

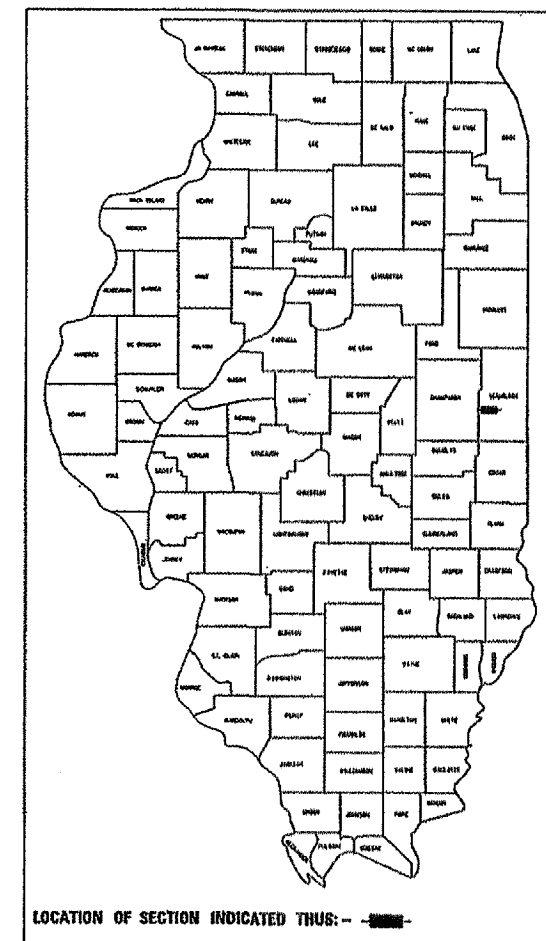
F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		VERMILION	8	1

