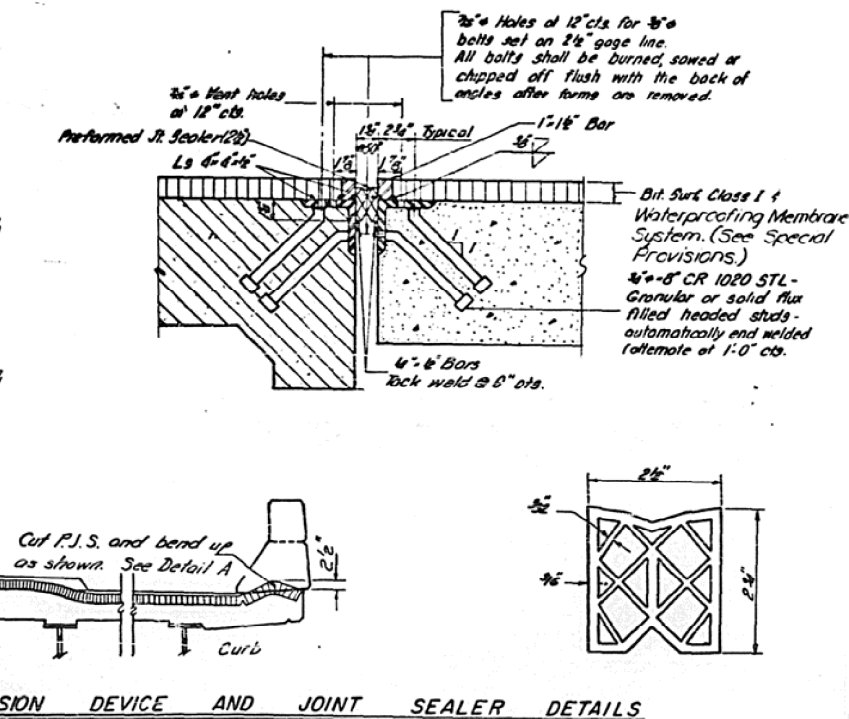
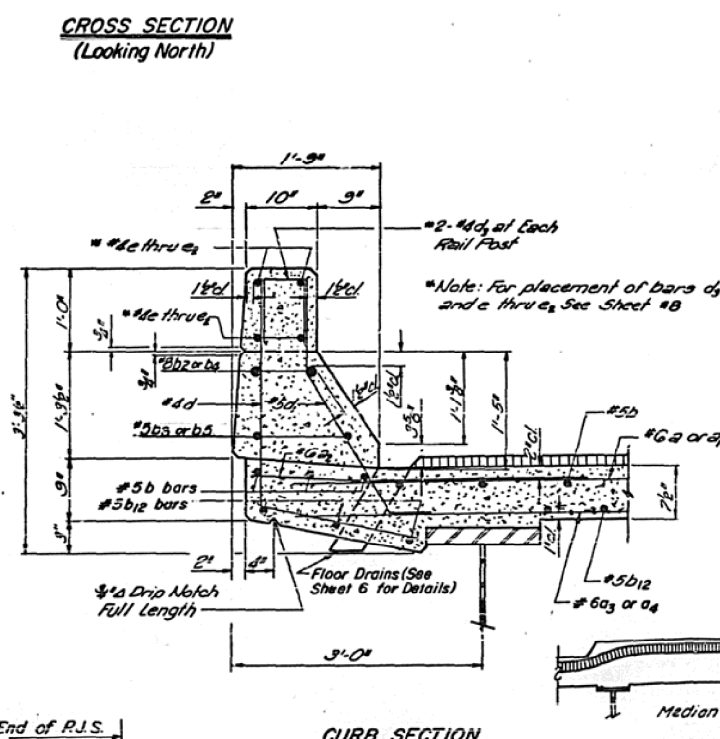
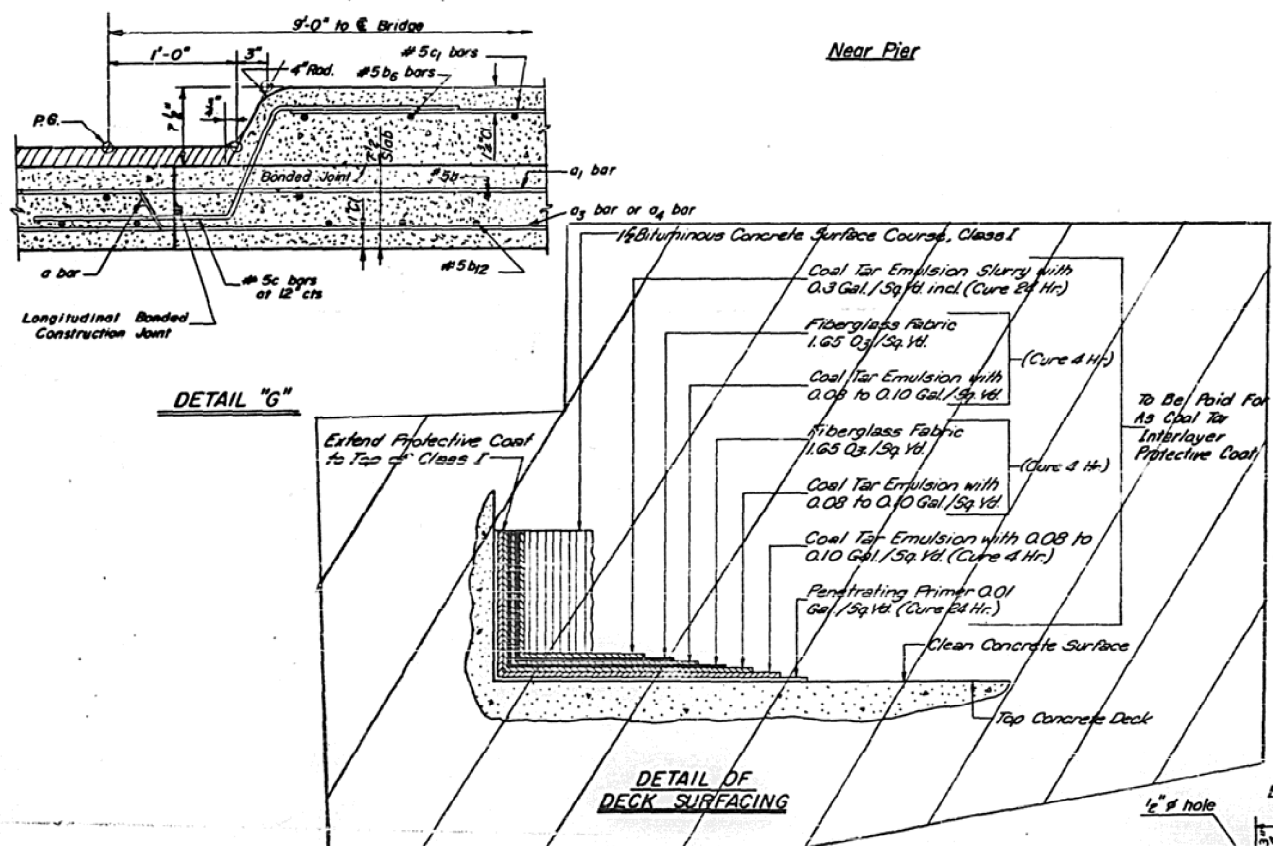
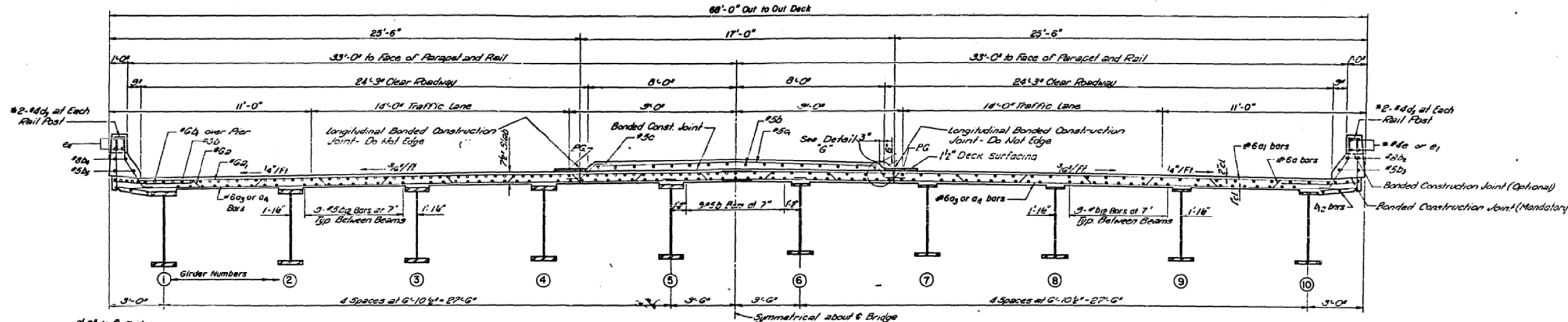


DESIGNED	K.S.V.
CHECKED	S.T.
DRAWN	C.S. 4-26-72
CHECKED	K.S.V.

AS-BUILT PLANS - S.N. 074-0055 FOR INFORMATION ONLY

STATE OF ILLINOIS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 7 SHEETS 15
F.A.I. 72	58-66 HB-1	MACONT PIATT	77	22	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			



DESIGNED	K.S.Y.
CHECKED	J.T.
DRAWN	C.S.
CHECKED	K.S.Y.

**DETAIL A
SEALER CUT-OUT DETAIL**

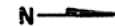
SLAB DETAILS
F.A.I.-72 SECTION 58-66-HB-2
MACON & PIATT COUNTIES
STA. 932+59.22 (F.A.I.-72)

AS-BUILT PLANS - S.N. 074-0055 FOR INFORMATION ONLY

STATE OF ILLINOIS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80-66	HB-2	MACON & PIATT	77	24
F.A. 932+59.22		ILLINOIS	FED. AID PROJECT	

SHEET NO. 9
SHEETS 15



ELEVATIONS TOP OF WEB *

GIRDER	€ Brg. N. S. Abut.	€ Pier	€ SPLICE
1-10	711.97	712.12	712.16
2-9	712.12	712.26	712.30
3-8	712.24	712.37	712.41
4-7	712.35	712.48	712.52
5-6	712.46	712.59	712.63

*For Fabrication Only

MOMENT TABLE

	INTERIOR GIRDER	
	0.4 Span 1	Pier
I_x (IN ⁴)	17060	42083
I_c (IN ⁴)	46289	
S_x (IN ³)	931	1735
S_c (IN ³)	1287	
D (IN)	0.86	1.33
M_R (K)	492	1906
$F_s D$ (KSI)	6.34	13.18
S_B (K)	0.47	
$M_s E$ (K)	319	
$M_s B$ (K)	762	662
$M_s W$ (K)	174	147
Total (K)	1275	809
F_s (KSI)	12.18	5.60
F_s (KSI)	18.52	18.78
VR (K)	602	

REACTION TABLE

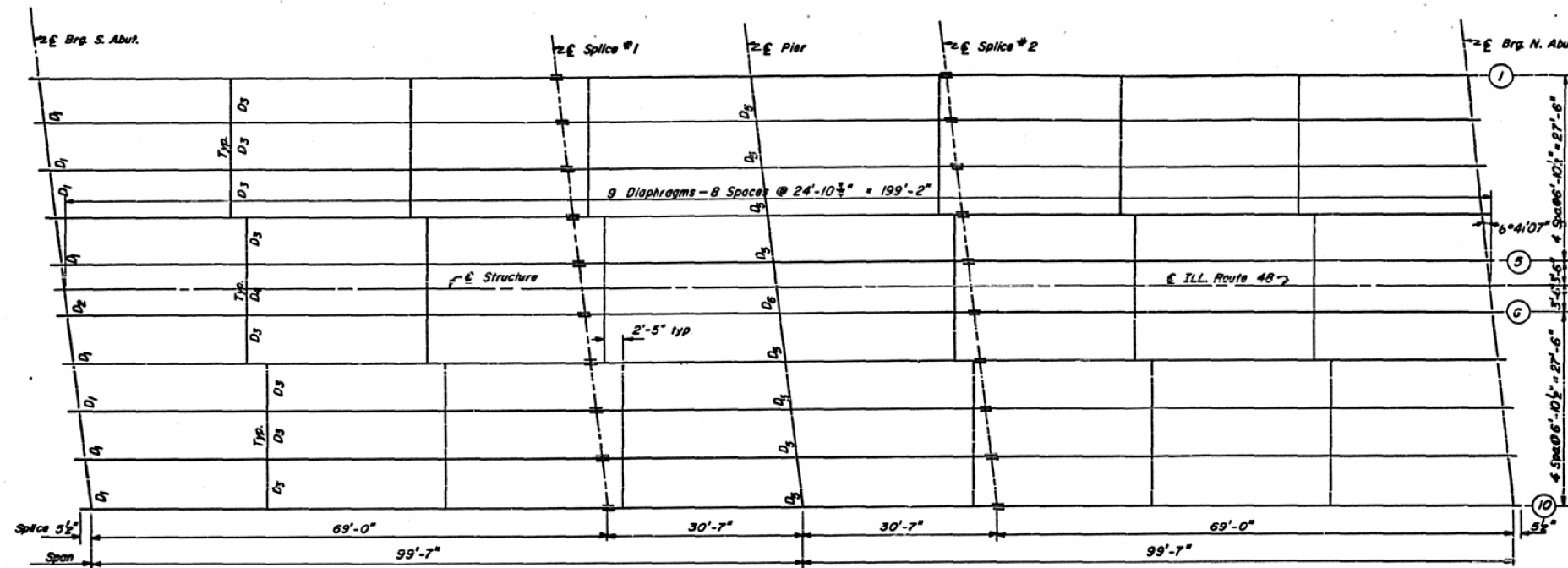
	INTERIOR GIRDER REACTION TABLE	
	Abutment	Pier
R_2 (K)	46.5	173.5
R_L (K)	45.4	65.5
Imp. (K)	10.1	14.5
R Total (K)	102.0	253.5

I_x and S_x are the moment of inertia and section modulus of the steel section.

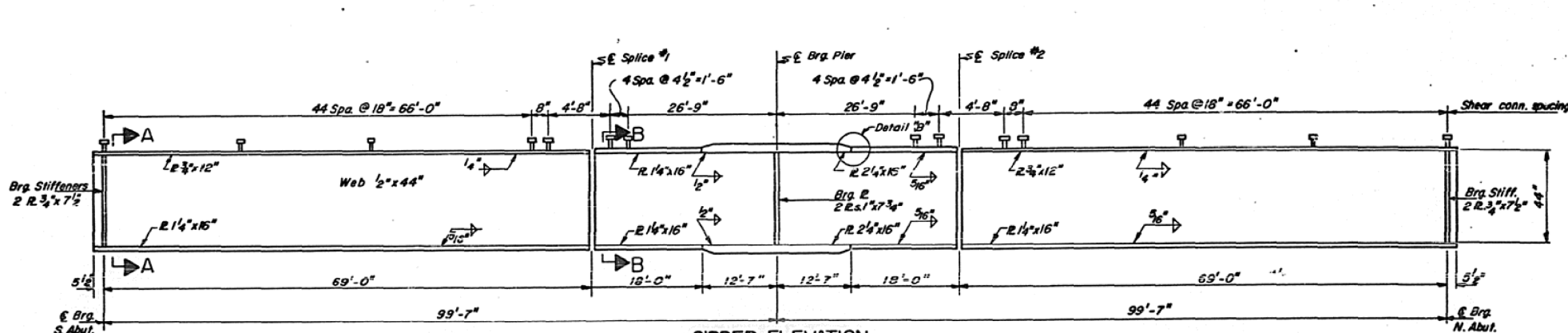
I_c and S_c are the moment of inertia and section modulus of the composite section used in computing F_s .

VR is the maximum \pm I shear range in span used to determine shear stud spacing.

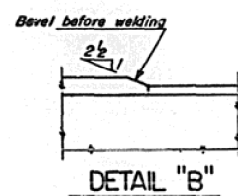
F_s is for LL + Imp. @ Pier
 F_s is for LL + Imp. (n=10) + Comp. D.L. (n=30) 0.4 @ Span 1.



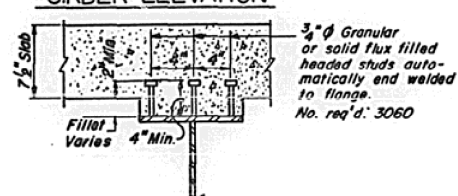
PLAN



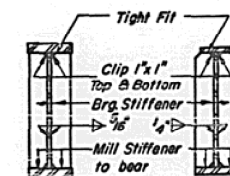
GIRDER ELEVATION



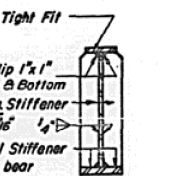
DETAIL "B"



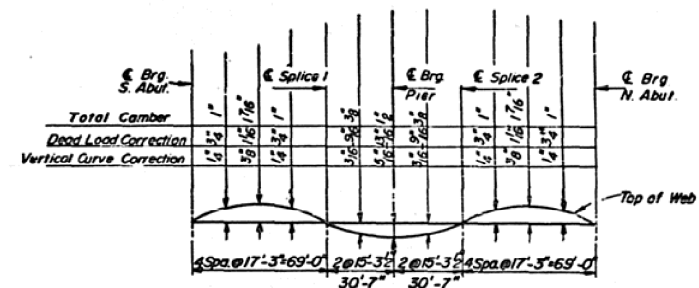
TYPICAL SHEAR CONNECTORS



SECTION AT PIER



SECTION AT ABUTMENT



CAMBER DIAGRAM

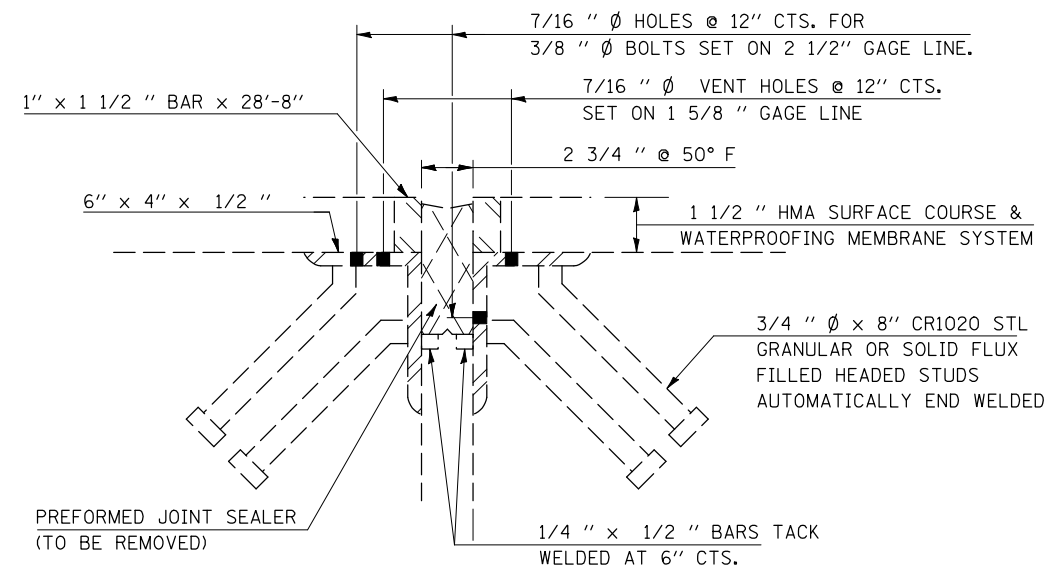
* For Top of Web Elevations at Splices and Bearings. See Table on this sheet.

DESIGNED	KSY, ST, MSS
CHECKED	KSY
DRAWN	MMP
CHECKED	KSY

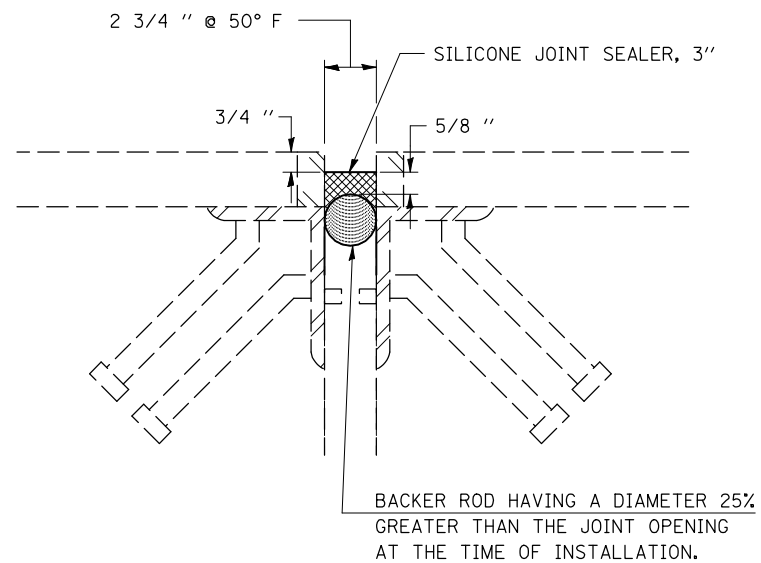
FRAMING DETAILS
F.A.I.-72 SECTION 58-66 HB-2
MACON & PIATT COUNTIES
STA. 932+59.22 (F.A.I.-72)

JOINT REPAIR DETAILS S.N. 074-0058

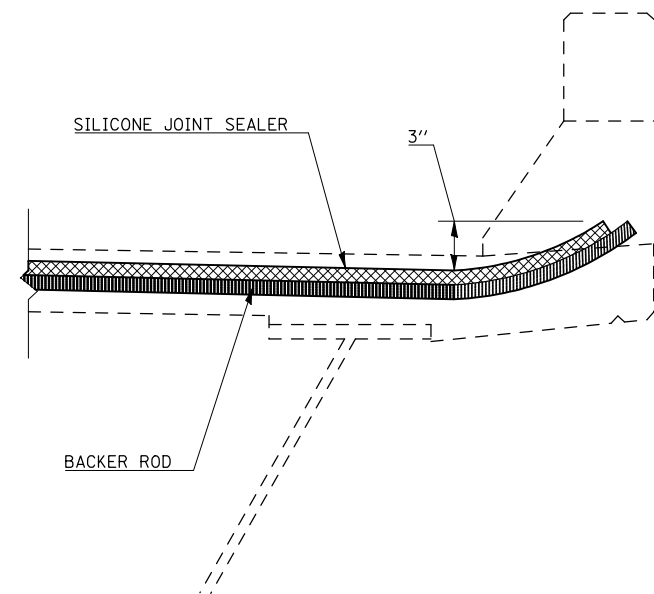
(NORTH AND SOUTH ABUTMENT JOINTS)



EXISTING JOINT



PROPOSED JOINT



SECTION AT PARAPET
SILICONE JOINT SEALER

BILL OF MATERIALS

ITEM	UNIT	TOTAL
SILICONE JOINT SEALER, 3"	FOOT	62.4

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

REMOVE EXISTING PREFORMED JOINT SEALER AND REPLACE WITH SILICONE JOINT SEALER AT ABUTMENTS. REMOVAL OF THE EXISTING PREFORMED JOINT SEALER IS INCLUDED IN THE COST OF SILICONE JOINT SEALER.

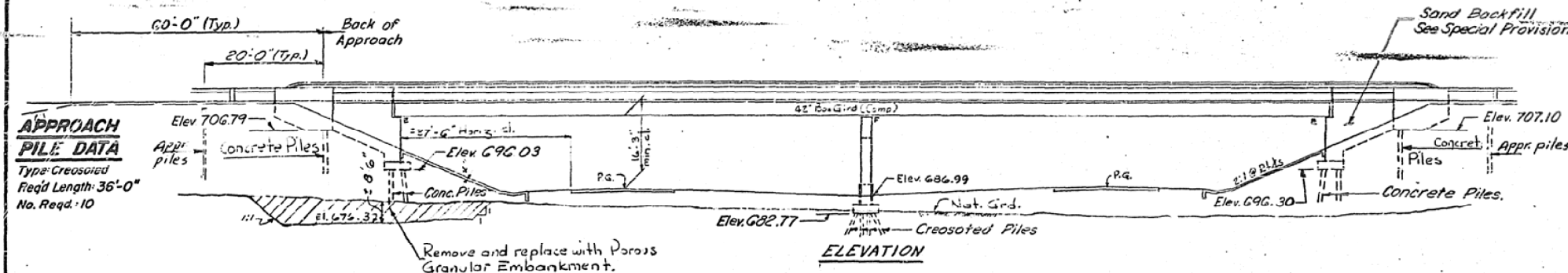
FILE NAME =	USER NAME = ppersonbr	DESIGNED - GMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOINT REPAIR DETAILS S.N. 074-0058			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\personbr\d0109687\700	22-Bridge Repair Plan.dgn	DRAWN - GMS	REVISED -		72	(58,74-66)&(74-67&68)RS-1	PIATT	251	153			
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 70022			ILLINOIS FED. AID PROJECT				
PLOT DATE = 2/8/2010	DATE -	REVISED -	REVISED -		SCALE:	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.				

AS-BUILT PLANS - S.N. 074-0058 FOR INFORMATION ONLY

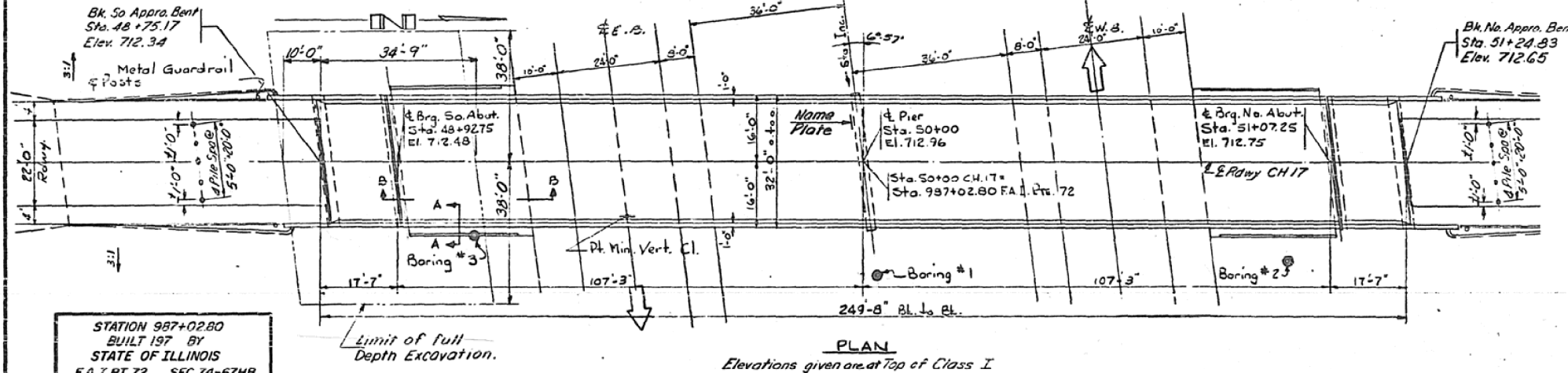
B.M. Chisled N. End of W. Headwall of Box Culvert 385' N. of Sta. 987+16 Elev. 686.00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

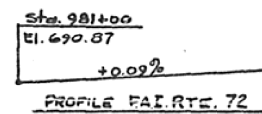
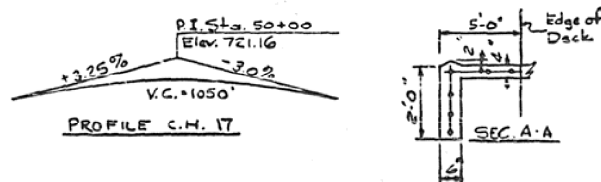
SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	74-67	PIATT	38	10
13 SHEETS				



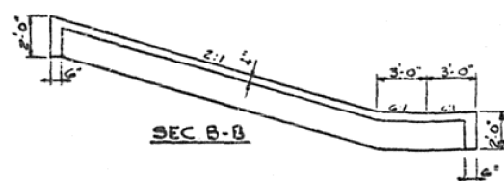
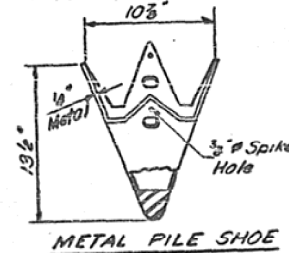
APPROACH PILE DATA
Type: Creosoted
Reqd Length: 36'-0"
No. Reqd: 10



STATION 987+02.80
BUILT 197 BY
STATE OF ILLINOIS
F.A.I. RTE. 72 SEC. 74-67HB
PROJ. I-72-240
LOADING HS15
See Standard 2113-1
NAME PLATE



DESIGN STRESSES
 $f_c = 1200$ psi. (Deck Slab - Main Spans)
 $f_c = 1400$ psi. (Curb, parapet, sub. & Appr. Spans)
 $f_s = 20,000$ psi. (Reinf.)
 $f_s = 20,000$ psi. (Struct.)
 $v_c = 75$ psi. (Ftgs.)
 $n = 10$



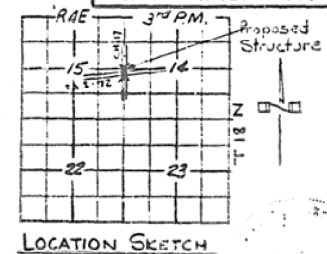
GENERAL NOTES

- All reinforcement bars shall be lapped 24 diameters unless otherwise shown.
- Fasteners shall be high strength bolts. Bolts $\frac{7}{8}$ " ϕ ; open holes $1\frac{1}{8}$ " ϕ , unless otherwise noted.
- The Basic Lead Silico Chromate paint system shall be used for shop and field painting of structural steel.
- Field welding of construction accessories will not be permitted to the bottom flange of beams or girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.
- Anchor bolts shall be set before erection of box girder.
- Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 58# per 100 sq. ft.
- The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.
- The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Normal Concrete.
- Protective Coat shall not be applied to surfaces to which Cool Tar Interlayer Protective Coat is applied.
- Calculated weight of Structural Steel = 222,450 lbs.
- All interior surfaces of box girders shall be given two shop coats of paint and spot painted in the field after cross frames and forms have been removed.
- Concrete piles at abutments and approach bents shall be driven in holes precored through the embankment in accordance with Article 513.09 (c) of the Standard Specifications.
- The contractor shall drive one timber test pile at the pier, one concrete test pile at South Abutment, and one concrete test pile at North Approach Bent, in permanent locations, as directed by the Engineer before ordering the remainder of piles.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Bituminous Concrete Surface Course, Class I	Tcms	63		63
Structure Excavation	Cu. Yds.		32	32
Cool Tar Interlayer Protective Coat	Sq. Yds.	792		792
Protective Coat	Sq. Yds.	191		191
Class X Concrete	Cu. Yds.	261.1	183.4	444.5
Structural Steel	L.S.			LS
Stud Shear Connector	Each	1520		1520
Aluminum Railing	Lin. Ft.	515		515
Reinforcement Bars	Lbs.	61,020	18,210	79,230
Creosoted Piles (Up to 20')	Lin. Ft.		620	620
Concrete Piles	Lin. Ft.		1763	1763
Test Piles (Timber)	Each		1	1
Test Piles (Concrete)	Each		2	2
Name Plates	Each		1	1
Slope Wall (4")	Sq. Yds.		350	350
Sand Backfill	Cu. Yds.		134	134
Porous Granular Embankment	Cu. Yds.		1415	1415
Prefabricated Joint Sealer 4"	Lin. Ft.	65		65
Metal Shoes	Each		41	41
Earth Excavation	Cu. Yds.		1415	1415
Creosoted Piles (20.1' to 38')	Lin. Ft.		350	350

DESIGNED: Sub. J. J. J.
 CHECKED: M. H. H.
 DRAWN: P. B. B.
 CHECKED: W. H. H.



