

FA ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	*	**	24	1

- D5 CRACK & JOINT SEAL 2006-1
- CHAMPAIGN, EDGAR & VERMILION

D-95-014-06

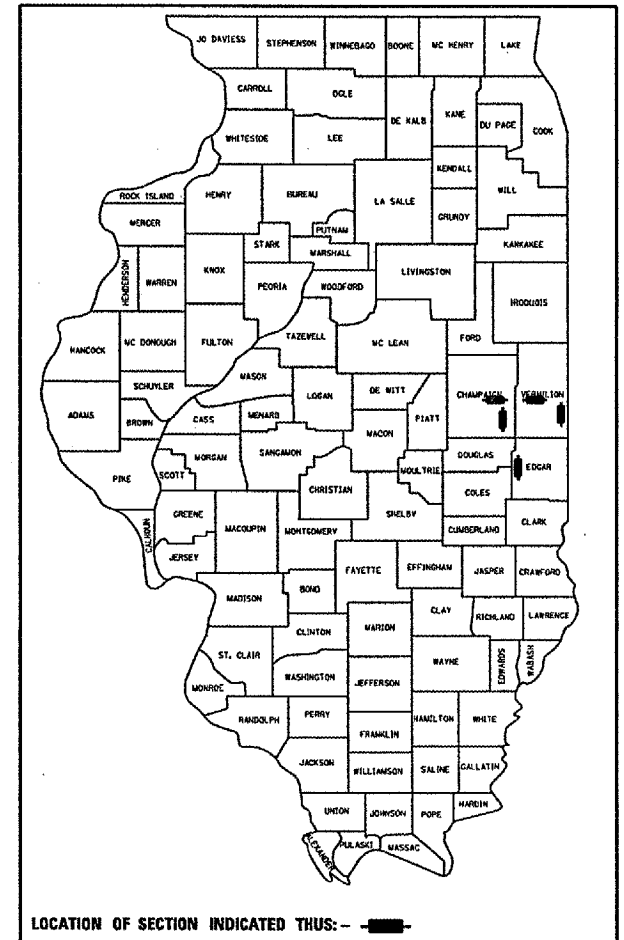
FOR INDEX OF SHEETS, SEE SHEET NO. 2
 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 7

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

VARIOUS ROUTES SECTION D5 CRACK & JOINT SEAL 2006-1 CHAMPAIGN, EDGAR, & VERMILION COUNTIES

C-95-014-06

ROUT & SEAL CRACKS



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED 02/23/05
[Signature]
 DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

February 3, 2006
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

February 5, 2006
[Signature]
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

CURRENT ADT	
LOCATION #1	12,100 (2003)
LOCATION #2	10,600 (2003)
LOCATION #3	1,700 (2003)
LOCATION #4	28,000 (2003)
LOCATION #5	29,900 (2003)
LOCATION #6	28,500 (2003)

DESIGN DESIGNATION
 N/A

FOR LOCATION MAPS, SEE SHEETS NO. 3-5

FOR TOTAL & NET LENGTHS, SEE SHEETS NO. 3-5

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

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 OF THE STATE OF ILLINOIS**

PROJECT ENGINEER: KENSIL A. GARNETT (217)465-4181
 SQUAD LEADER: CHRIS GREESON
 DESIGNER: MATT BOWER

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	24	2

- * D5 CRACK & JOINT SEAL 2006-1
- ** CHAMPAIGN, EDGAR & VERMILION

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>ITEM</u>
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20	TYPICAL DETAILS FOR CRACK SEALING FOR BITUMINOUS PAVEMENT
21-23	TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS
24	TYPICAL APPLICATIONS OF PAVEMENT MARKINGS FOR INTERSTATE AND MULTI-LANE DIVIDED HIGHWAYS

LIST OF STANDARDS

<u>STANDARD NUMBER</u>	<u>NAME OF STANDARD</u>
701306-01	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701426-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS >= 45 MPH
701501-03	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-01	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
702001-05	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS

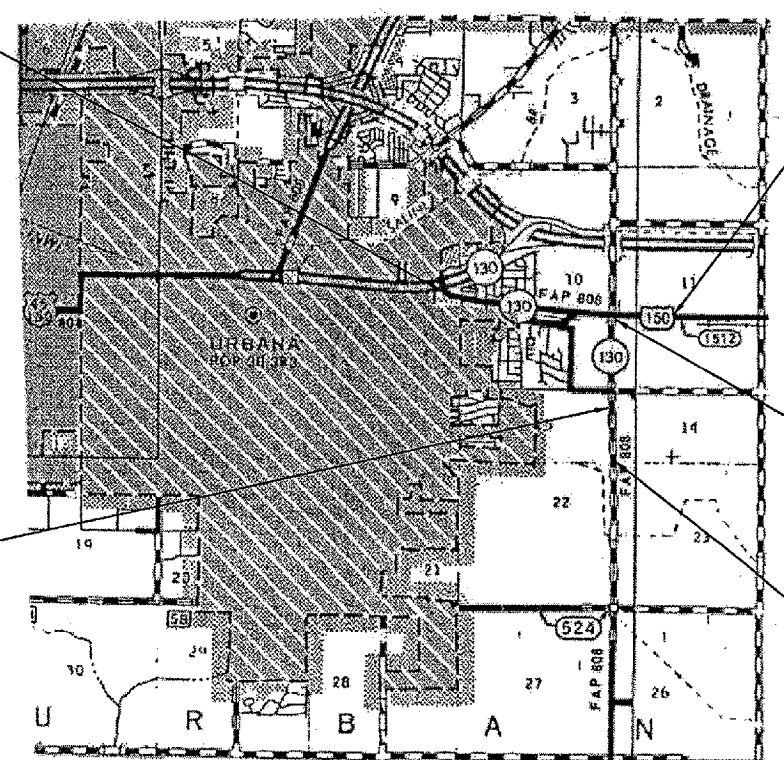
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	24	3

- * D5 CRACK & JOINT SEAL 2006-1
- ** CHAMPAIGN, EDGAR & VERMILION

LOCATION MAP #1
IL 130 /U.S. 150, FROM NORTH OF WASHINGTON ST.
TO U.S. 150 INTERSECTION THEN WEST TO
UNIVERSITY AVENUE - URBANA

CHAMPAIGN COUNTY /URBAN 2 - 3 LANE

SECTION D5 CRACK & JOINT SEAL 2006-1 BEGINS @ STATION 448+57.75 (U.S. ROUTE 150)

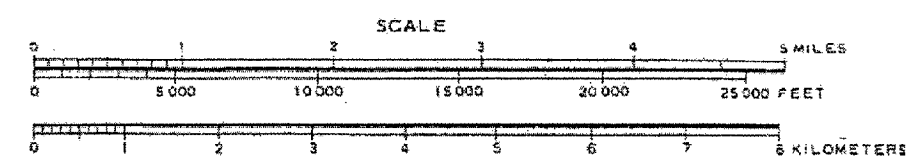


STATION EQUATION:
 STATION 89+16.46 (BK.) =
 STATION 89+15.00 (AH.)

SECTION D5 CRACK & JOINT SEAL 2006-1 ENDS @ STATION 519+05.00 (U.S. ROUTE 150)

SECTION D5 CRACK & JOINT SEAL 2006-1 ENDS @ STATION 121+88.25 (IL ROUTE 130)

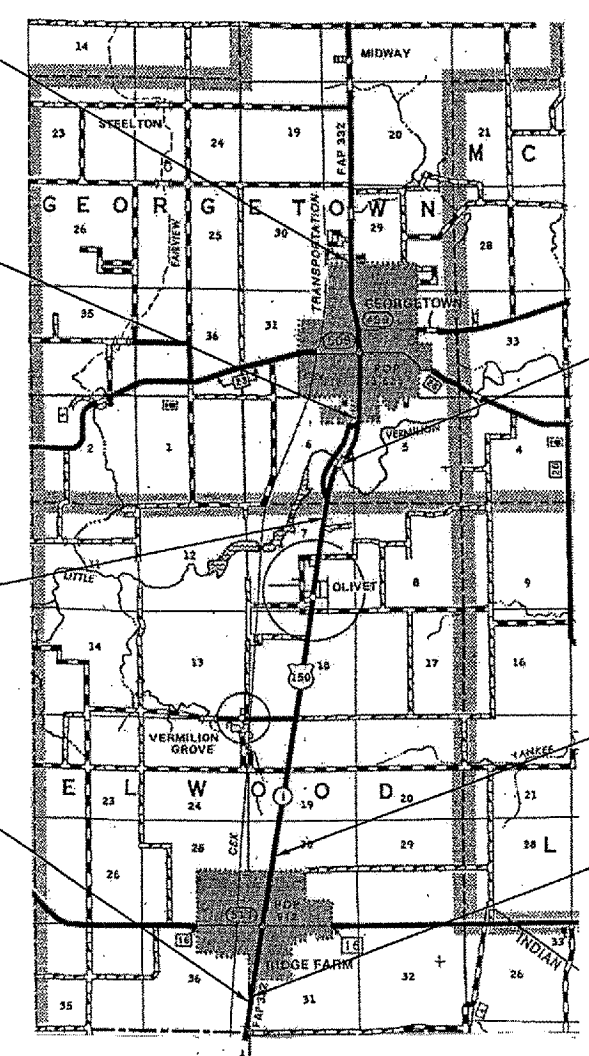
SECTION D5 CRACK & JOINT SEAL 2006-1 BEGINS @ STATION 71+63.00 (IL ROUTE 130)



TOTAL LENGTH OF SECTION = 12,073.96 FT. = 2.287 MILES
 NET LENGTH OF SECTION = 12,073.96 FT. = 2.287 MILES

LOCATION MAP #2
IL 1, FROM NCL GEORGETOWN TO
SCL OF RIDGE FARM
VERMILION COUNTY /RURAL 2-LANE

SECTION D5 CRACK & JOINT SEAL 2006-1 BEGINS @ STATION 2628+75.00



STATION EQUATION:
 STATION 2548+32.00 (BK.) =
 STATION 2548+22.90 (AH.)

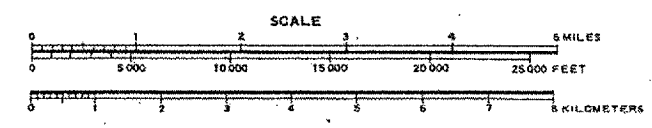
STATION EQUATION:
 STATION 2486+21.90 (BK.) =
 STATION 571+39.00 (AH.)
 (STATIONING CHANGES DIRECTIONS)

SECTION D5 CRACK & JOINT SEAL 2006-1 ENDS @ STATION 802+15.00

BRIDGE OMISSION:
 S.N. 092-0041
 STATION 2524+24.70 TO
 STATION 2521+59.30

STATION EQUATION:
 STATION 743+58.80 (BK.) =
 STATION 2202+00.20 (AH.)

STATION EQUATION:
 STATION 2259+99.97 (BK.) =
 STATION 800+96.00 (AH.)



TOTAL LENGTH OF SECTION = 37,382.57 FT. = 7.080 MILES
 NET LENGTH OF SECTION = 37,117.17 FT. = 7.030 MILES

PLOT DATE = 12/15/2005
 FILE NAME = c:\projects\70492\70492plans.dgn
 PLOT SCALE = 43.2355 / IN.
 USER NAME = pierstonb

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	24	4

• D5 CRACK & JOINT SEAL 2006-1
 ** CHAMPAIGN, EDGAR & VERMILION

LOCATION MAP #3 IL 49, FROM KANSAS TO CHAMPAIGN COUNTY LINE

EDGAR COUNTY /RURAL 2-LANE

SECTION D5 CRACK & JOINT SEAL 2006-1
 ENDS @ STATION 320+46.00

STATION EQUATION:
 STATION 124+86.86 (BK.) =
 STATION 125+00.00 (AH.)

STATION EQUATION:
 STATION 873+45.00 (BK.) =
 STATION 0+00.00 (AH.)

STATION EQUATION:
 STATION 543+01.58 (BK.) =
 STATION 543+01.65 (AH.)

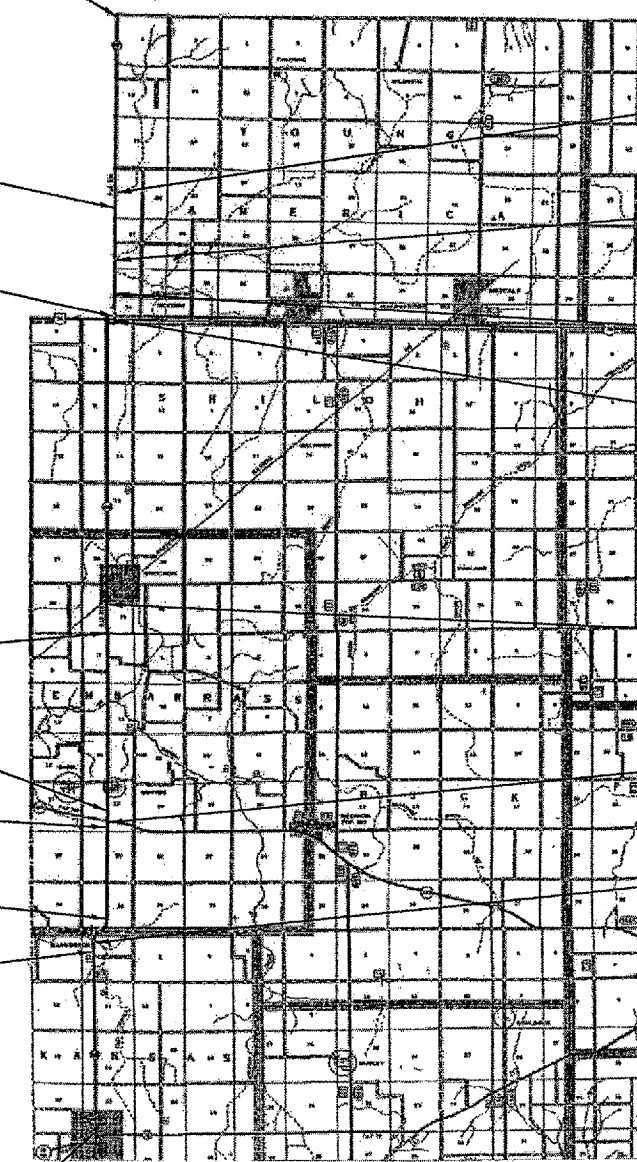
STATION EQUATION:
 STATION 58+75.66 (BK.) =
 STATION 352+07.00 (AH.)

