

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	(25R)RS	CHAMPAIGN	50	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

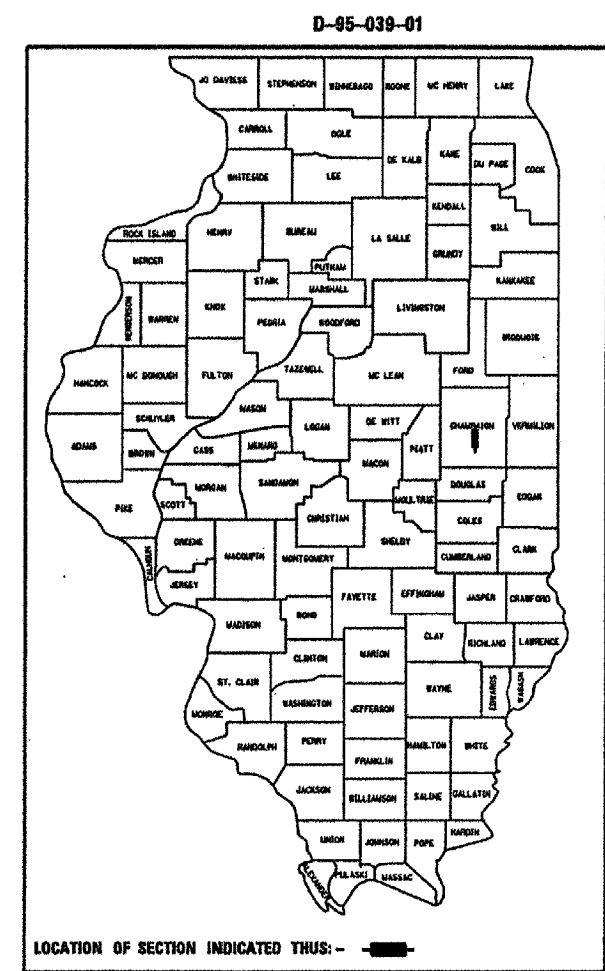
**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 804 (U.S. ROUTE 45)
SECTION (25R)RS

CHAMPAIGN COUNTY

C-95-064-01

RESURFACING (SMART)
FROM KIRBY AVENUE TO CURTIS ROAD



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

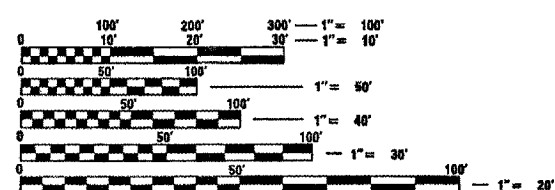
(217)465-4181

PROJECT ENGINEER: KENSIL GARNETT

SQUAD LEADER: CORY SHEEHY

DESIGNER: RYAN CARROLL

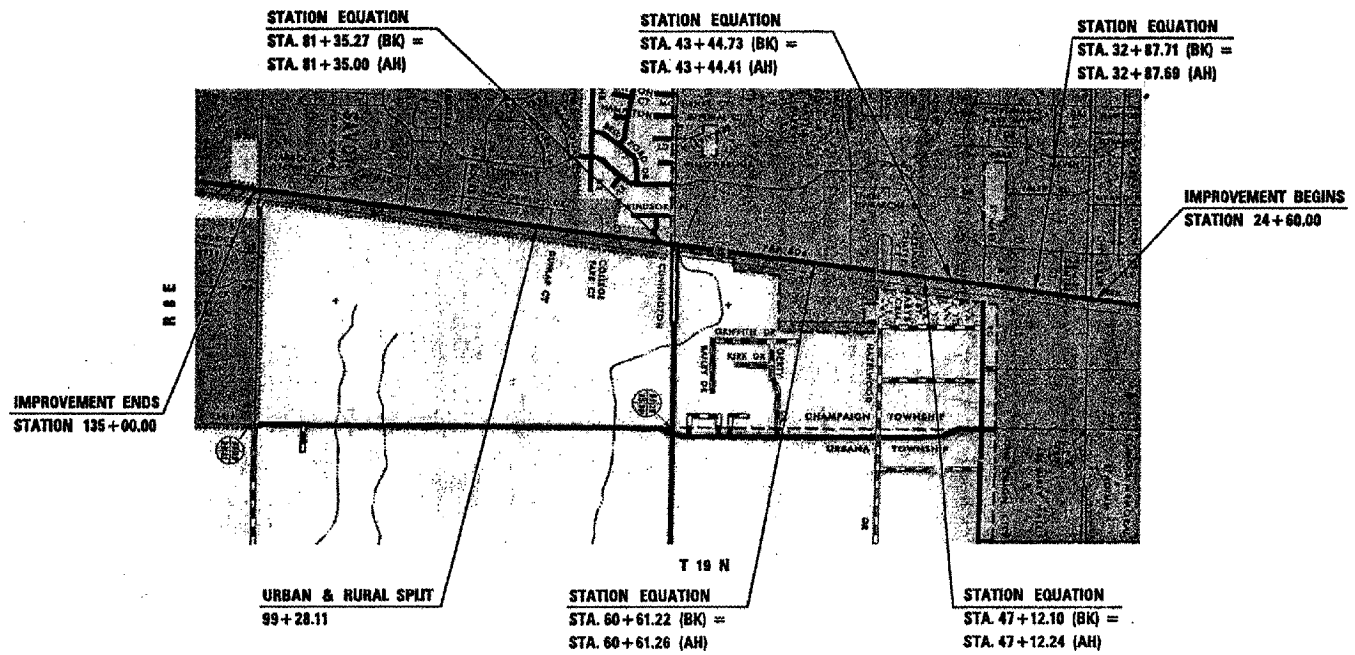
ADT = 19,500 (2003)
DESIGN DESIGNATION
FUNCTIONAL CLASSIFICATION
PRINCIPAL ARTERIAL



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

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

CONTRACT NO. 70186



TOTAL LENGTH OF SECTION & PROJECT = 11,040.43 FEET = 2.091 MILES
NET LENGTH OF SECTION & PROJECT = 11,040.43 FEET = 2.091 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 09/29/06

[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER

December 8, 2006
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

December 20, 2006
[Signature]
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	(25R)RS	CHAMPAIGN	50	2

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS/HIGHWAY STANDARDS
3	GENERAL NOTES
4 - 5	SUMMARY OF QUANTITIES
6 - 9	EXISTING TYPICAL CROSS SECTIONS
10 - 13	PROPOSED TYPICAL CROSS SECTIONS
14 - 18	SCHEDULES
19 - 21	TIE POINTS
22 - 44	STRIPING DETAILS
45 - 50	DETAILS

LIST OF STANDARDS

STANDARD NO.	DESCRIPTION
000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
606001-03	CONCRETE CURB TYPE B AND COMBINATION CURB & GUTTER
701426-02	TRAFFIC CONTROL AND PROTECTION
701602-02	TRAFFIC CONTROL AND PROTECTION
701701-04	TRAFFIC CONTROL AND PROTECTION
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATION OF RAISED REFLECTIVE PAVEMENT MARKERS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTOR LOOPS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	(25R)RS	CHAMPAIGN	50	3

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.-107.12

THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE LOCAL RAILROAD CONTACT IS:

Mr. Hardy Taylor
1907 Marion Ave
Mattoon, IL 61938
(217) 238-2443

SPECIAL ATTENTION IS CALLED TO ARTICLE 107.12 REGARDING RAILROAD FLAGGERS. THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE RAILROAD CONTACT PERSON FOR FLAGGERS IS:

Mr. Tom Tucker
2800 Livernois Rd
Troy, MI 48083
(248) 740-6227

G.N.-403A

BITUMINOUS SURFACE TREATMENTS: THE RESULTING TARGET APPLICATION RATES ARE AS FOLLOWS:

SHOULDER SEAL:

TYPE OF CONSTRUCTION	BITUMINOUS MATERIAL	APPLICATION RATE	AGGREGATE	APPLICATION RATE
A-1	HFP - CRSP	0.25 gal/yd ²	FM-01 (SPECIAL)	15 lb/yd ²
A-1	HFP - CRSP	0.25 gal/yd ²	FM-20 (SPECIAL)	15 lb/yd ²

AGGREGATE GRADATION:

TOTAL PERCENT PASSING

SIEVE NUMBER	FM-01 (SPECIAL)	FM-20 (SPECIAL)
3/8"	100	100
No.4	97+/-3	97+/-3
No.8	85+/-15	70+/-20
No.16	40+/-15	40+/-15
No.50	12+/-12	12+/-12
No.100	8+/-8	8+/-8
No.200	1.5+/-1	1.5+/-1
DESCRIPITON	WET BOTTOM BOILER SLAG	CRUSHED GRAVEL

NOTE: THE ENGINEER RESERVES THE RIGHT TO ADJUST THE TARGET APPLICATION RATES AND THE QUANTITIES.

G.N.-406

THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT 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.-406.10

FOR MULTILANE RESURFACING

WHEN BEGINNING THE RESURFACING WITH NEW MIXTURES FOR LEVELING BINDER, BINDER COURSE, AND SURFACE COURSE MIXTURES, THE WORK WILL BE CONFINED TO THE INSIDE TRAFFIC LANE (PASSING LANE) FIRST. THE WORK WILL REMAIN ON THE INSIDE LANE UNTIL THE MIX HAS BEEN ADJUSTED AND APPROVED BY THE ENGINEER BEFORE ANY RESURFACING IS ALLOWED ON THE OUTSIDE (DRIVING) TRAFFIC LANE(S).

ANY DELAYS OR INCONVENIENCES CAUSED THE CONTRACTOR IN COMPLYING WITH THIS REQUIREMENT WILL BE CONSIDERED INCIDENTAL TO THE VARIOUS HOT-MIX ASPHALT PAY ITEMS, AS SHOWN IN THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N. -406H

MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Location(s):	US 45	US 45
Mixture Use(s):	MAINLINE SURFACE	P.D. PATCH & INCIDENTAL SURFACE
AC/PG:	SBS PG 70-22	PG 64-22
RAP %: (Max)**	10%	10%
Design Air Voids:	4.0% @ Ndes=90	4.0% @ Ndes=90
Mixture Composition: (Gradation Mixture)	IL 9.5	IL 9.5
Friction Aggregate:	Mix D	Mix C

G.N.-408B

THE INCIDENTAL HOT-MIX ASPHALT SURFACING SHALL BE COMPACTED AS REQUIRED BY THE SPECIFICATIONS FOR DESIGN NUMBER OF GYRATIONS BEING USED, AT THE FOLLOWING LOCATIONS:

KIRBY AVE.
FLORIDA AVE.
WINDSOR RD.
CURTIS RD.

G.N.-440B

THE EXISTING TIE BARS BETWEEN THE EXISTING PAVEMENT AND EXISTING MEDIANS, GUTTERS AND/OR COMBINATION CURB AND GUTTERS THAT ARE FOUND SUITABLE FOR REUSE SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY EXISTING TIE BARS THAT ARE FOUND UNSUITABLE TO BE INCORPORATED INTO THE PROPOSED CONSTRUCTION DUE TO EXCESSIVE RUSTING OR DISTRESS SHALL BE REMOVED FLUSH WITH THE FACE OF THE EXISTING CONCRETE AND DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS REMOVAL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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 (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR SETTING THESE MARKERS.

G.N.-703A

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

G.N.-781

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY 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. - 873

EXISTING DETECTOR LOOPS IN THE AREAS OF PROPOSED SURFACE REMOVAL SHALL BE REPLACED PER THE EXISTING SIZE AND LOCATION EXCEPT AS NOTED IN THE PLANS. EXISTING DETECTOR LOOPS SHALL BE DISCONNECTED AT THE GULFBOX JUNCTION OR HANDHOLE PRIOR TO COLD MILLING AT THAT RESPECTIVE LOCATION. NEW DETECTOR LOOPS SHALL BE CONNECTED TO THE RESPECTIVE EXISTING AMPLIFIER. IN GENERAL, ADVANCED DETECTOR LOOPS FOR DILEMMA ZONE PROTECTION LOCATED AT THE SAME STATION SHALL BE GROUPED TOGETHER ON A COMMON AMPLIFIER. PRESENCE LOOPS SHALL BE GROUPED BY LANE ON A COMMON AMPLIFIER.

WHERE IT IS NECESSARY TO INSTALL MORE THAN ONE LOOP HOMERUN IN A CONDUIT, HOMERUNS SHARING THE SAME CONDUIT SHALL BE ON A COMMON AMPLIFIER.

COMMITMENTS

NO COMMITMENTS ARE REQUIRED FOR THIS PROJECT.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	12SRURS	CHAMPAIGN	50	4

SUMMARY OF QUANTITIES

CODE NO	ITEM	CONSTRUCTION TYPE CODE:	UNIT	LOCATION OF WORK		
				100% STATE 1000-2A TOTAL QUANTITY	URBAN STA. 24+60 TO STA. 99+28.11 QUANTITY	RURAL STA. 99+28.11 TO STA. 135+00 QUANTITY
40300300	BITUMINOUS MATERIALS (COVER AND SEAL COATS)		GALLON	2797.0	981.0	1816.0
40300600	SEAL COAT AGGREGATE		TON	90.0	32.0	58.0
40600100	BITUMINOUS MATERIALS (PRIME COAT)		GALLON	7833.0	5248.0	2585.0
40600300	AGGREGATE (PRIME COAT)		TON	157.0	105.0	52.0
40600895	CONSTRUCTING TEST STRIP		EACH	1.0	0.5	0.5
40600990	TEMPORARY RAMP		SQ YD	268.0	185.0	83.0
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90		TON	6580.0	4409.0	2171.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)		GALLON	773.0	552.0	221.0
40800030	AGGREGATE (PRIME COAT)		TON	16.0	12.0	4.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING		TON	649.0	464.0	185.0
44000154	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4"		SQ YD	78333.0	52478.0	25855.0
44000196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL		SQ YD	7725.0	5519.0	2206.0
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT		FOOT	20.0	20.0	0.0
60255500	MANHOLES TO BE ADJUSTED		EACH	8.0	4.0	4.0
67000400	ENGINEER'S FIELD OFFICE, TYPE A		CAL MO	3.0	1.5	1.5
67100100	MOBILIZATION		L SUM	1.0	0.5	0.5
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602		L SUM	1.0	0.5	0.5
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701		L SUM	1.0	0.5	0.5
70300100	SHORT-TERM PAVEMENT MARKING		FOOT	21247.0	10623.5	10623.5
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS		SQ FT	2604.0	1669.0	935.0
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"		FOOT	43719.0	24270.0	19449.0
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"		FOOT	2953.0	1868.0	1085.0
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"		FOOT	158.0	28.0	130.0
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"		FOOT	1111.0	836.0	275.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL		SQ FT	2437.0	1218.5	1218.5
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS		SQ FT	2604.0	1669.0	935.0
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"		FOOT	43719.0	24270.0	19449.0
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"		FOOT	2953.0	1868.0	1085.0
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"		FOOT	158.0	28.0	130.0
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"		FOOT	1111.0	836.0	275.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER		EACH	735.0	431.0	304.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL		EACH	773.0	450.0	323.0

* SPECIALTY ITEMS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R1RS	CHAMPAIGN	50	5

SUMMARY OF QUANTITIES

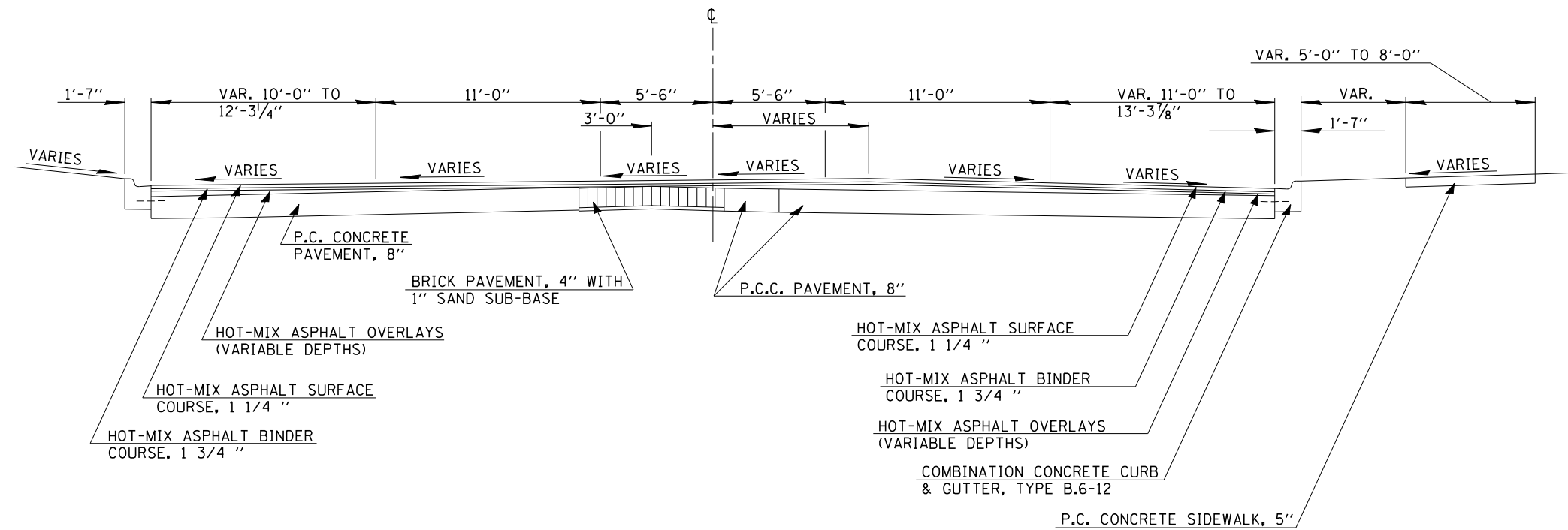
CODE NO	ITEM	CONSTRUCTION TYPE CODE:	UNIT	100% STATE 1000-2A	LOCATION OF WORK	
					URBAN STA. 24+60 TO STA. 99+28.11	RURAL STA. 99+28.11 TO STA. 135+00
				QUANTITY	QUANTITY	QUANTITY
* 88600100	DETECTOR LOOP, TYPE I		FOOT	9519.0	6622.0	2897.0
X4032500	BITUMINOUS MATERIALS (COVER AND SEAL COATS), SPECIAL		GALLON	667.0	191.0	476.0
X4033000	SEAL COAT AGGREGATE FM-01, (SPECIAL)		TON	23.0	7.0	16.0
X4401705	PARTIAL DEPTH REMOVAL		SQ YD	1084.0	693.0	391.0
X4421000	PARTIAL DEPTH PATCHING		TON	364.0	233.0	131.0
X7015005	CHANGEABLE MESSAGE SIGN		CAL DA	63.0	42.0	21.0
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE		L SUM	1.0	0.0	1.0
* Z0070100	SURVEY MONUMENT COVER ASSEMBLY		EACH	4.0	4.0	0.0

* SPECIALTY ITEMS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125RIRS	CHAMPAIGN	50	6

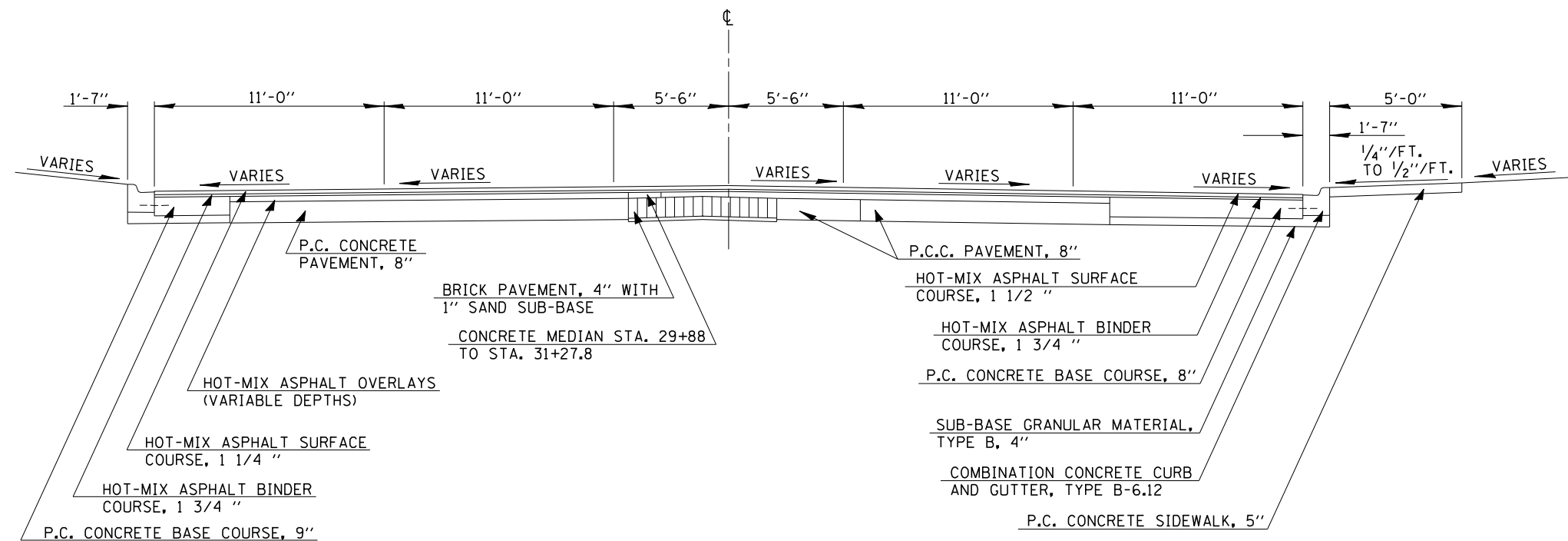
EXISTING TYPICAL CROSS SECTION

STATION 24+60.00 TO STATION 29+88.00



EXISTING TYPICAL CROSS SECTION

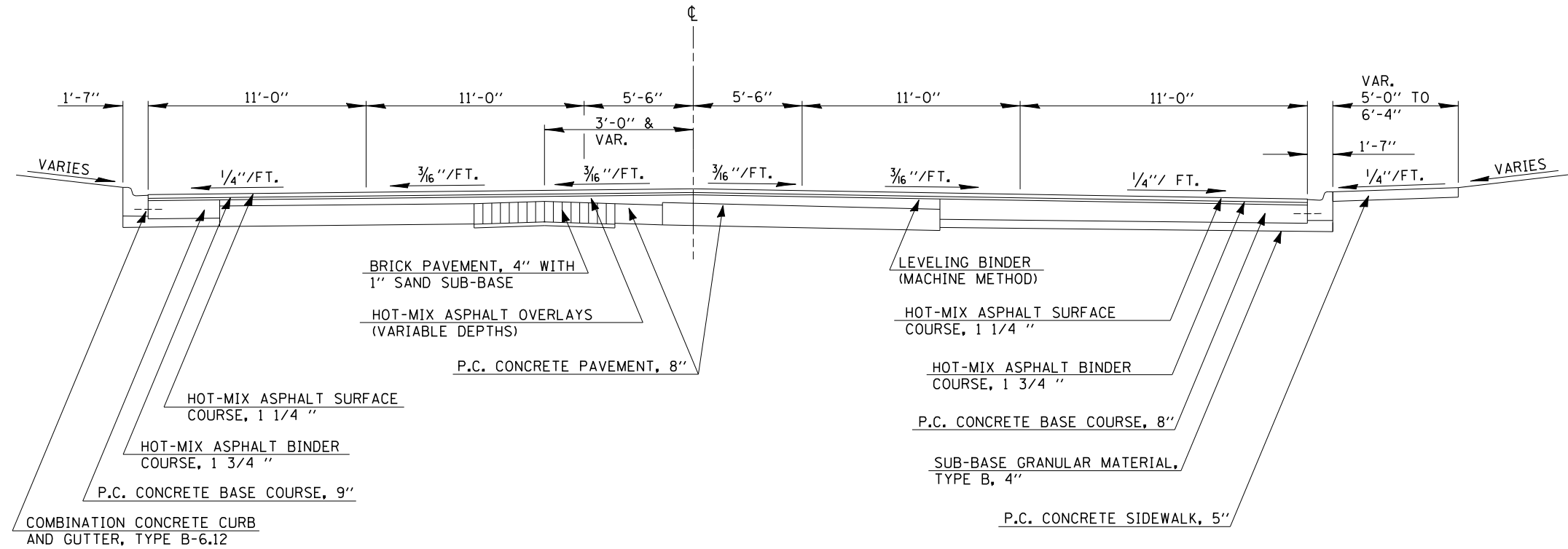
STATION 29+88.00 TO STATION 32+87.71 BK =
STATION 32+87.69 AH TO STATION 36+63.92