GENERAL PLAN & ELEVATION
 PROJ. I-72-240
 CH. 17 OVER F.A.I. 72
 F.A.I. RTE. 72 SECTION 74-67HB
 PIATT COUNTY
 STA. 50+00 (CH. 17)
 STA. 987+02.80 (F.A.I. 72)

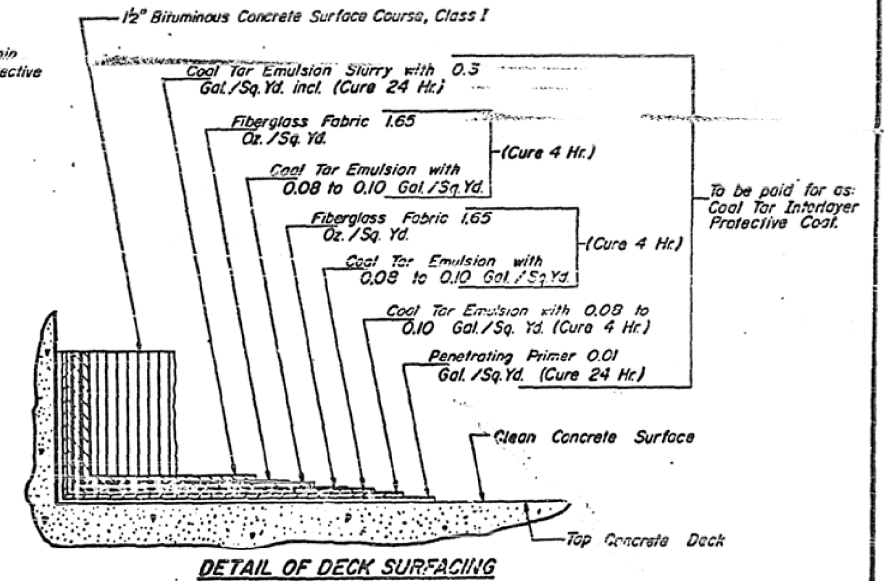
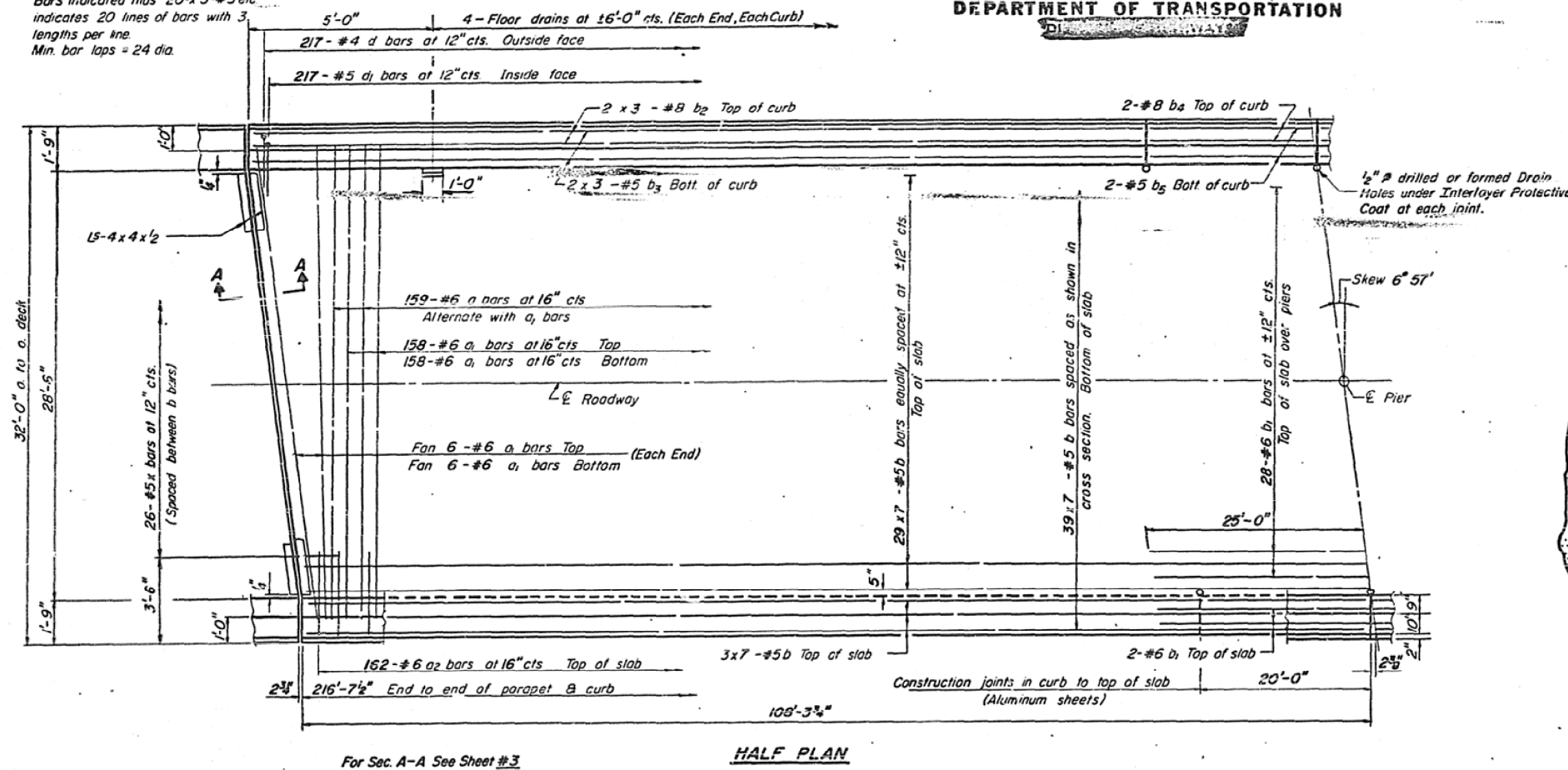
AS-BUILT PLANS - S.N. 074-0058 FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 2	13 SHEETS
PIATT	38 11

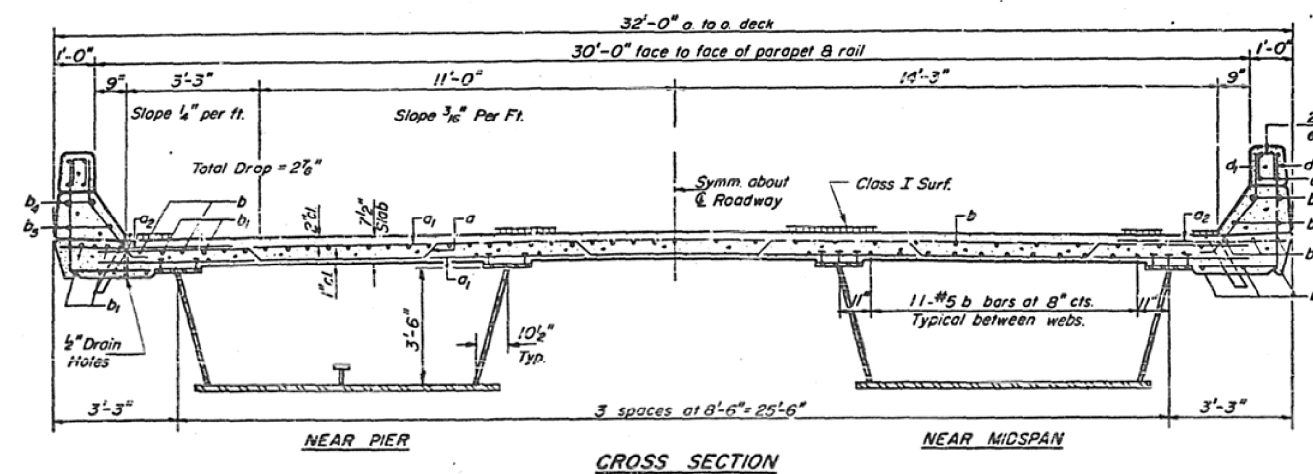
NOTE:

Bars indicated thus 20-x3-#5 etc. indicates 20 lines of bars with 3 lengths per line. Min. bar laps = 24 dia.

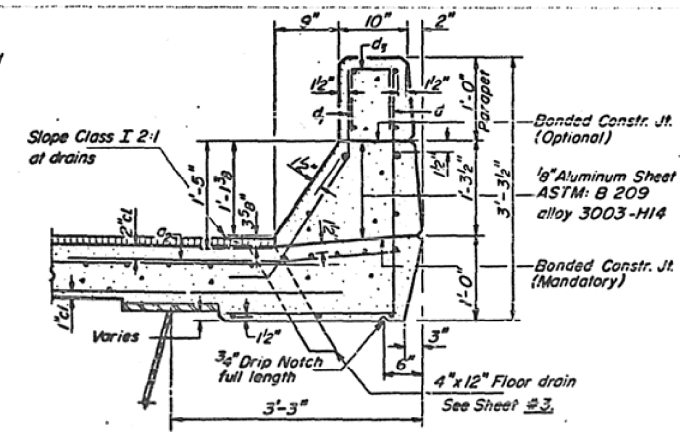


BILL OF MATERIALS

Bar	No	Size	Length	Notes
a	159	#6	31'-0"	
a1	340	#6	30'-0"	
a2	324	#6	4'-0"	
b	518	#5	32'-3"	
b1	32	#6	50'-0"	
b2	24	#8	30'-9"	
b3	24	#5	30'-3"	
b4	8	#8	19'-9"	
b5	8	#5	19'-9"	
d	434	#4	5'-0"	
d1	434	#5	3'-6"	
x	52	#5	5'-9"	
Reinforcement Bars				Lbs. 51,160
Class X Concrete				Cu. Yds. 205.3



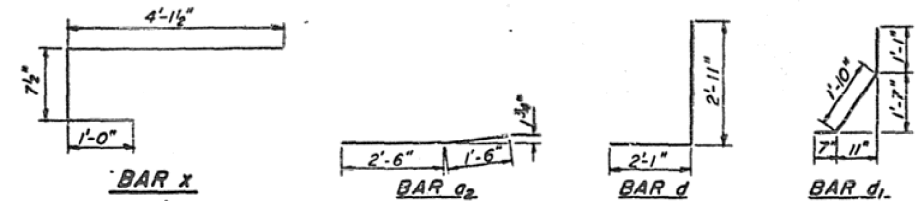
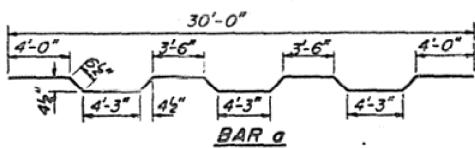
NOTE: For placement of bars d3 and a1 thru a2 see sheet #4.



Parapet Reinforcement and Class X Concrete are billed on sheet #4.

DESIGNED: Sal Zeman	EXAMINED: [Signature]
CHECKED: [Signature]	PASSED: [Signature]
DRAWN: P Barnett S F.	APPROVED: [Signature]
CHECKED: [Signature]	

S-4-R(15) 4-22-68, 12-3-69

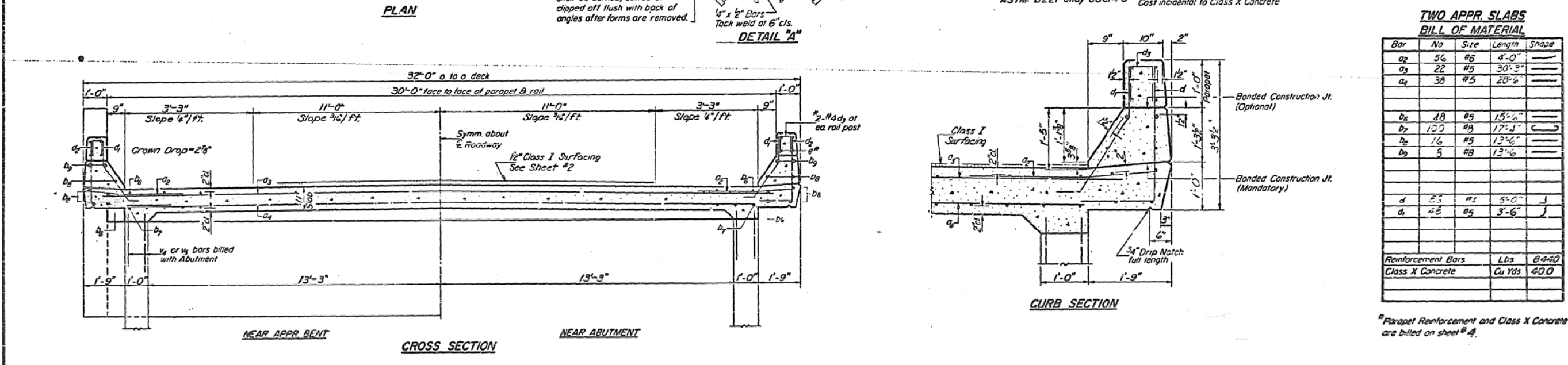
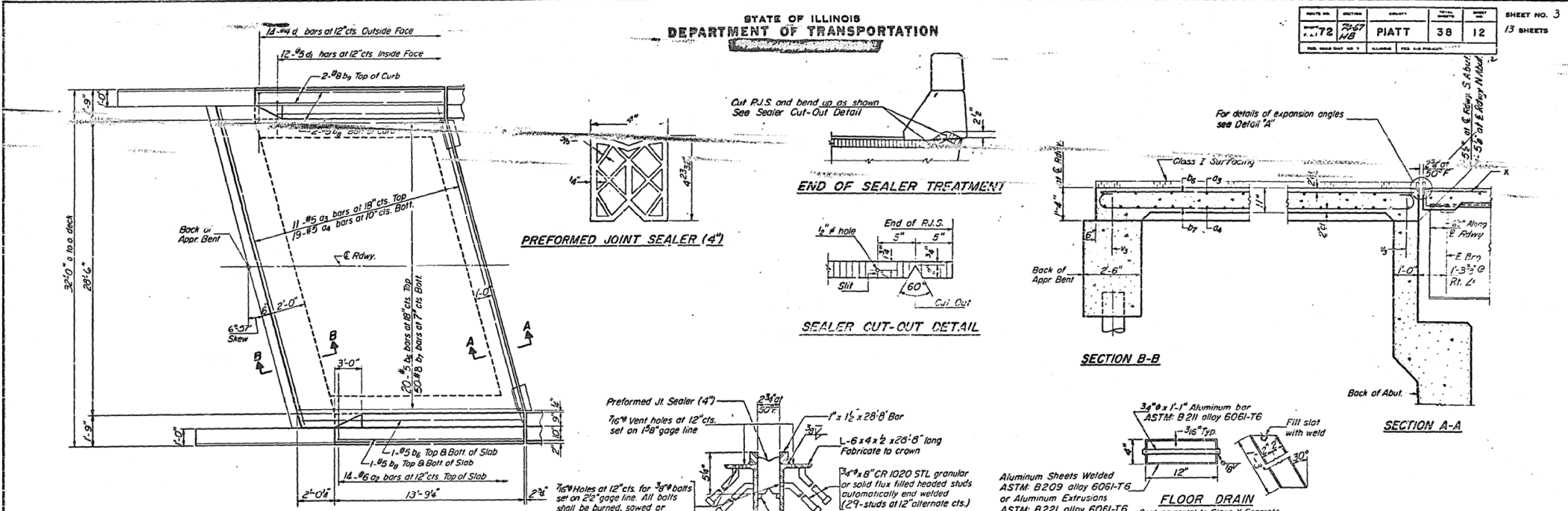


SUPERSTRUCTURE
F.A.I. RT 72 SEC 74-67HB
PIATT COUNTY
STA. 987+02.80

AS-BUILT PLANS - S.N. 074-0058 FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

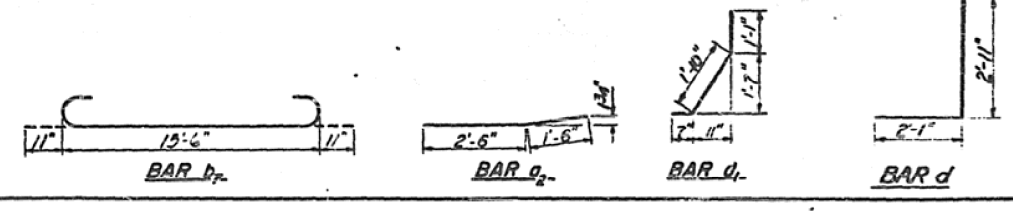
SHEET NO. 3				13 SHEETS
ROUTE NO. 72	SECTION 74-67/11B	COUNTY PIATT	SHEET NO. 38	12



**TWO APPR. SLABS
BILL OF MATERIAL**

Bar	No	Size	Length	Shape
a ₂	56	#6	4'-0"	—
a ₃	22	#5	30'-9"	—
a ₄	38	#5	28'-6"	—
b ₆	18	#5	15'-2"	—
b ₇	100	#8	17'-4"	—
b ₈	16	#5	13'-6"	—
b ₉	5	#8	13'-6"	—
d	53	#2	5'-0"	J
d ₁	42	#5	3'-6"	J
Reinforcement Bars				LDs B-440
Class X Concrete				Cu Yds 400

DESIGNED: Sol ...
 CHECKED: ...
 DRAWN: C.E. Wilkins S. 7
 CHECKED: W.H.
 EXAMINED: ...
 PASSED: ...
 APPROVED: ...
 DATE: SEPT. 28 1912
 SAS-R (E30) 3-1-69



**APPROACH SLAB
FAI RT. 72 SEC. 74-67/11B
PIATT COUNTY
STA. 537+02.00**

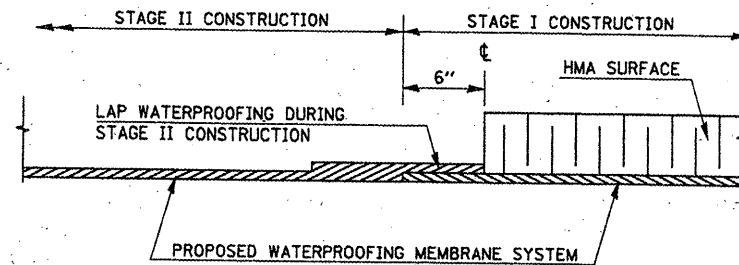
THE EXISTING OVERHEAD STRUCTURE WAS BUILT IN 1975 BY THE STATE OF ILLINOIS AS F.A.I. ROUTE 72, SECTION 74-68 HB AT STATION 1256+11.76 IN PIATT COUNTY. THE SUPERSTRUCTURE CONSISTS OF FIVE 48" P.P.C. I-BEAMS SUPPORTING A 7" R.C. SLAB. THE DECK HAS A 1 1/2" H.M.A. WEARING SURFACE WITH A WATERPROOFING MEMBRANE SYSTEM. THE SUPERSTRUCTURE IS SUPPORTED BY TWO STEM ABUTMENTS ON CONCRETE PILES AND ONE TRAPEZOIDAL PIER ON A SPREAD FOOTING WITH CONCRETE PILES. THE STRUCTURE MEASURES 213'-0" FROM BACK TO BACK OF ABUTMENT AND 248'-0" FROM BACK TO BACK OF APPROACH BENT. THE DECK HAS A CLEAR WIDTH OF 26'-6" AND AN OUT-TO-OUT WIDTH OF 30'-0".

METHOD OF CONSTRUCTION: STAGE CONSTRUCTION
SEE PROPOSED IMPROVEMENTS ON THIS SHEET.

GENERAL PLAN S.N. 074-0062



WATERPROOFING TREATMENT AT STAGE CONSTRUCTION



PROPOSED WORK

1. REMOVAL AND REPLACEMENT OF THE EXISTING H.M.A. WEARING SURFACE AND WATERPROOFING MEMBRANE SYSTEM.
2. PARTIAL DEPTH DECK PATCHING.
3. REMOVE THE EXISTING NEOPRENE EXPANSION DEVICES AND REPLACE WITH SILICONE JOINT SEALER AND POLYMER CONCRETE NOSING.
4. EXTEND OR PLUG FLOOR DRAINS.

LEGEND

- H.M.A. SURFACE REMOVAL, DECK & PROPOSED 1 1/2" HMA WEARING SURFACE AND WATERPROOFING MEMBRANE SYSTEM
- H.M.A. SURFACE REMOVAL, DECK & PROPOSED 1 3/4" HMA WEARING SURFACE OVER APPROACHES
- EXISTING FLOOR DRAIN TO BE EXTENDED
- EXISTING FLOOR DRAIN TO BE PLUGGED

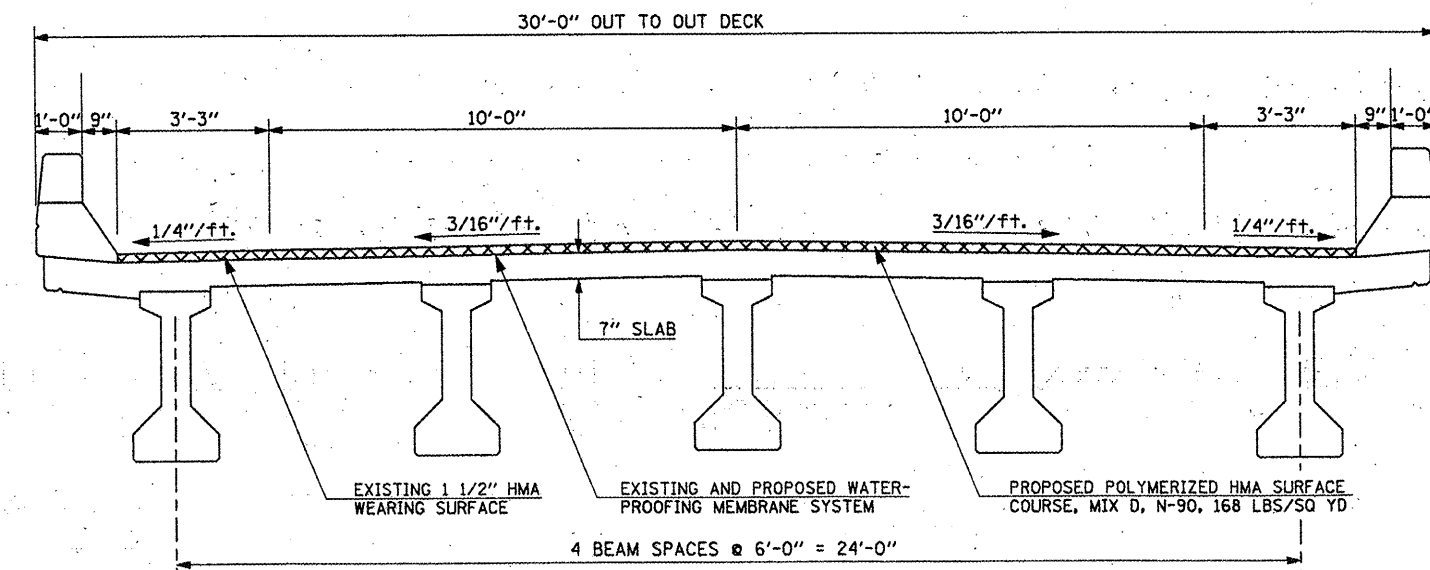
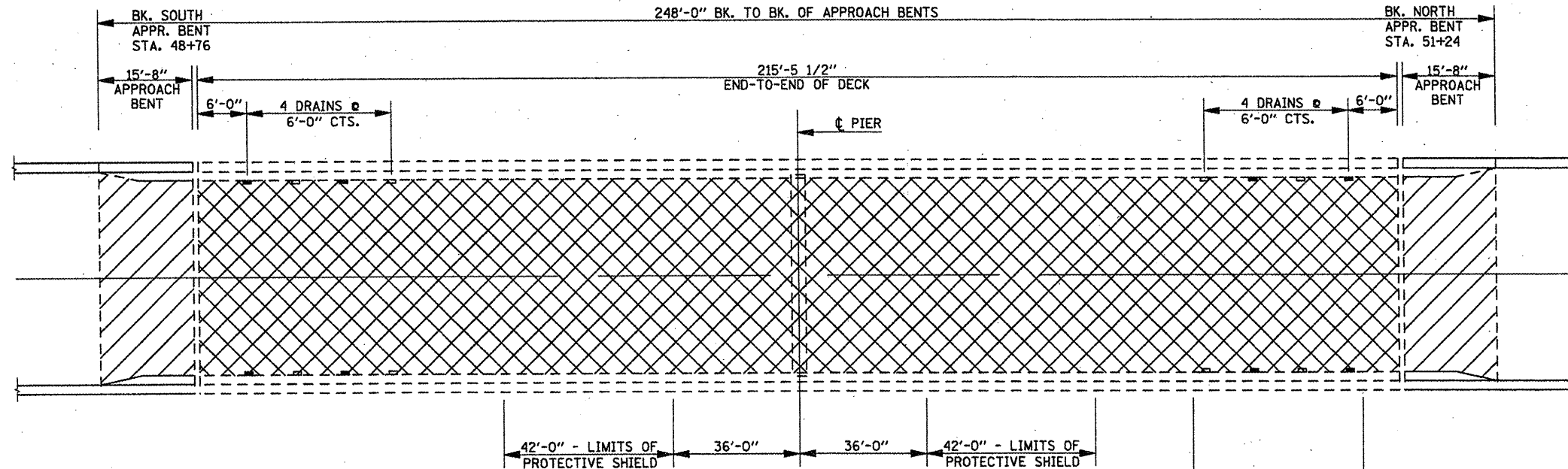
TOTAL BILL OF MATERIALS

ITEM	UNIT	TOTAL
HMA SURFACE REMOVAL (DECK)	SQ YD	726.7
WATERPROOFING MEMBRANE SYSTEM	SQ YD	642.4
POLYMERIZED HMA SURFACE COURSE, MIX D, N-90	TON	62.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	95.0
SILICONE JOINT SEALER, 1 1/2"	FOOT	56.0
POLYMER CONCRETE	CU FT	6.9
FLOOR DRAIN EXTENSION	EACH	8.0
PLUG EXISTING DECK DRAINS	EACH	8.0
PROTECTIVE SHIELD	SQ YD	224.0

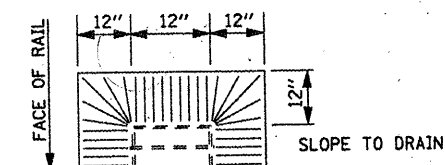
GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

THE DECK SLAB REPAIR, PARTIAL QUANTITY IS ESTIMATED AND THE ACTUAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER AFTER THE H.M.A. WEARING SURFACE AND WATERPROOFING MEMBRANE ARE REMOVED.

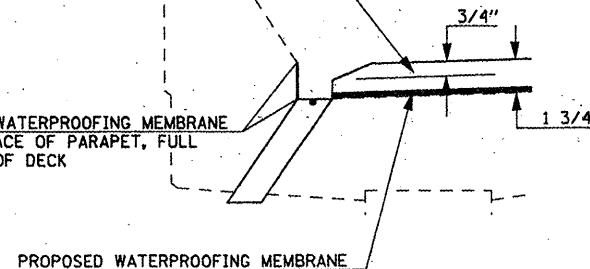


POLYMERIZED H.M.A. AROUND DRAINS SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER.

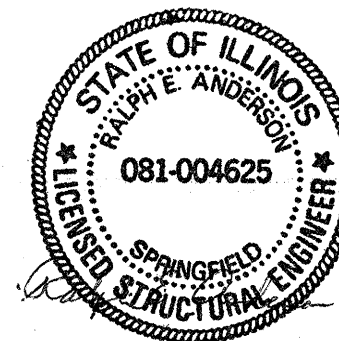


PLAN VIEW AT DRAIN

EXTEND WATERPROOFING MEMBRANE 2" UP FACE OF PARAPET, FULL LENGTH OF DECK



SECTION AT DRAIN



Expires 11/30/2010

FILE NAME =	USER NAME = pieranbr	DESIGNED - GMS	REVISED -
22-Bridge Repair Plan.dgn		DRAWN - GMS	REVISED -
PLOT SCALE = 48.0000 / IN.		CHECKED -	REVISED -
PLOT DATE = 2/6/2010		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
S.N. 074-0062

SCALE: SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(58,74-66)&(74-67&68)RS-1	PIATT	251	157
CONTRACT NO. 70022				
ILLINOIS FED. AID PROJECT				

AS-BUILT PATCHING PLAN S.N. 074-0062

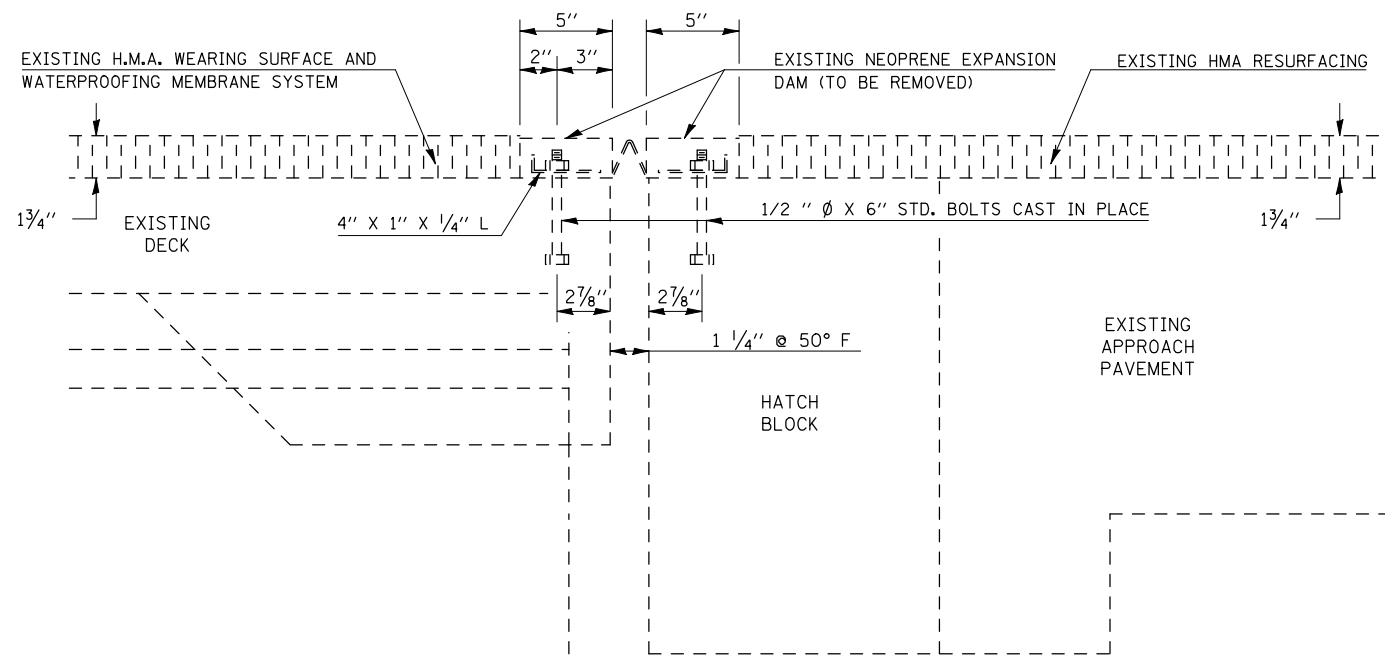


NOTE
 AREA OF DECK SLAB REPAIR (PARTIAL) HAS BEEN ESTIMATED. THE ACTUAL QUANTITY AND LOCATIONS SHALL BE DETERMINED BY THE ENGINEER AFTER THE EXISTING H.M.A. WEARING SURFACE AND WATERPROOFING MEMBRANE ARE REMOVED. THE ENGINEER SHALL SHOW THE ACTUAL LOCATIONS OF THE DECK REPAIRS ON THIS SHEET.

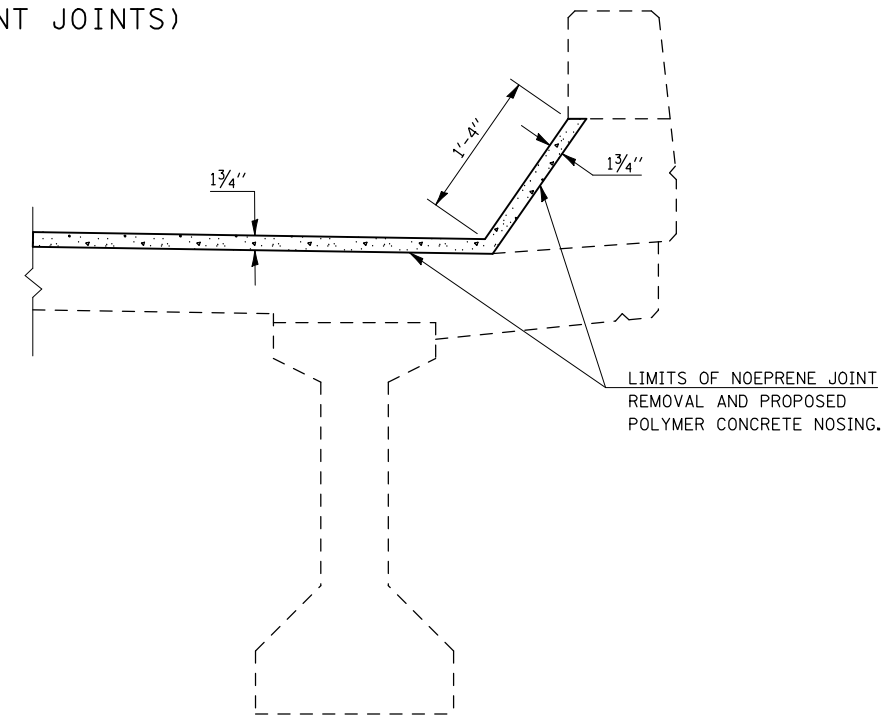
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		DRAWN - GMS	REVISED -		SCALE:	SHEET NO. 2 OF 6 SHEETS	STA.	TO STA.	72	(58,74-66)&(74-67&68)RS-1	PIATT	251	158
		PLOT SCALE = 40.0000' / IN.	CHECKED -						CONTRACT NO. 70022				
		PLOT DATE = 2/8/2010	DATE -						ILLINOIS FED. AID PROJECT				

JOINT REPAIR DETAILS S.N. 074-0062

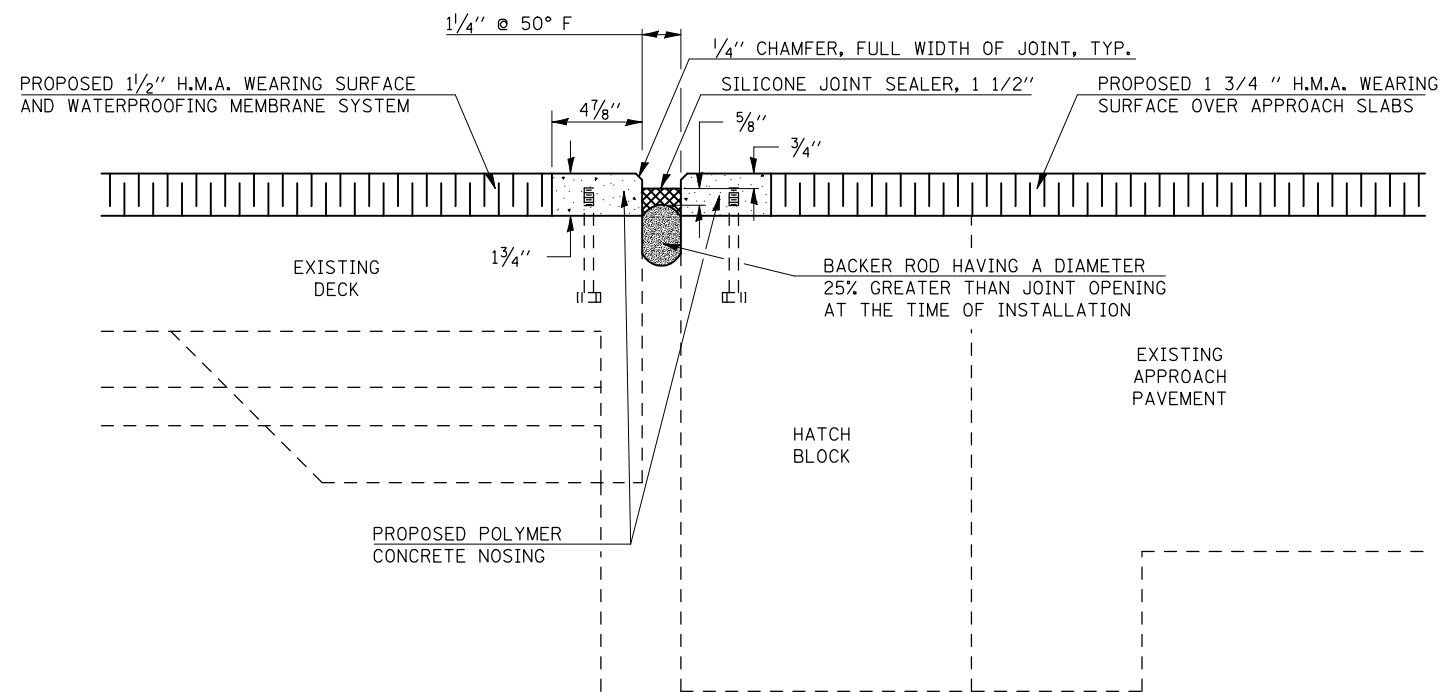
(NORTH AND SOUTH ABUTMENT JOINTS)



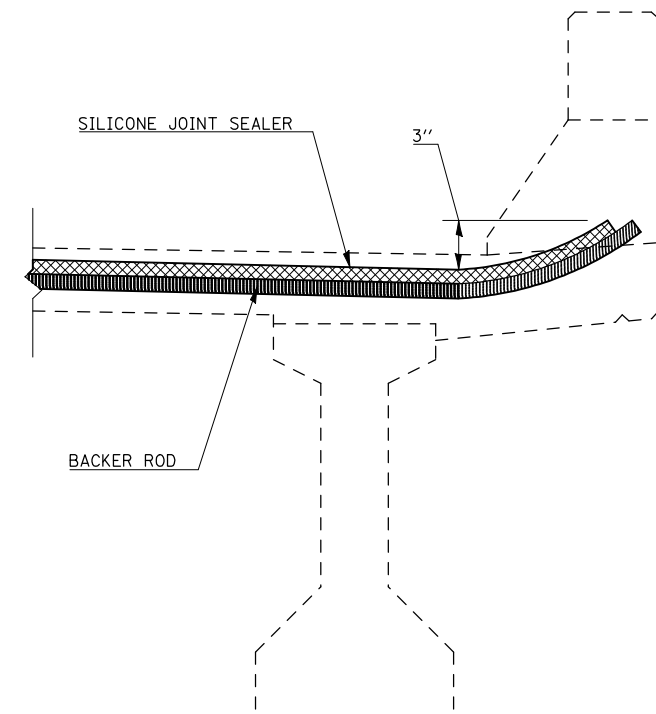
SECTION AT EXISTING JOINT



SECTION AT PARAPET
POLYMER CONCRETE NOSING



SECTION AT PROPOSED JOINT



SECTION AT PARAPET
SILICONE JOINT SEALER

NOTES

REMOVE EXISTING NEOPRENE EXPANSION DAM AND REPLACE WITH SILICONE JOINT SEALER AND POLYMER CONCRETE NOSING.