D-5 CONTRACT MAINT 2006-2
 CONTRACT NO. 70535
 D-05-055-06

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

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

PLAN N/A
 PROFILE HORIZ. N/A
 PROFILE VERT. N/A
 CROSS SECTIONS N/A



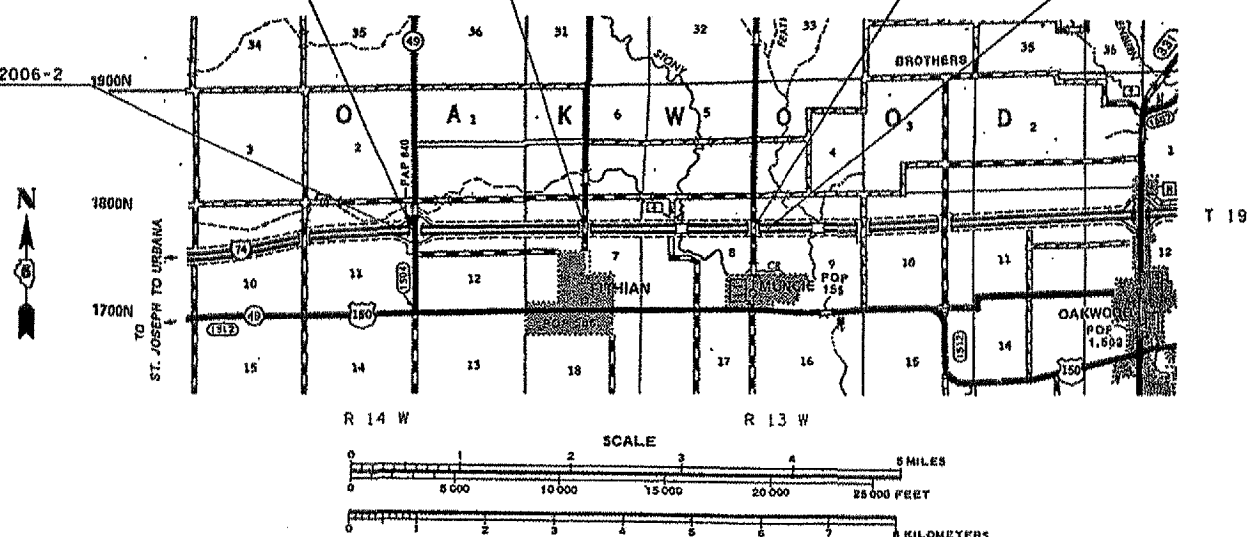
**F.A.I. ROUTE 74 (I-74)
 SECTION D-5 CONTRACT MAINT 2006-2
 VERMILION COUNTY**

C-95-055-06

PATCHING UNDER CH 11; TR 34B;
 & IL 49(N) EAST OF CHAMPAIGN COUNTY LINE

S. N. 092-0105 STATION 1160+10, 70 F. A. I. 74 = STATION 50+00.00 IL 49 (F. A. P. 840)
 S. N. 092-0152 STATION 1241+21.59 F. A. I. 74 = STATION 50+00.00 T. R. 34B
 S. N. 092-0115 STATION 1320+69.33 F. A. I. 74 = STATION 50+00.00 C. H. 11

SECTION: D-5 CONTRACT MAINT 2006-2 BEGINS STATION 1158+61.00
 SECTION: D-5 CONTRACT MAINT 2006-2 ENDS STATION 1322+08



CURRENT ADT / DESIGN ADT

CURRENT ADT 26,575 (2005)

DESIGN DESIGNATION

NA

CONTRACT NO. 70535

TOTAL LENGTH OF SECTION & PROJECT = 16,347.00 FEET = 3.096 MILES
 NET LENGTH OF SECTION & PROJECT = 869.00 FEET = 0.164 MILES

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED *040 23 05*
 DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER
February 3, 2006
 ENGINEER OF DESIGN AND ENVIRONMENT
February 3, 2006
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

FOR UNDERGROUND UTILITY
 LOCATIONS CALL
 TOLL FREE J.U.I.E. TELEPHONE NO.
 1-800-892-0123
 VERMILION CO.

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

PROJECT ENGINEER: KENSIL A. GARNETT
 SQUAD LEADER: NANCY J. FASIG
 DESIGNER: BRIAN J. HOGAN

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVER SHEET
2	INDEX OF SHEETS / LIST OF STANDARDS
3	GENERAL NOTES
4	SUMMARY OF QUANTITIES
5-6	EXISTING TYPICAL CROSS SECTIONS
7	SCHEDULES
8	DETAIL OF EXISTING RUNDOWN AT STRUCTURES, STRUCTURE NO. 092-0105; 092-0152; 092-0115; 092-0148, PASSING LANES
8	DETAIL OF EXISTING RUNDOWN AT STRUCTURES, STRUCTURE NO. 092-0105; 092-0152; 092-0115; 092-0148, DRIVING LANES
9	TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS

LIST OF STANDARDS

<u>STANDARD NO.</u>	<u>NAME OF STANDARD</u>
001001	AREAS OF REINFORCEMENT REBARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-06	PAVEMENT JOINTS
420601-04	7.2 M (24') PCC PAVEMENT
420701-01	PAVEMENT FABRIC
442101-05	CLASS B PATCHES
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-03	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-03	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >= 45 MPH
701426-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH
702001-05	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

<u>F.A.T. RTE.</u>	<u>SECTION</u>	<u>COUNTY</u>	<u>TOTAL SHEETS</u>	<u>SHEET NO.</u>
74	*	VERMILION	9	2

* D-5 CONTRACT MAINT 2006-2
CONTRACT NO. 70535

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	*	VERMILION	9	3

* D-5 CONTRACT MAINT 2006-2
CONTRACT NO. 70535

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. -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. -781

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

NO COMMITMENTS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	.	VERMILION	9	4

• D-5 CONTRACT MAINT 2006-2
CONTRACT NO. 70535

SUMMARY OF QUANTITIES

LOCATION OF WORK: VERMILION COUNTY
RURAL MULTI-LANE
FAI 74
••SEE STATIONS
BELOW

FUNDING BREAKOUT: 100% STATE
CONSTRUCTION TYPE CODE: J000

CODE NO	ITEM	UNIT	TOTAL QUANTITY	QUANTITY
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	1,773.0	1,773.0
44201080	CLASS B PATCHES, TYPE IV	SQ YD	341.0	341.0
44213100	PAVEMENT FABRIC	SQ YD	2,114.0	2,114.0
44213200	SAW CUTS	FOOT	3,380.0	3,380.0
67100100	MOBILIZATION	L SUM	1.0	1.0
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1.0	1.0
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1.0	1.0
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	11.0	11.0
• 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,802.0	1,802.0
• 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	30.0	30.0
X7015005	CHANGEABLE MESSAGE SIGN	CAL DAY	14.0	14.0
Z0017100	DOWEL BARS	EACH	410.0	410.0
Z0075300	TIE BARS	EACH	700.0	700.0
•	SPECIALTY ITEM			