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125RIRS	CHAMPAIGN	50	7

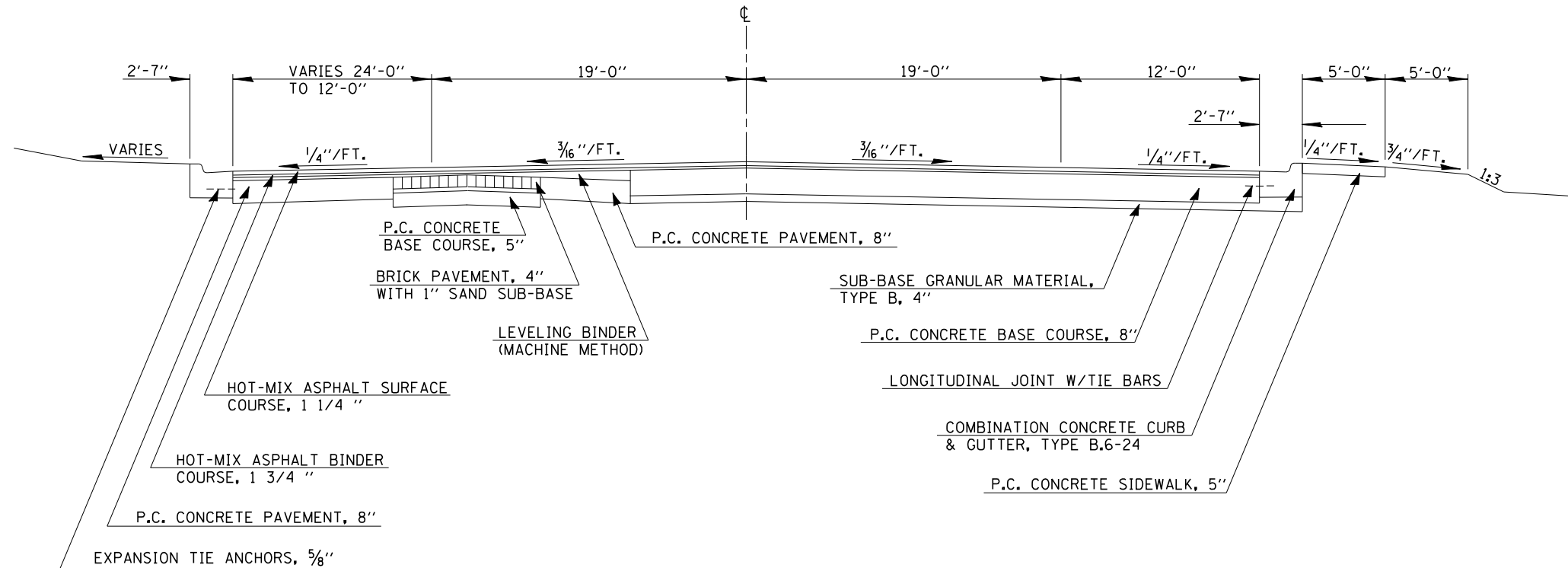
EXISTING TYPICAL CROSS SECTION

STATION 36+63.92 TO STATION 40+00.00



EXISTING TYPICAL CROSS SECTION

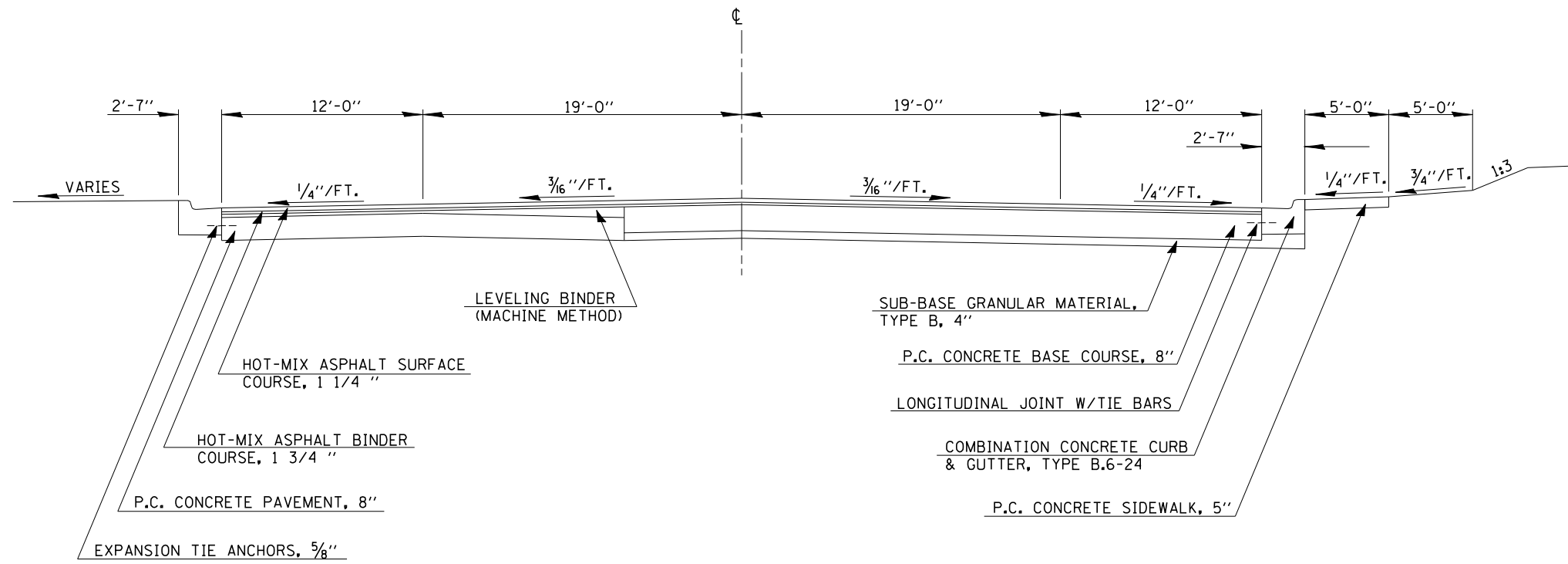
STATION 40+00.00 TO STATION 43+44.73 BK =
 STATION 43+44.41 AH TO STATION 47+12.10 BK =
 STATION 47+12.24 AH TO STATION 60+61.22 BK =
 STATION 60+61.26 AH TO STATION 68+00.00



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R1RS	CHAMPAIGN	50	8

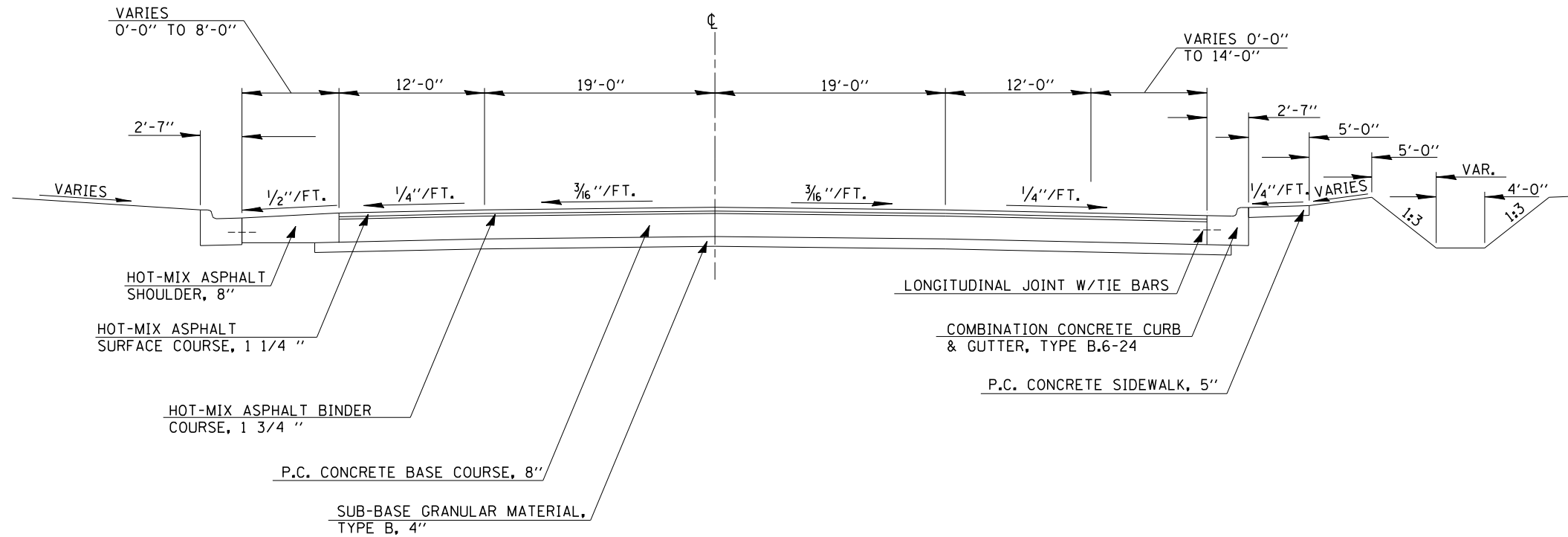
EXISTING TYPICAL CROSS SECTION

STATION 68+00.00 TO STATION 74+27.45



EXISTING TYPICAL CROSS SECTION

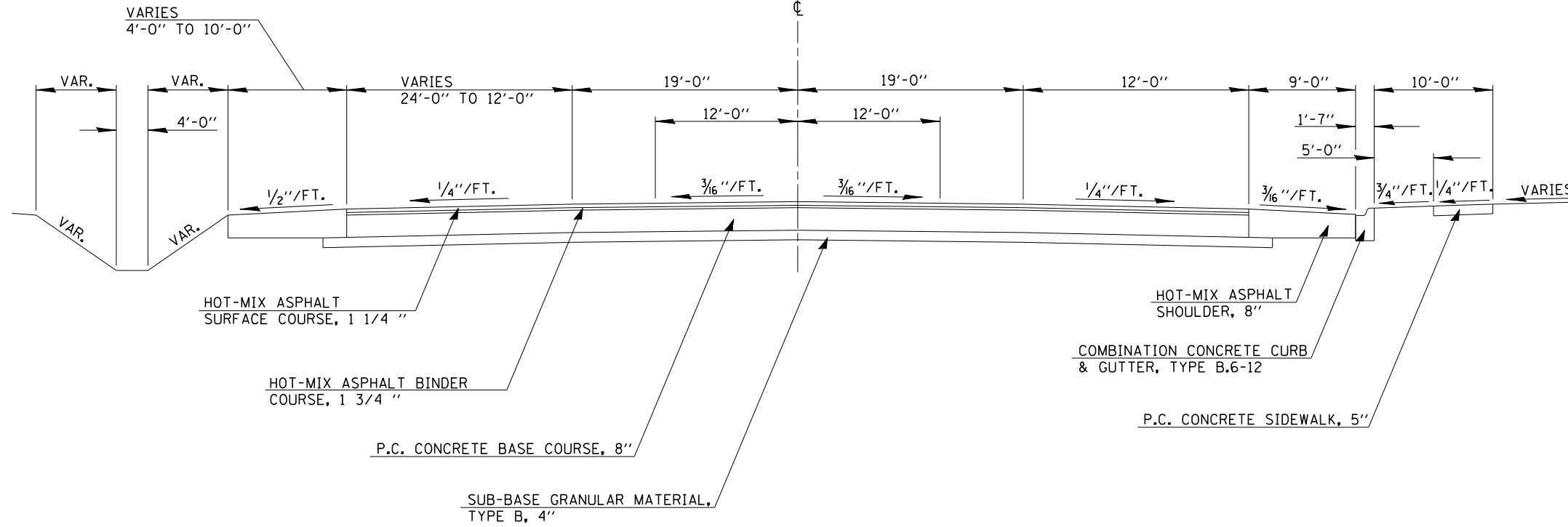
STATION 74+27.45 TO STATION 80+00.00



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R/RS	CHAMPAIGN	50	9

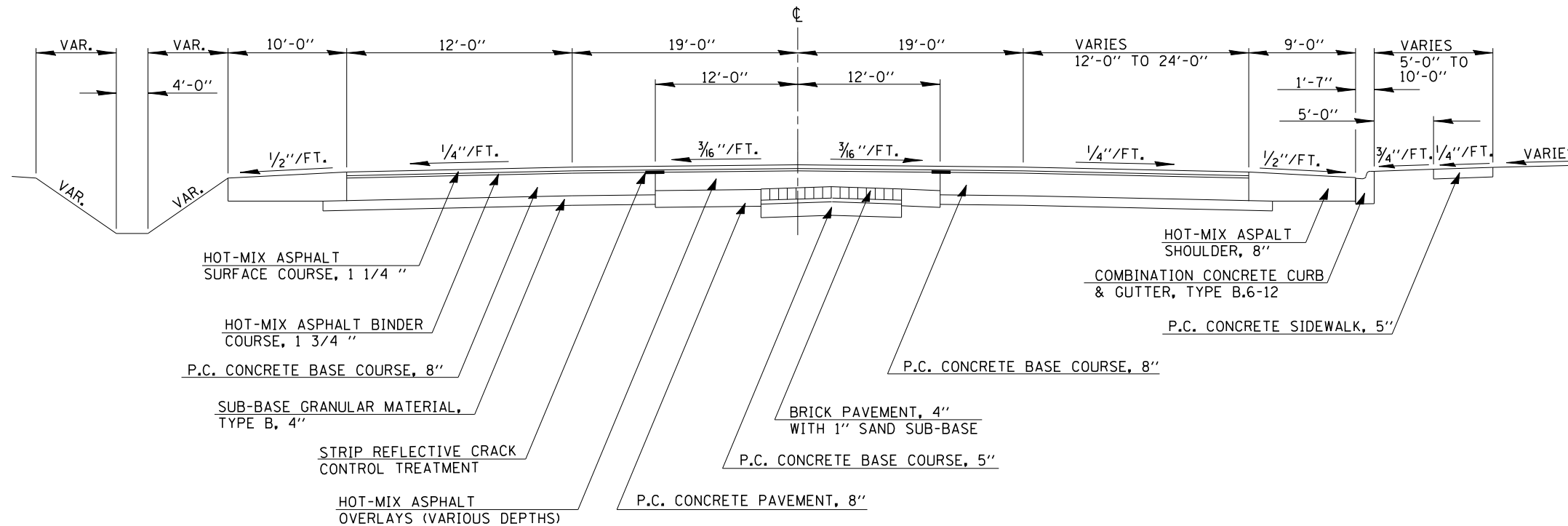
EXISTING TYPICAL CROSS SECTION

STATION 80+00.00 TO STATION 81+35.27 BK =
STATION 81+35.00 AH TO STATION 85+00.00



EXISTING TYPICAL CROSS SECTION

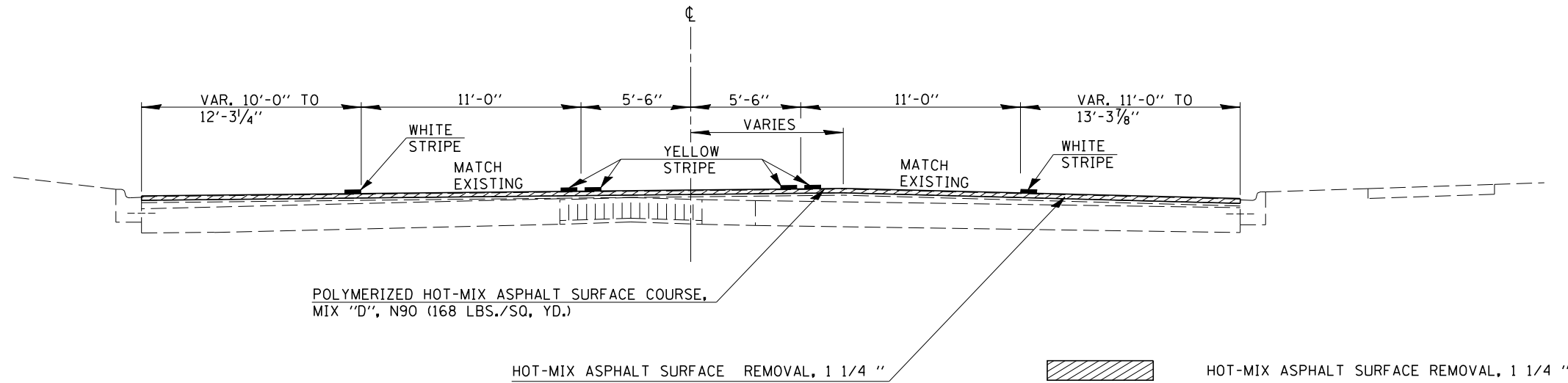
STATION 85+00.00 TO STATION 135+00.00



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R1RS	CHAMPAIGN	50	10

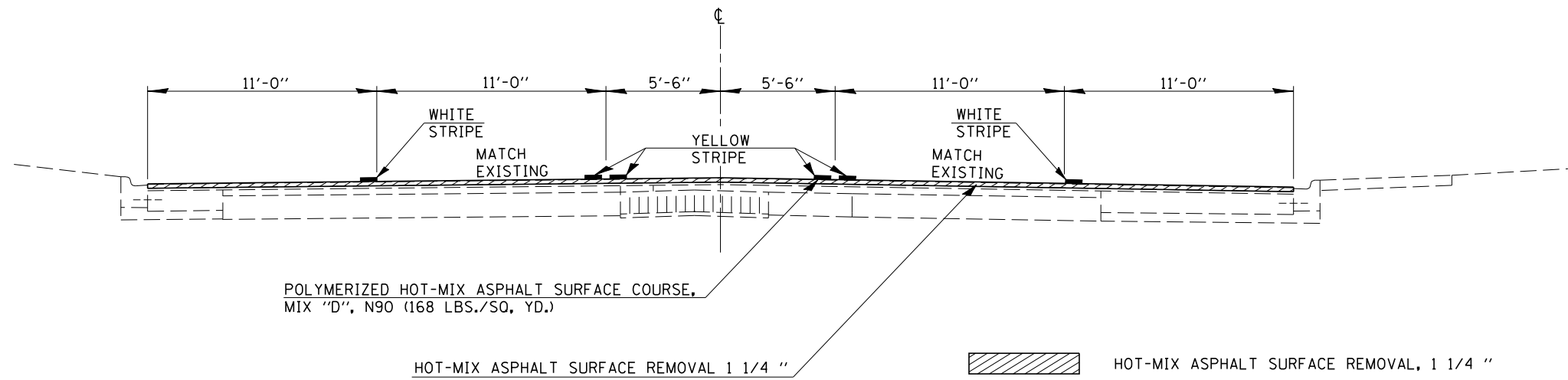
PROPOSED TYPICAL CROSS SECTION ①

STATION 24+60.00 TO STATION 29+88.00 ②



PROPOSED TYPICAL CROSS SECTION ②

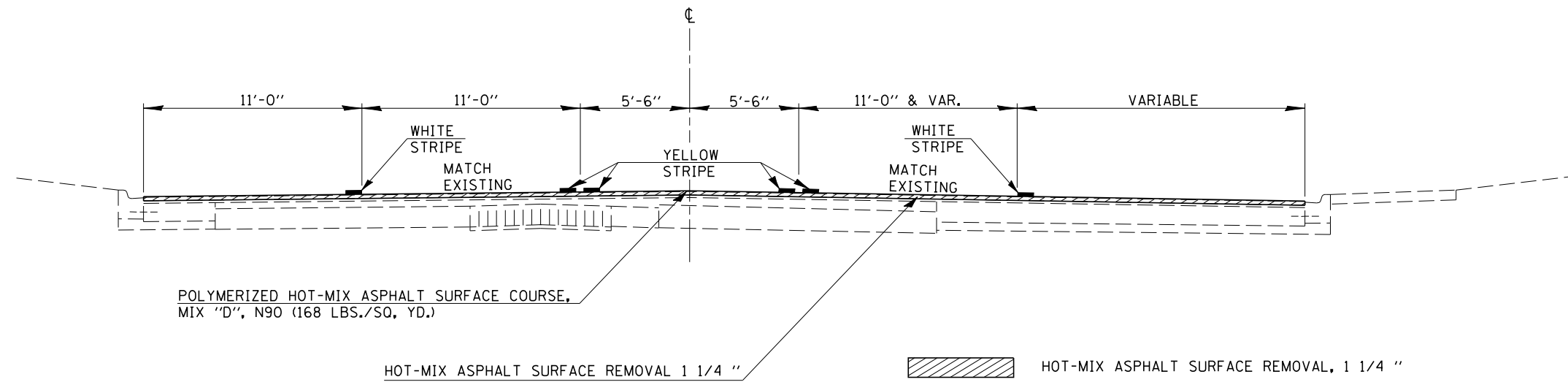
① STATION 29+88.00 TO STATION 32+87.71 BK =
STATION 32+87.69 AH TO STATION 36+63.92 ③



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R1RS	CHAMPAIGN	50	11

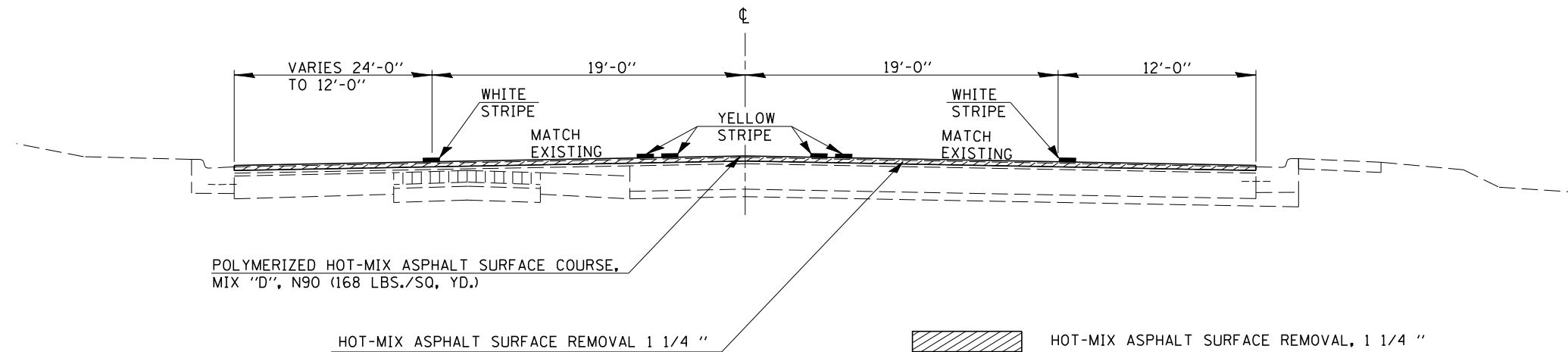
PROPOSED TYPICAL CROSS SECTION 3

② STATION 36+63.92 TO STATION 40+00.00 ④



PROPOSED TYPICAL CROSS SECTION 4

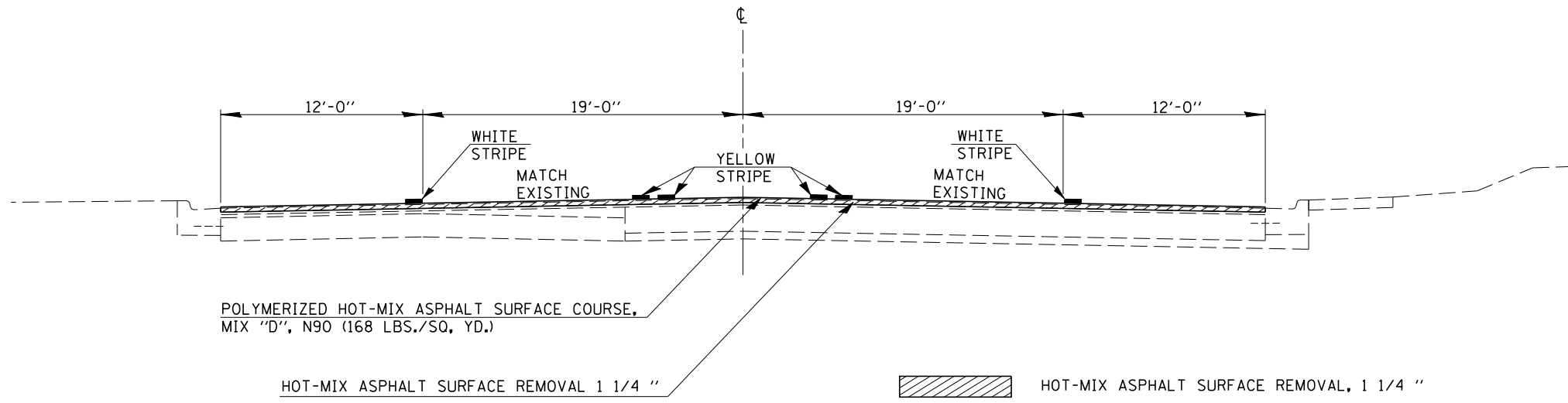
③ STATION 40+00.00 TO STATION 43+44.73 BK =
 STATION 43+44.41 AH TO STATION 47+12.10 BK =
 STATION 47+12.24 AH TO STATION 60+61.22 BK =
 STATION 60+61.26 AH TO STATION 68+00.00 ⑤



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R1RS	CHAMPAIGN	50	12

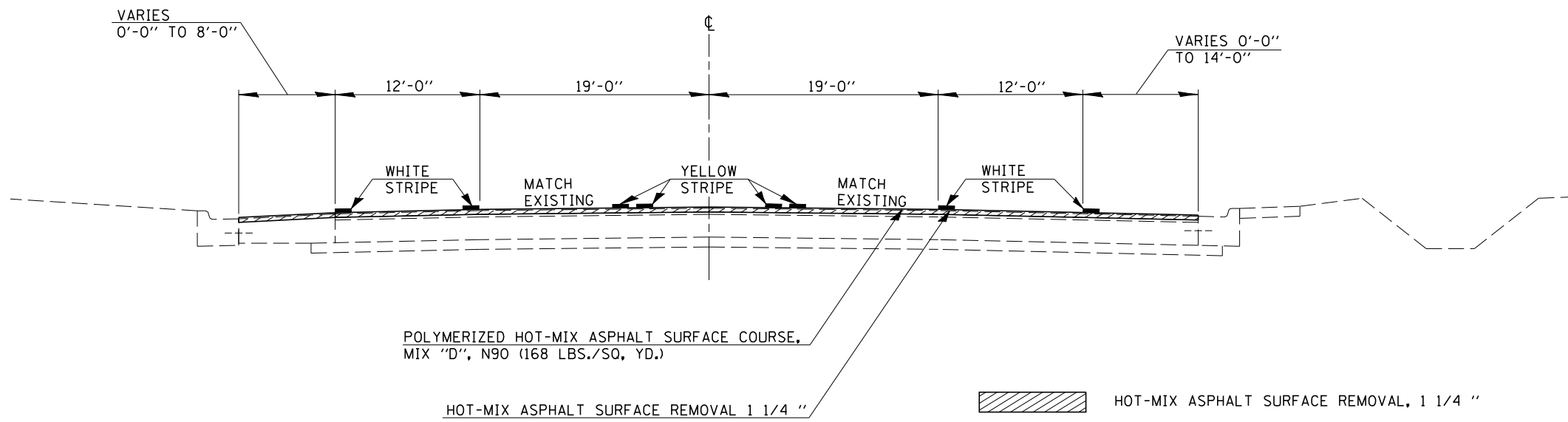
PROPOSED TYPICAL CROSS SECTION 5

④ STATION 68+00.00 TO STATION 74+27.45 ⑥



PROPOSED TYPICAL CROSS SECTION 6

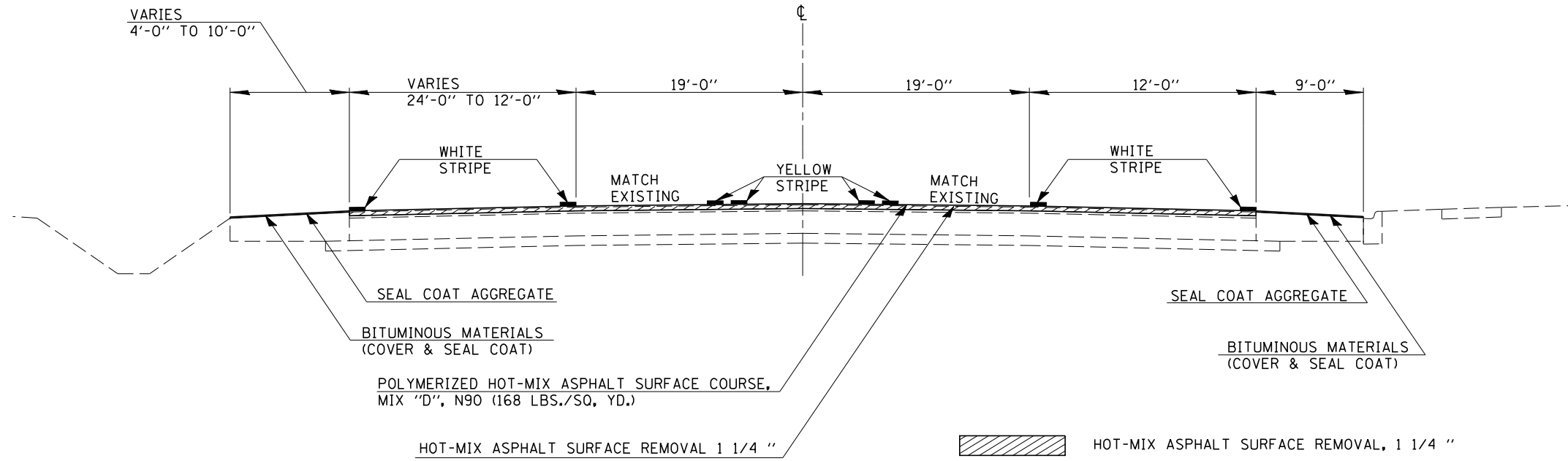
⑤ STATION 74+27.45 TO STATION 80+00.00 ⑦