REMOVAL OF THE EXISTING NEOPRENE EXPANSION DAM IS INCLUDED IN THE COST OF SILICONE JOINT SEALER, 1 1/2".

BILL OF MATERIALS

ITEM	UNIT	TOTAL
SILICONE JOINT SEALER, 1 1/2"	FOOT	56.0
POLYMER CONCRETE	CU FT	6.9

FILE NAME =	USER NAME = ppersonbr	DESIGNED - GMS	REVISED -
ct:\pw\work\p\dot\personbr\d0109687\70022-Bridge Repair Plan.dgn		DRAWN - GMS	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/8/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

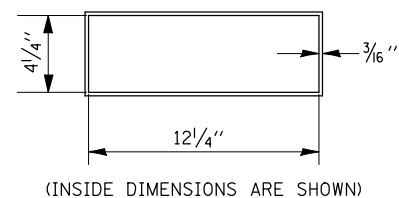
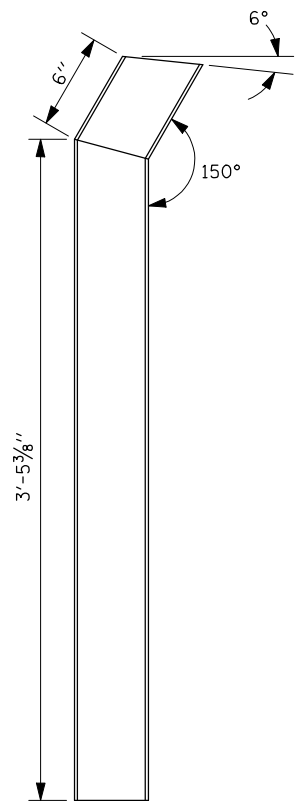
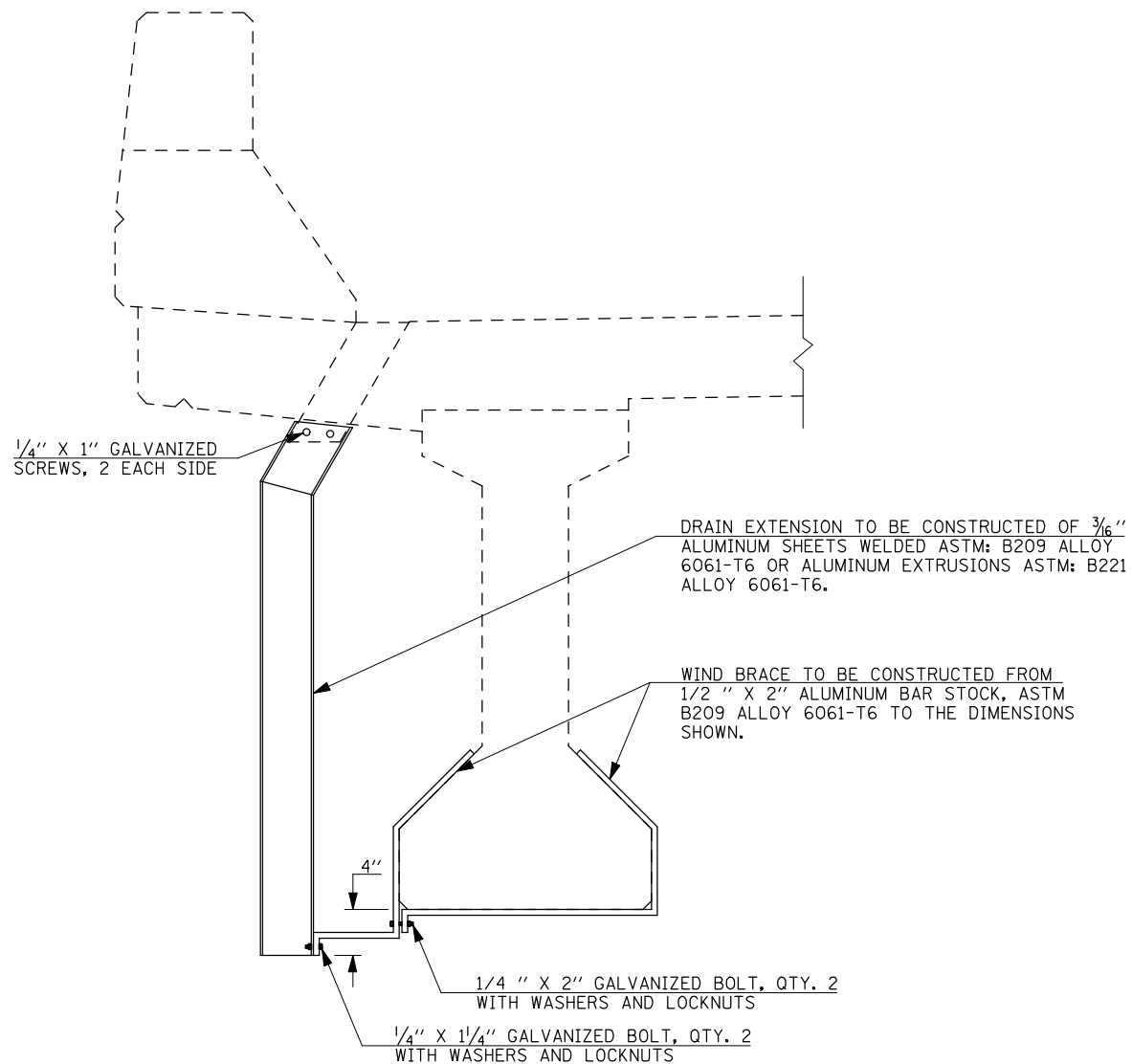
**JOINT REPAIR DETAILS
S.N. 074-0062**

SCALE: SHEET NO. 3 OF 6 SHEETS STA. TO STA.

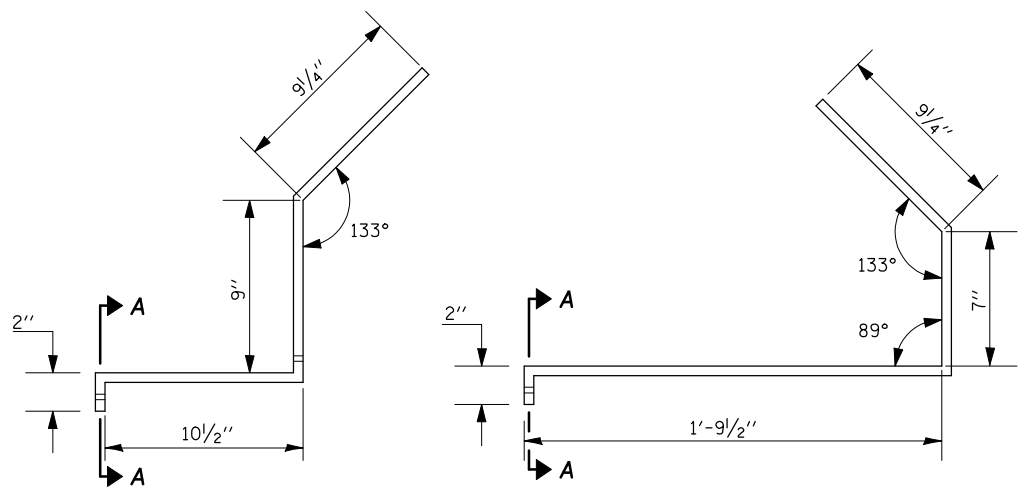
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(58,74-66)&(74-67&68)RS-1	PIATT	251	159
CONTRACT NO. 70022				
ILLINOIS FED. AID PROJECT				

DRAIN REPAIR DETAILS

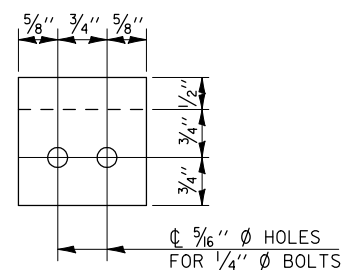
S.N. 074-0062



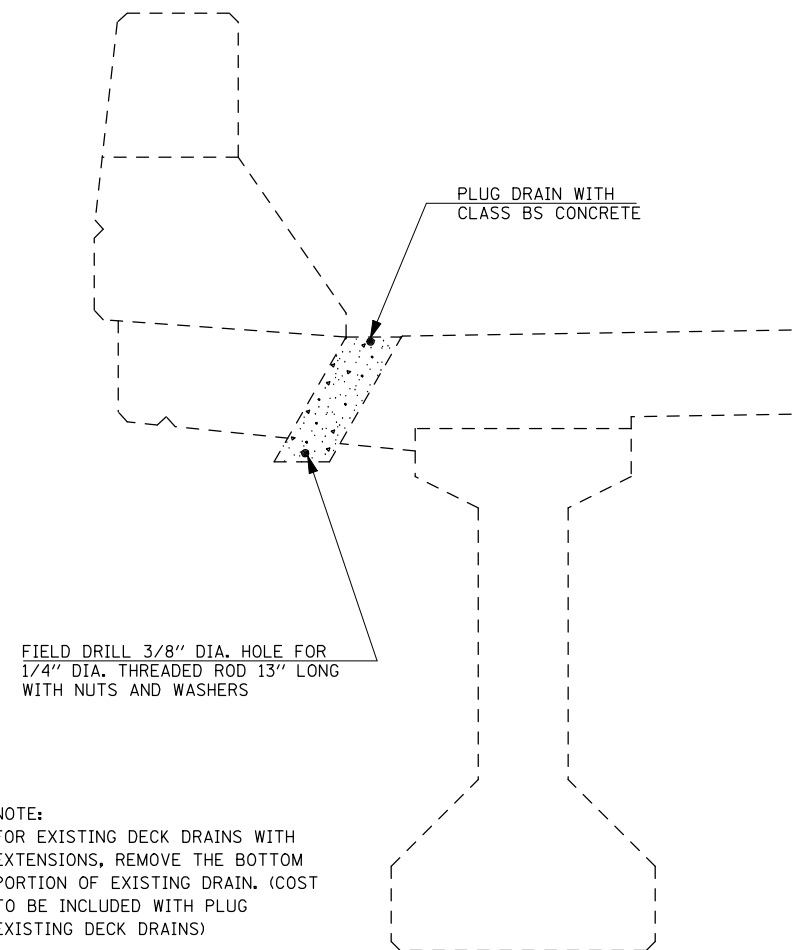
EXTENSION DETAILS



WIND BRACE DETAILS



SECTION A-A



NOTE:
FOR EXISTING DECK DRAINS WITH EXTENSIONS, REMOVE THE BOTTOM PORTION OF EXISTING DRAIN. (COST TO BE INCLUDED WITH PLUG EXISTING DECK DRAINS)

DETAIL FOR PLUG EXISTING DECK DRAINS

NOTE:

EXISTING DRAINS HAVE BEEN EXTENDED. HOWEVER, EXISTING EXTENSIONS ARE NOT OF SUFFICIENT LENGTH. THE EXISTING EXTENSIONS SHALL BE REMOVED PRIOR TO THE PLACEMENT OF THE PROPOSED. (COST TO BE INCLUDED WITH FLOOR DRAIN EXTENSION OR PLUG EXISTING DECK DRAIN)

BILL OF MATERIALS

ITEM	UNIT	TOTAL
FLOOR DRAIN EXTENSION	EACH	8.0
PLUG EXISTING DECK DRAINS	EACH	8.0

FILE NAME =	USER NAME = ppersonbr	DESIGNED - GMS	REVISED -
ct:\pwork\pwork\personbr\d0109687\70022-Bridge Repair Plan.dgn		DRAWN - GMS	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 2/8/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAIN REPAIR DETAILS
S.N. 074-0062**

SCALE: SHEET NO. 4 OF 6 SHEETS STA. TO STA.

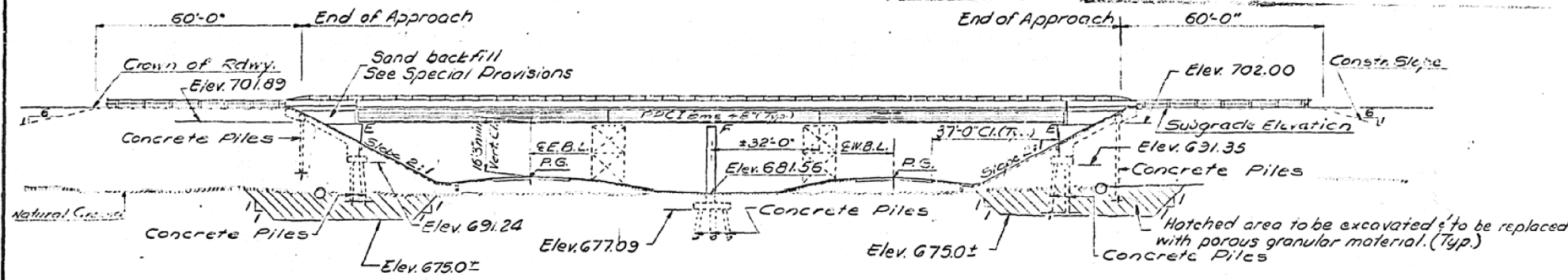
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(58,74-66)&(74-67&68)RS-1	PIATT	251	160
CONTRACT NO. 70022				
ILLINOIS FED. AID PROJECT				

AS-BUILT PLANS - S.N. 074-0062 FOR INFORMATION ONLY

B.M. 35, 3" Concrete filled Iron Pipe on the East side of TR 40A, 1100'S. of Sta. 1256+72

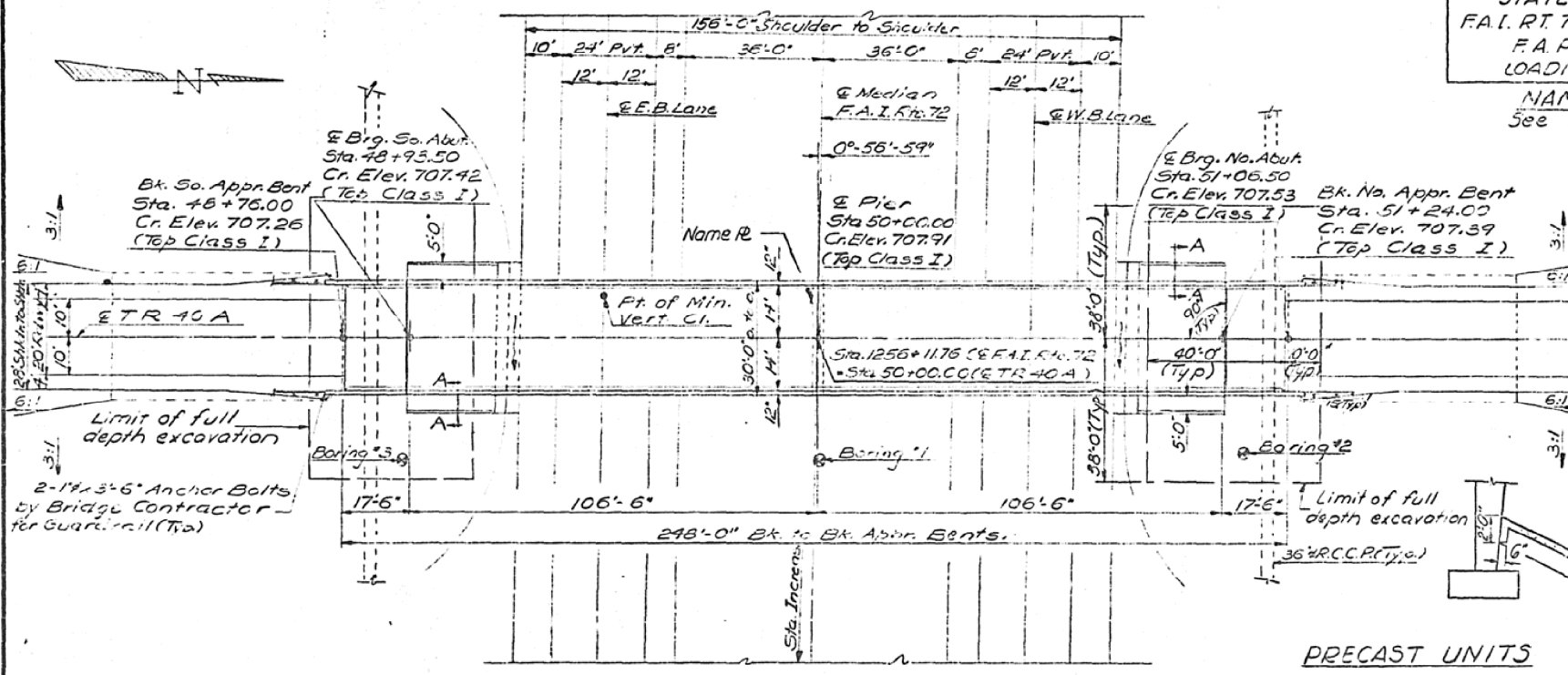
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SHEET NO.	14-68	PIATT	34	11	14 SHEETS
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ELEVATION

STATION 1256+11.76
BUILT 197 BY
STATE OF ILLINOIS
F.A.I. RT. 72 SEC. 74-68 HB
F.A. PROJ. I-72-2(50)
LOADING HS 15
NAME PLATE
See Standard 2113



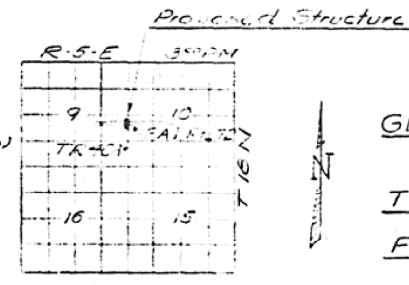
PLAN

PRECAST UNITS

$f_c = 6,000 \text{ psi}$
 $f_{ci} = 5,000 \text{ psi}$
 $f'_s = 270,000 \text{ psi}$
 $f_s = 183,000 \text{ psi}$
 Beams to be post tensioned after erection
 $f'_s = 202,500 \text{ psi}$ (acc. to int.)
 Anchor see - 9's (Min)

DESIGN STRESSES

$f_c = 1200 \text{ psi}$ (Deck slabs - main span)
 $f_c = 1400 \text{ psi}$ (Curb, Parapet, Subs & apron slabs)
 $f'_s = 20,000 \text{ psi}$ (Reinf.)
 $f'_s = 20,000 \text{ psi}$ (Struct.)
 $f_c = 75 \text{ psi}$ (Ft'gs)
 $n = 10$



LOCATION SKETCH

All reinforcement bars shall be lapped. See diameters unless otherwise shown.

Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 58# per 100 sq. ft.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Hard-rail Concrete.

Protective Coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.

The Contractor shall drive 3 test piles in permanent locations as directed by the Engineer before ordering the remainder of piles (for location see sheets 9&10).

Concrete Piles at approach bent shall be driven in holes precored through the embankment in accordance with Art. 51309 (c) of the Standard Specifications.

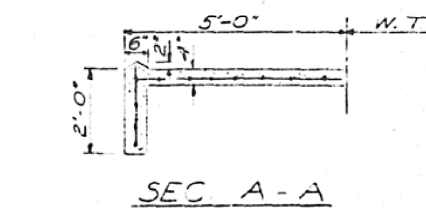
Concrete in beam splices shall be cured to 3,000 psi (Min) before post tension operation starts.

Concrete rail section above the mandatory joint at the top of slab and Class I Surfacing shall not be constructed before post tension operation has been completed. temporary supports have been removed.

See sheet #8 for construction sequence of Superstructure.

BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Bit. Concrete Surf. Cse. Class 2	Tons	59		59
Structure Excavation	Cu Yds		50	50
Protective Coat	Sq Yds	190		190
Class X Concrete	Cu Yds	242.5	167.9	410.4
Post-tensioned Precast Concrete Slabs	Lin. Ft.	1,075		1,075
Neoprene Expansion Dam	Lin. Ft.	58		58
Aluminum Railing	Lin. Ft.	512		512
Reinforcement Bars	Lbs.	17,410	17,680	35,090
Concrete Piles	Lin. Ft.		1,403	1,403
Test Piles (Concrete)	Ea.		3	3
Waterproofing Membrane Sys.	Sq. Yds.	730		730
Slope Walls (2')	Sq. Yds.			330
Name Plates	Ea.		1	1
Sand Backfill	Cu Yds.		120	120
Porous Granular Embankment	Cu Yds.			2240
Earth Excavation	Cu Yds.			2240



SEC A-A

DESIGNED	M. H.
CHECKED	T.C.C.
DRAWN	M. H.
CHECKED	T.C.C.



**PROFILE GR TR 40A
PROFILE GR FAI RTE 72
(@ E of Lanes)**

GENERAL PLAN & ELEVATION
PROJECT - I-72-2150-58
TR 40A OVER FAI RTE 72
FAI RTE 72 SEC. 74-68 HB
PIATT COUNTY
STA. 1256+11.76 (FAI RTE 72)
STA. 50+00 (TR 40A)

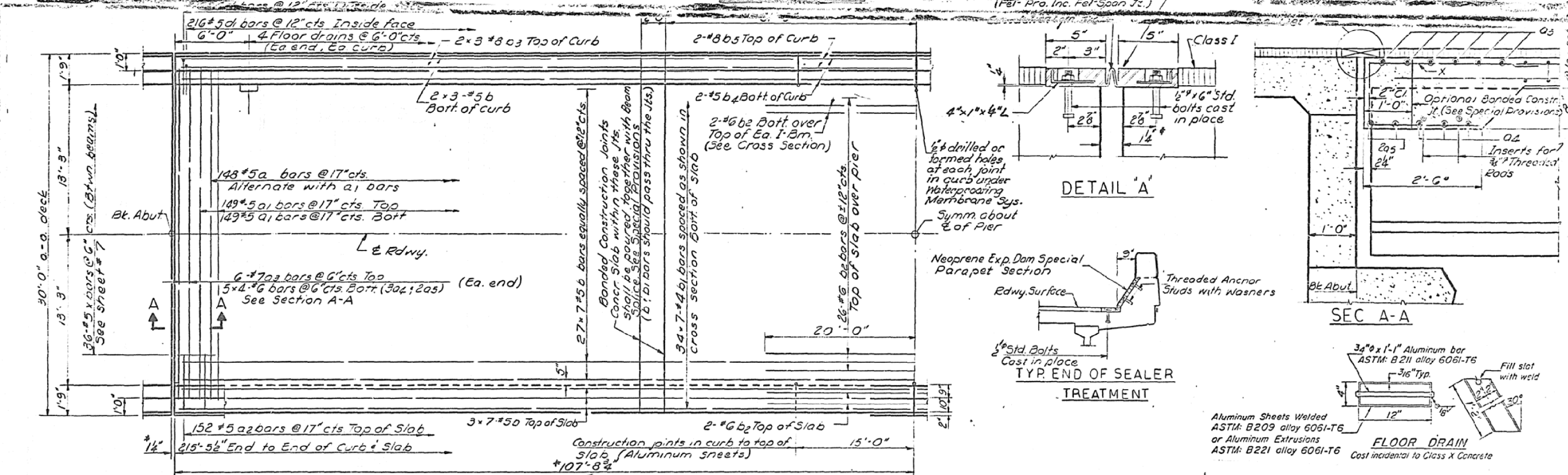
AS-BUILT PLANS - S.N. 074-0062 FOR INFORMATION ONLY

Note: Bars indicated thus 27x7-5etc indicates 27 lines of bars with 7 lengths. Minimum bar laps - 24" dia.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Neoprene Expansion Dam
See Special Provisions
(Fel-Pro, Inc. Fel-Span Jr.)

SHEET NO. 2		TOTAL SHEETS 12	
DATE	SECTION	COUNTY	PIATT
7-26-68	148	PIATT	34
72	148	PIATT	34



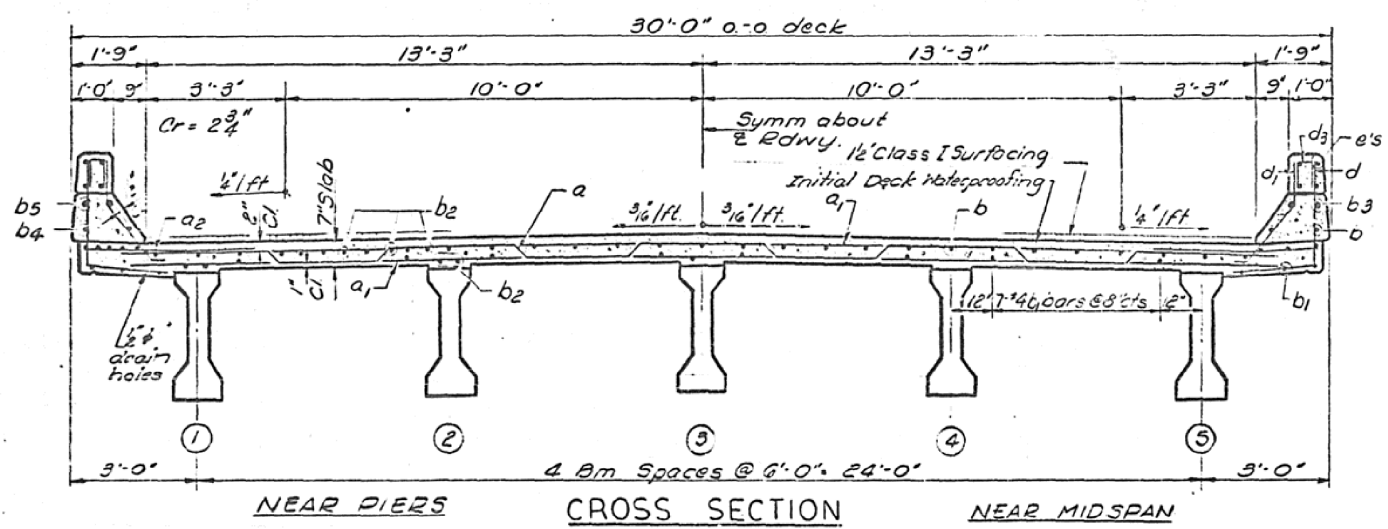
* At 50°F before post tension operation

HALF PLAN

For spacing of d's bars & e's bars see sheet # 4

DETAIL 'A'

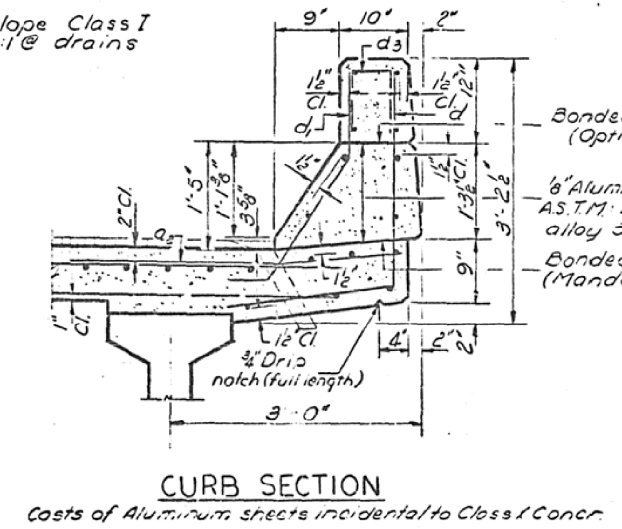
SEC A-A



NEAR PIERS

CROSS SECTION

NEAR MIDSPAN



CURB SECTION

Costs of Aluminum sheets incidental to Class I Concr.

For location of bars m, m1, m2 & s1 see Sh. # 7

BILL OF MATERIAL

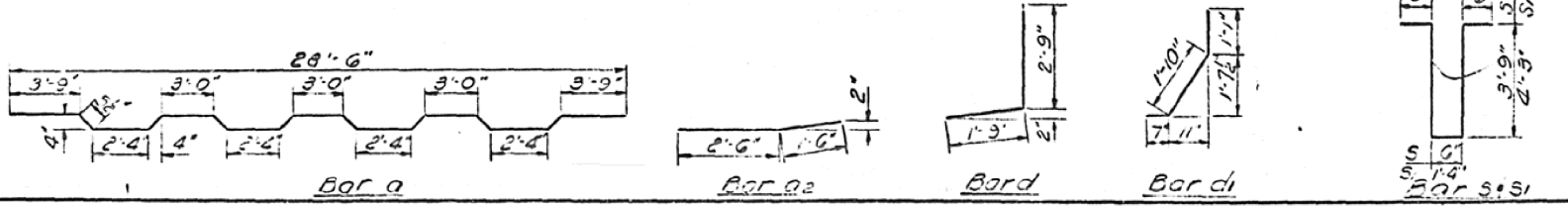
Bar No	Size	Length	Splice
a	1/2"	29'-6"	
a1	2/8"	28'-6"	
a2	3/8"	4'-0"	
a3	1/2"	29'-5"	
a4	2/4"	4'-3"	
a5	1/2"	6'-9"	
b	2/5"	32'-0"	
b1	2/8"	31'-9"	
b2	2/4"	40'-0"	
b3	2/4"	32'-3"	
b4	2/8"	12'-9"	
b5	2/8"	12'-9"	
c	2/32"	4'-6"	
d	2/32"	3'-6"	
m	2/8"	5'-3"	
m1	2/8"	4'-0"	
m2	2/8"	4'-0"	
s	2/4"	3'-0"	
s1	2/4"	10'-10"	
x	2/72"	7'-3"	

Class I Concrete Cuyas 2060
Reinf. Bars 15.5 32-200

DESIGNED: *[Signature]*
 CHECKED: *[Signature]*
 DRAWN: *[Signature]*
 CHECKED: TCC

EXAMINED: *[Signature]*
 PASSED: *[Signature]*
 APPROVED: *[Signature]*

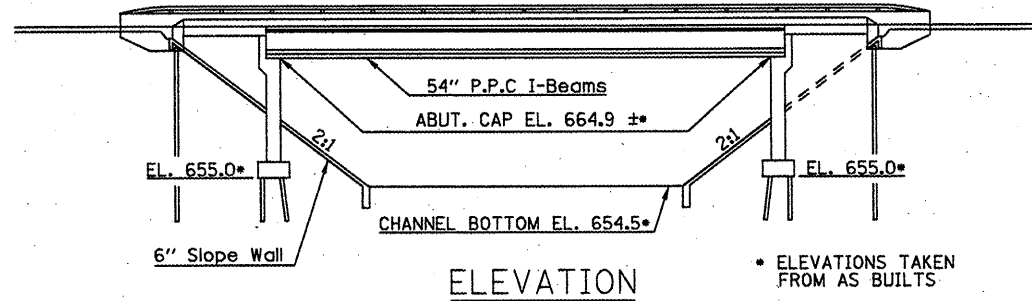
SEPT 9 1972



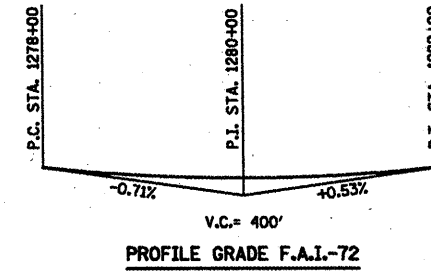
SUPERSTRUCTURE DETAILS
 F.A.I. RT. 72 SEC. 74-68-H B
 PIATT COUNTY
 STA. 1256+11.76

GENERAL PLAN & ELEVATION

S.N. 074-0063 & 074-0064



ELEVATIONS TAKEN FROM AS BUILTS



THE EXISTING DUAL MAINLINE STRUCTURES WERE BUILT IN 1975 AS FAI ROUTE 72, SECTION 74-68B AT STATION 1280+00 IN PIATT COUNTY. THE SUPERSTRUCTURE CONSISTS OF SIX 54" P.P.C. I-BEAMS SUPPORTING A 7 1/2" R.C. DECK AND A 1 1/2" HOT MIX ASPHALT WEARING SURFACE WITH A WATERPROOFING MEMBRANE SYSTEM. THE SUPERSTRUCTURE IS SUPPORTED BY TWO CLOSED ABUTMENTS ON CONCRETE PILES. THE EXISTING STRUCTURES MEASURE 107'-2" FROM BACK TO BACK OF ABUTMENTS AND 42'-0" OUT TO OUT OF DECK. THE HORIZONTAL CLEARANCE IS 40'-0" FROM FACE TO FACE OF PARAPET.

