

F.A.P. RTE.	SECTION #	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	1

*(37,37-1,2&3)RS-1

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

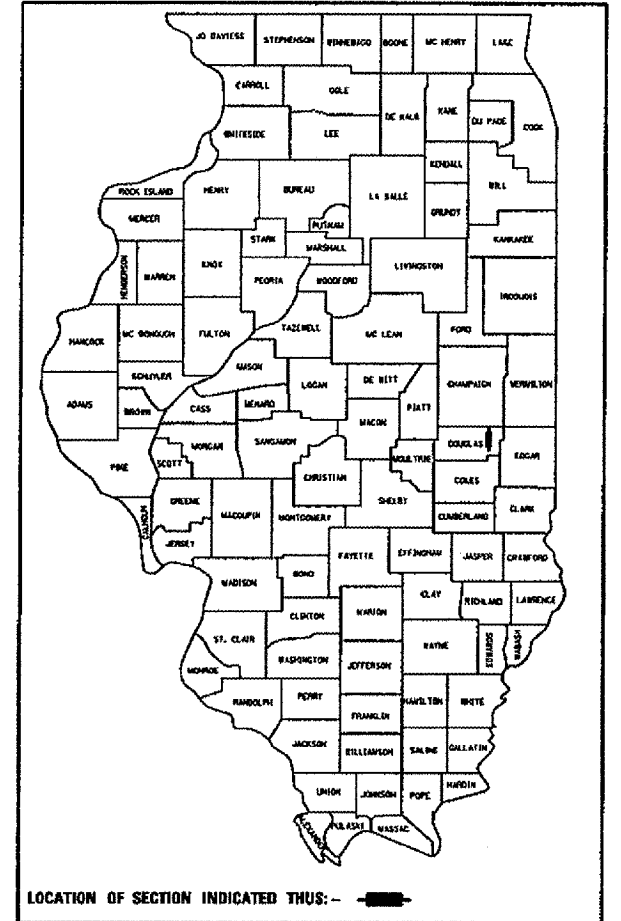
**PROPOSED
 HIGHWAY PLANS**

FAP ROUTE 820 (IL 130)
 SECTION (37,37-1,2&3)RS-1
 DOUGLAS COUNTY
 PROJECT F-0820 (012)
 C-95-118-02

RESURFACING (3P) FROM US 36 TO COLES COUNTY LINE

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

D-95-070-02



(217)465-4181

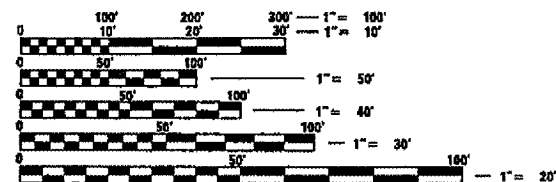
PROJECT ENGINEER: TIM BRANDENBURG

SQUAD LEADER: TODD BLACK

DESIGNER: GARY SIMS

DESIGN DESIGNATION
 POLICY RESURFACING

ADT = 2250(2005)



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

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

CONTRACT NO. 70276

DOUGLAS COUNTY SECTION (37,37-1,2&3)RS-1 F.A.P. ROUTE 820 (IL 130)

PROJECT ENDS
 STATION 691+00.00

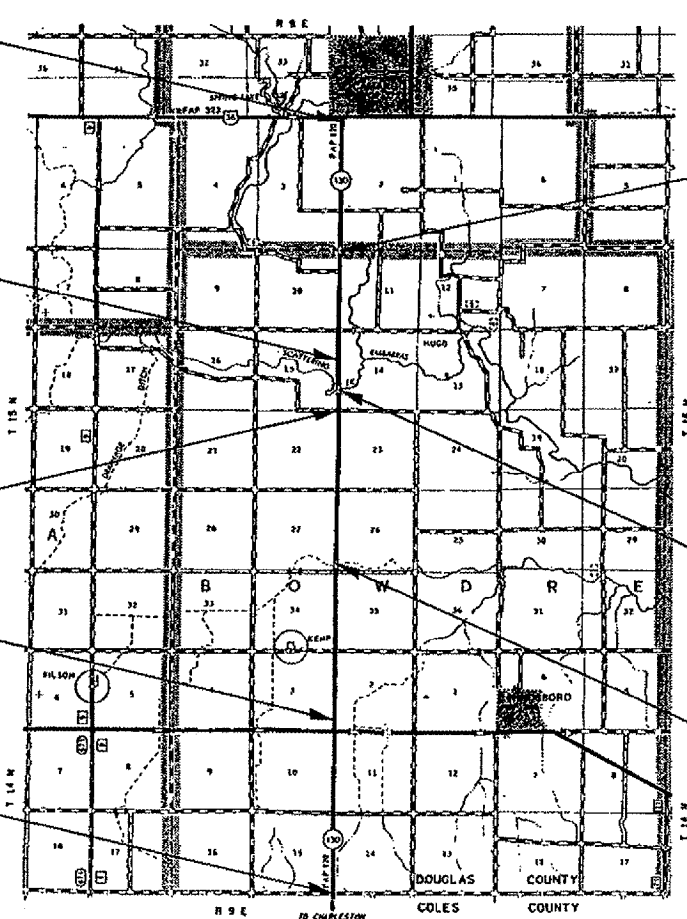
STATION EQUATION:
 STATION 529+16.79 BK =
 STATION 529+15.31 AH

STATION EQUATION:
 STATION 210+85.93 BK =
 STATION 501+01.77 AH

** STATION EQUATION:
 STATION 216+91.00 BK =
 STATION 1+00.97 AH

PROJECT BEGINS
 STATION 109+00.00

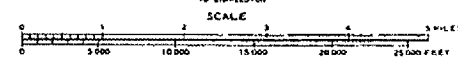
** STATION EQUATION - NOT FROM SURVEY
 DETERMINED BY OLD PLAN MEASUREMENTS



BRIDGE OMISSION:
 STRUCTURE NO. 021-0030
 EMBARRAS RIVER
 STATION 602+93.25 TO
 STATION 605+26.95

BRIDGE OMISSION:
 STRUCTURE NO. 021-0031
 SCATTERING FORK CREEK
 STATION 512+82.99 TO
 STATION 514+50.41

BRIDGE OMISSION:
 STRUCTURE NO. 021-0049
 DEER CREEK
 STATION 107+60.00 TO
 STATION 108+80.00



TOTAL LENGTH OF SECTION & PROJECT = 50,775.67 FEET = 9.617 MILES
 NET LENGTH OF SECTION & PROJECT = 50,254.55 FEET = 9.518 MILES

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED *M. M. [Signature]* 20 07
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 11, 20 07
 ERIC E. HARMON
 ENGINEER OF DESIGN AND ENVIRONMENT

May 11, 20 07
 MITCHELL R. SEAS, P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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 OF THE STATE OF ILLINOIS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	2

*(37,37-1,2&3)RS-1

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HIGHWAY STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND A FOOT
406201	MAILBOX TURNOUT
442201-02	CLASS C AND D PATCHES
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-01	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS \geq 45 MPH
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
702001-06	TRAFFIC CONTROL DEVICES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	3

*(37,37-1,2&3)RS-1

GENERAL NOTES

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

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

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

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

G. N. -406H
MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Location(s)	IL-130	IL-130	IL-130
Mixture Use(s)	Surface & Incid	Level Binder	P.D. & Class D Patches & Binder Inlay
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (Max)	15	25	25
Design Air Voids	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50
Mix Comp(Gradation)	IL 9.5	IL 9.5	IL 19.0
Friction Aggregate	Mix C	Mix C	N. A.

G. N. -440 SPECIAL
SPECIAL ATTENTION IS DIRECTED TO THE LAST SENTENCE OF ARTICLE 440.04 WHICH STATES: "MILLED PAVEMENT SHALL BE RESURFACED WITHIN 10 CALENDAR DAYS". THE CONTRACTOR SHALL SCHEDULE ACTIVITIES TO ACCOMPLISH THIS REQUIRED SPECIFICATION.

G. N. -442B -- PATCHING SCHEDULES
THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF BOTH FULL-DEPTH AND PARTIAL-DEPTH PATCHES MAY OCCUR.

G. N. -667
THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS AND TO DETERMINE IF IT WILL BE NECESSARY FOR THE CONTRACTOR TO HIRE AN ILLINOIS LAND SURVEYOR.

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

G. N. -781
RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

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

NO COMMITMENTS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	4

* (37,37-1,2&3)RS-1

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAP 820 (IL ROUTE 130)
SECTION (37, 37-1, 2 & 3)RS-1
DOUGLAS COUNTY

SHEET 1 OF 2

STA 190+00 TO STA 691+00
RURAL TWO LANE
80% FED
20% STATE

CONSTRUCTION TYPE CODE:

1000

<u>CODE NO.</u>	<u>ITEM</u>	<u>UNIT</u>	<u>TOTAL QUANTITY</u>
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	18,625.0
40600300	AGGREGATE (PRIME COAT)	TON	575.0
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	5,970.0
40600895	CONSTRUCTING TEST STRIP	EACH	1.0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	4,281.0
40600990	TEMPORARY RAMP	SQ YD	583.0
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	180.0
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	12,095.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	601.0
40800030	AGGREGATE (PRIME COAT)	TON	11.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	460.0
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	113,580.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	542.0
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	980.0
44000196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	486.0
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	20.0
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	563.0
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	32.0
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	54.0
48101200	AGGREGATE SHOULDERS, TYPE B	TON	4,220.0
66700110	PERMANENT SURVEY MARKERS TO BE ADJUSTED	EACH	10.0
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6.0
67100100	MOBILIZATION	L SUM	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	15,165.0
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	113,450.0
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	232.0
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	83.0
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	97.0

* SPECIALTY ITEMS

(CONTINUED NEXT SHEET)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	5

*(37,37-1,2&3)RS-1

SHEET 2 OF 2

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAP 820 (IL ROUTE 130)
SECTION (37, 37-1, 2 & 3)RS-1
DOUGLAS COUNTY

STA 190+00 TO STA 691+00
RURAL TWO LANE
80% FED
20% STATE

CONSTRUCTION TYPE CODE:

I000

<u>CODE NO.</u>	<u>ITEM</u>	<u>UNIT</u>	<u>TOTAL QUANTITY</u>
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,670.0
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS ^{AND} SYMBOLS	SQ FT	21.3
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	232.0
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	83.0
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	97.0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	113,450.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	634.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	634.0
X4032500	BITUMINOUS MATERIALS (COVER AND SEAL COATS), SPECIAL	GALLON	6,920.0
X4401705	PARTIAL DEPTH REMOVAL	SQ YD	576.0
X4421000	PARTIAL DEPTH PATCHING	TON	209.0
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	24.0
40300602	SEAL COAT AGGREGATE, SPECIAL	TON	231.0

* SPECIALTY ITEMS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	6

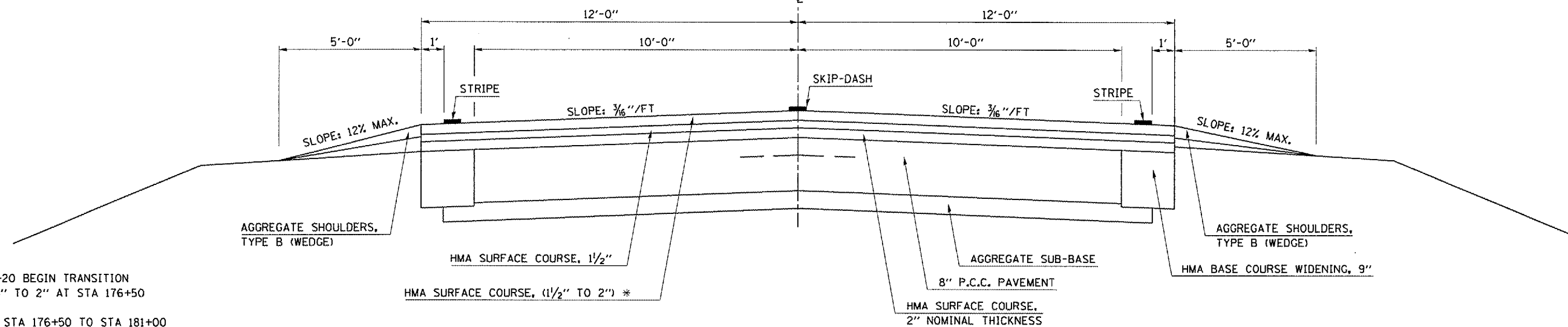
*(37.37-1.2&3)RS-1

EXISTING TYPICAL CROSS SECTION 1

IL 130

STATION 109+00.00 TO STATION 216+91.00 **

** STATION EQUATION:
 ① 216+91.00 (BK) =
 ② 1+00.97 (AH)



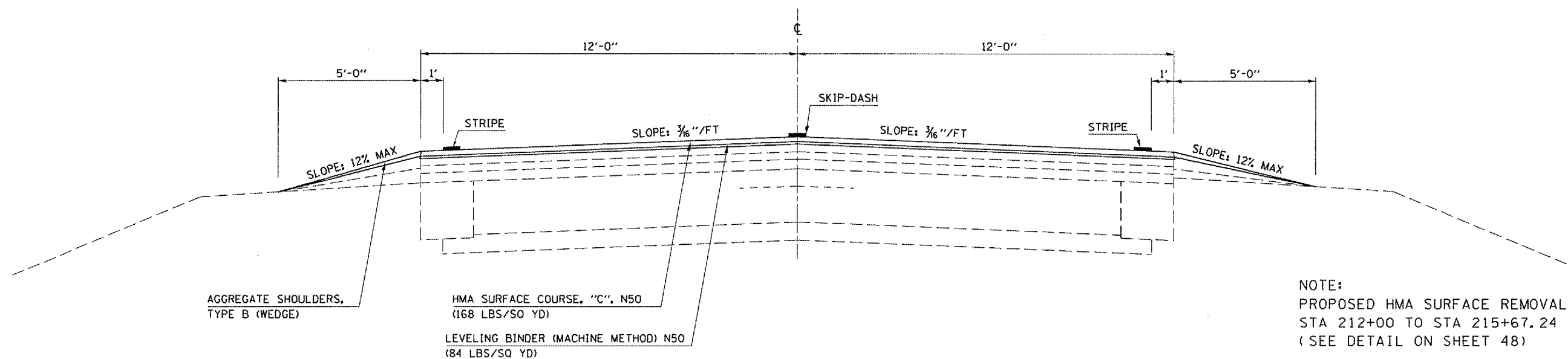
* STA 176+20 BEGIN TRANSITION FROM 1 1/2" TO 2" AT STA 176+50
 2" FROM STA 176+50 TO STA 181+00
 STA 181+00 BEGIN TRANSITION FROM 2" TO 1 1/2" AT STA 181+30

PROPOSED TYPICAL CROSS SECTION 1

IL 130

STATION 109+00.00 TO STATION 216+91.00 **

** STATION EQUATION:
 ① 216+91.00 (BK) =
 ② 1+00.97 (AH)



NOTE:
 PROPOSED HMA SURFACE REMOVAL 4"
 STA 212+00 TO STA 215+67.24
 (SEE DETAIL ON SHEET 48)

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\d507002 (v8)\typicals.dgn
 PLOT SCALE = 105.8824' / IN.
 USER NAME = phillipsjr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	7

* (37,37-1,2&3)RS-1

EXISTING TYPICAL CROSS SECTION ②

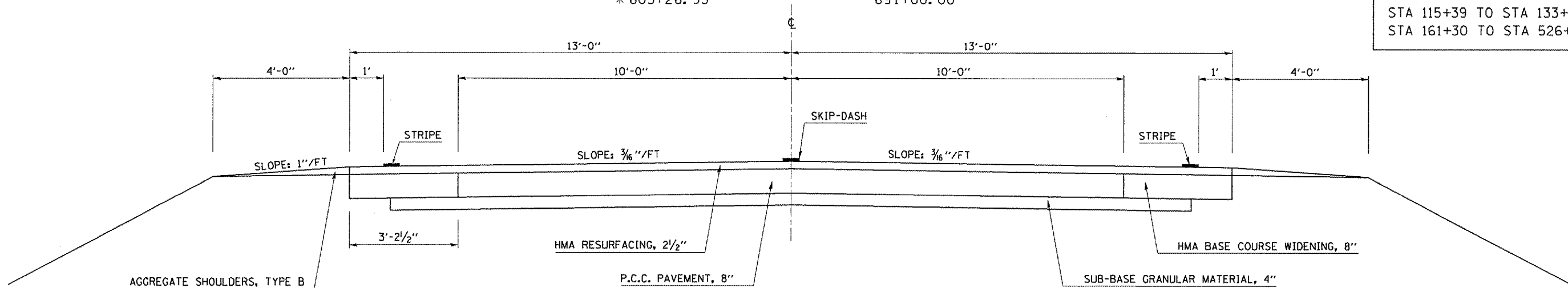
IL 130

STATION	TO	STATION
1+00.97		107+60.00 *
* 108+80.00		210+85.93 BK **
** AH 501+01.77		512+82.99 *
* 514+50.14		529+16.79 BK **
** AH 529+15.31		602+93.25 *
* 605+26.95		691+00.00

* BRIDGE OMISSION
** STATION EQUATION

NOTE:
THE FOLLOWING AREAS HAVE BEEN RESURFACED WITH AN ADDITIONAL 1 1/2" BITUMINOUS CONCRETE

STA 115+39 TO STA 133+00
STA 161+30 TO STA 526+60

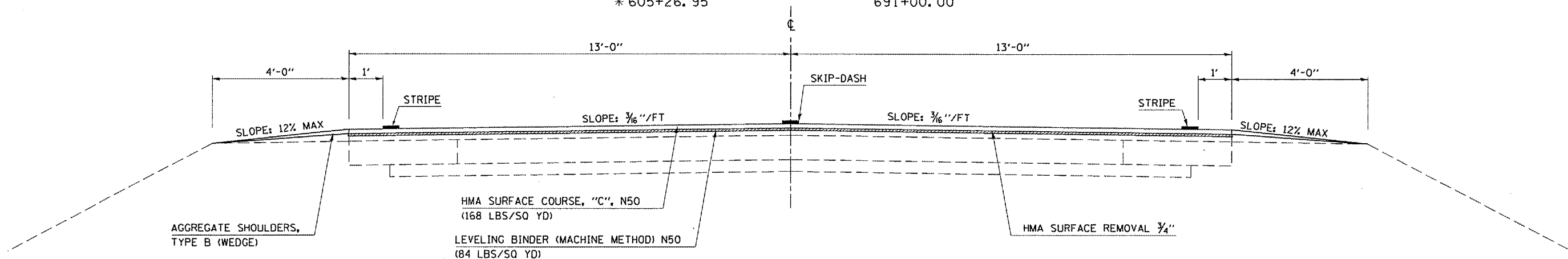


PROPOSED TYPICAL CROSS SECTION ②

IL 130

STATION	TO	STATION
1+00.97		107+60.00 *
* 108+80.00		210+85.93 BK **
** AH 501+01.77		512+82.99 *
* 514+50.14		529+16.79 BK **
** AH 529+15.31		602+93.25 *
* 605+26.95		691+00.00

* BRIDGE OMISSION
** STATION EQUATION



PLOT DATE = 3/26/2007
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PLOT SCALE = 1/8" = 1' / IN.
USER NAME = phillipsjr

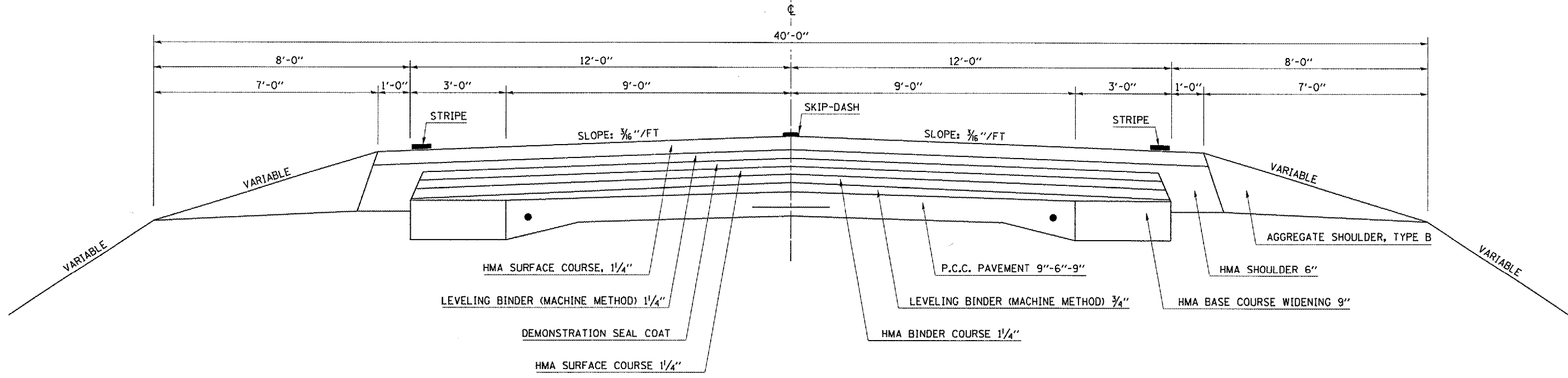
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	8

* (37,37-1,2&3)RS-1

EXISTING TYPICAL CROSS SECTION ③

IL 133 - THRU INTERSECTION WITH IL 130

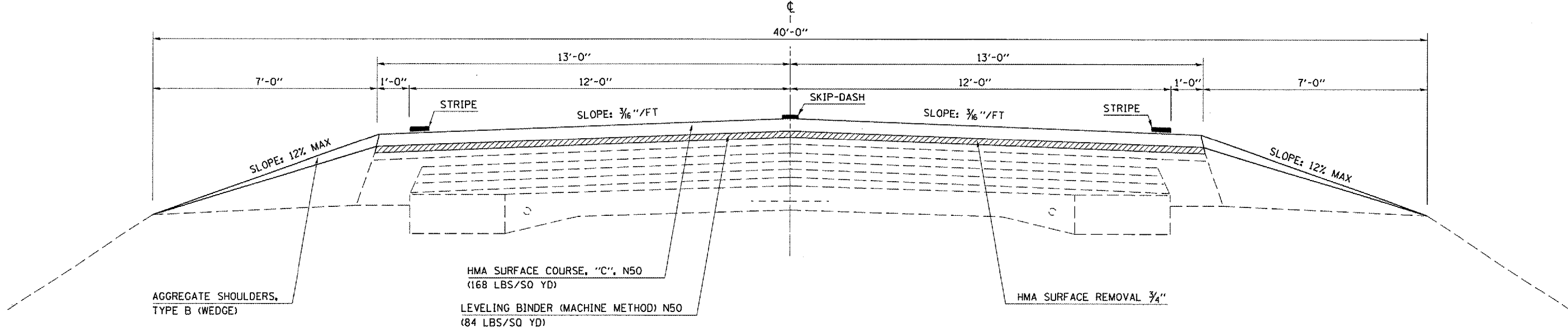
STATION 372+30 TO STATION 375+12



PROPOSED TYPICAL CROSS SECTION ③

IL 133 - THRU INTERSECTION WITH IL 130

STATION 372+30 TO STATION 375+12



PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\0507002 (v8)\typicals.dgn
 PLOT SCALE = 1/8" = 1' / IN.
 USER NAME = phillips,jr

SCHEDULE OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	9

*(37,37-1,2&3)RS-1

40600982 HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT

STATION TO STATION	DESCRIPTION	SQ YD
109+00 109+45	IL130 BEGIN PROJECT	120.00
109+71	LT SIDEROAD	126.67
109+86	RT SIDEROAD	144.96
162+60	LT SIDEROAD	102.22
162+60	RT SIDEROAD	108.89
372+30 372+75	IL133 PROJECT LIMIT	130.00
374+67 375+12	IL133 PROJECT LIMIT	130.00
51+88	LT SIDEROAD	159.44
52+00	RT SIDEROAD	155.56
104+20	LT SIDEROAD	151.67
104+20	RT SIDEROAD	143.89
107+15 107+60	BRIDGE	130.00
108+80 109+25	BRIDGE	130.00
155+22	LT PRIVATE ENTRANCE	40.60
156+84	LT SIDEROAD	129.63
156+94	RT SIDEROAD	129.63
209+88	LT SIDEROAD	136.11
209+88	RT SIDEROAD	151.67
512+38 512+83	BRIDGE	130.00
514+50 514+95	BRIDGE	130.00
539+21	RT PRIVATE ENTRANCE	67.22
548+20	RT PRIVATE ENTRANCE	38.33
552+43	LT SIDEROAD	151.67
552+43	RT SIDEROAD	155.56
556+03	RT PRIVATE ENTRANCE	43.89
591+97	LT SIDEROAD	151.67
602+48 602+93	BRIDGE	130.00
605+27 605+72	BRIDGE	130.00
631+46	LT SIDEROAD	151.67
631+46	RT SIDEROAD	151.67
632+93	LT PRIVATE ENTRANCE	47.22
656+71	RT PRIVATE ENTRANCE	41.67
657+95	RT PRIVATE ENTRANCE	49.44
680+02 680+47	SOUTH OF RUMBLE STRIP	130.00
682+72 683+17	NORTH OF RUMBLE STRIP	130.00
690+55 691+00	IL130 END PROJECT	130.00

TOTAL = 4280.95

USE = 4281.0

*** * PLAN NOTE:**

TEMPORARY RAMPS SHALL BE USED AT LOCATIONS SHOWN IN THE PLANS. IT IS THE INTENTION TO USE TEMPORARY RAMPS FOR MAJOR SIDE ROADS AND LOCATIONS WHERE BITUMINOUS SURFACE REMOVAL 1 1/2" IS CONSTRUCTED. TEMPORARY RAMPS SHALL NOT BE USED AT PRIVATE ENTRANCES AND COMMERCIAL ENTRANCES IF NOT LISTED IN THE PLANS.

40600990 TEMPORARY RAMP * *

STATION TO STATION	DESCRIPTION	SQ YD
109+00 109+08	IL130 BEGIN PROJECT	20.00
109+71	LT SIDEROAD	8.33
109+86	RT SIDEROAD	10.56
162+60	LT SIDEROAD	7.78
162+60	RT SIDEROAD	7.78
212+00	INLAY SECTION	13.33
215+20 215+60	LT INLAY SECTION	22.22
215+10 214+40	RT INLAY SECTION	16.67
215+67	INLAY SECTION	13.33
372+30 372+38	IL133 PROJECT LIMIT	21.67
375+04 375+12	IL133 PROJECT LIMIT	21.67
51+88	LT SIDEROAD	11.67
52+00	RT SIDEROAD	11.11
104+20	LT SIDEROAD	9.44
104+20	RT SIDEROAD	9.44
107+52 107+60	BRIDGE	21.67
108+80 108+88	BRIDGE	21.67
155+22	LT PRIVATE ENTRANCE	8.89
156+84	LT SIDEROAD	11.11
156+94	RT SIDEROAD	11.11
209+88	LT SIDEROAD	10.56
209+88	RT SIDEROAD	8.33
512+75 512+83	BRIDGE	21.67
514+50 514+58	BRIDGE	21.67
539+21	RT PRIVATE ENTRANCE	18.89
548+20	RT PRIVATE ENTRANCE	11.67
552+43	LT SIDEROAD	10.56
552+43	RT SIDEROAD	11.11
556+03	RT PRIVATE ENTRANCE	10.56
591+97	LT SIDEROAD	10.56
602+85 602+93	BRIDGE	21.67
605+27 605+35	BRIDGE	21.67
631+46	LT SIDEROAD	10.56
631+46	RT SIDEROAD	10.56
632+93	LT PRIVATE ENTRANCE	13.33
656+71	RT PRIVATE ENTRANCE	9.44
657+95	RT PRIVATE ENTRANCE	15.56
680+42 680+47	SOUTH OF RUMBLE STRIP	7.22
680+72 680+77	NORTH OF RUMBLE STRIP	7.22
681+67 681+72	SOUTH OF RUMBLE STRIP	7.22
681+97 682+02	NORTH OF RUMBLE STRIP	7.22
682+42 682+47	SOUTH OF RUMBLE STRIP	7.22
682+72 682+77	NORTH OF RUMBLE STRIP	7.22
690+92 691+00	IL130 END PROJECT	21.67

TOTAL = 582.81

USE = 583.0

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\507002 (v8)\7002 text.dgn
 PLOT SCALE = 105.8824' / IN.
 USER NAME = phillipsjr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	10

*(37,37-1,2&3)RS-1

SCHEDULE OF QUANTITIES

44000152 HOT-MIX ASPHALT REMOVAL, 3/4

STATION	TO	STATION	DESCRIPTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)
215+67.18		1+00.97	IL 133 INTERSECTION	-	-	1391.21
1+00.97		107+15.00	SN 021-0049	10614.03	26.0	30662.75
109+25.00		210+85.93	STA. EQN.	10160.93	26.0	29353.80
501+01.77		512+38.00	SN 021-0031	1136.23	26.0	3282.44
514+95.00		529+16.79	STA. EQN.	1421.79	26.0	4107.39
529+15.31		602+48.00	SN 021-0030	7332.69	26.0	21183.33
605+72.00		680+02.00	RUMBLE STRIP SECTION	7430.00	26.0	21464.44
683+17.00		690+55.00		738.00	26.0	2132.00
TOTALS =						113577.37
USE =						113580.0

40600625 LEVELING BINDER (MACHINE METHOD), N50

STATION	TO	STATION	DESCRIPTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	(TON)
109+40.00		214+54.00		10514.00	24.0	28037.33	1177.57
214+54.00		1+00.97	IL 133 INTERSECTION	-	-	1721.91	72.32
1+00.97		107+20.00	SN 021-0049	10619.03	26.0	30677.20	1288.44
109+20.00		210+85.93	STA. EQN.	10165.93	26.0	29368.24	1233.47
501+01.77		512+43.00	SN 021-0031	1141.23	26.0	3296.89	138.47
514+90.00		529+16.79	STA. EQN.	1426.79	26.0	4121.84	173.12
529+15.31		602+53.00	SN 021-0030	7337.69	26.0	21197.77	890.31
605+67.00		680+07.00	RUMBLE STRIP SECTION	7440.00	26.0	21493.33	902.72
683+12.00		690+60.00		748.00	26.0	2160.89	90.76
TOTALS =						5967.17	
USE =						5970.0	

44000155 HOT-MIX ASPHALT REMOVAL, 1 1/2

STATION	TO	STATION	DESCRIPTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)
680+47.00		682+72.00	SB RUMBLE STRIP SECTION	225.00	13.0	325.00
680+72.00		681+72.00	NB RUMBLE STRIP SECTION	100.00	13.0	144.44
681+97.00		682+47.00	NB RUMBLE STRIP SECTION	50.00	13.0	72.22
TOTALS =						541.67
USE =						542.0