STATION EQUATION:
 STATION 324+50.00 (BK.) =
 STATION 31+19.00 (AH.)

STATION EQUATION:
 STATION 248+84.56 (BK.) =
 STATION 246+78.52 (AH.)

STATION EQUATION:
 STATION 191+14.30 (BK.) =
 STATION 191+11.74 (AH.)

SECTION D5 CRACK & JOINT SEAL 2006-1
 BEGINS @ STATION 3+35.00



OMISSION FROM RESURFACING:
 STATION 135+02.17 TO
 STATION 135+75.83

BRIDGE OMISSION:
 S. N. 023-0022
 STATION 69+65.35 TO
 STATION 69+94.66

RAILROAD OMISSION:
 STATION 26+05.00 TO
 STATION 26+14.00

OMISSION FROM RESURFACING:
 STATION 868+80.00 TO
 STATION 4+30.00

RAILROAD OMISSION:
 STATION 575+86.95 TO
 STATION 576+15.70

OMISSION FROM RESURFACING:
 STATION 31+19.00 TO
 STATION 58+75.66

BRIDGE OMISSION:
 S. N. 023-0026
 STATION 208+35.70 TO
 STATION 209+44.05



TOTAL LENGTH OF SECTION = 119,251.05 FT. = 22.585 MILES
 NET LENGTH OF SECTION = 115,350.32 FT. = 21.847 MILES



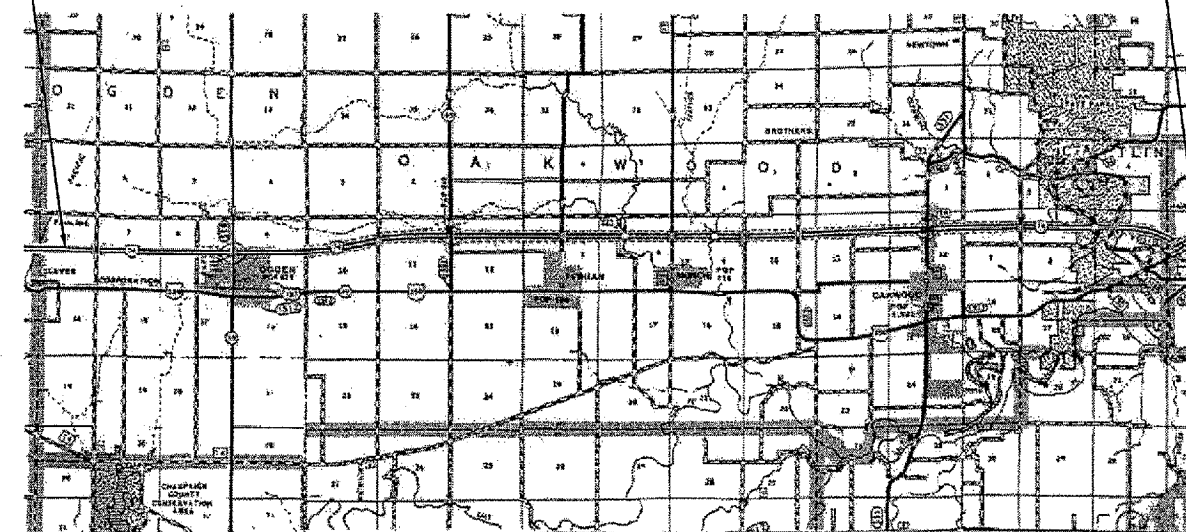
LOCATION MAP #4 F.A.I. 74, FROM WEST OF OGDEN TO U.S. 150

CHAMPAIGN & VERMILION COUNTIES /RURAL 2-LANE, URBAN 2-LANE

OMISSIONS FROM RESURFACING:
 STATION 900+32.00 TO STATION 902+26.00
 STATION 999+85.10 TO STATION 1001+79.10
 STATION 1106+33.18 TO STATION 1108+27.18
 STATION 1159+13.70 TO STATION 1161+07.70
 STATION 1240+24.59 TO STATION 1242+18.59
 STATION 1319+72.33 TO STATION 1321+66.33
 STATION 1412+61.00 TO STATION 1414+67.00
 STATION 1627+88.22 TO STATION 1632+12.11

SECTION D5 CRACK & JOINT SEAL 2006-1
 BEGINS @ STATION 880+00.00

SECTION D5 CRACK & JOINT SEAL 2006-1
 ENDS @ STATION 1720+00.00



TOTAL LENGTH OF SECTION = 84,000.00 FT. = 15.909 MILES
 NET LENGTH OF SECTION = 82,206.11 FT. = 15.569 MILES



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	24	5

* D5 CRACK & JOINT SEAL 2006-1
 ** CHAMPAIGN, EDGAR & VERMILION

LOCATION MAP #5

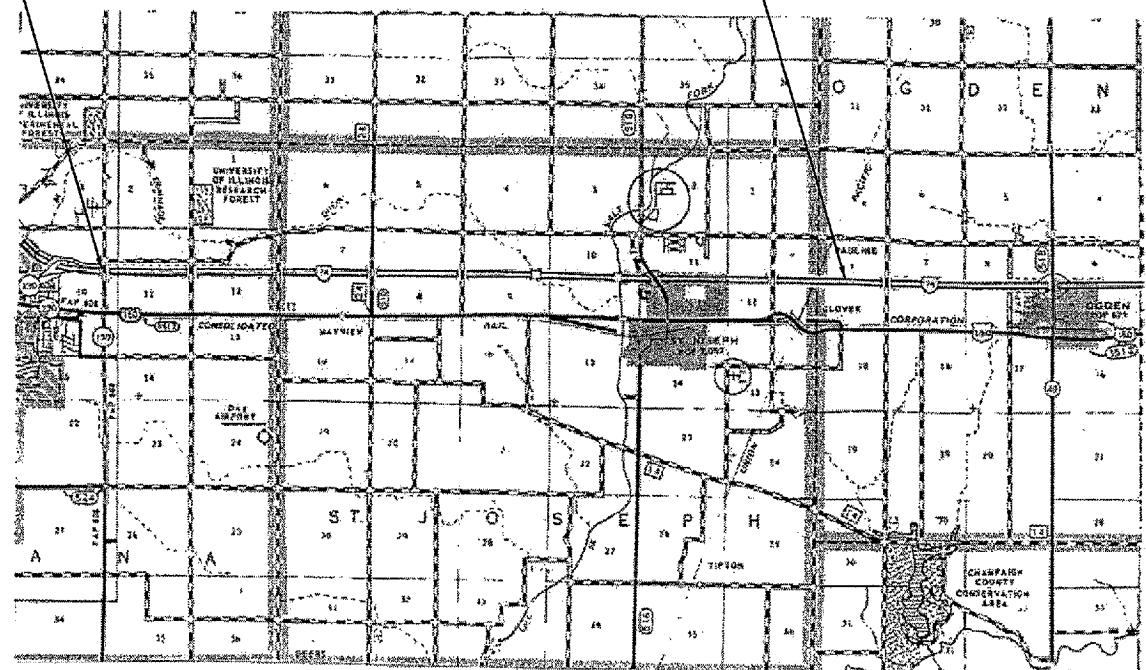
F.A.I. 74, FROM HIGH CROSS ROAD TO EAST OF ST. JOSEPH

CHAMPAIGN COUNTY /RURAL 2-LANE, URBAN 2-LANE

OMISSIONS FROM RESURFACING:
 STATION 482+86.00 TO STATION 484+80.00
 STATION 536+00.00 TO STATION 537+94.00
 STATION 591+61.00 TO STATION 593+55.00
 STATION 644+83.00 TO STATION 646+77.00
 STATION 688+79.00 TO STATION 690+97.50
 STATION 738+19.75 TO STATION 740+24.25
 STATION 760+58.00 TO STATION 762+86.00
 STATION 831+34.00 TO STATION 833+29.00
 STATION 856+97.60 TO STATION 859+19.80

SECTION D5 CRACK & JOINT SEAL 2006-1
 BEGINS @ STATION 429+00.00

SECTION D5 CRACK & JOINT SEAL 2006-1
 ENDS @ STATION 880+00.00



TOTAL LENGTH OF SECTION = 45,100.00 FT. = 8.542 MILES
 NET LENGTH OF SECTION = 43,255.80 FT. = 8.192 MILES

LOCATION MAP #6

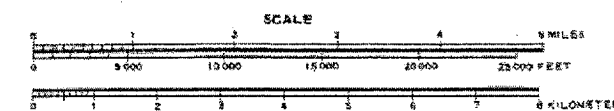
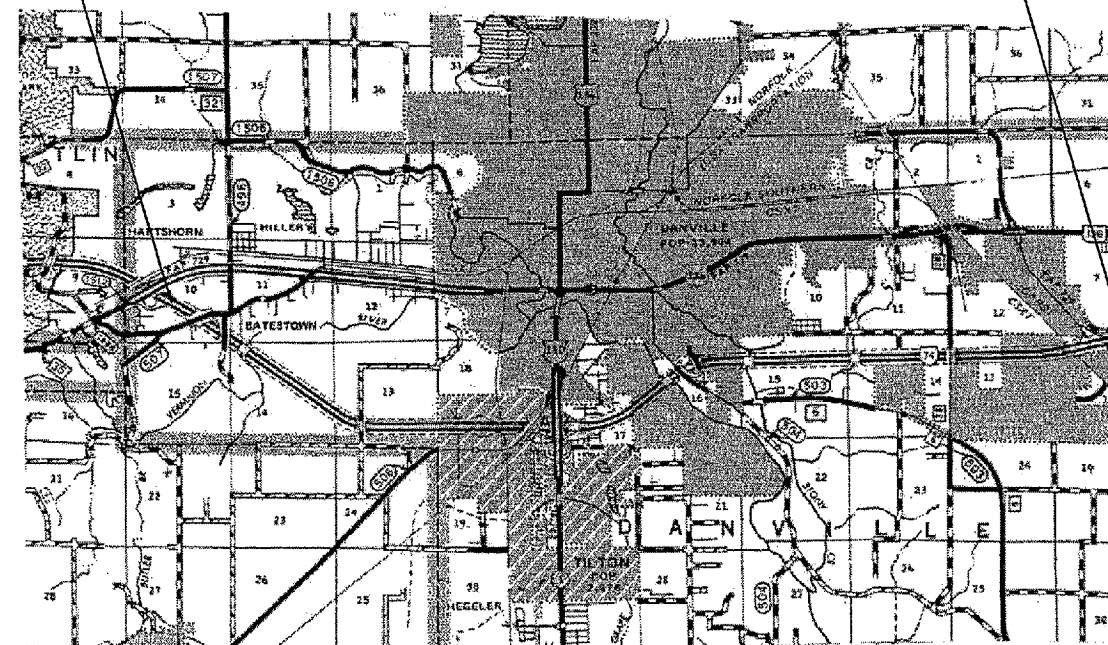
F.A.I. 74, FROM U.S. 150 TO INDIANA STATE LINE

VERMILION COUNTY /URBAN 2-LANE

OMISSIONS FROM RESURFACING:
 STATION 1750+93.83 TO STATION 1758+43.50
 STATION 1875+57.43 TO STATION 1879+22.43
 STATION 1889+74.81 TO STATION 1902+59.98
 STATION 1989+14.75 TO STATION 1996+30.02
 STATION 2032+80.78 TO STATION 2034+52.28
 STATION 2035+94.00 TO STATION 2039+51.00
 STATION 2201+70.83 TO STATION 2205+41.83
 STATION 2212+42.15 TO STATION 2214+99.10

SECTION D5 CRACK & JOINT SEAL 2006-1
 BEGINS @ STATION 1720+00.00

SECTION D5 CRACK & JOINT SEAL 2006-1
 ENDS @ STATION 2231+13.24



TOTAL LENGTH OF SECTION = 51,113.24 FT. = 9.681 MILES
 NET LENGTH OF SECTION = 46,841.68 FT. = 8.872 MILES

PLOT DATE = 12/16/2005
 FILE NAME = C:\PROJ\sect5\501405\1\B\1\70492\plots.dgn
 PLOT SCALE = 43,235' / IN.
 USER NAME = Diersombr

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	24	6

* D5 CRACK & JOINT SEAL 2006-1
 ** CHAMPAIGN, EDGAR & VERMILION

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. -107.12A

RAILROAD PROTECTIVE LIABILITY INSURANCE IS NOT INCLUDED IN THIS CONTRACT. ALL ROUT AND SEAL OPERATIONS SHALL STOP AT THE RAILROAD RIGHT-OF-WAY LINE. THE RAILROAD RIGHT-OF-WAY LINE SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.

G. N. - 451 (SPECIAL)

CRACK ROUTING AND FILLING CONSISTS OF BOTH LONGITUDINAL AND TRANSVERSE CRACKS. AN APPLICATION RATE OF 0.40 LBS./FOOT WAS USED TO DETERMINE CRACK FILLING QUANTITIES. AT LOCATIONS #4 AND LOCATION #5 THE SEALANT WILL BE DUSTED WITH FINE SAND, PORTLAND CEMENT, OR MINERAL FILLER, OR COVERED WITH TISSUE PAPER TO PREVENT TRACKING.

LOCATION #1

THE INTENT IN LOCATION #1 IS TO ROUT AND SEAL THE ENTIRE CENTERLINE & AUXILIARY LANE JOINTS, AND ALL TRANSVERSE CRACKS AND MISCELLANEOUS LONGITUDINAL CRACKS IN THE EXISTING PAVEMENT.