••STATION 1158+61.00 TO STATION 1161+60.00
STATION 1239+88.00 TO STATION 1242+48.00
STATION 1319+98.00 TO STATION 1322+08.00

WEST BOUND DRIVING AND PASSING LANES ONLY

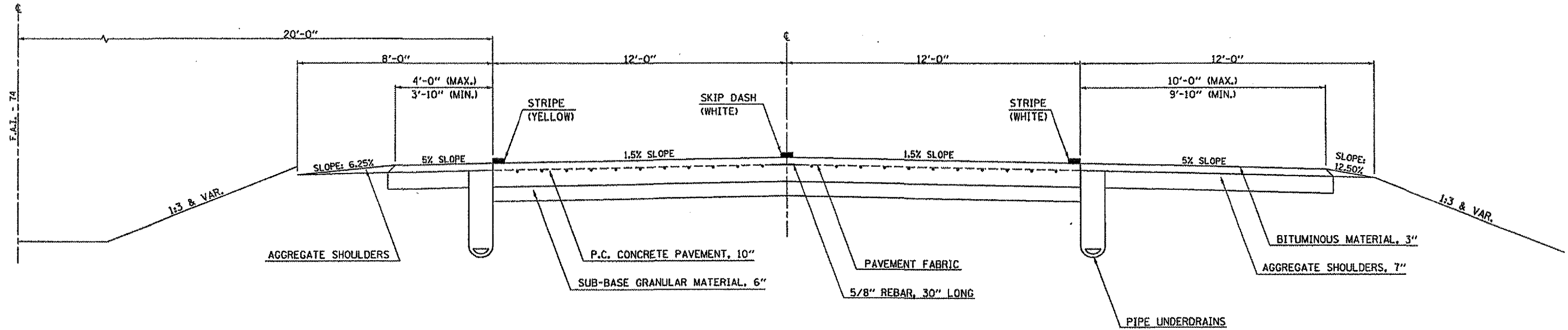
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	.	VERMILION	9	6

D-5 CONTRACT MAINT 2006-2
CONTRACT NO. 70535

WESTBOUND PASSING LANE
STATION 1158+87.00 TO STATION 1161+03.00
STATION 1240+18.00 TO STATION 1242+20.00
STATION 1319+72.00 TO STATION 1321+70.00

EXISTING TYPICAL CROSS SECTION F.A.I. - 74

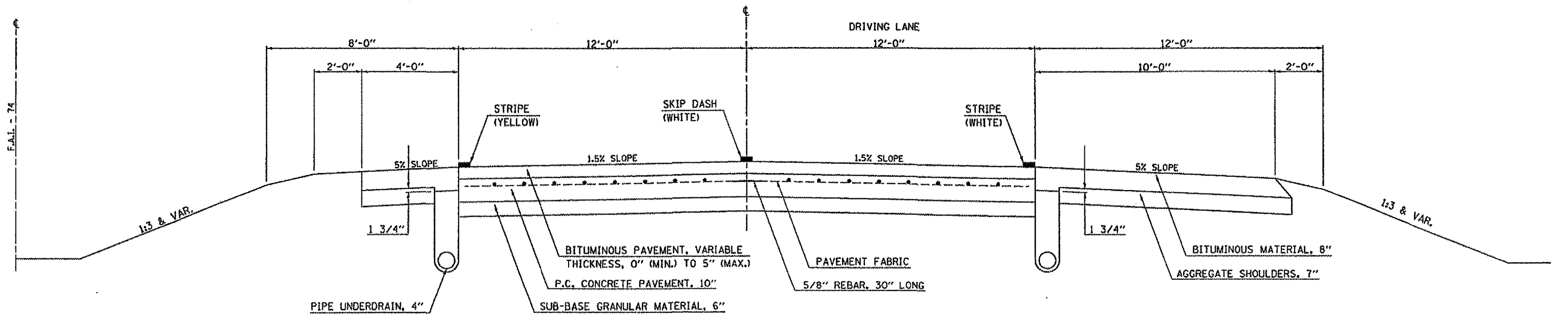
WESTBOUND DRIVING LANE
STATION 1158+92.00 TO STATION 1161+60.00
STATION 1239+88.00 TO STATION 1242+32.00
STATION 1319+70.00 TO STATION 1321+70.00