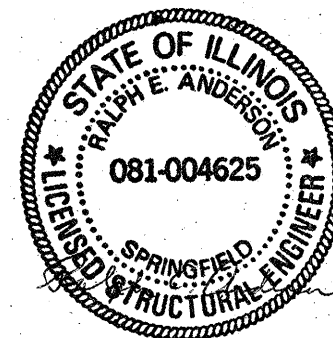
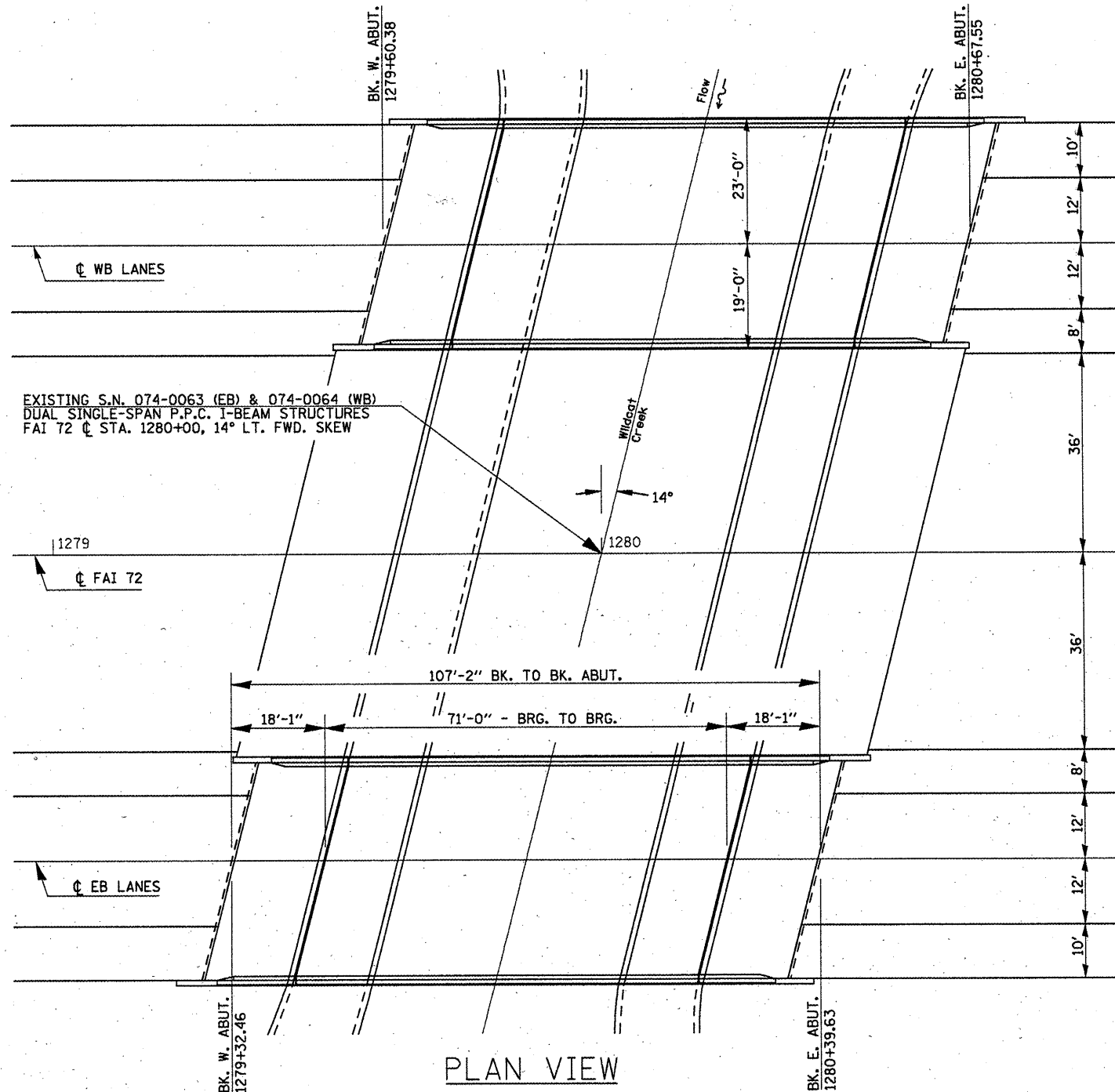
SEE LIST OF PROPOSED IMPROVEMENTS ON THIS SHEET.
TRAFFIC SHALL BE MAINTAINED USING STAGE CONSTRUCTION.

PROPOSED IMPROVEMENTS

1. REMOVAL OF THE EXISTING HMA WEARING SURFACE AND WATERPROOFING MEMBRANE SYSTEM.
2. 1/2" DECK HYDRO-SCARIFICATION.
3. STRUCTURAL REPAIR OF CONCRETE ON NORTH PARAPET OF S.N. 074-0063.
4. PLACEMENT OF PROPOSED MICRO SILICA CONCRETE WEARING SURFACE.
5. REPLACE EXISTING PREFORMED JOINT SEALS WITH SILICONE JOINT SEALER.
6. PLUG DECK DRAINS AT ABUTMENTS AND ALTERNATES.

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.



Expires 11/30/2010

TOTAL BILL OF MATERIALS - TWO STRUCTURES

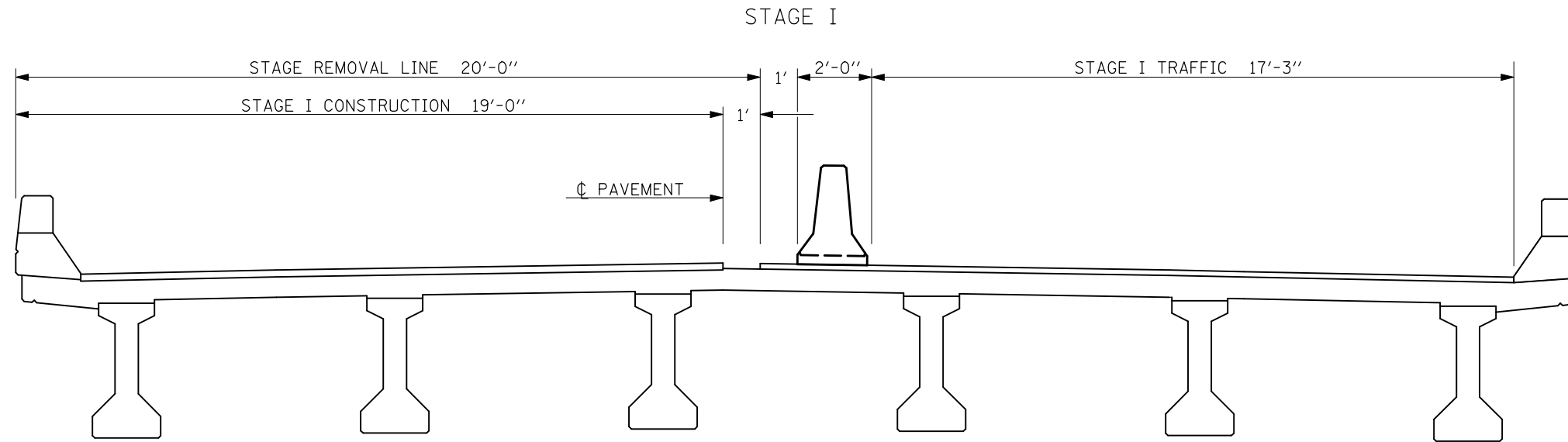
ITEM	UNIT	TOTAL
HMA SURFACE REMOVAL (DECK)	SQ YD	916.8
BRIDGE DECK HYDRO-SCARIFICATION, 1/2"	SQ YD	916.8
BRIDGE DECK MICROSILICA CONCRETE OVERLAY, 2 1/4"	SQ YD	916.8
BRIDGE DECK GROOVING	SQ YD	869.2
PROTECTIVE COAT	SQ YD	916.8
STRUCTURAL REPAIR OF CONCRETE (DEPTH <= 5")	SQ FT	24.0
SILICONE JOINT SEALER, 2"	FOOT	165.0
POLYMER CONCRETE	CU FT	16.0
PLUG EXISTING DECK DRAINS	EACH	24.0

QUANTITIES FOR TEMPORARY CONCRETE BARRIER AND RELOCATE TEMPORARY CONCRETE BARRIER INCLUDED IN ROADWAY PLANS.

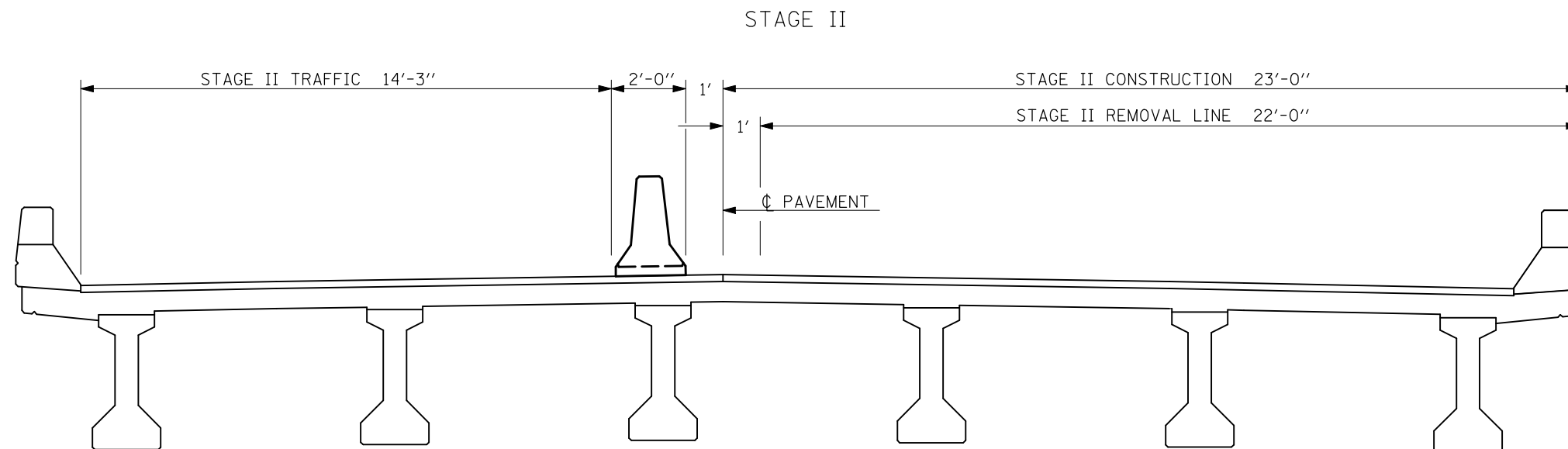
FILE NAME =	USER NAME = p1ersonbr	DESIGNED - GMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION S.N. 074-0063 & 074-0064	F.A.I. RTE. 72	SECTION (58,74-66)&(74-67&68)RS-1	COUNTY PIATT	TOTAL SHEETS 251	SHEET NO. 163
22-Bridge Repair Plan.dgn				SCALE: SHEET NO. 1 OF 9 SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT						
PLOT SCALE = 48.0000' / IN.				CONTRACT NO. 70022						
PLOT DATE = 2/8/2010				DATE						

STAGE CONSTRUCTION

S.N. 074-0063 & 074-0064



LOOKING EAST - S.N. 074-0063
 LOOKING WEST - S.N. 074-0064



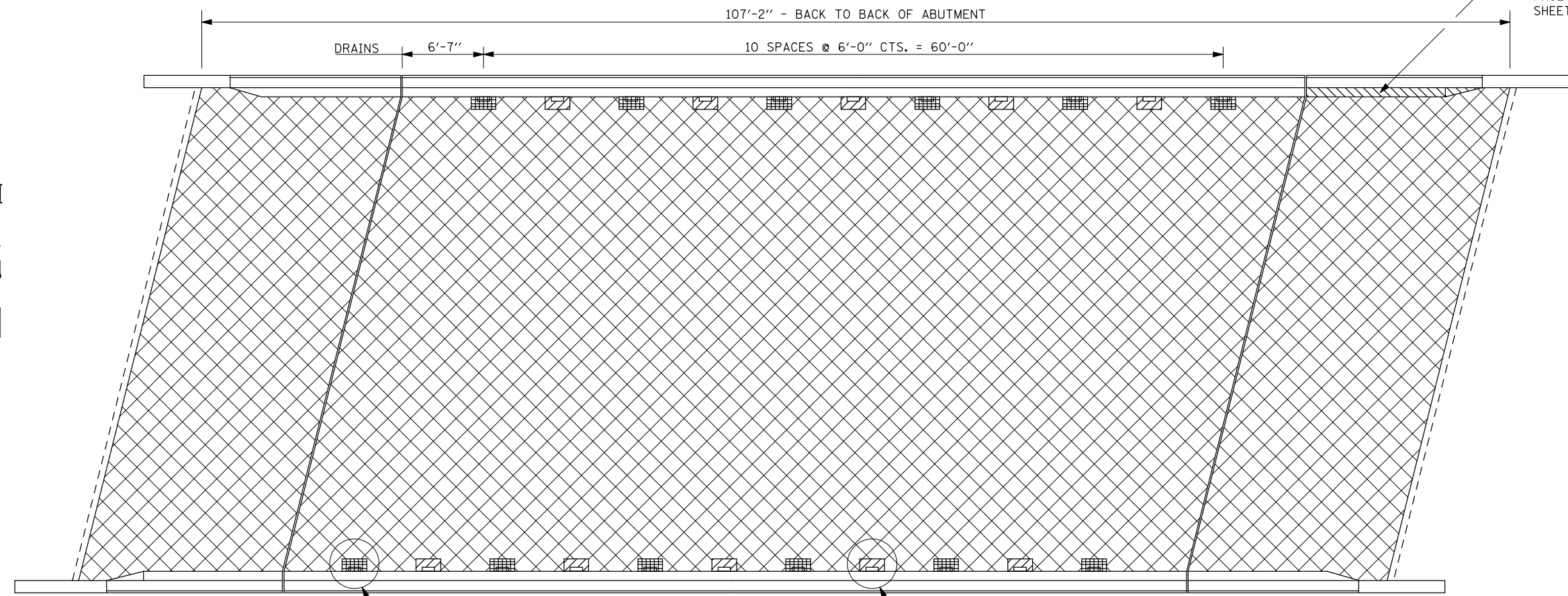
LOOKING EAST - S.N. 074-0063
 LOOKING WEST - S.N. 074-0064

FILE NAME =	USER NAME = ppersonbr	DESIGNED - GMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION S.N. 074-0063 & 074-0064		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\personbr\d0109687\700	22-Bridge Repair Plan.dgn	DRAWN - GMS	REVISED -		72	(58,74-66)&(74-67&68)RS-1	PIATT	251	164		
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 70022						
PLOT DATE = 2/8/2010	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT						
				SCALE:	SHEET NO. 2 OF 9 SHEETS	STA.	TO STA.				

DECK REPAIR PLAN

S.N. 074-0063 & 074-0064

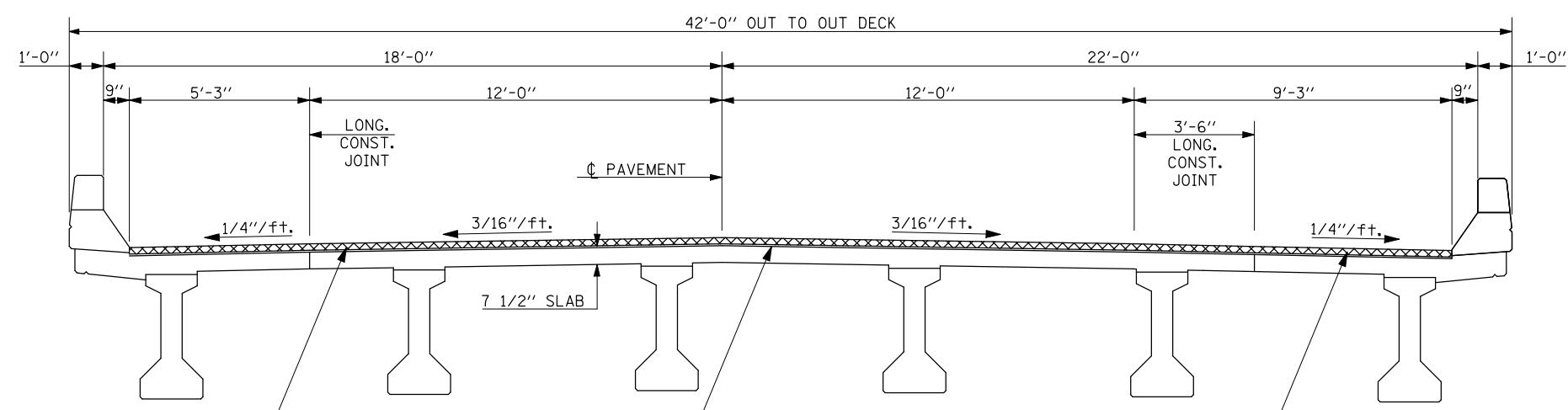
STRUCTURAL REPAIR OF CONCRETE
S.N. 074-0063 (EB) ONLY
(BOTTOM HALF OF NORTH PARAPET
FACE OVER EAST APPROACH) SEE
SHEET 4 OF 9 FOR SECTION VIEW



SEE SHEET 4 OF 9 FOR DETAILS
OF DRAINS TO BE PLUGGED.

PLAN VIEW

SEE SHEET 4 OF 9 FOR DETAILS
OF SLOPING AT DRAINS.



PROPOSED BRIDGE DECK MICROSILICA
CONCRETE OVERLAY, 2 1/4"

PROPOSED 1/2" DECK
HYDRO SCARIFICATION

EXISTING 1 1/2" HMA WEARING SURFACE
AND WATERPROOFING MEMBRANE SYSTEM

TYPICAL DECK CROSS SECTION

LEGEND

- H.M.A. SURFACE REMOVAL, DECK AND PROPOSED MICRO-SILICA CONCRETE OVERLAY
- STRUCTURAL REPAIR OF CONCRETE (DEPTH <= 5")
- EXISTING DRAINS TO BE PLUGGED
- EXISTING DRAINS TO REMAIN IN PLACE

FILE NAME =	USER NAME = ppersonbr	DESIGNED - GMS	REVISED -
ct:\pw\work\p\pidot\ppersonbr\d0109687\70022-Bridge Repair Plan.dgn		DRAWN - GMS	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 2/8/2010		DATE -	REVISED -

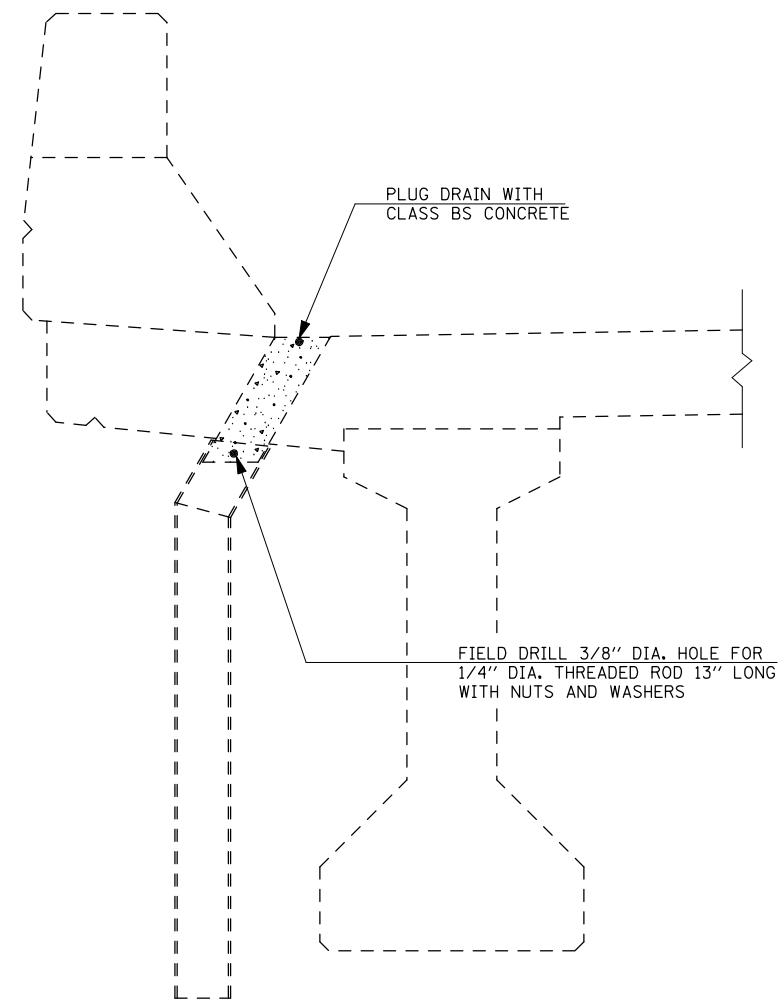
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DECK REPAIR PLAN			
S.N. 074-0063 & 074-0064			
SCALE:	SHEET NO. 3 OF 9 SHEETS	STA.	TO STA.

F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(58,74-66)&(74-67&68)RS-1	PIATT	251	165
CONTRACT NO. 70022				
ILLINOIS FED. AID PROJECT				

DECK REPAIR DETAILS

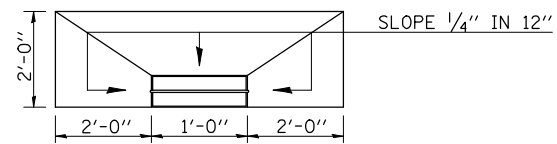
S.N. 074-0063 & 074-0064



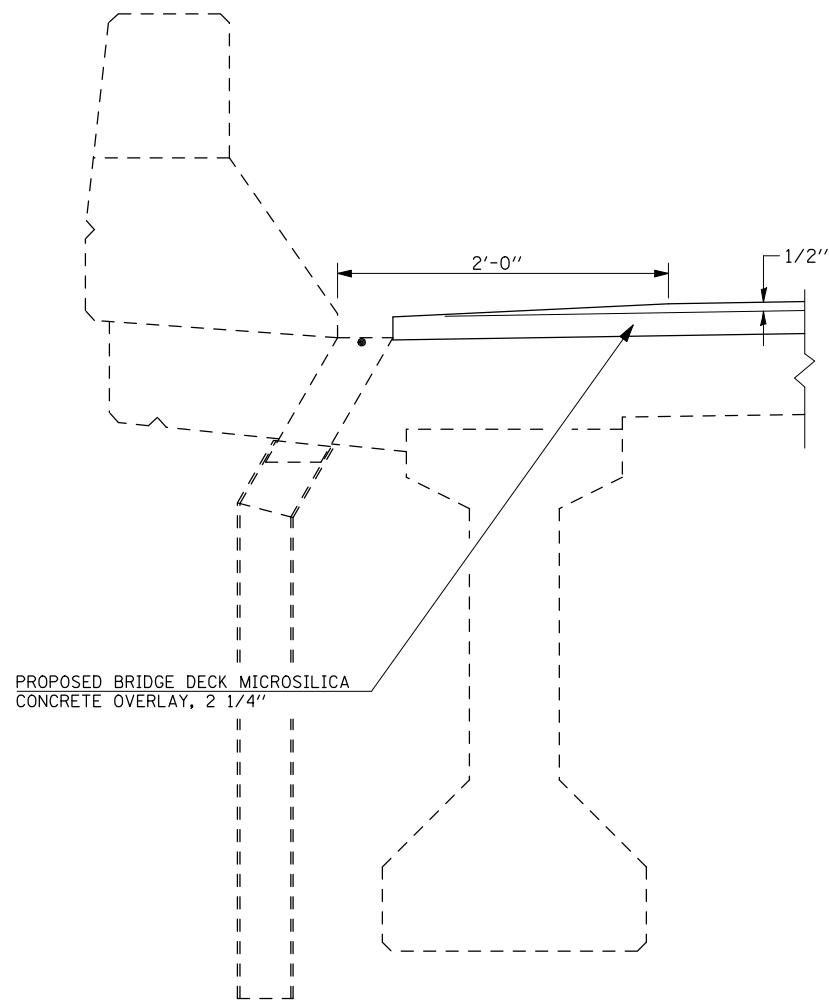
SECTION AT DRAIN
PLUG EXISTING DECK DRAIN

NOTE:

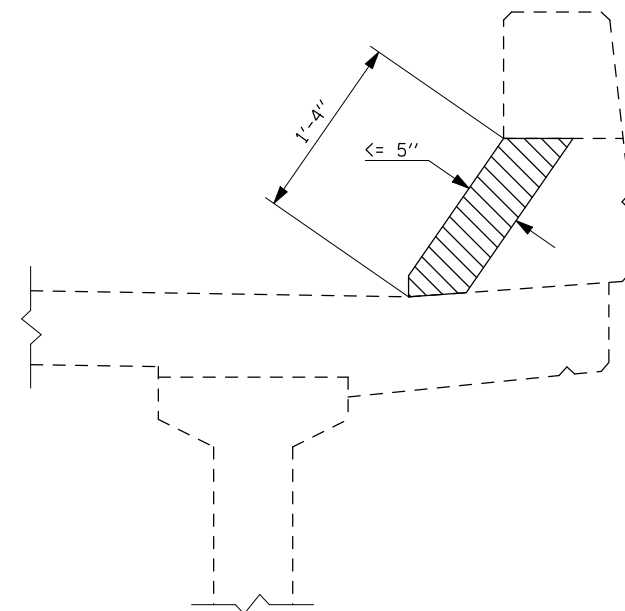
FOR EXISTING DECK DRAINS WITH EXTENSIONS, REMOVE THE BOTTOM PORTION OF EXISTING DRAIN PRIOR TO PLUGGING. (COST TO BE INCLUDED WITH PLUG EXISTING DECK DRAINS)



SLOPING PLAN
AT DRAIN



DETAIL FOR SLOPING MICROSILICA
CONCRETE OVERLAY AT DRAINS



SECTION AT PARAPET
STRUCTURAL REPAIR OF CONCRETE
(DEPTH EQUAL TO OR LESS THAN 5 INCHES)

FILE NAME =	USER NAME = ppersonbr	DESIGNED - GMS	REVISED -
ct:\pw\work\p\dot\personbr\d0109687\70022-Bridge Repair Plan.dgn		DRAWN - GMS	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/8/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK REPAIR DETAILS
S.N. 074-0063 & 074-0064**

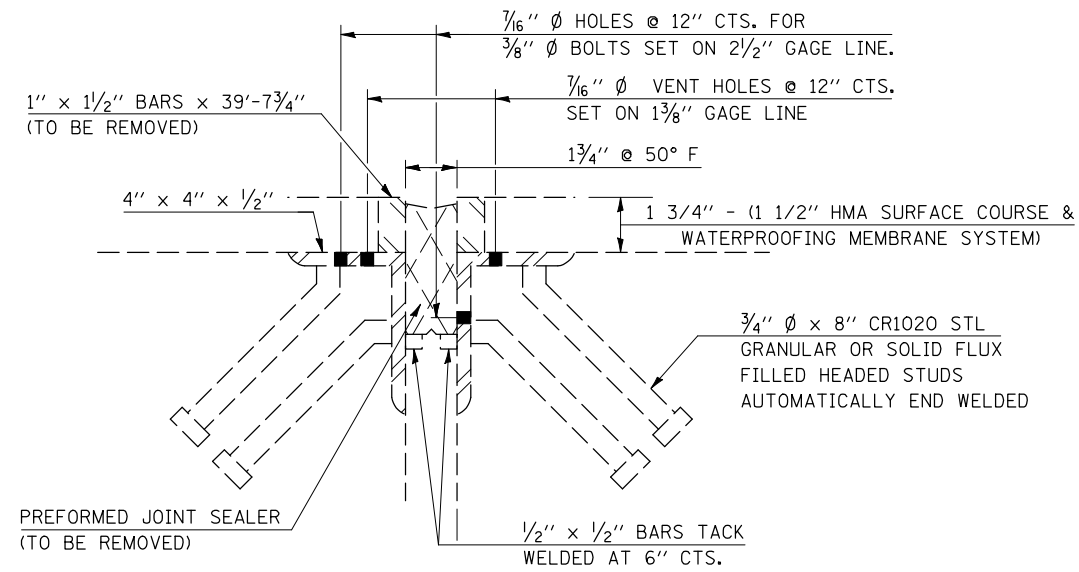
SCALE: SHEET NO. 4 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(58,74-66)&(74-67&68)RS-1	PIATT	251	166
CONTRACT NO. 70022				
ILLINOIS FED. AID PROJECT				

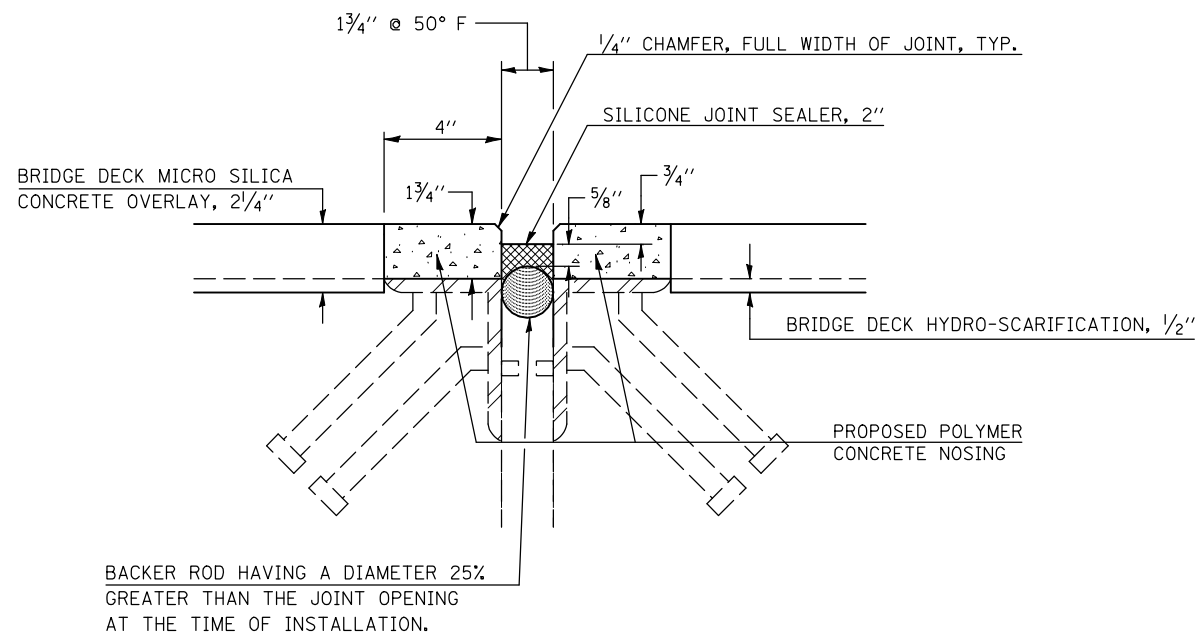
JOINT REPAIR DETAILS

S.N. 074-0063 & 074-0064

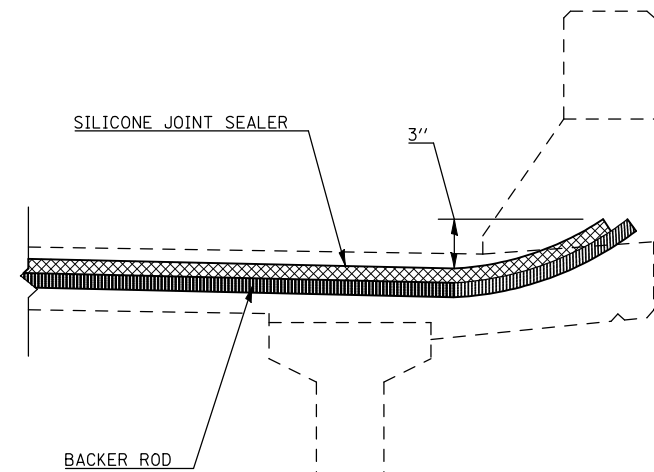
(EAST AND WEST ABUTMENT JOINTS)



EXISTING JOINT



PROPOSED JOINT



SECTION AT PARAPET
SILICONE JOINT SEALER

NOTES

REMOVE EXISTING PREFORMED JOINT SEALER AND 1" X 1/2" BARS (ARMOR EXTENSIONS) AND REPLACE WITH SILICONE JOINT SEALER AND POLYMER CONCRETE NOSING. COST OF ALL REMOVAL TO BE INCLUDED WITH SILICONE JOINT SEALER, 2".

BILL OF MATERIALS - TWO STRUCTURES

ITEM	UNIT	TOTAL
SILICONE JOINT SEALER, 2"	FOOT	165.0
POLYMER CONCRETE	CU FT	16.0

FILE NAME =	USER NAME = ppersonbr	DESIGNED - GMS	REVISED -
ct:\pw\work\p\dot\personbr\d0109687\70022-Bridge Repair Plan.dgn		DRAWN - GMS	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 2/8/2010		DATE -	REVISED -

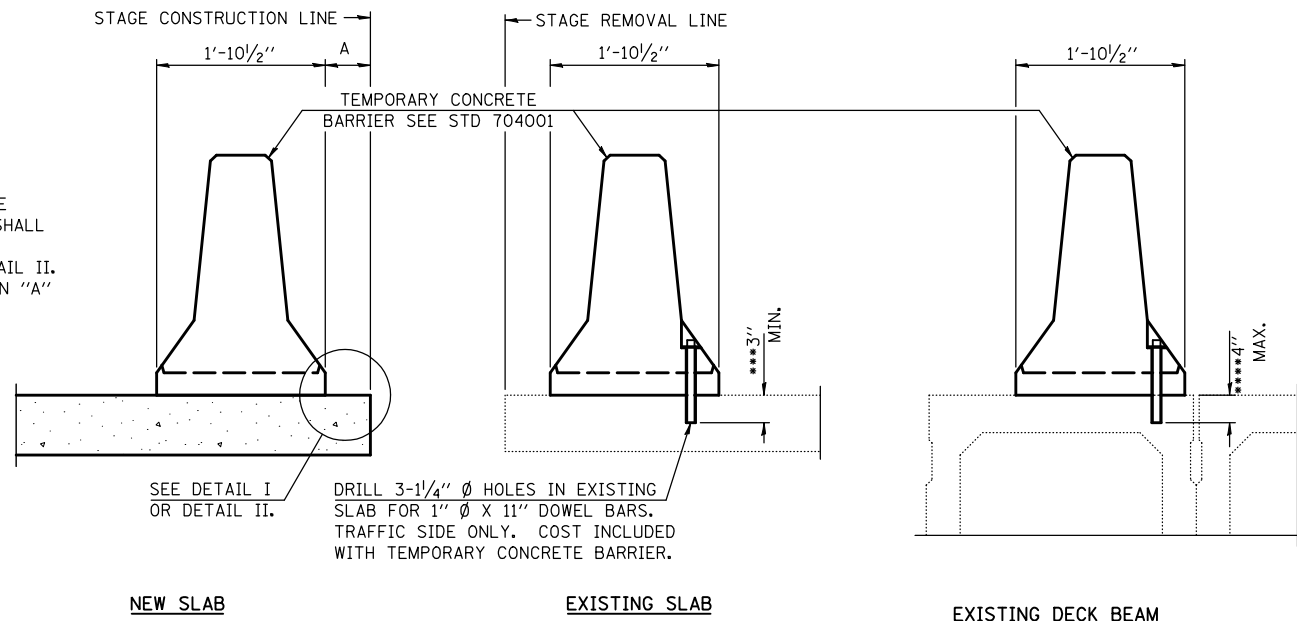
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

JOINT REPAIR DETAILS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.N. 074-0063 & 074-0064		72	(58,74-66)&(74-67&68)RS-1	PIATT	251	167
SCALE:	SHEET NO. 5 OF 9 SHEETS	STA.	TO STA.		CONTRACT NO. 70022	

ILLINOIS FED. AID PROJECT	
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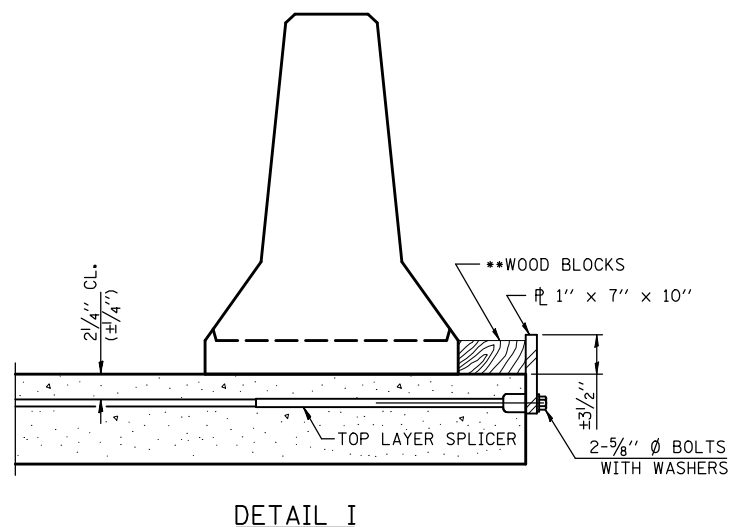
TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION S.N. 074-0063 (E.B.) & 074-0064 (W.B.)