40603080 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50

STATION	TO	STATION	DESCRIPTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	(TON)
212+00.00		215+67.18	SB LANE	367.18	12.0	489.57	89.10
212+00.00		215+67.18	NB LANE	367.18	12.0	489.57	89.10
TOTALS =						178.20	
USE =						180.0	

44000165 HOT-MIX ASPHALT REMOVAL, 4

STATION	TO	STATION	DESCRIPTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)
212+00.00		215+67.18	SB LANE	367.18	12.0	489.57
212+00.00		215+67.18	NB LANE	367.18	12.0	489.57
TOTALS =						979.15
USE =						980.0

40603310 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50

STATION	TO	STATION	DESCRIPTION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	(TON)
109+00.00		214+54.00		10554.00	24.0	28144.00	2364.10
214+54.00		1+00.97	IL 133 INTERSECTION	-	-	1953.02	164.05
1+00.97		107+60.00	SN 021-0049	10659.03	26.0	30792.75	2586.59
108+80.00		210+85.93	STA. EQN.	10205.93	26.0	29483.80	2476.64
501+01.77		512+82.99	SN 021-0031	1181.22	26.0	3412.41	286.64
514+50.41		529+16.79	STA. EQN.	1466.38	26.0	4236.21	355.84
529+15.31		602+93.00	SN 021-0030	7377.69	26.0	21313.33	1790.32
605+27.00		680+47.00		7520.00	26.0	21724.44	1824.85
680+47.00		682+72.00	SB RUMBLE STRIP SECTION	225.00	13.0	325.00	27.30
680+72.00		681+72.00	NB RUMBLE STRIP SECTION	100.00	13.0	144.44	12.13
681+97.00		682+47.00	NB RUMBLE STRIP SECTION	50.00	13.0	72.22	6.07
682+72.00		691+00.00		828.00	26.0	2392.00	200.93
TOTALS =						12095.47	
USE =						12095.0	

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\4507002 (v8)\7002text.dgn
 PLOT SCALE = 105.8824' / IN.
 USER NAME = philipsjr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	11

* (37,37-1,2&3)RS-1

SCHEDULE OF QUANTITIES

X4032500 BITUMINOUS MATERIALS COVER AND SEAL COAT (SPECIAL)

<u>LOCATION</u>	<u>DESCRIPTION</u>	<u>LENGTH (FT)</u>	<u>WIDTH (FT)</u>	<u>AREA (SQ YD)</u>	<u>(GALLON)</u>
SOUTH OF IL 133	TRANSVERSE CRACKS	1320.00	2.0	293.33	88.00
NORTH OF IL 133	TRANSVERSE CRACKS	8320.00	2.0	1848.89	554.67
SOUTH OF IL 133 - LT WIDENING	LONGITUDINAL JOINT	8240.00	2.0	1831.11	549.33
SOUTH OF IL 133 - CL	LONGITUDINAL JOINT	8240.00	2.0	1831.11	549.33
SOUTH OF IL 133 - RT WIDENING	LONGITUDINAL JOINT	8240.00	2.0	1831.11	549.33
NORTH OF IL 133 - LT WIDENING	LONGITUDINAL JOINT	23127.64	2.0	5139.48	1541.84
NORTH OF IL 133 - CL	LONGITUDINAL JOINT	23127.64	2.0	5139.48	1541.84
NORTH OF IL 133 - RT WIDENING	LONGITUDINAL JOINT	23127.64	2.0	5139.48	1541.84
<u>TOTALS =</u>					<u>6916.19</u>
<u>USE =</u>					<u>6920.0</u>

#5000820 SEAL COAT AGGREGATE (SPECIAL)

<u>LOCATION</u>	<u>DESCRIPTION</u>	<u>LENGTH (FT)</u>	<u>WIDTH (FT)</u>	<u>AREA (SQ YD)</u>	<u>(TON)</u>
SOUTH OF IL 133	TRANSVERSE CRACKS	1320.00	2.0	293.33	2.93
NORTH OF IL 133	TRANSVERSE CRACKS	8320.00	2.0	1848.89	18.49
SOUTH OF IL 133 - LT WIDENING	LONGITUDINAL JOINT	8240.00	2.0	1831.11	18.31
SOUTH OF IL 133 - CL	LONGITUDINAL JOINT	8240.00	2.0	1831.11	18.31
SOUTH OF IL 133 - RT WIDENING	LONGITUDINAL JOINT	8240.00	2.0	1831.11	18.31
NORTH OF IL 133 - LT WIDENING	LONGITUDINAL JOINT	23127.64	2.0	5139.48	51.39
NORTH OF IL 133 - CL	LONGITUDINAL JOINT	23127.64	2.0	5139.48	51.39
NORTH OF IL 133 - RT WIDENING	LONGITUDINAL JOINT	23127.64	2.0	5139.48	51.39
<u>TOTALS =</u>					<u>230.54</u>
<u>USE =</u>					<u>231.0</u>

NOTE:

PLAN LOCATIONS FOR BITUMINOUS MATERIALS COVER & SEAL COAT (SPECIAL), AND SEAL COAT AGGREGATE (SPECIAL) SHALL BE COORDINATED BY THE ENGINEER WITH BUREAU OF MATERIALS UPON COMPLETION OF BITUMINOUS SURFACE REMOVAL 3/4".

SCHEDULE OF QUANTITIES

INCIDENTAL QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	12

*(37,37-1,2&3)RS-1

SHEET 1 OF 3

INCIDENTAL HMA SURFACING				HMA BASE PREPARATION					AGGREGATE BASE PREPARATION	
STATION	LT/RT	TYPE	SQ YD	AVERAGE THICKNESS	(40800050) INCIDENTAL HMA	(44000196) HMA SURFACE	(40800010) BIT MATERIAL	(40800030) AGG	(40800010) BIT MATERIAL	(40800030) AGG
				INCIDENTAL HMA SURFACE	INCIDENTAL HMA SURFACE	PR CT	PR CT	PR CT	PR CT	
				INCHES	TON	SQ YD	GAL	TON	GAL	TON
109+71	LT	SR	126.67	1.88	13.30	-	12.67	0.25	-	-
109+86	RT	SR	144.96	1.88	15.22	-	14.50	0.29	-	-
115+00	LT	FE	7.00	1.88	0.74	1.40	0.70	0.01	-	-
122+84	LT	FE	9.00	1.88	0.95	1.80	0.90	0.02	-	-
122+94	RT	FE	8.33	1.88	0.88	1.67	0.83	0.02	-	-
136+14	LT	FE	9.00	1.88	0.95	1.80	0.90	0.02	-	-
136+25	RT	FE	13.00	1.88	1.37	2.60	1.30	0.03	-	-
138+75	LT	FE	7.33	1.88	0.77	1.47	0.73	0.01	-	-
149+26	RT	FE	7.00	1.88	0.74	1.40	0.70	0.01	-	-
159+79	RT	FE	7.33	1.88	0.77	1.47	0.73	0.01	-	-
162+60	LT	SR	102.22	1.88	10.73	-	10.22	0.20	-	-
162+60	RT	SR	108.89	1.88	11.43	-	10.89	0.22	-	-
182+29	RT	FE	7.33	1.88	0.77	1.47	0.73	0.01	-	-
189+19	LT	FE	6.33	1.88	0.67	1.13	0.63	0.01	-	-
189+19	RT	FE	5.67	1.88	0.60	1.27	0.57	0.01	-	-
197+33	LT	FE	7.00	1.88	0.74	1.40	0.70	0.01	-	-
202+42	LT	FE	7.00	1.88	0.74	1.40	0.70	0.01	-	-
202+47	RT	FE	7.33	1.88	0.77	1.47	0.73	0.01	-	-
214+54	LT	FE	7.67	1.88	0.81	1.53	0.77	0.02	-	-
214+54	RT	FE	6.33	1.88	0.67	1.27	0.63	0.01	-	-
2+00	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
12+86	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
19+91	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
26+37	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
27+70	LT	PE	52.22	1.50	4.39	10.44	5.22	0.10	-	-
27+70	RT	MBTO	40.00	1.50	3.36	8.00	4.00	0.08	-	-
38+74	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
38+94	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
42+18	RT	CE/MBTO	85.22	1.50	7.16	17.04	8.52	0.17	-	-
49+89	LT	CE	59.44	1.50	4.99	11.89	5.94	0.12	-	-
50+97	LT	CE	18.00	1.50	1.51	3.60	1.80	0.04	-	-
51+88	LT	SR	159.44	1.50	13.39	-	15.94	0.32	-	-
52+00	RT	SR	155.56	1.50	13.07	-	15.56	0.31	-	-
56+06	RT	PE	44.44	1.50	3.73	8.89	4.44	0.09	-	-
63+60	LT	PE	47.22	1.50	3.97	9.44	4.72	0.09	-	-
64+39	LT	PE	47.22	1.50	3.97	9.44	4.72	0.09	-	-
64+45	RT	MBTO	40.00	1.50	3.36	8.00	4.00	0.08	-	-
65+54	LT	PE	41.67	1.50	3.50	8.33	4.17	0.08	-	-
67+10	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
67+56	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
72+85	RT	PE	47.78	1.50	4.01	9.56	4.78	0.10	-	-
79+89	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
84+35	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
88+24	LT	FE	13.33	1.50	1.12	2.67	1.33	0.03	-	-
95+25	RT	MBTO	40.00	1.50	3.36	8.00	4.00	0.08	-	-
95+40	LT	PE	42.78	1.50	3.59	8.56	4.28	0.09	-	-
97+02	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
101+44	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
102+34	RT	PE/MBTO	63.11	1.50	5.30	12.62	6.31	0.13	-	-

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\4507002 (v8)\7002text.dgn
 PLOT SCALE = 105.8824 ' / IN.
 USER NAME = phillipsjr

(CONTINUED NEXT SHEET)

SCHEDULE OF QUANTITIES

INCIDENTAL QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	13

*(37,37-1,2&3)RS-1

SHEET 2 OF 3

INCIDENTAL HMA SURFACING				HMA BASE PREPARATION					AGGREGATE BASE PREPARATION	
STATION	LT/RT	TYPE	SQ YD	AVERAGE THICKNESS	(40800050) INCIDENTAL HMA SURFACE	(44000196) HMA REM SPL	(40800010) BIT PR CT	(40800030) AGG PR CT	(40800010) BIT PR CT	(40800030) AGG PR CT
				INCHES	TON	SQ YD	GAL	TON	GAL	TON
104+20	LT	SR	151.67	1.50	12.74	-	15.17	0.30	-	-
104+20	RT	SR	143.89	1.50	12.09	-	14.39	0.29	-	-
112+90	RT	MBTO	40.00	1.50	3.36	8.00	4.00	0.08	-	-
113+42	LT	PE	45.00	1.50	3.78	9.00	4.50	0.09	-	-
117+19	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
117+78	RT	FE	4.67	1.50	0.39	0.93	0.47	0.01	-	-
124+13	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
133+77	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
139+28	LT	FE	5.67	1.50	0.48	1.13	0.57	0.01	-	-
143+78	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
155+22	LT	PE	40.56	1.50	3.41	-	4.06	0.08	-	-
156+84	LT	SR	129.63	1.50	10.89	-	12.96	0.26	-	-
156+94	RT	SR	129.63	1.50	10.89	-	12.96	0.26	-	-
157+40	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
166+32	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
172+16	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
172+20	RT	PE	53.89	1.50	4.53	10.78	5.39	0.11	-	-
174+01	RT	PE	38.89	1.50	3.27	7.78	3.89	0.08	-	-
178+47	LT	PE	47.78	1.50	4.01	9.56	4.78	0.10	-	-
178+47	RT	MBTO	40.00	1.50	3.36	8.00	4.00	0.08	-	-
196+47	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
196+47	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
209+88	LT	SR	136.11	1.50	12.74	-	13.61	0.27	-	-
209+88	RT	SR	151.67	1.50	11.43	-	15.17	0.30	-	-
503+81	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
525+85	LT	PE	34.44	1.50	2.89	6.89	3.44	0.07	-	-
525+94	RT	CE	42.22	1.50	3.55	3.00	1.50	0.03	13.60	0.08 *
526+10	LT	FE	13.00	1.50	1.09	2.60	1.30	0.03	-	-
531+02	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
539+21	LT	FE	12.33	1.50	1.04	2.47	1.23	0.02	-	-
539+21	RT	PE	67.22	1.50	5.65	-	6.72	0.13	-	-
545+33	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
545+67	RT	PE/MBTO	74.44	1.50	6.25	14.89	7.44	0.15	-	-
548+20	RT	PE	38.33	1.50	3.22	-	3.83	0.08	-	-
550+24	RT	PE/MBTO	70.56	1.50	5.93	14.11	7.06	0.14	-	-
551+93	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
552+43	LT	SR	151.67	1.50	12.74	-	15.17	0.30	-	-
552+43	RT	SR	155.56	1.50	13.07	-	15.56	0.31	-	-
556+03	RT	PE	43.89	1.50	3.69	-	4.39	0.09	-	-
556+75	LT	PE/MBTO	76.56	1.50	6.43	15.31	7.66	0.15	-	-
562+00	RT	FE	11.67	1.50	0.98	2.33	1.17	0.02	-	-
562+55	LT	PE/MBTO	66.00	1.50	5.54	8.08	4.04	0.08	12.80	0.08 *
563+66	LT	MBTO	40.00	1.50	3.36	8.00	4.00	0.08	-	-
563+72	RT	PE	48.33	1.50	4.06	9.67	4.83	0.10	-	-
566+94	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-
567+88	LT	MBTO	40.00	1.50	3.36	8.00	4.00	0.08	-	-
567+97	RT	PE	54.44	1.50	4.57	10.89	5.44	0.11	-	-
569+25	LT	MBTO	40.00	1.50	3.36	8.00	4.00	0.08	-	-
569+60	RT	PE	45.56	1.50	3.83	9.11	4.56	0.09	-	-
570+25	RT	PE	56.67	1.50	4.76	11.33	5.67	0.11	-	-

* PROPOSED WORK SHALL INCREASE THE EXISTING HMA SURFACE AREA AT THIS LOCATION.

(CONTINUED NEXT SHEET)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	14

*(37,37-1,2&3)RS-1

SHEET 3 OF 3

SCHEDULE OF QUANTITIES

INCIDENTAL QUANTITIES

INCIDENTAL HMA SURFACING				HMA BASE PREPARATION					AGGREGATE BASE PREPARATION			
STATION	LT/RT	TYPE	SQ YD	AVERAGE THICKNESS	(40800050) INCIDENTAL HMA SURFACE	(44000196) HMA SURFACE	(40800010) BIT MATERIAL	(40800030) AGG	(40800010) BIT MATERIAL	(40800030) AGG		
				INCHES	TON	REM SPL SQ YD	PR CT GAL	PR CT TON	PR CT GAL	PR CT TON		
571+80	RT	PE	28.89	1.50	2.43	-	-	-	14.45	0.09	**	
575+33	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-		
576+49	LT	PE/MBTO	77.22	1.50	6.49	15.44	7.72	0.15	-	-		
577+69	LT	PE	50.56	1.50	4.25	10.11	5.06	0.10	-	-		
578+77	RT	FE	5.67	1.50	0.48	1.13	0.57	0.01	-	-		
578+96	LT	FE	5.67	1.50	0.48	1.13	0.57	0.01	-	-		
589+28	LT	PE/MBTO	71.78	1.50	6.03	14.36	7.18	0.14	-	-		
589+28	RT	FE	4.67	1.50	0.39	0.93	0.47	0.01	-	-		
590+15	LT	PE	47.78	1.50	4.01	9.56	4.78	0.10	-	-		
591+97	LT	SR	151.67	1.50	12.74	-	15.17	0.30	-	-		
592+11	RT	FE	5.67	1.50	0.48	1.13	0.57	0.01	-	-		
596+54	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-		
596+86	RT	PE	44.44	1.50	3.73	8.89	4.44	0.09	-	-		
597+08	LT	MBTO	40.00	1.50	3.36	-	-	-	20.00	0.12	**	
606+48	RT	FE	4.67	1.50	0.39	0.93	0.47	0.01	-	-		
610+60	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-		
615+31	LT	FE	6.33	1.50	0.53	1.27	0.63	0.01	-	-		
615+41	RT	FE	7.00	1.50	0.59	1.40	0.70	0.01	-	-		
623+70	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-		
631+46	LT	SR	151.67	1.50	12.74	-	15.17	0.30	-	-		
631+46	RT	SR	151.67	1.50	12.74	-	15.17	0.30	-	-		
632+93	LT	PE	47.22	1.50	3.97	-	4.72	0.09	-	-		
634+95	LT	PE	44.44	1.50	3.73	8.89	4.44	0.09	-	-		
636+90	LT	PE	46.67	1.50	3.92	9.33	4.67	0.09	-	-		
637+35	LT	MBTO	40.00	1.50	3.36	-	-	-	20.00	0.12	**	
638+17	LT	FE	6.33	1.50	0.53	1.27	0.63	0.01	-	-		
642+56	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-		
650+92	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-		
651+35	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-		
654+77	RT	PE	32.22	1.50	2.71	6.44	3.22	0.06	-	-		
656+71	RT	PE	41.67	1.50	3.50	-	4.17	0.08	-	-		
657+95	RT	PE	49.44	1.50	4.15	-	4.94	0.10	-	-		
667+18	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-		
671+01	RT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-		
676+31	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-		
680+82	LT	FE	4.67	1.50	0.39	0.93	0.47	0.01	-	-		
680+83	RT	FE	4.67	1.50	0.39	0.93	0.47	0.01	-	-		
681+44	LT	FE	4.67	1.50	0.39	0.93	0.47	0.01	-	-		
681+44	RT	FE	4.67	1.50	0.39	0.93	0.47	0.01	-	-		
681+95	RT	FE	4.67	1.50	0.39	0.93	0.47	0.01	-	-		
681+96	LT	FE	4.67	1.50	0.39	0.93	0.47	0.01	-	-		
683+53	LT	FE	5.00	1.50	0.42	1.00	0.50	0.01	-	-		
TOTALS =				459.69	485.71	515.95	10.32	80.84	0.48			
USE =				460.0	486.0	516.0	10.5	85.0	0.5			

** PROPOSED WORK SHALL IMPROVE THE EXISTING AGGREGATE SHOULDER WITH A PROPOSED INCIDENTAL HMA SURFACE AT THIS LOCATION.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	15

*(37,37-1,2&3)RS-1

SHEET 1 OF 4

SCHEDULE OF QUANTITIES

TABULATION OF CLASS D PATCHES, 12 INCH

STATION	LANE	LENGTH (FT)	WIDTH (FT)	DEPTH (IN)	SOUTHBOUND PATCH AREA			
					TYPE 1 44201785 (SQ YD)	TYPE 2 44201789 (SQ YD)	TYPE 3 44201794 (SQ YD)	TYPE 4 44201796 (SQ YD)
COLES - DOUGLAS COUNTY LINE								
163+60	SB	4.00	12.00	12.00		5.33		
165+68	SB	20.00	12.00	12.00				26.67
167+51	SB	8.00	12.00	12.00		10.67		
169+70	SB	6.00	12.00	12.00		8.00		
170+54	SB	6.00	12.00	12.00		8.00		
173+55	SB	4.00	12.00	12.00		5.33		
193+71	SB	6.00	12.00	12.00		8.00		
195+74	SB	8.00	12.00	12.00		10.67		
199+84	SB	10.00	12.00	12.00		13.33		
203+85	SB	8.00	6.00	12.00		5.33		
SOUTHBOUND SHEET TOTALS					0.00	74.66	0.00	26.67

STATION	LANE	LENGTH (FT)	WIDTH (FT)	DEPTH (IN)	NORTHBOUND PATCH AREA			
					TYPE 1 44201785 (SQ YD)	TYPE 2 44201789 (SQ YD)	TYPE 3 44201794 (SQ YD)	TYPE 4 44201796 (SQ YD)
COLES - DOUGLAS COUNTY LINE								
116+47	NB	8.00	12.00	12.00		10.67		
163+60	NB	4.00	12.00	12.00		5.33		
165+68	NB	8.00	12.00	12.00		10.67		
167+51	NB	6.00	12.00	12.00		8.00		
167+71	NB	8.00	6.00	12.00		5.33		
169+70	NB	6.00	12.00	12.00		8.00		
170+54	NB	6.00	12.00	12.00		8.00		
173+55	NB	4.00	12.00	12.00		5.33		
178+09	NB	6.00	6.00	12.00	4.00			
193+71	NB	6.00	12.00	12.00		8.00		
199+68	NB	8.00	12.00	12.00		10.67		
206+90	NB	6.00	6.00	12.00	4.00			
212+79	NB	6.00	12.00	12.00		8.00		
216+90	NB	6.00	12.00	12.00		8.00		
NORTHBOUND SHEET TOTALS					8.00	96.00	0.00	0.00

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\4507002 (v8)\7002text.dgn
 PLOT SCALE = 105.8824 ' / IN.
 USER NAME = phillipsjr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	16

* (37,37-1,2&3)RS-1

SCHEDULE OF QUANTITIES

SHEET 2 OF 4

TABULATION OF CLASS D PATCHES, 12 INCH

STATION	LANE	LENGTH (FT)	WIDTH (FT)	DEPTH (IN)	SOUTHBOUND PATCH AREA			
					TYPE 1 44201785 (SQ YD)	TYPE 2 44201789 (SQ YD)	TYPE 3 44201794 (SQ YD)	TYPE 4 44201796 (SQ YD)
STA. EQN. 216+91.00 (BK) - 1+00.97 (AH)								
1+91	SB	6.00	12.00	12.00		8.00		
8+50	SB	8.00	12.00	12.00		10.67		
14+00	SB	6.00	12.00	12.00		8.00		
28+07	SB	10.00	12.00	12.00		13.33		
32+97	SB	6.00	12.00	12.00		8.00		
58+52	SB	4.00	12.00	12.00		5.33		
61+48	SB	6.00	12.00	12.00		8.00		
72+31	SB	6.00	12.00	12.00		8.00		
105+16	SB	6.00	12.00	12.00		8.00		
106+17	SB	4.00	12.00	12.00		5.33		
106+73	SB	4.00	12.00	12.00		5.33		
107+56	SB	4.00	12.00	12.00		5.33		
SOUTHBOUND SHEET TOTALS					0.00	93.32	0.00	0.00

STATION	LANE	LENGTH (FT)	WIDTH (FT)	DEPTH (IN)	NORTHBOUND PATCH AREA			
					TYPE 1 44201785 (SQ YD)	TYPE 2 44201789 (SQ YD)	TYPE 3 44201794 (SQ YD)	TYPE 4 44201796 (SQ YD)
STA. EQN. 216+91.00 (BK) - 1+00.97 (AH)								
1+91	NB	6.00	12.00	12.00		8.00		
8+50	NB	8.00	12.00	12.00		10.67		
14+00	NB	6.00	12.00	12.00		8.00		
21+01	NB	6.00	6.00	12.00	4.00			
28+07	NB	10.00	12.00	12.00		13.33		
31+46	NB	6.00	6.00	12.00	4.00			
32+97	NB	6.00	12.00	12.00		8.00		
58+52	NB	4.00	12.00	12.00		5.33		
61+48	NB	6.00	12.00	12.00		8.00		
67+02	NB	6.00	6.00	12.00	4.00			
72+31	NB	6.00	12.00	12.00		8.00		
102+15	NB	4.00	12.00	12.00		5.33		
105+16	NB	6.00	12.00	12.00		8.00		
106+17	NB	4.00	12.00	12.00		5.33		
106+73	NB	4.00	12.00	12.00		5.33		
107+56	NB	4.00	12.00	12.00		5.33		
NORTHBOUND SHEET TOTALS					12.00	98.65	0.00	0.00

PLOT DATE = 3/26/2007
 FILE NAME = ct\projects\d507002 (v8)\7002text.dgn
 PLOT SCALE = 105.8824' / IN.
 USER NAME = philipsjr

(CONTINUED NEXT SHEET)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	18

*(37,37-1,2&3)RS-1

SHEET 4 OF 4

SCHEDULE OF QUANTITIES

TABULATION OF CLASS D PATCHES, 12 INCH

CLASS D PATCH, 12 INCH	PATCH AREA			
	TYPE 1 44201785 (SQ YD)	TYPE 2 44201789 (SQ YD)	TYPE 3 44201794 (SQ YD)	TYPE 4 44201796 (SQ YD)
SUBTOTALS				
SHEET 15 SOUTHBOUND SUBTOTALS	0.00	74.66	0.00	26.67
SHEET 16 SOUTHBOUND SUBTOTALS	0.00	93.32	0.00	0.00
SHEET 17 SOUTHBOUND SUBTOTALS	0.00	101.31	16.00	0.00
SOUTHBOUND SUBTOTALS	0.00	269.29	16.00	26.67

SHEET 15 NORTHBOUND SUBTOTALS	8.00	96.00	0.00	0.00
SHEET 16 NORTHBOUND SUBTOTALS	12.00	98.65	0.00	0.00
SHEET 17 NORTHBOUND SUBTOTALS	0.00	98.65	16.00	26.67
NORTHBOUND SUBTOTALS	20.00	293.30	16.00	26.67

CLASS D PATCH, 12" TOTALS	20.00	562.59	32.00	53.34
USE	20.0	563.0	32.0	54.0

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 USER NAME = philipsjr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	19

*(37,37-1,2&3)RS-1

SHEET 1 OF 4

SCHEDULE OF QUANTITIES

TABULATION OF PARTIAL DEPTH PATCHES

SOUTHBOUND				EXISTING OVERLAY DEPTH (IN)	PARTIAL DEPTH REMOVAL X4401705 (SQ YD)	PARTIAL DEPTH PATCHING X4421000 (TON)
STATION	LANE	LENGTH (FT)	WIDTH (FT)			
COLES - DOUGLAS COUNTY LINE						
130+44	SB	6.00	12.00	4.00	8.00	3.14
143+52	SB	4.00	12.00	4.00	5.33	2.09
149+54	SB	4.00	12.00	4.00	5.33	2.09
159+60	SB	6.00	12.00	4.00	8.00	3.14
167+71	SB	4.00	12.00	4.00	5.33	2.09
177+13	SB	6.00	6.00	4.00	4.00	1.57
177+36	SB	6.00	6.00	4.00	4.00	1.57
177+82	SB	10.00	12.00	4.00	13.33	5.23
178+43	SB	6.00	6.00	4.00	4.00	1.57
179+12	SB	6.00	20.00	4.00	13.33	5.23
191+73	SB	6.00	12.00	4.00	8.00	3.14
203+00	SB	6.00	6.00	4.00	4.00	1.57
SOUTHBOUND PAGE TOTALS					82.67	32.41

NORTHBOUND				EXISTING OVERLAY DEPTH (IN)	PARTIAL DEPTH REMOVAL X4401705 (SQ YD)	PARTIAL DEPTH PATCHING X4421000 (TON)
STATION	LANE	LENGTH (FT)	WIDTH (FT)			
COLES - DOUGLAS COUNTY LINE						
130+44	NB	6.00	12.00	4.00	8.00	3.14
143+52	NB	4.00	12.00	4.00	5.33	2.09
149+54	NB	4.00	12.00	4.00	5.33	2.09
158+55	NB	6.00	12.00	4.00	8.00	3.14
168+70	NB	6.00	12.00	4.00	8.00	3.14
177+04	NB	4.00	6.00	4.00	2.67	1.05
177+73	NB	6.00	6.00	4.00	4.00	1.57
178+43	NB	6.00	6.00	4.00	4.00	1.57
179+34	NB	6.00	8.00	4.00	5.33	2.09
185+92	NB	6.00	20.00	4.00	13.33	5.23
NORTHBOUND PAGE TOTALS					64.00	25.09

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\4507002 (v8)\7002text.dgn
 PLOT SCALE = 105.8824 / IN.
 USER NAME = philips,jr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	22

*(37,37-1,2&3)RS-1

SCHEDULE OF QUANTITIES

SHEET 4 OF 4

TABULATION OF PARTIAL DEPTH PATCHES

PARTIAL DEPTH PATCHING SUBTOTALS	PARTIAL DEPTH REMOVAL X4401705 (SQ YD)	PARTIAL DEPTH PATCHING X4421000 (TON)
SHEET 19 SOUTHBOUND SUBTOTALS	82.67	32.41
SHEET 20 SOUTHBOUND SUBTOTALS	128.00	43.01
SHEET 21 SOUTHBOUND SUBTOTALS	41.33	16.20
SOUTHBOUND SUBTOTALS	252.00	91.62
SHEET 19 NORTHBOUND SUBTOTALS	64.00	25.09
SHEET 20 NORTHBOUND SUBTOTALS	176.00	59.14
SHEET 21 NORTHBOUND SUBTOTALS	84.00	32.93
NORTHBOUND SUBTOTALS	324.00	117.16
PARTIAL DEPTH PATCHING TOTALS	576.00	208.78
USE	576.0	209.0

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\d507002 (v8)\7002text.dgn
 PLOT SCALE = 105.8824 ' / IN.
 USER NAME = phillipsjr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	23

*(37,37-1,2&3)RS-1

SCHEDULE OF QUANTITIES

48101200 AGGREGATE SHOULDERS, TYPE B

STATION	TO	STATION	DESCRIPTION	LENGTH (FT)	WIDTH (FT)	AVERAGE THICKNESS (FT)	(TON)
<u>SOUTHBOUND</u>							
109+00.00		214+54.00	IL 133 INTERSECTION	10554.00	5.0	0.165	580.47
1+00.97		107+60.00	SN 021-0049	10659.03	4.0	0.144	409.31
108+80.00		210+85.93	STA. EQN.	10205.93	4.0	0.144	391.91
501+01.77		512+82.99	SN 021-0031	1181.22	4.0	0.144	45.36
514+50.41		529+16.79	STA. EQN.	1466.38	4.0	0.144	56.31
529+15.31		602+93.00	SN 021-0030	7377.69	4.0	0.144	283.30
605+27.00		691+00.00		8573.00	4.0	0.144	329.20
SUBTOTAL (SB) =							2095.86