LONGITUDINAL: 7565 LBS
 TRANSVERSE : 786 LBS
 TOTAL: 8351 LBS (ESTIMATED)

LOCATION #2

THE INTENT IN LOCATION #2 IS TO ROUT AND SEAL THE ENTIRE CENTERLINE & AUXILIARY LANE JOINTS, ALL TRANSVERSE CRACKS AND MISCELLANEOUS LONGITUDINAL CRACKS IN THE EXISTING PAVEMENT.

LONGITUDINAL: 23733 LBS
 TRANSVERSE : 3183 LBS
 TOTAL: 26871 LBS (ESTIMATED)

LOCATION #3

THE INTENT IN LOCATION #3 IS TO ROUT AND SEAL THE ENTIRE CENTERLINE & AUXILIARY LANE JOINTS, ALL TRANSVERSE CRACKS AND MISCELLANEOUS LONGITUDINAL CRACKS IN THE EXISTING PAVEMENT.

LONGITUDINAL: 55382 LBS
 TRANSVERSE : 9098 LBS
 TOTAL: 64480 LBS (ESTIMATED)

LOCATION #4

THE INTENT IN LOCATION #4 IS TO ROUT AND SEAL THE ENTIRE CENTERLINE & AUXILIARY LANE JOINTS, ALL TRANSVERSE CRACKS AND MISCELLANEOUS LONGITUDINAL CRACKS IN THE EXISTING PAVEMENT.

LONGITUDINAL: 73182 LBS
 TRANSVERSE : 13688 LBS
 TOTAL: 86870 LBS (ESTIMATED)

LOCATION #5

THE INTENT IN LOCATION #5 IS TO ROUT AND SEAL THE ENTIRE CENTERLINE & AUXILIARY LANE JOINTS, ALL TRANSVERSE CRACKS AND MISCELLANEOUS LONGITUDINAL CRACKS IN THE EXISTING PAVEMENT.

LONGITUDINAL: 10336 LBS
 TRANSVERSE : 38397 LBS
 TOTAL: 48733 LBS (ESTIMATED)

LOCATION #6

THE INTENT IN LOCATION #6 IS TO ROUT AND SEAL THE ENTIRE CENTERLINE & AUXILIARY LANE JOINTS, ALL TRANSVERSE CRACKS AND MISCELLANEOUS LONGITUDINAL CRACKS IN THE EXISTING PAVEMENT.

LONGITUDINAL: 9221 LBS
 TRANSVERSE : 40994 LBS
 TOTAL: 50215 LBS

NOTE: ANY CHANGES TO THE INTENT OF ROUTING AND SEALING AT THE ABOVE LISTED LOCATIONS SHALL BE APPROVED BY THE ENGINEER.

G. N. - 451A (SPECIAL)

THE SECTION OF 452.04, WHICH REFERS TO BACKER ROD PLACEMENT, SHALL ALSO APPLY TO THIS CONTRACT. THIS WORK SHALL BE PERFORMED AT THE DISCRETION OF THE ENGINEER IN ORDER TO KEEP THE APPLICATION RATE OF JOINT FILLER AS CLOSE TO THE DESIGN RATE OF 0.40 LBS./FOOT AS POSSIBLE. FURNISHING AND INSTALLING BACKER ROD WHEN REQUIRED BY THE ENGINEER WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	24	7

* D5 CRACK & JOINT SEAL 2006-1
 ** CHAMPAIGN, EDGAR & VERMILION

SUMMARY OF QUANTITIES

LOCATION OF WORK: VARIOUS ROUTES D5 CRACK & JOINT SEAL 2006-1 CHAMPAIGN, EDGAR, & VERMILION COUNTIES				CHAMPAIGN CO. RURAL 100 % STATE ROUT & SEAL	CHAMPAIGN CO. URBAN 100 % STATE ROUT & SEAL	EDGAR CO. RURAL 100 % STATE ROUT & SEAL	VERMILION CO. RURAL 100 % STATE ROUT & SEAL	VERMILION CO. URBAN 100 % STATE ROUT & SEAL
CONSTRUCTION TYPE CODE:				F000	F000	F000	F000	F000
CODE NO	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
45100100	CRACK ROUTING (PAVEMENT)	FOOT	783,431.0	162,475.0	39,402.0	195,565.0	246,627.0	139,362.0
45100200	CRACK FILLING	POUND	313,372.0	64,990.0	15,761.0	78,226.0	98,650.0	55,745.0
67100100	MOBILIZATION	L SUM	1.0	0.2	0.2	0.2	0.2	0.2
70100330	TRAFFIC CONTROL AND PROTECTION 701426	L SUM	1.0	0.3	0.1	0.0	0.3	0.3
70100460	TRAFFIC CONTROL AND PROTECTION 701306	L SUM	1.0	0.0	0.1	0.7	0.2	0.0
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1.0	0.2	0.0	0.0	0.2	0.6
70102620	TRAFFIC CONTROL AND PROTECTION 701501	L SUM	1.0	0.0	0.1	0.7	0.2	0.0
70102622	TRAFFIC CONTROL AND PROTECTION 701502	L SUM	1.0	0.0	0.2	0.0	0.8	0.0
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	32,914.0	0.0	2,415.0	23,076.0	7,423.0	0.0
X7015005	CHANGEABLE MESSAGE SIGNS	CAL DAY	15.0	4.0	1.0	0.0	5.0	5.0

SEE SCHEDULE OF QUANTITIES FOR BREAKOUT BY LOCATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	24	8

* D5 CRACK & JOINT SEAL 2006-1
 ** CHAMPAIGN, EDGAR & VERMILION

SCHEDULE OF QUANTITIES

LOCATION OF WORK: VARIOUS ROUTES
 D5 CRACK & JOINT SEAL 2006-1
 CHAMPAIGN, EDGAR, & VERMILION COUNTIES

CODE NO	ITEM	UNIT	TOTAL QUANTITY	IL. 130 / U.S. 150	IL. 1	IL. 49	F. A. I 74	F. A. I 74	F. A. I. 74	F. A. I. 74	F. A. I. 74	F. A. I. 74	F. A. I. 74
				CHAMPAIGN CO. URBAN 100% STATE ROUT & SEAL	VERMILION CO. RURAL 100% STATE ROUT & SEAL	EDGAR CO. RURAL 100% STATE ROUT & SEAL	CHAMPAIGN CO. RURAL 100% STATE ROUT & SEAL	VERMILION CO. RURAL 100% STATE ROUT & SEAL	VERMILION CO. URBAN 100% STATE ROUT & SEAL	CHAMPAIGN CO. URBAN 100% STATE ROUT & SEAL	CHAMPAIGN CO. RURAL 100% STATE ROUT & SEAL	VERMILION CO. RURAL 100% STATE ROUT & SEAL	VERMILION CO. URBAN 100% STATE ROUT & SEAL
LOCATION:				LOCATION #1	LOCATION #2	LOCATION #3	LOCATION #4	LOCATION #4	LOCATION #4	LOCATION #5	LOCATION #5	LOCATION #5	LOCATION #6
				QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
45100100	CRACK ROUTING (PAVEMENT)	FOOT	783,431.0	23,373.0	74,826.0	195,565.0	47,993.0	171,801.0	13,824.0	16029.0	114,482.0	125,538.0	
45100200	CRACK FILLING	POUND	313,372.0	9,349	29,930	78,226	19,197	68,720	5,530	6,412	45,793	50,215	
67100100	MOBILIZATION	L SUM	1.0	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	
70100330	TRAFFIC CONTROL AND PROTECTION 701426	L SUM	1.0	0.0	0.0	0.0	0.1	0.3	0.1	0.1	0.2	0.2	
70100460	TRAFFIC CONTROL AND PROTECTION 701306	L SUM	1.0	0.1	0.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.1	0.5	
70102620	TRAFFIC CONTROL AND PROTECTION 701501	L SUM	1.0	0.1	0.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	
70102622	TRAFFIC CONTROL AND PROTECTION 701502	L SUM	1.0	0.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	32,914.0	2,415.0	7,423.0	23,076.0	0.0	0.0	0.0	0.0	0.0	0.0	
X7015005	CHANGEABLE MESSAGE SIGNS	CAL DAY	15.0	0.0	0.0	0.0	1.0	5.0	1.0	1.0	3.0	4.0	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	.	**	24	9

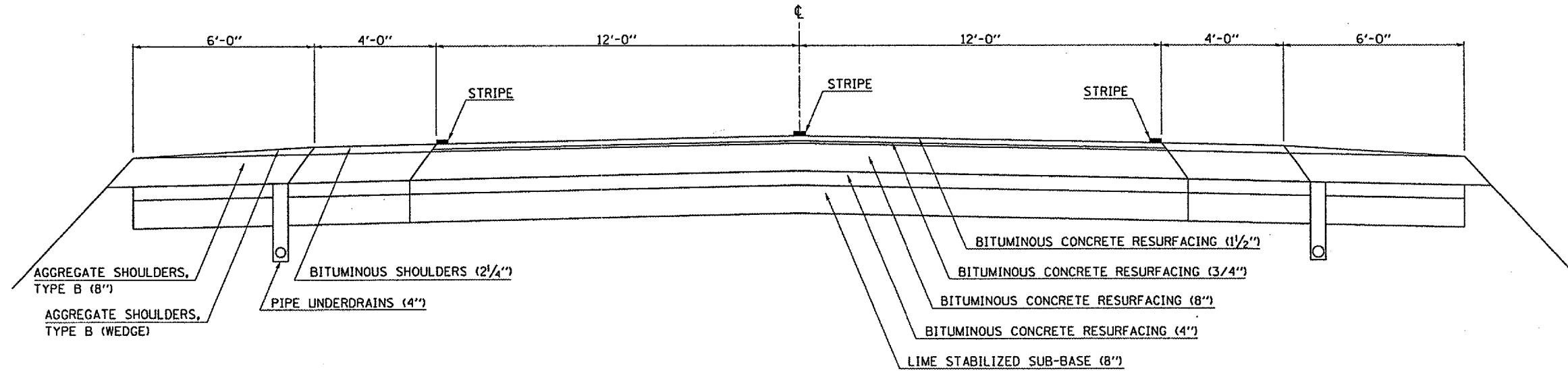
- * D5 CRACK & JOINT SEAL 2006-1
- ** CHAMPAIGN, EDGAR & VERMILION

TYPICAL CROSS SECTION 1A

LOCATION #1 (IL. 130)

STATION TO STATION
 71+63.00 (AH.) 89+16.46 (BK.)
 89+15.00 (AH.) 121+88.25

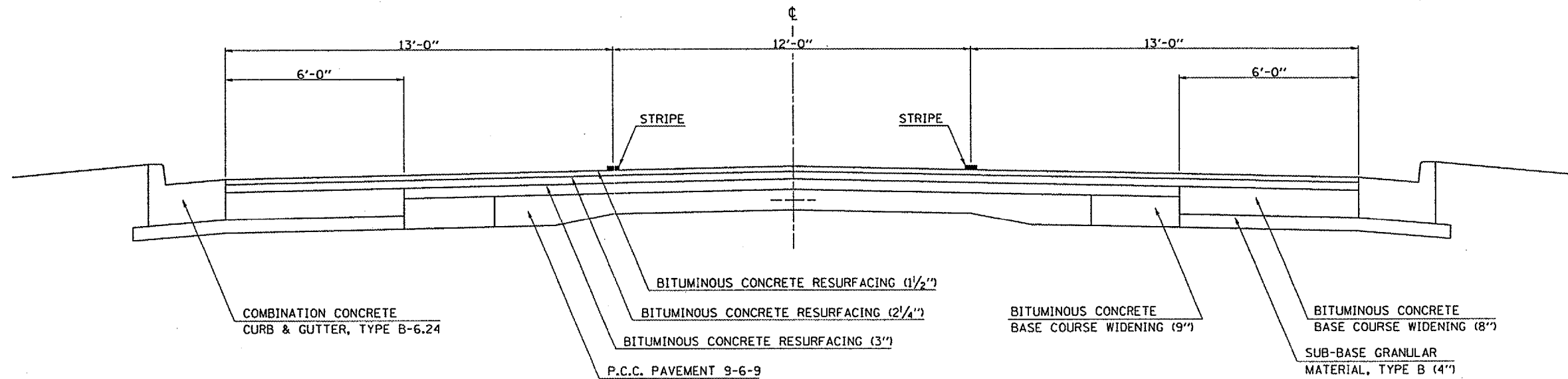
STATION EQUATION:
 STATION 89+16.46 (BK.) = STATION 89+15.00 (AH.)