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R1RS	CHAMPAIGN	50	13

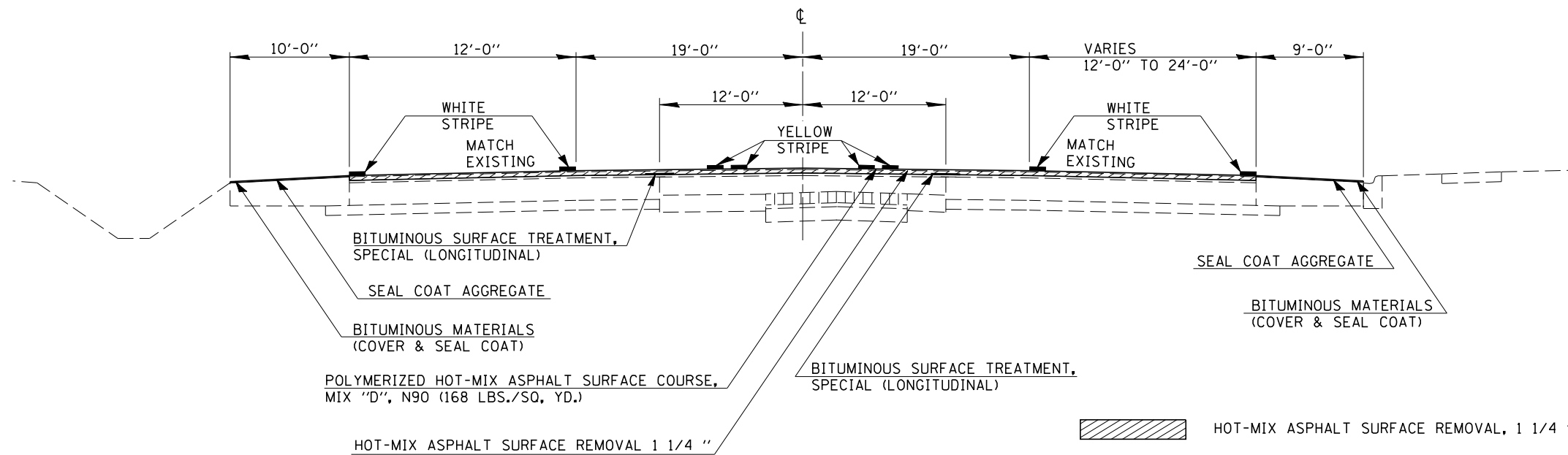
PROPOSED TYPICAL CROSS SECTION 7

⑥ STATION 80+00.00 TO STATION 81+35.27 BK =
STATION 81+35.00 AH TO STATION 85+00.00 ⑧



PROPOSED TYPICAL CROSS SECTION 8

⑦ STATION 85+00.00 TO STATION 135+00.00



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125RIRS	CHAMPAIGN	50	14

TABULATION OF MAINLINE RESURFACING QUANTITIES									
LOCATION	AVERAGE TOTAL ROADWAY WIDTH		LENGTH	AREA	44000005	40600100	40600300	40603545	
					HMA SURFACE REMOVAL	BITUMINOUS MATERIALS PRIME COAT	AGGREGATE MATERIALS PRIME COAT	POLYMERIZED HMA SURFACE COURSE MIX "D", N90	
	FT		FT	SQ YD	SQ YD	GALLON	TON	TON	
STA. 24 + 60 TO 25 + 60	71.8	100.0	797.2	797.2	79.7	1.6	67.0		
STA. 25 + 60 TO 28 + 00	67.3	240.0	1,793.3	1,793.3	179.3	3.6	150.6		
STA. 28 + 00 TO 30 + 00	58.0	200.0	1,288.9	1,288.9	128.9	2.6	108.3		
STA. 30 + 00 TO 39 + 10	55.0	910.5	5,564.0	5,564.0	556.4	11.1	467.4		
STA. 39 + 10 TO 40 + 59	64.5	148.8	1,066.5	1,066.5	106.7	2.1	89.6		
STA. 40 + 59 TO 41 + 59	74.0	100.0	822.2	822.2	82.2	1.6	69.1		
STA. 41 + 59 TO 43 + 09	68.0	150.0	1,133.3	1,133.3	113.3	2.3	95.2		
STA. 43 + 09 TO 74 + 27	62.0	3,118.2	21,480.7	21,480.7	2,148.1	43.0	1,804.4		
STA. 74 + 27 TO 75 + 77	69.0	150.0	1,150.0	1,150.0	115.0	2.3	96.6		
STA. 75 + 77 TO 79 + 00	76.0	322.6	2,723.8	2,723.8	272.4	5.4	228.8		
STA. 79 + 00 TO 81 + 00	80.0	200.0	1,777.8	1,777.8	177.8	3.6	149.3		
STA. 81 + 00 TO 82 + 00	79.0	100.0	877.8	877.8	87.8	1.8	73.7		
STA. 82 + 00 TO 83 + 46	68.0	146.0	1,103.1	1,103.1	110.3	2.2	92.7		
STA. 83 + 46 TO 117 + 69	62.0	3,423.2	23,581.9	23,581.9	2,358.2	47.2	1,980.9		
STA. 117 + 69 TO 119 + 19	68.0	150.0	1,133.3	1,133.3	113.3	2.3	95.2		
STA. 119 + 19 TO 122 + 69	74.0	350.0	2,877.7	2,877.7	287.8	5.8	241.7		
STA. 122 + 69 TO 124 + 41	68.0	171.8	1,297.9	1,297.9	129.8	2.6	109.0		
STA. 124 + 41 TO 129 + 99	62.0	557.8	3,842.6	3,842.6	384.3	7.7	322.8		
STA. 129 + 99 TO 131 + 49	68.0	150.0	1,133.3	1,133.3	113.3	2.3	95.2		
STA. 131 + 49 TO 132 + 49	74.0	100.0	822.2	822.2	82.2	1.6	69.1		
STA. 132 + 49 TO 135 + 00	74.0	251.3	2,065.8	2,065.8	206.6	4.1	173.5		
GRAND TOTALS =					78,333.0	7,833.0	157.0	6,580.0	

TABULATION OF INCIDENTAL RESURFACING QUANTITIES				
LOCATION	44000196	40800010	40800030	40800050
	HMA SURFACE REMOVAL SPECIAL	BITUMINOUS MATERIALS PRIME COAT	AGGREGATE MATERIALS PRIME COAT	INCIDENTAL HMA SURFACING
	1 1/4"	TON	TON	1 1/2"
	SQ YD	TON	TON	TON
KIRBY AVE.	1011.96	101.20	2.02	85.00
FLORIDA AVE.	852.12	85.21	1.70	71.58
ST. MARY'S RD.	496.82	49.68	0.99	41.73
FOX DR.	430.67	43.07	0.86	36.18
DEVONSHIRE DR.	604.80	60.48	1.21	50.80
KNOLLWOOD DR.	612.64	61.26	1.23	51.46
WINDSOR RD. (E)	622.76	62.28	1.25	52.31
WINDSOR RD. (W)	629.40	62.94	1.26	52.87
COLLEGE PARK CT.	136.70	13.67	0.27	11.48
DUNLAP CT.	120.38	12.04	0.24	10.11
ARBOURS DR.	163.82	16.38	0.33	13.76
BURWASH AVE.	291.91	29.19	0.58	24.52
ARBOUR TOWNE PL.	688.21	68.82	1.34	56.13
CURTIS RD. (E)	478.99	47.90	0.96	40.24
CURTIS RD. (W)	603.09	60.31	1.21	50.66
GRAND-TOTALS =	7,725.0	773.0	16.0	649.0

40600990	
TEMPORARY RAMP	
LOCATION	AREA SQ YD
24+60	32.7
KIRBY AVE.	28.0
FLORIDA AVE.	30.3
ST. MARY'S RD.	18.7
FOX DR.	18.7
WINDSOR RD. (WEST)	34.1
WINDSOR RD. (EAST)	33.6
CURTIS RD. (WEST)	18.7
CURTIS RD. (EAST)	18.7
135+00	34.5
TOTAL =	267.9
USE =	268.0

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	(25RIRS)	CHAMPAIGN	50	15

SCHEDULE OF QUANTITIES

TABULATION OF PARTIAL DEPTH PAVEMENT PATCHING							
STATION	DIRECTION	LANE	LENGTH	WIDTH	EXISTING OVERLAY THICKNESS	PARTIAL DEPTH REMOVAL X4401705 (SQ. YD.)	PARTIAL DEPTH PATCHING X442100 (TON)
			(FOOT)	(FOOT)	(INCH)		
31+30	NB	PASS	10	12	3	13.3	4.5
31+30	NB	CL	8	12	3	10.7	3.6
38+22	NB	PASS	10	12	3	13.3	4.5
38+22	NB	DRIV	10	12	3	13.3	4.5
41+41	NB	PASS	6	12	3	8.0	2.7
41+41	NB	DRIV	6	12	3	8.0	2.7
46+82	NB	DRIV	85	6	3	56.7	19.0
46+97	NB	DRIV	10	12	3	13.3	4.5
47+07	NB	DRIV	10	12	3	13.3	4.5
48+68	NB	DRIV	20	6	3	13.3	4.5
50+50	NB	DRIV	50	6	3	33.3	11.2
50+67	NB	PASS	10	12	3	13.3	4.5
50+67	NB	DRIV	12	12	3	16.0	5.4
51+35	NB	DRIV	25	6	3	16.7	5.6
51+65	NB	PASS	6	12	3	8.0	2.7
51+65	NB	DRIV	6	12	3	8.0	2.7
52+00	NB	PASS	8	12	3	10.7	3.6
52+00	NB	DRIV	8	12	3	10.7	3.6
54+66	NB	PASS	4	12	3	5.3	1.8
54+66	NB	DRIV	4	12	3	5.3	1.8
55+02	NB	DRIV	15	6	3	10.0	3.4
58+33	NB	DRIV	20	6	3	13.3	4.5
59+70	NB	DRIV	8	12	3	10.7	3.6
60+27	NB	DRIV	6	12	3	8.0	2.7
60+79	NB	DRIV	4	12	3	5.3	1.8
61+69	NB	PASS	8	12	3	10.7	3.6
61+69	NB	DRIV	8	12	3	10.7	3.6
61+97	NB	PASS	8	12	3	10.7	3.6
61+97	NB	DRIV	8	12	3	10.7	3.6
62+56	NB	DRIV	6	12	3	8.0	2.7
62+89	NB	DRIV	4	12	3	5.3	1.8
65+20	NB	PASS	10	12	3	13.3	4.5
65+20	NB	DRIV	10	12	3	13.3	4.5
66+35	NB	DRIV	8	12	3	10.7	3.6
66+81	NB	DRIV	6	12	3	8.0	2.7
69+06	NB	PASS	6	12	3	8.0	2.7
69+06	NB	DRIV	6	12	3	8.0	2.7
70+46	NB	PASS	8	12	3	10.7	3.6
70+46	NB	DRIV	12	12	3	16.0	5.4
73+10	NB	PASS	6	12	3	8.0	2.7
73+10	NB	DRIV	6	12	3	8.0	2.7
73+91	NB	PASS	6	12	3	8.0	2.7
73+91	NB	DRIV	6	12	3	8.0	2.7
74+07	NB	PASS	5	12	3	6.7	2.2
74+07	NB	DRIV	5	12	3	6.7	2.2
SUB-TOTALS						527.3 (SQ. YD.)	177.2 (TON)

TABULATION OF PARTIAL DEPTH PAVEMENT PATCHING							
STATION	DIRECTION	LANE	LENGTH	WIDTH	EXISTING OVERLAY THICKNESS	PARTIAL DEPTH REMOVAL X4401705 (SQ. YD.)	PARTIAL DEPTH PATCHING X442100 (TON)
			(FOOT)	(FOOT)	(INCH)		
74+71	NB	PASS	4	12	3	5.3	1.8
74+71	NB	DRIV	4	12	3	5.3	1.8
75+32	NB	PASS	4	12	3	5.3	1.8
75+32	NB	DRIV	4	12	3	5.3	1.8
75+72	NB	PASS	4	12	3	5.3	1.8
75+72	NB	DRIV	4	12	3	5.3	1.8
77+06	NB	PASS	4	12	3	5.3	1.8
77+06	NB	DRIV	4	12	3	5.3	1.8
78+00	NB	PASS	4	12	3	5.3	1.8
78+00	NB	DRIV	4	12	3	5.3	1.8
82+61	NB	PASS	4	12	3	5.3	1.8
85+61	NB	DRIV	4	12	3	5.3	1.8
84+75	NB	PASS	6	12	3	8.0	2.7
84+75	NB	DRIV	6	12	3	8.0	2.7
90+53	NB	PASS	4	12	3	5.3	1.8
90+53	NB	DRIV	4	12	3	5.3	1.8
91+12	NB	PASS	4	12	3	5.3	1.8
91+12	NB	DRIV	4	12	3	5.3	1.8
92+91	NB	PASS	4	12	3	5.3	1.8
92+91	NB	DRIV	4	12	3	5.3	1.8
95+76	NB	PASS	8	12	3	10.7	3.6
95+76	NB	DRIV	8	12	3	10.7	3.6
96+43	NB	PASS	4	12	3	5.3	1.8
96+43	NB	DRIV	4	12	3	5.3	1.8
97+74	NB	PASS	4	12	3	5.3	1.8
97+74	NB	DRIV	4	12	3	5.3	1.8
99+00	NB	PASS	4	12	3	5.3	1.8
99+00	NB	DRIV	4	12	3	5.3	1.8
110+12	NB	PASS	4	12	3	5.3	1.8
110+12	NB	DRIV	4	12	3	5.3	1.8
110+88	NB	PASS	4	12	3	5.3	1.8
110+88	NB	DRIV	4	12	3	5.3	1.8
111+64	NB	PASS	4	12	3	5.3	1.8
111+64	NB	DRIV	4	12	3	5.3	1.8
120+15	NB	PASS	4	12	3	5.3	1.8
120+15	NB	DRIV	4	12	3	5.3	1.8
SUB-TOTALS						208.0 (SQ. YD.)	69.9 (TON)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R1RS	CHAMPAIGN	50	16

SCHEDULE OF QUANTITIES

TABULATION OF PARTIAL DEPTH PAVEMENT PATCHING

STATION	DIRECTION	LANE	LENGTH (FOOT)	WIDTH (FOOT)	EXISTING OVERLAY THICKNESS (INCH)	PARTIAL DEPTH REMOVAL X4401705 (SQ. YD.)	PARTIAL DEPTH PATCHING X442100 (TON)
27+64	SB	DRIV	10	12	3	13.3	4.5
31+30	SB	PASS	6	12	3	8.0	2.7
31+70	SB	DRIV	20	12	3	26.7	9.0
35+36	SB	DRIV	25	12	3	33.3	11.2
38+22	SB	PASS	6	12	3	8.0	2.7
38+22	SB	DRIV	6	12	3	8.0	2.7
50+67	SB	PASS	8	12	3	10.7	3.6
50+67	SB	DRIV	8	12	3	10.7	3.6
50+67	SB	CL	8	12	3	10.7	3.6
54+66	SB	PASS	4	12	3	5.3	1.8
54+66	SB	DRIV	4	12	3	5.3	1.8
54+66	SB	CL	4	12	3	5.3	1.8
55+02	SB	PASS	8	12	3	10.7	3.6
55+02	SB	CL	8	12	3	10.7	3.6
60+40	SB	PASS	4	12	3	5.3	1.8
60+40	SB	DRIV	4	12	3	5.3	1.8
60+79	SB	PASS	4	12	3	5.3	1.8
60+79	SB	DRIV	4	12	3	5.3	1.8
61+69	SB	PASS	4	12	3	5.3	1.8
61+69	SB	DRIV	4	12	3	5.3	1.8
61+69	SB	CL	4	12	3	5.3	1.8
61+97	SB	PASS	8	12	3	10.7	3.6
61+97	SB	DRIV	8	12	3	10.7	3.6
61+97	SB	CL	8	12	3	10.7	3.6
62+95	SB	PASS	4	12	3	5.3	1.8
62+95	SB	DRIV	4	12	3	5.3	1.8
65+20	SB	PASS	4	12	3	5.3	1.8
65+20	SB	DRIV	4	12	3	5.3	1.8
73+91	SB	PASS	6	12	3	8.0	2.7
73+91	SB	DRIV	6	12	3	8.0	2.7
73+91	SB	CL	6	12	3	8.0	2.7
75+72	SB	PASS	4	12	3	5.3	1.8
75+72	SB	DRIV	4	12	3	5.3	1.8
75+72	SB	CL	4	12	3	5.3	1.8
84+75	SB	PASS	6	12	3	8.0	2.7
84+75	SB	DRIV	6	12	3	8.0	2.7
84+75	SB	CL	6	12	3	8.0	2.7
96+43	SB	PASS	4	12	3	5.3	1.8
96+43	SB	DRIV	4	12	3	5.3	1.8
112+29	SB	PASS	4	12	3	5.3	1.8
112+29	SB	DRIV	4	12	3	5.3	1.8
112+29	SB	CL	4	12	3	5.3	1.8
SUB-TOTALS						348.0 (SQ. YD.)	116.9 (TON)
FINAL TOTALS						1083.3 (SQ. YD.)	364.0 (TON)
USE						1084.0 (SQ. YD.)	364.0 (TON)

40300300

BITUMINOUS MATERIALS (COVER AND SEAL COATS)

STA.	TO	STA.	LENGTH	WIDTH	AREA	GALLON
80+00.0	TO	80+96.2	96.2	13.0	139.0	34.8
80+96.0	TO	83+46.0	250.0	16.0	444.4	111.1
83+46.0	TO	99+28.1	1582.1	19.0	3340.0	835.0
99+28.1	TO	133+00.0	3371.9	19.0	7118.4	1,779.6
134+00.0	TO	135+00.0	100.0	13.0	144.4	36.1
TOTAL =					2796.5	
USE =					2797.0	

40300600

SEAL COAT AGGREGATE

STA.	TO	STA.	LENGTH	WIDTH	AREA	TON
80+00.0	TO	80+96.2	96.2	13.0	139.0	1.1
80+96.0	TO	83+46.0	250.0	16.0	444.4	3.6
83+46.0	TO	99+28.1	1582.1	19.0	3340.0	26.7
99+28.1	TO	133+00.0	3371.9	19.0	7118.4	56.9
134+00.0	TO	135+00.0	100.0	13.0	144.4	1.2
TOTAL =					89.5	
USE =					90.0	

44001700

COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT

STA.	O/S	FOOT
27+95.0	RT	20.0
TOTAL =		20.0

MANHOLE ADJUST

STA.	O/S	EACH
26+57.0	RT	1.0
40+18.0	RT	1.0
40+45.0	RT	1.0
41+37.0	RT	1.0
114+36.0	RT	1.0
123+80.0	RT	1.0
133+17.0	LT	1.0
133+67.0	RT	1.0
TOTAL =		8.0

78000100

THERMOPLASTIC PAVEMENT MARKINGS - LETTERS & SYMBOLS

LEFT TURN ARROWS	
STA.	SQ. FT.
24+83.0	15.6
25+39.0	15.6
25+95.0	15.6
27+41.0	15.6
28+01.0	15.6

LEFT TURN ARROWS (CONT'D)

28+61.0	15.6	
29+21.0	15.6	
38+32.0	15.6	
39+12.0	15.6	
40+82.0	15.6	
41+36.0	15.6	
41+89.0	15.6	
55+81.0	15.6	
56+61.0	15.6	
58+27.0	15.6	
59+07.0	15.6	
68+66.0	15.6	
69+46.0	15.6	
70+87.0	15.6	
71+67.0	15.6	
77+14.0	15.6	
77+80.0	15.6	
78+47.0	15.6	
79+14.0	15.6	
80+94.0	15.6	
81+51.0	15.6	
82+07.0	15.6	
82+64.0	15.6	
115+26.7	15.6	
116+06.7	15.6	
124+02.0	15.6	
124+55.0	15.6	
125+12.0	15.6	
131+85.0	15.6	
132+65.0	15.6	
134+05.0	15.6	
134+85.0	15.6	
KIRBY AVE.		
0+72.4	15.6	
FLORIDA AVE.		
0+76.8	15.6	
ST. MARY'S		
0+70.1	15.6	
FOX DR.		
0+74.2	15.6	
DEVONSHIRE DR.		
0+91.0	15.6	
KNOLLWOOD DR.		
0+42.0	15.6	
WINDSOR RD. (E)		
10+78.3	15.6	
WINDSOR RD. (W)		
9+18.8	15.6	
ARBOUR TOWNE PL.		
0+69.0	15.6	
CURTIS RD. (E)		
15+80.0	15.6	
CURTIS RD. (W)		
14+20.0	15.6	
SUB-TOTAL =		748.8

SCHEDULE OF QUANTITIES

RIGHT TURN ARROWS

US 45	STA.	SQ. FT.
	25+13.0	15.6
	25+95.0	15.6
	40+82.0	15.6
	41+59.3	15.6
	75+77.5	15.6
	76+62.0	15.6
	77+46.0	15.6
	78+30.0	15.6
	79+14.0	15.6
	80+94.0	15.6
	81+45.0	15.6
	81+96.0	15.6
	112+87.9	15.6
	113+37.9	15.6
	113+87.9	15.6
	119+19.2	15.6
	120+00.0	15.6
	120+90.0	15.6
	121+75.0	15.6
	122+60.0	15.6
	131+48.7	15.6
	132+07.0	15.6
	132+65.0	15.6
	134+05.0	15.6
	134+65.0	15.6
FLORIDA AVE.		
	0+80.8	15.6
KIRBY AVE.		
	0+80.8	15.6
DEVONSHIRE DR.		
	0+91.0	15.6
WINDSOR RD. (E)		
	10+80.3	15.6
WINDSOR RD. (W)		
	9+16.7	15.6
ARBOUR TOWNE PL.		
	0+68.0	15.6
SUB-TOTAL = 483.6		

DUAL LEFT TURN ARROWS

STA.	SQ. FT.
30+11.0	31.2
32+54.0	31.2
34+97.0	31.2
37+42.0	31.2
43+19.0	31.2
45+53.4	31.2
47+87.8	31.2
50+22.2	31.2
52+56.0	31.2
54+91.0	31.2

DUAL LEFT TURN ARROWS (CONT'D)

59+97.0	31.2
61+97.8	31.2
63+86.5	31.2
65+81.3	31.2
67+76.0	31.2
72+57.0	31.2
73+95.5	31.2
75+34.0	31.2
84+40.0	31.2
86+12.6	31.2
87+85.3	31.2
89+26.7	31.2
91+13.2	31.2
93+00.0	31.2
94+86.7	31.2
96+24.7	31.2
98+34.2	31.2
100+43.6	31.2
102+53.1	31.2
104+62.5	31.2
106+72.0	31.2
108+19.2	31.2
110+04.8	31.2
111+90.3	31.2
113+75.9	31.2
116+96.7	31.2
118+80.5	31.2
120+64.2	31.2
122+48.0	31.2
126+92.0	31.2
128+08.5	31.2
130+25.0	31.2
SUB-TOTAL = 1310.4	

RAILROAD "X"	STA.	SQ. FT.
CURTIS RD. (E)	15+76.0	54.0
RAILROAD "R"	15+76.0	7.2
SUB-TOTAL = 61.2		
GRAND TOTAL = 2604.0		

78000200 THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW (SKIP-DASH)

US 45	STA.	TO	STA.	O/S	O/S	FOOT
	29+81.0	TO	37+72.0	5.0' RT &	5.0' LT	400.0
	42+89.0	TO	55+21.0	6.5' RT &	6.5' LT	620.0
	59+67.0	TO	68+06.0	6.5' RT &	6.5' LT	420.0
	72+27.0	TO	75+64.0	6.5' RT &	6.5' LT	180.0
	84+10.0	TO	88+15.3	6.5' RT &	6.5' LT	200.0
	88+96.7	TO	95+16.7	6.5' RT &	6.5' LT	320.0
	95+94.3	TO	107+02.0	6.5' RT &	6.5' LT	560.0
	107+89.2	TO	114+07.9	6.5' RT &	6.5' LT	320.0

4" SKIP-DASH YELLOW (CONT'D)

116+66.7	TO	122+80.0	6.5' RT &	6.5' LT	300.0
125+62.0	TO	130+64.0	6.5' RT &	6.5' LT	260.0
SUB-TOTAL = 3,580.0					

THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW (SOLID)

US 45	STA.	TO	STA.	O/S	O/S	FOOT
	29+81.0	TO	37+72.0	5.5' RT &	5.5' LT	1,582.0
	42+89.0	TO	55+21.0	7.0' RT &	7.0' LT	2,464.0
	59+67.0	TO	68+06.0	7.0' RT &	7.0' LT	1,678.0
	72+27.0	TO	75+64.0	7.0' RT &	7.0' LT	674.0
	84+10.0	TO	88+15.3	7.0' RT &	7.0' LT	810.5
	88+96.7	TO	95+16.7	7.0' RT &	7.0' LT	1,240.0
	95+94.3	TO	107+02.0	7.0' RT &	7.0' LT	2,215.4
	107+89.2	TO	114+07.9	7.0' RT &	7.0' LT	1,237.3
	116+66.7	TO	122+80.0	7.0' RT &	7.0' LT	1,226.6
	125+62.0	TO	130+64.0	7.0' RT &	7.0' LT	1,004.0
KIRBY AVE.						
	0+51.4	TO	1+13.3	3.5' RT &	10.2' RT	123.8
FLORIDA AVE.						
	0+52.7	TO	1+06.9	1.6' RT &	7.0' RT	108.4
WINDSOR RD. (E)						
	10+60.3	TO	10+97.4	C.L.	2.1' LT	37.1
WINDSOR RD. (E)						
	10+60.3	TO	11+12.3	3.5' RT		52.0
BURWASH AVE.						
	0+51.80	TO	0+73.5	2.1' RT &	2.1' LT	43.3
ARBOUR TOWNE PL.						
	0+46.20	TO	1+16.6			140.7
SUB-TOTAL = 14,637.2						

THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW (DOUBLE)

US 45	STA.	TO	STA.	O/S	O/S	FOOT
	24+60.0	TO	26+13.0	5.5' LT		306.0
	27+23.0	TO	29+81.0	5.5' RT		516.0
	37+72.0	TO	39+30.0	5.5' LT		316.0
	40+64.0	TO	42+89.0	7.0' RT		450.0
	55+21.0	TO	56+79.0	7.0' LT		316.0
	58+09.0	TO	59+67.0	7.0' RT		316.0
	68+06.0	TO	69+64.0	7.0' LT		316.0
	70+69.0	TO	72+27.0	7.0' RT		316.0
	75+64.0	TO	79+34.0	7.0' LT		740.0
	80+76.0	TO	84+10.0	7.0' RT		668.0
	115+08.7	TO	116+66.7	7.0' RT		316.0
	123+84.0	TO	125+62.0	7.0' RT		356.0
	130+55.0	TO	132+83.0	7.0' LT		456.0
	133+87.0	TO	135+00.0	7.0' RT		226.0
ST. MARY'S RD.						
	0+52.1	TO	1+11.2	C.L.		118.2
FOX DR.						
	0+56.2	TO	0+92.8	9.0' RT		73.1
DEVONSHIRE DR.						
	0+73.0	TO	1+20.6	C.L.		95.2

4" DOUBLE YELLOW (CONT'D)