WHEN "A" IS 3'-6" OR LESS, THE TEMPORARY CONCRETE BARRIER SHALL BE ANCHORED TO THE NEW SLAB ACCORDING TO DETAIL I OR DETAIL II. NO ANCHORAGE IS REQUIRED WHEN "A" IS GREATER THAN 3'-6".

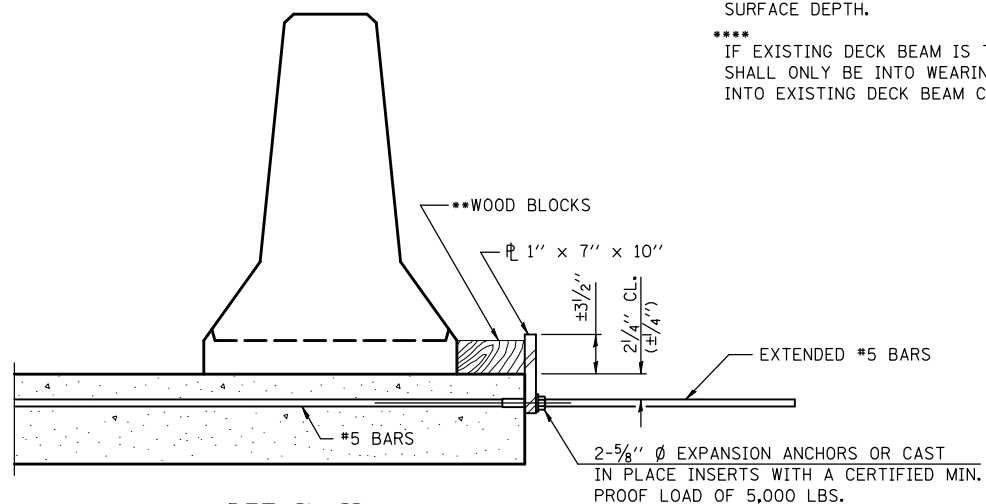


SECTIONS THRU SLAB OR DECK BEAM

- NOTES**
- DETAIL I - WITH BAR SPLICER OR COUPLERS:
CONNECT ONE (1) 1" x 7" x 10" STEEL PLATE TO THE TOP LAYER OF COUPLERS WITH 2-5/8" Ø BOLTS SCREWED TO COUPLER AT APPROXIMATE C/2 OF EACH BARRIER PANEL.
- DETAIL II - WITH EXTENDED REINFORCEMENT BARS:
CONNECT ONE (1) 1" x 7" x 10" STEEL PLATE TO THE CONCRETE SLAB OR WEARING SURFACE WITH 2-5/8" Ø EXPANSION ANCHORS OR CAST IN PLACE INSERTS SPACED BETWEEN THE TOP LAYER OF REINFORCEMENT AT APPROXIMATE C/2 OF EACH BARRIER PANEL.
- COST OF ANCHORAGE IS INCLUDED WITH TEMPORARY CONCRETE BARRIER. THE 1" x 7" x 10" PLATE SHALL NOT BE REMOVED UNTIL STAGE II CONSTRUCTION FORMS AND ALL REINFORCEMENT BARS ARE IN PLACE AND THE CONCRETE IS READY TO BE PLACED.

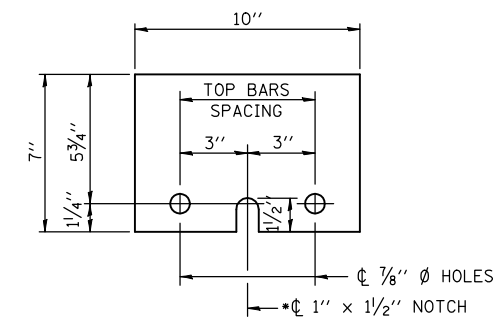


DETAIL I



DETAIL II

- *** DIMENSION SHOWN IS MINIMUM REQUIRED EMBEDMENT INTO CONCRETE. IF HOT-MIX ASPHALT WEARING SURFACE IS PRESENT, MINIMUM EMBEDMENT SHALL BE IN ADDITION TO WEARING SURFACE DEPTH.
- **** IF EXISTING DECK BEAM IS TO REMAIN IN PLACE AFTER STAGE CONSTRUCTION, EMBEDMENT SHALL ONLY BE INTO WEARING SURFACE AND NOT INTO EXISTING DECK BEAM CONCRETE.



STEEL RETAINER 1" x 7" x 10"

* REQUIRED ONLY WITH DETAIL II

***WOOD BLOCKS MAY BE OMITTED WHEN REQUIRED TO PROVIDE MINIMUM STAGE TRAFFIC LANE WIDTH. WHEN THE WOOD BLOCKS ARE OMITTED, THE CONCRETE BARRIER SHALL BE IN DIRECT CONTACT WITH THE STEEL RETAINER PLATE.

R-27

10-1-08

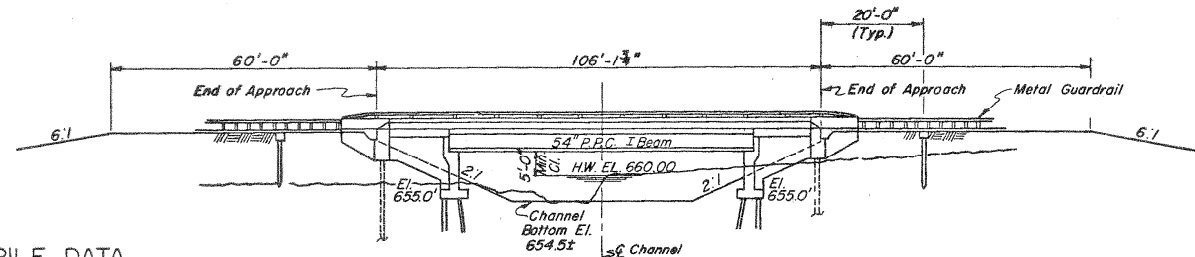
FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION S.N. 074-0063 (EB) & 074-0064 (WB)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pwork\pwork\personbr\d0109687\700	22-Bridge Repair Plan.dgn	DRAWN -	REVISED -			72	(58,74-66)&(74-67&68)RS-1	PIATT	251	168	
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 70022					
	PLOT DATE = 2/8/2010	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

AS-BUILT PLANS - S.N. 074-0063 & 074-0064 FOR INFORMATION ONLY

B.M. 39c - Top of Nail in fence Post on the West Side of Wildcat Creek Sta. 1281+15.380 ft. Left Elev. 660.64.

STATE OF ILLINOIS

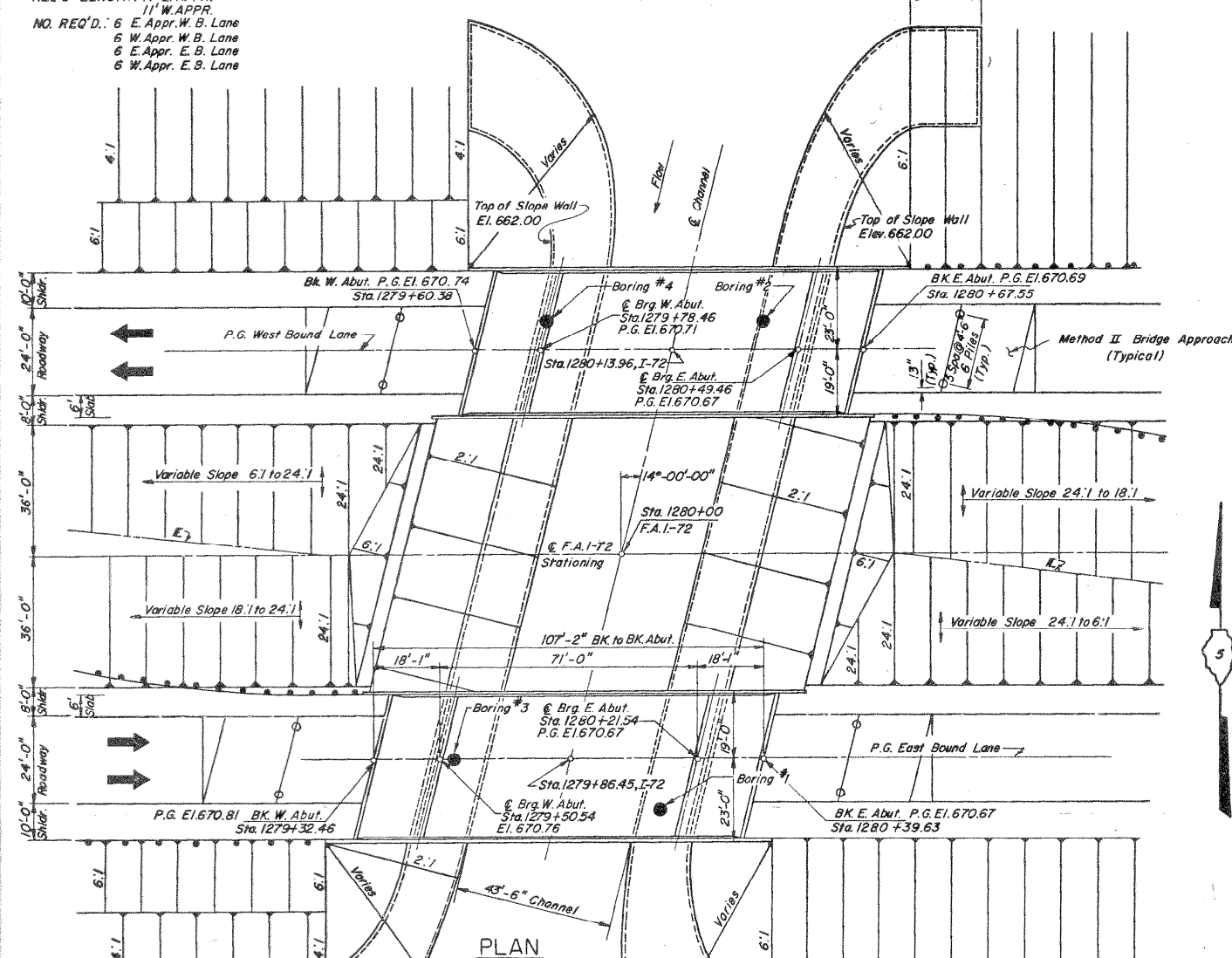
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. / SHEETS 15
S.B.L.	74-68-B	PIATT	294	78	
F.A.	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



APPROACH PILE DATA

TYPE: Crossed
REQ'D LENGTH: 11' E APPR.
11' W APPR.
NO. REQ'D: 6 E Appr. W.B. Lane
6 W Appr. W.B. Lane
6 E Appr. E.B. Lane
6 W Appr. E.B. Lane

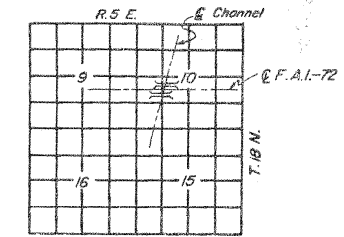
ELEVATION



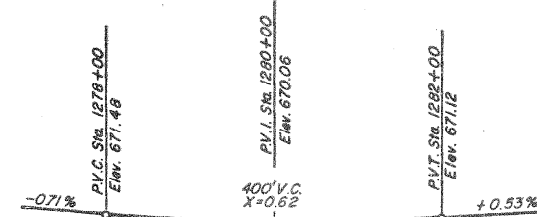
DESIGNED	WDT
CHECKED	RWW
DRAWN	G.A.S.
CHECKED	RWW

TOTAL BILL OF MATERIALS

ITEM	UNIT	SUPER	SUB	TOTAL
Class X Concrete	Cu. Yd.	305.2	320.4	625.6
Aluminum Railing	Lin. Ft.	460		460
Furnishing & Erecting P.P.C. I-Beams 54 in.	Lin. Ft.	868		868
Reinforcement Bars	lbs.	82920	29920	112840
Protective Coating	Sq. Yd.	163		163
Bituminous Concrete Surface Course - Class I	Ton	76		76
Coal Tar Interlayer	Sq. Yd.	903		903
Structure Excavation	Cu. Yd.		187	187
Furnishing Concrete Piles	Lin. Ft.		3186	3186
Sand Backfill	Cu. Yd.		338	338
Furnishing Crossed Piles	Lin. Ft.		264	264
Driving Concrete Piles	Lin. Ft.		3186	3186
Test Piles, Concrete	Ea.		2	2
Driving Timber Piles	Lin. Ft.		264	264
Name Plates	Ea.		2	2
Preformed Joint Sealer 2 1/2"	Lin. Ft.	174		174
Slope Wall (6 inch)	Sq. Yd.		2800	2800



LOCATION SKETCH



PROFILE FAI-72
(Top C.I., & Rdwy.)

PROFILE WILDCAT CREEK

FIELD DESIGN STRESSES

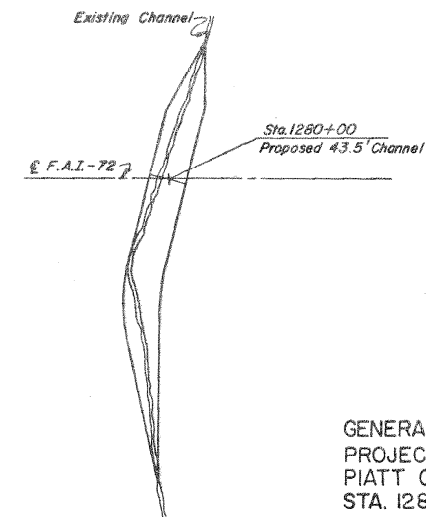
$F_c = 1400$ psi Curb, Parapet & Substructure
 $F_c = 1200$ psi Deck
 $V_c = 75$ Psi Footing
 $F_s = 20,000$ psi Reinforcing
 $n = 10$
 $LL \text{ Deflection} = \frac{L}{1000}$
 Loading HS 20-44 All. M-20.
 Allow. $25^{\#}/\text{Sq. ft.}$ future wearing surface

P.P.C. DESIGN STRESSES

$F_c = 5000$ psi
 $F'_c = 4000$ psi
 $F'_s = 270,000$ psi ($\frac{3}{8}$ " ϕ Strands)
 $F'_s = 188,700$ psi ($\frac{1}{2}$ " ϕ Strands)

WATERWAY INFORMATION

Drainage Area - 6.8 Sq. Miles
 Character - 65% Cultivated, 30% Pasture, 5% Timber
 Req'd Opening - 300 Sq. Ft.
 Proposed Opening - 300 Sq. Ft.
 $Q(50) = 1500$ cfs.



CHANNEL SKETCH



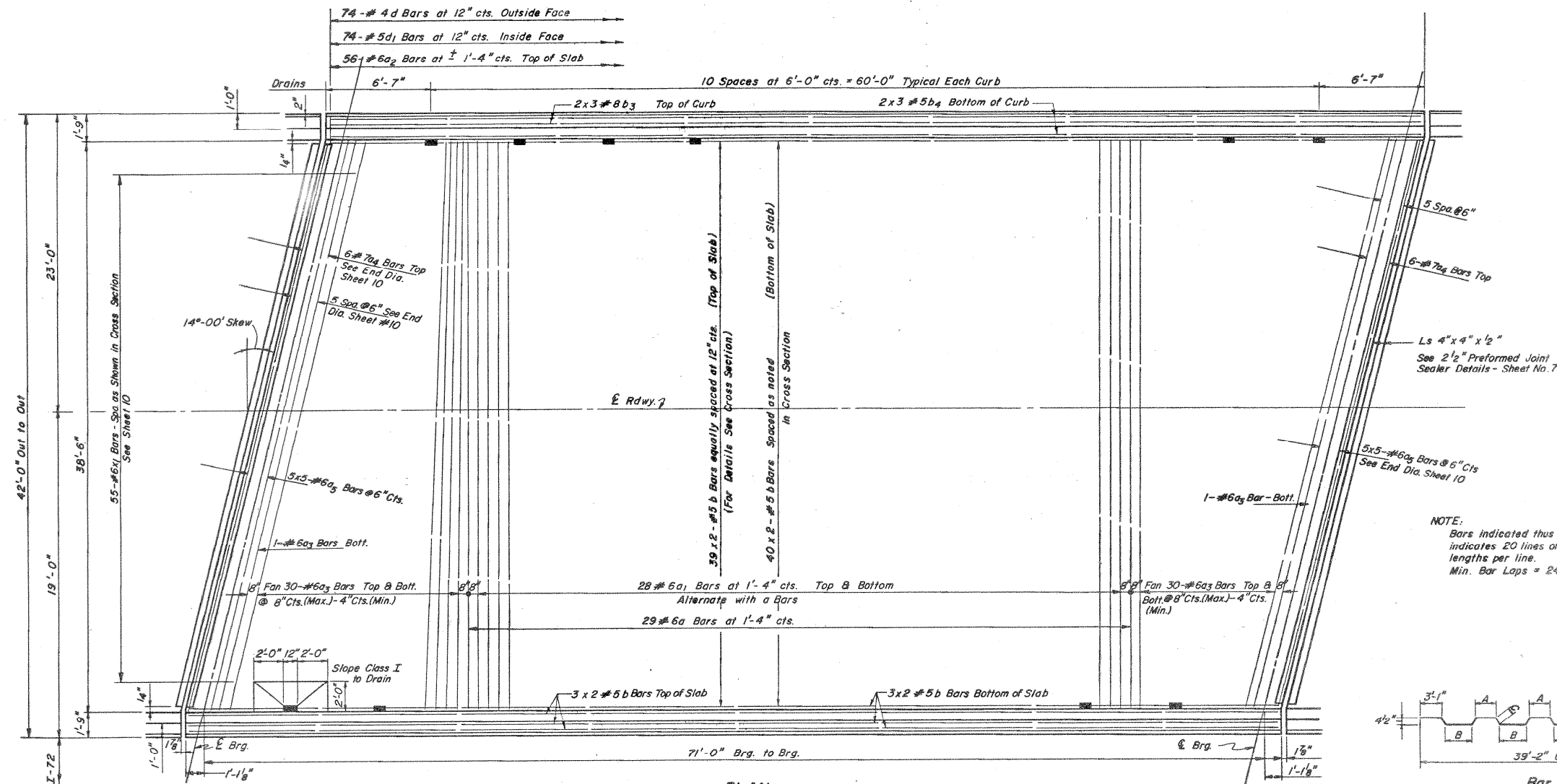
GENERAL PLAN & ELEVATION
 PROJECT F.A.I.-72 SEC. 74-68-B
 PIATT COUNTY
 STA. 1280+00.00 (F.A.I.-72)

APPROVED
 FOR STRUCTURAL AGENCY ONLY
 Engineer of Bridge & Traffic Structures

AS-BUILT PLANS - S.N. 074-0063 & 074-0064 FOR INFORMATION ONLY

STATE OF ILLINOIS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
F.A.I. 72	74-68-B	PIATT	294	85	15
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		



FOR ONE STRUCTURE ONLY

*BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
a	29	#6	40'-10"	—
a1	56	#6	38'-2"	—
a2	112	#6	4'-0"	—
a3	122	#6	38'-9"	—
a4	12	#7	39'-2"	—
a5	50	#6	5'-2"	—
b	182	#5	37'-0"	—
b3	12	#8	25'-9"	—
b4	12	#5	25'-2"	—
d	148	#4	4'-9"	└
d1	148	#5	3'-7"	└
g1	50	#4	10'-0"	└
m1	20	#4	5'-2"	—
m2	20	#4	6'-6"	—
x1	110	#6	7'-10"	—

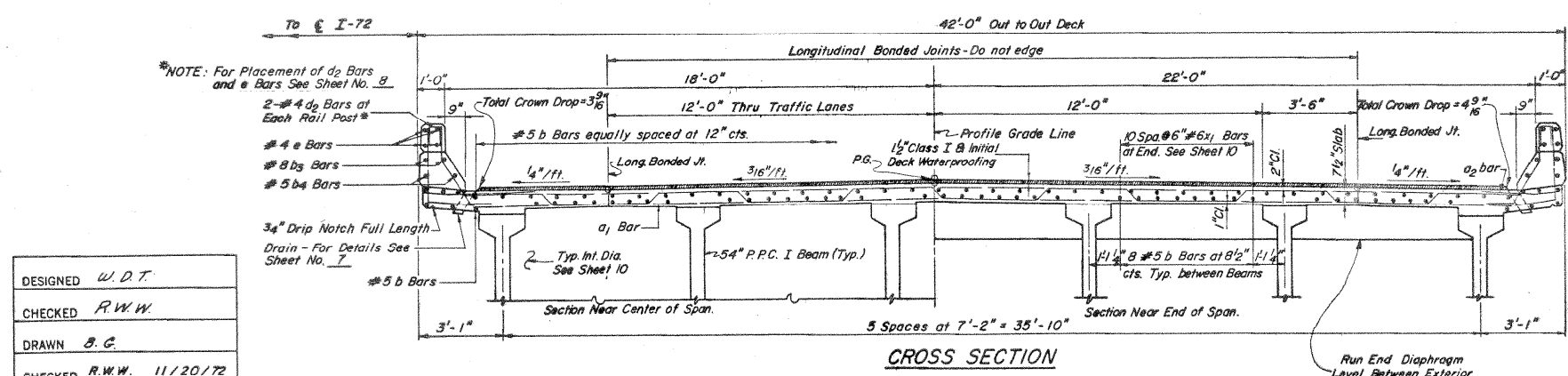
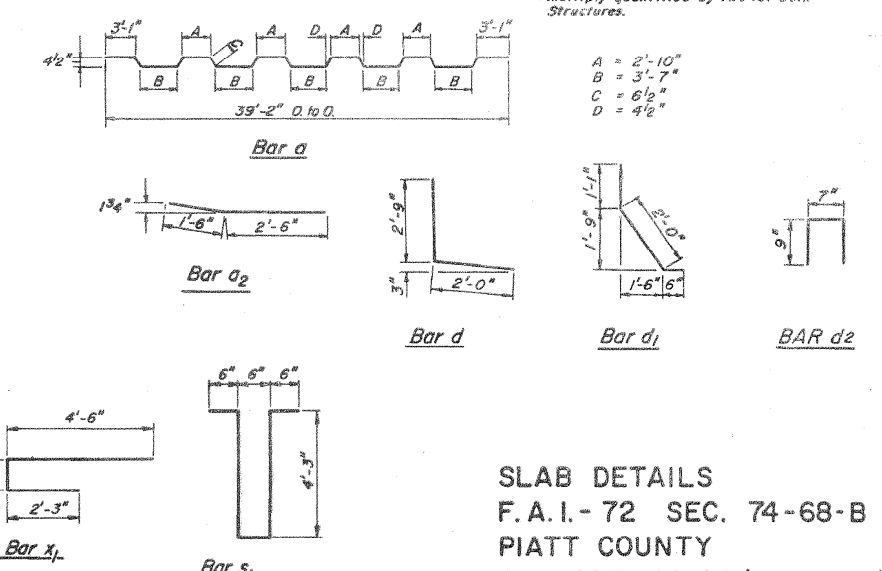
Reinforcement Bars Lbs. 25080
Class X Concrete Cu Yds. 98.2
Prefomed Jt. Sealer 2 1/2 Lin. Ft. 87

Parapet Reinforcement and Class X Concrete are billed on Sheet No. 8

*Multiply quantities by two for both Structures.

A = 2'-10"
B = 3'-7"
C = 6'-2"
D = 4'-2"

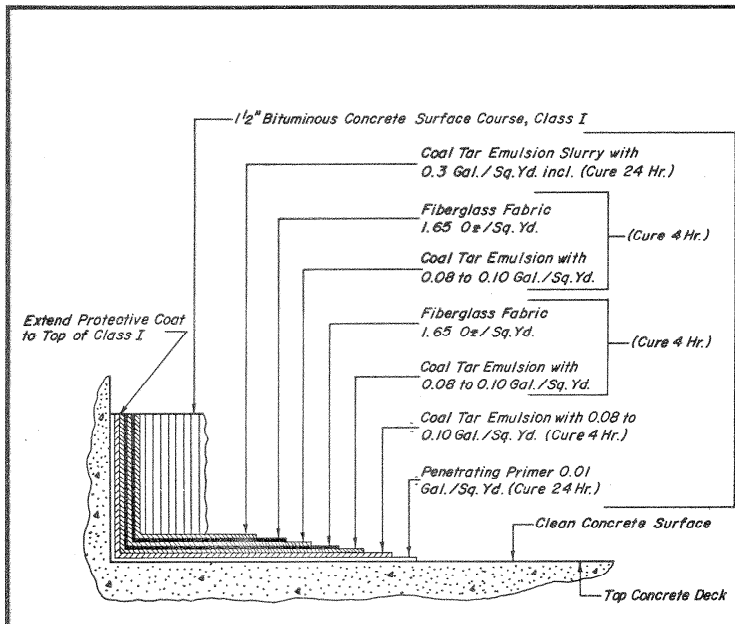
NOTE:
Bars indicated thus 20 x 3 - #5 etc. indicates 20 lines of bars with 3 lengths per line.
Min. Bar Laps = 24 Diameter



DESIGNED	W. D. T.
CHECKED	R. W. W.
DRAWN	B. G.
CHECKED	R. W. W. 11/20/72

AS-BUILT PLANS - S.N. 074-0063 & 074-0064 FOR INFORMATION ONLY

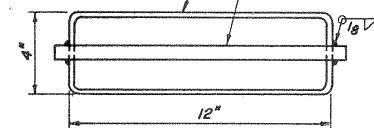
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 7 SHEETS 15
F.A.I.-72	74-68-B	PIATT	294	84	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			



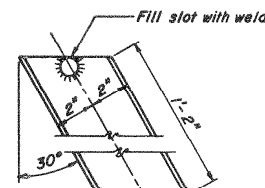
DECK SURFACING

To Be Paid For
As Coal Tar
Interlayer Protective Coat

$\frac{3}{16}$ " Aluminum Sheets Welded
A.S.T.M. B209 alloy 6061-T6
or Aluminum Extrusions A.S.T.M.
B221 alloy 6061-T6



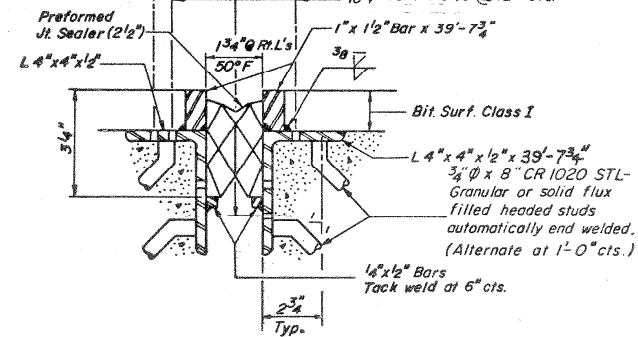
TOP VIEW



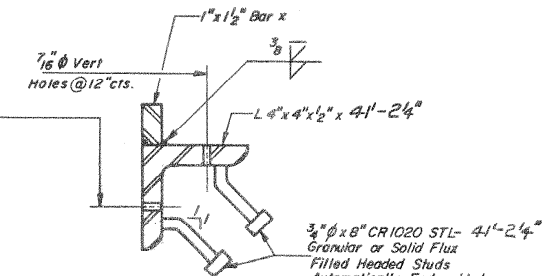
END VIEW

DECK DRAIN DETAILS

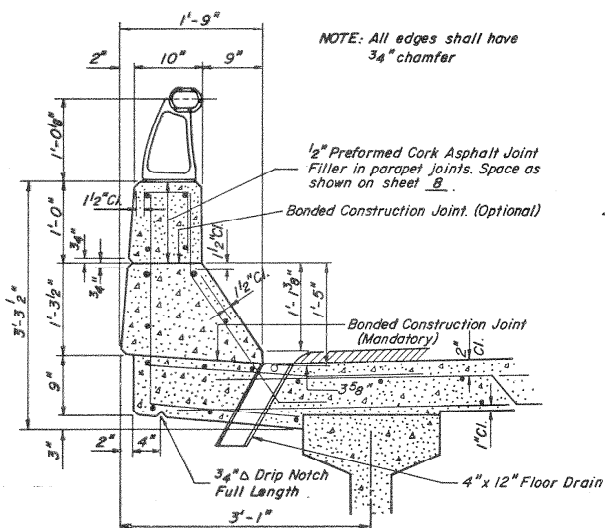
Cast Incidental to Class X Conc.



DETAIL A
4 Sets Required

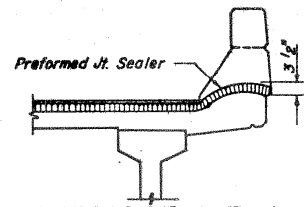


DETAIL B
4 Required

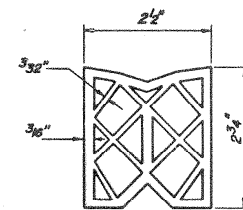


CURB CONFIGURATION

NOTE: All edges shall have
 $\frac{3}{4}$ " chamfer



TYPICAL END OF SEALER TREATMENT



PREFORMED JOINT SEALER

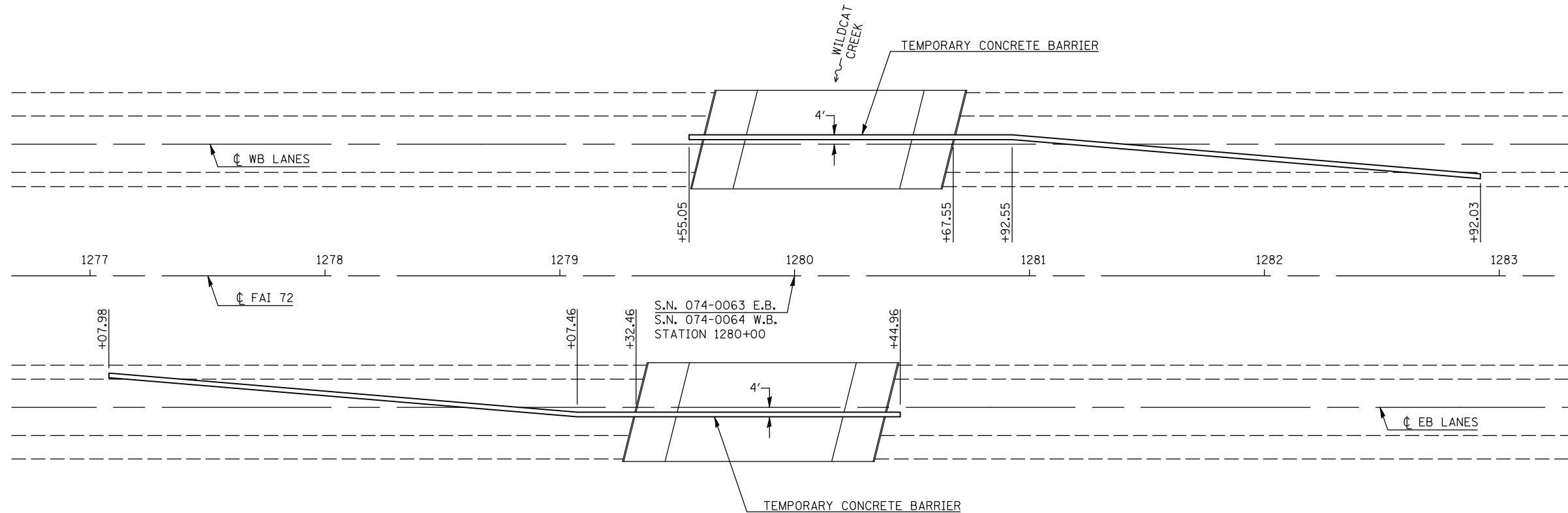
NOTE: Weight Structural Steel = 8761 Lbs.
Cost Incidental to Furnishing &
Erecting P.R.C. I-Beams 54 in.
* Weight includes weight of 488 - 8" x 3/8"
shear studs @ 543 Lbs.

DESIGNED <i>W.D.T.</i>
CHECKED <i>R.W.W.</i>
DRAWN <i>B.G.</i>
CHECKED <i>R.W.W.</i> 11/20/72

SLAB DETAILS
F.A.I.-72 SEC. 74-68-B
PIATT COUNTY
STA. 1280+00.00 (F.A.I.-72)

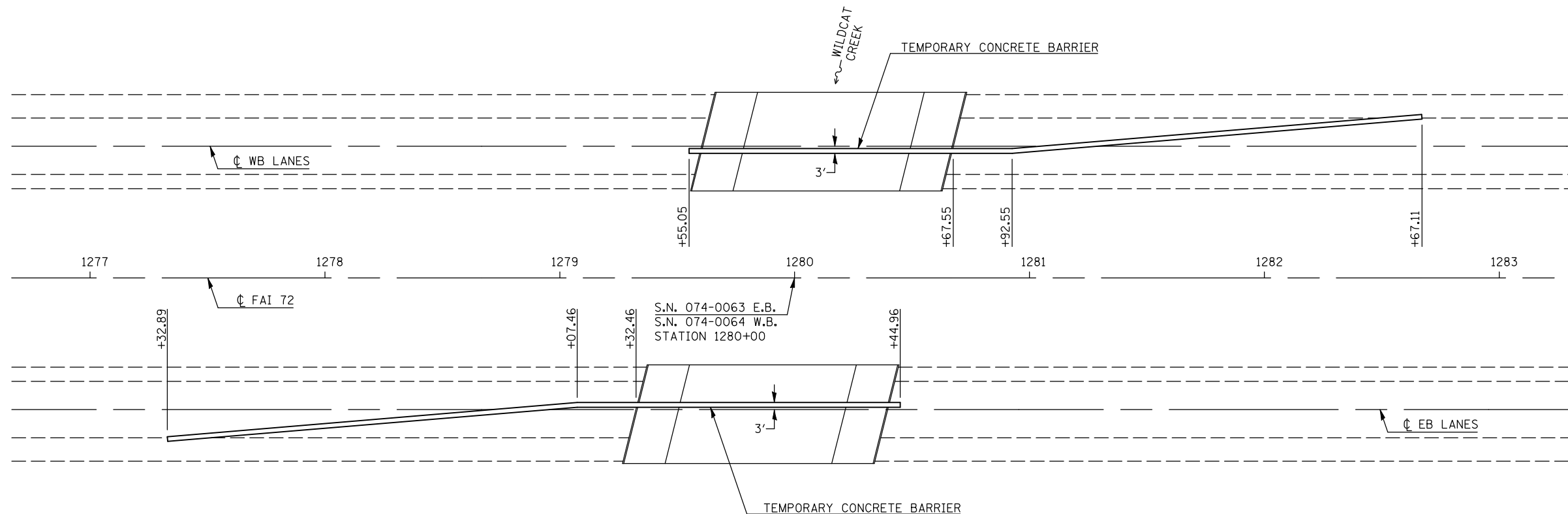
FILE NAME =	USER NAME = ppersonbr	DESIGNED - GMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	AS-BUILT PLANS - S.N. 074-0063 & 074-0064 FOR INFORMATION ONLY	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\p\personbr\d0109687\70022-Bridge Repair Plan.dgn		DRAWN - GMS	REVISED -			72	(58,74-66)&(74-67&68)RS-1	PIATT	251	171
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 70022				
PLOT DATE = 2/8/2010		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET NO. 9 OF 9 SHEETS	STA.	TO STA.		