NORTHBOUND

109+00.00		214+54.00	IL 133 INTERSECTION	10554.00	5.0	0.165	580.47
1+00.97		107+60.00	SN 021-0049	10659.03	4.0	0.144	409.31
108+80.00		210+85.93	STA. EQN.	10205.93	4.0	0.144	391.91
501+01.77		512+82.99	SN 021-0031	1181.22	4.0	0.144	45.36
514+50.41		529+16.79	STA. EQN.	1466.38	4.0	0.144	56.31
529+15.31		602+93.00	SN 021-0030	7377.69	4.0	0.144	283.30
605+27.00		691+00.00		8573.00	4.0	0.144	329.20
SUBTOTAL (NB) =							2095.86

IL 133 INTERSECTION RADII

214+54.00	214+80.00	IL 130 SB	26.00	5.0	0.165	1.43	
214+54.00	215+00.00	IL 130 NB	46.00	5.0	0.165	2.53	
216+60.00	216+91.00	IL 130 SB	31.00	4.0	0.144	1.19	
216+40.00	216+91.00	IL 130 NB	51.00	4.0	0.144	1.96	
372+30.00	373+25.00	IL 133 EB	95.00	7.0	0.144	6.38	
372+30.00	373+00.00	IL 133 WB	70.00	7.0	0.144	4.70	
374+65.00	375+12.00	IL 133 EB	47.00	7.0	0.144	3.16	
374+40.00	375+12.00	IL 133 WB	72.00	7.0	0.144	4.84	
SUBTOTAL (RADII) =							26.19

TOTALS = 4217.91

USE = 4220.0

CONVERSION FACTOR: 1.8 TON/CY

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\4507002 (v8)\7002 text.dgn
 PLOT SCALE = 105.8824 ' / IN.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	24

*(37,37-1,2&3)RS-1

SCHEDULE OF QUANTITIES

66700110 PERMANENT SURVEY MARKERS TO BE ADJUSTED

STATION	OFFSET(FT)	LT/RT	TYPE	SET AS	(EACH)
109+88.00	-	-	SC	PSM - VAULT	1.0
136+25.20	5.60	LT	SC	PSM - VAULT	1.0
162+60.50	8.85	LT	SC	PSM - VAULT	1.0
189+10.20	8.00	RT	SC	PSM - VAULT	1.0
215+66.70	1.40	RT	SC	PSM - VAULT	1.0
51+38.00	0.60	LT	SC	PSM - VAULT	1.0
209+84.64	3.00	LT	SC	PSM - VAULT	1.0
210+85.93	STATION EQUATION				
526+07.48	3.75	LT	SC	PSM - VAULT	1.0
529+16.79	STATION EQUATION				
552+43.70	19.70	LT	SC	PSM - VAULT	1.0
578+83.50	13.15	LT	SC	PSM - VAULT	1.0
<u>TOTAL =</u>					<u>10.0</u>

Z0070100 SURVEY MONUMENT COVER ASSEMBLY

STATION	OFFSET(FT)	LT/RT	TYPE	SET AS	(EACH)
27+90.47	-	-	PI	PSM-T1	1.0
52+29.87	4.90	LT	PI	PSM-T1	1.0
59+76.95	-	-	PC	PSM-T1	1.0
69+22.96	-	-	PT	PSM-T1	1.0
95+86.42	-	-	PI	PSM-T1	1.0
113+40.00	-	-	PI	PSM-T1	1.0
143+90.62	-	-	PC	PSM-T1	1.0
153+54.90	-	-	PT	PSM-T1	1.0
176+96.11	4.06	RT	PI	PSM-T1	1.0
210+85.93	STATION EQUATION		POT	PSM-T1	1.0
521+86.69	1.26	RT	PI	PSM (SPL)	1.0
529+16.79	STATION EQUATION		POT	PSM-T1	1.0
547+65.81	-	-	PC	PSM-T1	1.0
557+44.71	-	-	PT	PSM-T1	1.0
567+85.72	-	-	PI	PSM (SPL)	1.0
578+98.40	-	-	PI	PSM-T1	1.0
596+18.10	1.16	LT	PI	PSM (SPL)	1.0
622+26.82	-	-	PC	PSM-T1	1.0
631+46.00	-	-	SC	PSM-T1	1.0
632+22.98	-	-	PT	PSM-T1	1.0
651+50.79	-	-	PC	PSM-T1	1.0
661+60.44	-	-	PT	PSM-T1	1.0
664+97.15	-	-	PC	PSM-T1	1.0
675+17.07	-	-	PT	PSM-T1	1.0
<u>TOTAL =</u>					<u>24.0</u>

PLOT DATE = 3/26/2007
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 PLOT SCALE = 105.8824' / IN.
 USER NAME = phillipsjr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	25

*(37,37-1,2&3)RS-1

SCHEDULE OF QUANTITIES

70300100 SHORT TERM PAVEMENT MARKING

LOCATION	DESCRIPTION	LENGTH (FT)
CENTERLINE	YELLOW: LINE 4 INCH	15165.00
<u>TOTAL =</u>		<u>15165.0</u>

78001110 PAINT PAVEMENT MARKING - LINE 4 INCH

LOCATION	DESCRIPTION	LENGTH (FT)
CENTERLINE IL 130	YELLOW SKIP DASH	12563.64
CENTERLINE IL 133	YELLOW SKIP DASH	70.50
<u>SUBTOTAL =</u>		<u>12634.14</u>
LEFT EOP IL 130	WHITE SOLID	50254.55
RIGHT EOP IL 130	WHITE SOLID	50254.55
LEFT EOP IL 133	WHITE SOLID	150.00
RIGHT EOP IL 133	WHITE SOLID	150.00
<u>SUBTOTAL =</u>		<u>100809.10</u>
<u>TOTAL =</u>		<u>113443.24</u>
<u>USE =</u>		<u>113450.0</u>

78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE)

STATION	SECTION	DESCRIPTION	AREA (SQ FT)
133+70	27-T15N-R9E	AERIAL SPEED CHECK	10.64
140+33	27-T15N-R9E	AERIAL SPEED CHECK	10.64
<u>TOTAL =</u>			<u>21.28</u>
<u>USE =</u>			<u>21.3</u>

78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6 INCH (WHITE)

LOCATION	DESCRIPTION	LENGTH (FT)
IL 133 INTERSECTION	ISLAND - SE QUADRANT	123.00
IL 133 INTERSECTION	ISLAND - NW QUADRANT	109.00
<u>TOTAL =</u>		<u>232.0</u>

78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12 INCH (WHITE)

LOCATION	DESCRIPTION	LENGTH (FT)
IL 133 INTERSECTION	ISLAND - SE QUADRANT	40.00
IL 133 INTERSECTION	ISLAND - NW QUADRANT	43.00
<u>TOTAL =</u>		<u>83.0</u>

78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24 INCH (WHITE)

LOCATION	DESCRIPTION	LENGTH (FT)
IL 133 INTERSECTION	NB THRU	13.00
IL 133 INTERSECTION	NB TURNING EAST	18.00
IL 133 INTERSECTION	EB THRU	18.00
IL 133 INTERSECTION	WB THRU	17.00
IL 133 INTERSECTION	SB THRU	13.00
IL 133 INTERSECTION	SB TURNING WEST	18.00
<u>TOTAL =</u>		<u>97.0</u>

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

STATION	TO	STATION	DESCRIPTION	(EACH)
109+00.00		691+00.00	IL 130 CENTERLINE	630.00
372+30.00		375+12.00	IL 133 CENTERLINE	4.00
<u>TOTAL =</u>				<u>634.0</u>

78100100 RAISED REFLECTIVE PAVEMENT MARKER (AMBER BIDIRECTIONAL)

STATION	TO	STATION	DESCRIPTION	(EACH)
109+00.00		691+00.00	IL 130 CENTERLINE	630.00
372+30.00		375+12.00	IL 133 CENTERLINE	4.00
<u>TOTAL =</u>				<u>634.0</u>

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\4507002 (v8)\7002text.dgn
 PLOT SCALE = 105.8824' / IN.
 USER NAME = phillipsjr

CONTRACT NO. 70276				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	26
STA. 106+00		TO STA. 121+00		
* (37,37-1,2&3)RS-1				

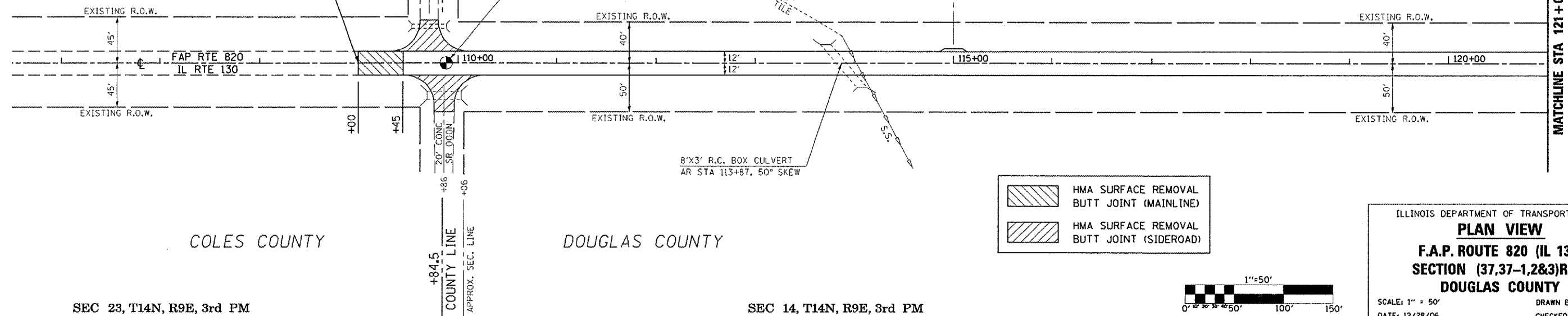
SEC 22, T14N, R9E, 3rd PM

SEC 15, T14N, R9E, 3rd PM



PROJECT BEGINS
STATION 109+00.00

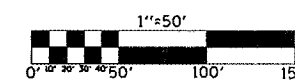
SE COR. SEC. 15, T14N, R9E, 3rd PM
AL. CAP IN VAULT. STA 109+88.00, 0.0' LT



COLES COUNTY

DOUGLAS COUNTY

- HMA SURFACE REMOVAL BUTT JOINT (MAINLINE)
- HMA SURFACE REMOVAL BUTT JOINT (SIDEROAD)



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.P. ROUTE 820 (IL 130)
SECTION (37,37-1,2&3)RS-1
DOUGLAS COUNTY
 SCALE: 1" = 50'
 DATE: 12/28/06
 DRAWN BY: JRP
 CHECKED BY:

STA 106+00 TO STA 121+00

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\4307082\4307082-reference.dgn
 PLOT SCALE = 1/8" = 50'
 USER NAME = philipar

SEC 23, T14N, R9E, 3rd PM

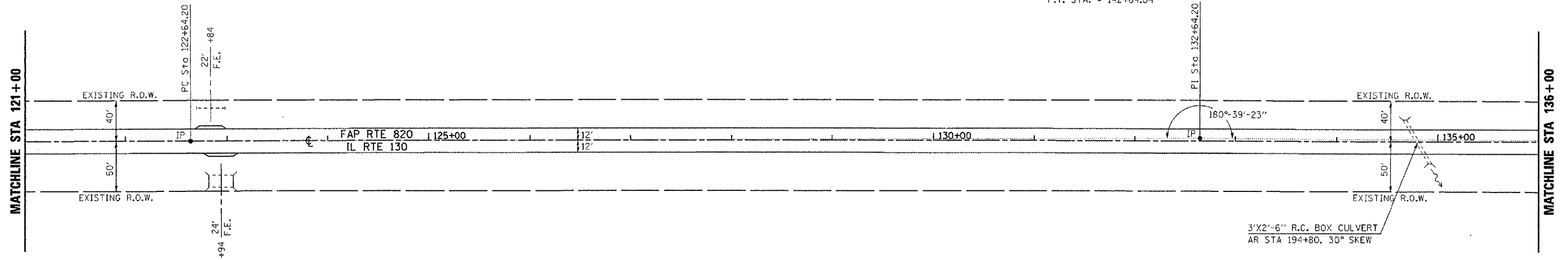
SEC 14, T14N, R9E, 3rd PM

SEC 15, T14N, R9E, 3rd PM

EXIST. CURVE DATA
 PI STA. = 132+64.20
 $\Delta = 0^\circ 39' 23''$ (RT)
 $D = 0^\circ 01' 58.15''$
 $R = 174,597.578'$
 $T = 1,000.00'$
 $L = 1999.872$
 $E = 2.864'$
 S.E. = NONE
 P.C. STA. = 122+64.20
 P.T. STA. = 142+64.04

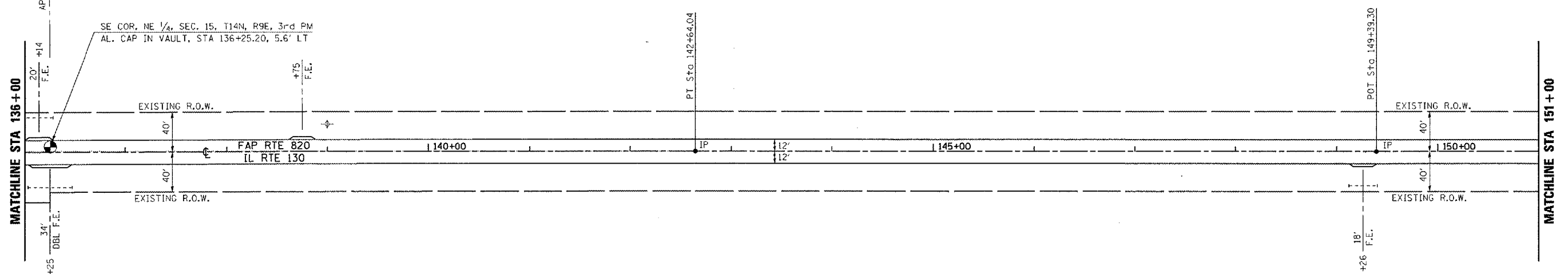


CONTRACT NO. 70276			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
820	*	DOUGLAS	57
STA. 121+00		TO STA. 151+00	
* (37,37-1,2&3)RS-1			

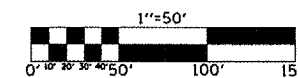


SEC 14, T14N, R9E, 3rd PM

SEC 15, T14N, R9E, 3rd PM



SEC 14, T14N, R9E, 3rd PM



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.P. ROUTE 820 (IL 130)
SECTION (37,37-1,2&3)RS-1
DOUGLAS COUNTY
 SCALE: 1" = 50'
 DATE: 12/28/06
 DRAWN BY: JRP
 CHECKED BY:

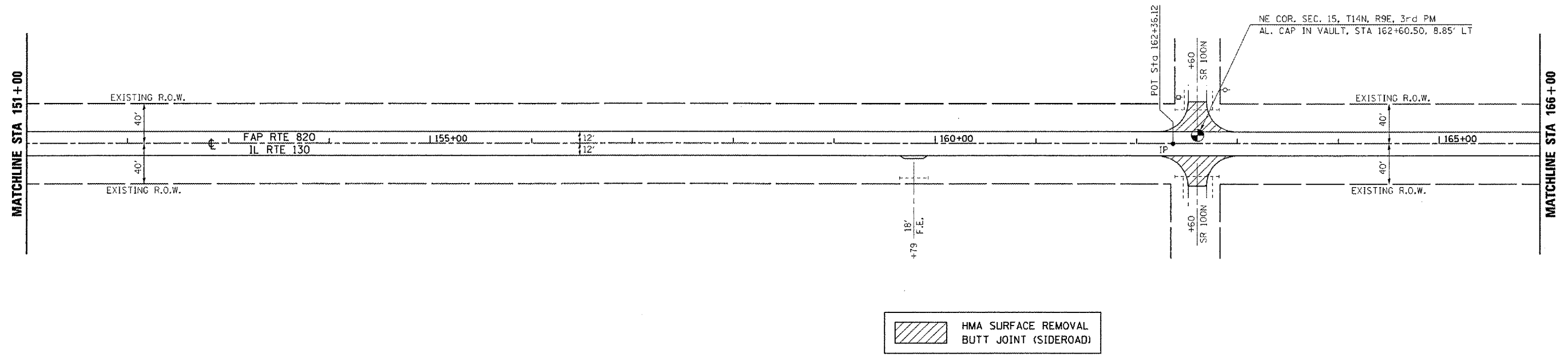
STA 121+00 TO STA 151+00

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\4507002 (48)7002-reference.dgn
 PLOT SCALE = 105.8624 / IN.
 USER NAME = philipjar

SEC 15, T14N, R9E, 3rd PM

SEC 10, T14N, R9E, 3rd PM

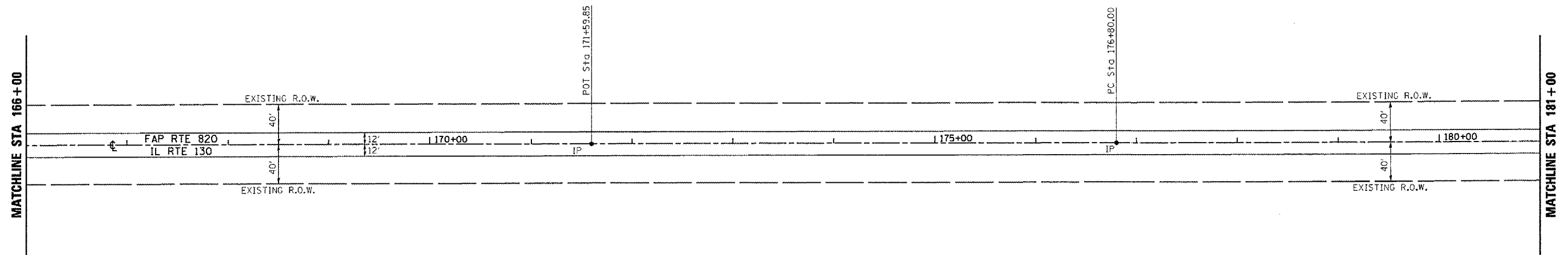
CONTRACT NO. 70276			
F.A.P. RTE. 820	SECTION *	COUNTY DOUGLAS	TOTAL SHEETS 57
STA. 151+00		TO STA. 181+00	
* I37,37-1,2&3RS-1			



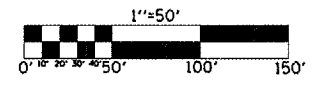
SEC 14, T14N, R9E, 3rd PM

SEC 11, T14N, R9E, 3rd PM

SEC 10, T14N, R9E, 3rd PM



SEC 11, T14N, R9E, 3rd PM



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.P. ROUTE 820 (IL 130)
SECTION (37,37-1,2&3)RS-1
DOUGLAS COUNTY
 SCALE: 1" = 50'
 DATE: 12/28/06
 DRAWN BY: JRP
 CHECKED BY:

STA 151+00 TO STA 181+00

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\45079802\45079802-reference.dgn
 USER NAME = philipsy

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	29

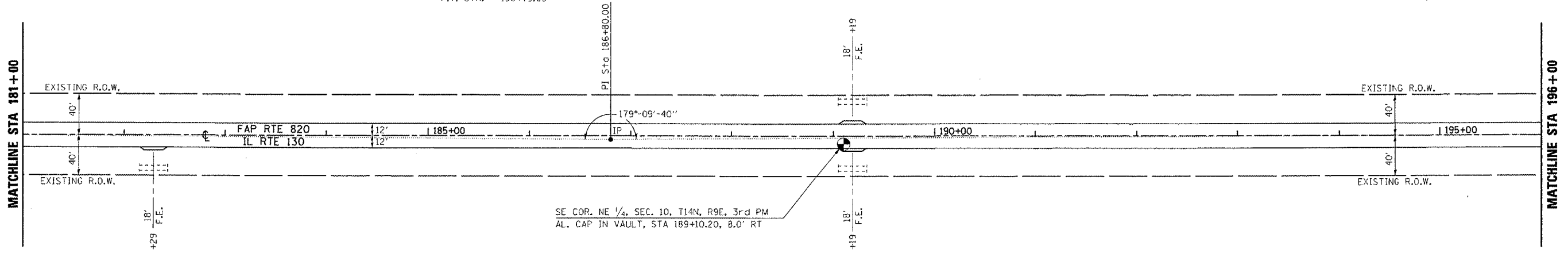
STA. 181+00 TO STA. 211+00

* (37,37-1,2&3)RS-1



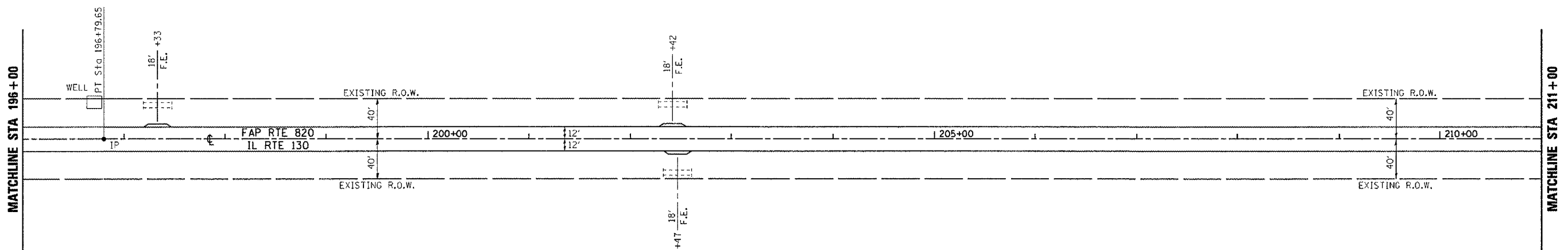
EXIST. CURVE DATA
 PI STA. = 186+80.00
 $\Delta = 0^\circ 50' 20''$ (LT)
 $D = 0^\circ 02' 31.01''$
 $R = 136,601.352'$
 $T = 1,000.00'$
 $L = 1,999.6541$
 $E = 3.6606'$
 $S.E. = NONE$
 P.C. STA. = 176+80.00
 P.T. STA. = 196+79.65

SEC 10, T14N, R9E, 3rd PM

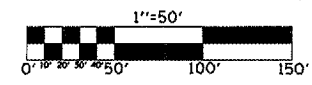


SEC 11, T14N, R9E, 3rd PM

SEC 10, T14N, R9E, 3rd PM



SEC 11, T14N, R9E, 3rd PM



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.P. ROUTE 820 (IL 130)
SECTION (37,37-1,2&3)RS-1
DOUGLAS COUNTY
 SCALE: 1" = 50'
 DATE: 12/28/06
 DRAWN BY: JRP
 CHECKED BY:

STA 181+00 TO STA 211+00

PLOT DATE : 3/26/2007
 FILE NAME : c:\projects\6697802\6697802-reference.dgn
 PLOT SCALE : 1/8"=1'-0" / IN.
 USER NAME : phillipsjr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	30

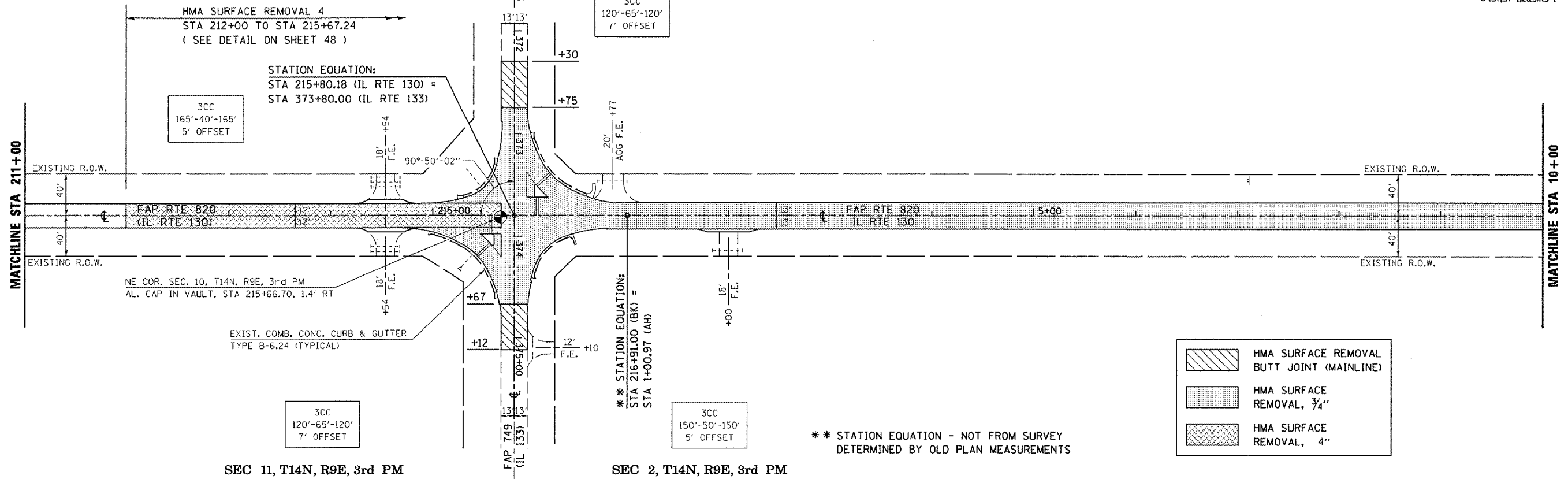
STA. 211+00 TO STA. 25+00

*(37,37-1,2&3)RS-1



SEC 10, T14N, R9E, 3rd PM

SEC 3, T14N, R9E, 3rd PM



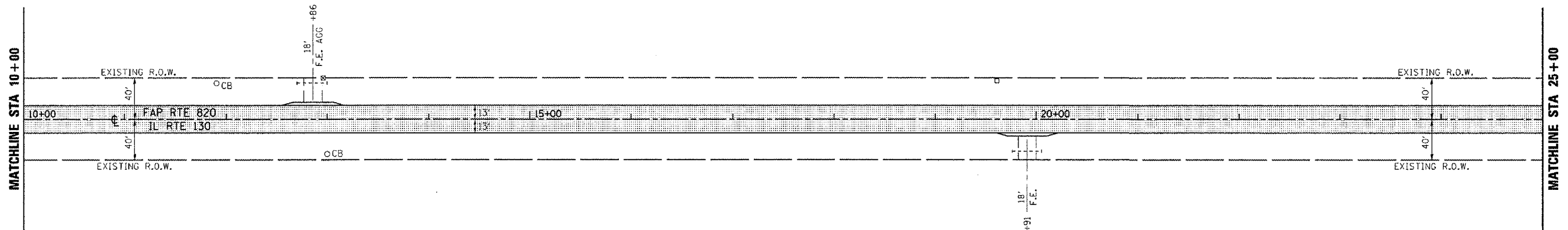
- HMA SURFACE REMOVAL BUTT JOINT (MAINLINE)
- HMA SURFACE REMOVAL, 3/4"
- HMA SURFACE REMOVAL, 4"

** STATION EQUATION - NOT FROM SURVEY DETERMINED BY OLD PLAN MEASUREMENTS

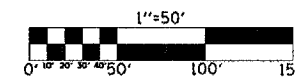
SEC 11, T14N, R9E, 3rd PM

SEC 2, T14N, R9E, 3rd PM

SEC 3, T14N, R9E, 3rd PM



- HMA SURFACE REMOVAL, 3/4"



ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN VIEW

**F.A.P. ROUTE 820 (IL 130)
SECTION (37,37-1,2&3)RS-1
DOUGLAS COUNTY**

SCALE: 1" = 50'
DATE: 12/28/06

DRAWN BY: JRP
CHECKED BY:

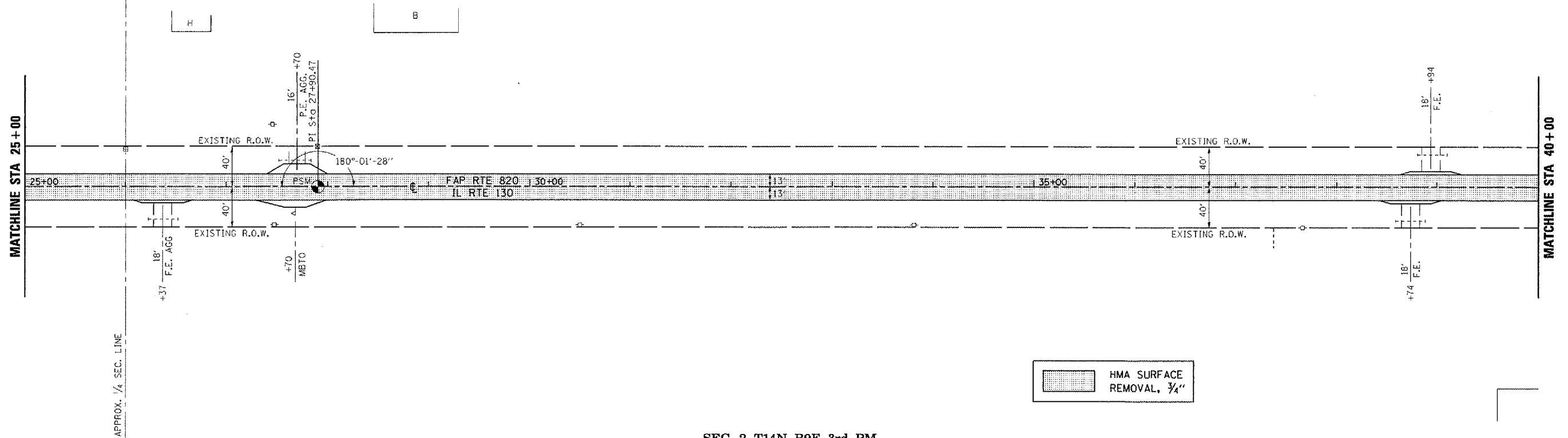
STA 211+00 TO STA 25+00

SEC 2, T14N, R9E, 3rd PM

PLOT DATE = 3/26/2007
FILE NAME = c:\projects\1207082\1207082-reference.dgn
PLOT SCALE = 1/8"=1'-0" / IN.
USER NAME = philipajr

SEC 3, T14N, R9E, 3rd PM

CONTRACT NO. 70276			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
820	*	DOUGLAS	57
STA. 25+00		TO STA. 55+00	
* (37,37-1,2&3)RS-1			