KNOLLWOOD DR.						
	7+12.5	TO	7+60.0	C.L.	95.0	
WINDSOR AVE. (W)						
	9+12.6	TO	9+36.8	6.0' LT &	12.0' LT	48.5
CURTIS RD. (E)						
	15+62.0	TO	16+19.3	6.0' RT		114.6
CURTIS RD. (W)						
	13+87.0	TO	14+38.0	4.0' LT		102.0
SUB-TOTAL = 6260.6						

THERMOPLASTIC PAVEMENT MARKING - 4" WHITE (SKIP-DASH)

US 45	STA.	TO	STA.	O/S	O/S	FOOT
	24+60.0	TO	26+13.0	16.0' RT &	16.0' LT	80.0
	27+23.0	TO	39+30.0	19.0' RT &	19.0' LT	600.0
	40+62.0	TO	56+79.0	19.0' RT &	19.0' LT	820.0
	58+09.0	TO	69+64.0	19.0' RT &	19.0' LT	580.0
	70+67.0	TO	79+32.0	19.0' RT &	19.0' LT	440.0
	80+76.0	TO	88+15.3	19.0' RT &	19.0' LT	380.0
	88+96.7	TO	95+16.7	19.0' RT &	19.0' LT	320.0
	95+94.7	TO	107+02.0	19.0' RT &	19.0' LT	560.0
	107+89.2	TO	114+07.9	19.0' RT &	19.0' LT	320.0
	115+08.7	TO	122+80.0	19.0' RT &	19.0' LT	400.0
	123+84.0	TO	132+83.0	19.0' RT &	19.0' LT	460.0
	133+85.0	TO	135+00.0	19.0' RT &	19.0' LT	60.0
KIRBY AVE.						
	0+58.8	TO	1+06.9	21.9' RT		10.0
FLORIDA AVE.						
	0+58.8	TO	1+06.9	22.0' LT		10.0
DEVONSHIRE DR.						
	0+73.0	TO	1+20.6	11.0' RT		20.0
WINDSOR RD. (E)						
	10+60.3	TO	10+97.4	31.0' LT		10.0
	10+60.3		11+12.4	16.7' RT		10.0
WINDSOR RD. (W)						
	9+12.6	TO	9+36.8	24.0' RT		10.0
	8+96.1	TO	9+36.8	30.2' LT		10.0
SUB-TOTAL = 5,100.0						

THERMOPLASTIC PAVEMENT MARKING - 4" WHITE (SOLID)

US 45	STA.	TO	STA.	O/S	FOOT
	24+60.0	TO	26+13.0	5.5' RT	153.0
	25+13.0	TO	26+13.0	27.5' RT	100.0
	27+23.0	TO	29+21.0	5.0' LT	198.0
	38+32.0	TO	39+30.0	5.5' RT	98.0
	40+64.0	TO	41+89.0	7.0' RT	125.0
	40+64.0	TO	41+59.3	31.0' LT	95.3
	55+81.0	TO	56+79.0	7.0' RT	98.0
	58+09.0	TO	59+07.0	7.0' LT	98.0
	68+66.0	TO	69+64.0	7.0' RT	98.0
	70+69.0	TO	71+67.0	7.0' LT	98.0
	75+77.5	TO	79+32.0	31.0' RT	354.6
	76+10.0	TO	79+32.0	31.0' LT	322.0
	77+14.0	TO	79+32.0	7.0' RT	218.0
	80+76.0	TO	81+96.0	31.0' LT	120.0
	80+76.0	TO	82+64.0	7.0' LT	188.0

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R1RS	CHAMPAIGN	50	18

SCHEDULE OF QUANTITIES

4" SOLID WHITE (CONT'D)

80+98.0	TO	88+13.3	30.7' RT	715.3
88+96.7	TO	95+16.7	30.7' RT	620.0
112+87.9	TO	114+05.9	31.0' RT	118.0
115+08.7	TO	116+06.7	7.0' RT	98.0
119+19.2	TO	122+80.0	31.0' RT	360.8
123+84.0	TO	125+12.0	7.0' RT	128.0
131+48.7	TO	132+84.0	31.0' RT	135.3
131+85.0	TO	132+83.0	7.0' RT	98.0
133+85.0	TO	135+00.0	31.0' LT	115.0
133+87.0	TO	134+85.0	7.0' LT	98.0
80+76.0	TO	132+10.0	30.7' LT	5134.0
134+23.4	TO	135+00.0	30.7' LT	76.6
95+89.9	TO	107+02.0	30.7' RT	1112.1
107+90.0	TO	112+87.9	30.7' RT	497.9
114+90.0	TO	123+30.0	30.7' RT	840.0
123+82.0	TO	132+48.7	30.7' RT	866.7
134+68.7	TO	135+00.0	30.7' RT	31.3

FLORIDA AVE.				
0+58.8	TO	0+78.9	10.5' RT	20.1
KIRBY AVE.				
0+54.4	TO	1+13.3	7.3' LT	58.9
0+54.4	TO	1+13.3	18.3' LT	58.9
ST. MARY'S RD.				
0+52.1	TO	1+11.2	11.0' LT	59.1
FOX DR.				
0+56.2	TO	0+92.8	4.0' LT	36.6
DEVONSHIRE DR.				
0+73.0	TO	1+20.6	11.0' LT	47.6
KNOLLWOOD DR.				
7+12.5	TO	7+60.0	11.5' LT	47.5
WINDSOR RD. (E)				
10+60.3	TO	10+97.4	42.8' LT	37.1
WINDSOR RD. (W)				
9+12.6	TO	9+36.8	36.0' RT	24.2
BURWASH				
0+60.0	TO	0+73.5	12.0' LT	13.5
ARBOUR TOWNE PL.				
0+90.6	TO	1+16.6	14.0' RT	26.0
0+90.6	TO	1+16.6	14.0' LT	26.0
CURTIS RD. (E)				
15+62.0	TO	15+90.7	6.0' LT	28.7
CURTIS RD. (W)				
13+87.0	TO	14+38.0	8.0' RT	51.0
SUB-TOTAL = 13,944.0				

THERMOPLASTIC PAVEMENT MARKING - 4" WHITE (DOUBLE)

STA.	TO	STA.	O/S	O/S	FOOT
WINDSOR AVE. (E)					
10+60.3	TO	10+97.4	12.0' LT	15.5' LT	74.1
10+60.3	TO	10+97.4	18.3' LT		74.1
WINDSOR RD. (W)					
9+12.6	TO	9+36.8	6.0' RT	12.0' RT	48.5
SUB-TOTAL = 196.7					
GRAND TOTAL = 43,718.5					
USE = 43,719.0					

78000400**THERMOPLASTIC PAVEMENT MARKING - 6" WHITE (CROSS-WALK)**

US 45		
STA.	TO	FOOT
26+19.0		112.5
26+25.0		112.5
27+12.0		96.0
27+17.0		96.0
70+57.0		81.0
70+63.0		81.0
80+64.0		104.0
80+70.0		104.0
132+89.0		108.5
132+95.0		108.5
FLORIDA AVE.		
0+46.8		108.1
0+52.8		106.8
KIRBY AVE.		
0+42.4		106.0
0+48.4		102.7
FOX DR.		
0+44.2		78.0
0+50.2		65.8
DEVONSHIRE DR.		
0+61.0		60.0
0+67.0		54.0
KNOLLWOOD DR.		
6+45.7		74.3
6+51.7		85.0
WINDSOR RD. (W)		
9+41.0		118.5
9+47.0		121.2
CURTIS RD. (W)		
14+44.0		98.5
14+50.0		98.5
SUB-TOTAL = 2281.4		

THERMOPLASTIC PAVEMENT MARKING - 6" WHITE (RAILROAD CROSSING)

CURTIS RD. (E)			
STA.	TO	STA.	FOOT
15+62.0	TO	15+90.7	345.0
SUB-TOTAL = 345.0			

THERMOPLASTIC PAVEMENT MARKING - 6" WHITE (MEDIAN)

ARBOUR TOWNE PL.				
STA.	TO	STA.	O/S	FOOT
0+33.1	TO	0+88.8	LT	153.3
0+29.4	TO	0+80.5	RT	172.6
SUB-TOTAL = 325.9				
GRAND TOTAL = 2,952.3				
USE = 2593.0				

78000600**THERMOPLASTIC PAVEMENT MARKING - 12" WHITE (DIAGONAL)**

ARBOUR TOWNE PL.				
STA.	TO	STA.	O/S	FOOT
0+33.1	TO	0+88.8	LT	67.1
0+29.4	TO	0+80.5	RT	62.2
WINDSOR AVE. (E)				
10+60.3	TO	10+97.4	LT	12.0
WINDSOR RD. (W)				
9+12.6	TO	9+36.8	RT	8.0
SUB-TOTAL = 149.3				

THERMOPLASTIC PAVEMENT MARKING - 12" WHITE (DIAGONAL)

WINDSOR RD. (W)				
STA.	TO	STA.	O/S	FOOT
9+12.6	TO	9+36.8	LT	8.0
SUB-TOTAL = 8.0				
GRAND TOTAL = 157.3				
USE = 158.0				

78000650**THERMOPLASTIC PAVEMENT MARKING - 24" WHITE (STOP-BAR)**

STA.	FOOT
US 45	
26+15.0	57.0
27+21.0	53.0
39+32.0	33.0
40+62.0	48.0
56+81.0	36.0
58+07.0	36.0
69+64.0	44.0
70+69.0	38.0
79+34.0	59.0
80+74.0	51.0
122+78.0	38.0
123+82.0	38.0
132+85.0	56.0
133+85.0	55.0
KIRBY AVE.	
0+53.0	51.0
FLORIDA AVE.	
0+58.8	55.0
ST. MARY'S RD.	
0+52.1	38.0
FOX DR.	
0+56.2	38.0
DEVONSHIRE DR.	
0+73.0	28.0
KNOLLWOOD DR.	
7+60.0	38.0
WINDSOR RD. (E)	
10+50.0	68.5
WINDSOR RD. (W)	
9+36.5	64.0
BURWASH AVE.	
0+60.0	20.0
ARBOUR TOWNE PL.	
0+51.0	12.0
0+59.8	18.0
CURTIS RD. (W)	
14+38.0	38.0
GRAND-TOTAL = 1,110.5	
USE = 1,110.0	

78100100**RAISED REFLECTIVE PAVEMENT MARKERS**

		TWO-WAY		ONE-WAY
STA.	TO	STA.	AMBER	CRYSTAL
40+62.0	TO	42+89.0	12.0	16.0
42+89.0	TO	54+81.0	60.0	30.0
54+81.0	TO	60+07.0	22.0	17.0
60+07.0	TO	75+64.0	78.0	39.0
75+64.0	TO	84+10.0	38.0	41.0
84+10.0	TO	88+05.0	20.0	10.0
89+05.0	TO	95+09.0	30.0	18.0
96+09.0	TO	106+98.0	55.0	30.0
107+98.0	TO	114+10.0	30.0	18.0
115+07.0	TO	122+80.0	38.0	32.0
123+82.0	TO	131+85.0	40.0	25.0
131+85.0	TO	135+00.0	8.0	28.0
SUB-TOTALS =				304.0
SUB-TOTALS =				431.0
GRAND-TOTAL =				735.0

88600100**DETECTOR LOOPS, TYPE 1**

INTERSECTION	FOOT
KIRBY AVE./FLORIDA AVE.	2087.0
ST. MARY'S/FOX DR.	1147.0
DEVONSHIRE DR.	820.0
WINDSOR RD.	1721.0
CURTIS RD.	1393.0
KNOLLWOOD DR.	847.0
ARBOURTOWNE PL.	865.0
BURWASH AVE.	639.0
TOTAL = 9519.0	

X4033000**SEAL COAT AGGREGATE FM-01 (SPECIAL)**

STA.	TO	STA.	LENGTH	SQ YD	TON
85+00.0	TO	99+28.1	1,428.1	317.4	3.2
99+28.1	TO	135+00.0	3,571.9	793.8	7.9
85+00.0	TO	99+28.1	1,428.1	317.4	3.2
99+28.1	TO	135+00.0	3,571.9	793.8	7.9
TOTAL = 22.2					
USE = 23.0					

X4032500**BITUMINOUS MATERIALS (COVER & SEAL COAT), SPECIAL**

STA.	TO	STA.	LENGTH	SQ YD	GAL
85+00.0	TO	99+28.1	1,428.1	317.4	95.2
99+28.1	TO	135+00.0	3,571.9	793.8	238.1
85+00.0	TO	99+28.1	1,428.1	317.4	95.2
99+28.1	TO	135+00.0	3,571.9	793.8	238.1
TOTAL = 666.7					
USE = 667					

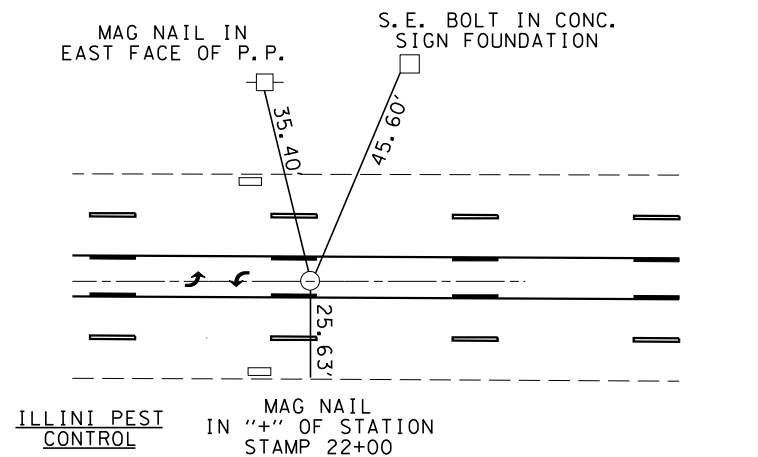
Z0070100**SURVEY MONUMENT COVER ASSEMBLY**

STA.	EACH
61+41.92	1.0
75+10.71	1.0
79+24.53	1.0
85+77.64	1.0
TOTAL = 4.0	

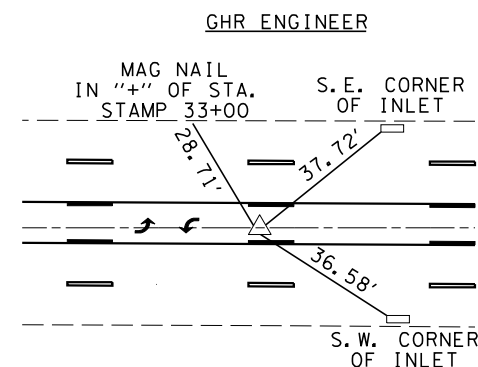
TIE POINT LAYOUT

CONTRACT NO. 70186

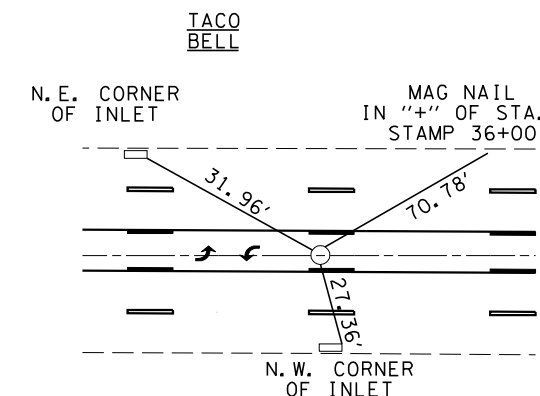
P.O.T. #50 22+00
MAG NAIL



P.I. KINK #52 32+87.71
MAG NAIL

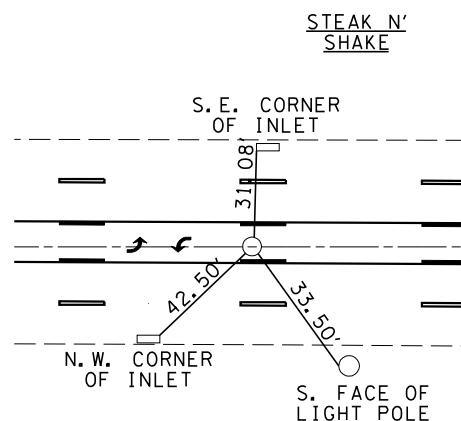


P.C. #53 36+63.94
MAG NAIL

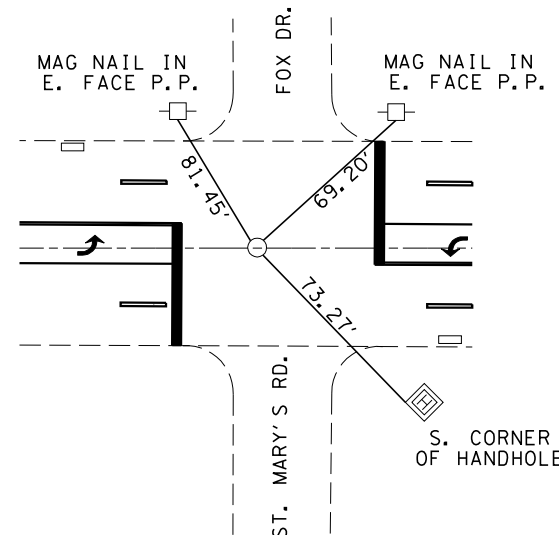


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R1RS	CHAMPAIGN	50	19
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		TO STA.

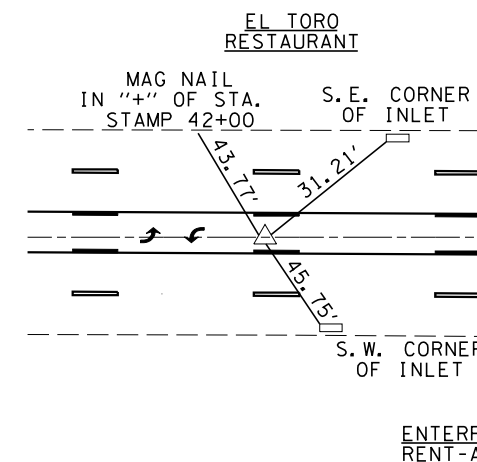
P.I. #54 38+26.49
MAG NAIL



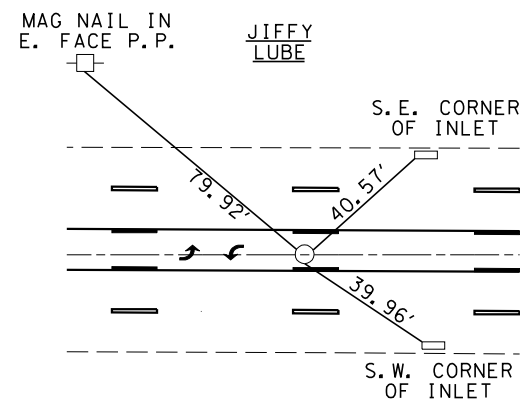
P.R.C. #55 39+88.98
MAG NAIL



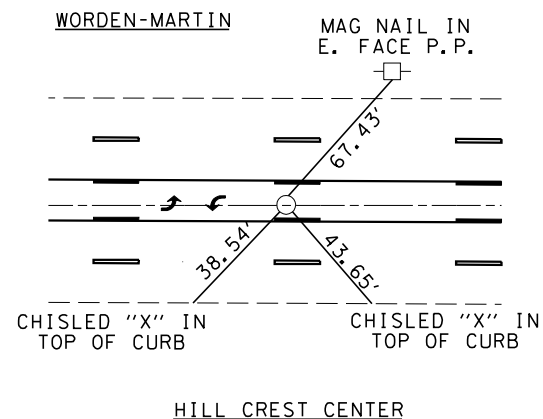
P.I. #56 41+66.90
MAG NAIL



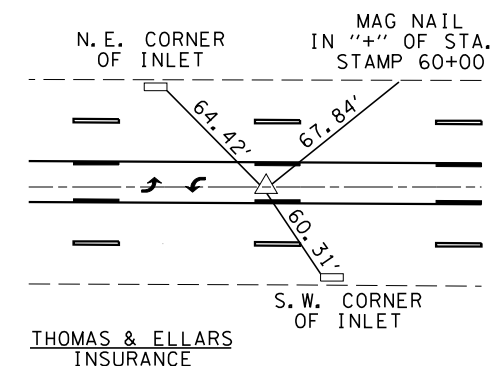
P.T. #57 43+44.74 BK = 43+44.41 AH
MAG NAIL



STA. EQ. #58 & 61
47+11.78 BK = 47+12.28 AH
MAG NAIL



P.I. KINK #59 60+61.25
MAG NAIL



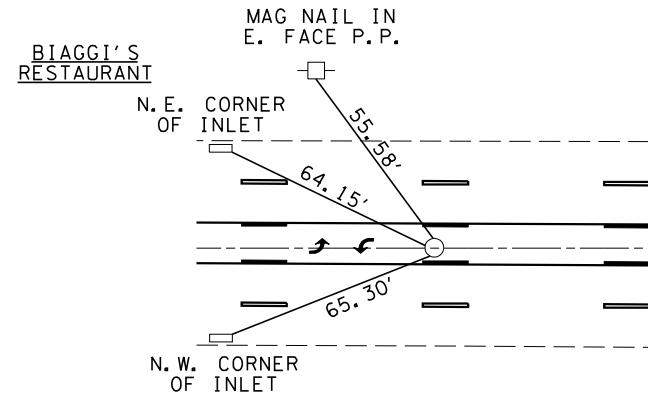
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TIE POINT LAYOUT

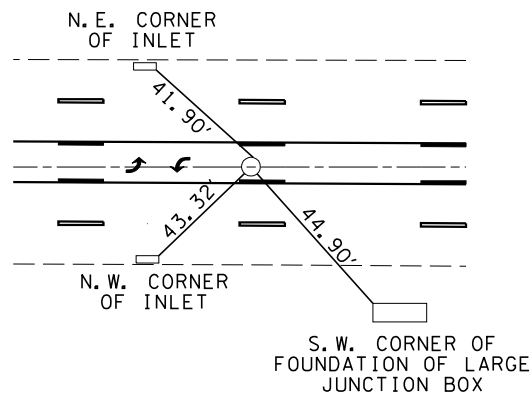
CONTRACT NO. 70186

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

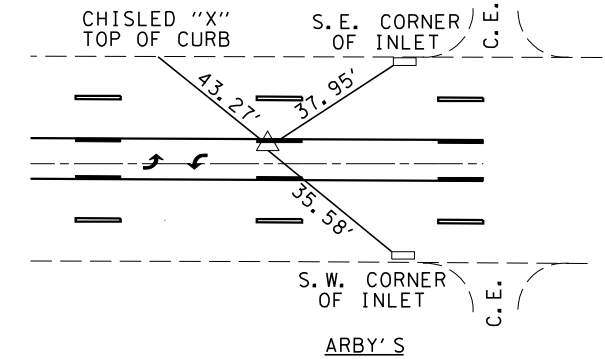
P.O.T. #1 67+41.92
I.P. W/CAP



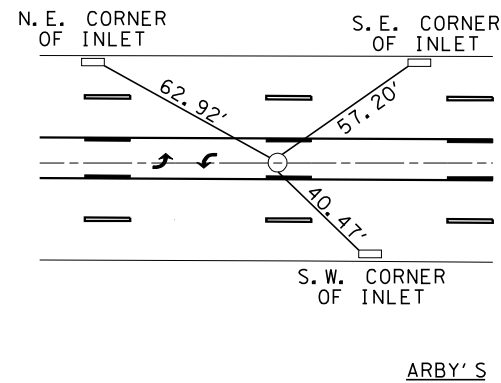
P.C. #15 73+07.63
MAG NAIL



P.I. #16 75+10.71
I.P. W/CAP

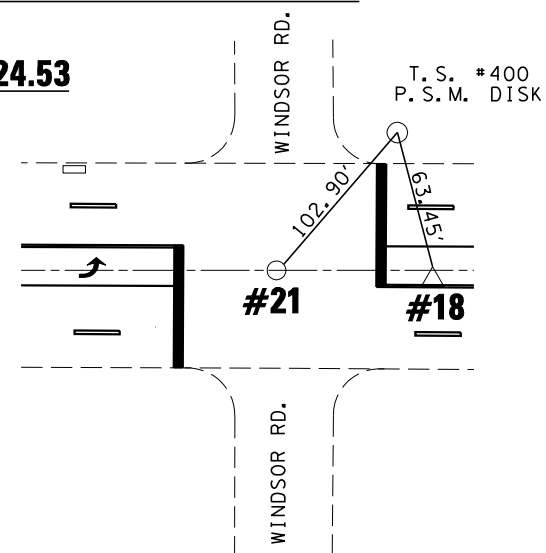


P.R.C. #17 & #14 77+13.72
MAG NAIL

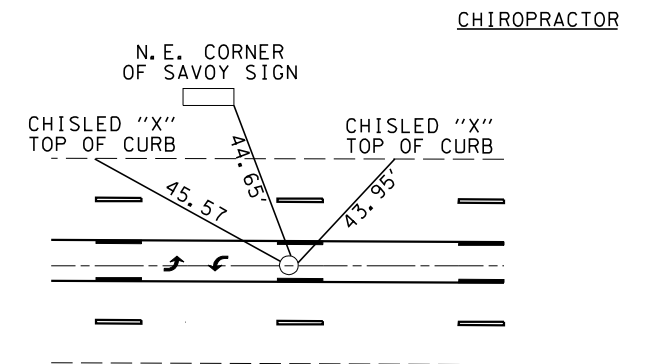


INTERSECTION POINT #21 80+03.53

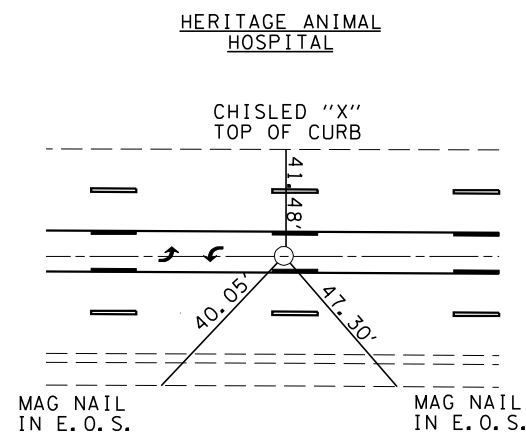
I.P. W/CAP
P.I. #18 79+24.53
MAG NAIL



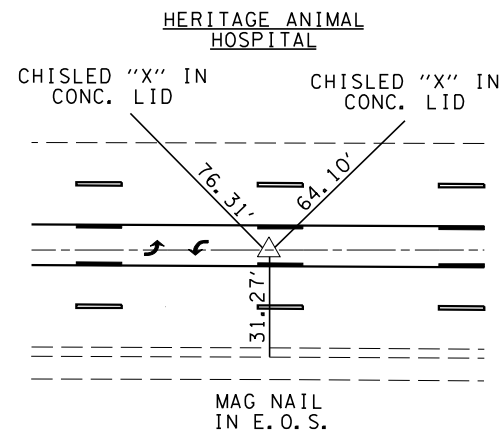
P.I. #19 & #20
81+35.27 BK = 81+35.00 AH
MAG NAIL