TYPICAL CROSS SECTION 1B

LOCATION #1 (U. S. 150)

STATION TO STATION
 448+57.75 499+95.00 (C)



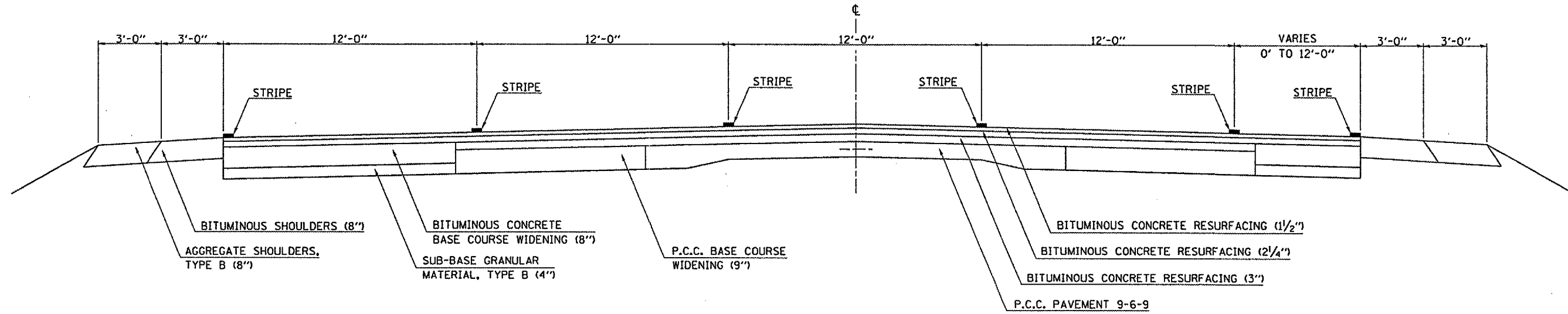
F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	24	10

- D5 CRACK & JOINT SEAL 2006-1
- CHAMPAIGN, EDGAR & VERMILION

TYPICAL CROSS SECTION 1C

LOCATION #1 (U. S. 150)

STATION 499+95.00 TO STATION 519+05.00



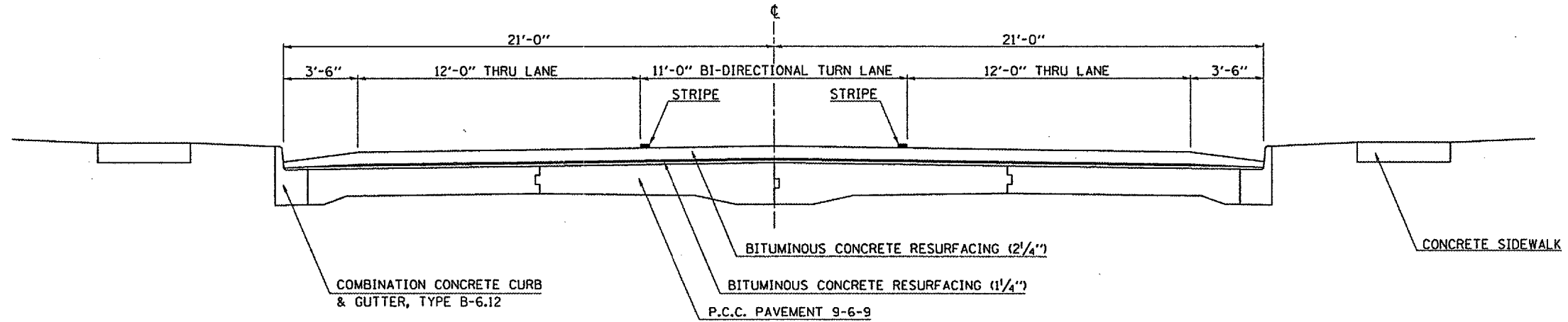
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	24	11

- * D5 CRACK & JOINT SEAL 2006-1
- ** CHAMPAIGN, EDGAR & VERMILION

TYPICAL CROSS SECTION (2A)

LOCATION #2

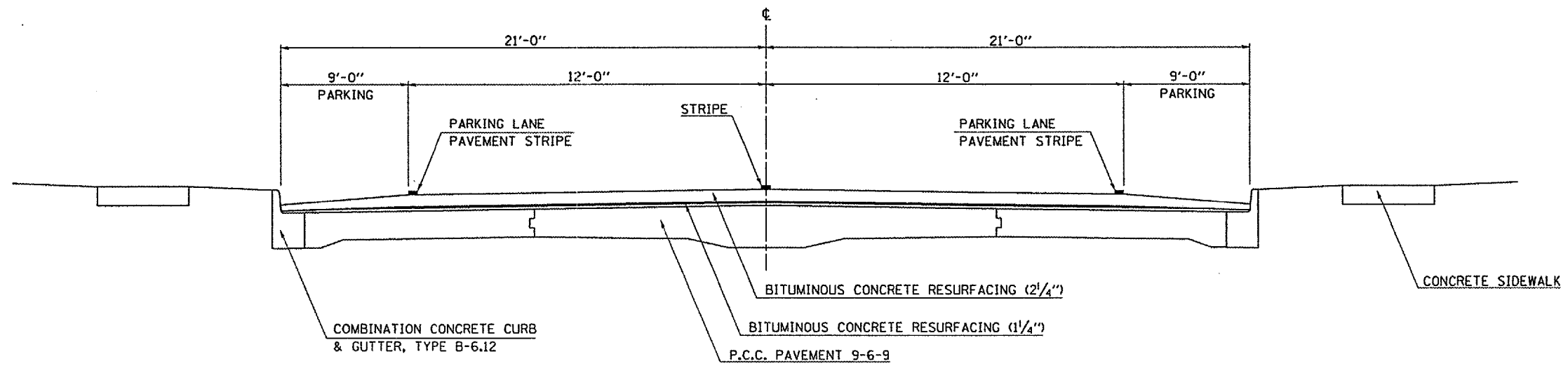
STATION 2628+75.00 TO STATION 2567+96.00 (2A)



TYPICAL CROSS SECTION (2B)

LOCATION #2

STATION 2567+96.00 TO STATION 2549+66.00 (2B)



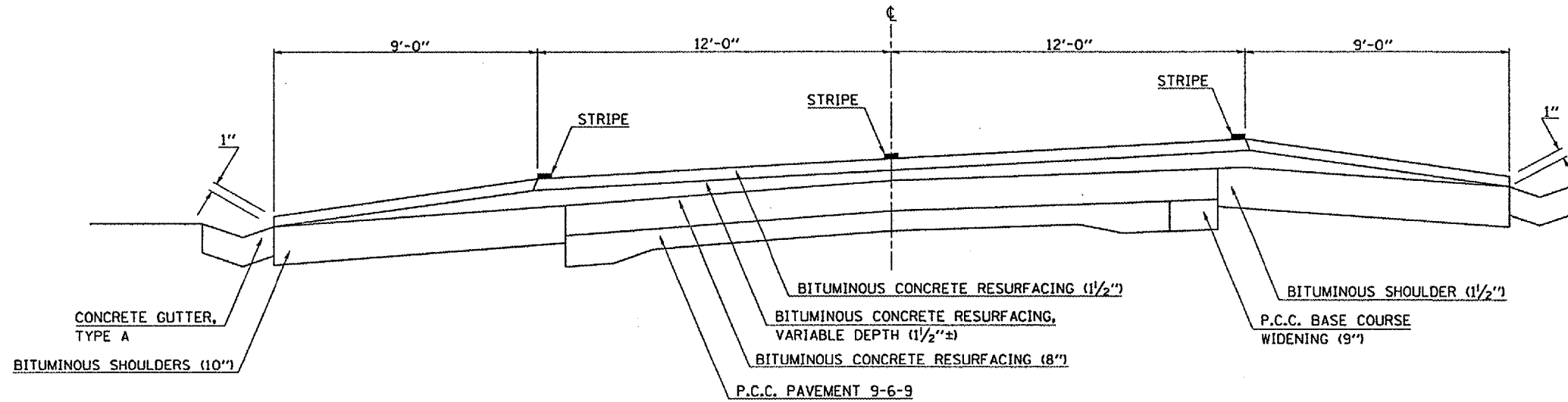
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		**	24	12

- D5 CRACK & JOINT SEAL 2006-1
- CHAMPAIGN, EDGAR & VERMILION

TYPICAL CROSS SECTION (2C)

LOCATION #2

STATION 2521+50.00 TO STATION 2507+50.00



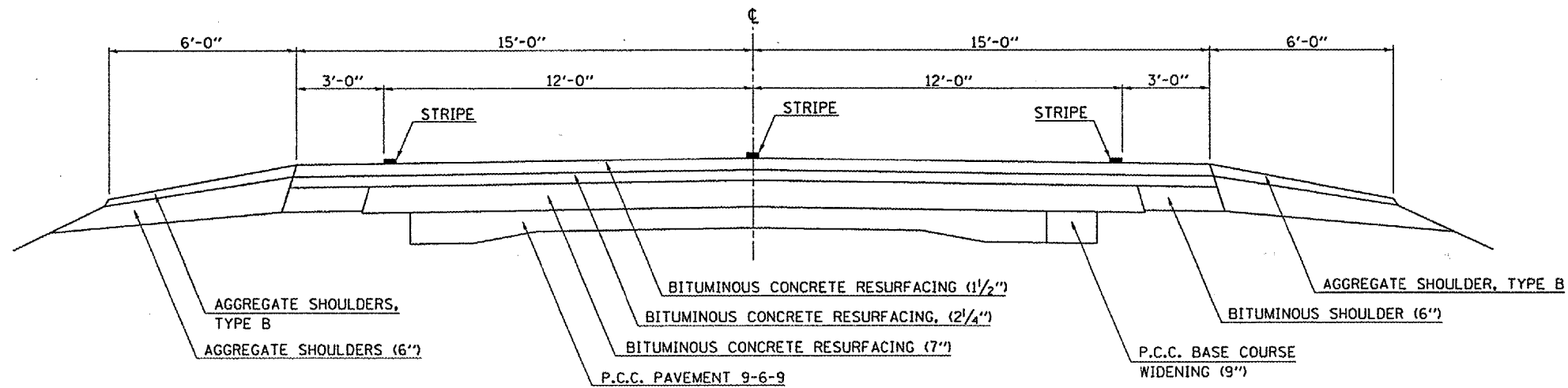
TYPICAL CROSS SECTION (2D)

LOCATION #2

PROJECT OMISSION:
STATION 2524+24.70 TO STATION 2521+59.30

STATION 2549+66.00 TO STATION 2548+32.00 (BK.)
 2548+22.90 (AH.) TO STATION 2521+50.00 (2C)
 STATION 2507+50.00 TO STATION 2486+21.90 (BK.)
 571+39.00 (AH.) TO STATION 743+58.80 (BK.)
 2202+00.20 (AH.) TO STATION 2202+77.50 (2E)

STATION EQUATIONS:
 STATION 2548+32.00 (BK.) = STATION 2548+22.90 (AH.)
 STATION 2486+21.90 (BK.) = STATION 571+39.00 (AH.)
 STATION 743+58.80 (BK.) = STATION 2202+00.20 (AH.)



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	.	**	24	13

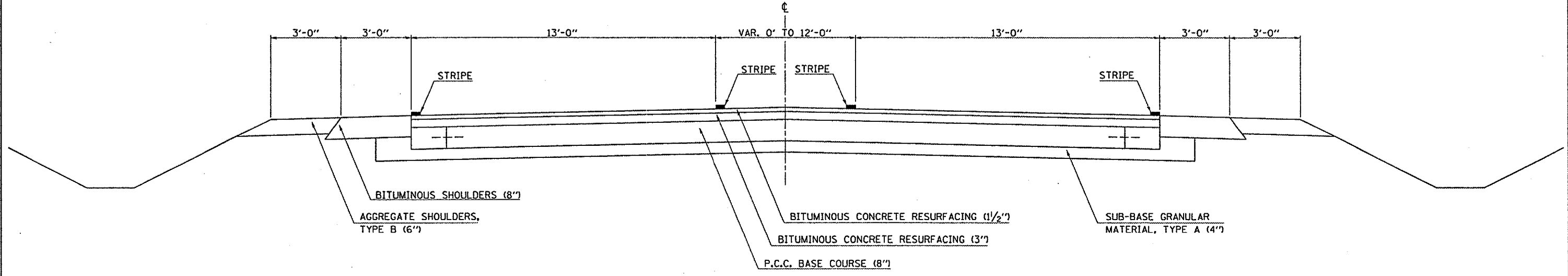
- D5 CRACK & JOINT SEAL 2006-1
- CHAMPAIGN, EDGAR & VERMILION

TYPICAL CROSS SECTION (2E)

LOCATION #2

STATION	TO	STATION
(2D) 2202+77.50		2211+75.00 (2F)
(2F) 2258+90.00		2259+99.97 (BK.)
800+96.00 (AH.)		802+15.00

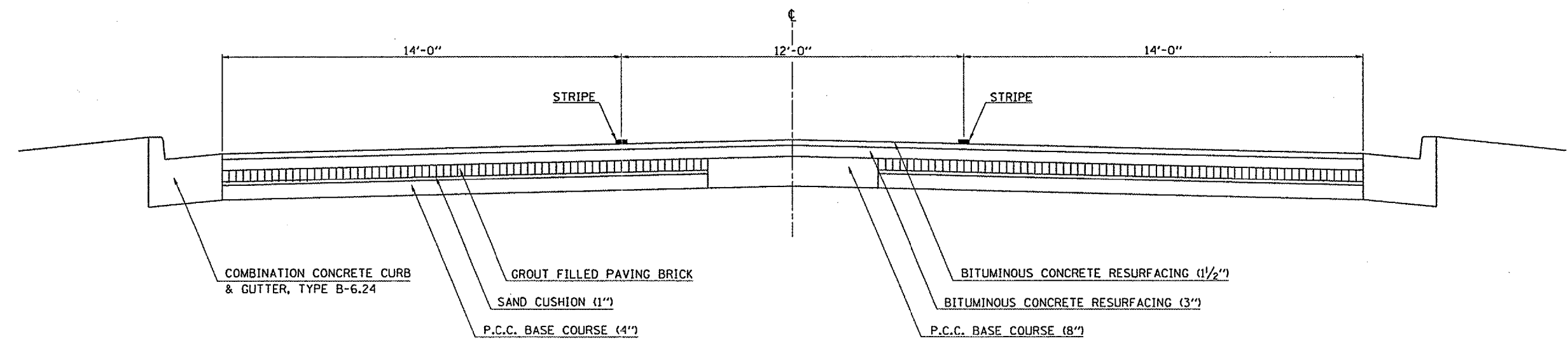
STATION EQUATION:
STATION 2259+99.97 (BK.) = STATION 800+96.00 (AH.)