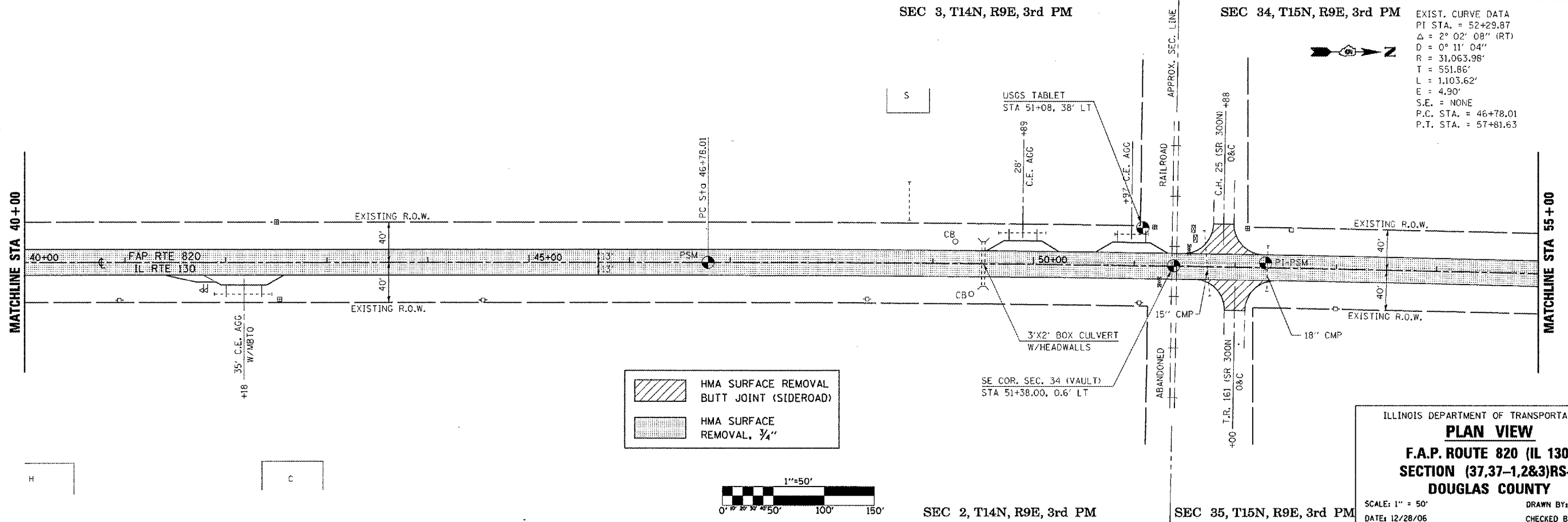
HMA SURFACE REMOVAL, 3/4"

SEC 2, T14N, R9E, 3rd PM

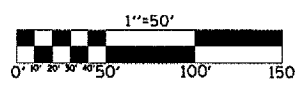
SEC 3, T14N, R9E, 3rd PM

SEC 34, T15N, R9E, 3rd PM

EXIST. CURVE DATA
 PI STA. = 52+29.87
 Δ = 2° 02' 08" (RT)
 D = 0° 11' 04"
 R = 31,063.98'
 T = 551.86'
 L = 1,103.62'
 E = 4.90'
 S.E. = NONE
 P.C. STA. = 46+78.01
 P.T. STA. = 57+81.63



HMA SURFACE REMOVAL BUTT JOINT (SIDEROAD)
 HMA SURFACE REMOVAL, 3/4"



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.P. ROUTE 820 (IL 130)
SECTION (37,37-1,2&3)RS-1
DOUGLAS COUNTY
 SCALE: 1" = 50'
 DATE: 12/28/06
 DRAWN BY: JRP
 CHECKED BY:

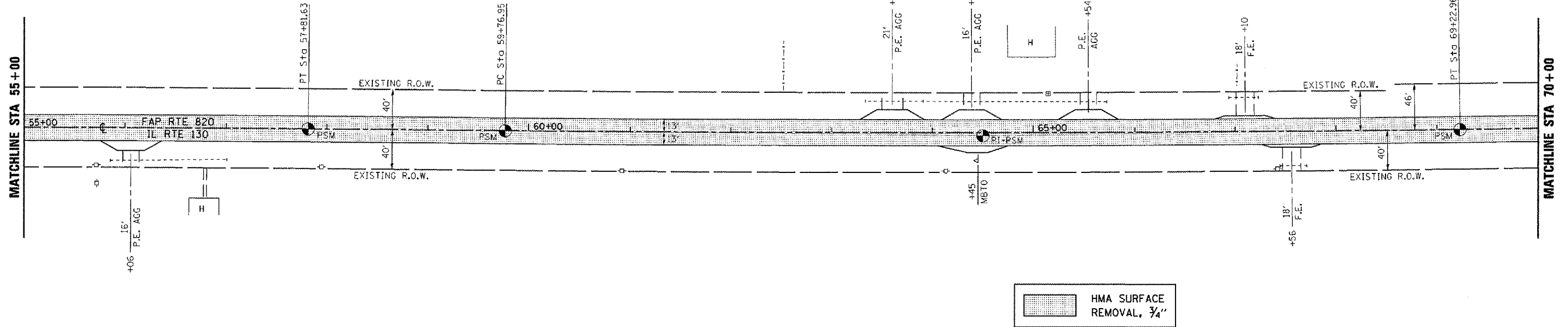
STA 25+00 TO STA 55+00

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\4507002 (v8)\7002-reference.dgn
 PLOT SCALE = 105,9824 * 1/31
 USER NAME = philipar

SEC 34, T15N, R9E, 3rd PM

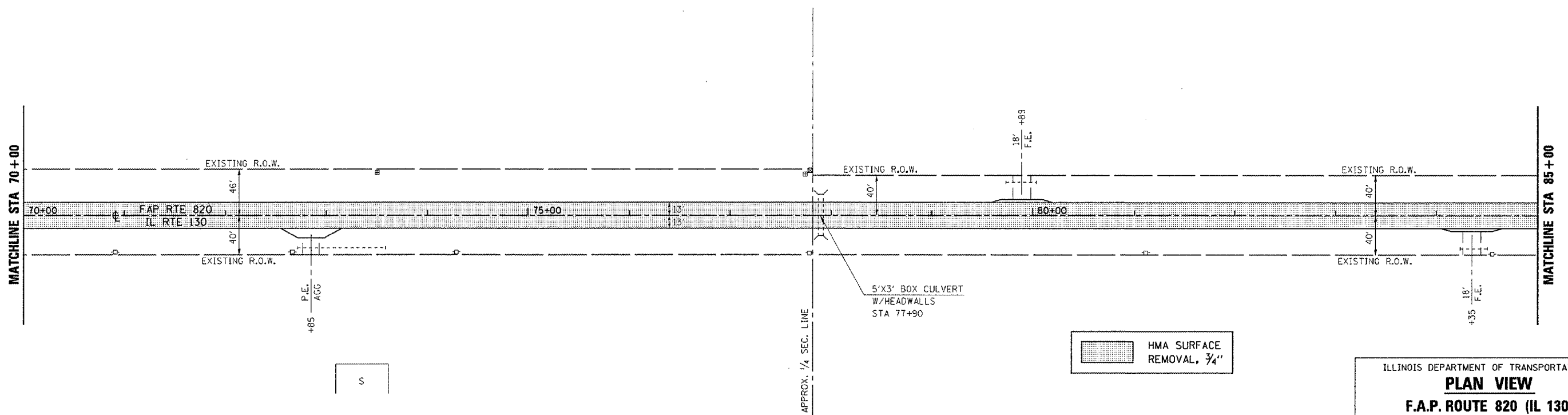
EXIST. CURVE DATA
 PI STA. = 64+49.98
 Δ = 1° 22' 56" (LT)
 D = 0° 08' 46"
 R = 39,213.84'
 T = 473.03'
 L = 946.01'
 E = 2.85'
 S.E. = NONE
 P.C. STA. = 59+76.95
 P.T. STA. = 69+22.96

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	32
STA. 55+00		TO STA. 85+00		
* (37,37-1,2&3)RS-1				

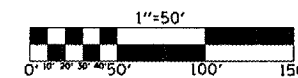


SEC 35, T15N, R9E, 3rd PM

SEC 34, T15N, R9E, 3rd PM



SEC 35, T15N, R9E, 3rd PM



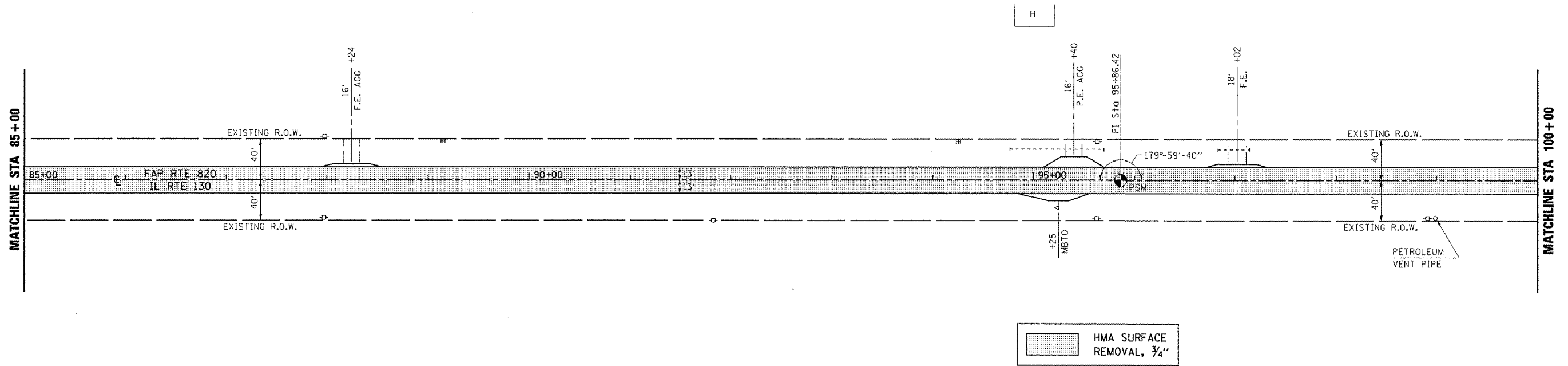
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.P. ROUTE 820 (IL 130)
 SECTION (37,37-1,2&3)RS-1
 DOUGLAS COUNTY
 SCALE: 1" = 50'
 DATE: 12/28/06
 DRAWN BY: JRP
 CHECKED BY:

STA 55+00 TO STA 85+00

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\4507082\4507082-reference.dgn
 PLOT SCALE = 106.8824" / IN.
 USER NAME = philipajr

SEC 34, T15N, R9E, 3rd PM

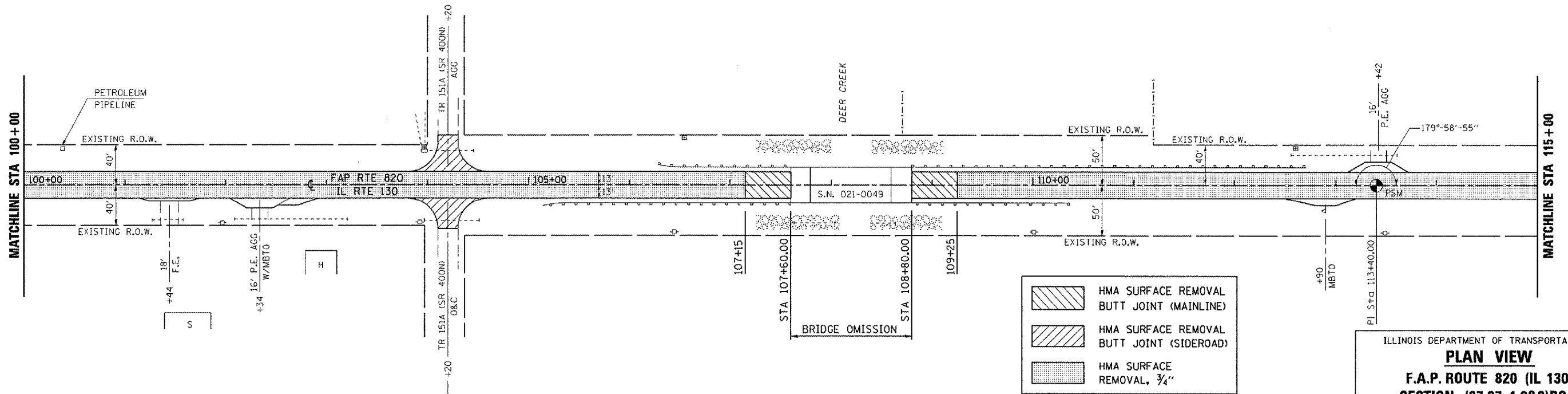
CONTRACT NO. 70276				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	33
STA. 85+00 TO STA. 115+00			* (37,37-1,2&3)RS-1	



SEC 35, T15N, R9E, 3rd PM

SEC 34, T15N, R9E, 3rd PM

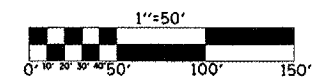
SEC 27, T15N, R9E, 3rd PM



SEC 35, T15N, R9E, 3rd PM

SEC 26, T15N, R9E, 3rd PM

- HMA SURFACE REMOVAL BUTT JOINT (MAINLINE)
- HMA SURFACE REMOVAL BUTT JOINT (SIDEROAD)
- HMA SURFACE REMOVAL, 3/4"



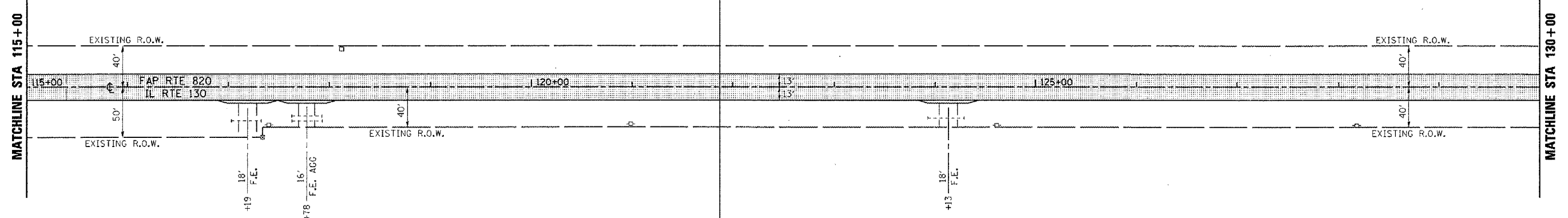
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.P. ROUTE 820 (IL 130)
SECTION (37,37-1,2&3)RS-1
DOUGLAS COUNTY
 SCALE: 1" = 50'
 DATE: 12/28/06
 DRAWN BY: JRP
 CHECKED BY:

STA 85+00 TO STA 115+00

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\1507002 (v.81)\7002-reference.dgn
 PLOT SCALE = 1/8"=50'
 USER NAME = philipr

SEC 27, T15N, R9E, 3rd PM

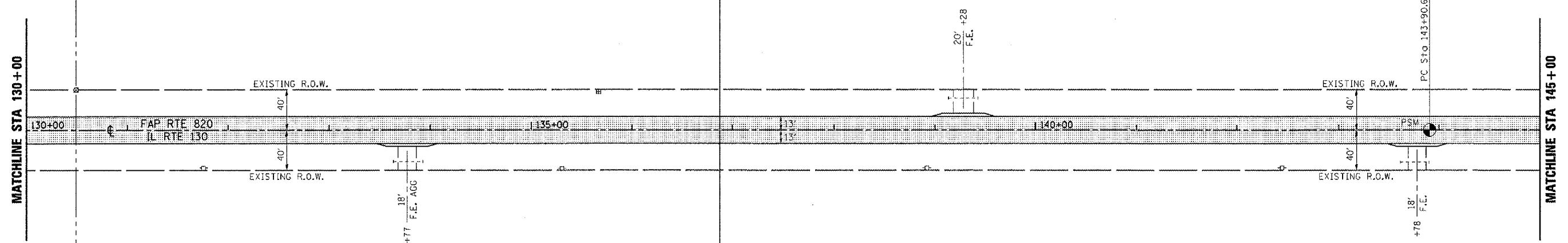
CONTRACT NO. 70276			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
820	*	DOUGLAS	67
STA. 115+00		TO STA. 145+00	
* (37,37-1,2&3)RS-1			



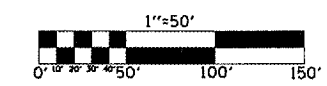
HMA SURFACE
REMOVAL, 3/4"

SEC 26, T15N, R9E, 3rd PM

SEC 27, T15N, R9E, 3rd PM



HMA SURFACE
REMOVAL, 3/4"



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.P. ROUTE 820 (IL 130)
SECTION (37,37-1,2&3)RS-1
DOUGLAS COUNTY
SCALE: 1" = 50'
DATE: 12/28/06
DRAWN BY: JRP
CHECKED BY:

SEC 26, T15N, R9E, 3rd PM

STA 115+00 TO STA 145+00

PLOT DATE = 3/26/2007
FILE NAME = c:\projects\0507082 (6)1\7682-reference.dgn
PLOT SCALE = 100,000 1/ IN.
USER NAME = philipap

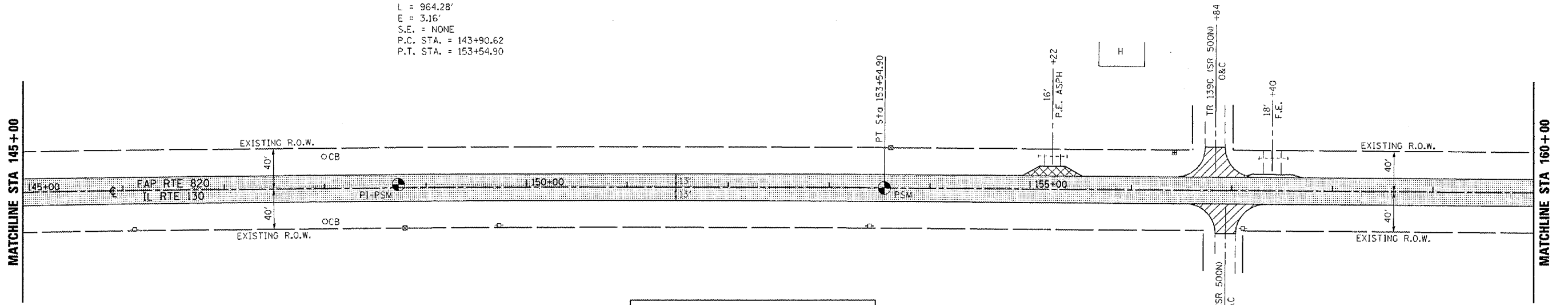
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	35
STA. 145+00		TO STA. 175+00		

*(37,37-1,2&3)RS-1

SEC 27, T15N, R9E, 3rd PM

SEC 22, T15N, R9E, 3rd PM

EXIST. CURVE DATA
 PI STA. = 148+72.79
 $\Delta = 1^\circ 30' 00''$ (RT)
 $D = 0^\circ 09' 20''$
 $R = 36,833.00'$
 $T = 482.17'$
 $L = 964.28'$
 $E = 3.16'$
 S.E. = NONE
 P.C. STA. = 143+90.62
 P.T. STA. = 153+54.90

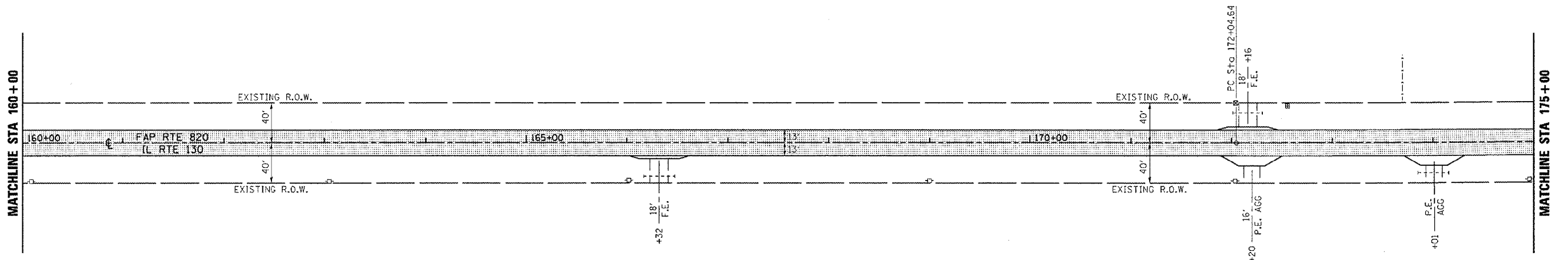


	HMA SURFACE REMOVAL BUTT JOINT (PRIVATE ENTR.)
	HMA SURFACE REMOVAL BUTT JOINT (SIDEROAD)
	HMA SURFACE REMOVAL, 3/4"

SEC 26, T15N, R9E, 3rd PM

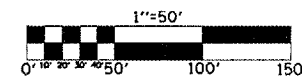
SEC 23, T15N, R9E, 3rd PM

SEC 22, T15N, R9E, 3rd PM



	HMA SURFACE REMOVAL, 3/4"
--	---------------------------

SEC 23, T15N, R9E, 3rd PM



ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN VIEW

F.A.P. ROUTE 820 (IL 130)
 SECTION (37,37-1,2&3)RS-1
 DOUGLAS COUNTY

SCALE: 1" = 50'
 DATE: 12/28/06

DRAWN BY: JRP
 CHECKED BY:

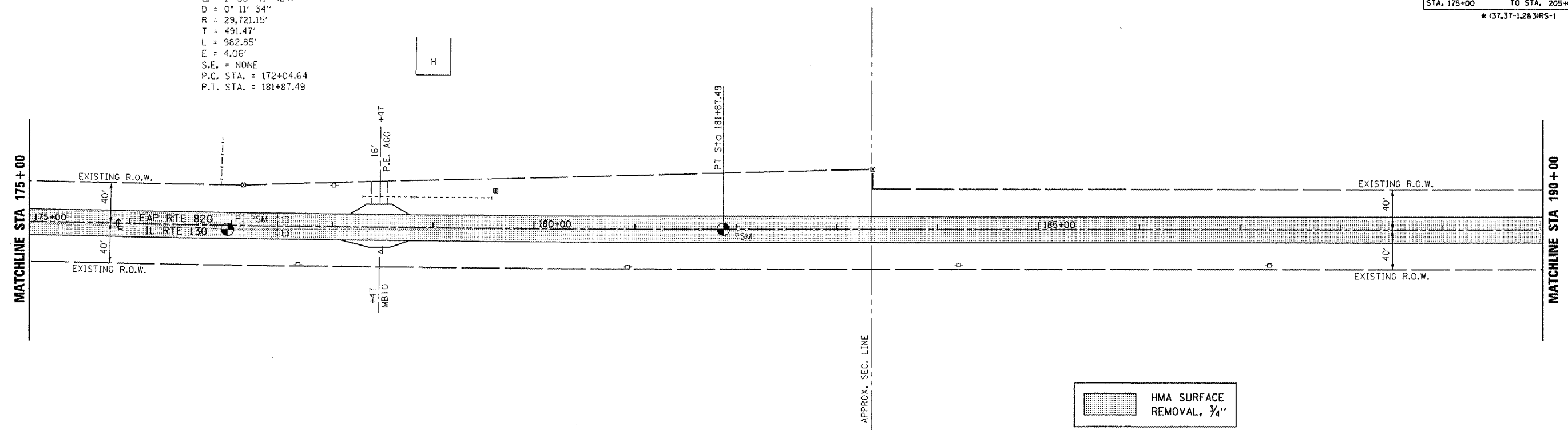
STA 145+00 TO STA 175+00

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\0507002\0507002-reference.dgn
 PLOT SCALE = 100.0000 / IN.
 USER NAME = philipspj

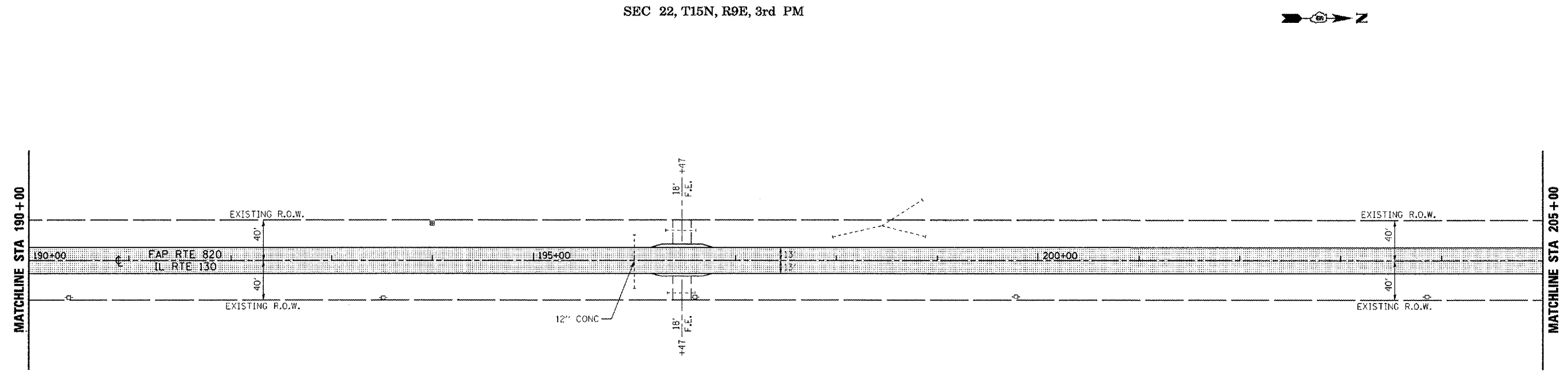
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	36
STA. 175+00 TO STA. 205+00			* (37,37-1,2&3)RS-1	

EXIST. CURVE DATA
 PI STA. = 176+96.11
 Δ = 1° 53' 41" (LT)
 D = 0° 11' 34"
 R = 29,721.15'
 T = 491.47'
 L = 982.85'
 E = 4.06'
 S.E. = NONE
 P.C. STA. = 172+04.64
 P.T. STA. = 181+87.49

SEC 22, T15N, R9E, 3rd PM

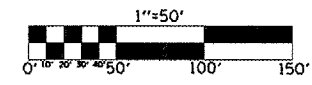


SEC 23, T15N, R9E, 3rd PM



PLOT DATE = 3/26/2007
 FILE NAME = c:\pco\jcs\587882 (587882-reference.dgn
 PLOT SCALE = 1/8\"/>

SEC 23, T15N, R9E, 3rd PM



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.P. ROUTE 820 (IL 130)
 SECTION (37,37-1,2&3)RS-1
 DOUGLAS COUNTY

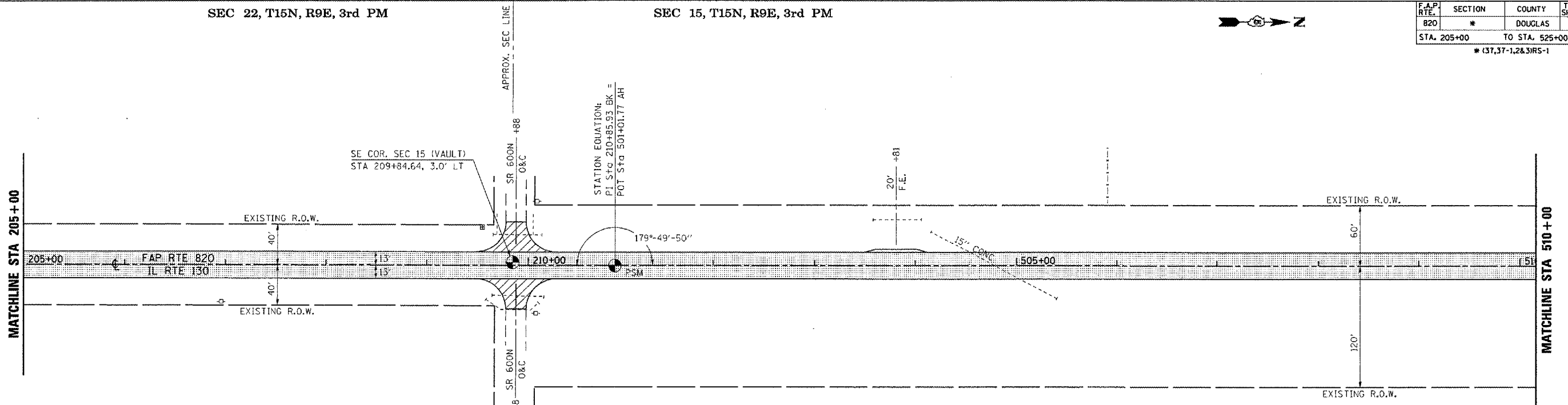
SCALE: 1" = 50'
 DATE: 12/28/06

DRAWN BY: JRP
 CHECKED BY:

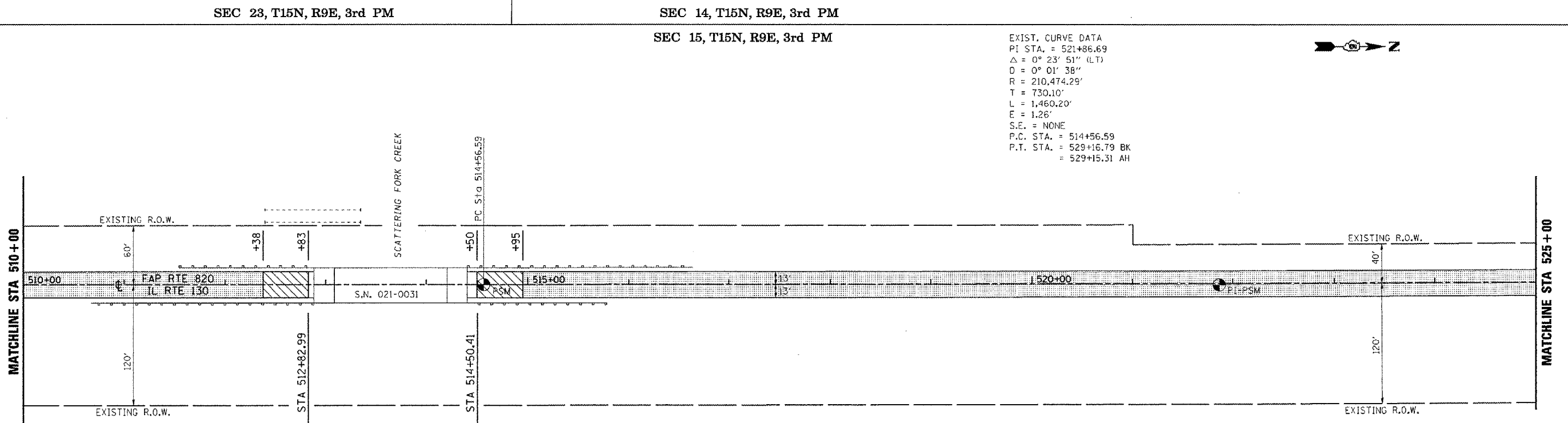
STA 175+00 TO STA 205+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	37
STA. 205+00 TO STA. 525+00				