TEMPORARY CONCRETE BARRIER LAYOUT – STAGE I



TRAFFIC CONTROL DETAILS NOT SHOWN
SHALL CONFORM TO STANDARD 701402

TEMPORARY CONCRETE BARRIER LAYOUT – STAGE II



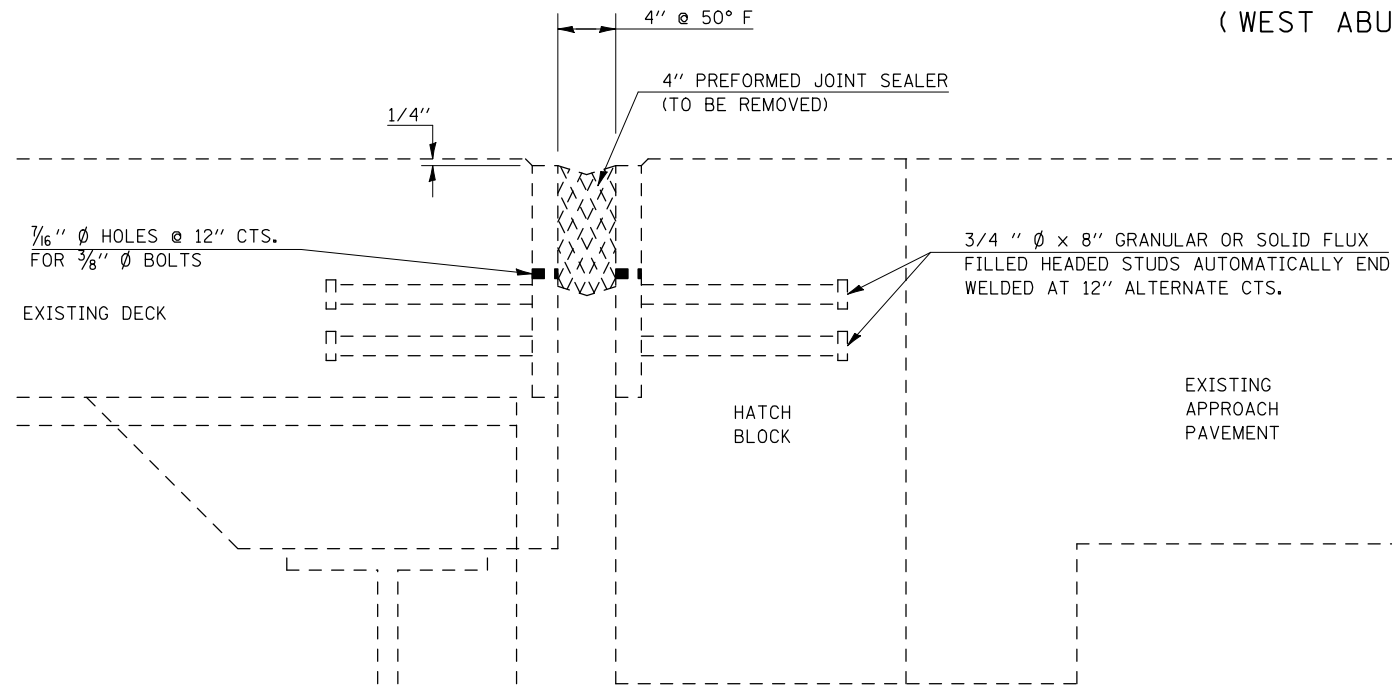
TRAFFIC CONTROL DETAILS NOT SHOWN
SHALL CONFORM TO STANDARD 701402

FILE NAME =	USER NAME = ppersonbr	DESIGNED - GMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CONCRETE BARRIER LAYOUT S.N. 074-0063 & 074-0064	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\p\dot\personbr\d0109687\70022-Bridge Repair Plan.dgn		DRAWN - GMS	REVISED -			72	(58,74-66)&(74-67&68)RS-1	PIATT	251	172	
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 70022					
PLOT DATE = 2/8/2010		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET NO. OF SHEETS		STA. TO STA.			

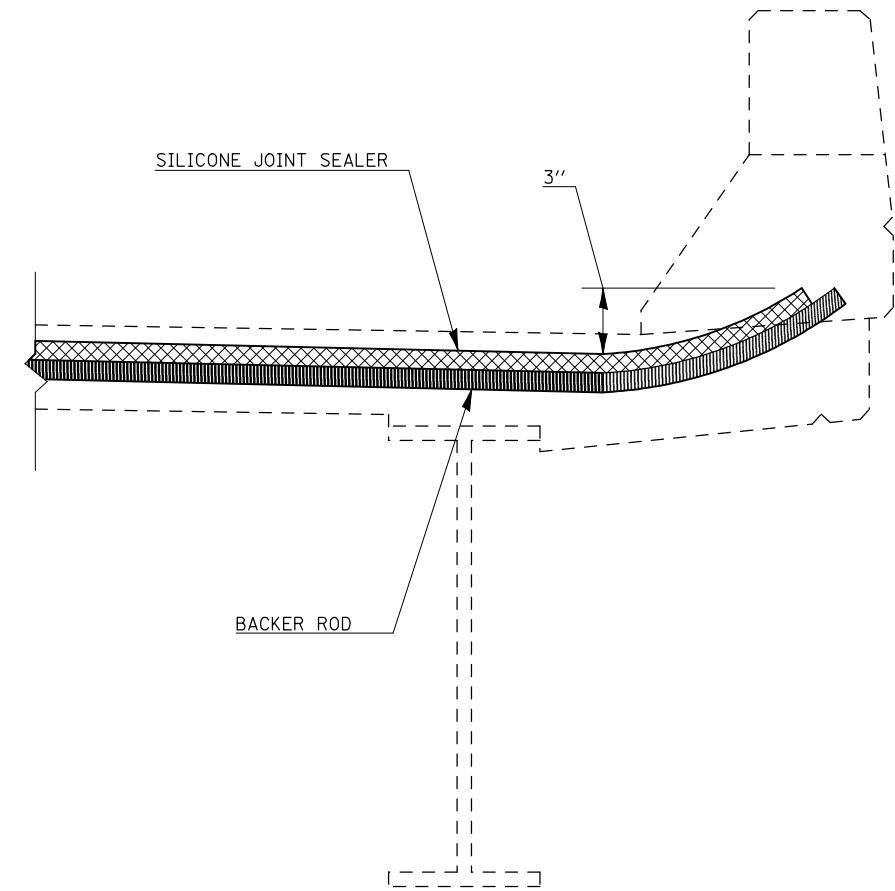
JOINT REPAIR DETAILS

S.N. 074-0067

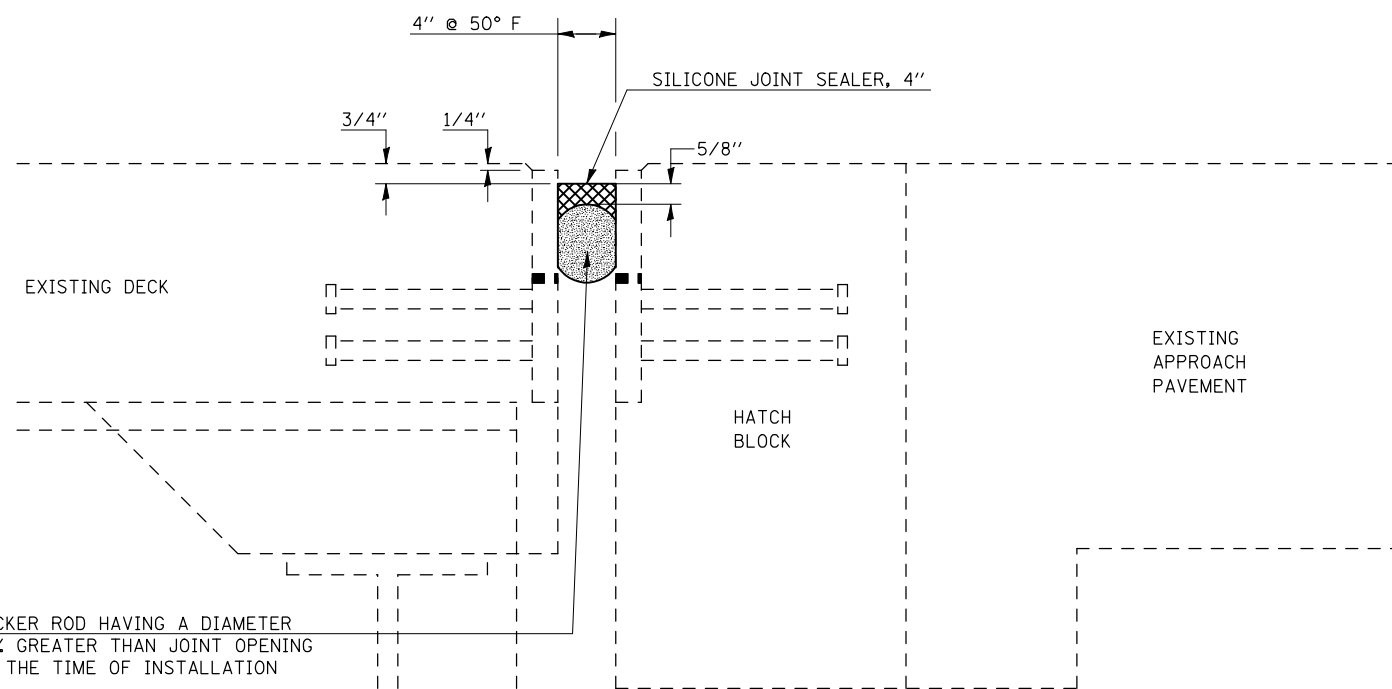
(WEST ABUTMENT JOINT)



SECTION AT EXISTING JOINT



SECTION AT PARAPET



SECTION AT PROPOSED JOINT

NOTES

REMOVE EXISTING PREFORMED JOINT SEALER AND REPLACE WITH SILICONE JOINT SEALER.

REMOVAL OF THE EXISTING PREFORMED JOINT SEALER IS INCLUDED IN THE COST OF SILICONE JOINT SEALER.

BILL OF MATERIALS

ITEM	UNIT	TOTAL
SILICONE JOINT SEALER, 4"	FOOT	53.5

FILE NAME =	USER NAME = p1ersonbr	DESIGNED - GMS	REVISED -
ct:\pw\work\p1dot\p1ersonbr\d0109687\70022-Bridge Repair Plan.dgn		DRAWN - GMS	REVISED -
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	PLOT DATE = 2/8/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

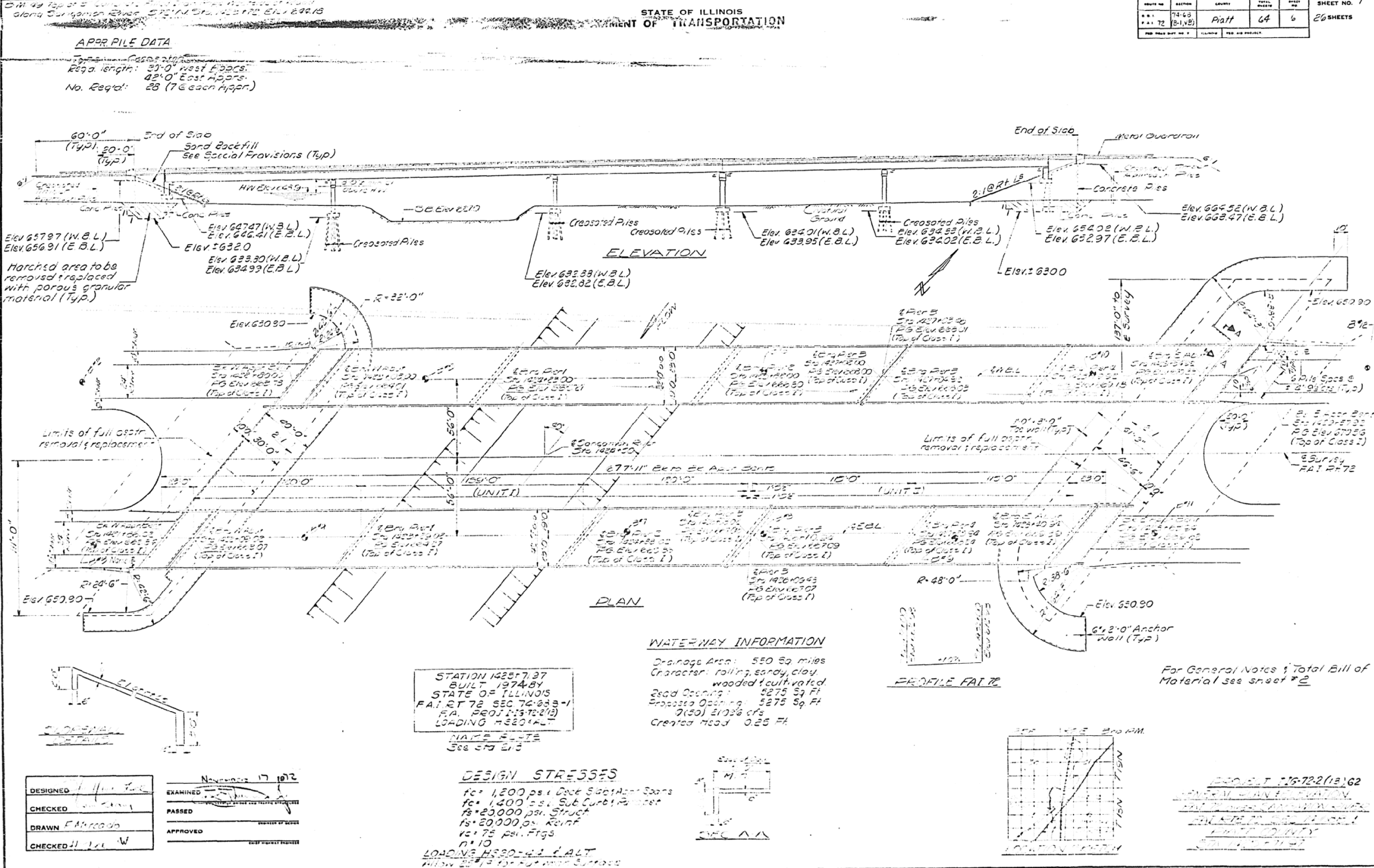
JOINT REPAIR DETAILS
S.N. 074-0067

SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(58,74-66)&(74-67&68)RS-1	PIATT	251	173
CONTRACT NO. 70022				
ILLINOIS FED. AID PROJECT				

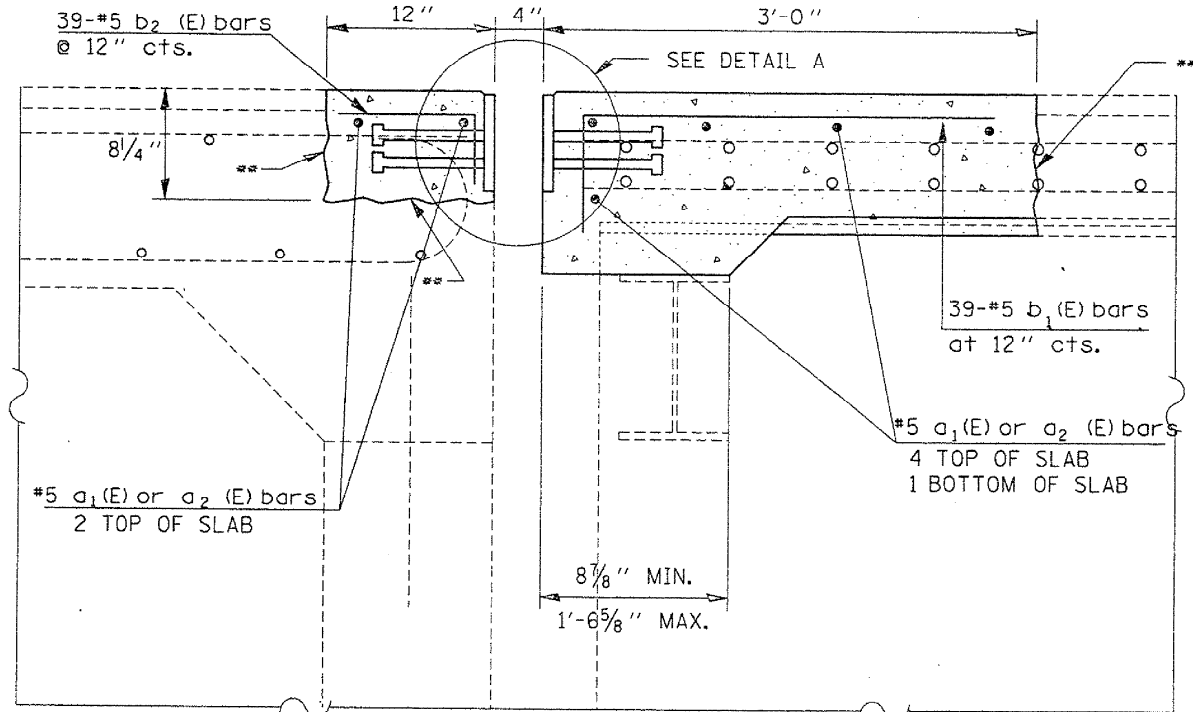
AS-BUILT PLANS - S.N. 074-0067 FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	74-66	PIATT	64	6
SHEET NO. 1 26 SHEETS				



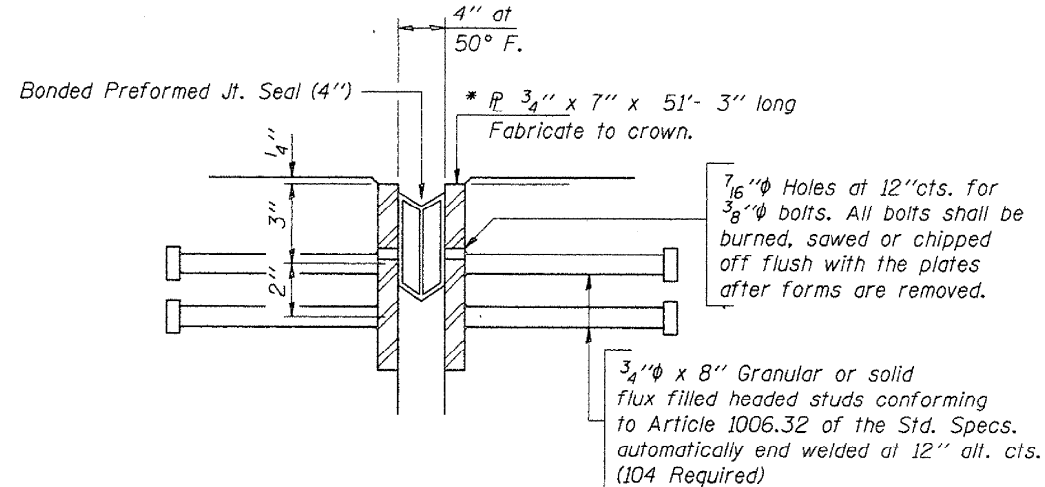
AS-BUILT PLANS – S.N. 074-0067 FOR INFORMATION ONLY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(74-688-1)	PIATT	20	12



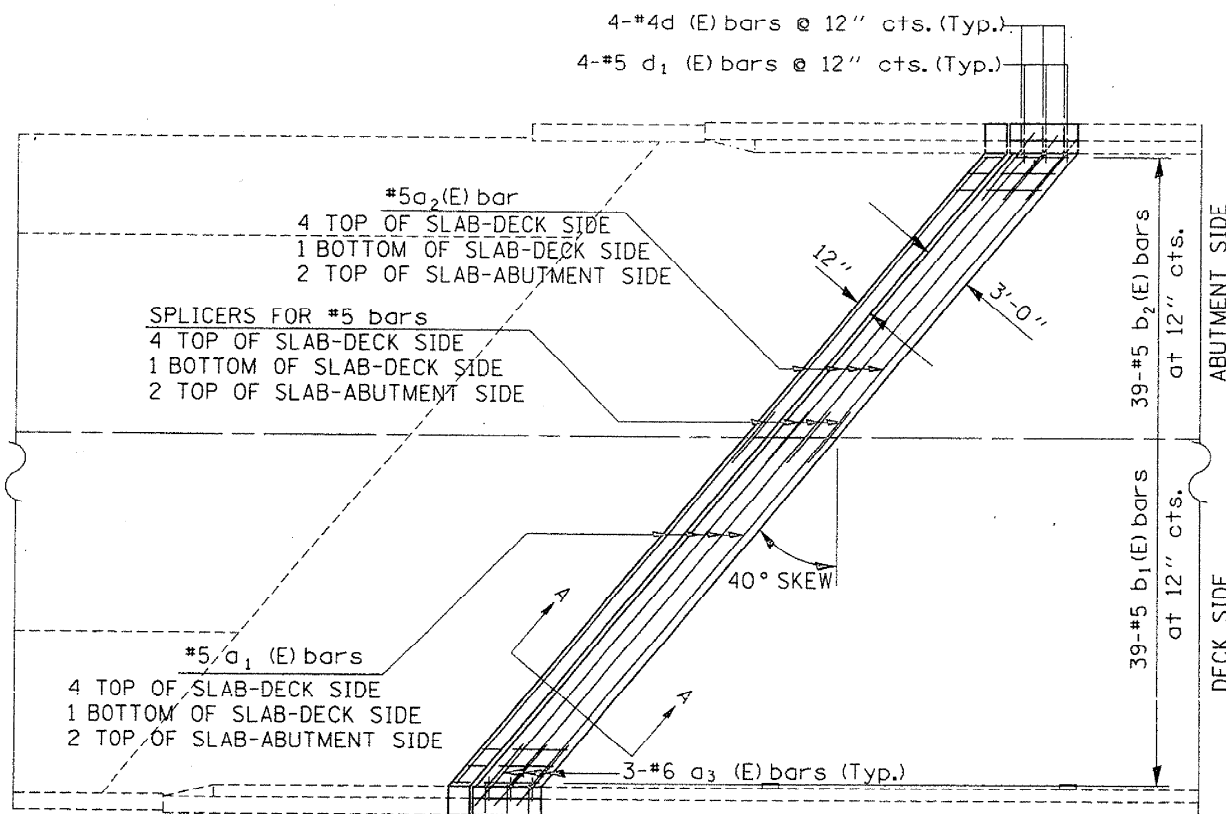
SECTION A-A

** BONDED CONSTRUCTION JOINT

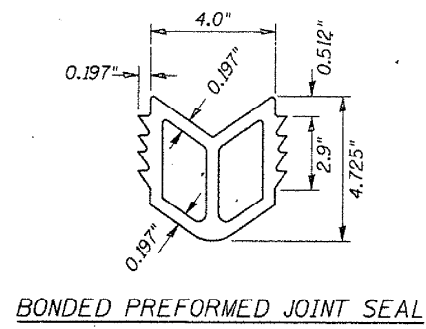


DETAIL A

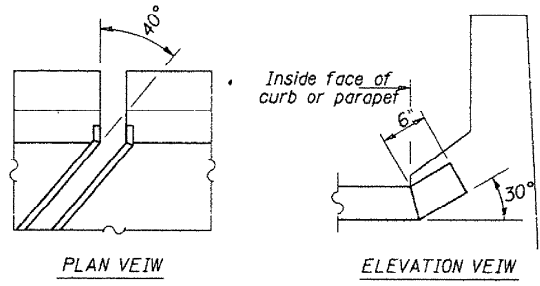
* Furnish in segments of 20 ft. maximum length. Maximum space between installed segments shall be 3/16". Seal space with Silicone Sealant suitable for Structural Steel.



WEST ABUTMENT



BONDED PREFORMED JOINT SEAL



END OF PLATE DETAIL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
a ₁ (E)	14	#5	27'-9"	—	
a ₂ (E)	14	#5	22'-6"	—	
b ₁ (E)	78	#5	4'-0"	┌	
b ₂ (E)	78	#5	1'-2"	┌	
Concrete Superstructure				Cu. Yd.	16.0
Reinforcement Bars (Epoxy Coated)				Pound	1160
Bar Splicers				Each	14
Structural Steel				Pound	3960

QUANTITIES ARE FOR BOTH STRUCTURES

WEST ABUTMENT JOINT REPAIR
DETAIL SHEET

FILE NAME =	USER NAME = ppersonbr	DESIGNED - GMS	REVISED -
ct:\pw\work\pmsdot\ppersonbr\d0109687\70022-Bridge Repair Plan.dgn		DRAWN - GMS	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 2/8/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**AS-BUILT PLANS – S.N. 074-0067
FOR INFORMATION ONLY**

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(58,74-66)&(74-67&68)RS-1	PIATT	251	175
				CONTRACT NO. 70022
ILLINOIS FED. AID PROJECT				

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	176

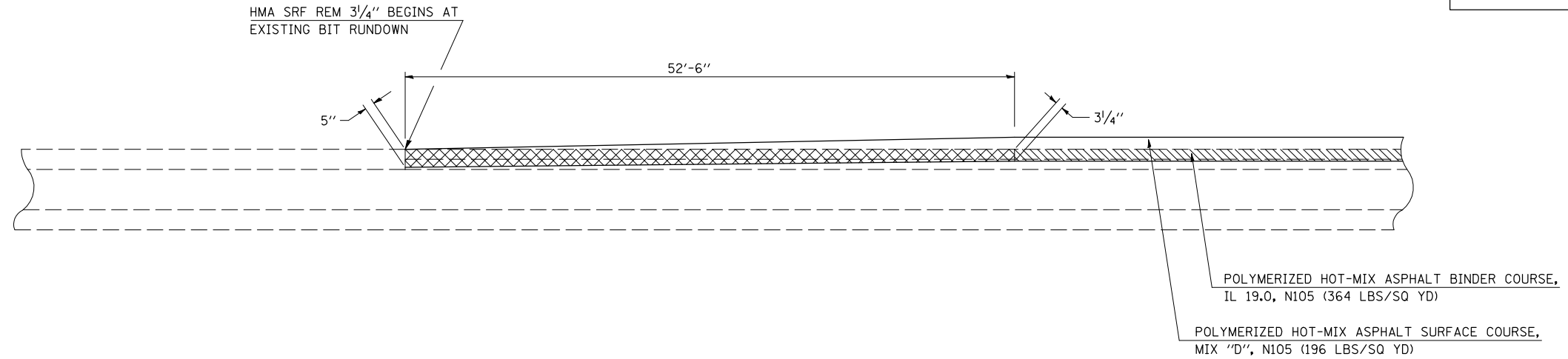
*(58,74-66)&(74-67&68)RS-1



DETAILS FOR I-72 MAINLINE MILLING AND RESURFACING TRANSITIONS

MILLING TRANSITION AT BEGINNING OF PROJECT

STATION 910+00.00 TO STATION 910+52.50 EB & WB

NOTE:
 AREA OF MILLING TRANSITION SHALL BE INCLUDED IN CONTRACT UNIT PRICE FOR THE HOT-MIX ASPHALT SURFACE REMOVAL - 3/4". NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

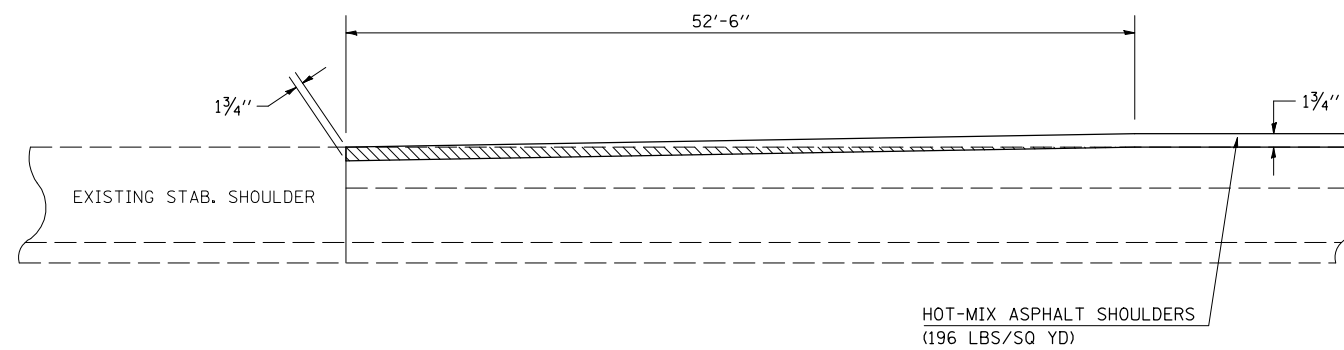



-  HOT-MIX ASPHALT SURFACE REMOVAL - 3/4"
-  MILLING TRANSITION HOT-MIX ASPHALT SURFACE REMOVAL FROM 5" TO 3/4"

NOT TO SCALE

DETAIL FOR HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT AT MAINLINE SHOULDERS

STATION 910+00.00 TO STATION 910+52.50 EB & WB



-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT AT MAINLINE SHOULDERS

NOT TO SCALE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DETAILS FOR I-72 MAINLINE
 MILLING AND RESURFACING TRANSITIONS**
 F.A.I. ROUTE 72
 SECTION (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
Sheet 1 of 4
 SCALE: NONE
 DATE: 12/15/09
 DRAWN BY: CADD
 CHECKED BY: R.T.B.

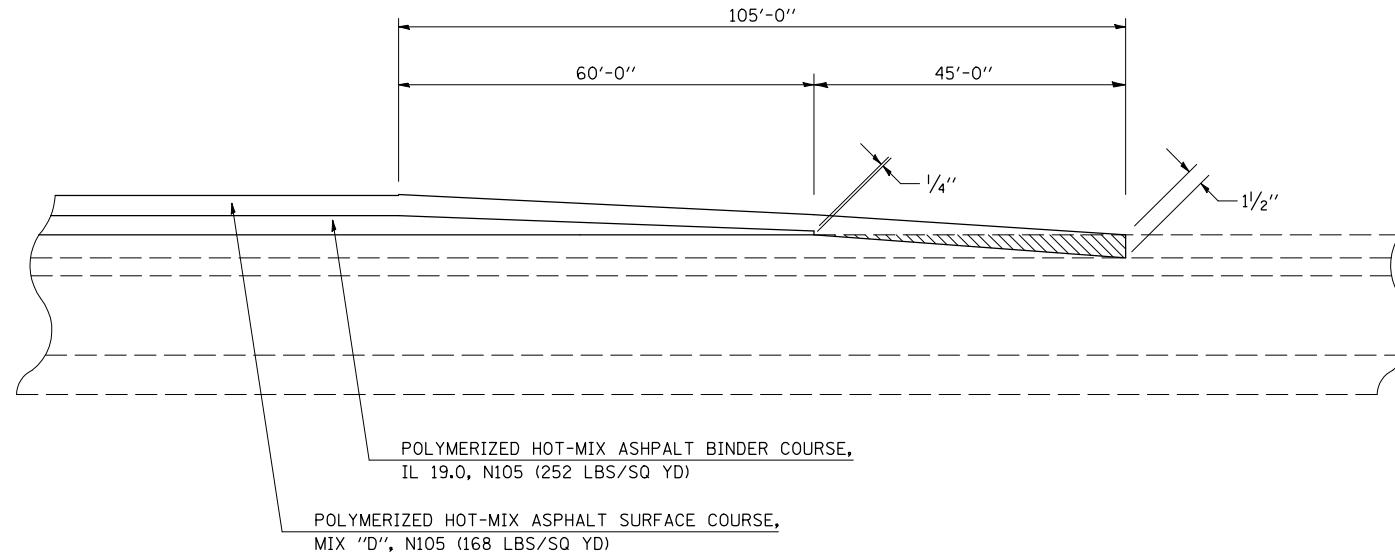
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	179


* (58,74-66)&(74-67&68)RS-1

DETAILS FOR I-72 MAINLINE MILLING AND RESURFACING TRANSITIONS

HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT AT END OF PROJECT

STATION 1376+84.00 TO STATION 1377+89.00

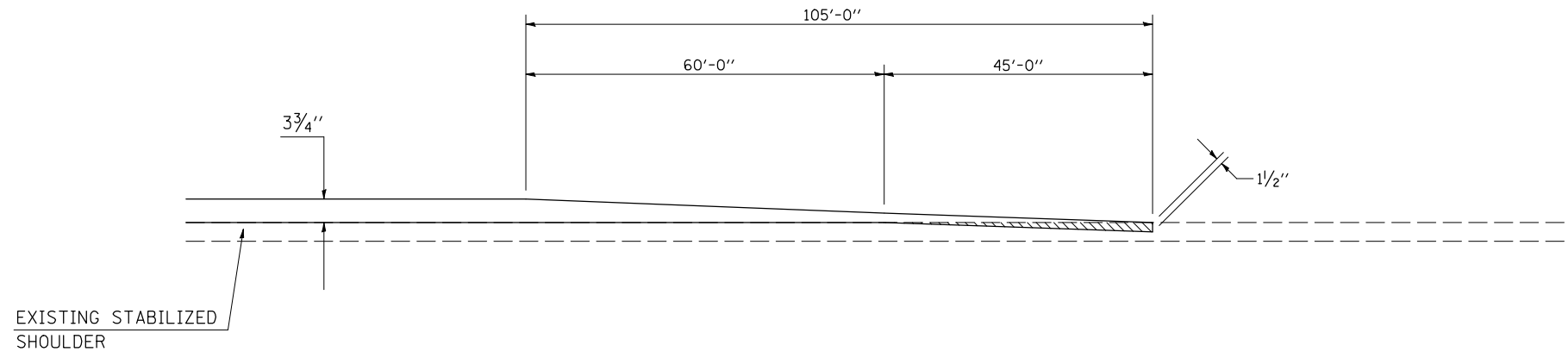


 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT AT MAINLINE PAVEMENT TRAVELED WAY


NOT TO SCALE

HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT AT MAINLINE SHOULDERS

STATION 1376+84.00 TO STATION 1377+89.00



 EXISTING STABILIZED SHOULDER

 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT AT MAINLINE SHOULDERS

NOT TO SCALE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS FOR I-72 MAINLINE MILLING AND RESURFACING TRANSITIONS
 F.A.I. ROUTE 72
 SECTION (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 Sheet 4 of 4




SCALE: NONE
 DATE: 12/15/09
 DRAWN BY: CADD
 CHECKED BY: R.T.B.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	180

* (58,74-66)&(74-67&68)RS-1

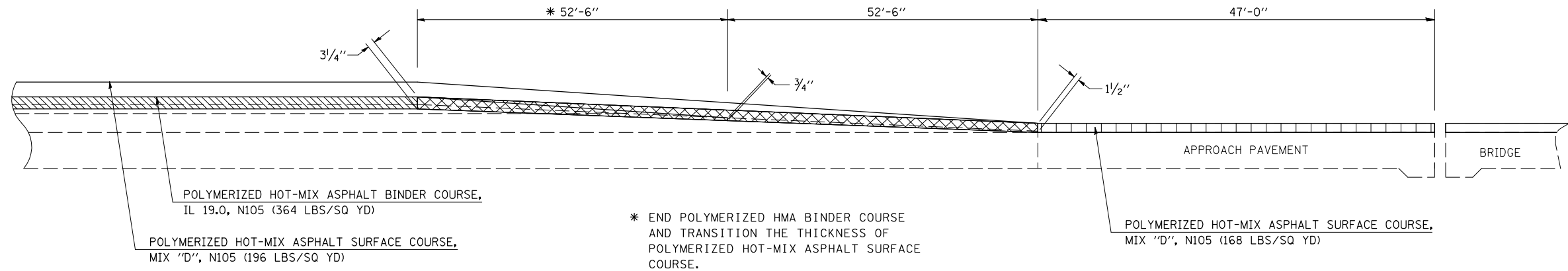
DETAILS FOR I-72 MAINLINE STRUCTURE MILLING AND RESURFACING TRANSITIONS

MILLING & RESURFACING TRANSITION AT WILDCAT CREEK STRUCTURES

-  HOT-MIX ASPHALT SURFACE REMOVAL - 3/4"
-  MILLING TRANSITION HOT-MIX ASPHALT SURFACE REMOVAL FROM 3/4" TO 1 1/2"
-  HOT-MIX ASPHALT SURFACE REMOVAL - 1/2"

- S. N. 074-0064 STATION 1278+08.88 TO STATION 1279+60.88 WB
- S. N. 074-0064 STATION 1280+67.05 TO STATION 1282+19.05 WB
- S. N. 074-0063 STATION 1277+80.96 TO STATION 1279+32.96 EB
- S. N. 074-0063 STATION 1280+39.13 TO STATION 1281+91.13 EB

NOTE:
 AREA OF MILLING TRANSITION SHALL BE INCLUDED IN CONTRACT UNIT PRICE FOR THE HOT-MIX ASPHALT SURFACE REMOVAL - 3/4". NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.