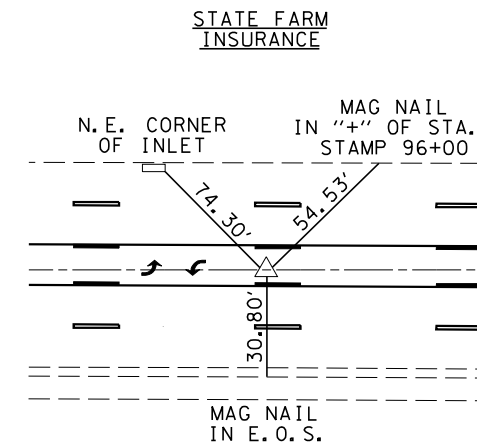
P.O.T. #6 85+77.64
I.P. W/CAP



P.I. KINK #64 86+08.47
MAG NAIL



P.I. KINK #65 96+45.25
MAG NAIL



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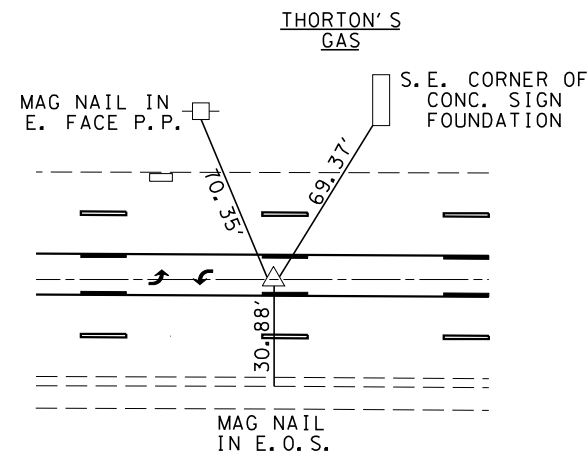
TIE POINT LAYOUT

CONTRACT NO. 70186

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125RIRS	CHAMPAIGN	50	21
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

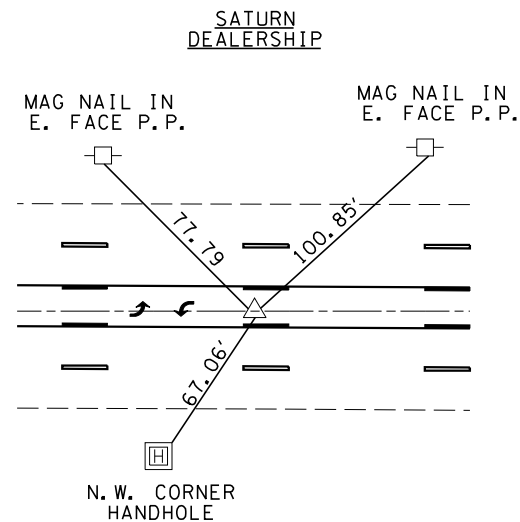
P.I. KINK #66 116 + 11.31

MAG NAIL



P.I. KINK #67 122 + 33.45

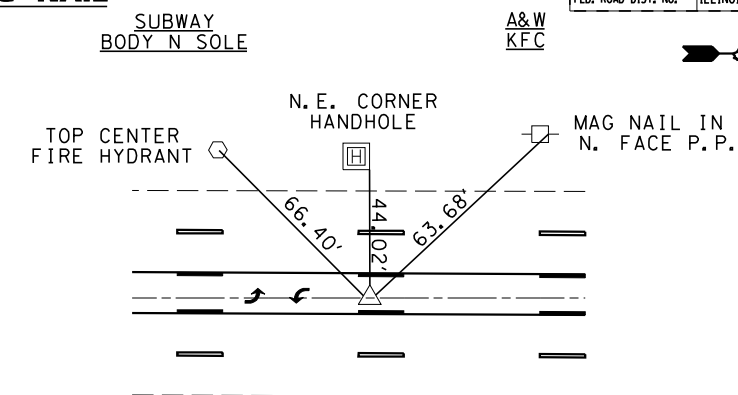
MAG NAIL



P.I. KINK #68 127 + 75.51

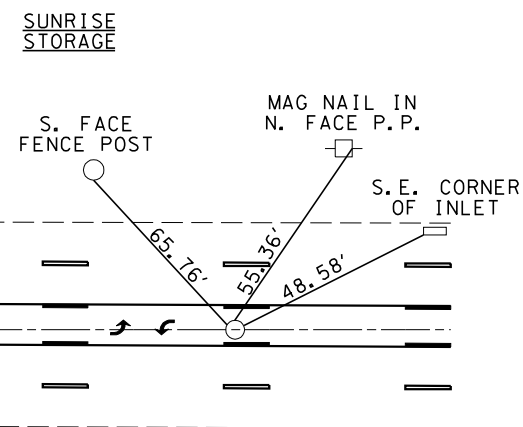
MAG NAIL

A&W
KFC



P.O.T. #69 136 + 00.03

MAG NAIL



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	(25R)RS	CHAMPAIGN	50	22
STA. 24+60		TO STA. 29+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

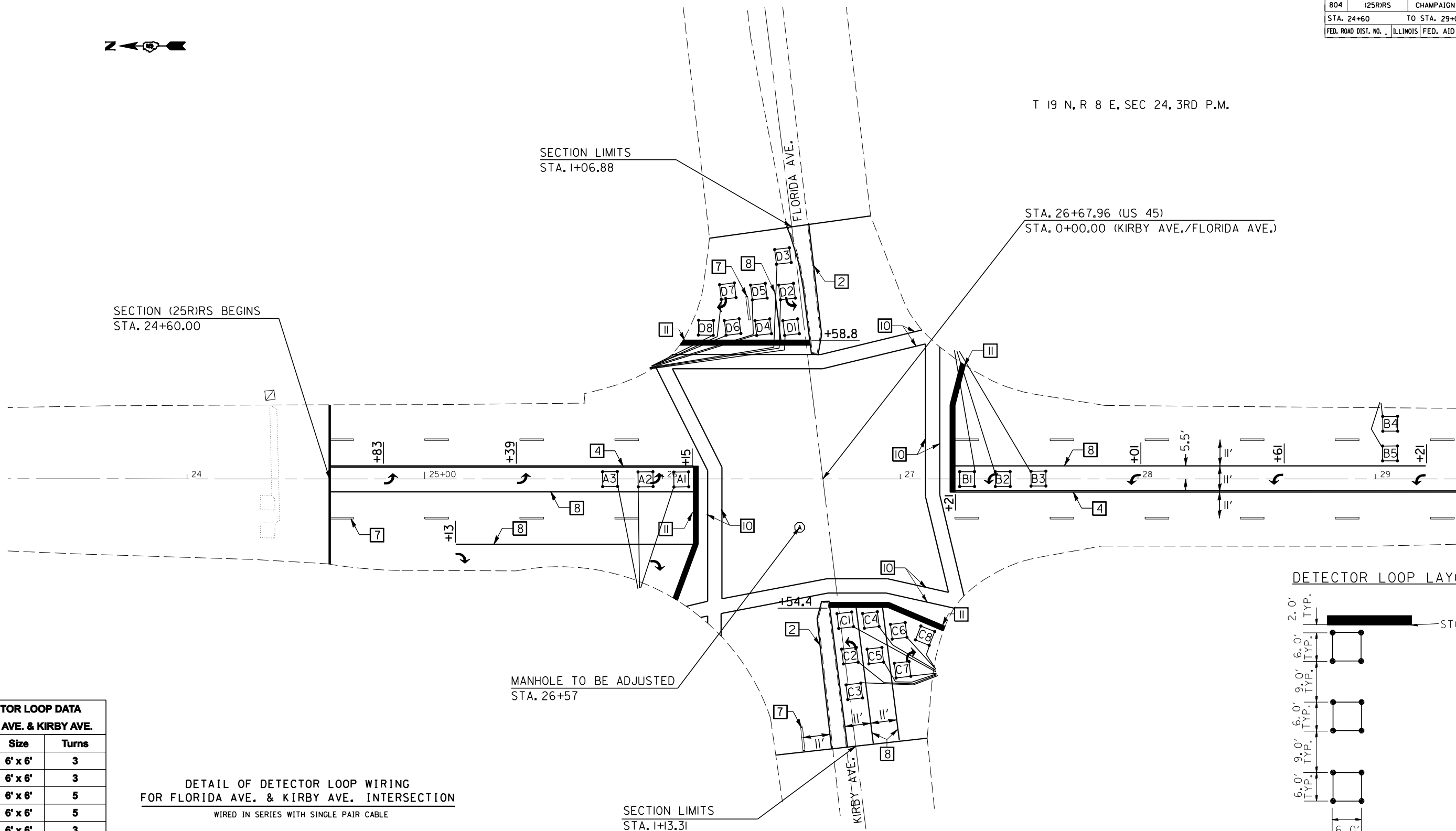


T 19 N, R 8 E, SEC 24, 3RD P.M.

SECTION LIMITS
STA. 1+06.88

STA. 26+67.96 (US 45)
STA. 0+00.00 (KIRBY AVE./FLORIDA AVE.)

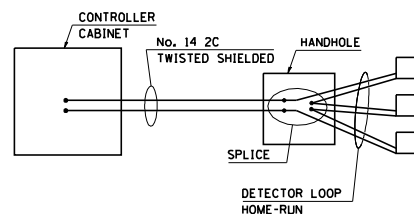
SECTION (25R)RS BEGINS
STA. 24+60.00



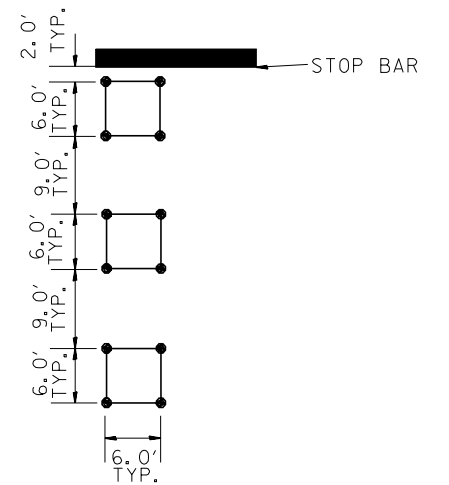
DETECTOR LOOP DATA FLORIDA AVE. & KIRBY AVE.		
Loop	Size	Turns
A1-3	6' x 6'	3
B1-3	6' x 6'	3
B4-5	6' x 6'	5
B6-7	6' x 6'	5
C1-3	6' x 6'	3
C4-5	6' x 6'	4
C6-7	6' x 6'	4
C8	6' x 6'	5
D1-3	6' x 6'	3
D4-5	6' x 6'	3
D6-7	6' x 6'	3
D8	6' x 6'	3

DETAIL OF DETECTOR LOOP WIRING
FOR FLORIDA AVE. & KIRBY AVE. INTERSECTION

WIRED IN SERIES WITH SINGLE PAIR CABLE



DETECTOR LOOP LAYOUT



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING &
DETECTOR LOOP PLANS

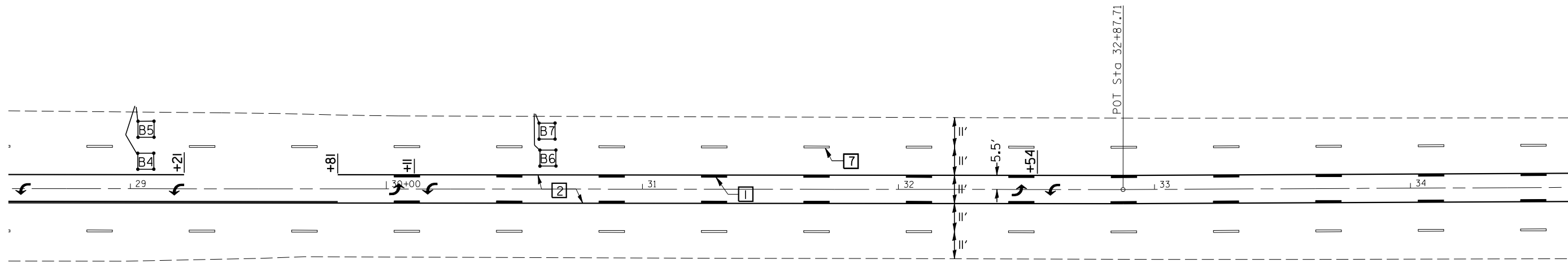
SCALE: VERT.
HORIZ.

DRAWN BY
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	(25)R/S	CHAMPAIGN	50	23
STA. 29+00		TO STA. 34+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	



T 19 N, R 8 E, SEC 24, 3RD P.M.



PLOT DATE : 10/24/2005
 FILE NAME : c:\projects\65931801\681\173sheets.dgn
 PLOT SCALE : 42,352% / IN.
 USER NAME : carrollt

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

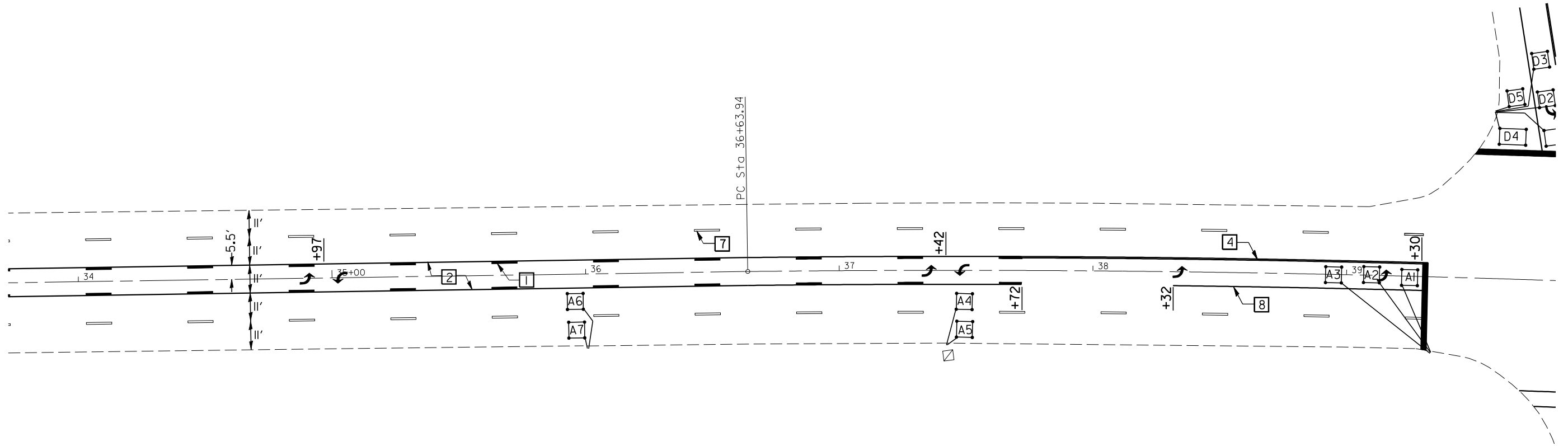
PAVEMENT MARKING &
 DETECTOR LOOP PLANS

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R/R5	CHAMPAIGN	50	24
STA. 34+00		TO STA. 39+00		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

T 19 N, R 8 E, SEC 24, 3RD P.M.



PLOT DATE : 10/24/2006
 FILE NAME : c:\projects\65931801\681\173sheets.dgn
 PLOT SCALE : 42,352% / IN.
 USER NAME : carrollr

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

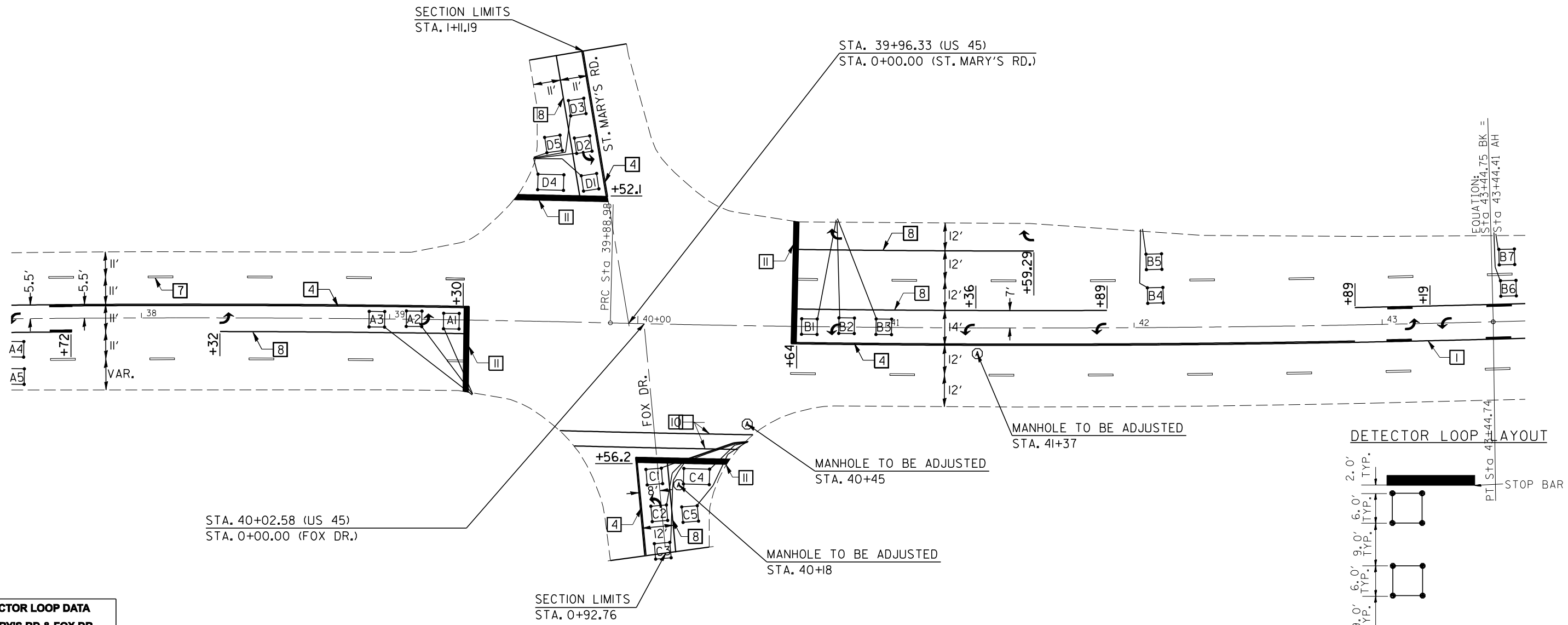
PAVEMENT MARKING &
 DETECTOR LOOP PLANS

SCALE: VERT. _____
 HORIZ. _____

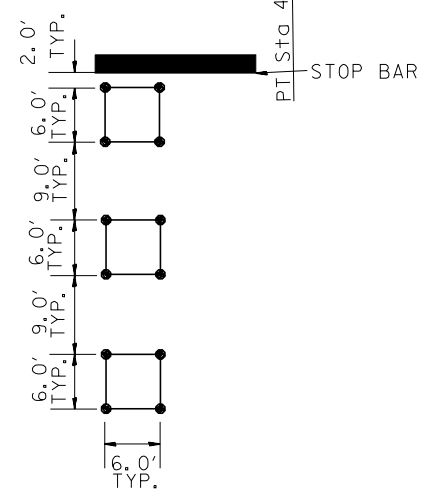
DATE _____ DRAWN BY _____
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	(25)R/S	CHAMPAIGN	50	25
STA. 38+00		TO STA. 43+00		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

T 19 N, R 8 E, SEC 24, 3RD P.M.

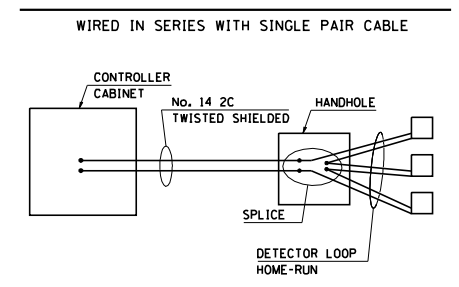


DETECTOR LOOP LAYOUT



DETECTOR LOOP DATA ST. MARY'S RD & FOX DR.		
Loop	Size	Turns
A1-3	6' x 6'	3
A4-5	6' x 6'	3
A6-7	6' x 6'	4
B1-3	6' x 6'	3
B4-5	6' x 6'	4
B6-7	6' x 6'	4
C1-3	6' x 6'	3
C4-5	6' x 6'	3
D1-3	6' x 6'	3
D4-5	6' x 6'	3

DETAIL OF DETECTOR LOOP WIRING FOR ST. MARY'S RD. & FOX DR.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

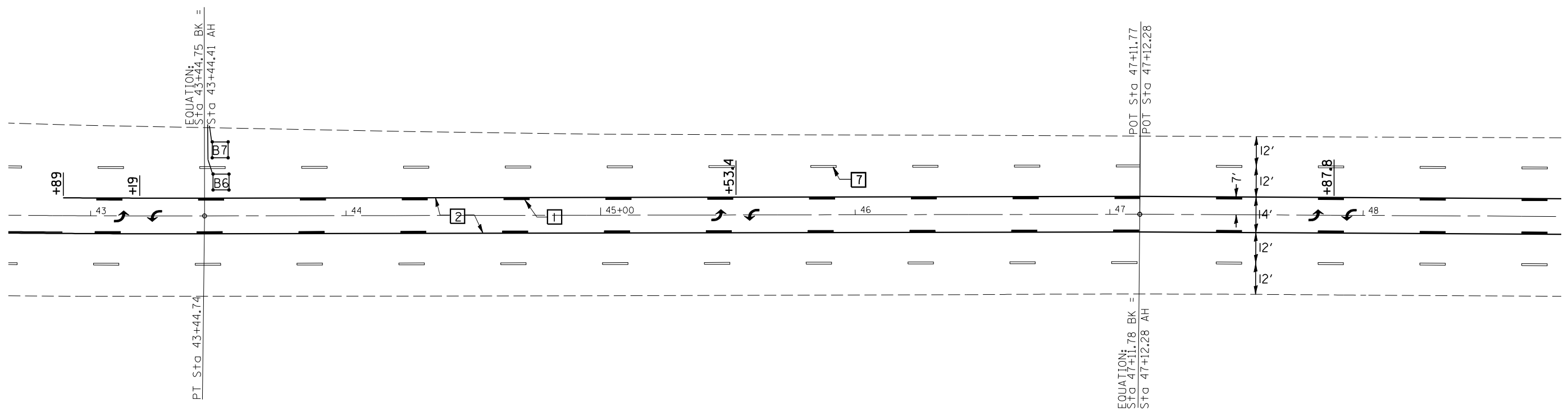
PAVEMENT MARKING & DETECTOR LOOP PLANS

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

PLOT DATE = 10/25/2005
 FILE NAME = c:\projects\4593101\c81\173\sheet1.dgn
 PLOT SCALE = 42.3525" / IN.
 USER NAME = carrollrt

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R/RS	CHAMPAIGN	50	26
STA. 43+00		TO STA. 48+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

T 19 N, R 8 E, SEC 24, 3RD P.M.



PLOT DATE : 10/24/2005
 FILE NAME : c:\projects\6593101\681\173sheets.dgn
 PLOT SCALE : 42.3525' / IN.
 USER NAME : carrollt

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

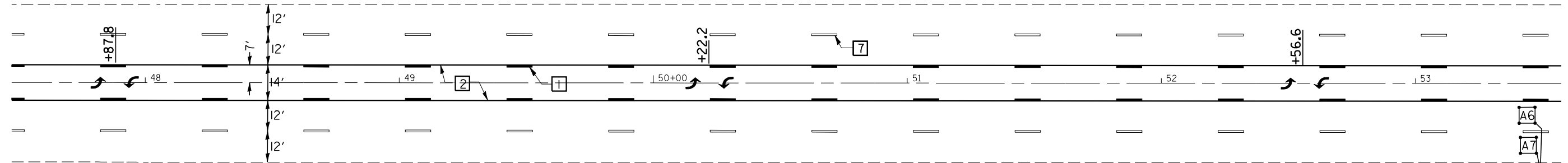
PAVEMENT MARKING &
 DETECTOR LOOP PLANS

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R1RS	CHAMPAIGN	50	27
STA. 48+00		TO STA. 53+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

T 19 N, R 8 E, SEC 24, 3RD P.M.



PLOT DATE : 10/24/2005
 FILE NAME : c:\projects\6593181\c81\173sheets.dgn
 PLOT SCALE : 42,352% / IN.
 USER NAME : carrollt

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING &
 DETECTOR LOOP PLANS

SCALE: VERT. _____
 HORIZ. _____

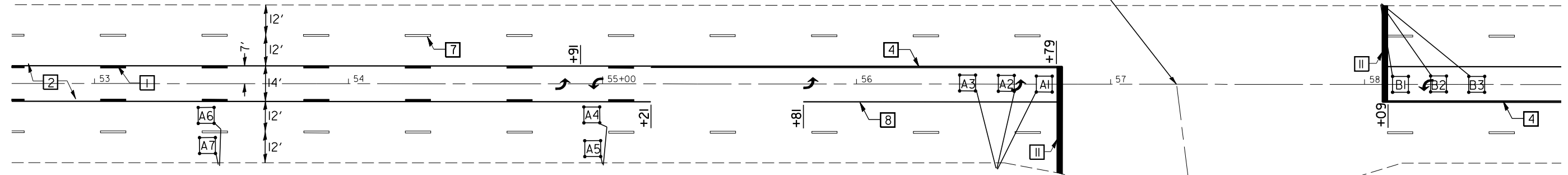
DATE _____ DRAWN BY _____
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	(25)R/R5	CHAMPAIGN	50	28
STA. 53+00		TO STA. 58+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

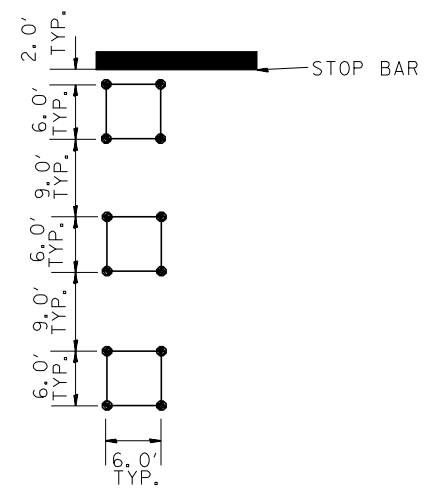
T 19 N, R 8 E, SEC 24, 3RD P.M.



STA. 57+25.95 (US 45)
 STA. 0+00.00 (DEVONSHIRE DR.)



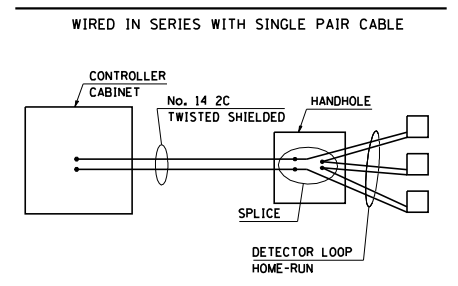
DETECTOR LOOP LAYOUT



SECTION LIMITS
 STA. 1+20.60

DETECTOR LOOP DATA DEVONSHIRE DR.		
Loop	Size	Turns
A1-3	6' x 6'	3
A4-5	6' x 6'	4
A6-7	6' x 6'	4
B1-3	6' x 6'	3
B4-5	6' x 6'	5
B6-7	6' x 6'	5
C1-3	6' x 6'	3
C4-5	6' x 6'	3

DETAIL OF DETECTOR LOOP WIRING FOR DEVONSHIRE DR.