* (37,37-1,2&3)RS-1

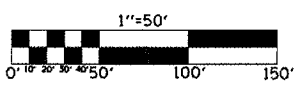


	HMA SURFACE REMOVAL BUTT JOINT (SIDEROAD)
	HMA SURFACE REMOVAL, 3/4"



EXIST. CURVE DATA
 PI STA. = 521+86.69
 Δ = 0° 23' 51'' (LT)
 D = 0° 01' 38''
 R = 210,474.29'
 T = 730.10'
 L = 1,460.20'
 E = 1.26'
 S.E. = NONE
 P.C. STA. = 514+56.59
 P.T. STA. = 529+16.79 BK
 = 529+15.31 AH

	HMA SURFACE REMOVAL BUTT JOINT (MAINLINE)
	HMA SURFACE REMOVAL, 3/4"



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.P. ROUTE 820 (IL 130)
SECTION (37,37-1,2&3)RS-1
DOUGLAS COUNTY
 SCALE: 1" = 50'
 DATE: 12/28/06
 DRAWN BY: JRP
 CHECKED BY:

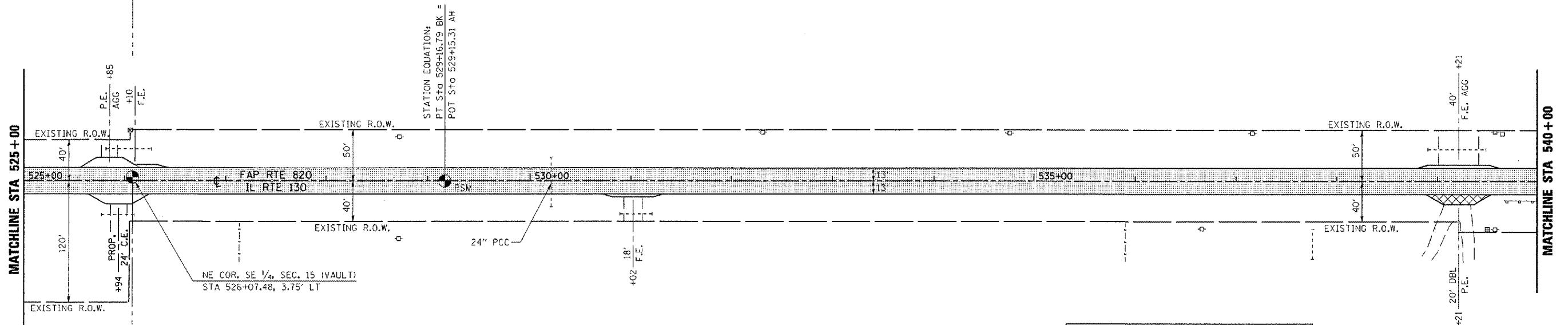
SEC 14, T15N, R9E, 3rd PM

STA 205+00 TO STA 525+00

PLOT DATE : 3/26/2007
 FILE NAME : c:\projects\ad507002\4\8\17002-reference.dgn
 PLOT SCALE : 1/8"=1'-0"
 USER NAME : philipja

SEC 15, T15N, R9E, 3rd PM

CONTRACT NO. 70276			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
820	*	DOUGLAS	57
STA. 525+00		TO STA. 555+00	
* (37,37-1,2&3)RS-1			



	HMA SURFACE REMOVAL BUTT JOINT (PRIVATE ENTR.)
	HMA SURFACE REMOVAL, 3/4"

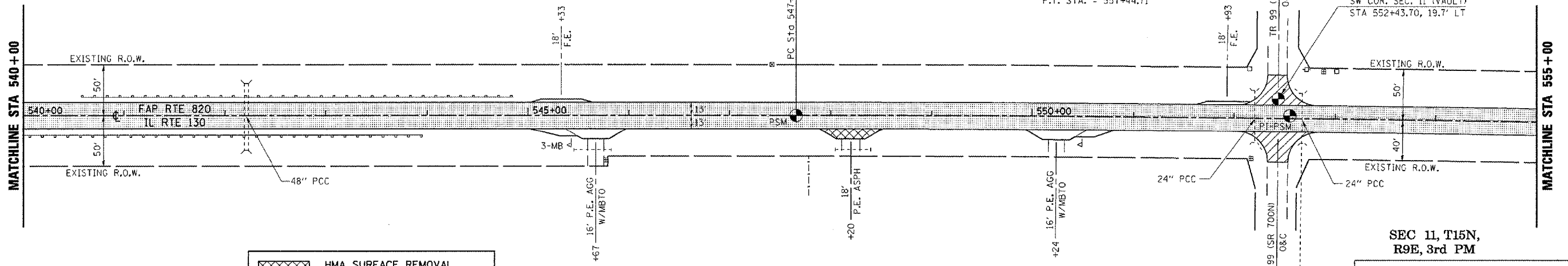
SEC 14, T15N, R9E, 3rd PM



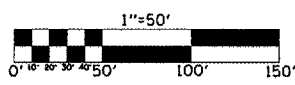
SEC 15, T15N, R9E, 3rd PM

SEC 10, T15N, R9E, 3rd PM

EXIST. CURVE DATA
 P1 STA. = 552+55.28
 $\Delta = 1^\circ 17' 20''$ (RT)
 $D = 0^\circ 07' 54''$
 $R = 43,515.78'$
 $T = 489.47'$
 $L = 978.90'$
 $E = 2.75'$
 $S.E. = \text{NONE}$
 $P.C. STA. = 547+65.81$
 $P.T. STA. = 557+44.71$



	HMA SURFACE REMOVAL BUTT JOINT (PRIVATE ENTR.)
	HMA SURFACE REMOVAL BUTT JOINT (SIDEROAD)
	HMA SURFACE REMOVAL, 3/4"



SEC 14, T15N, R9E, 3rd PM

SEC 11, T15N, R9E, 3rd PM

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN VIEW

F.A.P. ROUTE 820 (IL 130)

SECTION (37,37-1,2&3)RS-1

DOUGLAS COUNTY

SCALE: 1" = 50'

DATE: 12/28/06

DRAWN BY: JRP

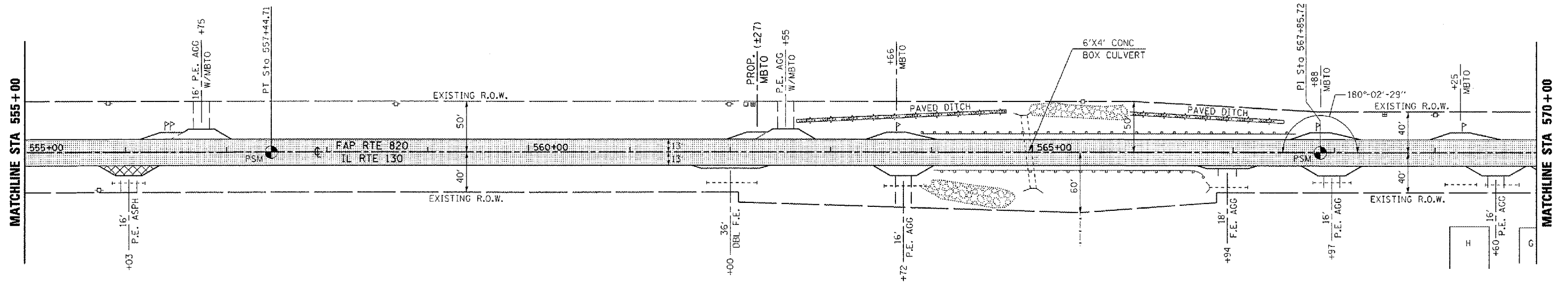
CHECKED BY:

STA 525+00 TO STA 555+00

PLOT DATE: 3/26/2007
 FILE NAME: c:\projects\4597882 (68)\7882-reference.dgn
 PLOT SCALE: 1/8"=50'
 USER NAME: philippsjr

SEC 10, T15N, R9E, 3rd PM

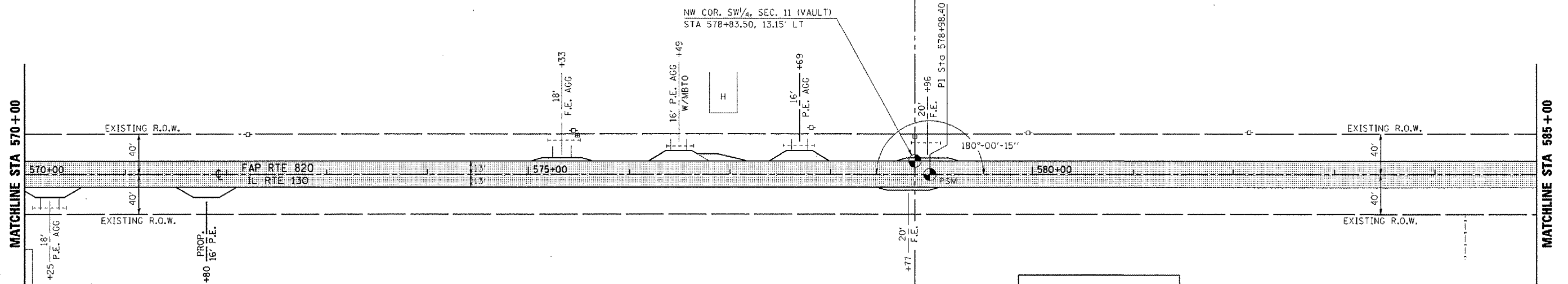
CONTRACT NO. 70276			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
820	*	DOUGLAS	57
STA. 555+00		TO STA. 585+00	
* (37,37-1,2&3)RS-1			



	HMA SURFACE REMOVAL BUTT JOINT (PRIVATE ENTR.)
	HMA SURFACE REMOVAL, 3/4"

SEC 11, T15N, R9E, 3rd PM

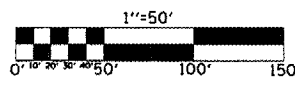
SEC 10, T15N, R9E, 3rd PM



	HMA SURFACE REMOVAL, 3/4"
--	---------------------------

SEC 11, T15N, R9E, 3rd PM

PLOT DATE: 3/26/2007
 FILE NAME: c:\projects\11597082 (v.8)\70276\encl.dgn
 PLOT SCALE: 1/8"=50'
 USER NAME: philips,r



ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN VIEW

F.A.P. ROUTE 820 (IL 130)
SECTION (37,37-1,2&3)RS-1
DOUGLAS COUNTY

SCALE: 1" = 50'
 DATE: 12/28/06

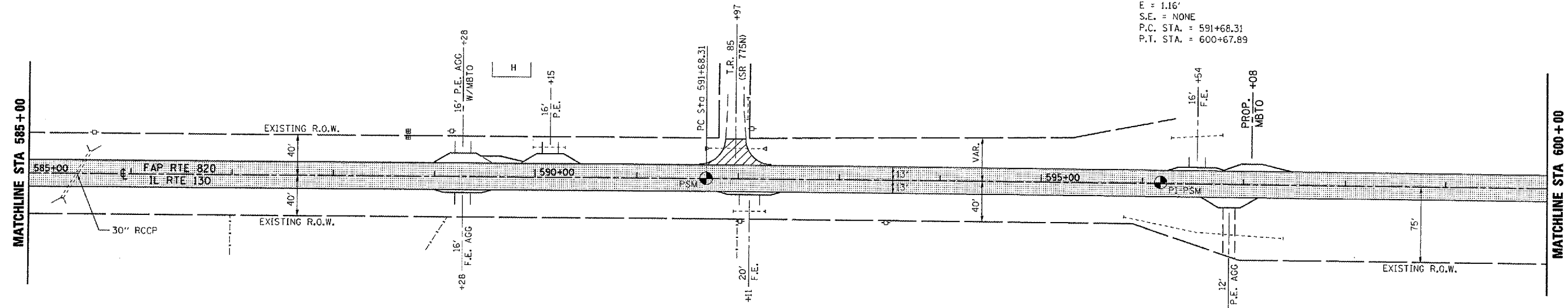
DRAWN BY: JRP
 CHECKED BY:

STA 555+00 TO STA 585+00

SEC 10, T15N, R9E, 3rd PM

EXIST. CURVE DATA
 PI STA. = 596+18.10
 $\Delta = 0^\circ 35' 32''$ (RT)
 $D = 0^\circ 03' 57''$
 $R = 87,031.56'$
 $T = 449.79'$
 $L = 899.58'$
 $E = 1.16'$
 S.E. = NONE
 P.C. STA. = 591+68.31
 P.T. STA. = 600+67.89

CONTRACT NO. 70276			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
820	*	DOUGLAS	57 40
STA. 585+00		TO STA. 615+00	
* 137,37-1,2&3RS-1			

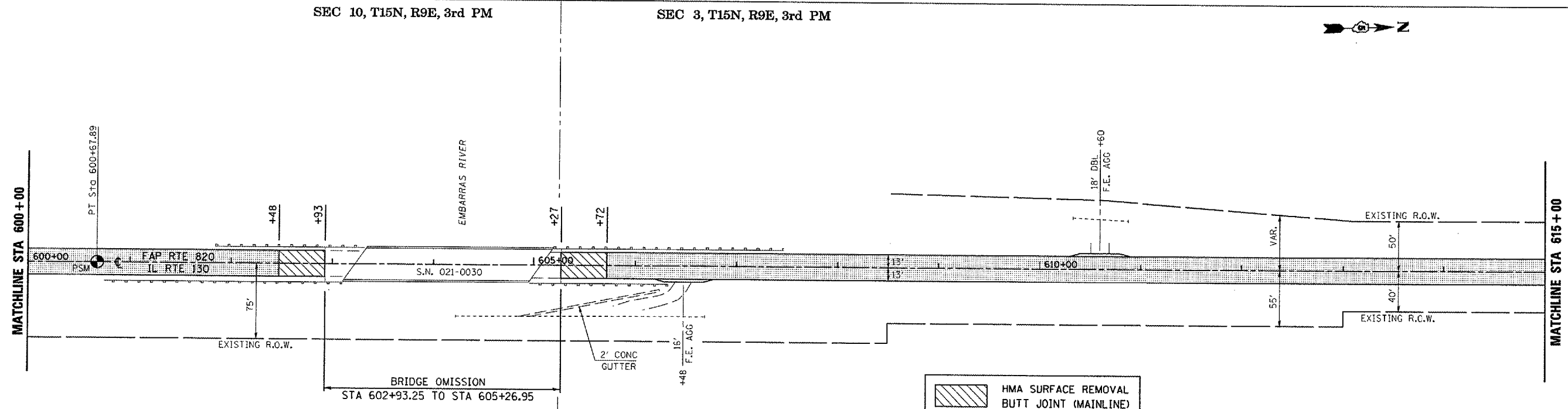


	HMA SURFACE REMOVAL BUTT JOINT (SIDEROAD)
	HMA SURFACE REMOVAL, 3/4"

SEC 11, T15N, R9E, 3rd PM

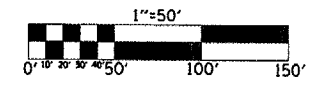
SEC 10, T15N, R9E, 3rd PM

SEC 3, T15N, R9E, 3rd PM



	HMA SURFACE REMOVAL BUTT JOINT (MAINLINE)
	HMA SURFACE REMOVAL, 3/4"

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\10597882\10597882.dgn
 PLOT SCALE = 1/8" = 50' IN.
 USER NAME = philip.p.jr



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
 F.A.P. ROUTE 820 (IL 130)
 SECTION (37,37-1,2&3)RS-1
 DOUGLAS COUNTY
 SCALE: 1" = 50'
 DATE: 12/28/06
 DRAWN BY: JRP
 CHECKED BY:

SEC 11, T15N, R9E, 3rd PM

SEC 2, T15N, R9E, 3rd PM

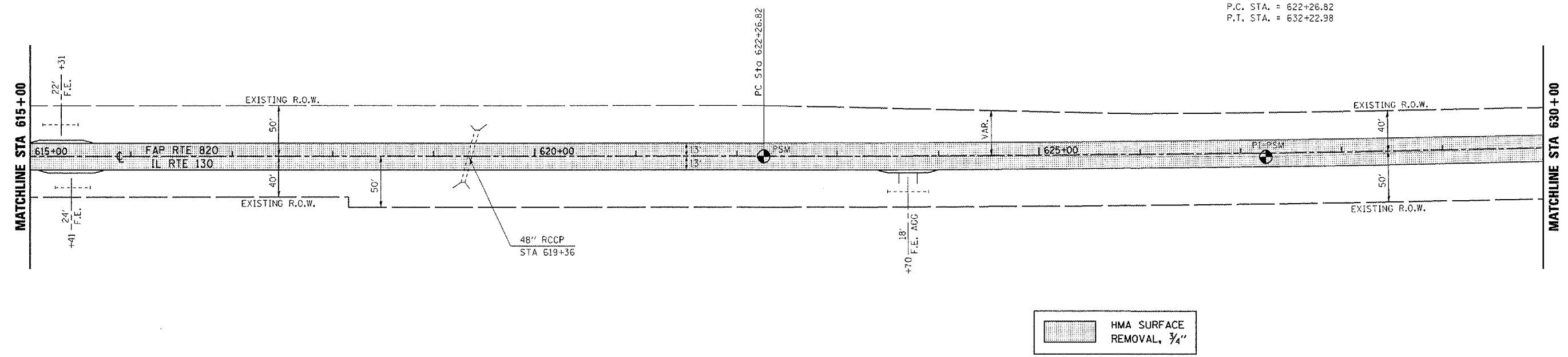
STA 585+00 TO STA 615+00

SEC 3, T15N, R9E, 3rd PM



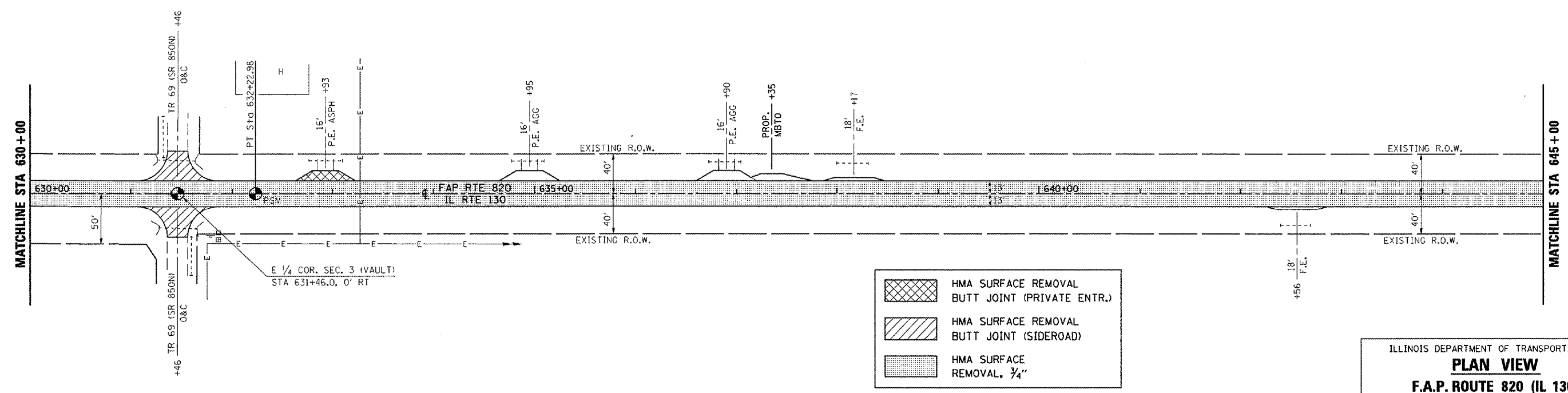
EXIST. CURVE DATA
 PI STA. = 627+24.93
 Δ = 1° 39' 17" (LT)
 D = 0° 09' 58"
 R = 34,492.44'
 T = 498.11'
 L = 996.16'
 E = 3.60'
 S.E. = NONE
 P.C. STA. = 622+26.82
 P.T. STA. = 632+22.98

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	41
STA. 615+00 TO STA. 645+00			* (37,37-1,2&3)RS-1	

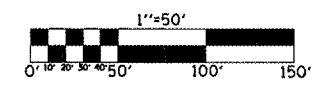


SEC 2, T15N, R9E, 3rd PM

SEC 3, T15N, R9E, 3rd PM



	HMA SURFACE REMOVAL BUTT JOINT (PRIVATE ENTR.)
	HMA SURFACE REMOVAL BUTT JOINT (SIDEROAD)
	HMA SURFACE REMOVAL, 3/4"



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.P. ROUTE 820 (IL 130)
SECTION (37,37-1,2&3)RS-1
DOUGLAS COUNTY
 SCALE: 1" = 50'
 DATE: 12/28/06
 DRAWN BY: JRP
 CHECKED BY:

SEC 2, T15N, R9E, 3rd PM

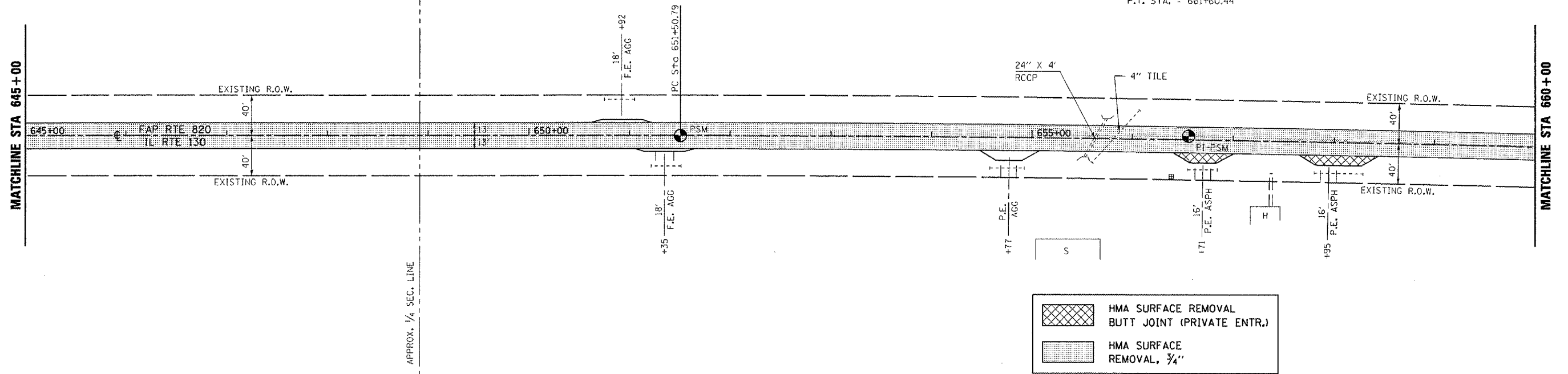
STA 615+00 TO STA 645+00

PLOT DATE : 3/26/2007
 FILE NAME : c:\projects\11817002-eference.dgn
 PLOT SCALE : 1/8"=50' / 1/4"=100'
 USER NAME : phillips,jr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	42
STA. 645+00		TO STA. 675+00		
* 137,37-1,2&3RS-1				

SEC 3, T15N, R9E, 3rd PM

EXIST. CURVE DATA
 PI STA. = 656+55.65
 $\Delta = 1^\circ 44' 40''$ (RT)
 $D = 0^\circ 10' 22''$
 $R = 33,161.55'$
 $T = 504.86'$
 $L = 1,009.65'$
 $E = 3.84'$
 $S.E. = \text{NONE}$
 $P.C. STA. = 651+50.79$
 $P.T. STA. = 661+60.44$

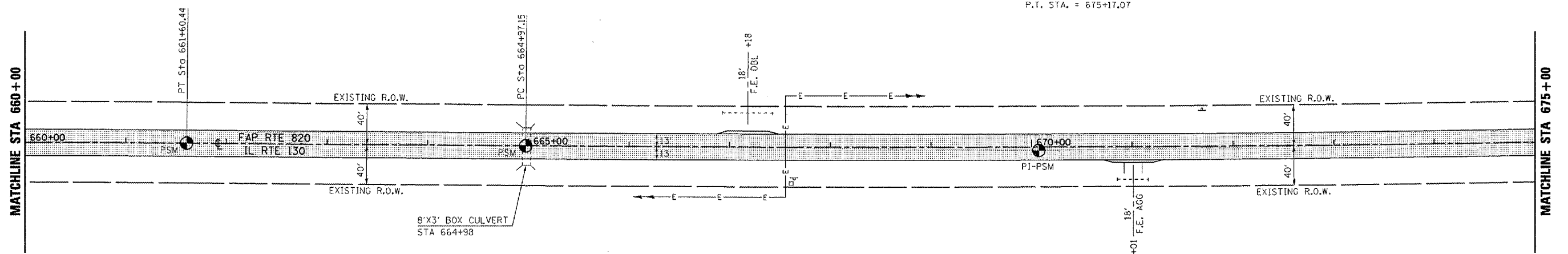


	HMA SURFACE REMOVAL BUTT JOINT (PRIVATE ENTR.)
	HMA SURFACE REMOVAL, 3/4\"

SEC 2, T15N, R9E, 3rd PM

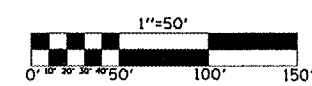
SEC 3, T15N, R9E, 3rd PM

EXIST. CURVE DATA
 PI STA. = 670+07.14
 $\Delta = 1^\circ 27' 53''$ (LT)
 $D = 0^\circ 08' 37''$
 $R = 39,896.48'$
 $T = 509.99'$
 $L = 1,019.92'$
 $E = 3.26'$
 $S.E. = \text{NONE}$
 $P.C. STA. = 664+97.15$
 $P.T. STA. = 675+17.07$



	HMA SURFACE REMOVAL, 3/4\"
--	----------------------------

SEC 2, T15N, R9E, 3rd PM



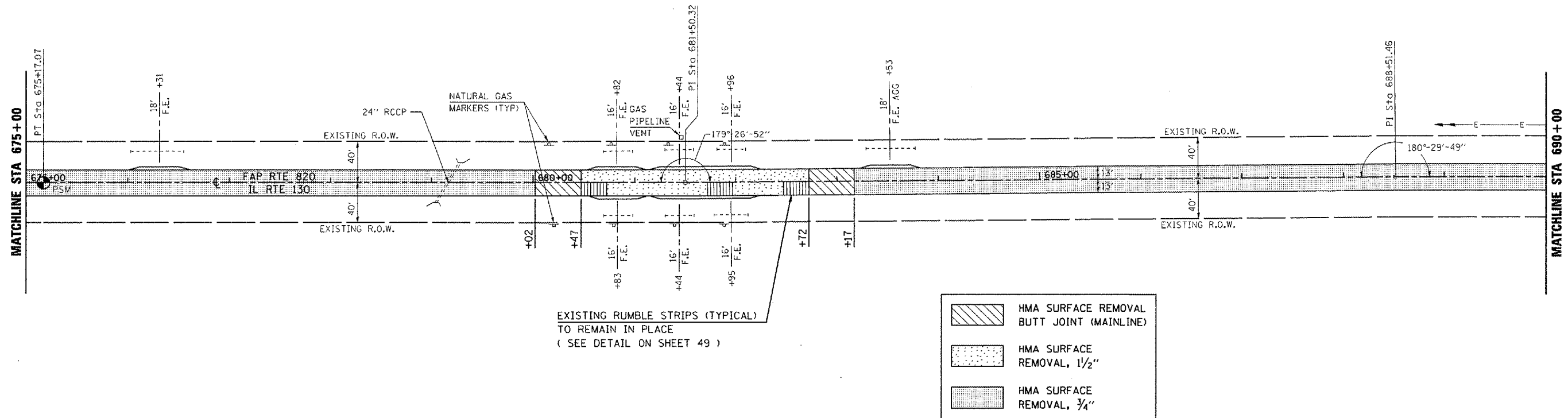
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.P. ROUTE 820 (IL 130)
SECTION (37,37-1,2&3)RS-1
DOUGLAS COUNTY
 SCALE: 1" = 50'
 DATE: 12/28/06
 DRAWN BY: JRP
 CHECKED BY:

STA 645+00 TO STA 675+00

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\0507002\081\7002-reference.dgn
 PLOT SCALE = 105,8824 "/>

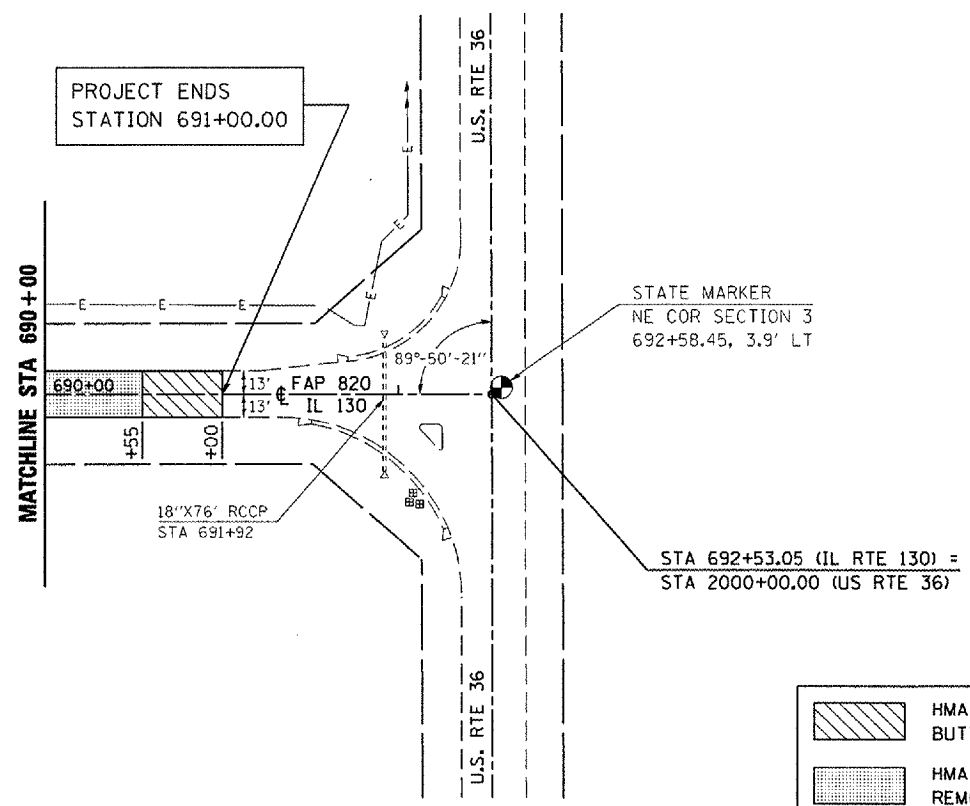
SEC 3, T15N, R9E, 3rd PM

CONTRACT NO. 70276				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	43
STA. 675+00		TO STA. 692+53.05		
* (37,37-1,2&3)RS-1				