TYPICAL CROSS SECTION (2F)

LOCATION #2

STATION	TO	STATION
(2E) 2211+75.00		2258+90.00 (2E)



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 PLOT SCALE = 43.2355' / IN.
 USER NAME = plrsonbr

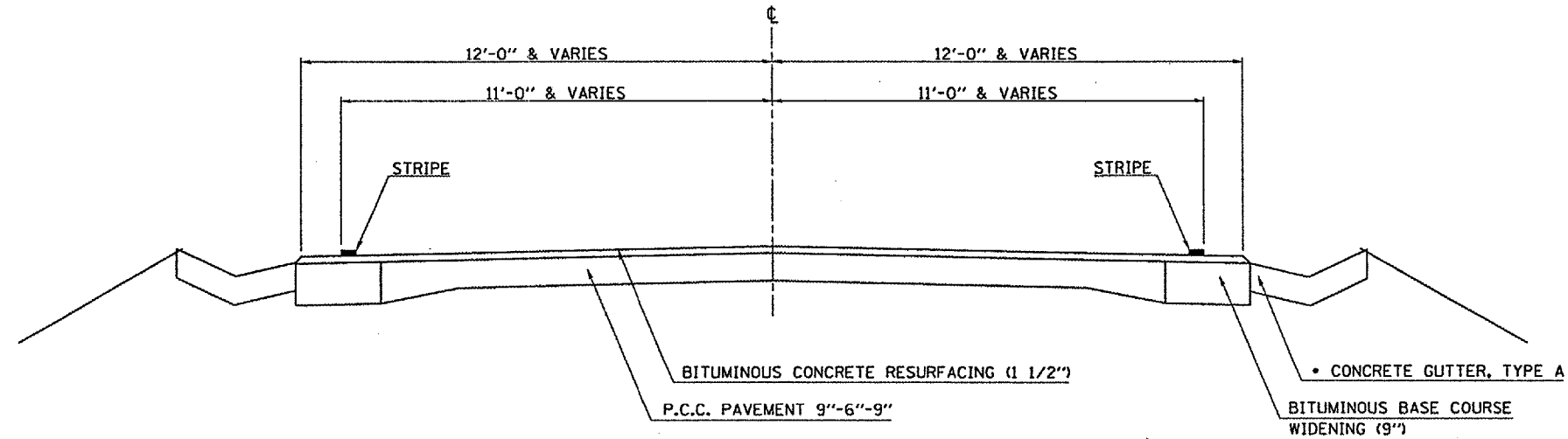
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	24	14

* D5 CRACK & JOINT SEAL 2006-1
 ** CHAMPAIGN, EDGAR & VERMILION

TYPICAL CROSS SECTION 3A

LOCATION #3

STATION 3+35.30 TO STATION 27+11.30 3B



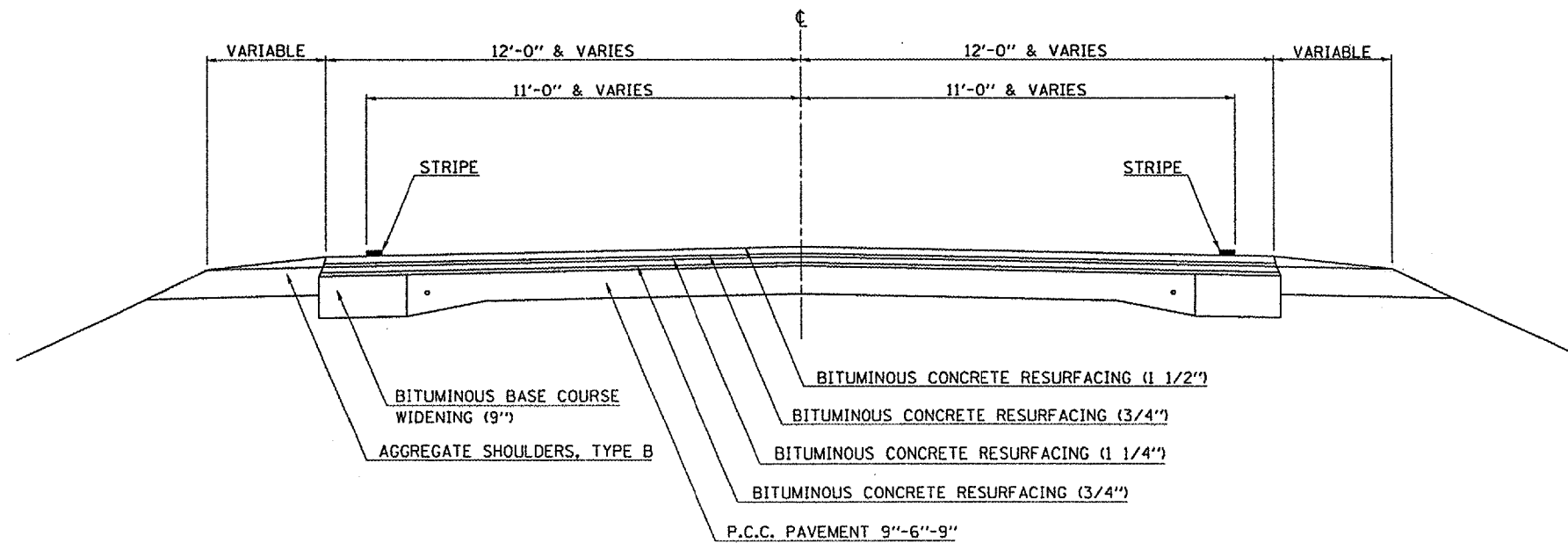
* CONCRETE GUTTER, TYPE A
 STA. 4+96.70 LT. TO STA. 8+10.50 LT.
 STA. 17+08.10 LT. TO STA. 27+11.30 LT.
 STA. 3+35.30 RT. TO STA. 9+68.90 RT.
 STA. 18+66.50 RT. TO STA. 27+11.30 RT.
 AGGREGATE SHOULDERS, TYPE B (WEDGE) EXISTS BETWEEN THE "V" GUTTER GAPS

TYPICAL CROSS SECTION 3B

LOCATION #3

STATION 27+11.30 TO STATION 191+14.30 (BK.)
 191+11.74 (AH.) TO STATION 208+35.70
 209+44.05 TO STATION 248+84.56 (BK.)
 246+78.52 (AH.) TO STATION 324+50.00 (BK.)
 3C 645+90.00 TO STATION 865+80.00 3D

RESURFACING OMISSION:
 STATION 208+35.70 TO STATION 209+44.05



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	24	15

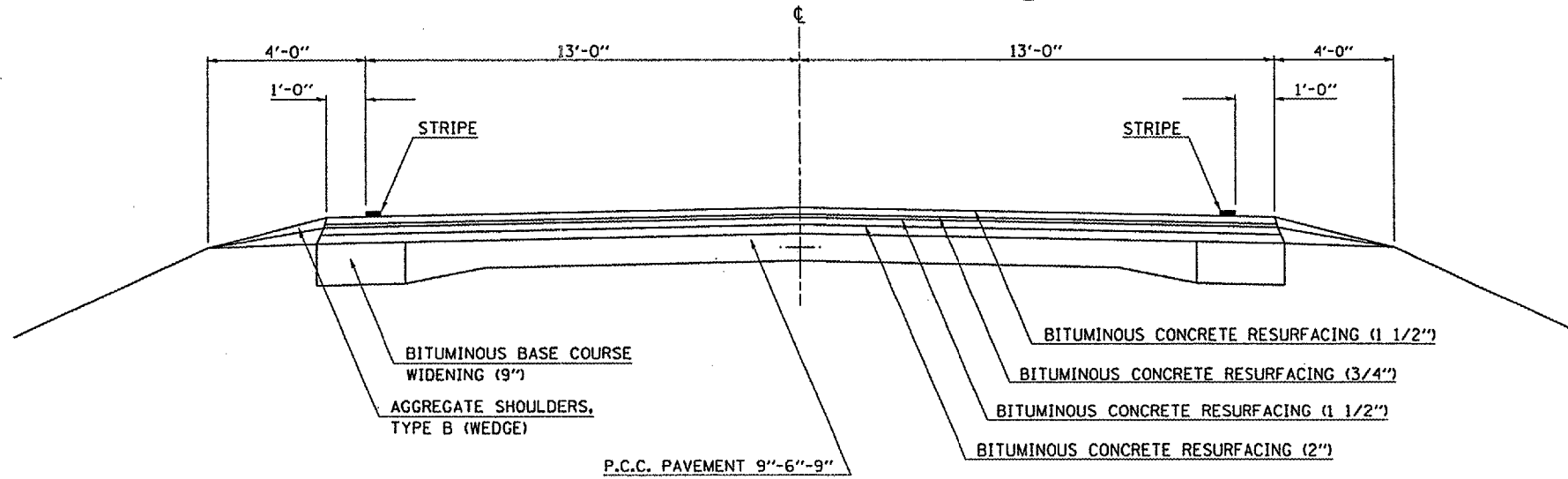
- D5 CRACK & JOINT SEAL 2006-1
- CHAMPAIGN, EDGAR & VERMILION

TYPICAL CROSS SECTION 3C

LOCATION #3

STATION	TO	STATION
31+19.00 (AH.)		58+75.66 (BK.) (RESURFACING OMISSION)
352+07.00 (AH.)		543+01.58 (BK.)
543+01.65 (AH.)		575+86.95
576+15.70		645+90.00 (3B)

RESURFACING OMISSIONS:
 STATION 31+19.00 TO STATION 58+75.66
 STATION 575+86.95 TO STATION 576+15.70 (RAILROAD CROSSING)

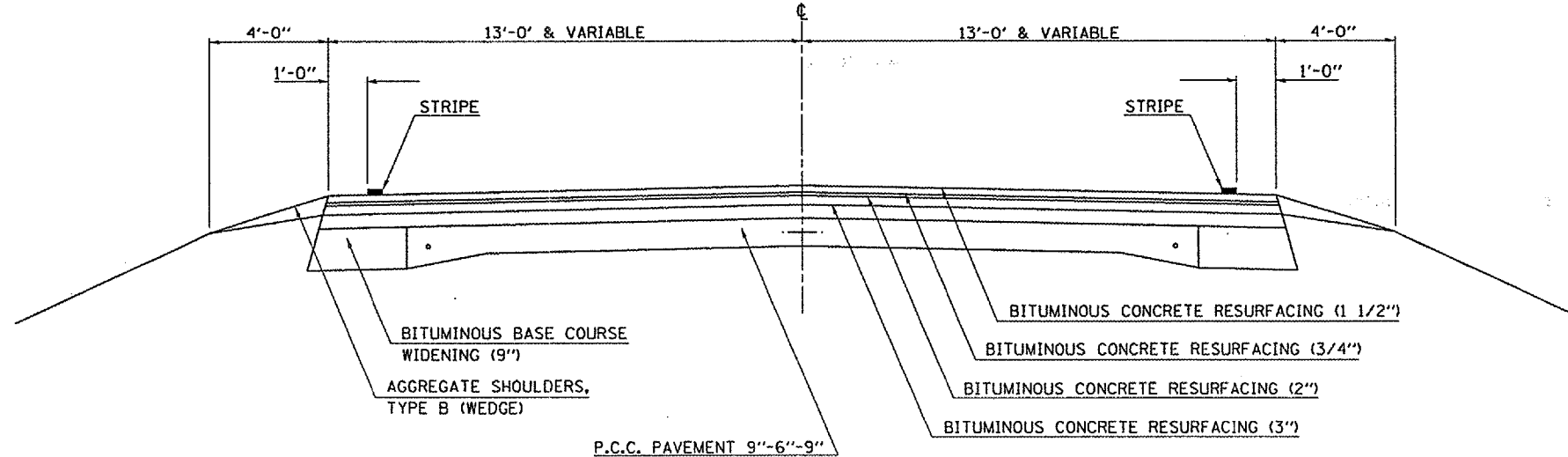


TYPICAL CROSS SECTION 3D

LOCATION #3

STATION	TO	STATION
(3B) 865+80.00		868+80.00 (3B)
(3B) 868+80.00		873+45.00 (BK.) (INTERSECTION OMISSION)
0+00.00 (AH.)		4+30.00 (INTERSECTION OMISSION)
4+30.00		26+05.00
26+14.00		69+65.35
69+94.66		124+86.86 (BK.)
125+00.00 (AH.)		135+02.17
135+75.83		320+46.00

RESURFACING OMISSIONS:
 STATION 868+80.00 TO STATION 4+30.00
 STATION 26+05.00 TO STATION 26+14.00 (RAILROAD CROSSING)
 STATION 69+65.35 TO STATION 69+94.66
 STATION 135+02.17 TO STATION 135+75.83



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	*	**	24	16

- D5 CRACK & JOINT SEAL 2006-1
- ** CHAMPAIGN, EDGAR & VERMILION

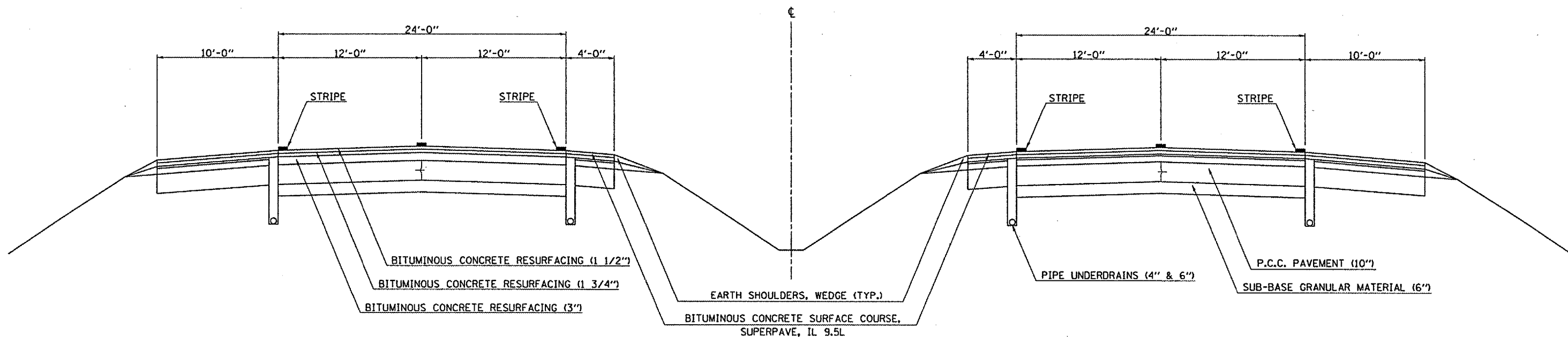
RESURFACING OMISSIONS:
 STATION 900+32.00 TO STATION 902+26.00
 STATION 999+85.10 TO STATION 1001+79.10
 STATION 1106+33.18 TO STATION 1108+27.18
 STATION 1159+13.70 TO STATION 1161+07.70