REVISIONS	
NAME	DATE

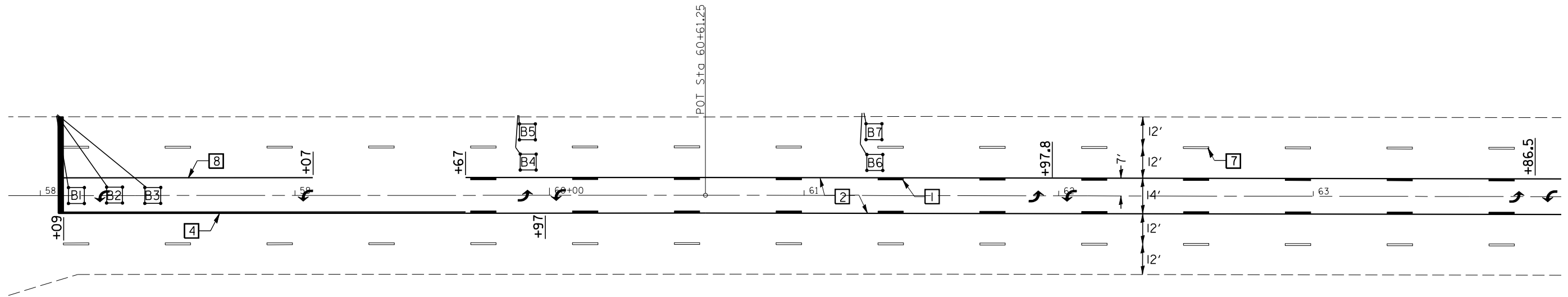
ILLINOIS DEPARTMENT OF TRANSPORTATION
 PAVEMENT MARKING &
 DETECTOR LOOP PLANS
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 10/25/2005
 FILE NAME = c:\projects\0503101\081\173sheets.dgn
 PLOT SCALE = 42,352% / IN.
 USER NAME = carrollrt

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R/R5	CHAMPAIGN	50	29
STA. 58+00		TO STA. 63+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	



T 19 N, R 8 E, SEC 24, 3RD P.M.



PLOT DATE : 10/24/2005
 FILE NAME : c:\projects\593181\c81\173sheets.dgn
 PLOT SCALE : 42,352% / IN.
 USER NAME : carrollt

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING &
 DETECTOR LOOP PLANS

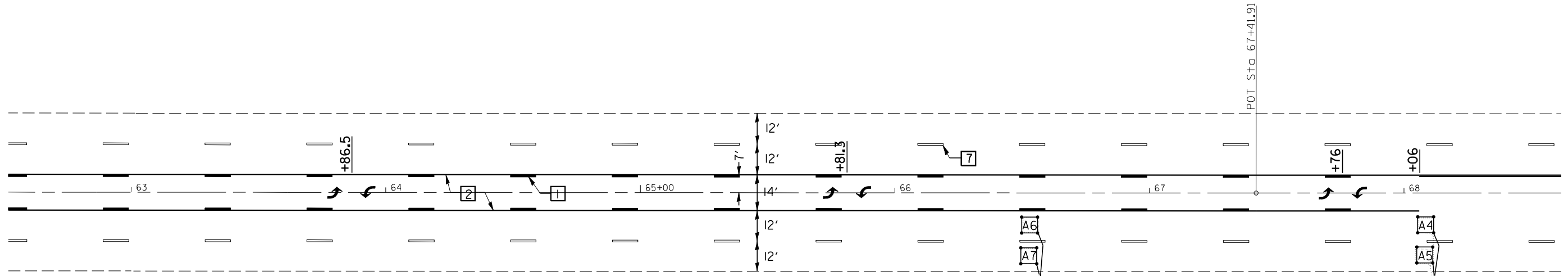
SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R/RS	CHAMPAIGN	50	30
STA. 63+00		TO STA. 68+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	



T 19 N, R 8 E, SEC 24, 3RD P.M.



PLOT DATE : 10/24/2006
 FILE NAME : c:\projects\593181\c81\173sheets.dgn
 PLOT SCALE : 42,352% / IN.
 USER NAME : carrollr

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

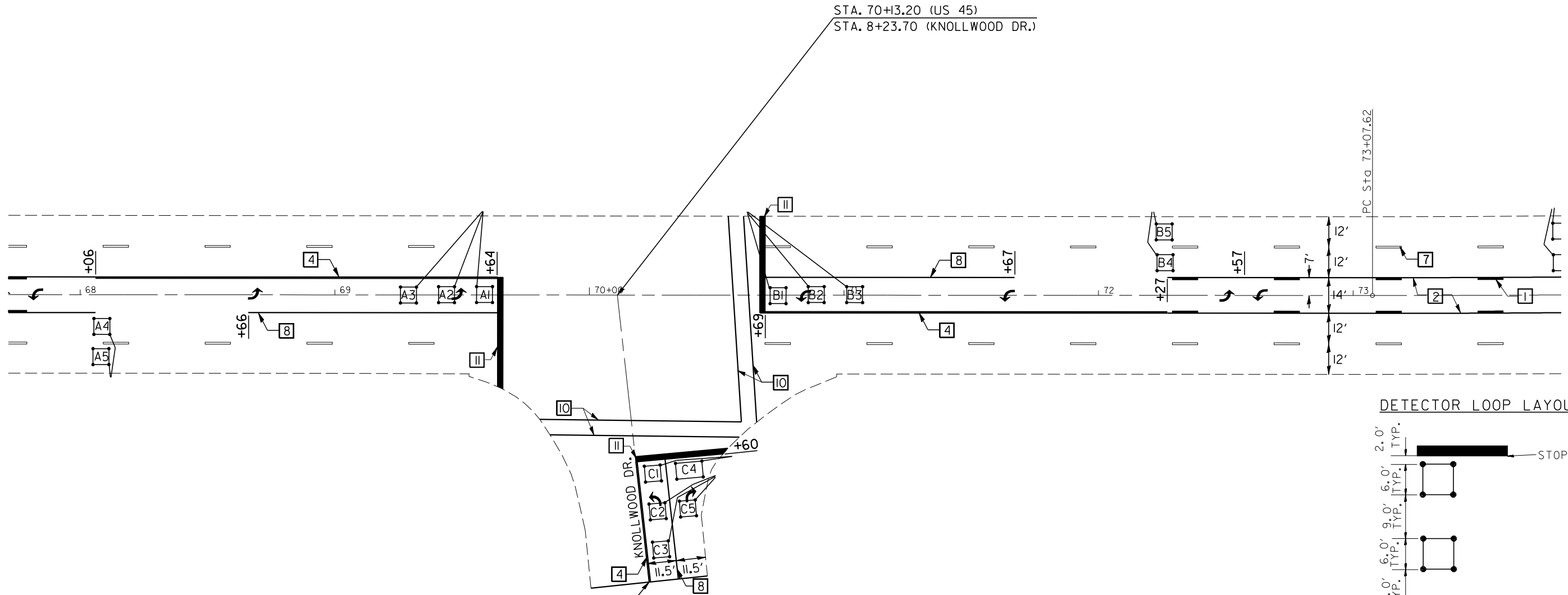
PAVEMENT MARKING &
 DETECTOR LOOP PLANS

SCALE: VERT. _____
 HORIZ. _____

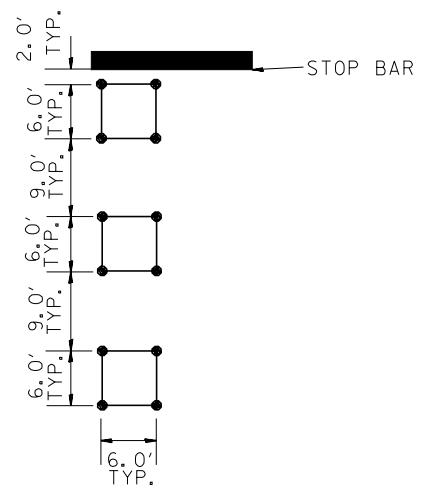
DATE _____ DRAWN BY _____
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	(25)R/S	CHAMPAIGN	50	31
STA. 68+00		TO STA. 73+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

T 19 N, R 8 E, SEC 24, 3RD P.M.

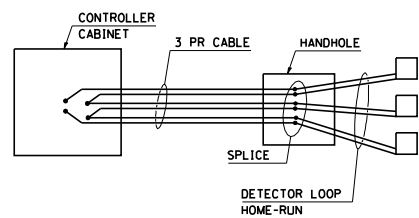


DETECTOR LOOP LAYOUT



DETECTOR LOOP DATA KNOLLWOOD DR.		
Loop	Size	Turns
A1-3	6' x 6'	4
A4-5	6' x 6'	5
A6-7	6' x 6'	6
B1-3	6' x 6'	3
B4-5	6' x 6'	5
B6-7	6' x 6'	6
C1-3	6' x 6'	3
C4-5	6' x 14'	3

DETAIL OF DETECTOR LOOP WIRING
KNOLLWOOD DR.
WIRED IN SERIES WITH MULTI-PAIR CABLE



SECTION LIMITS
STA. 7+12.5

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING &
DETECTOR LOOP PLANS

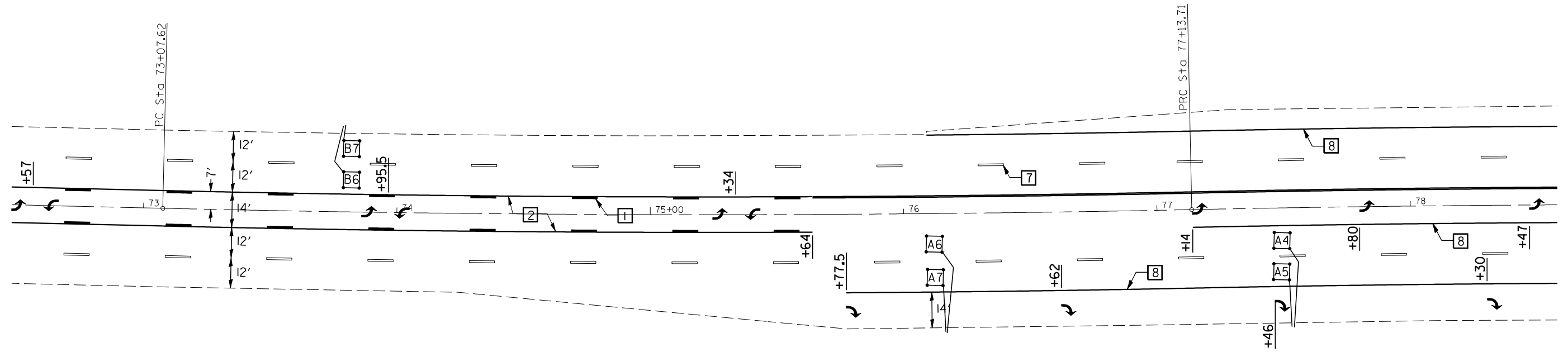
SCALE: VERT.
HORIZ.

DRAWN BY
CHECKED BY

PLOT DATE = 10/25/2005
FILE NAME = c:\projects\0503101\081\173sheets.dgn
PLOT SCALE = 42,352% / IN.
USER NAME = carrollr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R/RS	CHAMPAIGN	50	32
STA. 73+00		TO STA. 78+00		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

T 19 N, R 8 E, SEC 24, 3RD P.M.



PLOT DATE : 10/24/2006
 FILE NAME : c:\projects\05931801\081\173sheets\dgn
 PLOT SCALE : 42,352% / IN.
 USER NAME : carrollr

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING &
 DETECTOR LOOP PLANS

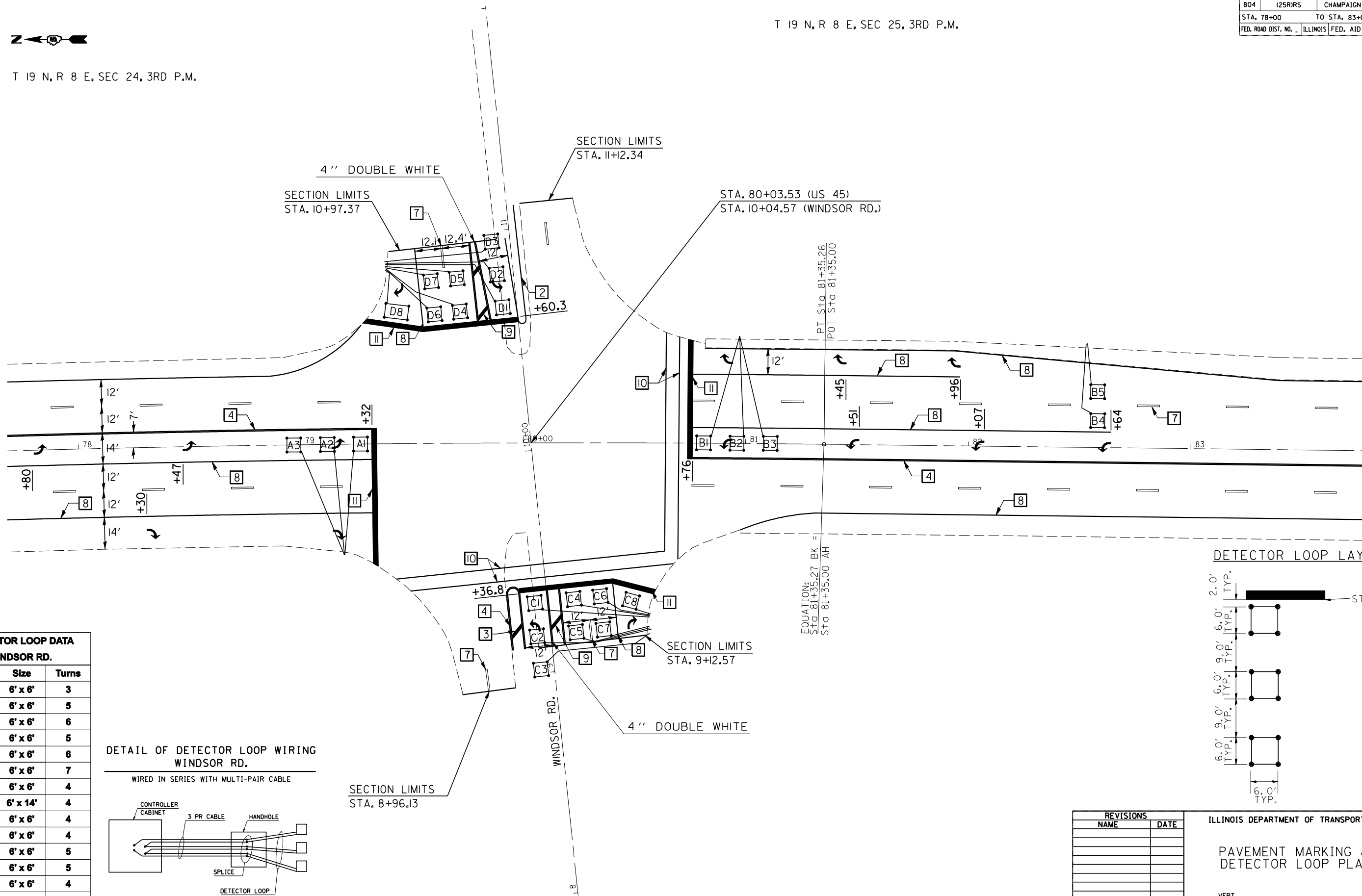
SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	(25)R/S	CHAMPAIGN	50	33
STA. 78+00		TO STA. 83+00		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

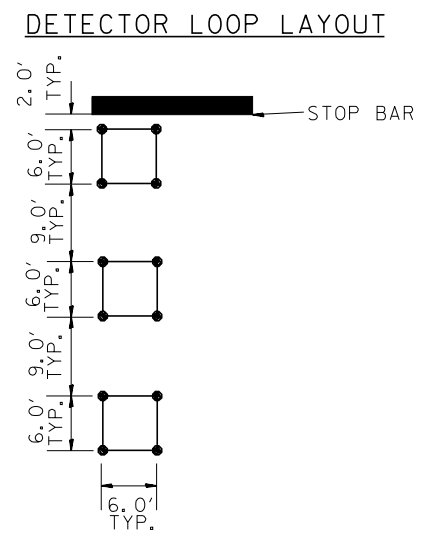
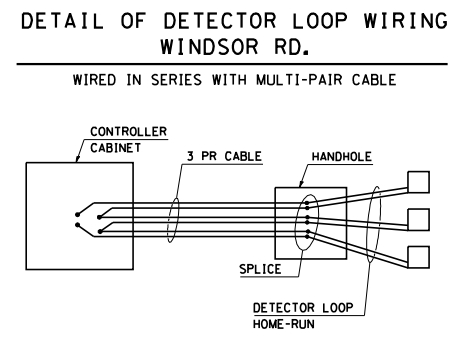
T 19 N, R 8 E, SEC 25, 3RD P.M.

T 19 N, R 8 E, SEC 24, 3RD P.M.



DETECTOR LOOP DATA
WINDSOR RD.

Loop	Size	Turns
A1-3	6' x 6'	3
A4-5	6' x 6'	5
A6-7	6' x 6'	6
B1-3	6' x 6'	5
B4-5	6' x 6'	6
B6-7	6' x 6'	7
C1-3	6' x 6'	4
C4-5	6' x 14'	4
C6-7	6' x 6'	4
C8	6' x 6'	4
D1-3	6' x 6'	5
D4-5	6' x 6'	5
D6-7	6' x 6'	4
D8	6' x 10'	4



REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

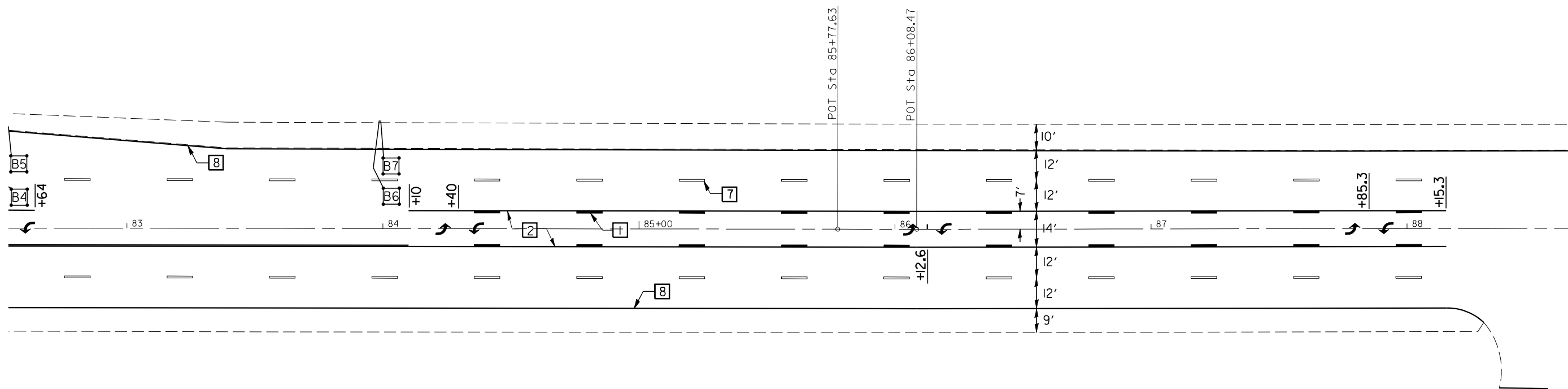
SCALE: VERT. / HORIZ. / DATE

DRAWN BY / CHECKED BY

PLOT DATE = 10/25/2005
 FILE NAME = c:\projects\593181\c81\173sheets.dgn
 PLOT SCALE = 42.3525' / IN.
 USER NAME = carrollt

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R1RS	CHAMPAIGN	50	34
STA. 83+00		TO STA. 88+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

T 19 N, R 8 E, SEC 25, 3RD P.M.



PLOT DATE : 10/24/2006
 FILE NAME : c:\projects\0503101\081\173sheets\dgn
 PLOT SCALE : 42,352% / IN.
 USER NAME : carrollr

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

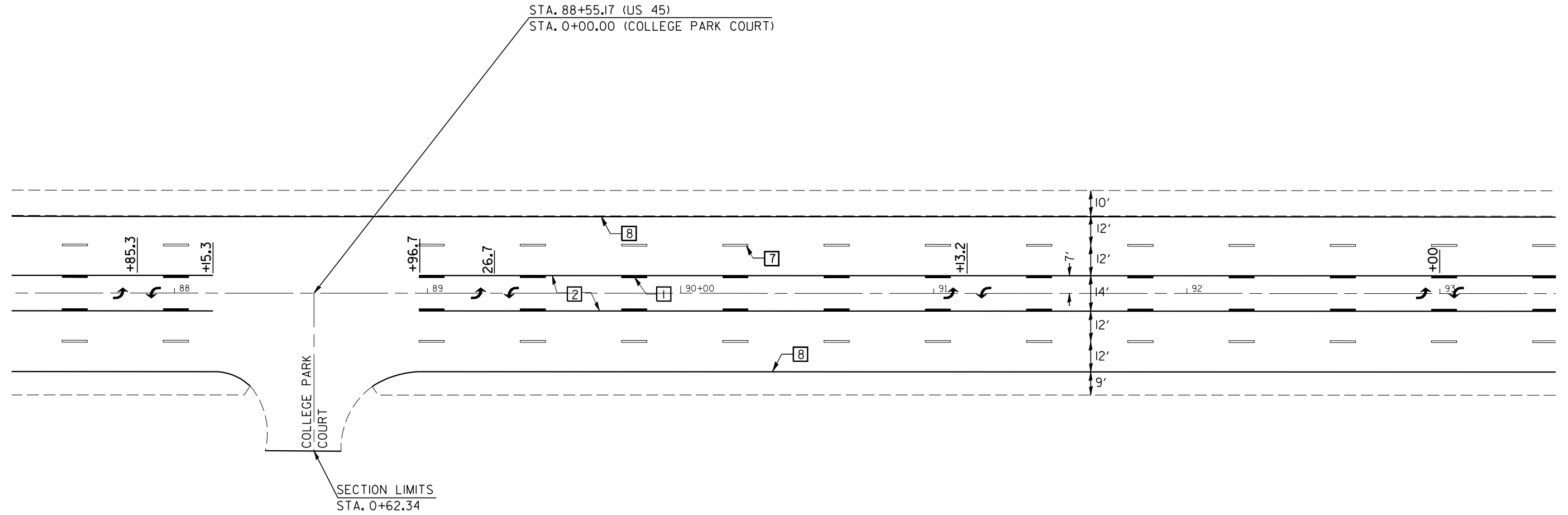
PAVEMENT MARKING &
 DETECTOR LOOP PLANS

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	(25)R/S	CHAMPAIGN	50	35
STA. 88+00		TO STA. 93+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

T 19 N, R 8 E, SEC 25, 3RD P.M.



PLOT DATE = 10/24/2006
 FILE NAME = c:\projects\593181\c81\173sheets.dgn
 PLOT SCALE = 42,352% / IN.
 USER NAME = carrollt

REVISIONS	
NAME	DATE

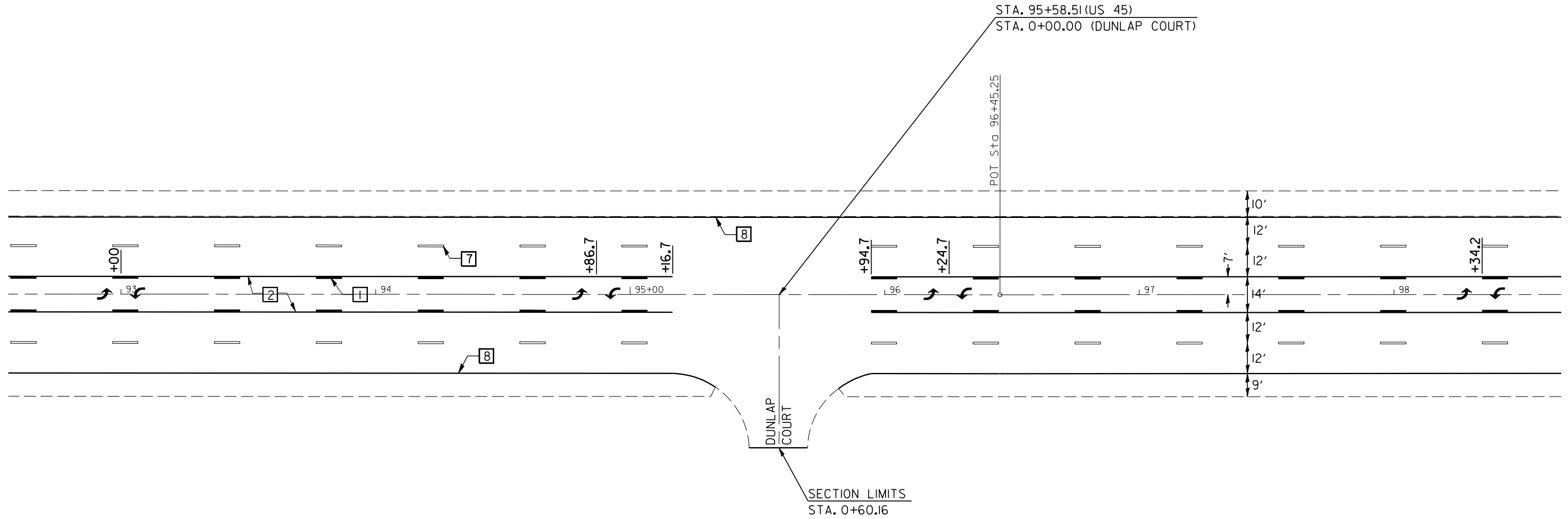
ILLINOIS DEPARTMENT OF TRANSPORTATION
 PAVEMENT MARKING &
 DETECTOR LOOP PLANS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	(25)R/S	CHAMPAIGN	50	36
STA. 93+00		TO STA. 98+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	



T 19 N, R 8 E, SEC 25, 3RD P.M.



PLOT DATE : 10/24/2005
 FILE NAME : c:\projects\593181\c81\173sheets.dgn
 PLOT SCALE : 42,352% / IN.
 USER NAME : carrollt

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

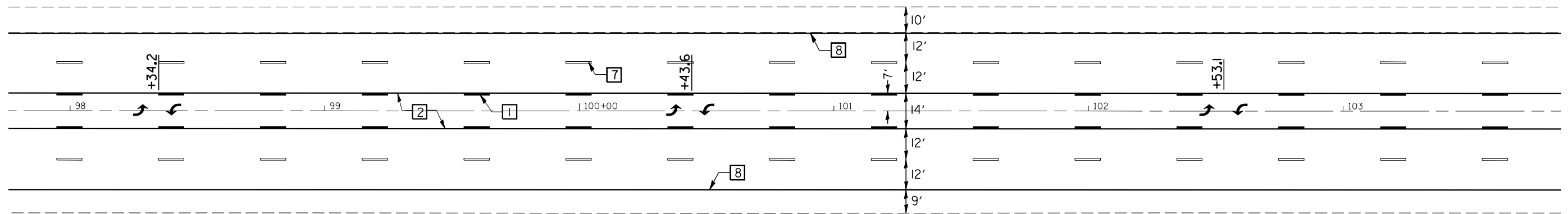
PAVEMENT MARKING &
 DETECTOR LOOP PLANS

SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25R/RS	CHAMPAIGN	50	37
STA. 98+00		TO STA. 103+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

T 19 N, R 8 E, SEC 25, 3RD P.M.