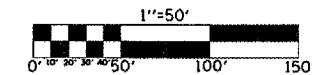
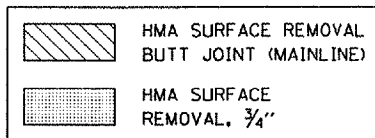


SEC 2, T15N, R9E, 3rd PM

SEC 3, T15N, R9E, 3rd PM



SEC 2, T15N, R9E, 3rd PM



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN VIEW
F.A.P. ROUTE 820 (IL 130)
SECTION (37,37-1,2&3)RS-1
DOUGLAS COUNTY
 SCALE: 1" = 50'
 DATE: 12/28/06
 DRAWN BY: JRP
 CHECKED BY:

STA 675+00 TO STA 692+53.05

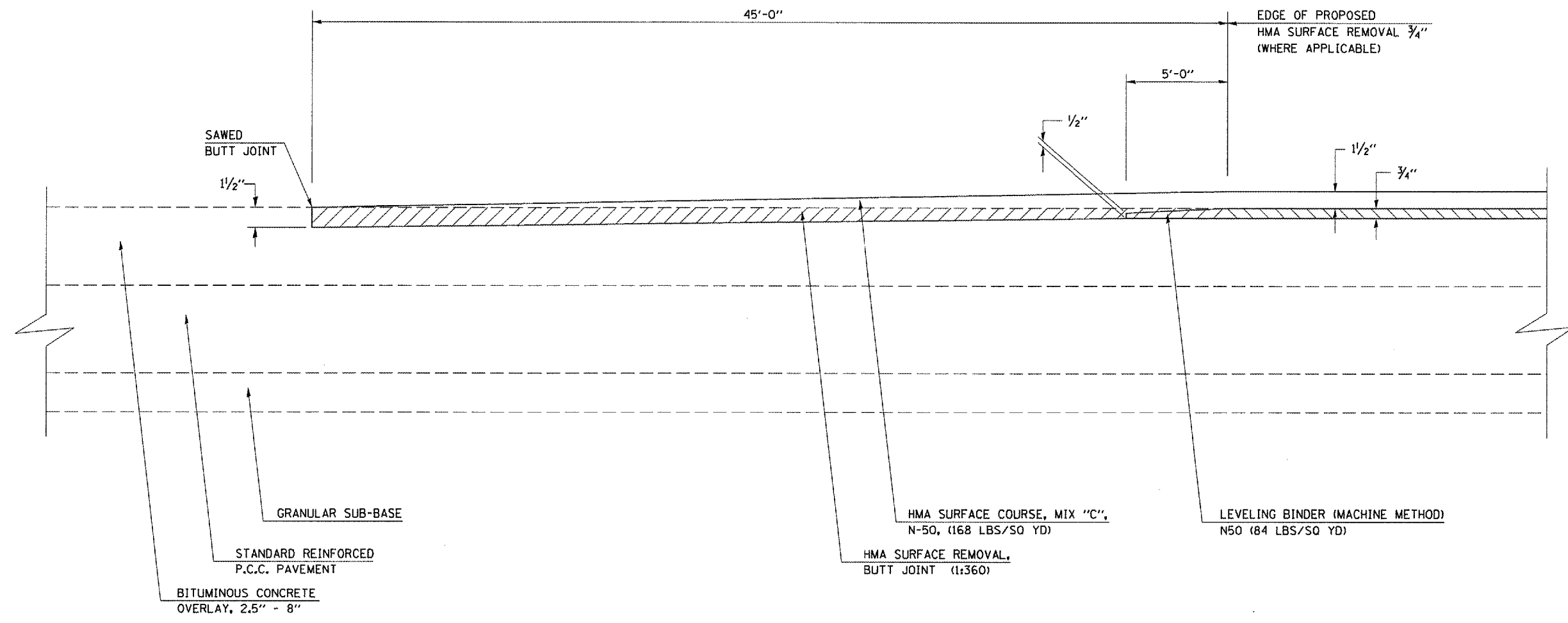
PLOT DATE = 3/26/2007
 FILE NAME = c:\p\projects\4587002\1081\7002-reference.dgn
 PLOT SCALE = 105.8824 / IN.
 USER NAME = philipaj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	44

*(37,37-1,2&3)RS-1

TYPICAL DETAIL OF MAINLINE HMA SURFACE REMOVAL - BUTT JOINT

IL 130 AND IL 133 - MAINLINE

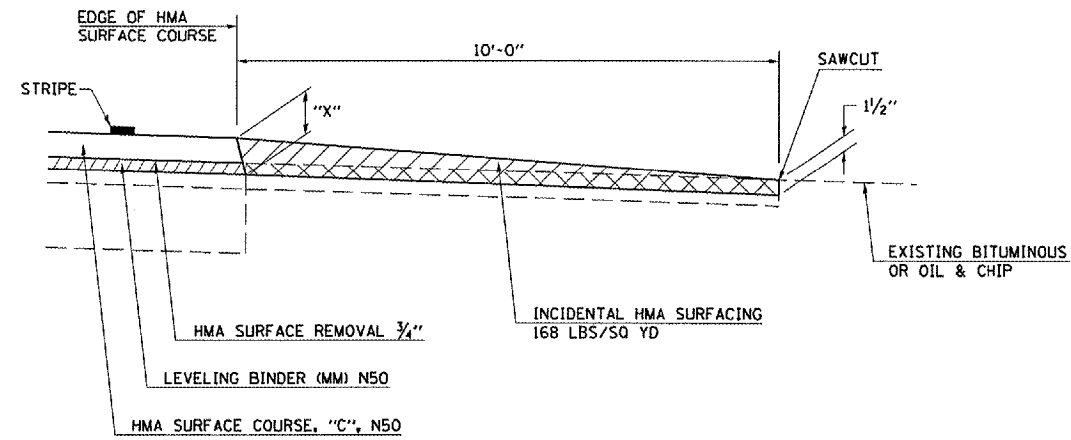


PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\4507002 (48)\7002detail.dgn
 PLOT SCALE = 42.3529' / IN.
 USER NAME = philipsjr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	45

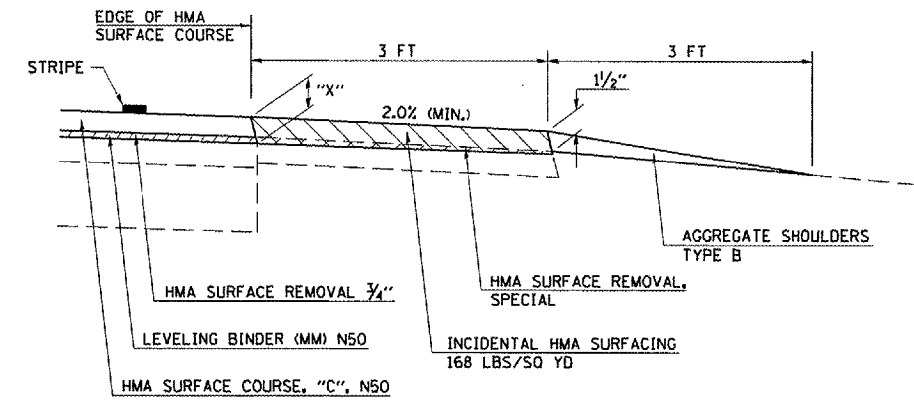
*(37,37-1,2&3)RS-1

PRIVATE ENTRANCE AND COMMERCIAL ENTRANCE HMA SURFACE REMOVAL-BUTT JOINT
(HMA OR OIL & CHIP)



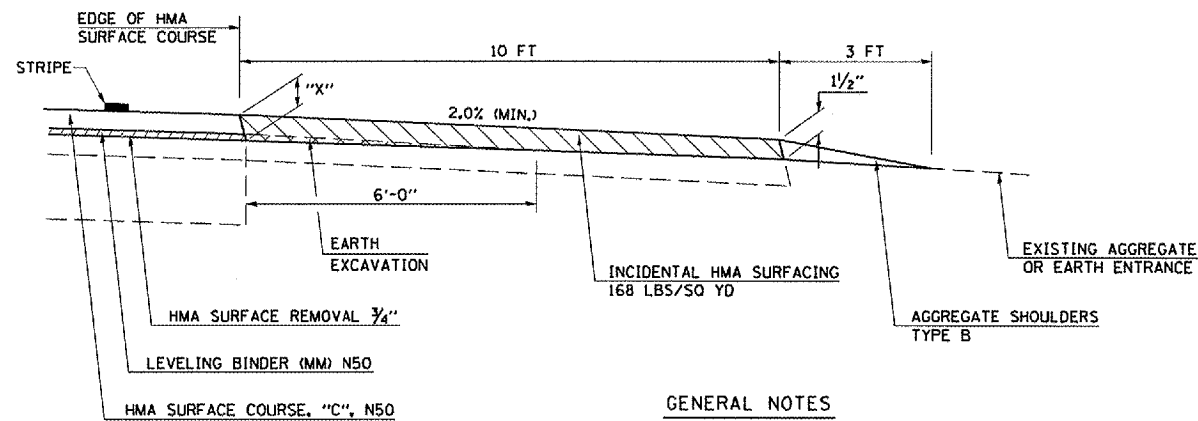
NOTES: THE INCIDENTAL HMA SURFACING IS INTENDED TO RESURFACE THE EXISTING ENTRANCES IN THEIR ENTIRETY.
"X" = PROPOSED RESURFACING THICKNESS

FIELD ENTRANCE
(HMA OR OIL & CHIP)



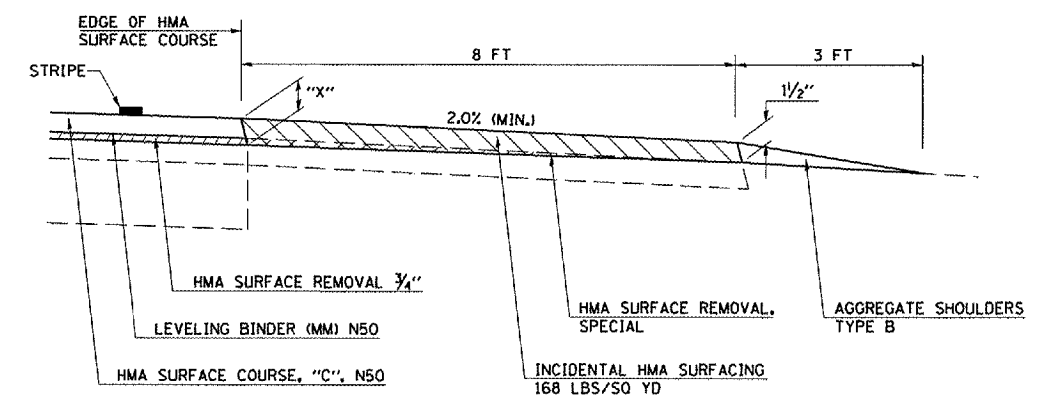
NOTES: THE INCIDENTAL HMA SURFACING IS INTENDED TO RESURFACE THE EXISTING ENTRANCES IN THEIR ENTIRETY.
"X" = PROPOSED RESURFACING THICKNESS

PRIVATE AND COMMERCIAL ENTRANCE
(AGGREGATE OR EARTH)



- GENERAL NOTES**
1. EARTH EXCAVATION WILL NOT BE MEASURED FOR PAYMENT. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
 2. THE INCIDENTAL HMA SURFACING IS INTENDED TO RESURFACE THE EXISTING ENTRANCES IN THEIR ENTIRETY.
 3. ANY NECESSARY WORK BEHIND THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
 4. "X" = PROPOSED RESURFACING THICKNESS

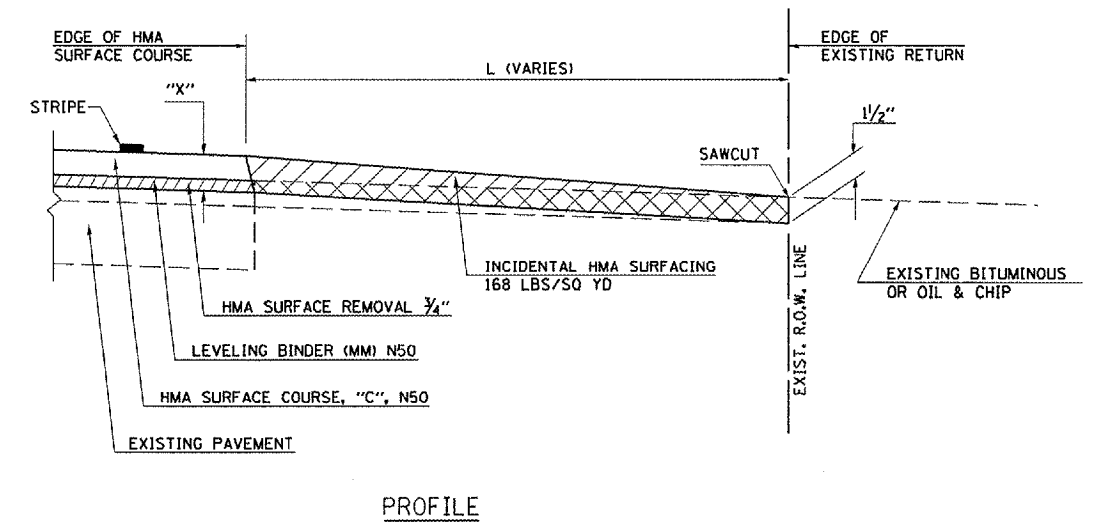
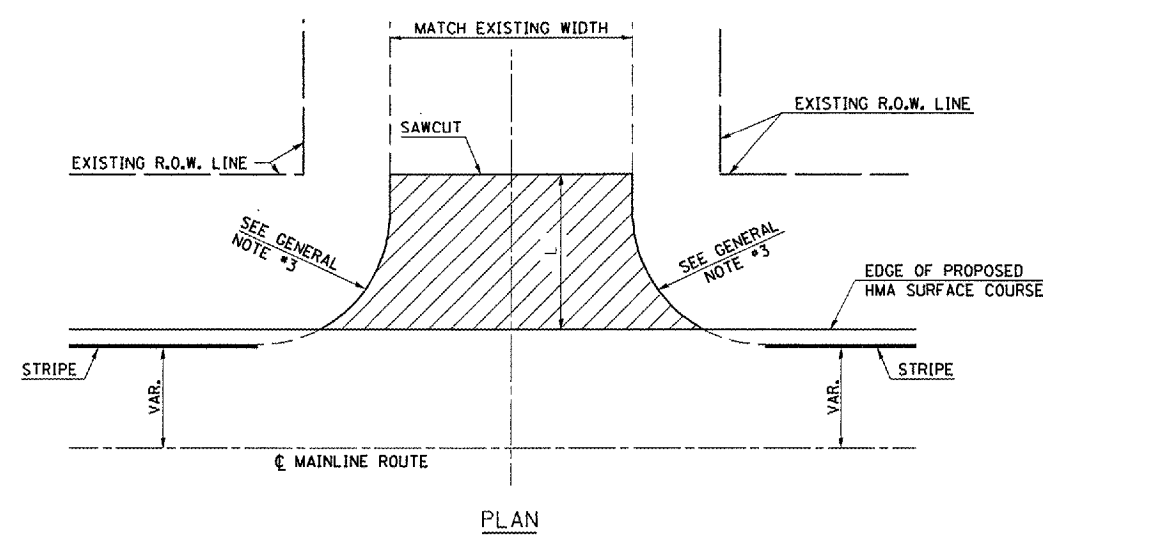
MAILBOX TURNOUTS
(HMA OR OIL & CHIP)



NOTES: THE INCIDENTAL HMA SURFACING IS INTENDED TO RESURFACE THE EXISTING MAILBOX TURNOUTS IN THEIR ENTIRETY.
"X" = PROPOSED RESURFACING THICKNESS

PLOT DATE = 3/26/2007
FILE NAME = c:\projects\4507002 (v8)\7002details.dgn
PLOT SCALE = 42.3529' / IN.
USER NAME = phillipsjr

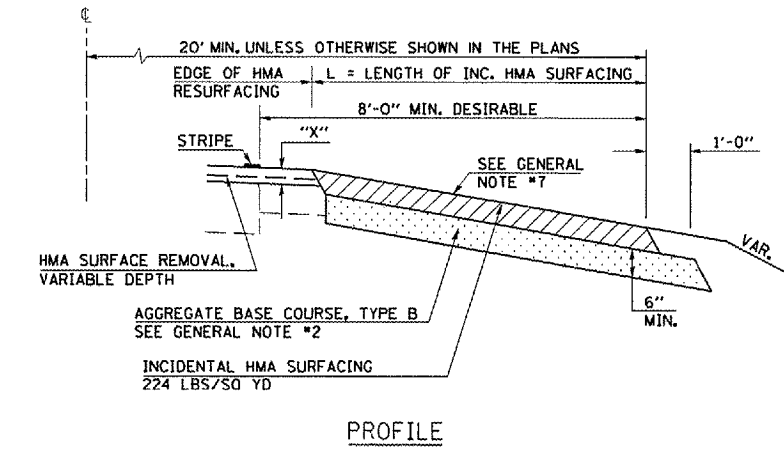
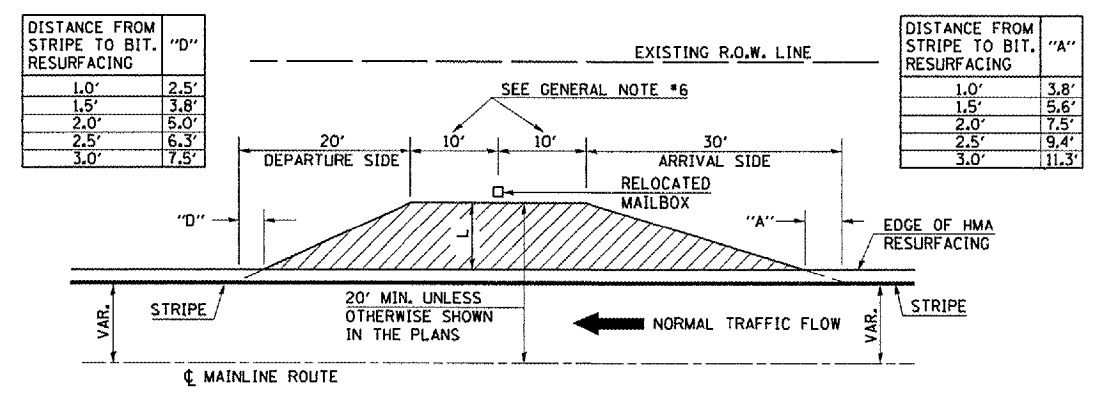
DETAIL OF SIDEROAD RETURN HMA SURFACE REMOVAL-BUTT JOINT
 (RURAL SECTION WITH HMA OR OIL & CHIP)



GENERAL NOTES

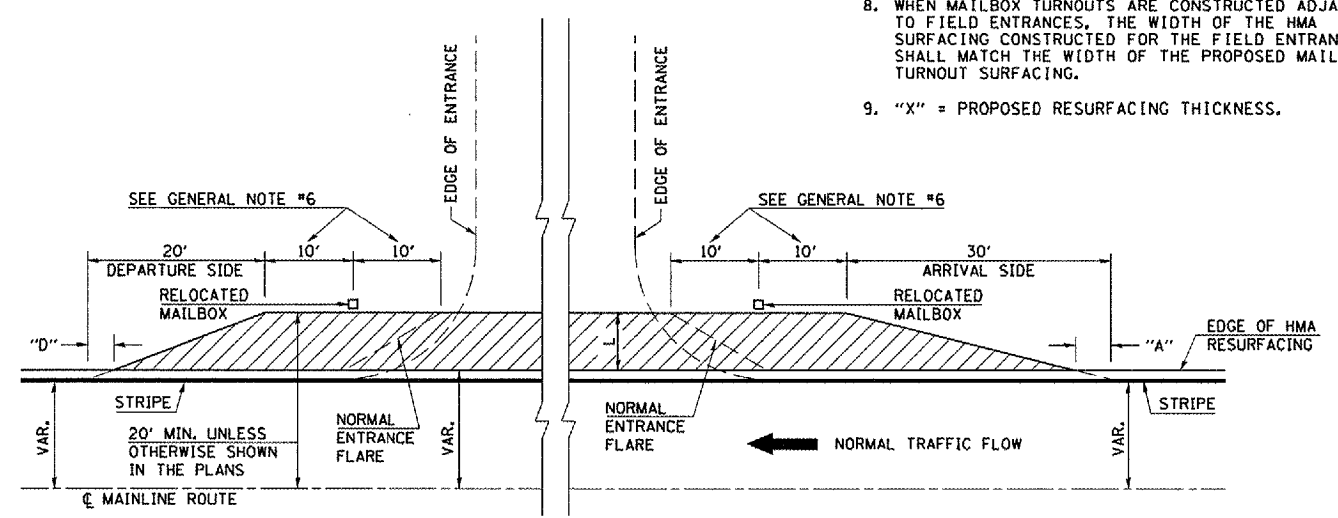
1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. THE INCIDENTAL HMA SURFACING IS INTENDED TO RESURFACE THE EXISTING SIDEROAD FROM THE EDGE OF PROPOSED HMA SURFACE COURSE TO THE EDGE OF EXISTING SIDEROAD RETURN AT THE R.O.W. LINE.
3. THE INCIDENTAL HMA SURFACING SHALL MATCH THE EXISTING RADIUS.
4. "X" = PROPOSED RESURFACING THICKNESS.

TYPICAL DETAIL OF RURAL MAILBOX TURNOUTS



GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED MAILBOX TURNOUTS. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ALL EXISTING MAILBOX TURNOUTS OR TO CONSTRUCT NEW MAILBOX TURNOUTS WHERE NONE NOW EXISTS.
3. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
4. ANY NECESSARY WORK BEHIND THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
5. THE TEMPORARY RELOCATION OF EXISTING MAILBOXES SHALL BE IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.
6. WHEN MORE THAN ONE RELOCATED MAILBOX IS INCLUDED IN A PARTICULAR LOCATION THE TWO 10' DIMENSIONS AS SHOWN ABOVE SHALL BE FROM THE END MAILBOX.
7. CROSS SLOPE SHALL BE AS SHOWN ON THE STATION CROSS SECTIONS AND/OR AS DIRECTED BY THE ENGINEER. MINIMUM 4% (1/2"/') DESIRABLE; MAXIMUM 8% (1"/')
8. WHEN MAILBOX TURNOUTS ARE CONSTRUCTED ADJACENT TO FIELD ENTRANCES, THE WIDTH OF THE HMA SURFACING CONSTRUCTED FOR THE FIELD ENTRANCE SHALL MATCH THE WIDTH OF THE PROPOSED MAILBOX TURNOUT SURFACING.
9. "X" = PROPOSED RESURFACING THICKNESS.



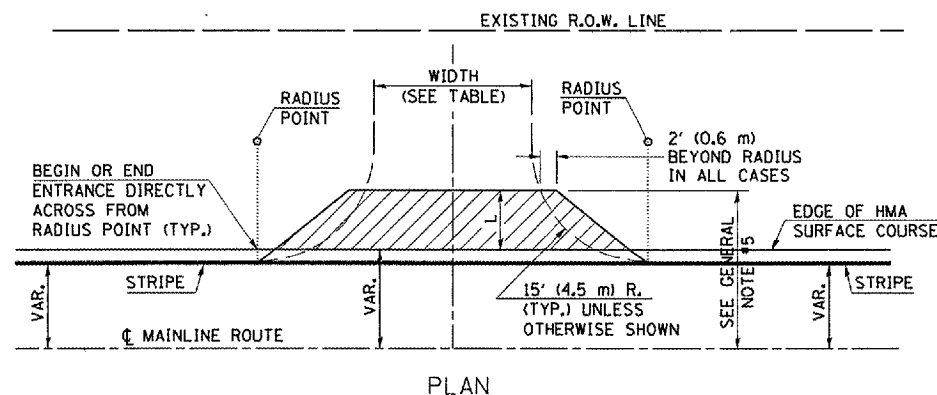
TYPICAL MAILBOX TURNOUT PLACEMENT ADJACENT TO ENTRANCE

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\0507002 (v8)\7002detail.s.dgn
 PLOT SCALE = 42.3523' / IN.
 USER NAME = philipsjr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	47

* (37,37-1,2&3)RS-1

TYPICAL DETAIL OF RURAL PRIVATE AND COMMERCIAL ENTRANCES



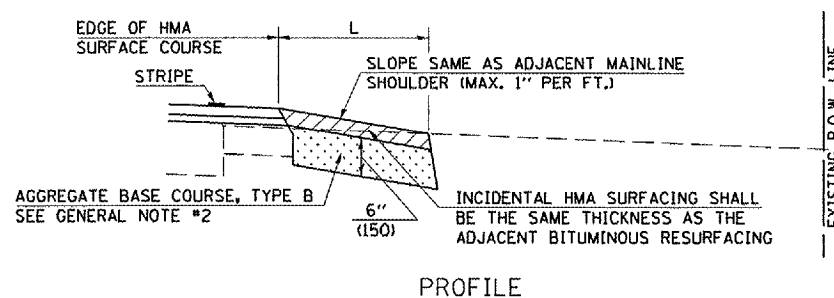
ALLOWABLE ENTRANCE WIDTHS

	PRIVATE	COMMERCIAL
MIN.	12' (3.6 m)	24' (7.3 m)
MAX.	24' (7.3 m)	35' (10.7 m)

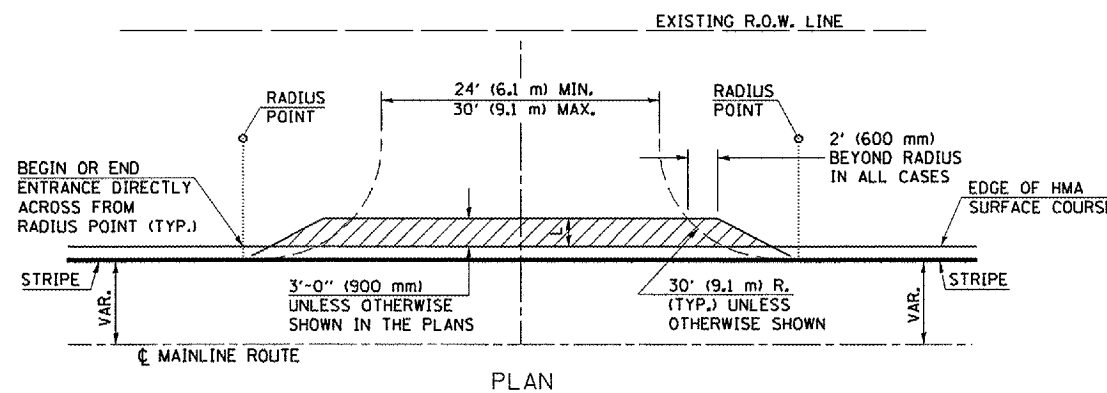
THE ALLOWABLE ENTRANCE WIDTHS SHALL BE INTERPRETED TO BE THE WIDTHS AT THE COMPLETED RADIUS, WHICH MAY BE LOCATED BEHIND THE EXISTING R.O.W. LINE.

GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
3. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' (0.3 m) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
4. ANY NECESSARY WORK BEHIND THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
5. THIS DISTANCE SHALL BE FROM THE CENTERLINE TO THE EXISTING (OR PROPOSED) P.I. OF SHOULDER UNLESS OTHERWISE SHOWN IN THE PLANS.

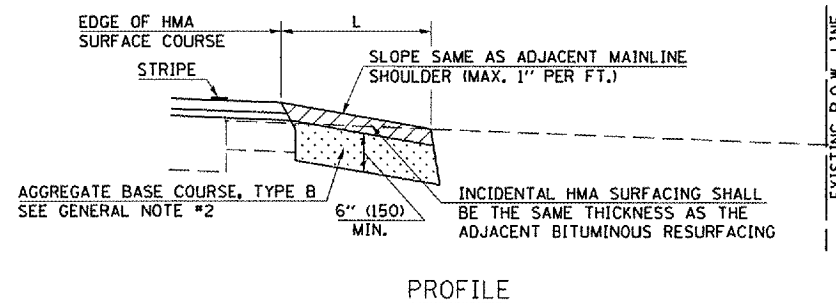


TYPICAL DETAIL OF RURAL FIELD ENTRANCES



GENERAL NOTES

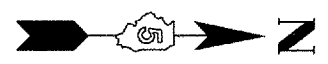
1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
3. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' (0.3 m) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
4. ANY NECESSARY WORK BEHIND THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.