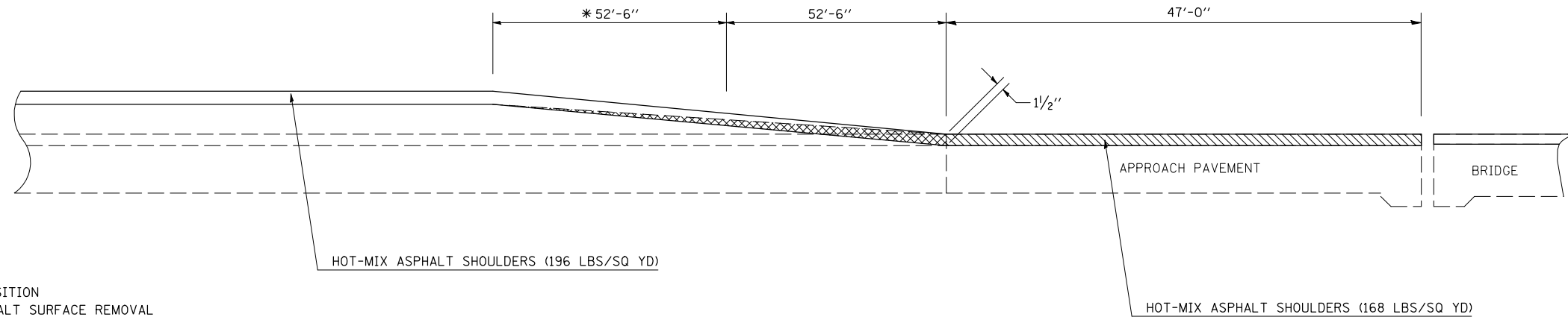
* END POLYMERIZED HMA BINDER COURSE AND TRANSITION THE THICKNESS OF POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE.

NOT TO SCALE



HOT-MIX ASPHALT SURFACE REMOVAL SHOULDERS AT WILDCAT CREEK STRUCTURES

- S. N. 074-0064 LT/RT STATION 1278+08.88 TO STATION 1279+60.88 WB
- S. N. 074-0064 LT/RT STATION 1280+67.05 TO STATION 1282+19.05 WB
- S. N. 074-0063 LT/RT STATION 1277+80.96 TO STATION 1279+32.96 EB
- S. N. 074-0063 LT/RT STATION 1280+39.13 TO STATION 1281+91.13 EB

NOTE:
 AREA OF MILLING TRANSITION SHALL BE INCLUDED IN CONTRACT UNIT PRICE FOR THE HOT-MIX ASPHALT SURFACE REMOVAL - 1/2". NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.



* TRANSITION THE THICKNESS OF HOT-MIX ASPHALT SHOULDER FROM 1 3/4" TO 1 1/2"

-  MILLING TRANSITION HOT-MIX ASPHALT SURFACE REMOVAL FROM 0" TO 1 1/2"
-  HOT-MIX ASPHALT SURFACE REMOVAL - 1/2" AT MAINLINE SHOULDERS

NOT TO SCALE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DETAILS FOR I-72 MAINLINE STRUCTURE
 MILLING AND RESURFACING TRANSITIONS**
 F.A.I. ROUTE 72
 SECTION (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 Sheet 1 of 4




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 DATE: 12/15/09
 DRAWN BY:
 CHECKED BY: R.T.B.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	182

*(58,74-66)&(74-67&68)RS-1

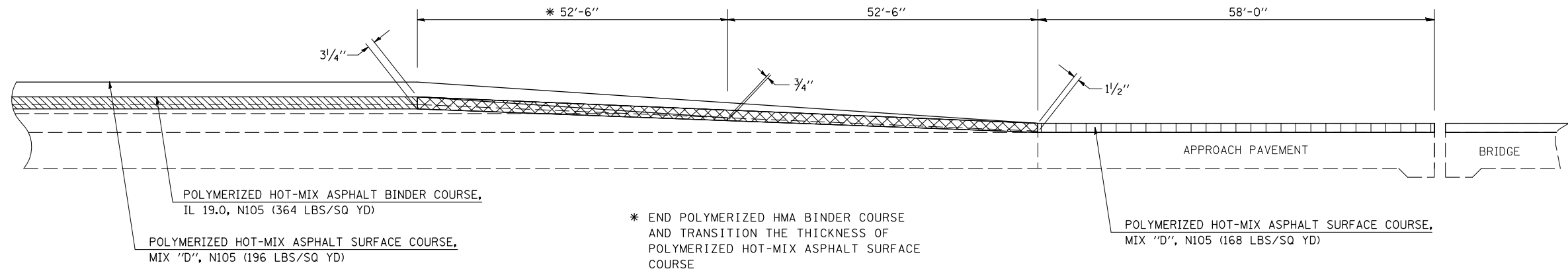
DETAILS FOR I-72 MAINLINE STRUCTURE MILLING AND RESURFACING TRANSITIONS

MILLING & RESURFACING TRANSITION AT NSRR STRUCTURES

-  HOT-MIX ASPHALT SURFACE REMOVAL - 3/4"
-  MILLING TRANSITION HOT-MIX ASPHALT SURFACE REMOVAL FROM 3/4" TO 1/2"
-  HOT-MIX ASPHALT SURFACE REMOVAL - 1/2"

S. N. 074-0070	STATION 1436+60.00 TO STATION 1438+22.94	WB
S. N. 074-0070	STATION 1440+46.02 TO STATION 1442+09.00	WB
S. N. 074-0069	STATION 1435+32.00 TO STATION 1436+95.20	EB
S. N. 074-0069	STATION 1439+18.28 TO STATION 1440+81.00	EB

NOTE:
 AREA OF MILLING TRANSITION SHALL BE INCLUDED IN CONTRACT UNIT PRICE FOR THE HOT-MIX ASPHALT SURFACE REMOVAL - 3/4". NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

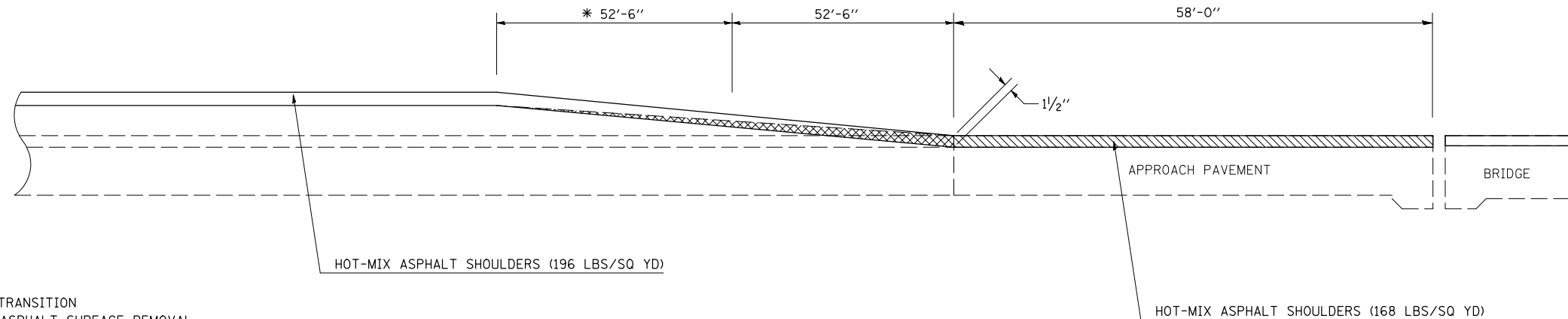


NOT TO SCALE



HOT-MIX ASPHALT SURFACE REMOVAL SHOULDERS AT NSRR STRUCTURES

S. N. 074-0070	LT/RT	STATION 1436+60.00 TO STATION 1438+22.94	WB
S. N. 074-0070	LT/RT	STATION 1440+46.02 TO STATION 1442+09.00	WB
S. N. 074-0069	LT/RT	STATION 1435+32.00 TO STATION 1436+95.20	EB
S. N. 074-0069	LT/RT	STATION 1439+18.28 TO STATION 1440+81.00	EB

NOTE:
 AREA OF MILLING TRANSITION SHALL BE INCLUDED IN CONTRACT UNIT PRICE FOR THE HOT-MIX ASPHALT SURFACE REMOVAL - 1/2". NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.



NOT TO SCALE

-  MILLING TRANSITION HOT-MIX ASPHALT SURFACE REMOVAL FROM 0" TO 1/2"
-  HOT-MIX ASPHALT SURFACE REMOVAL - 1/2" AT MAINLINE SHOULDERS

* TRANSITION THE THICKNESS OF POLYMERIZED HOT-MIX ASPHALT SHOULDER FROM 1 3/4" TO 1 1/2"

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 DETAILS FOR I-72 MAINLINE STRUCTURE
 MILLING AND RESURFACING TRANSITIONS**

F.A.I. ROUTE 72
 SECTION (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 Sheet 3 of 4

SCALE: NONE DATE: 12/15/09 DRAWN BY: CHECKED BY: R.T.B.


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 USER NAME = pva\pva


DETAILS FOR I-72 MAINLINE STRUCTURE MILLING AND RESURFACING TRANSITIONS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	183

*(58,74-66)&(74-67&68)RS-1

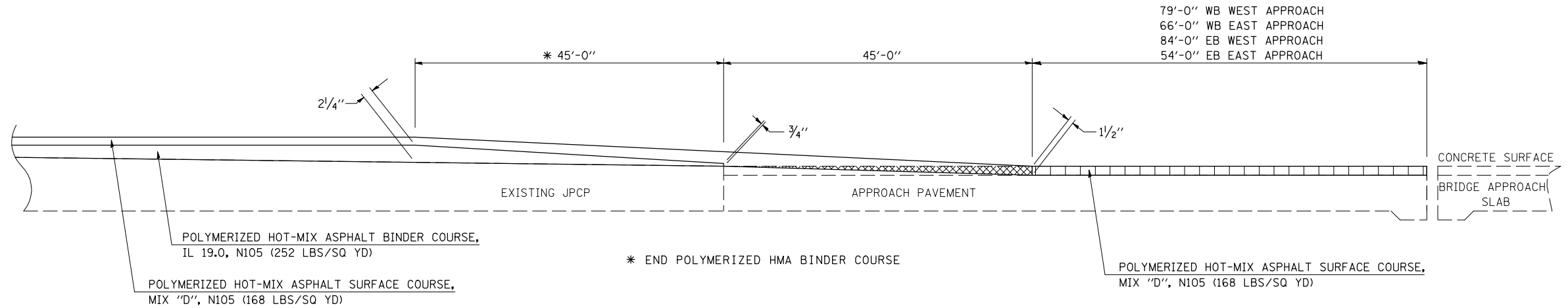
MILLING & RESURFACING TRANSITION AT ICRR (ABANDONED) STRUCTURES

 MILLING TRANSITION
HOT-MIX ASPHALT SURFACE REMOVAL
FROM 0" TO 1/2"

 HOT-MIX ASPHALT SURFACE
REMOVAL - 1/2"

S. N. 074-0002 STATION 1298+76.62 TO STATION 1300+45.62 WB
S. N. 074-0002 STATION 1302+54.29 TO STATION 1304+10.29 WB
S. N. 074-0001 STATION 1298+80.10 TO STATION 1300+54.10 EB
S. N. 074-0001 STATION 1302+62.80 TO STATION 1304+06.80 EB

NOTE:
AREA OF MILLING TRANSITION SHALL
BE INCLUDED IN CONTRACT UNIT PRICE
FOR THE HOT-MIX ASPHALT SURFACE
REMOVAL - 1/2". NO ADDITIONAL
COMPENSATION SHALL BE ALLOWED.

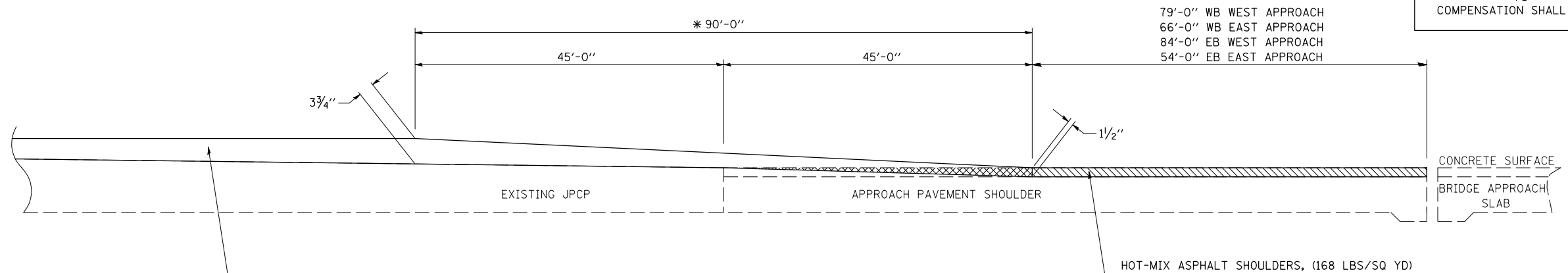


NOT TO SCALE


HOT-MIX ASPHALT SURFACE REMOVAL SHOULDERS AT ICRR (ABANDONED) STRUCTURES


S. N. 074-0002 LT/RT STATION 1298+76.62 TO STATION 1300+45.62 WB
S. N. 074-0002 LT/RT STATION 1302+54.29 TO STATION 1304+10.29 WB
S. N. 074-0001 LT/RT STATION 1298+80.10 TO STATION 1300+54.10 EB
S. N. 074-0001 LT/RT STATION 1302+62.80 TO STATION 1304+06.80 EB

NOTE:
AREA OF MILLING TRANSITION SHALL
BE INCLUDED IN CONTRACT UNIT PRICE
FOR THE HOT-MIX ASPHALT SURFACE
REMOVAL - 1/2". NO ADDITIONAL
COMPENSATION SHALL BE ALLOWED.



NOT TO SCALE

 MILLING TRANSITION
HOT-MIX ASPHALT SURFACE REMOVAL
FROM 0" TO 1/2"

 HOT-MIX ASPHALT SURFACE
REMOVAL - 1/2"
AT MAINLINE SHOULDERS

* TRANSITION THE THICKNESS OF
POLYMERIZED HOT-MIX ASPHALT
SHOULDER FROM 3 3/4" TO 1 1/2"

ILLINOIS DEPARTMENT OF TRANSPORTATION DETAILS FOR I-72 MAINLINE STRUCTURE MILLING AND RESURFACING TRANSITIONS

F.A.I. ROUTE 72
SECTION (58,74-66)&(74-67&68)RS-1
PIATT COUNTY
Sheet 4 of 4

SCALE: NONE DRAWN BY:
DATE: 12/15/09 CHECKED BY: R.T.B.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	185

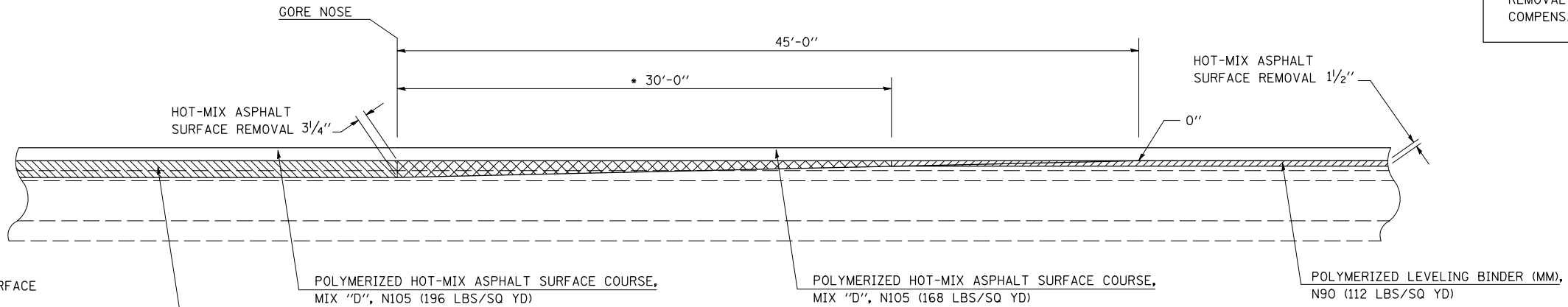
*(58,74-66)&(74-67&68)RS-1




DETAILS FOR GORE NOSE MILLING AND RESURFACING TRANSITIONS

MILLING AND RESURFACING TRANSITIONS AT INTERCHANGE RAMPS

IL 105 RAMP A STATION 106+50.00 TO STATION 106+95.00
 IL 105 RAMP B STATION 210+31.00 TO STATION 210+76.00
 IL 105 RAMP C STATION 306+00.00 TO STATION 306+45.00
 IL 105 RAMP D STATION 420+27.00 TO STATION 420+72.00

NOTE:
 AREA OF MILLING TRANSITION SHALL BE INCLUDED IN CONTRACT UNIT PRICE FOR THE HOT-MIX ASPHALT SURFACE REMOVAL - 3/4". NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.



-  HOT-MIX ASPHALT SURFACE REMOVAL - 3/4"
-  MILLING TRANSITION HOT-MIX ASPHALT SURFACE REMOVAL FROM 3/4" TO 1/2"
-  HOT-MIX ASPHALT SURFACE REMOVAL - 1/2"

POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N105 (364 LBS/SQ YD)

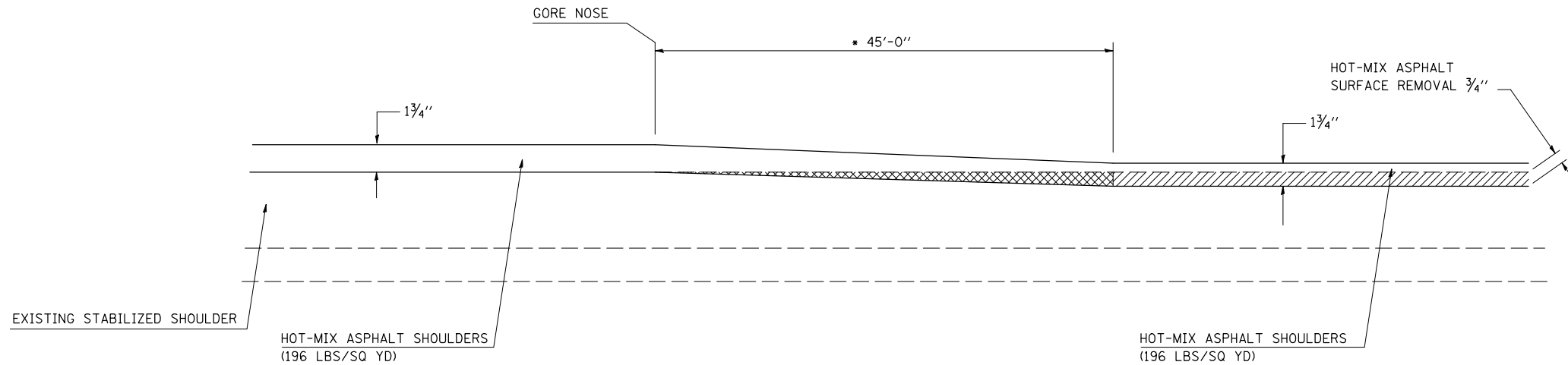
• END POLYMERIZED HMA BINDER COURSE, BEGIN POLYMERIZED LEVELING BINDER (MM) AND TRANSITION THE THICKNESS OF POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE.



NOT TO SCALE

HOT-MIX ASPHALT SHOULDER MILLING AND RESURFACING TRANSITIONS AT INTERCHANGE RAMPS

IL 105 RAMP A STATION 106+50.00 TO STATION 106+95.00
 IL 105 RAMP B STATION 210+31.00 TO STATION 210+76.00
 IL 105 RAMP C STATION 306+00.00 TO STATION 306+45.00
 IL 105 RAMP D STATION 420+27.00 TO STATION 420+72.00

NOTE:
 AREA OF MILLING TRANSITION SHALL BE INCLUDED IN CONTRACT UNIT PRICE FOR THE HOT-MIX ASPHALT SURFACE REMOVAL - 3/4". NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.



-  MILLING TRANSITION HOT-MIX ASPHALT SURFACE REMOVAL FROM 0" TO 3/4"
-  HOT-MIX ASPHALT SURFACE REMOVAL 3/4"

NOT TO SCALE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS FOR RAMP
MILLING AND RESURFACING TRANSITIONS
 F.A.I. ROUTE 72
 SECTION (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 Sheet 2 of 3
 SCALE: NONE DRAWN BY: CADD
 DATE: 12/18/09 CHECKED BY: R.T.B.

DETAILS FOR RAMP INTERSECTION RESURFACING TRANSITIONS & BUTT JOINTS

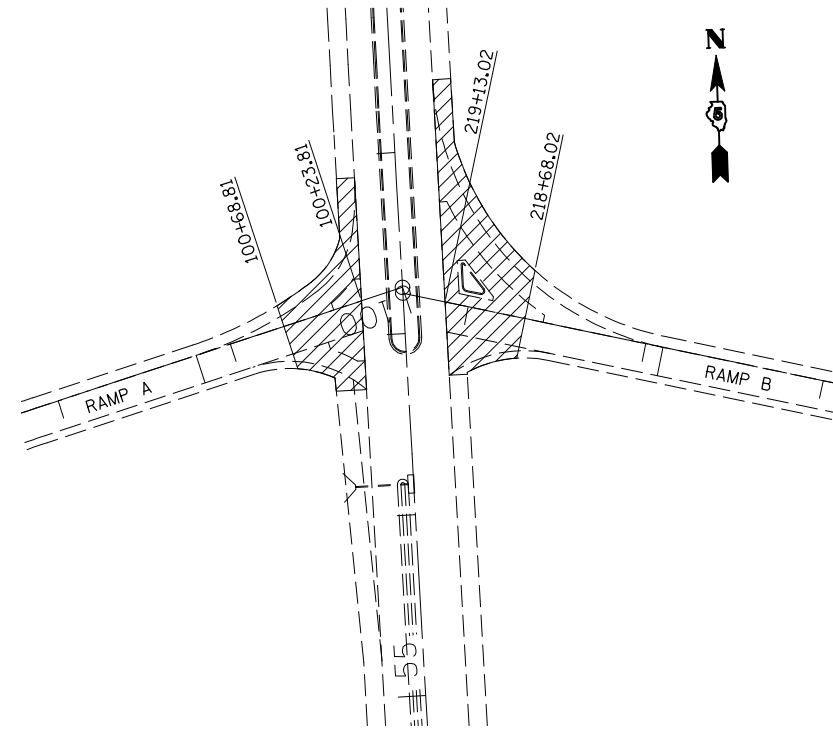
CONTRACT NO. 70022

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	187

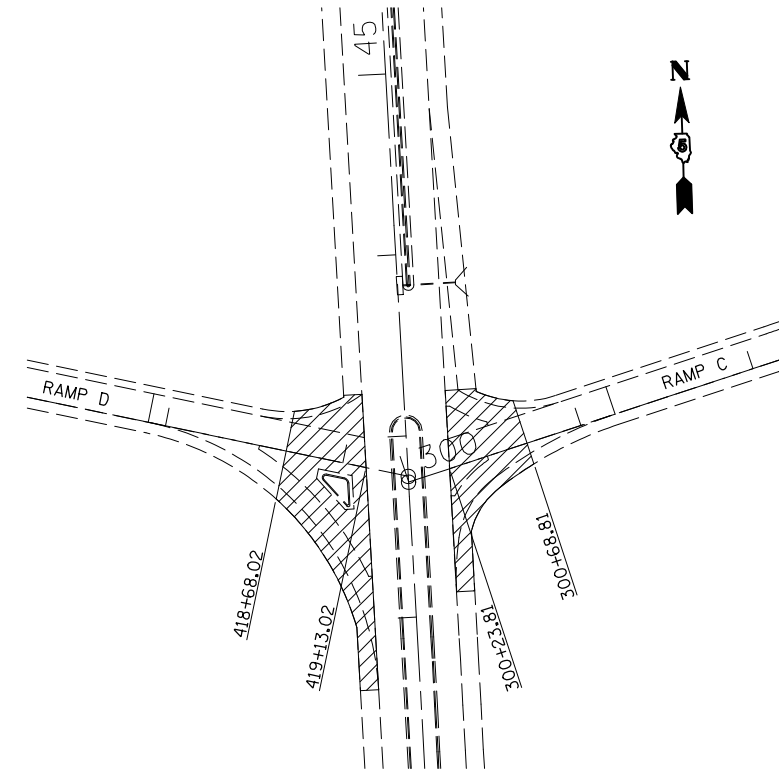
*(58,74-66)&(74-67&68)RS-1


I-72 INTERCHANGE NO. 156 AT IL 48

INTERSECTION OF IL 48 WITH RAMP A & RAMP B



INTERSECTION OF IL 48 WITH RAMP C & RAMP D

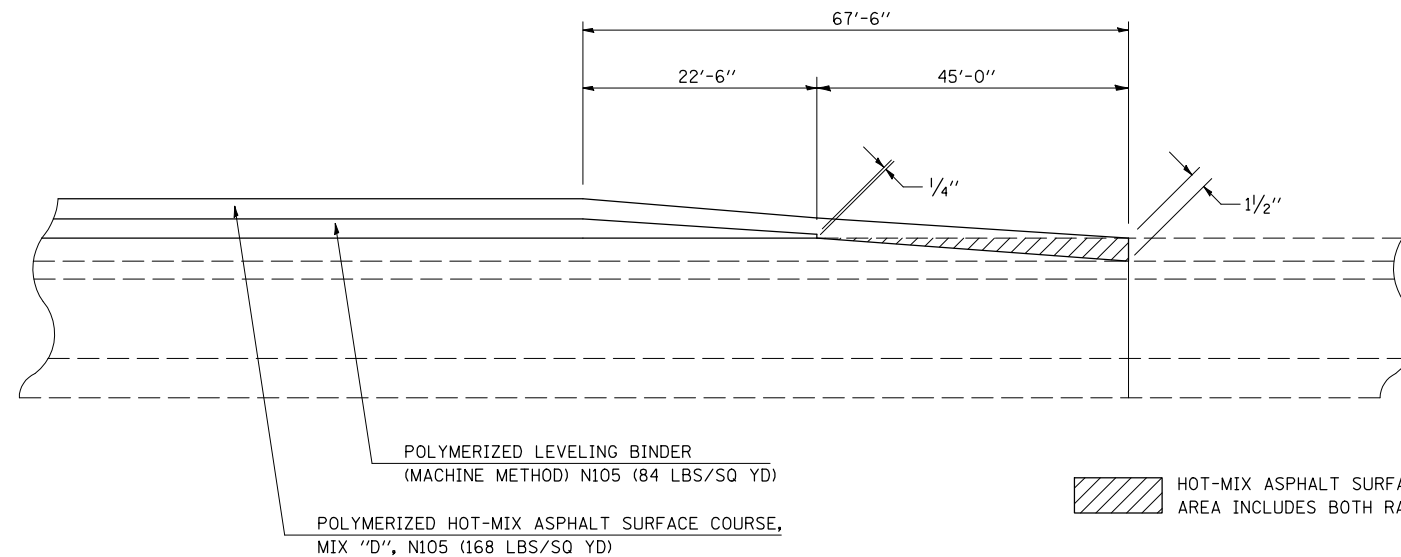


 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
AREA INCLUDES BOTH RAMP LANE AND HMA SHOULDERS

NOT TO SCALE

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

- IL 48 RAMP A STATION 100+23.81 TO STATION 100+68.81
- IL 48 RAMP B STATION 218+68.02 TO STATION 219+13.02
- IL 48 RAMP C STATION 300+23.81 TO STATION 300+68.81
- IL 48 RAMP D STATION 418+68.02 TO STATION 419+13.02



NOT TO SCALE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DETAILS FOR RAMP INTERSECTION
RESURFACING TRANSITIONS & BUTT JOINTS**

F.A.I. ROUTE 72
SECTION (58,74-66)&(74-67&68)RS-1
PIATT COUNTY
Sheet 1 of 4

SCALE: NONE
DATE: 12/18/09

DRAWN BY: CADD
CHECKED BY: R.T.B.