PLOT DATE : 10/24/2005
 FILE NAME : c:\projects\593181\c81\173sheets.dgn
 PLOT SCALE : 42,352% / IN.
 USER NAME : carrollr

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING &
 DETECTOR LOOP PLANS

SCALE: VERT. _____
 HORIZ. _____

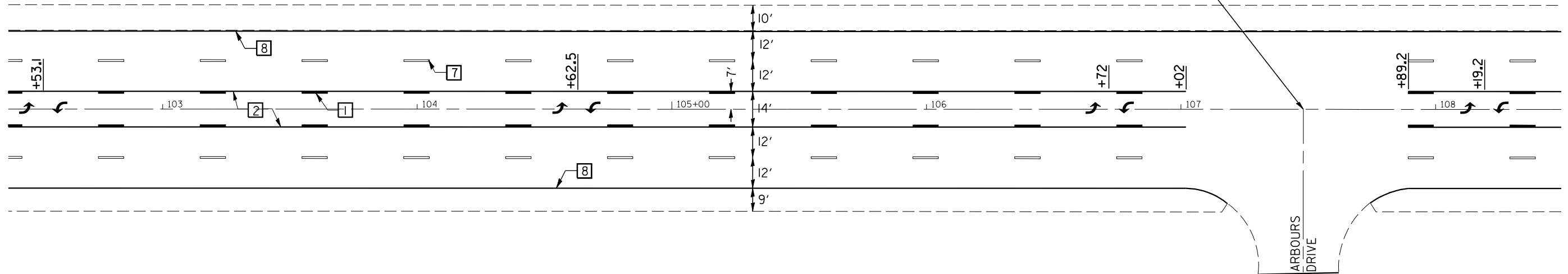
DATE _____ DRAWN BY _____
 CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25R/RS	CHAMPAIGN	50	38
STA. 103+00		TO STA. 108+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

T 19 N, R 8 E, SEC 25, 3RD P.M.



STA. 107+48.04 (US 45)
STA. 0+00.00 (ARBOURS DRIVE)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING &
DETECTOR LOOP PLANS

SCALE: VERT. _____
HORIZ. _____

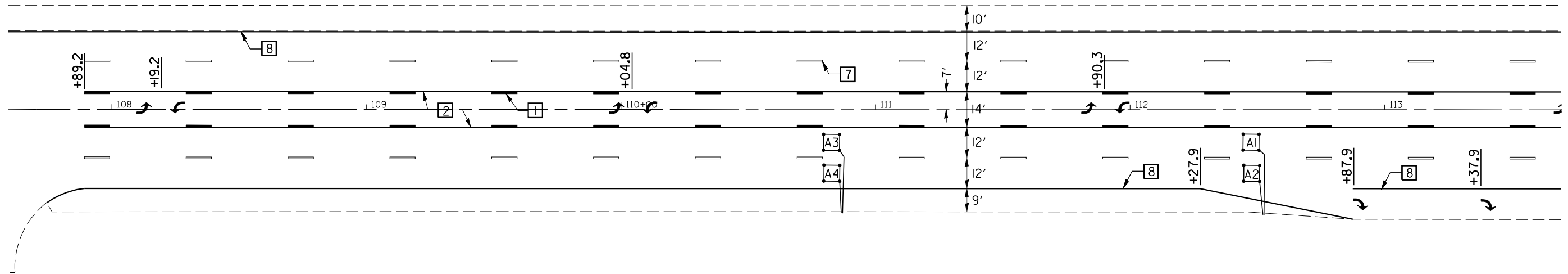
DATE _____

DRAWN BY _____
CHECKED BY _____

PLOT DATE : 10/24/2006
FILE NAME : c:\projects\593181\c81\173sheets.dgn
PLOT SCALE : 42,352% / IN.
USER NAME : carrollr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25R/R5	CHAMPAIGN	50	39
STA. 108+00		TO STA. 113+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

T 19 N, R 8 E, SEC 25, 3RD P.M.



PLOT DATE : 10/24/2005
 FILE NAME : c:\projects\593181\c81\173sheets.dgn
 PLOT SCALE : 42,352% / IN.
 USER NAME : carrollr

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

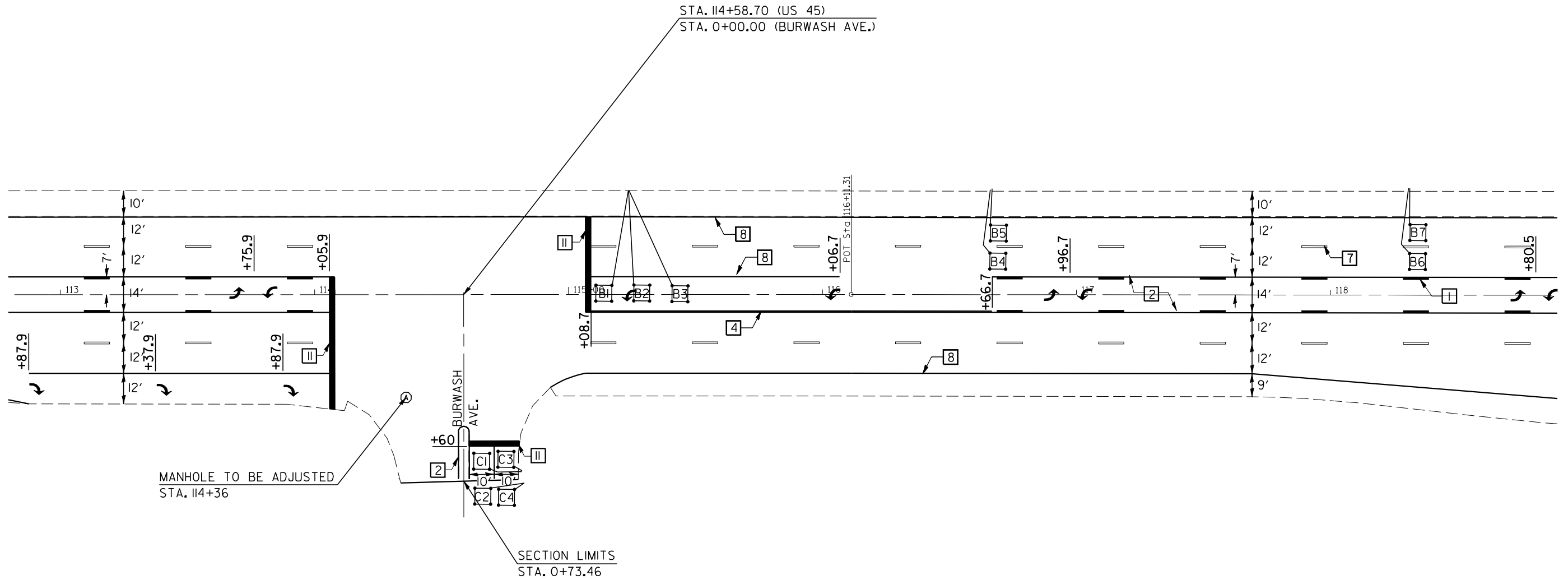
PAVEMENT MARKING & DETECTOR LOOP PLANS

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

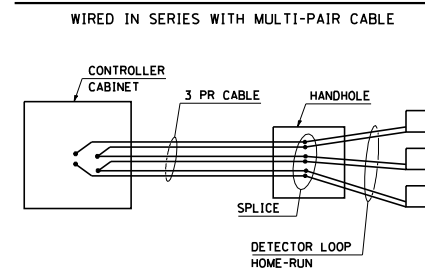
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25R/RS	VERMILION	50	40
STA. 113+00		TO STA. 118+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

T 19 N, R 8 E, SEC 25, 3RD P.M.



DETECTOR LOOP DATA BURWASH AVE.		
Loop	Size	Turns
A1-2	6' x 6'	5
A3-4	6' x 6'	6
B1-3	6' x 6'	5
B4-5	6' x 6'	6
B6-7	6' x 6'	6
C1-2	6' x 6'	4
C3-4	6' x 6'	3

DETAIL OF DETECTOR LOOP WIRING
BURWASH AVE.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING &
DETECTOR LOOP PLANS

SCALE: VERT.
HORIZ.
DATE

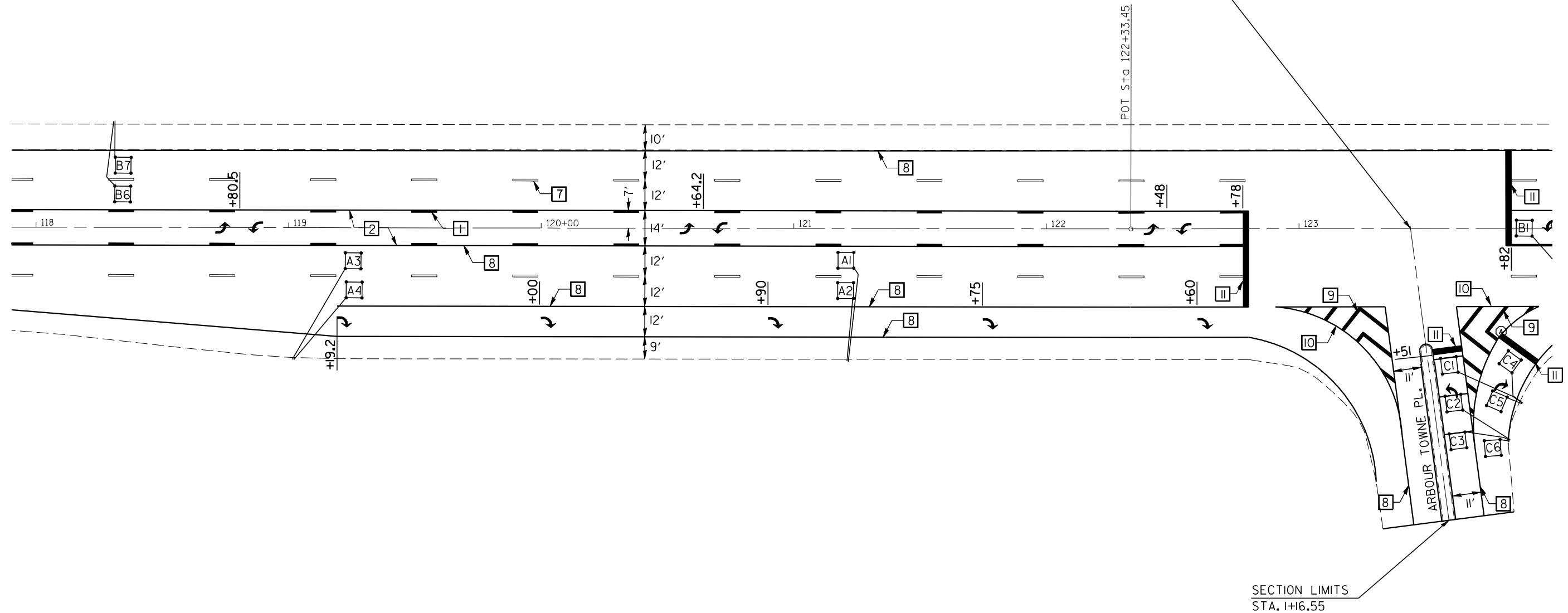
DRAWN BY
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R/R5	CHAMPAIGN	50	41
STA. 118+00		TO STA. 123+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

T 19 N, R 8 E, SEC 25, 3RD P.M.



STA. 123+44 (US 45)
 STA. 0+00.00 (ARBOUR TOWNE PLACE)



SECTION LIMITS
 STA. 116.55

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING &
 DETECTOR LOOP PLANS

SCALE: VERT. _____
 HORIZ. _____

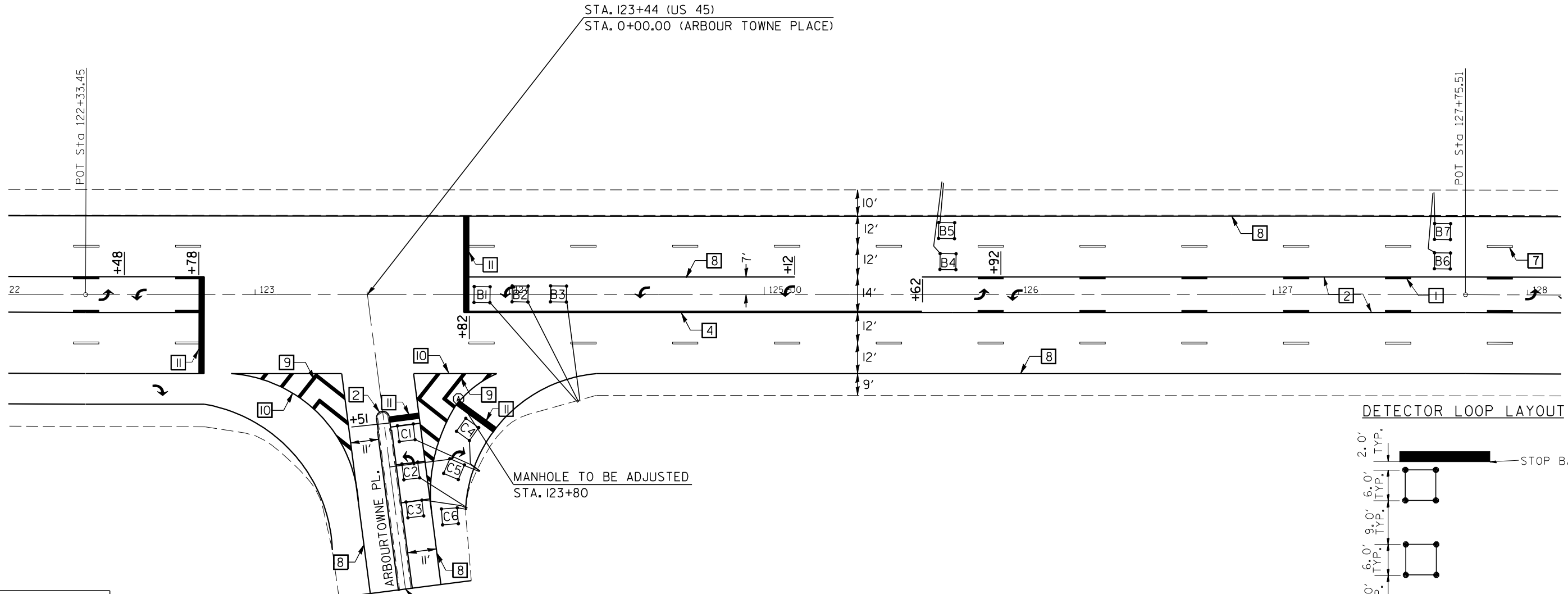
DATE _____

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 USER NAME = carrollt

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	125R/RS	CHAMPAIGN	50	42
STA. 123+00		TO STA. 128+00		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

T 19 N, R 8 E, SEC 25, 3RD P.M.

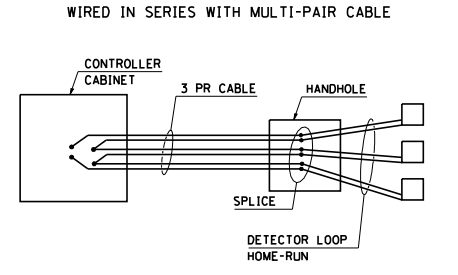


DETECTOR LOOP LAYOUT



DETECTOR LOOP DATA ARBOURTOWNE PLACE		
Loop	Size	Turns
A1-2	6' x 6'	3
A3-4	6' x 6'	5
B1-3	6' x 6'	5
B4-5	6' x 6'	6
B6-7	6' x 6'	6
C1	6' x 6'	3
C2-3	6' x 6'	3
C4	6' x 6'	3
C5-6	6' x 6'	3

DETAIL OF DETECTOR LOOP WIRING FOR ARBOURTOWNE PLACE



SECTION LIMITS
STA. 1+6.55

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING &
DETECTOR LOOP PLANS

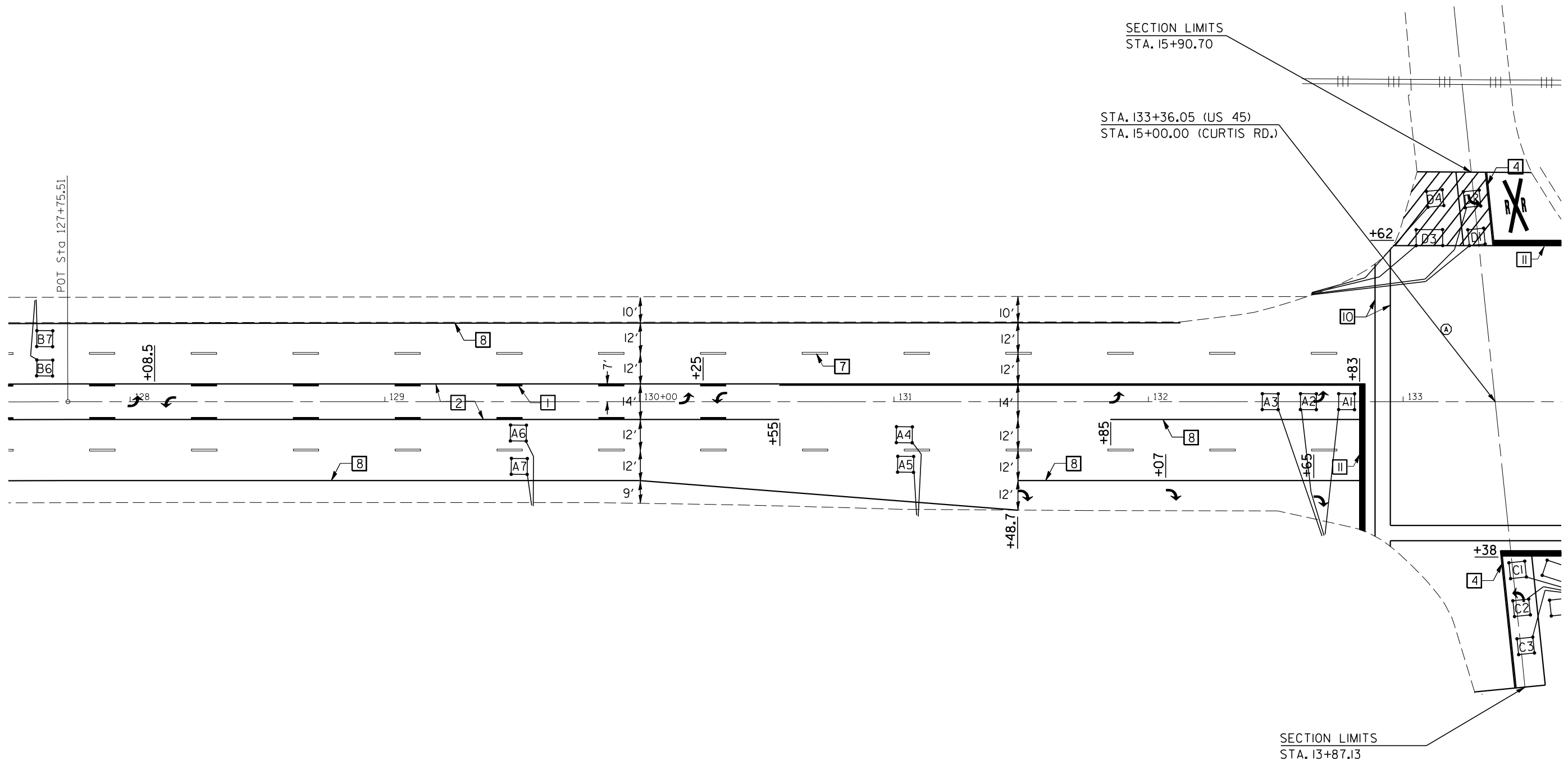
SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

PLOT DATE = 10/25/2005
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USER NAME = carrollr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	(25R)RS	CHAMPAIGN	50	43
STA. 128+00		TO STA. 133+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

T 19 N, R 8 E, SEC 25, 3RD P.M.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING &
DETECTOR LOOP PLANS

SCALE: VERT. _____
HORIZ. _____

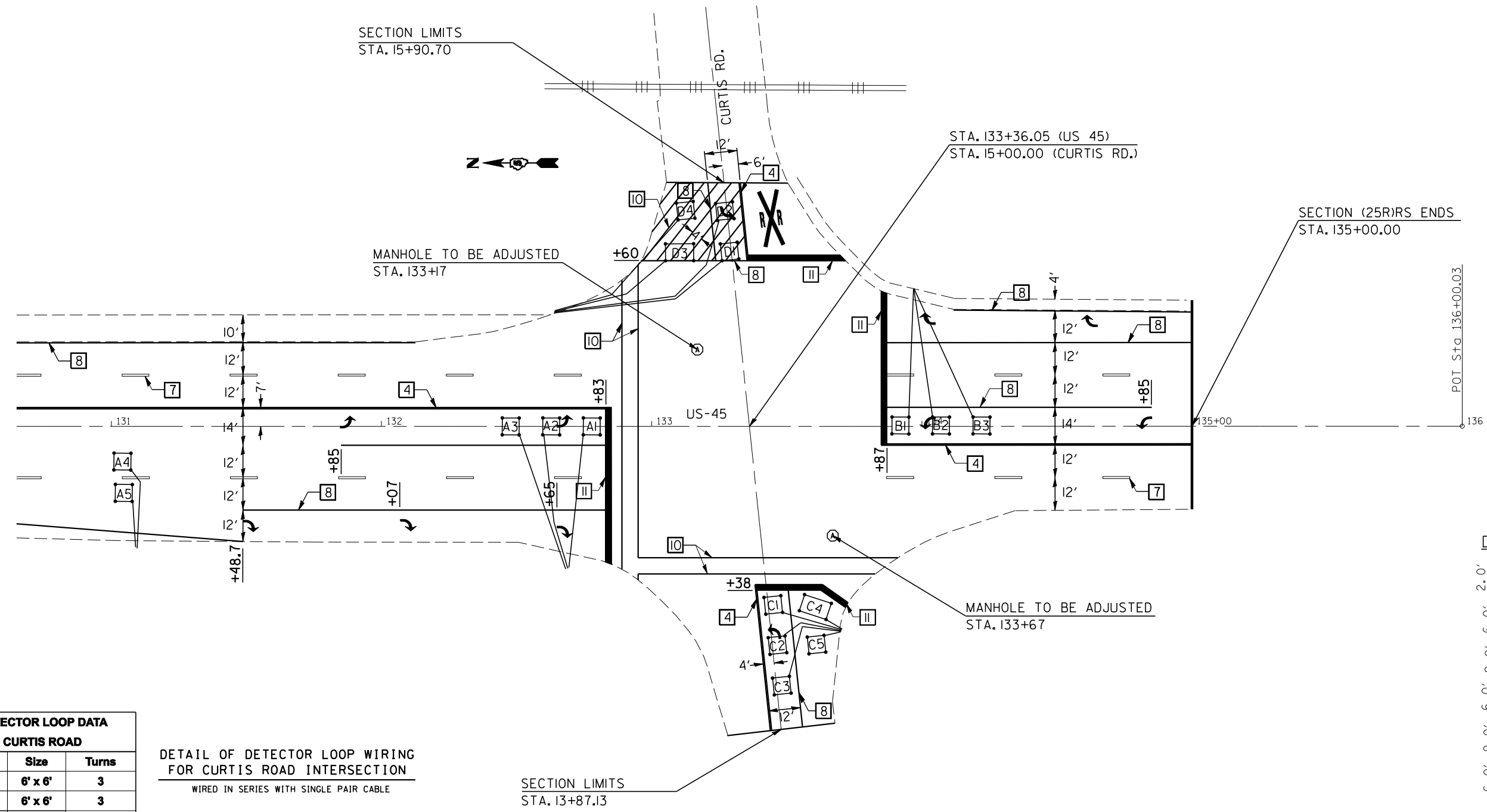
DATE _____ DRAWN BY _____
CHECKED BY _____

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USER NAME = carrollt

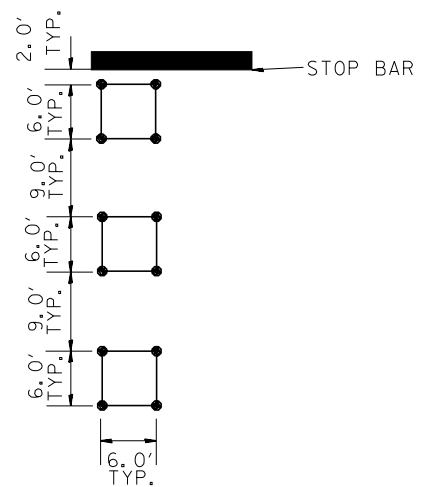
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	(25R)RS	CHAMPAIGN	50	44
STA. 131+00		TO STA. 135+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



T 19 N, R 8 E, SEC 25, 3RD P.M.

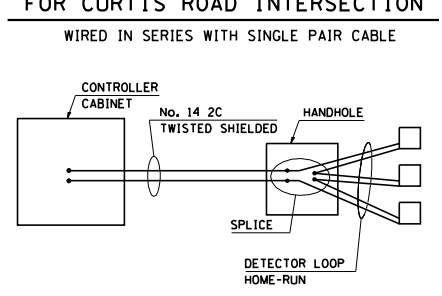


DETECTOR LOOP LAYOUT



DETECTOR LOOP DATA CURTIS ROAD		
Loop	Size	Turns
A1-3	6' x 6'	3
A4-5	6' x 6'	3
A6-7	6' x 6'	4
B1-3	6' x 6'	3
B4-5	6' x 6'	4
B6-7	6' x 6'	5
C1-3	6' x 6'	3
C4-5	6' x 6'	3
D1-2	6' x 6'	3
D4-5	6' x 6'	3

DETAIL OF DETECTOR LOOP WIRING FOR CURTIS ROAD INTERSECTION



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

SCALE: VERT. / HORIZ.

DATE

DRAWN BY

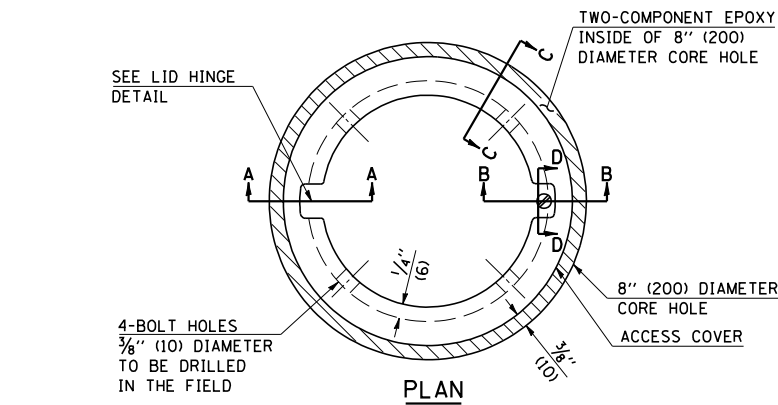
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USER NAME = carrollrt

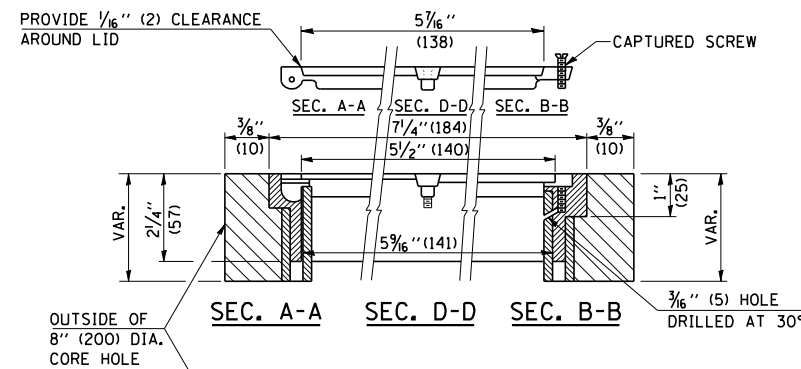
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	(25)R/S	CHAMPAIGN	50	45

Z0070100 - SURVEY MONUMENT COVER ASSEMBLY

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)

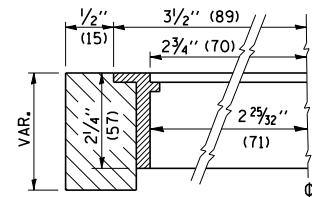


SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; 00-A-601Es. NO EXCEPTIONS.