CONTRACT NO. 70276				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	48
* (37,37-1,2&3)RS-1				

DETAIL OF HMA SURFACE REMOVAL 4" AND HMA BINDER COURSE INLAY

IL 130
STATION 212+00 TO STATION 215+67.24



PROPOSED SEQUENCE OF WORK AT INTERSECTION

PATCHING

HMA SURFACE REMOVAL 4" STA 212+00 TO STA 215+67.24 **

PLACEMENT OF HMA BINDER COURSE, (INLAY) IL 19.0, N50 AT 3/4" NOMINAL THICKNESS

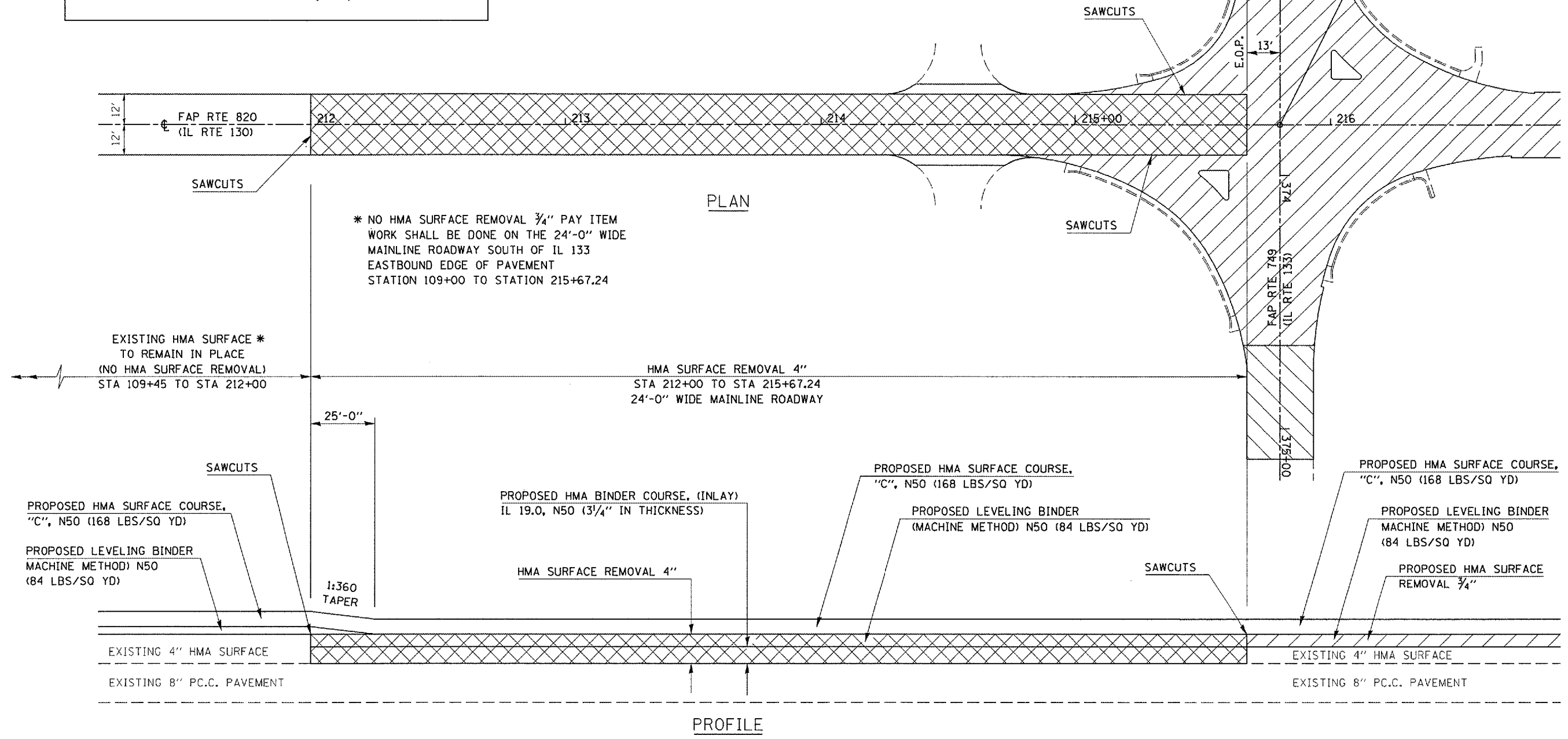
HMA SURFACE REMOVAL 3/4" OF ROADWAY AND RADII

PLACEMENT OF LEVELING BINDER (MACHINE METHOD) N50

PLACEMENT OF HMA SURFACE COURSE, "C", N50

** TRAFFIC SHALL BE PERMITTED TO USE THE ROAD AT ALL TIMES AND CONSTRUCTION OPERATIONS SHALL BE ARRANGED TO FACILITATE THE MOVEMENT OF TRAFFIC. CONSTRUCTION OPERATIONS SHALL BE CONFINED TO ONE TRAFFIC LANE. BOTH HMA SURFACING REMOVAL 4" AND PLACEMENT OF 3/4" HMA BINDER COURSE INLAY SHALL BE COMPLETED PRIOR TO CHANGING LANES TO COMPLETE OPERATIONS IN THE OPPOSITE LANE. THE CONTRACTOR SHALL SCHEDULE THIS WORK TO ENSURE THE ROADWAY IS FULLY OPENED AND ALL WORK COMPLETED BEFORE DARK. IF ROADWAY IS NOT OPENED WHEN REQUIRED, THE CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL AT NO ADDITIONAL COST TO THE DEPARTMENT.

STATION EQUATION:
STA 215+80.18 (IL RTE 130) =
STA 373+80.00 (IL RTE 133)



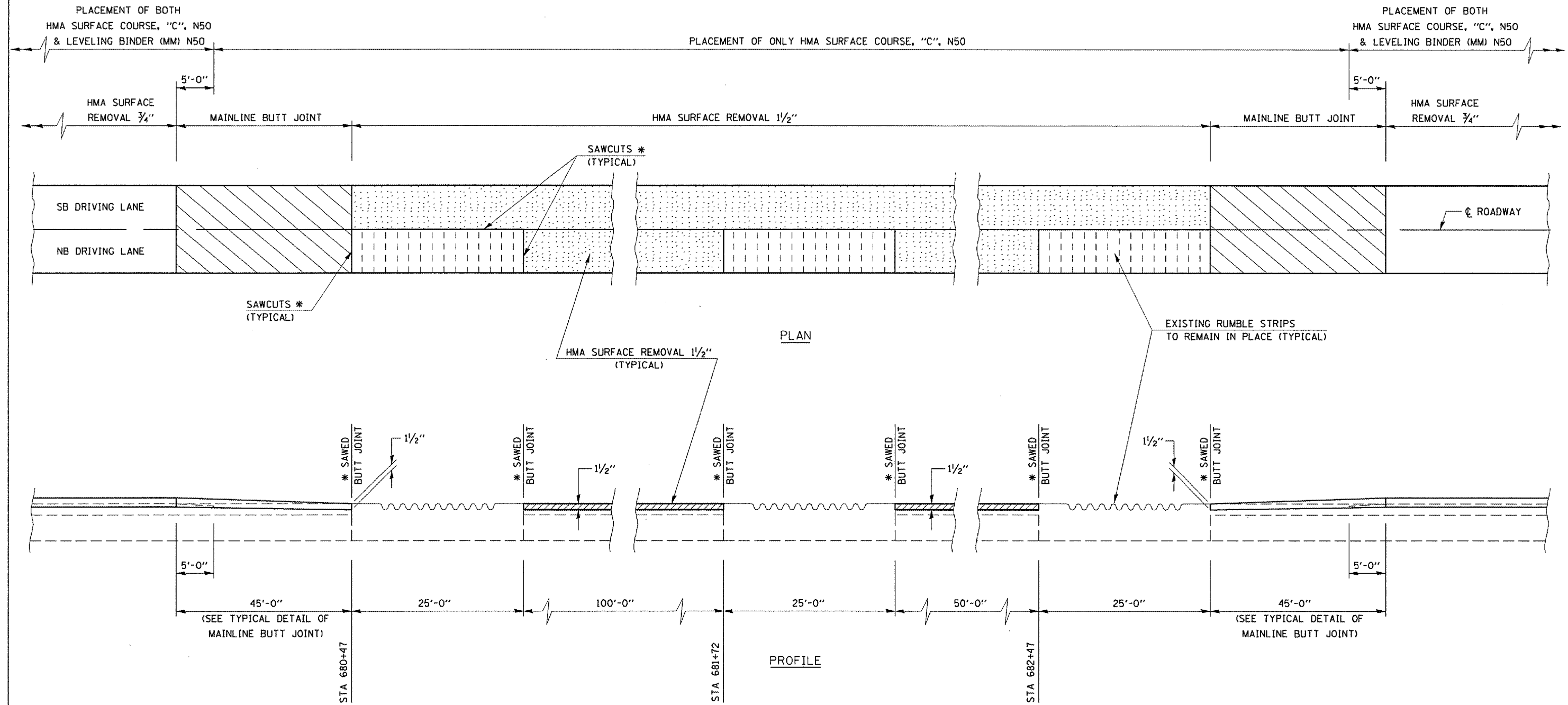
PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\607002 (v8)\7002details.dgn
 PLOT SCALE = 42.3529 / IN.
 USER NAME = philipsr

CONTRACT NO. 70276				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	49

*(37,37-1,2&3)RS-1

DETAIL OF HMA SURFACE REMOVAL, 1 1/2"

EXISTING RUMBLE STRIPS SHALL REMAIN IN PLACE (SEE NOTE)



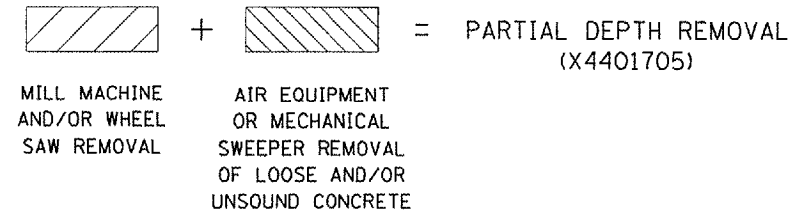
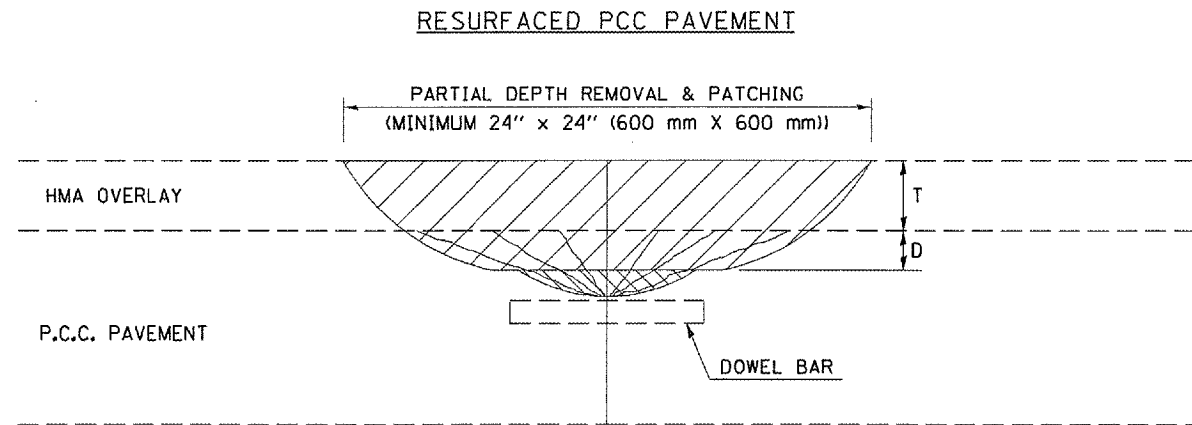
* SAWCUTS AND SAWED BUTT JOINTS ADJACENT TO THE RUMBLE STRIPS SHALL NOT BE MEASURED FOR PAYMENT AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE YARD FOR HMA SURFACE REMOVAL 1 1/2".

NOTE:
 EXISTING RUMBLE STRIPS SHALL REMAIN IN PLACE. THE CONTRACTOR SHALL INSURE EXISTING RUMBLE STRIPS ARE NOT DAMAGED DURING CONSTRUCTION. ANY DAMAGE DURING CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE TO THE SATISFACTION OF THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\4507002 (v8)\7002details.dgn
 PLOT SCALE = 42.3529' / IN.
 USER NAME = philipsjr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	50

*(37,37-1,2&3)RS-1



DESIGN NOTES

PARTIAL DEPTH HMA PATCHING SHALL NOT BE USED WHEN HMA OVERLAY THICKNESS (T) ON PCC PAVEMENT EXCEEDS 4 3/4 INCHES (145 mm) OR ON CRC PAVEMENT.

USE WITH RECURRING SPECIAL PROVISION CHECK SHEET #15.

GENERAL NOTES

ALL VOLUME OF PARTIAL DEPTH REMOVAL SHALL BE REPLACED WITH HOT-MIX ASPHALT (HMA) AND PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR PARTIAL DEPTH PATCHING.

T = THICKNESS OF HMA OVERLAY(S). SEE EXISTING TYPICAL CROSS SECTION.

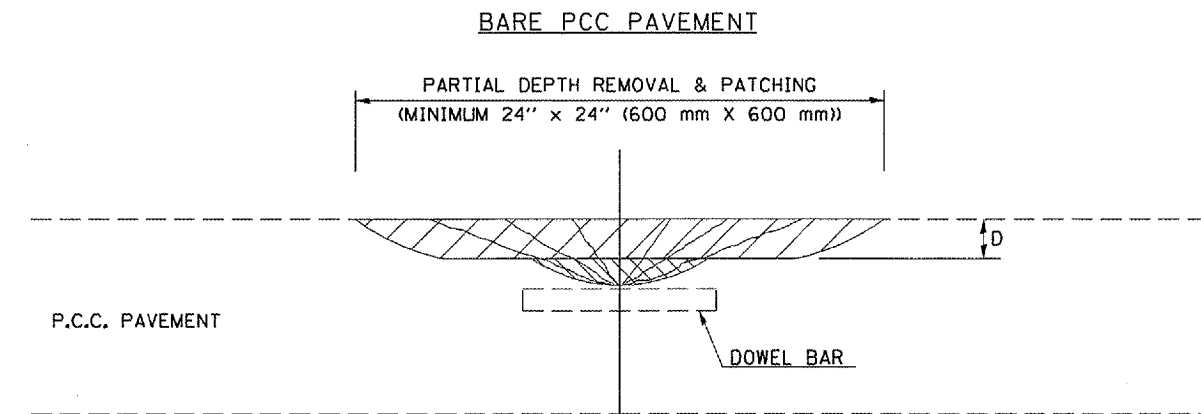
GENERAL NOTE 406H SHALL INCLUDE MIXTURE REQUIREMENTS FOR PARTIAL DEPTH PATCHING.

HMA REPLACEMENT IN RESURFACED PCC PAVEMENT LOCATIONS SHALL BE ACCORDING TO SECTION 406 OF THE STANDARD SPECIFICATIONS.

D = DEPTH OF PARTIAL DEPTH REMOVAL INTO EXISTING PCC PAVEMENT. (3" (75 mm) ± OR TO SOUND CONCRETE)

TRANSVERSE CONTRACTION JOINT SHOWN - OTHER LOCATIONS SIMILAR.

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



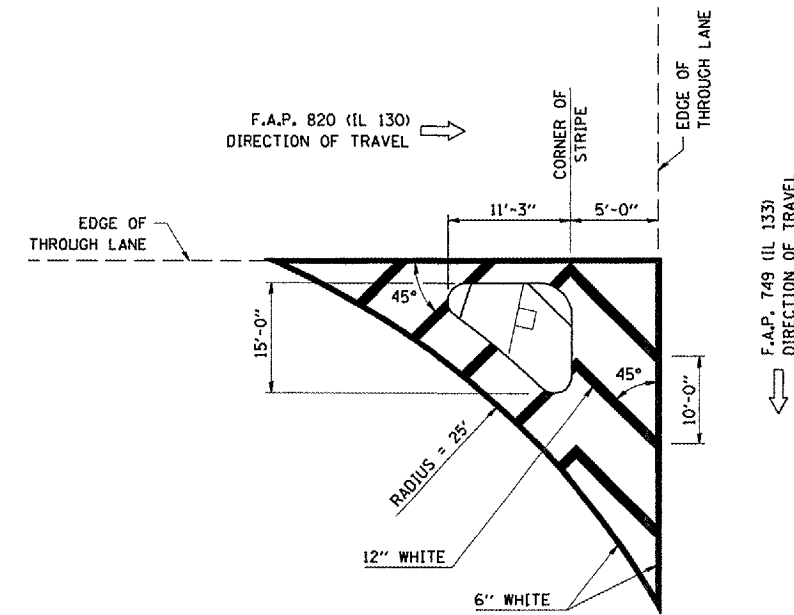
PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\4507002 (v8)\7002details.dgn
 PLOT SCALE = 42.3529' / IN.
 USER NAME = philipsjr

DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
11/06	REPLACED DETAIL C-5.01	TJB	
			PCC PARTIAL DEPTH HOT-MIX ASPHALT PATCHING
			DISTRICT 5 DETAIL NO. XX442100

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	51

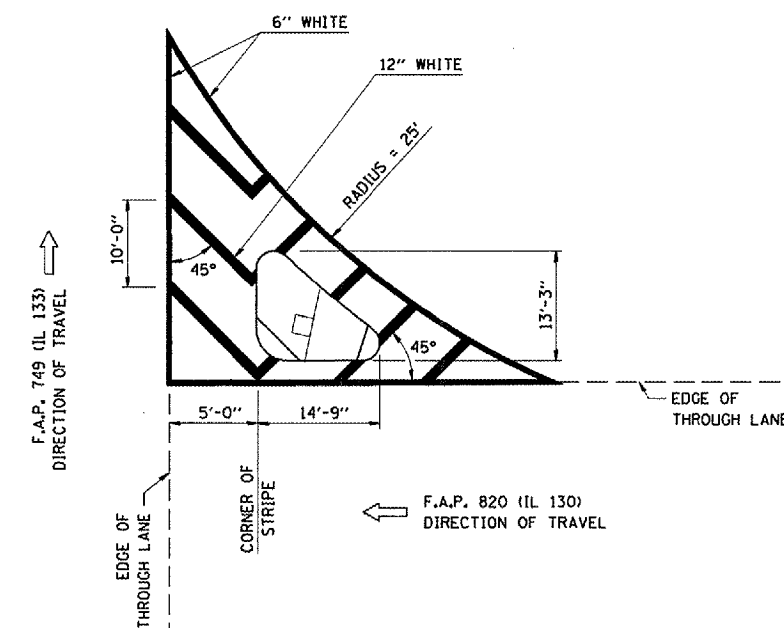
*(37,37-1,2&3)RS-1

DETAIL OF S.E. ISLAND - THERMOPLASTIC PAVEMENT MARKING

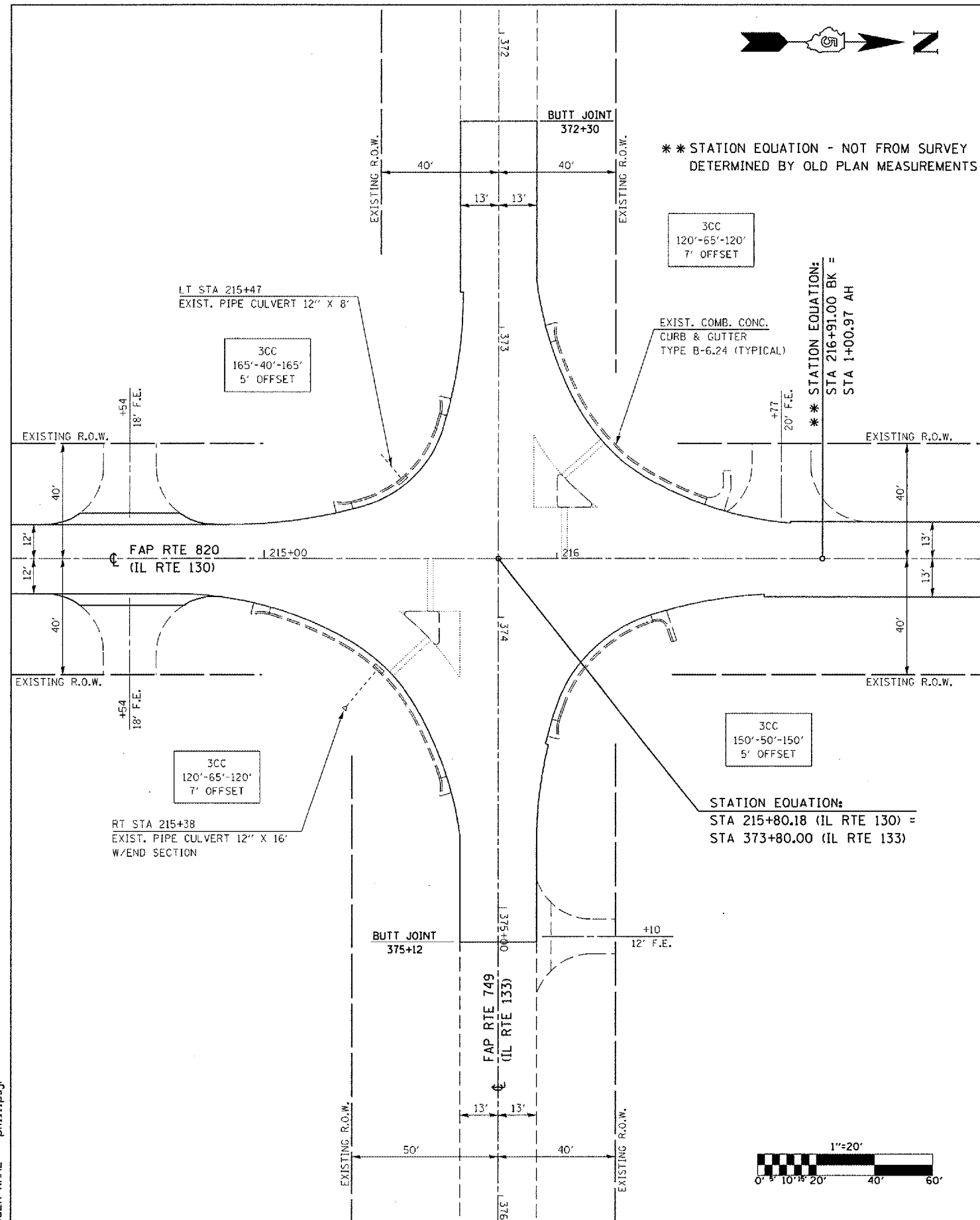


NO SCALE

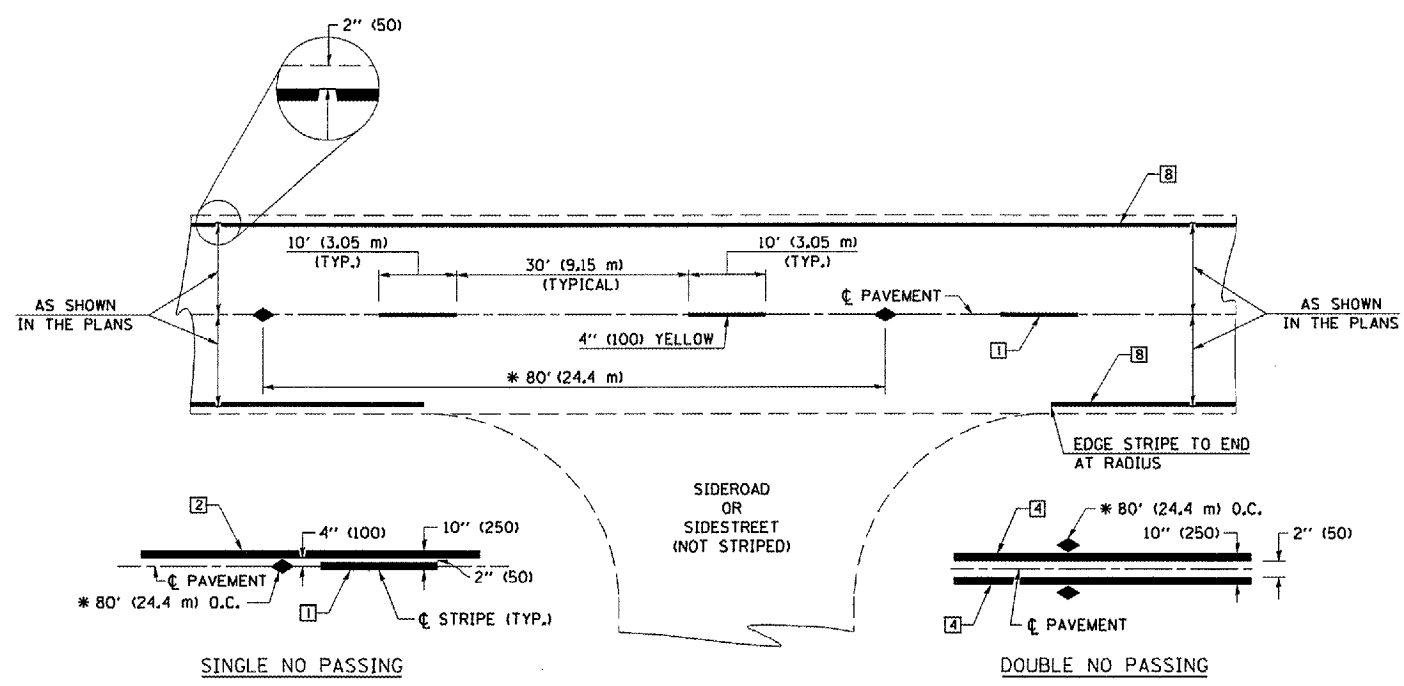
DETAIL OF N.W. ISLAND - THERMOPLASTIC PAVEMENT MARKING



NO SCALE



PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\6507002 (v8)\7002det01s.dgn
 PLOT SCALE = 42.3529' / IN.
 USER NAME = phillipsjr



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

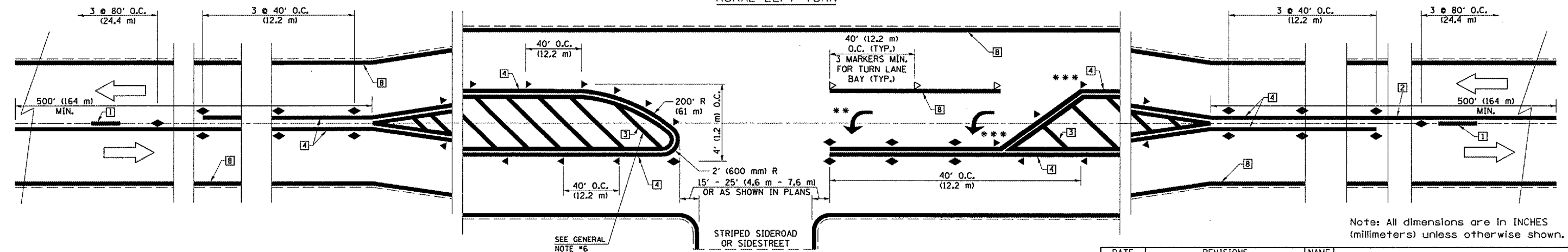
TYPICAL PAVEMENT MARKING LEGEND

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

TYPICAL PAVEMENT MARKERS LEGEND

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

RURAL LEFT TURN



SEE GENERAL NOTE *6

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

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

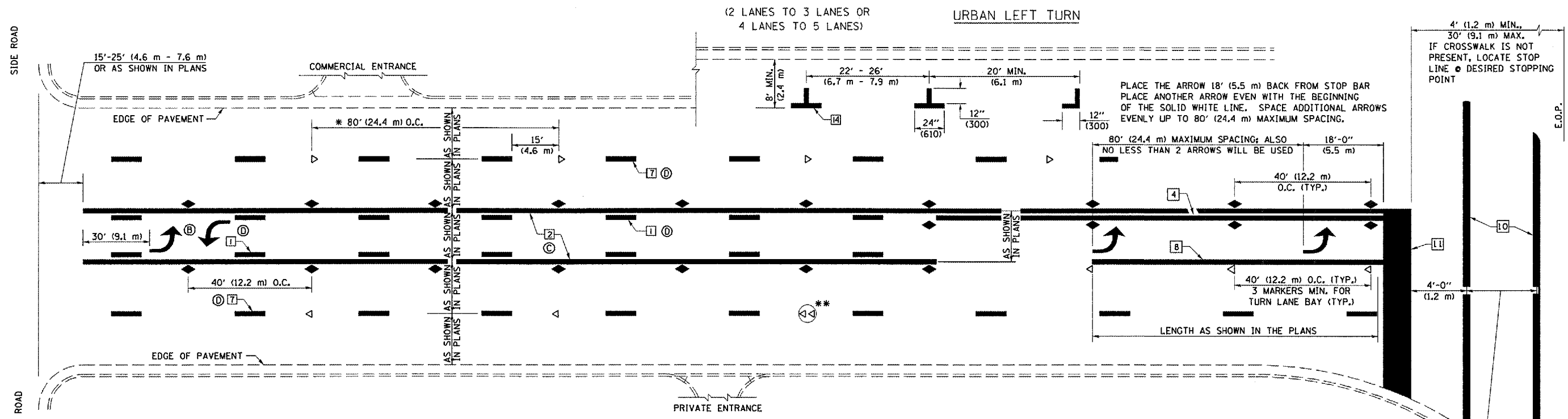
DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5,25	TJB

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

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\507002 (v8)\7002detail.dgn
 PLOT SCALE = 42.3529 / IN.
 USER NAME = philipsjr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	53

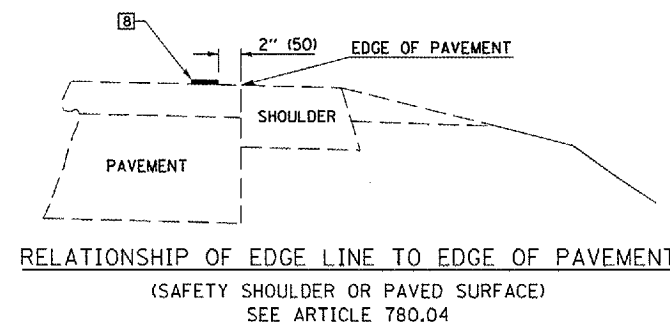
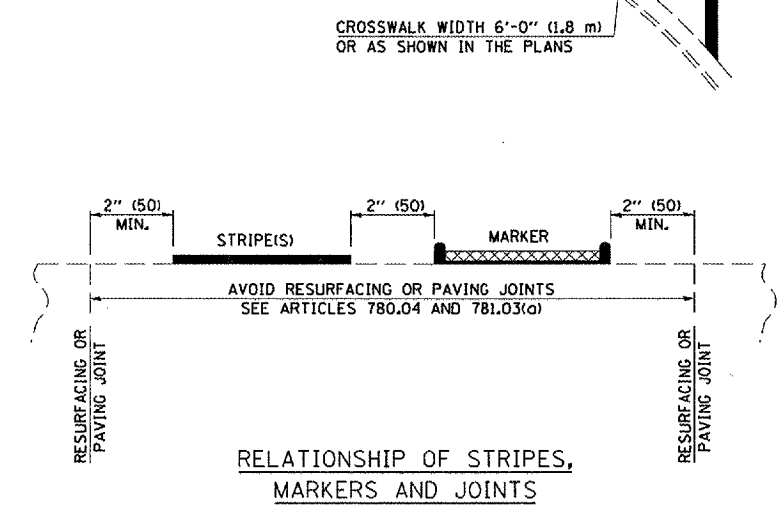
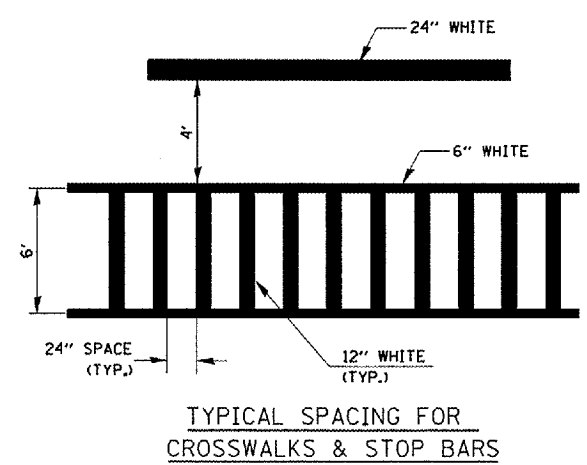
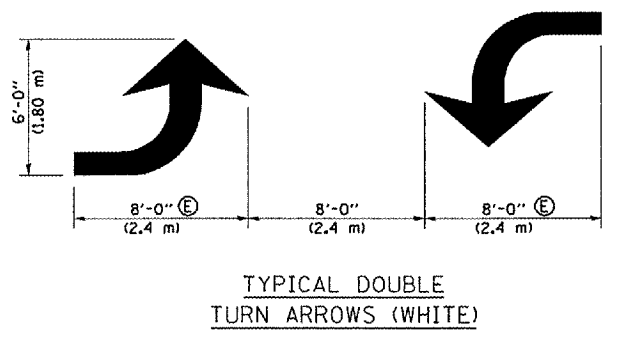
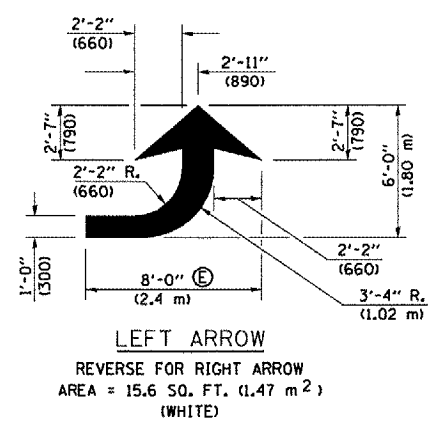
*(37,37-1,2&3RS-1