DETAILS FOR RAMP INTERSECTION RESURFACING TRANSITIONS & BUTT JOINTS

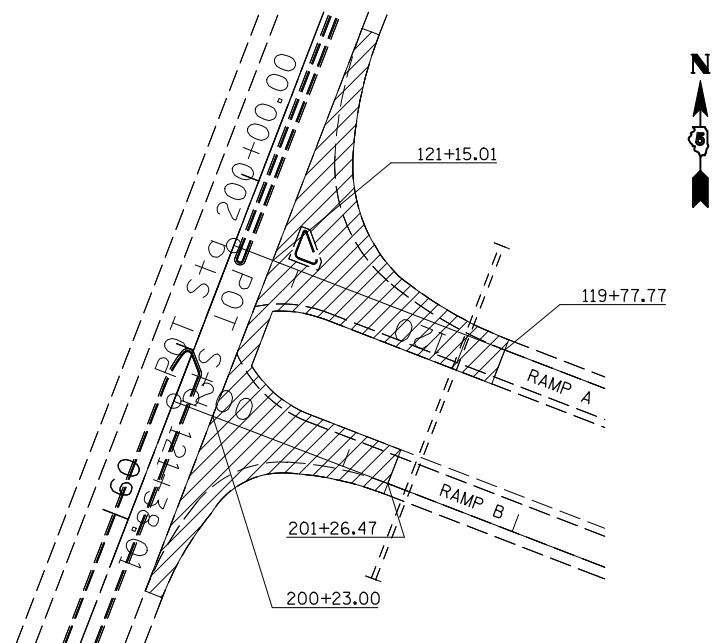
CONTRACT NO. 70022

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	189

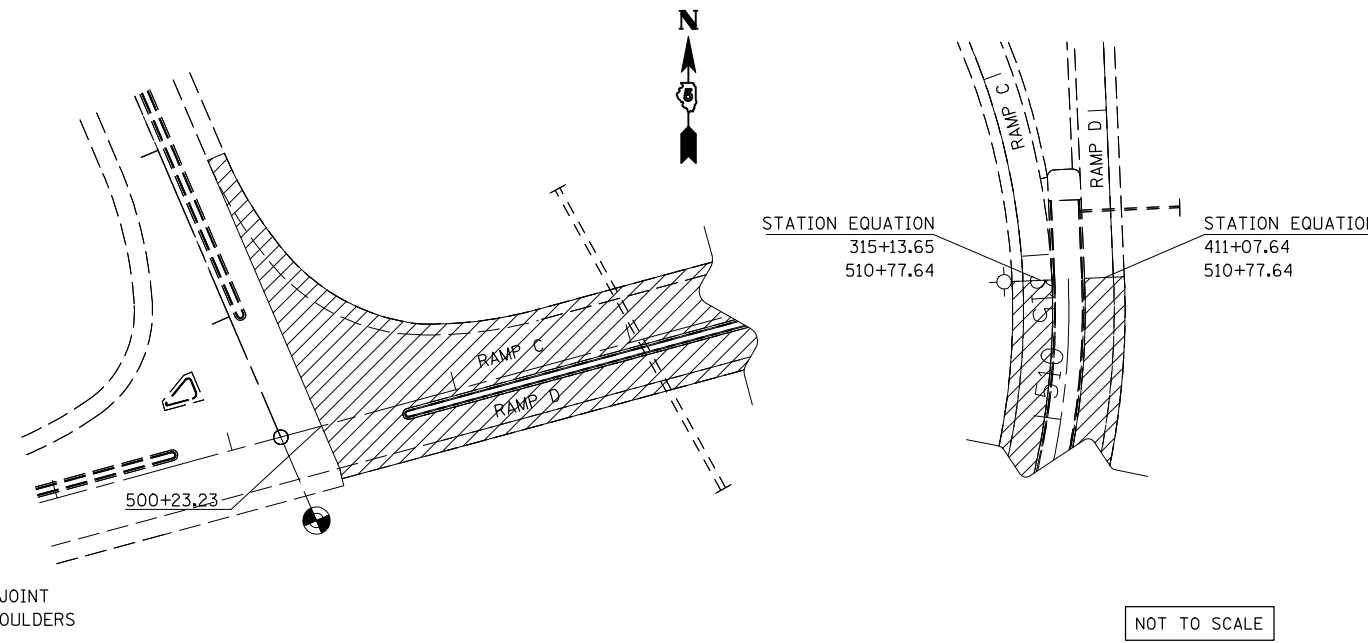
*(58,74-66)&(74-67&68)RS-1


I-72 INTERCHANGE NO. 166 AT IL 105

INTERSECTION OF IL 105 WITH RAMP A & RAMP B



INTERSECTION OF IL 105 WITH RAMP C & RAMP D



 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
AREA INCLUDES BOTH RAMP LANE AND HMA SHOULDERS

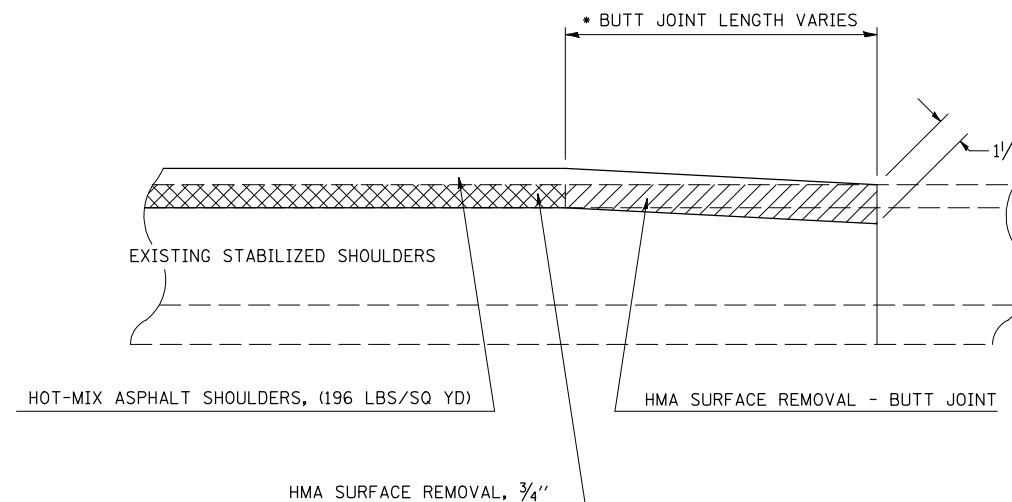
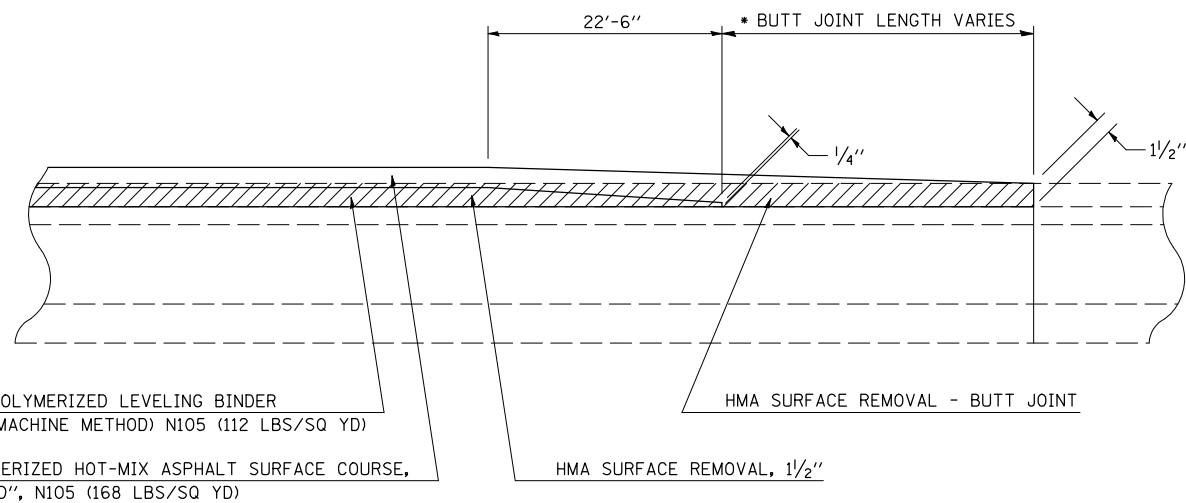
NOT TO SCALE

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT FOR RAMP LANES

- IL 105 RAMP A STATION 119+77.77 TO STATION 121+15.01
- IL 105 RAMP B STATION 200+23.00 TO STATION 201+26.47
- IL 105 RAMP C STATION 500+23.23 TO STATION 510+77.64
- IL 105 RAMP D STATION 500+23.23 TO STATION 510+77.64

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT FOR RAMP SHOULDERS

- * BUTT JOINT LENGTH = 137.24'
- * BUTT JOINT LENGTH = 103.47'
- * BUTT JOINT LENGTH = 1054.41'
- * BUTT JOINT LENGTH = 1054.41'



NOT TO SCALE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DETAILS FOR RAMP INTERSECTION
RESURFACING TRANSITIONS & BUTT JOINTS**

F.A.I. ROUTE 72
SECTION (58,74-66)&(74-67&68)RS-1
PIATT COUNTY
Sheet 3 of 4

SCALE: NONE
DATE: 12/18/09

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CHECKED BY: R.T.B.

PLOT DATE = 2/8/2010
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DETAILS FOR RAMP INTERSECTION RESURFACING TRANSITIONS & BUTT JOINTS

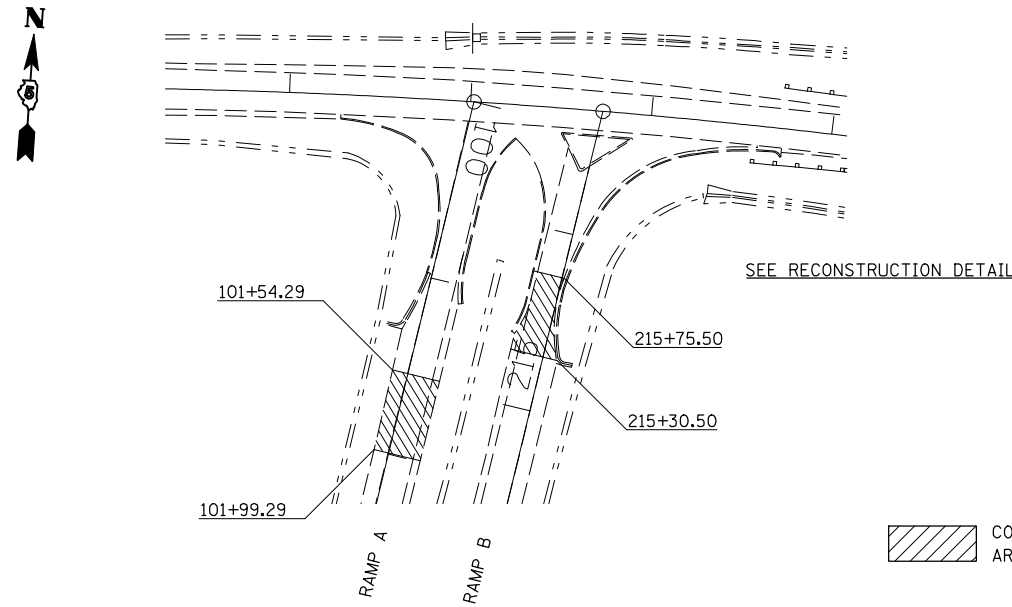
CONTRACT NO. 70022

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	190

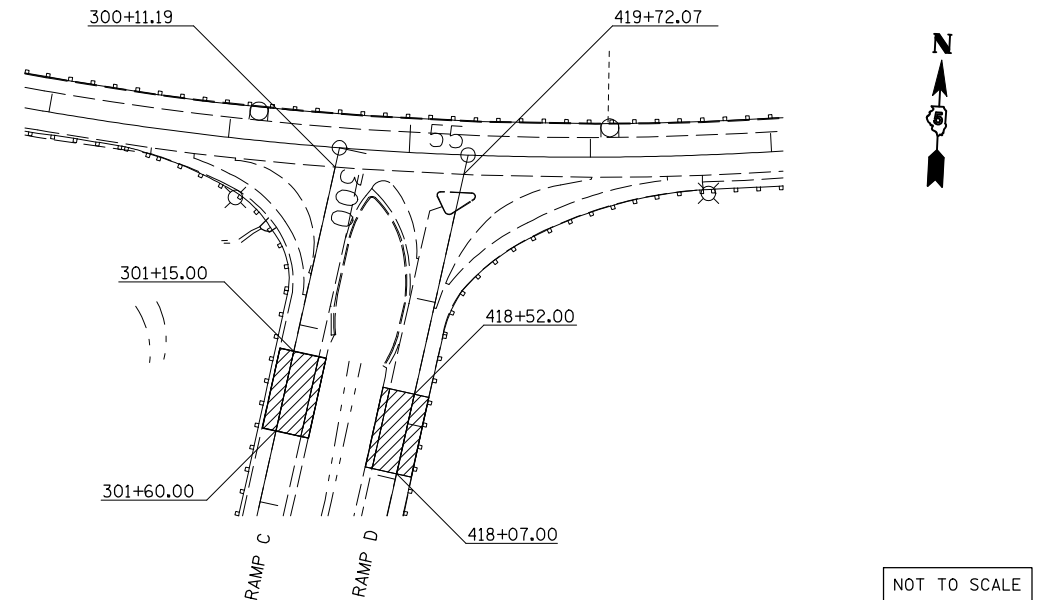
* (58,74-66)&(74-67&68)RS-1


I-72 INTERCHANGE NO. 169 AT FAS 1532 (OLD 47)

INTERSECTION OF FAS 1532 (OLD 47) WITH RAMP A & RAMP B



INTERSECTION OF FAS 1532 (OLD 47) WITH RAMP C & RAMP D

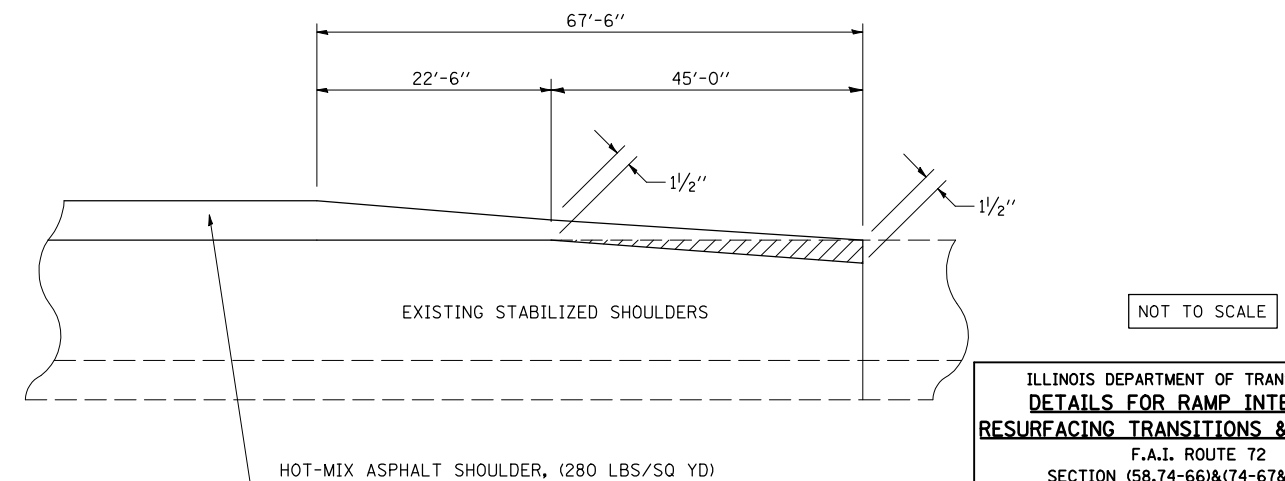
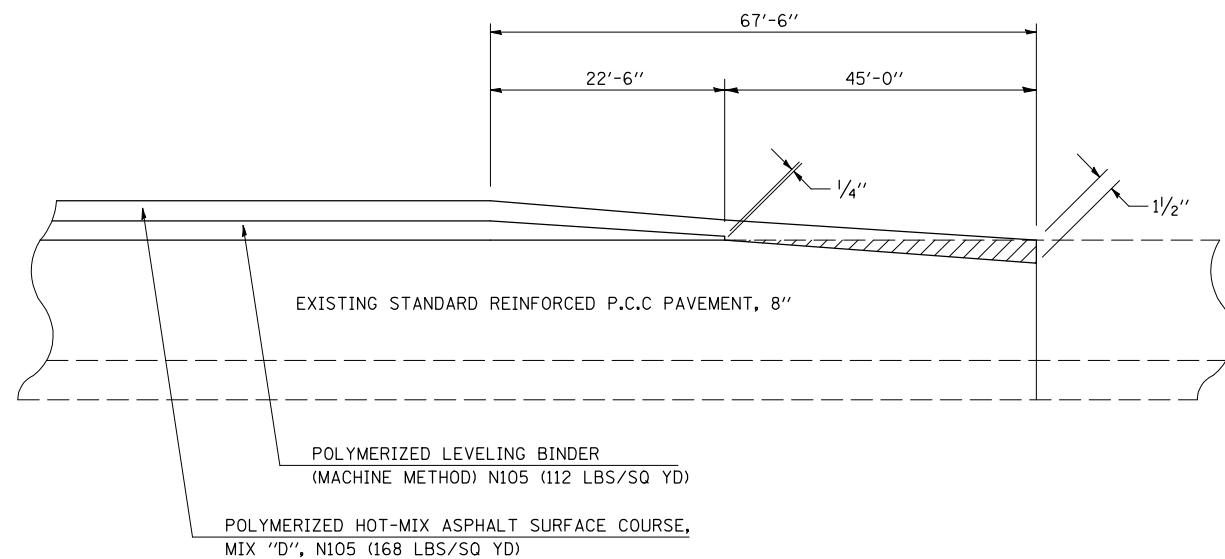


 CONCRETE SURFACE REMOVAL - BUTT JOINT
AREA INCLUDES BOTH RAMP LANE AND HMA/CONCRETE SHOULDERS

CONCRETE SURFACE REMOVAL - BUTT JOINT FOR RAMP LANES

HMA / CONCRETE SURFACE REMOVAL - BUTT JOINT AT RAMP SHOULDERS

- RAMP A STATION 101+54.29 TO STATION 101+99.29
- RAMP B STATION 215+30.50 TO STATION 215+75.50
- RAMP C STATION 301+15.00 TO STATION 301+60.00
- RAMP D STATION 418+07.00 TO STATION 418+52.00



NOT TO SCALE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS FOR RAMP INTERSECTION
RESURFACING TRANSITIONS & BUTT JOINTS

F.A.I. ROUTE 72
SECTION (58,74-66)&(74-67&68)RS-1
PIATT COUNTY
Sheet 4 of 4

SCALE: NONE
DATE: 12/18/09

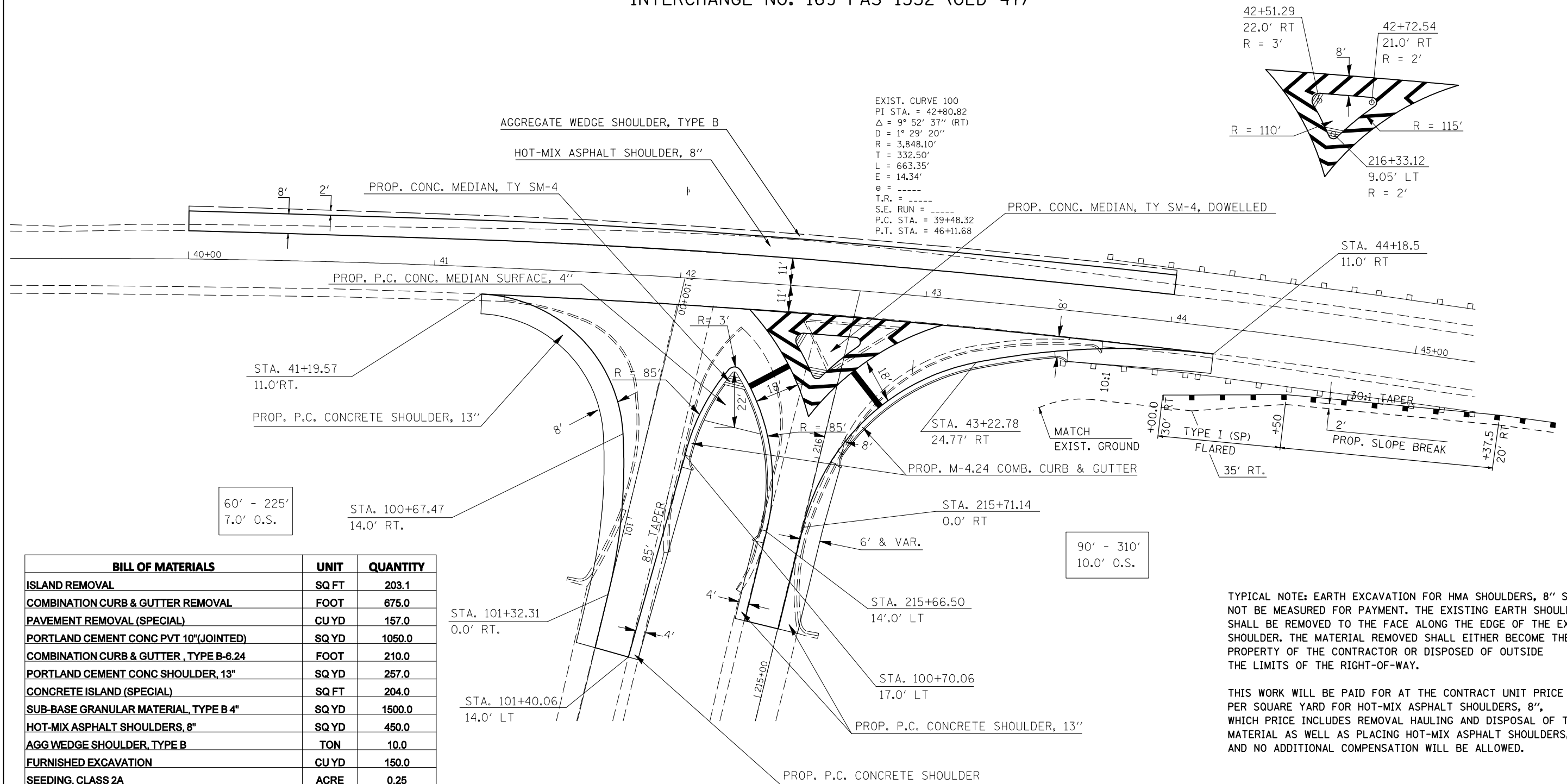
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	192

*(58,74-66)&(74-67&68)RS-1

DETAIL OF RAMP A & B INTERSECTION RECONSTRUCTION INTERCHANGE NO. 169 FAS 1532 (OLD 47)



TYPICAL NOTE: EARTH EXCAVATION FOR HMA SHOULDERS, 8" SHALL NOT BE MEASURED FOR PAYMENT. THE EXISTING EARTH SHOULDER SHALL BE REMOVED TO THE FACE ALONG THE EDGE OF THE EXISTING SHOULDER. THE MATERIAL REMOVED SHALL EITHER BECOME THE PROPERTY OF THE CONTRACTOR OR DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY.

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS, 8", WHICH PRICE INCLUDES REMOVAL HAULING AND DISPOSAL OF THE MATERIAL AS WELL AS PLACING HOT-MIX ASPHALT SHOULDERS, 8" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

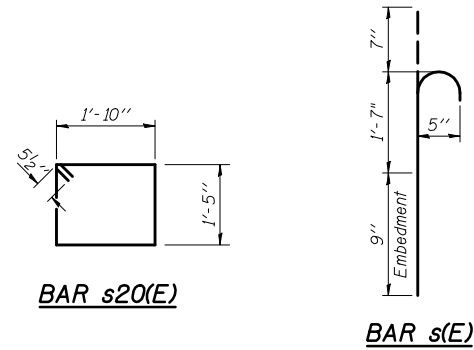
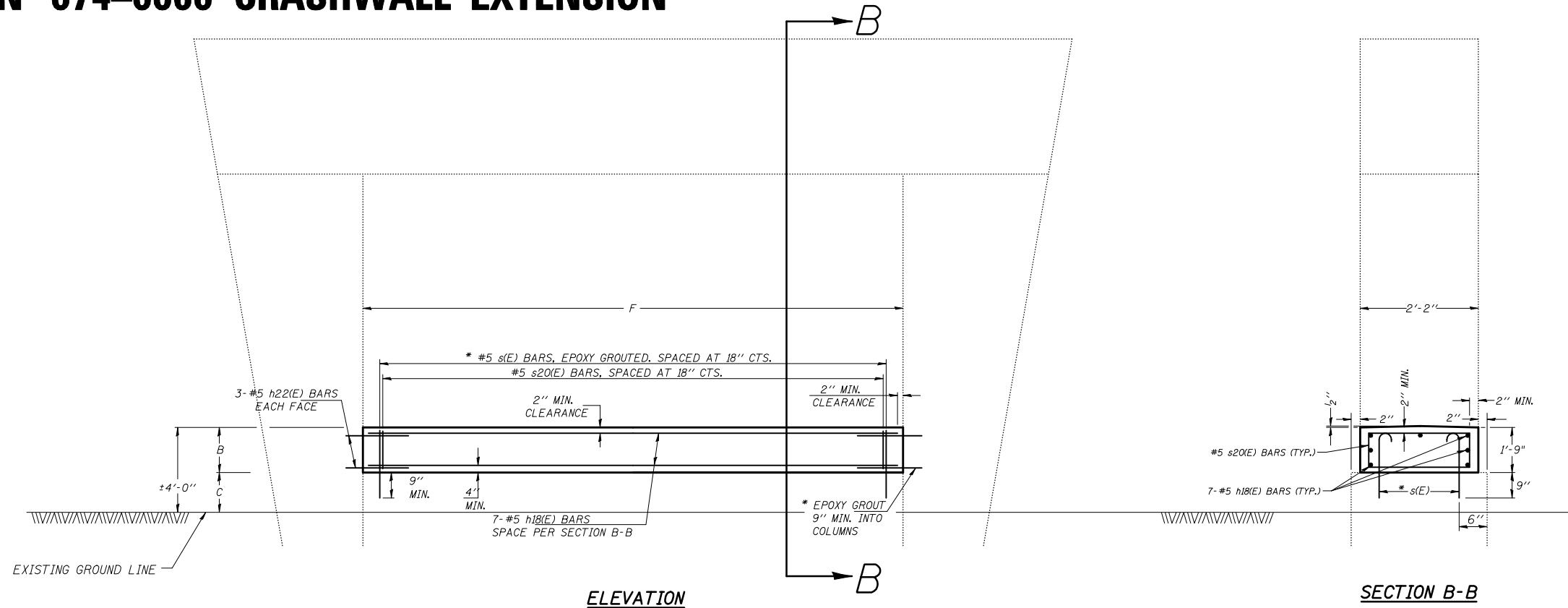
ILLINOIS DEPARTMENT OF TRANSPORTATION
**DETAILS OF RAMP A & B
INTERSECTION RECONSTRUCTION**
F.A.I. ROUTE 72
SECTION (58,74-66)&(74-67&68)RS-1
PIATT COUNTY

PLOT DATE = 2/10/2010
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	195

*(58,74-66)&(74-67&68)RS-1

SN 074-0060 CRASHWALL EXTENSION



GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED UPON THE UNIT PRICE BID FOR THE WORK.

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONCRETE STRUCTURES.

THE COST OF EPOXY GROUTING THREADED RODS SHALL BE INCLUDED WITH REINFORCEMENT BARS (EPOXY COATED).

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 OR 6011L MODIFIED).

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

* EPOXY GROUT BARS IN 9" MIN. HOLES ACCORDING TO ARTICLE 584 OF THE STANDARD SPECIFICATIONS.

CRASHWALL EXTENSION (TRAPEZOIDAL PIER)														
STRUCTURE STATION	DIMENSION			CONCRETE STRUCTURES (CU YD)	REINFORCEMENT BARS (EPOXY COATED)									
	B (FT)	C (FT)	F (FT)		BAR	QTY	SIZE	LENGTH	LBS					
SN 074-0060 1095+12.12	1'-9"	2'-3"	14'-6"	2.1	h18(E)	7	#5	14'-2"	103.2	h22(E)	12	#5	2'-9"	34.3
CONCRETE STRUCTURES =				2.1	LBS =				103.2	LBS =				34.3

STRUCTURE	BAR	QTY	SIZE	LENGTH	SHAPE	LBS	BAR	QTY	SIZE	LENGTH	SHAPE	LBS	
074-0060	s(E)	20	#5	2'-11"		60.7	s20(E)	10	#5	7'-5"		78.0	
						LBS =							60.7
											LBS =	78.0	
												REINFORCEMENT BARS (EPOXY COATED) =	276.2

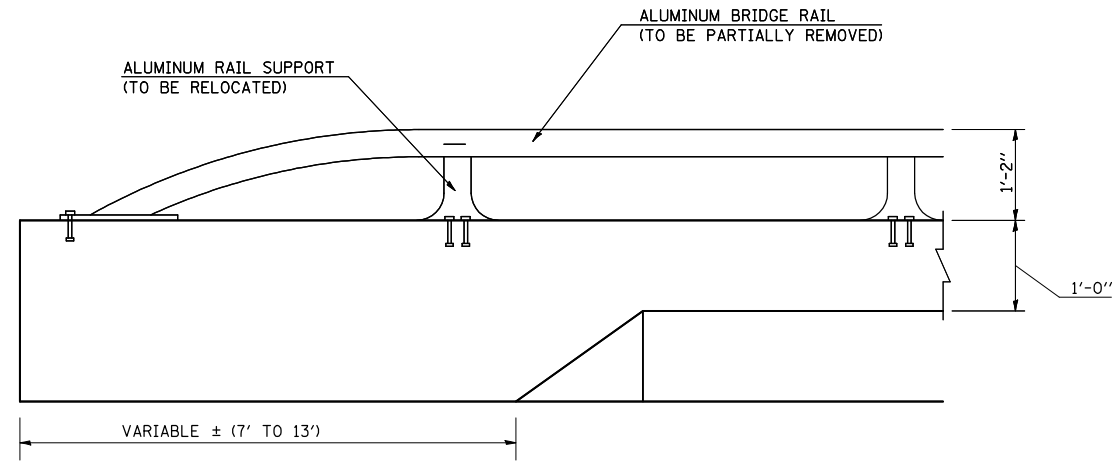
SN 074-0060

ILLINOIS DEPARTMENT OF TRANSPORTATION
Crashwall Extensions
 F.A.I. ROUTE 72
 SECTION (58,74-66)&(74-67&68)RS-1
 PIATT COUNTY
 Sheet 3 of 7
 SCALE: NONE
 DATE: 12/15/09
 DRAWN BY:
 CHECKED BY: R.T.B.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	200

* (58,74-66)&(74-67&68)RS-1

BRIDGE APPROACH WINGWALL IMPROVEMENT FOR TYPES 6B & 6B(SP) GUARDRAIL ATTACHMENT TO STRUCTURE

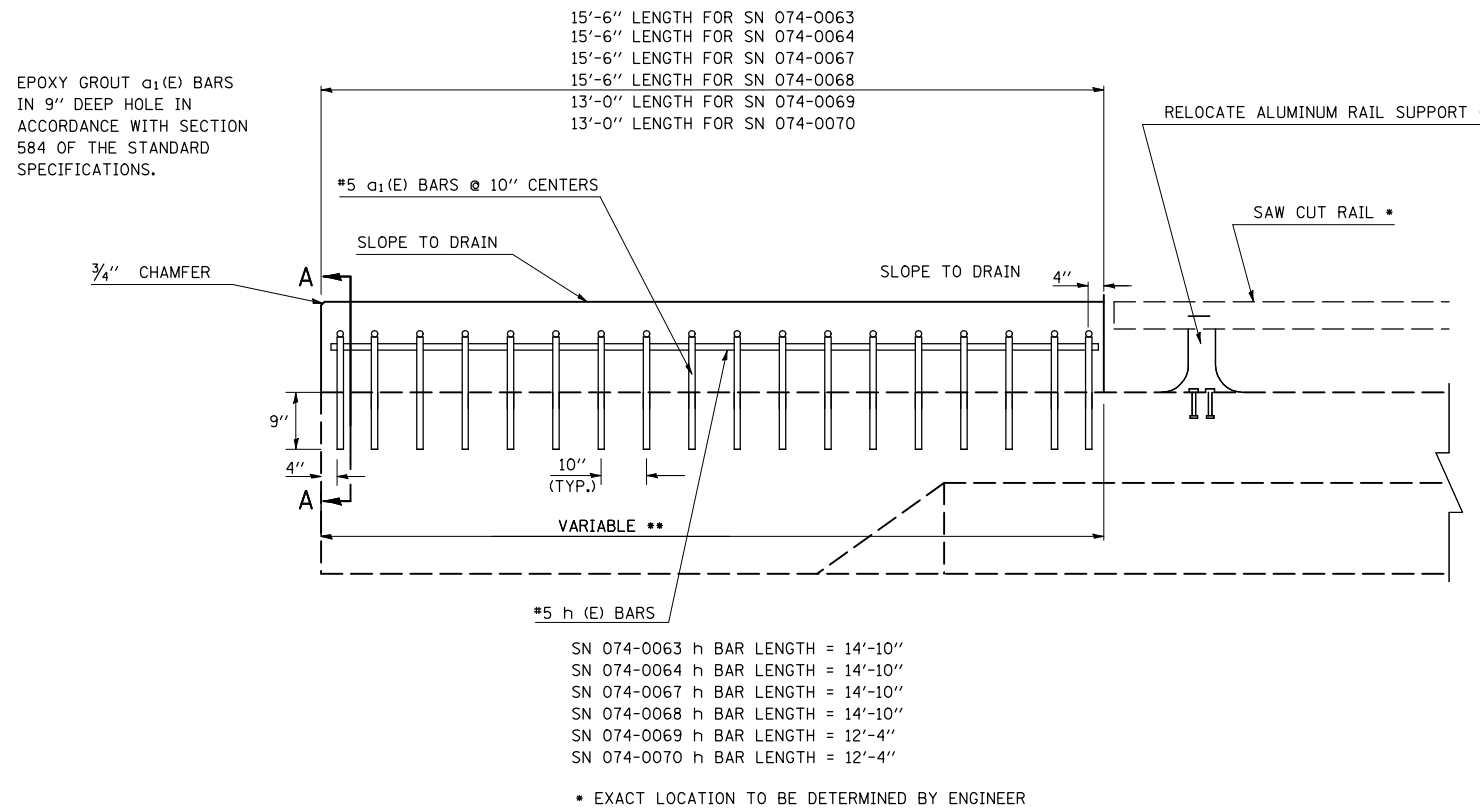


EXISTING BRIDGE APPROACH WINGWALL

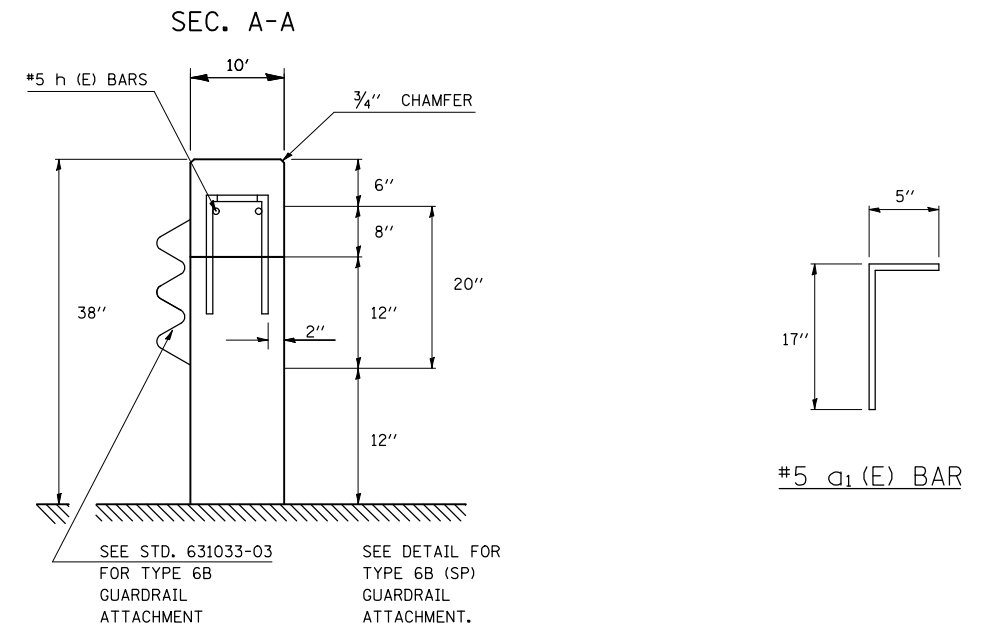
NOTES:

ALL EQUIPMENT, MATERIALS, AND LABOR REQUIRED TO RELOCATE ALUMINUM RAIL SUPPORTS AND REMOVE AND DISPOSE OF ALUMINUM BRIDGE RAIL WILL NOT BE MEASURED FOR PAYMENT AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CONCRETE SUPERSTRUCTURE.

BILL OF MATERIALS	UNIT	SN 074-0063	SN 074-0064	SN 074-0067	SN 074-0068	SN 074-0069	SN 074-0070	TOTAL QUANTITY
CONCRETE SUPERSTRUCTURE	CU YD	1.1	1.1	1.7	1.7	1.4	1.4	8.4
REINFORCEMENT BARS, EPOXY COATED	POUNDS	206.5	206.5	309.5	309.5	260.0	260.0	1552.0



PROPOSED BRIDGE APPROACH WINGWALL
SIDE VIEW



PROPOSED BRIDGE APPROACH WINGWALL
END VIEW