TYPICAL CROSS SECTION 4A

LOCATION #4

STATION 880+00.00 TO STATION 1720+00.00

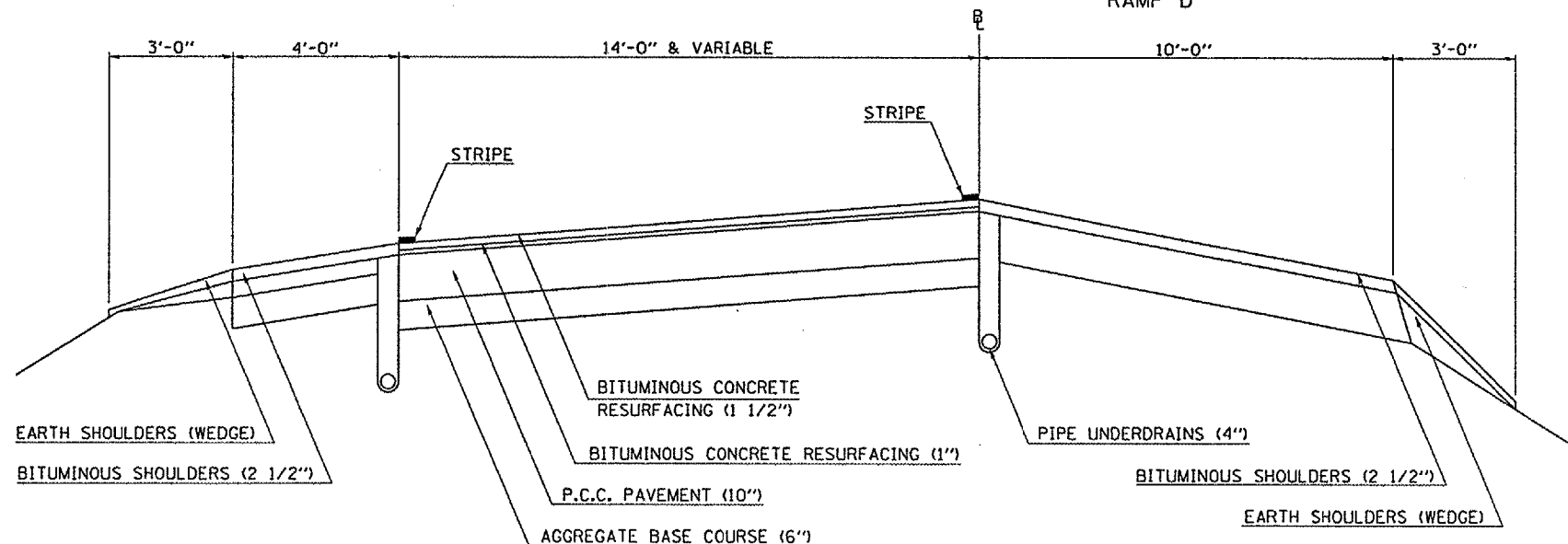
RESURFACING OMISSIONS:
 STATION 1240+24.59 TO STATION 1242+18.59
 STATION 1319+72.33 TO STATION 1321+66.33
 STATION 1412+61.00 TO STATION 1414+67.00
 STATION 1627+88.22 TO STATION 1632+12.11



TYPICAL CROSS SECTION 4B

LOCATION #4

C. H. 22	C. H. 10	N. RTE. 49	U. S. RTE. 150
RAMP A	RAMP A	RAMP A	RAMP A
RAMP B	RAMP B	RAMP B	RAMP A-1
RAMP C	RAMP C	RAMP C	RAMP B
RAMP D	RAMP D	RAMP D	RAMP C
			RAMP C-1
			RAMP D



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	24	17

RESURFACING OMISSIONS:
 STATION 482+86.00 TO STATION 484+80.00
 STATION 536+00.00 TO STATION 537+94.00
 STATION 591+61.00 TO STATION 593+55.00
 STATION 644+83.00 TO STATION 646+77.00

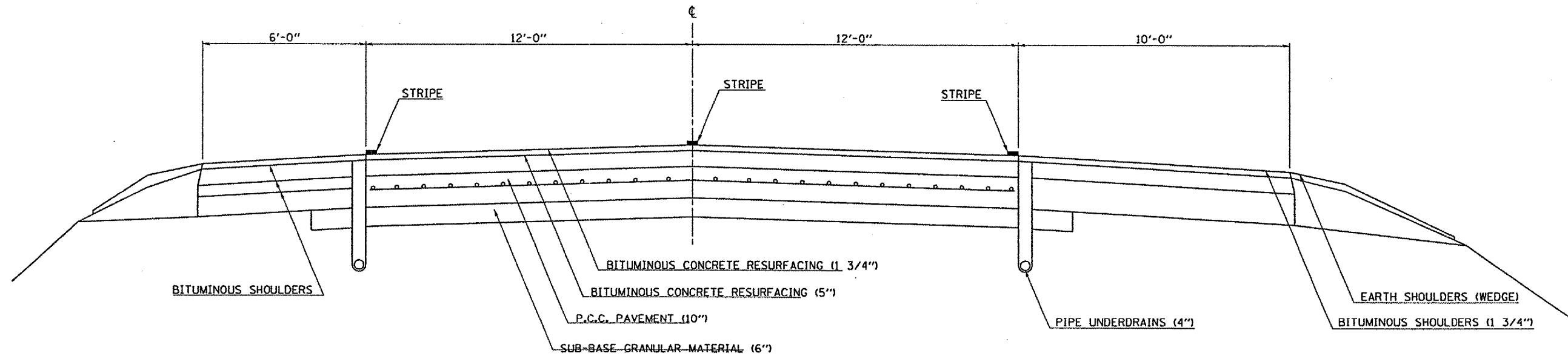
TYPICAL CROSS SECTION 5A

LOCATION #5

STATION TO STATION
 429+00.00 880+00.00

RESURFACING OMISSIONS:
 STATION 688+79.00 TO STATION 690+97.50
 STATION 738+19.75 TO STATION 740+24.25
 STATION 760+58.00 TO STATION 762+86.00
 STATION 831+34.00 TO STATION 833+29.00
 STATION 856+97.00 TO STATION 859+19.80

- D5 CRACK & JOINT SEAL 2006-1
- CHAMPAIGN, EDGAR & VERMILION

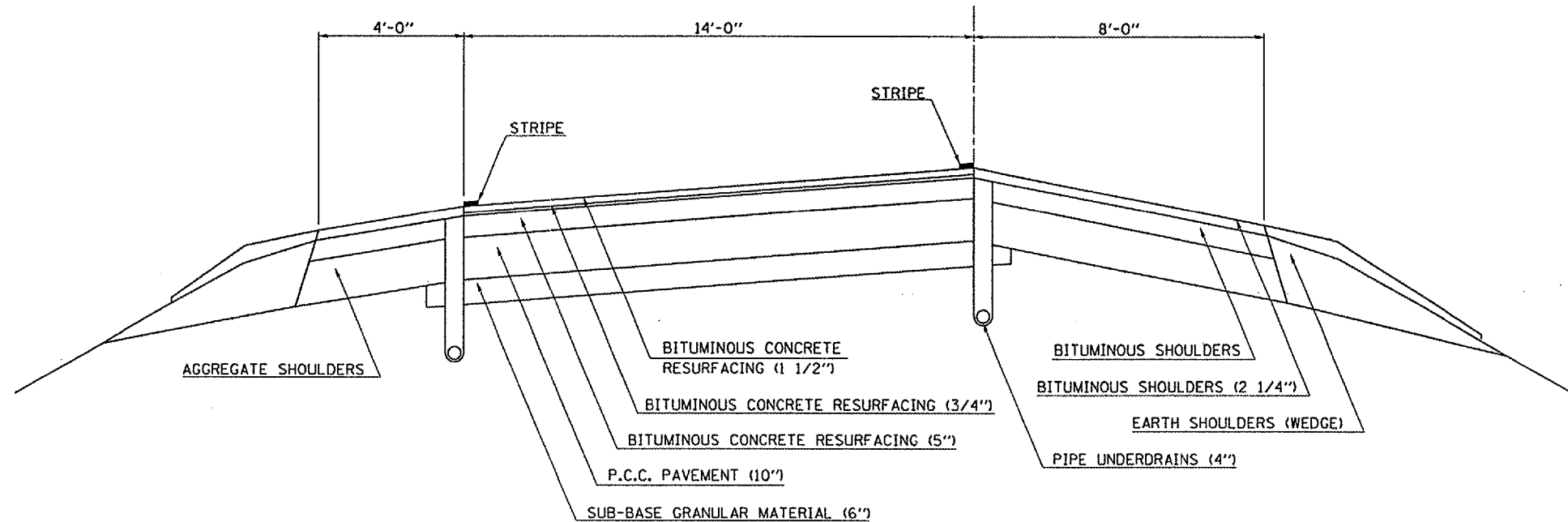


TYPICAL CROSS SECTION OF RAMPS 5B

LOCATION #5

F. A. S. 516 (C. H. 12)

- RAMP A
- RAMP B
- RAMP C
- RAMP D



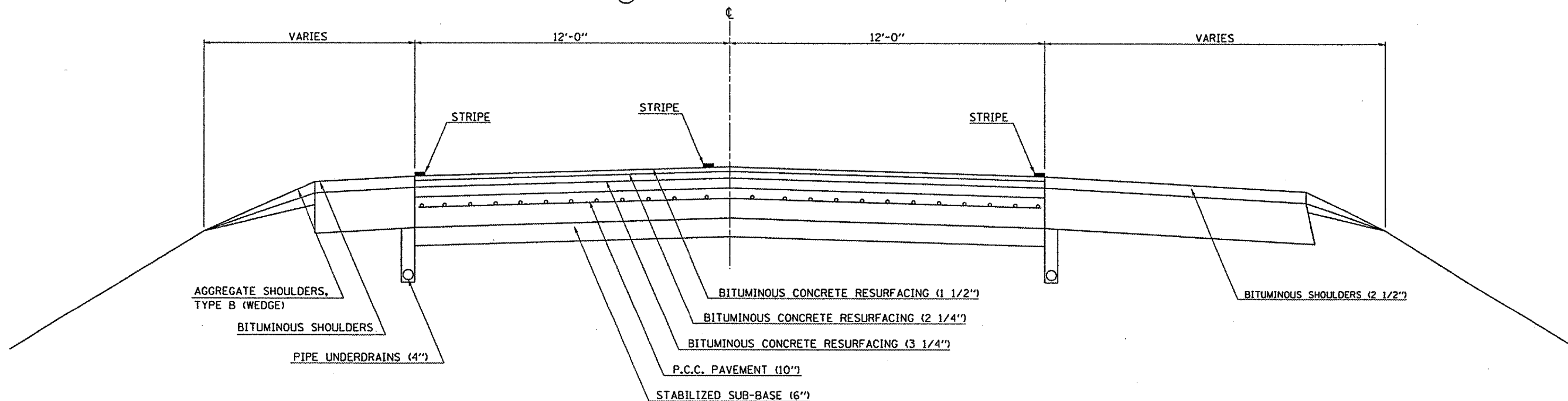
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	-	**	24	18

- D5 CRACK & JOINT SEAL 2006-1
- CHAMPAIGN, EDGAR & VERMILION

TYPICAL CROSS SECTION (6A)

LOCATION #6

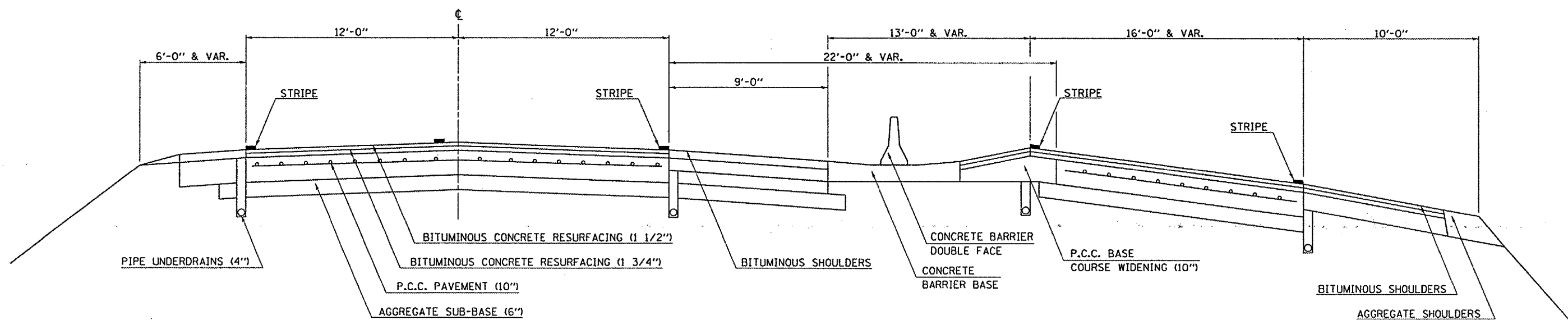
STATION	TO	STATION
1720+00.00		1908+00.00 (6B)
(6B) 1951+50.00		2231+13.24



TYPICAL CROSS SECTION (6B)

LOCATION #6

STATION	TO	STATION
(6A) 1908+00.00		1951+50.00 (6A)



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 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = pjarsonbr