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

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

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



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

DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
11/06	REPLACED DETAIL F-5,25	TJB	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
			DISTRICT 5 DETAIL NO. 7800AAAA

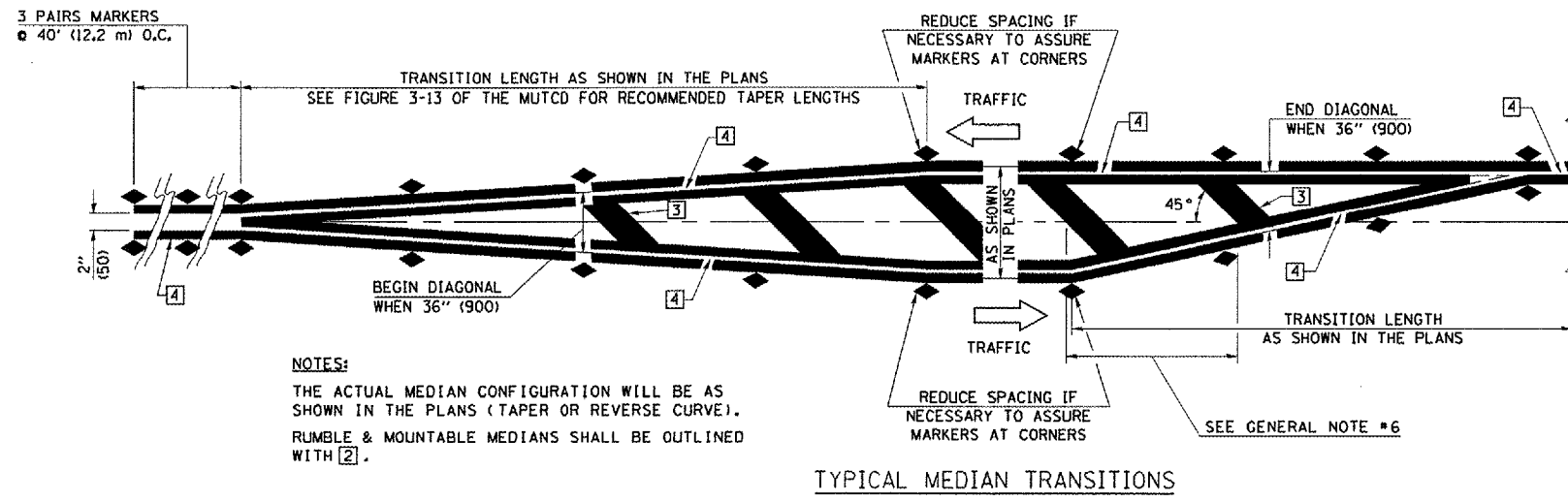
PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\4507002 (v8)\7002details.dgn
 PLOT SCALE = 42.3529 / IN.
 USER NAME = phillips,jr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	54

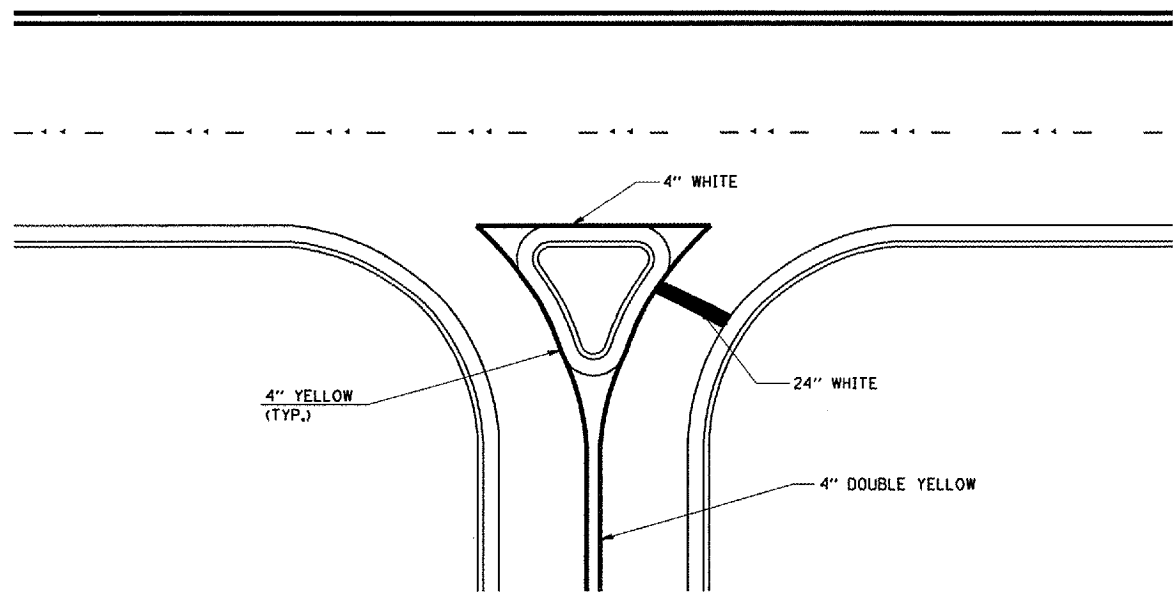
*(37,37-1,2&3)RS-1

GENERAL NOTES

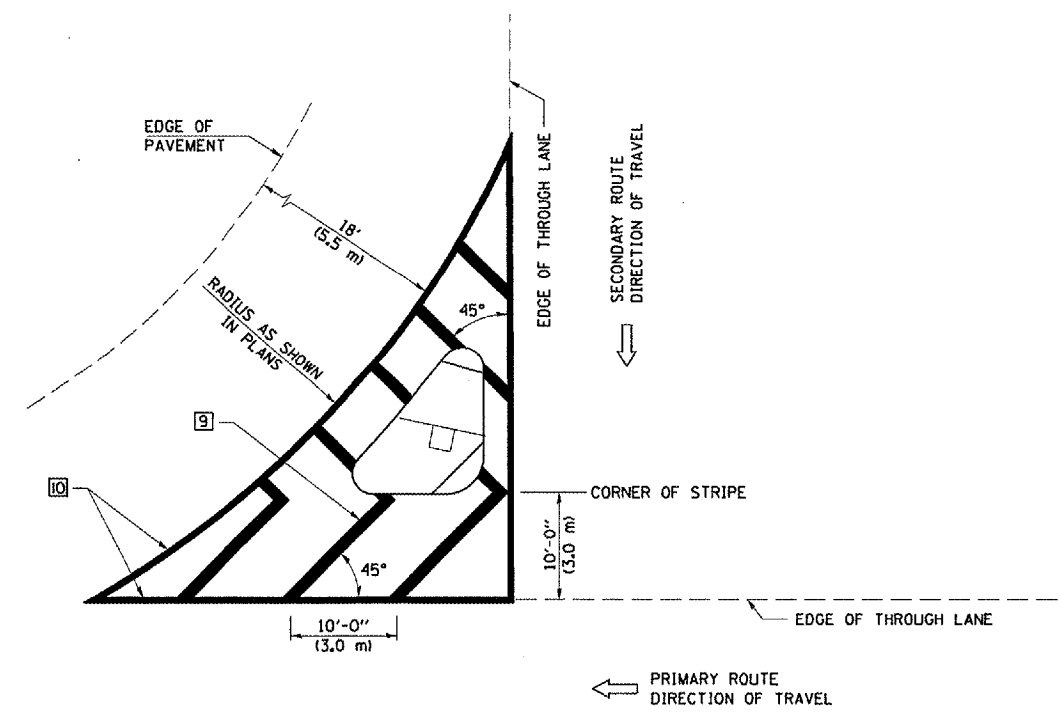
1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND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



TYPICAL MEDIAN TRANSITIONS



RIGHT IN - RIGHT OUT ACCESS



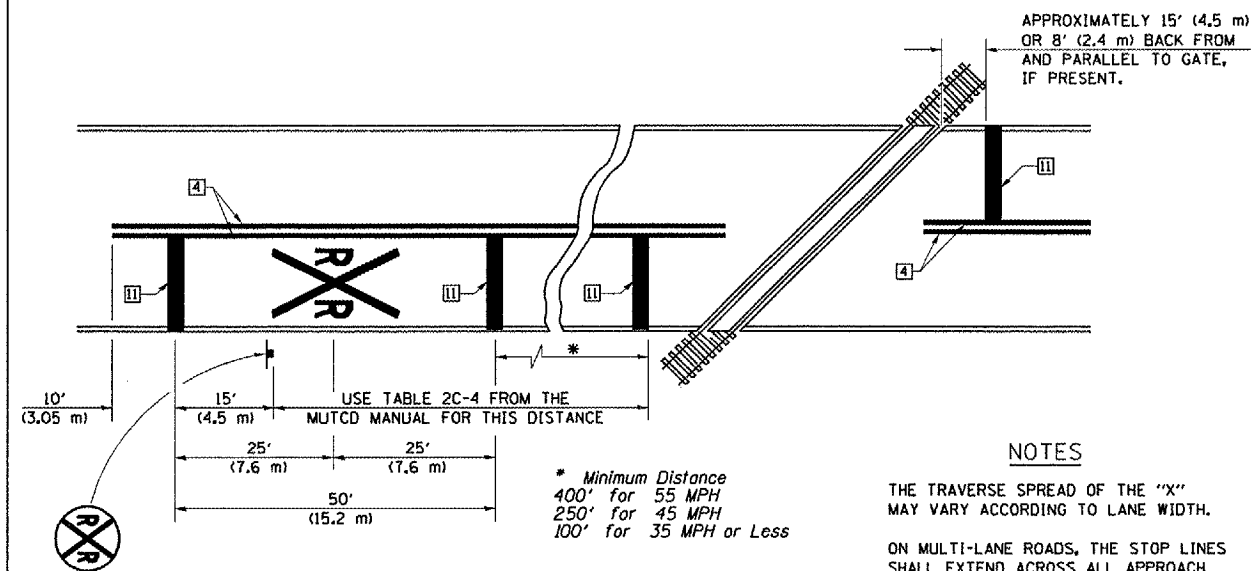
ISLAND

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

DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
11/06	REPLACED DETAIL F-5.25	TJB	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
			DISTRICT 5 DETAIL NO. 7800AAAA

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\4507002 (v8)\7002details.dgn
 PLOT SCALE = 42,3529' / IN.
 USER NAME = philip.jr

*(37,37-1,2&3)RS-1



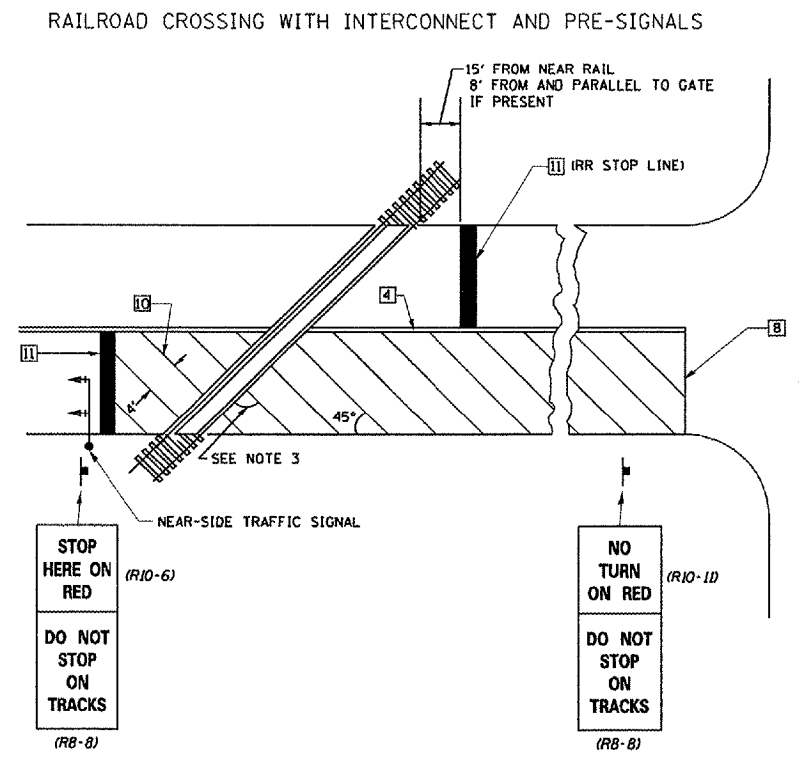
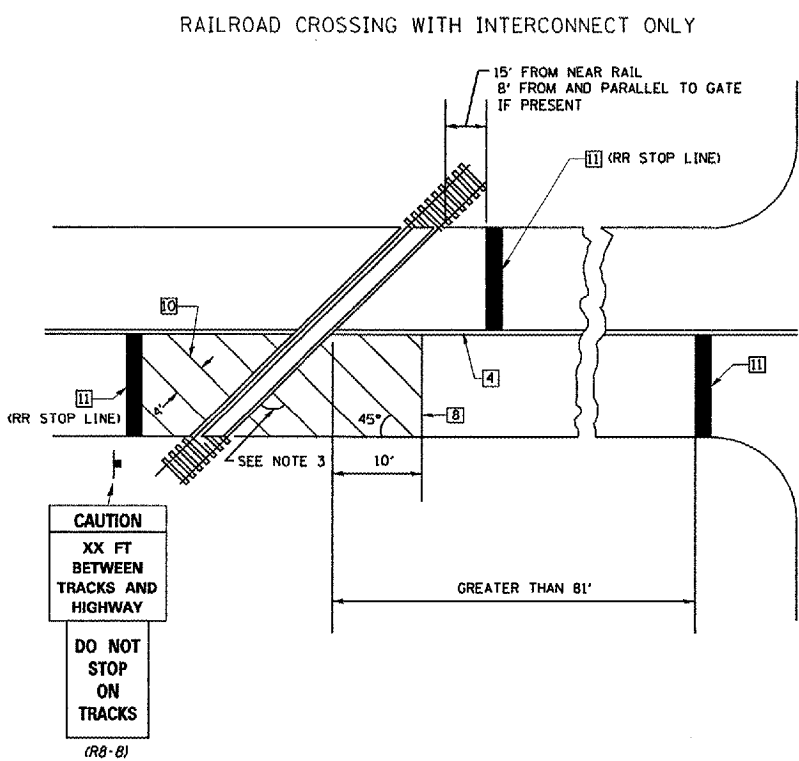
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

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

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

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



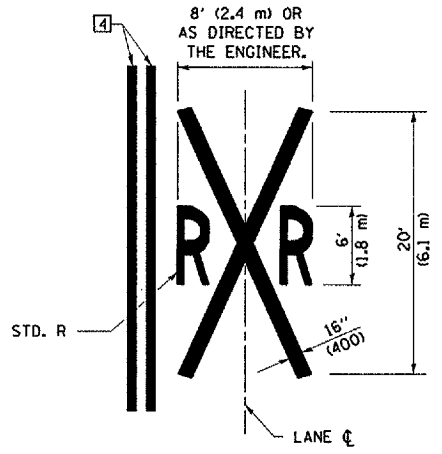
SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

NOTES

SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.

EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.

WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.



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

DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

DISTRICT 5 DETAIL NO. 7800AAAA

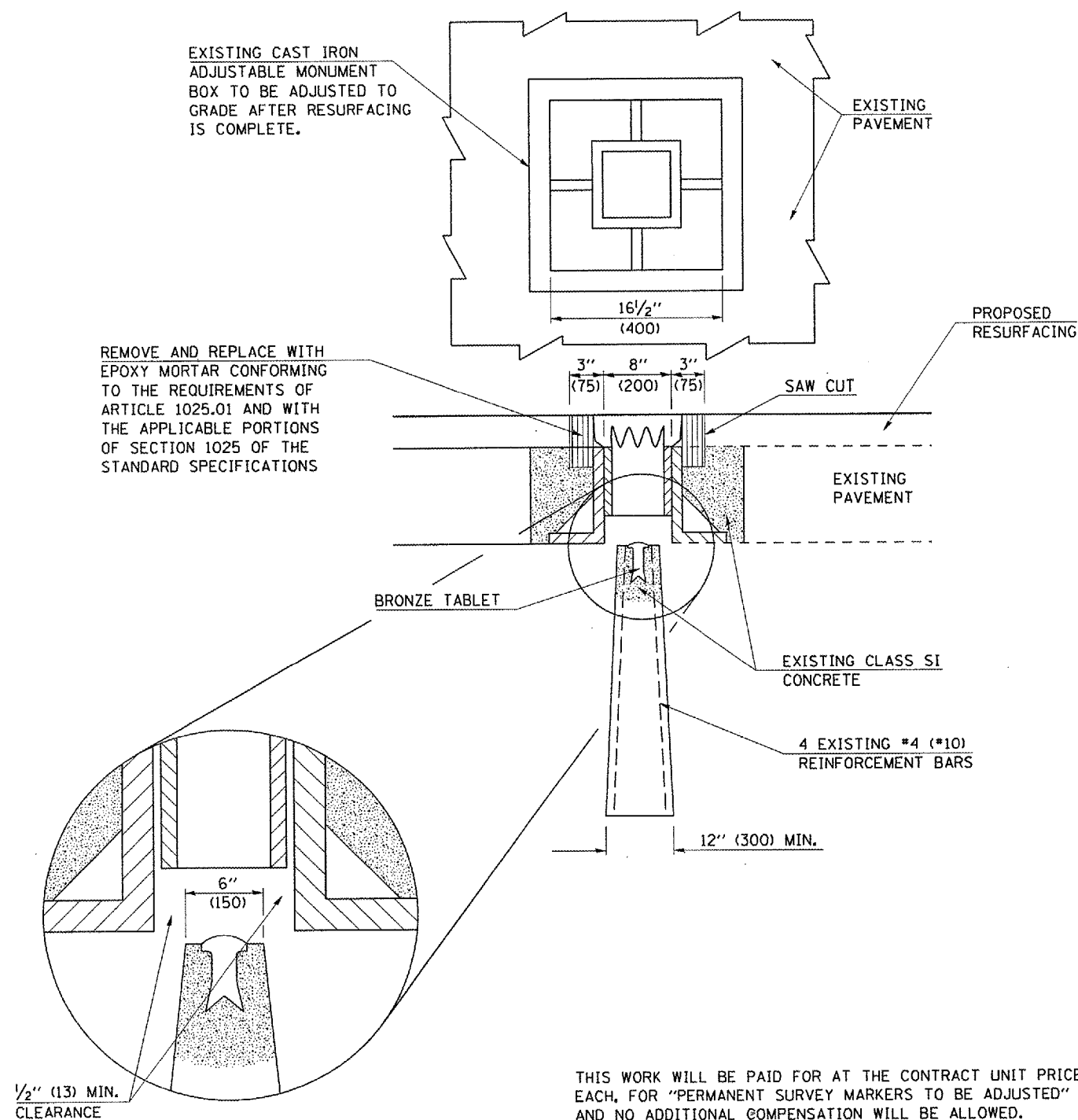
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FILE NAME = c:\projects\507002 (v8)\7002det01.s.dgn
PLOT SCALE = 42.3529" / IN.
USER NAME = philips jr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	56

*(37,37-1,2&3)RS-1

66700110 – PERMANENT SURVEY MARKERS TO BE ADJUSTED

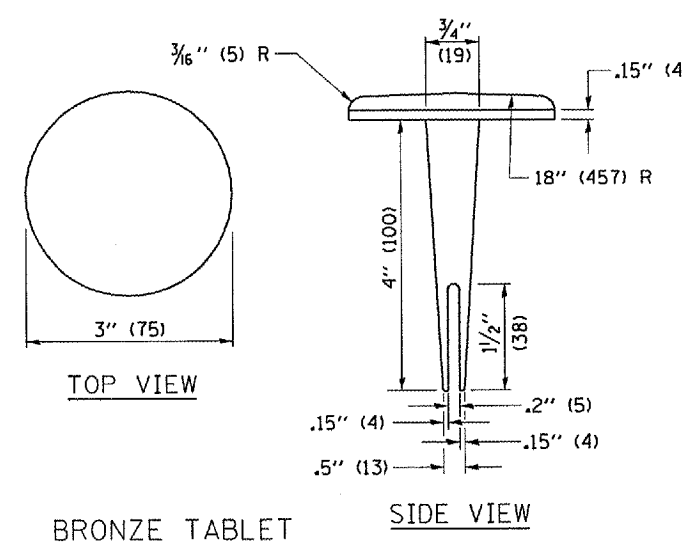
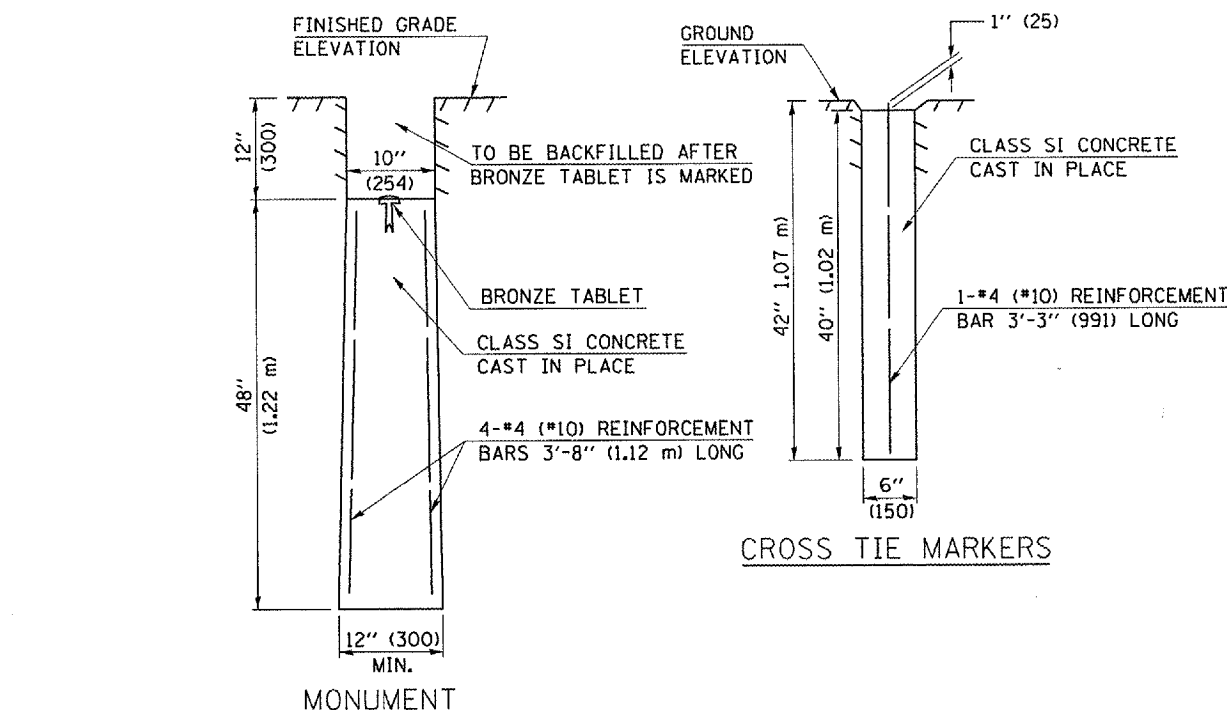
TO BE INSTALLED FOR PRESERVING EXISTING CAST IRON PERMANENT SURVEY MARKERS, TYPE III



THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, FOR "PERMANENT SURVEY MARKERS TO BE ADJUSTED" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

66700505 – PERMANENT SURVEY MARKERS, TYPE IV

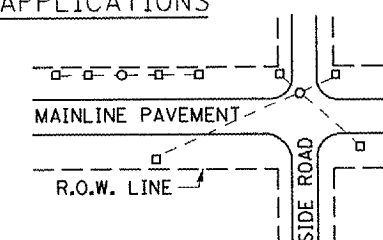
TO BE INSTALLED IN PAVEMENT OR TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS) UNDER DIRECTION OF THE CHIEF OF SURVEYS



TYPICAL APPLICATIONS

SYMBOLS

- CROSS TIE MARKER
- MONUMENT



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

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

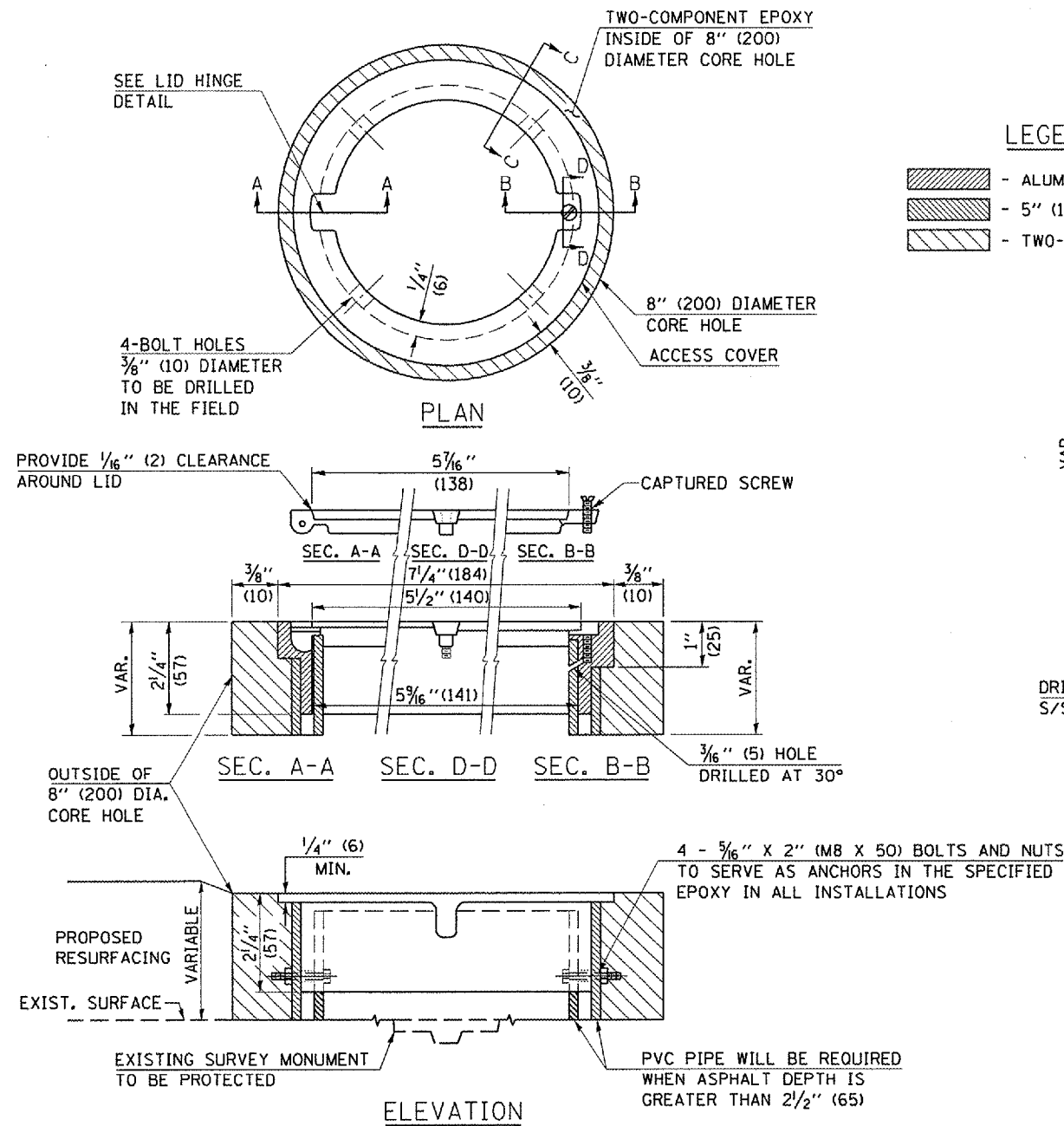
DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
11/06	REPLACED DETAILS D-1.02 & d-1.06		PERMANENT SURVEY MARKERS (TYPE IV & ADJUSTED)
			DISTRICT 5 DETAIL NO. 66700AAA

PLOT DATE = 3/26/2007
 FILE NAME = c:\projects\507002 (v8)\7002detail.s.dgn
 PLOT SCALE = 42.3529' / IN.
 USER NAME = philipsjr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
820	*	DOUGLAS	57	57

*(37,37-1,2&3)RS-1

TO BE INSTALLED IN ALL PAVEMENT TYPES FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S) AND LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)



LEGEND

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

SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; 00-A-601Es. NO EXCEPTIONS.

BILL OF MATERIAL

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 4 EACH - 5/16" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).

GENERAL NOTES

1. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
2. THE SURVEY MONUMENT COVER ASSEMBLY SHALL BE CENTERED ABOVE THE SURVEY MONUMENT TO BE PROTECTED.
3. MODIFICATION OF THE ALUMINUM CASTING SHALL BE DONE BY GRINDING OR SAWING WHEN HEIGHT REDUCTION IS REQUIRED.
4. ALL SURVEY MONUMENT COVER ASSEMBLIES SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
5. ALUMINUM CASTING SHALL BE PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE WHEN AN INCREASE IN HEIGHT IS REQUIRED.
6. THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
7. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MONUMENT COVER ASSEMBLY WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING THE NEW PAVEMENT SURFACE AND EPOXY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

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

DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
11/06	REPLACED DETAIL D-1.04	TJB	SURVEY MONUMENT COVER ASSEMBLY
			DISTRICT 5 DETAIL NO. Z0070100