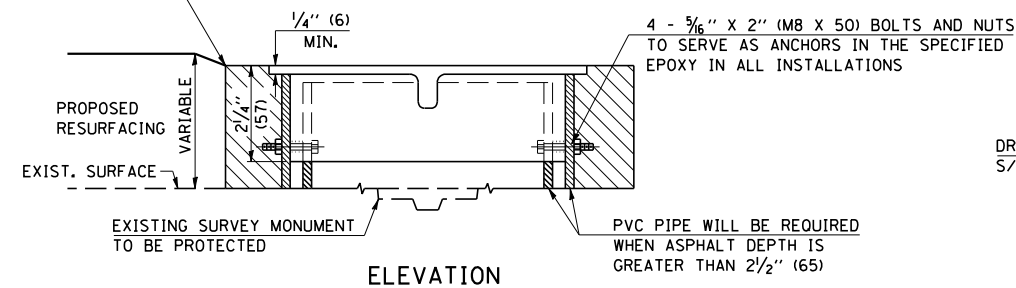


LEGEND

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



SECTION C-C



ELEVATION

GENERAL NOTES

- WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
- THE SURVEY MONUMENT COVER ASSEMBLY SHALL BE CENTERED ABOVE THE SURVEY MONUMENT TO BE PROTECTED.
- MODIFICATION OF THE ALUMINUM CASTING SHALL BE DONE BY GRINDING OR SAWING WHEN HEIGHT REDUCTION IS REQUIRED.
- ALL SURVEY MONUMENT COVER ASSEMBLIES SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
- 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.
- 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.
- 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.
- THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

BILL OF MATERIAL

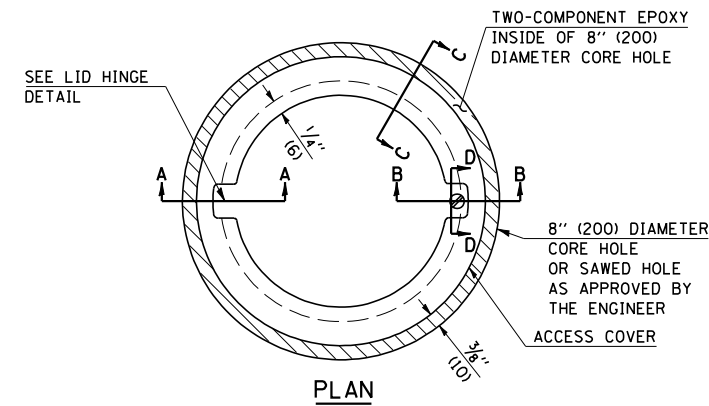
ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 4 EACH - 3/8" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

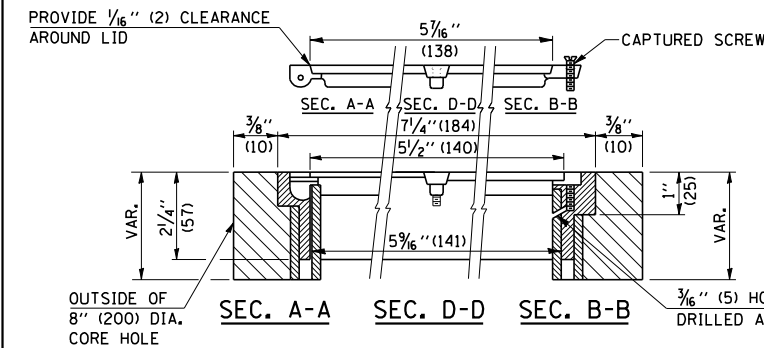
NAME	DATE	REVISIONS
DESIGNED	A.W.H. 2-28-91	NAME DATE
CHECKED	J.H.M. 2-28-91	D.L.P. 10/96
CADD NO.	D-1.04	K.A.G. 08/04

X0301232 - SURVEY MARKER VAULT

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

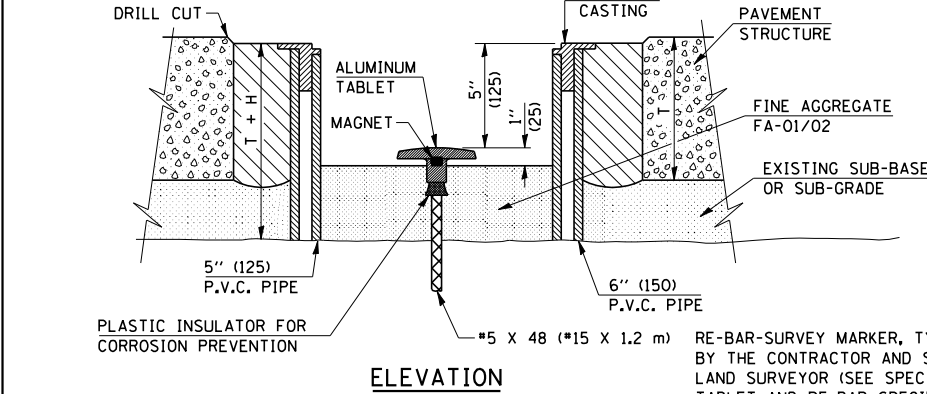


SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; 00-A-601Es. NO EXCEPTIONS.



LEGEND

- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY
- T = THICKNESS OF PAVEMENT STRUCTURE
- H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)



ELEVATION

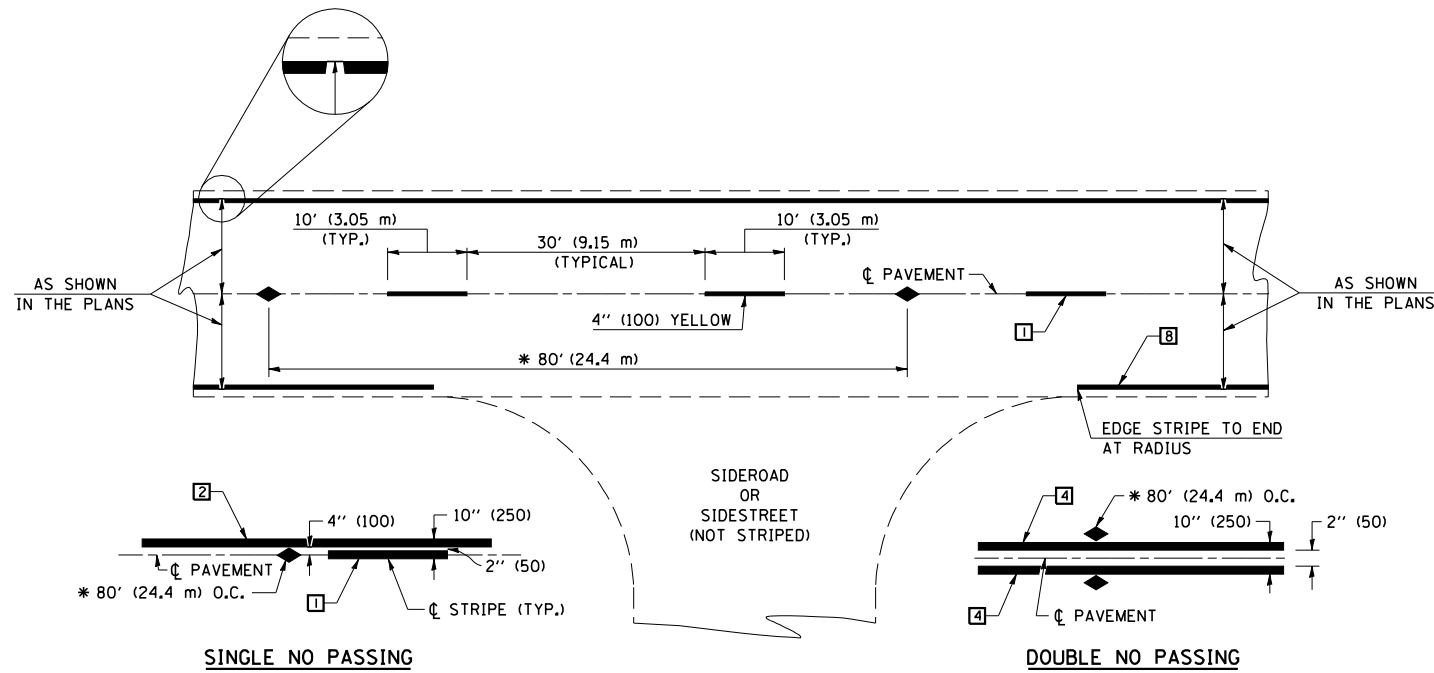
GENERAL NOTES

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

BILL OF MATERIAL

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40, ALUMINUM TABLET, STAMPED IN ACCORDANCE WITH STANDARD 667101, 3/8" X 48" (#15 X 1.2 m) RE-BAR, EPOXY AND FA-01/02 AGGREGATE.

TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



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

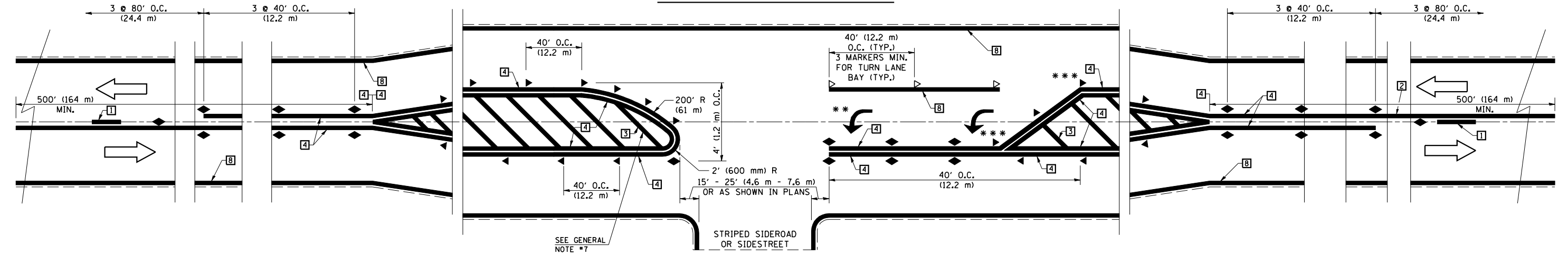
TYPICAL PAVEMENT MARKING LEGEND

- | | | |
|----|---------------------------------------|--|
| 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) CROSS WALK (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

DETAIL OF RURAL LEFT TURN LANE



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

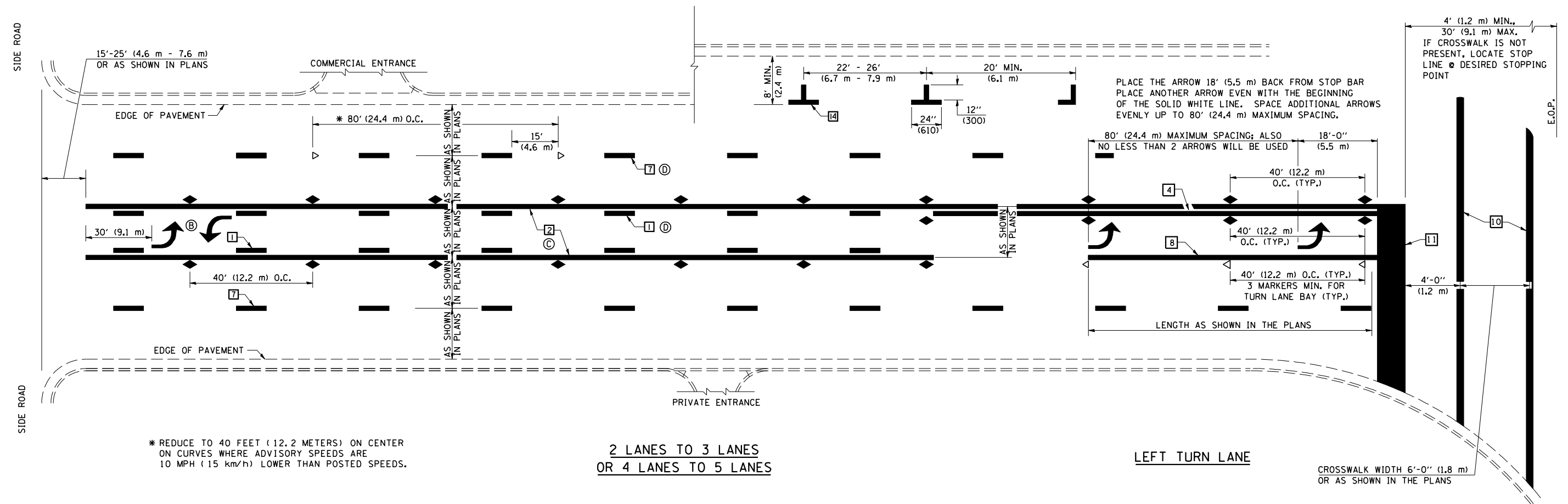
SHEET 1 OF 4

DESIGNED	NAME	DATE	REVISIONS	DATE
J.M.H.	J.M.H.	5/85		
6/88				
CHECKED	FMS	6/85	GEOMETRICS/K.A.G.	07/02
CADD NO.	F-5,25	6/88	K.A.G.	09/05

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	(25R)RS	CHAMPAIGN	50	47

TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS

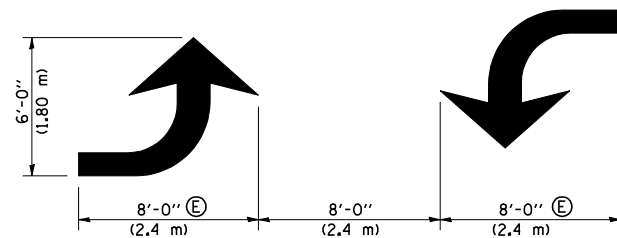


SHEET 2 OF 4

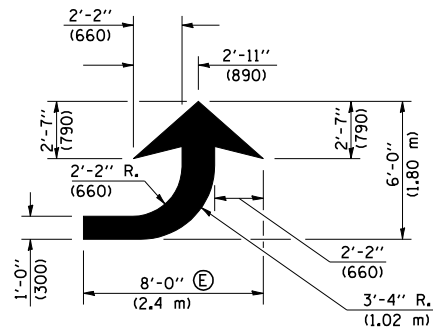
	NAME	DATE	REVISIONS
DESIGNED	J.M.H.	5/85	NAME
CHECKED	FMS	6/88	DATE
CADD NO.	CTD	6/88	GEOMETRICS/K.A.G.
	F-5,25		K.A.G.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

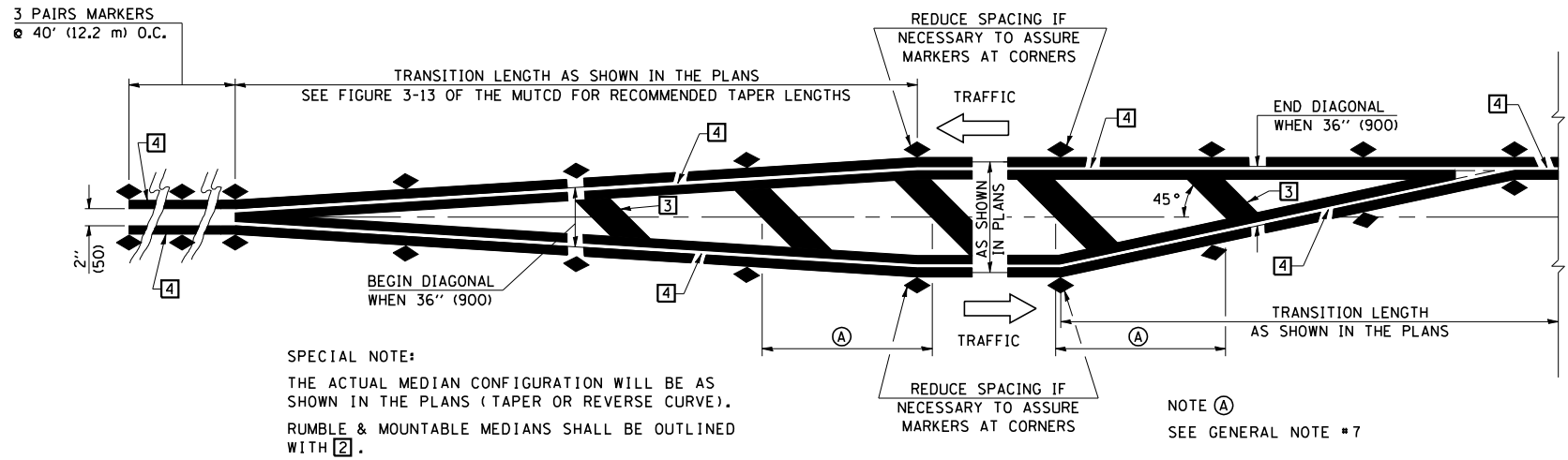
TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



**TYPICAL DOUBLE
TURN ARROWS (WHITE)**



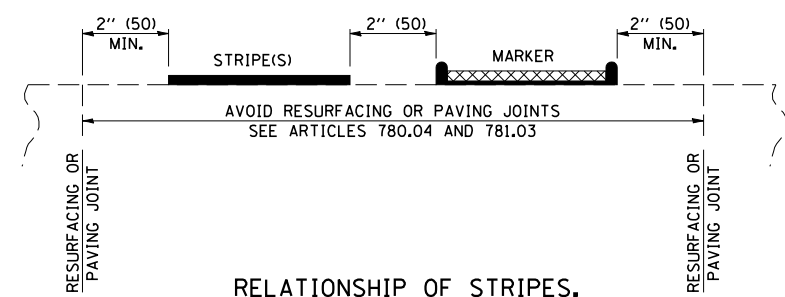
LEFT ARROW
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)



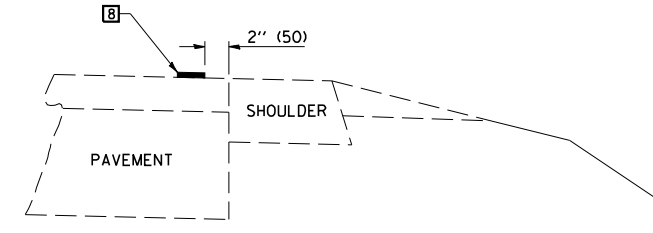
SPECIAL NOTE:
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

NOTE (A)
SEE GENERAL NOTE # 7

TYPICAL MEDIAN TRANSITIONS



**RELATIONSHIP OF STRIPES,
MARKERS AND JOINTS**



**RELATIONSHIP OF EDGE STRIPE TO
SAFETY SHOULDER OR PAVED SURFACE**

- SPECIAL NOTES:**
- (B) 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.
 - (C) 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.
 - (D) 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.
 - (E) TURN ARROW SIZE DEPENDS ON THE LOCATION.
RURAL LOCATION - LARGE ARROW SIZE
URBAN LOCATION - SMALL ARROW SIZE

GENERAL NOTES

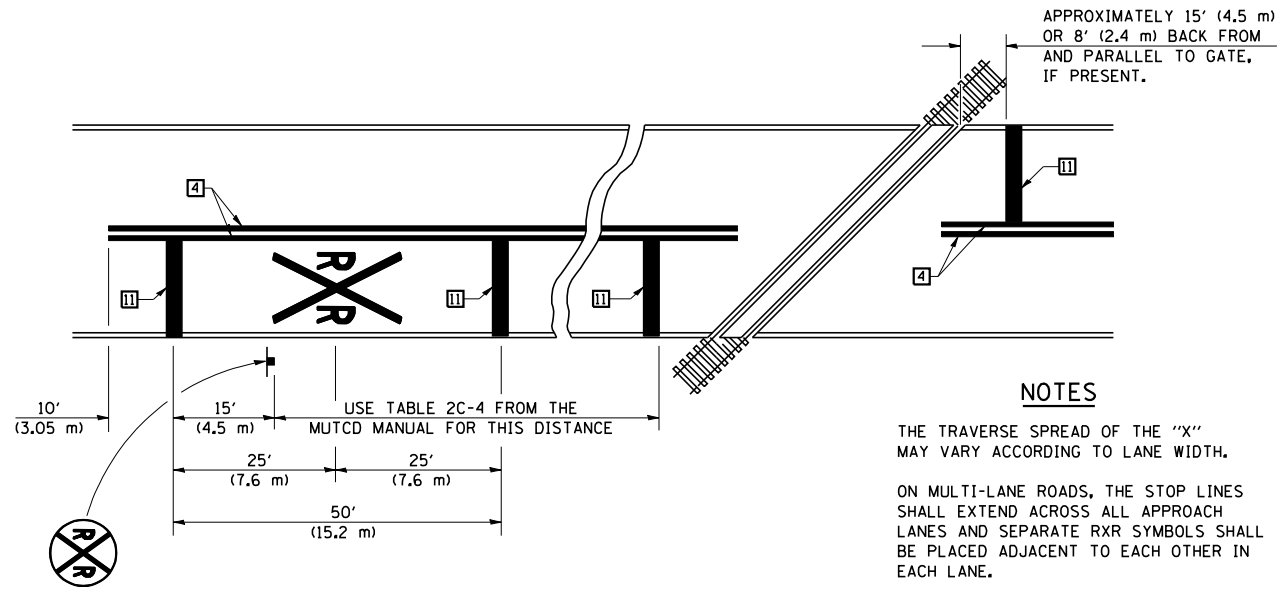
1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SCALE: NONE
3. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
4. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
5. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
6. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
7. 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)

SHEET 3 OF 4

DESIGNED	NAME	DATE	REVISIONS	DATE
J.M.H.	J.M.H.	5/85	NAME	07/02
FMS	FMS	6/88	GEOMETRICS/K.A.G.	09/05
CTD	CTD	6/88		
CADD NO.	F-5,25		K.A.G.	

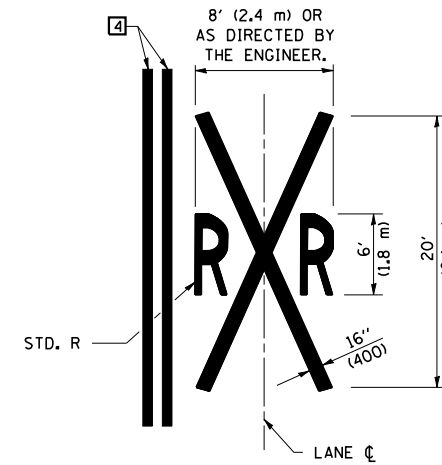
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



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.



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

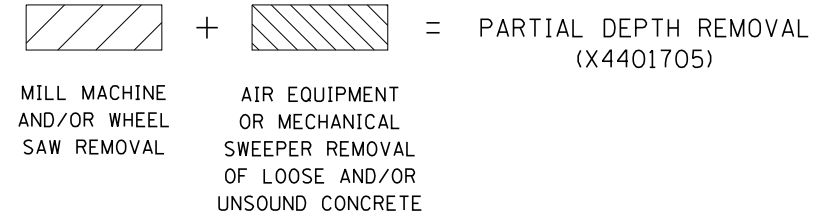
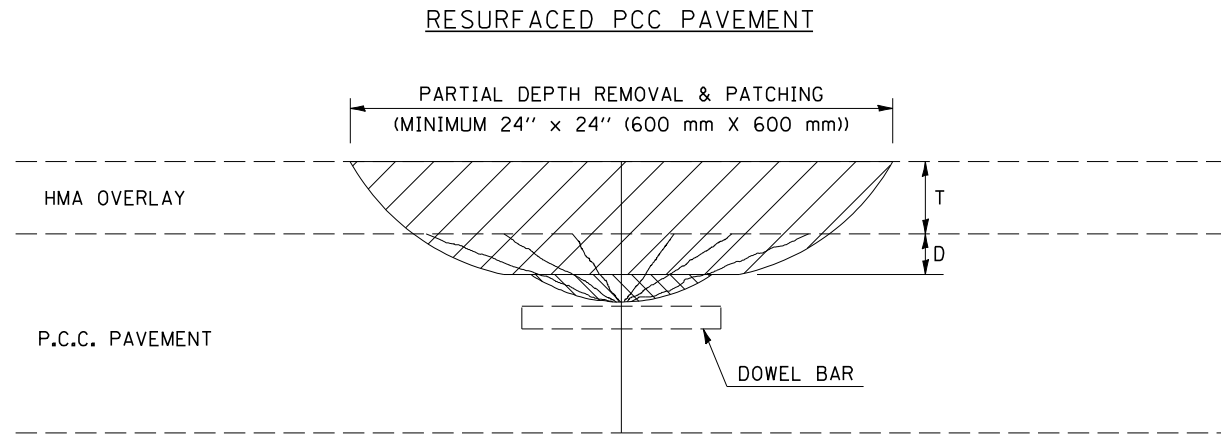
SHEET 4 OF 4

	NAME	DATE	REVISIONS
DESIGNED	J.M.H.	5/85	NAME
CHECKED	FMS	6/88	DATE
	CTD	6/85	GEOMETRICS/K.A.G.
CADD NO.	F-5,25	6/88	K.A.G.
			09/05

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	125R1RS	CHAMPAIGN	50	50

PCC PARTIAL DEPTH HOT-MIX ASPHALT PATCHING



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.

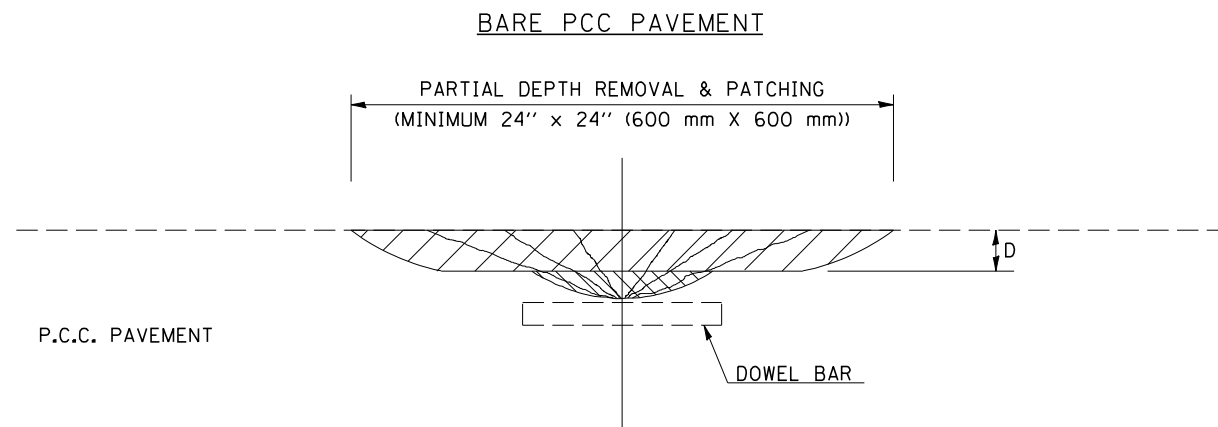
T = THICKNESS OF HMA OVERLAY(S). SEE EXISTING TYPICAL CROSS SECTION.

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.



PLOT DATE = 10/24/2006
 FILE NAME = c:\projects\4593181\c81\sect.dgn
 PLOT SCALE = 42,352% / IN.
 USER NAME = carrollt

	NAME	DATE	REVISIONS	
			NAME	DATE
DESIGNED	T.J.B.	08/06		
CHECKED				
CADD NO.	X4421000			

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.