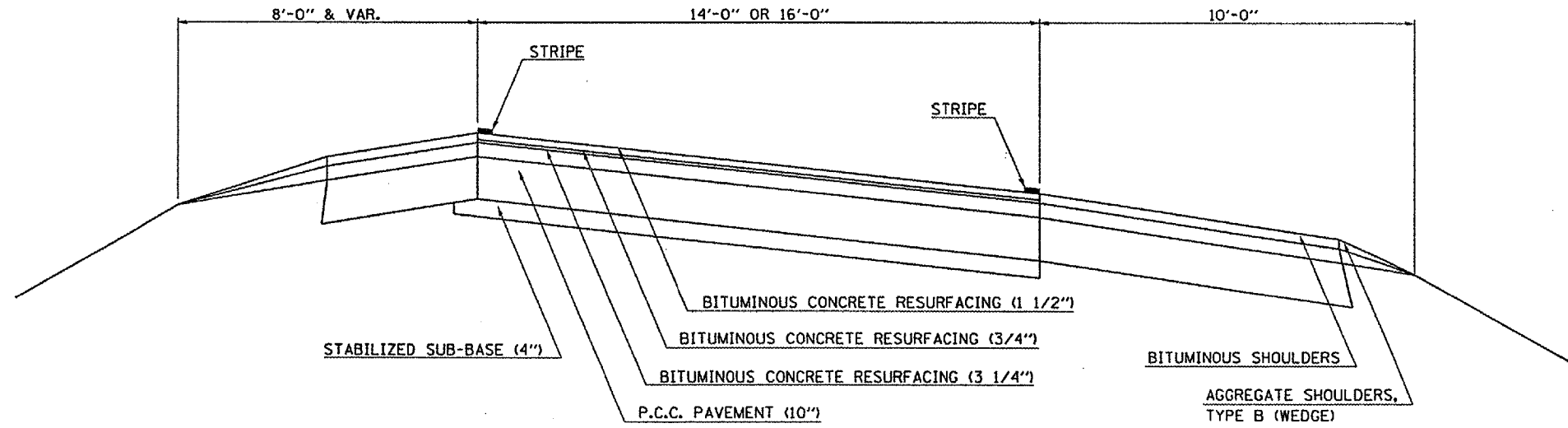
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	24	19

- * D5 CRACK & JOINT SEAL 2006-1
- ** CHAMPAIGN, EDGAR & VERMILION

TYPICAL CROSS SECTION (6C)

LOCATION #6

TILTON	IL RTE. 1	BOWMAN AVE.	LYNCH SPUR
RAMP A	RAMP A RAMP E	RAMP A	RAMP A
RAMP B	RAMP B RAMP F	RAMP B	RAMP B
RAMP C	RAMP C RAMP G	RAMP C	RAMP C
RAMP D	RAMP D RAMP H	RAMP D	RAMP D

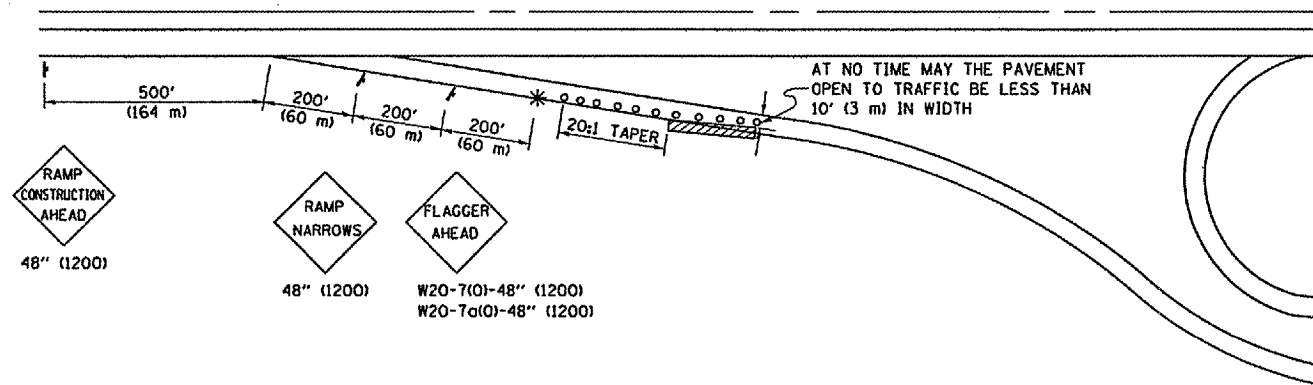


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		**	23	20

- D5 CRACK & JOINT SEAL 2006-1
- ** CHAMPAIGN, EDGAR & VERMILION

SPECIAL DETAIL FOR RAMP WORK AREAS

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES



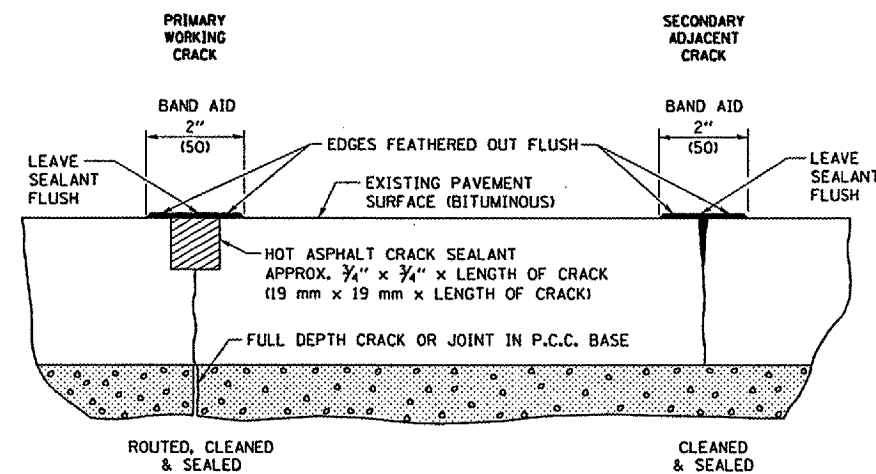
SYMBOLS

- TYPE I OR II BARRICADES OR DRUMS @ 50' (15 m) CTS.
- * FLAGGER PLACED AS DIRECTED BY THE ENGINEER
- † SIGN ON PORTABLE OR PERMANENT SUPPORT
- ▨ WORK AREA

GENERAL NOTES

- CONSTRUCTION OPERATIONS SHALL BE CONFINED TO AN AREA NARROW ENOUGH THAT A MINIMUM OF 10' (3 m) OF PAVEMENT SHALL BE OPEN TO TRAFFIC AT ALL TIMES.
- CONES MAY BE SUBSTITUTED FOR BARRICADES DURING DAY OPERATIONS, AT 25' (7.5 m) SPACING.
- FULL WIDTH PAVEMENT ON THE RAMPS SHALL BE OPEN TO TRAFFIC AT NIGHT.
- WHEN NO WORK IS BEING PERFORMED, THE FLAGGER WILL NOT BE REQUIRED. IF THE FLAGGER IS NOT PRESENT, THE FLAGGER SIGNS SHALL BE REMOVED OR COVERED.
- ALL SIGNS SHALL BE POST MOUNTED IF WORK IN THE AREA EXCEEDS FOUR DAYS OF DAYTIME OPERATIONS.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- ALL VEHICLES, EQUIPMENT, WORKERS (EXCEPT FLAGGER) AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE AUTHORIZED BY THE DISTRICT ENGINEER.

TYPICAL DETAILS FOR CRACK SEALING FOR BITUMINOUS PAVEMENT



PLOT DATE = 12/15/2005
 FILE NAME = c:\p\projects\70492\70492plans.dgn
 PLOT SCALE = 43.2355' / IN.
 USER NAME = pierstonbr

NAME	DATE	REVISIONS
DESIGNED	D.L.P. 3-95	NAME DATE
CHECKED		D.L.P. 08/00
CADD NO.	F-5.01	K.A.G. 01/05

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

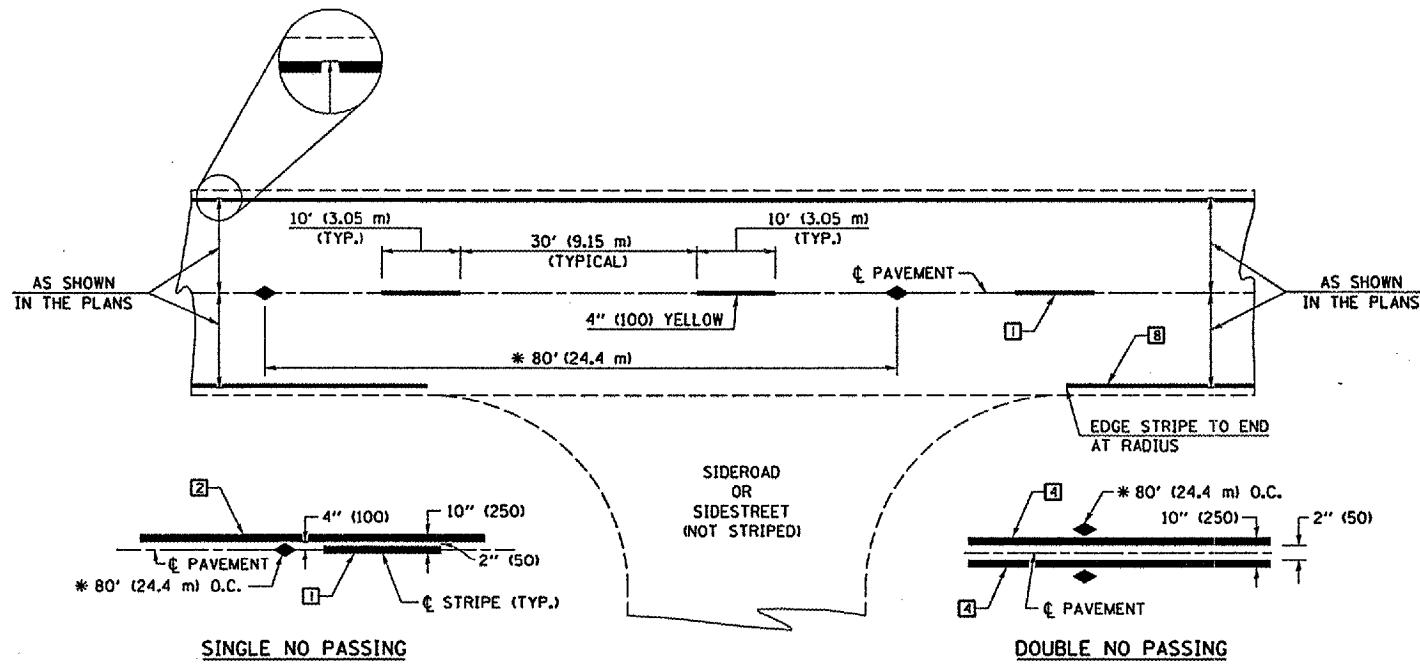
NAME	DATE	REVISIONS
DESIGNED	SPRG. 04/90	NAME DATE
CHECKED	J.H.M. 05/90	K.A.G. 04/04
CADD NO.	X-2.05	

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			24	21

• D5 CRACK & JOINT SEAL 2006-1
 ** CHAMPAIGN, EDGAR & VERMILION

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.

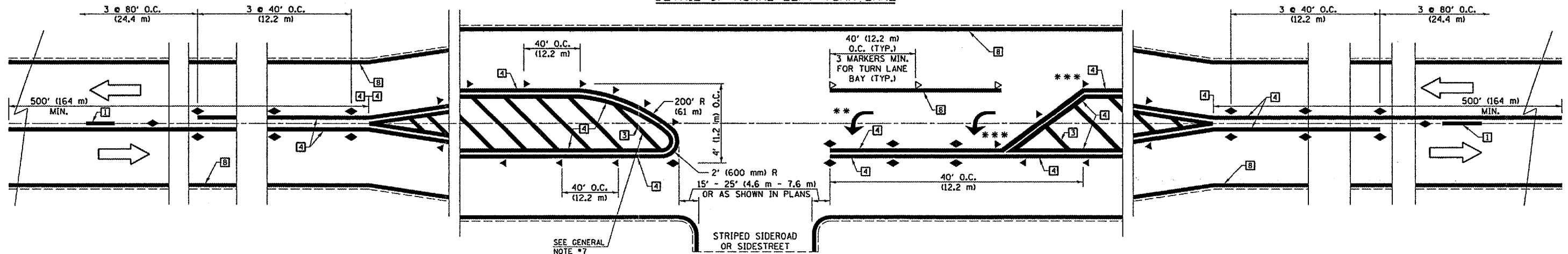
TYPICAL PAVEMENT MARKING LEGEND

- 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 3

DESIGNED	NAME	DATE	REVISIONS	NAME	DATE
J.M.H.	J.M.H.	5/85	6/88		
CHECKED	F.M.S.	6/85	6/88	GEOMETRICS/K.A.G.	07/02
CADD NO.	F-5.25			K.A.G.	08/04

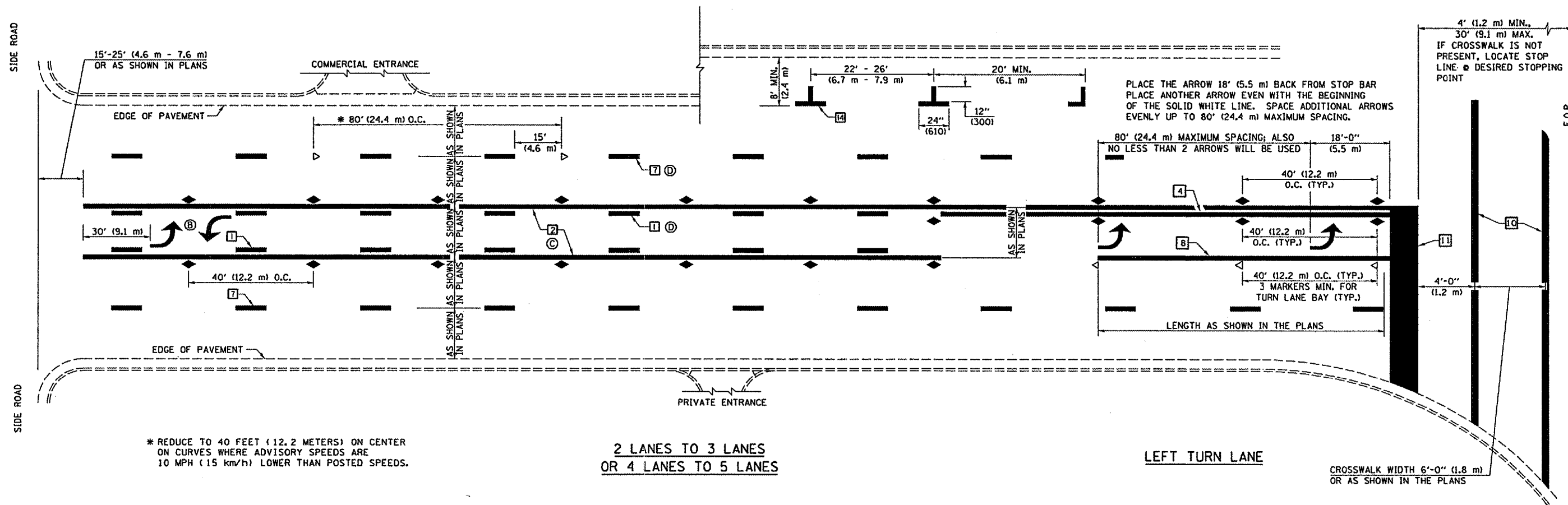
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

PLOT DATE = 12/15/2005
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 USER NAME = plersomb

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	.	**	24	22

- D5 CRACK & JOINT SEAL 2006-1
- CHAMPAIGN, EDGAR & VERMILION

TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



2 LANES TO 3 LANES
OR 4 LANES TO 5 LANES

LEFT TURN LANE

CROSSWALK WIDTH 6'-0" (1.8 m)
OR AS SHOWN IN THE PLANS

SHEET 2 OF 3

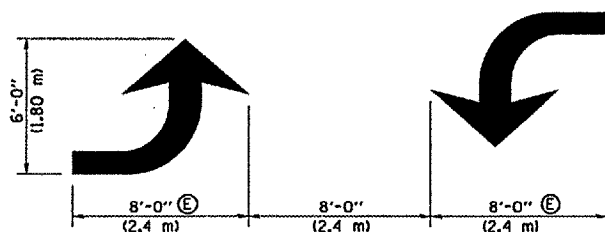
DESIGNED	NAME	DATE	REVISIONS	NAME	DATE
J.M.H.	J.M.H.	5/85			
FMS	FMS	6/88			
C.T.D.	C.T.D.	6/88		GEOMETRICS/K.A.G.	07/02
F-5,25	F-5,25			K.A.G.	08/04

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

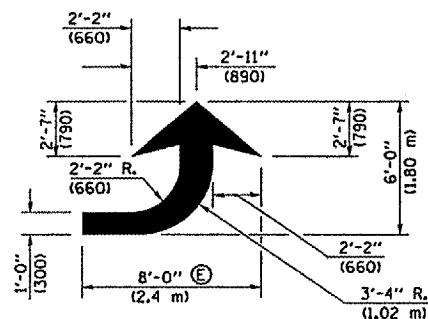
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	.	**	24	23

- D5 CRACK & JOINT SEAL 2006-1
- CHAMPAIGN, EDGAR & VERMILION

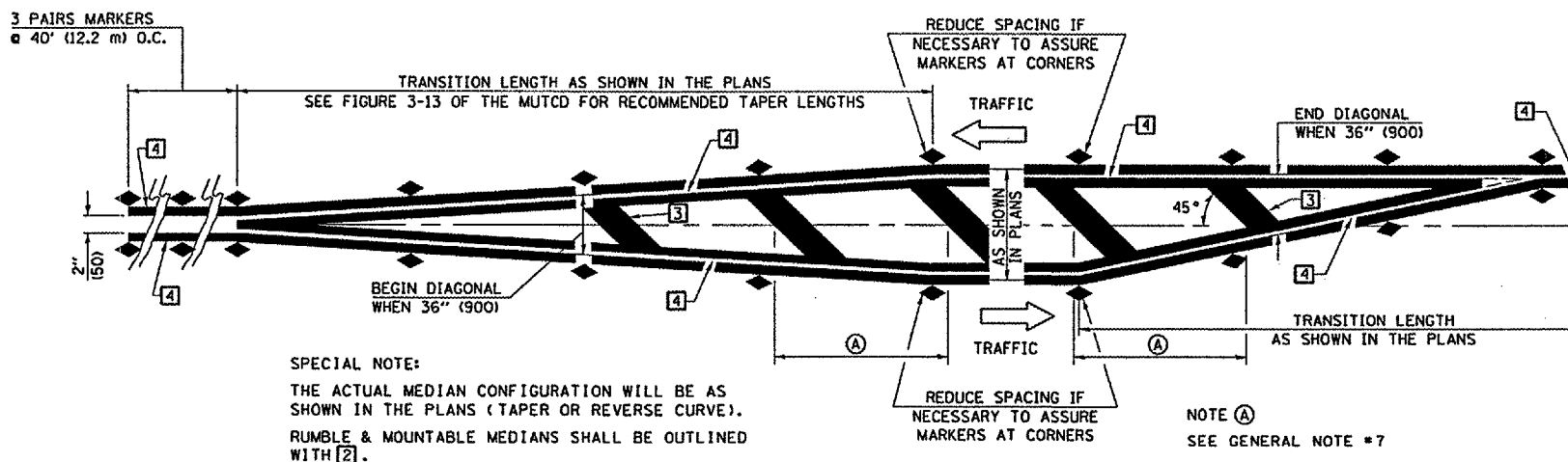
TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



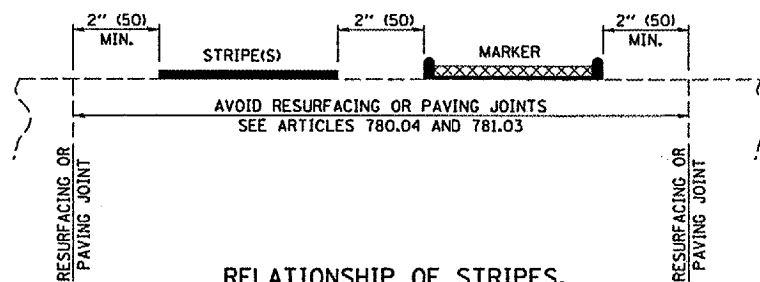
TYPICAL DOUBLE TURN ARROWS (WHITE)



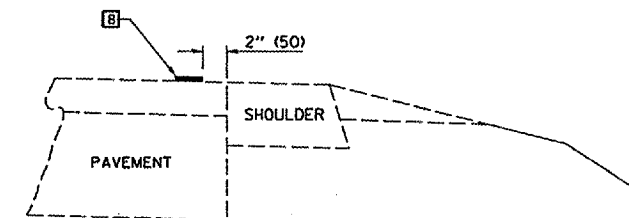
LEFT ARROW
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)



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 3

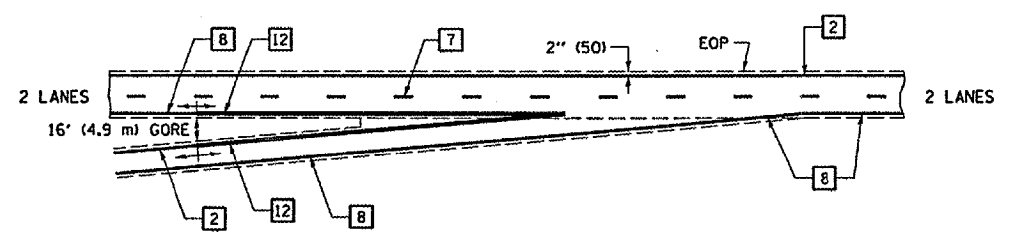
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J.M.H.	J.M.H.	5/85			
FWS	FWS	6/88			
CTD	CTD	6/88		GEOMETRICS/K.A.G.	07/02
F-5.25	F-5.25			K.A.G.	08/04

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

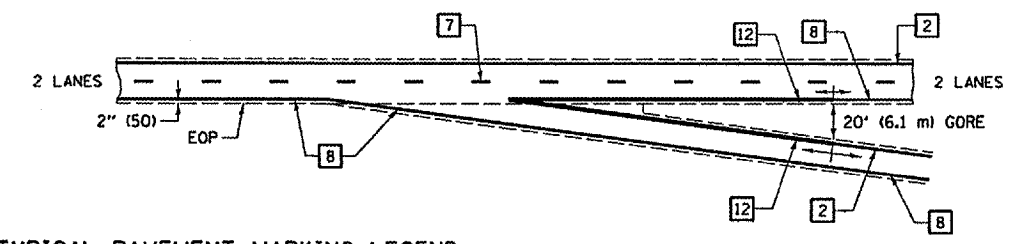
12/15/2005
C:\p\projects\050406\1\81\70492plans.dgn
43.2355 7 IN.
dlr/sonbr

TYPICAL APPLICATION OF PAVEMENT MARKINGS FOR INTERSTATE AND MULTI-LANE DIVIDED HIGHWAYS

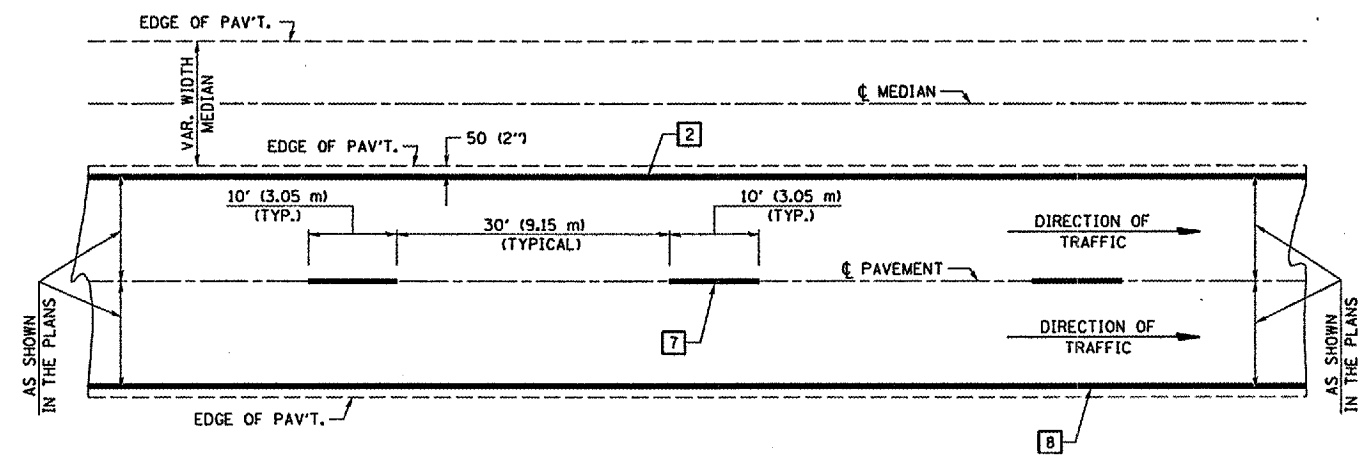
TYPICAL ENTRANCE RAMP TERMINAL



TYPICAL EXIT RAMP TERMINAL



CENTERLINE INTERSTATE OR MULTI-LANE TWO WAY DIVIDED HIGHWAY



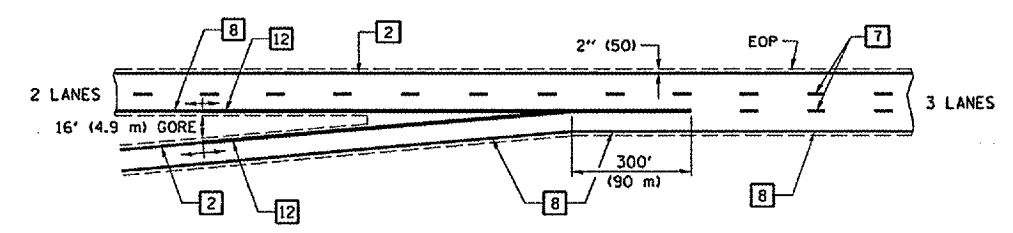
NOTE: PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

NOTE: SEE ARTICLES 780.04 & 781.03 FOR LOCATION OF STRIPES AND MARKERS RELATIVE TO EDGES OR JOINTS.
 FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO STANDARD 781001.

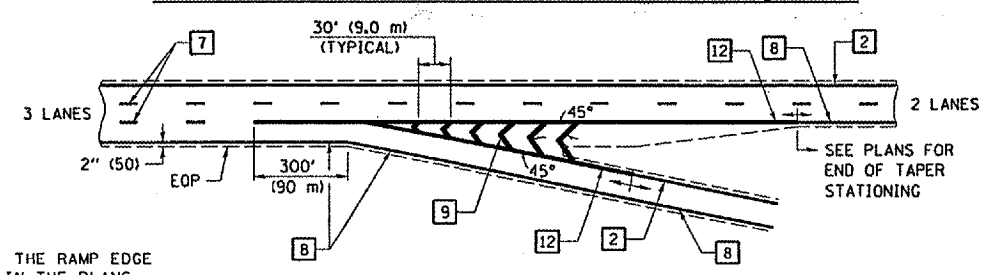
TYPICAL PAVEMENT MARKING LEGEND

- | | | |
|----|---------------------------------------|--|
| 1 | 4" (100) SKIP-DASH (YELLOW) | |
| 2 | 4" (100) SOLID (YELLOW) | |
| 3 | 12" (300) DIAGONAL (YELLOW) | |
| 4 | 4" (100) DOUBLE YELLOW (NARROW) | |
| 5 | 4" (100) DOUBLE YELLOW (WIDE) | |
| 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 | RESERVED | |

ENTRANCE RAMP TERMINAL with EXCLUSIVE LANE



EXIT RAMP TERMINAL with EXCLUSIVE (auxiliary) LANE



WHEN RAMPS ARE SURFACED, THE RAMP EDGE LINES SHALL BE AS SHOWN IN THE PLANS.

PLOT DATE = 12/15/2005
 PLOT NAME = I:\projects\70492\70492.dgn
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = p1010101

	NAME	DATE	REVISIONS
DESIGNED	P.E.E.	03/89	NAME DATE
CHECKED	C.T.D.	04/89	D.L.P. 08/97
CADD NO.	F-5.22		K.A.G. 08/04

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