WESTBOUND PASSING LANE
STATION 1158+67.00 TO STATION 1158+87.00
STATION 1242+20.00 TO STATION 1242+42.00
STATION 1319+04.00 TO STATION 1319+72.00

EXISTING TYPICAL CROSS SECTION F.A.I. - 74

WESTBOUND DRIVING LANE
STATION 1242+32.00 TO STATION 1242+42.00
STATION 1319+04.00 TO STATION 1319+34.00
STATION 1319+48.00 TO STATION 1319+70.00
STATION 1321+70.00 TO STATION 1321+98.00



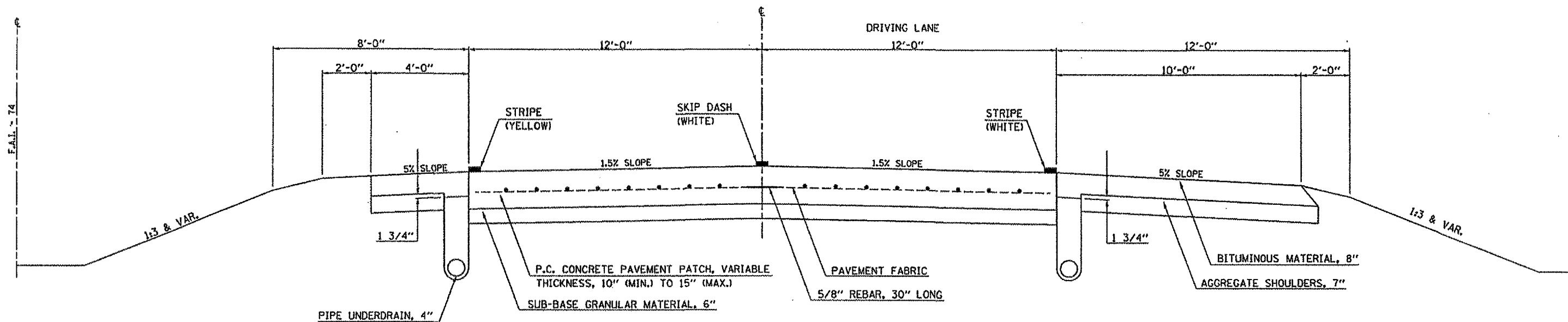
WESTBOUND PASSING LANE
 STATION 1158+61.00 TO STATION 1158+67.00
 STATION 1242+42.00 TO STATION 1242+48.00
 STATION 1318+98.00 TO STATION 1319+04.00

EXISTING TYPICAL CROSS SECTION F.A.I. - 74

WESTBOUND DRIVING LANE
 STATION 1242+42.00 TO STATION 1242+48.00
 STATION 1318+98.00 TO STATION 1319+04.00
 STATION 1319+34.00 TO STATION 1319+48.00
 STATION 1321+98.00 TO STATION 1322+08.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		VERMILION	9	6

D-5 CONTRACT MAINT 2006-2
 CONTRACT NO. 70535



F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	.	VERMILION	9	7

• D-5 CONTRACT MAINT 2006-2
CONTRACT NO. 70535

SCHEDULE OF QUANTITIES

CLASS B PATCHES

STATION	TO STATION	DIRECTION	LANE	LENGTH (FOOT)	WIDTH (FOOT)	DEPTH (INCH)	TYPE IV (SQ. YD)	SAW CUTS (FOOT)	TIE BARS (EACH)	DOWEL BARS (EACH)	PAVEMENT FABRIC (SQ. YD.)
1158+92	1161+60	WB	DL	268.00	12.00	10	358	572	119	70	358
** 1158+61	1158+87	WB	PL	26.00	12.00	VAR.	35	64	12	10	35
1158+87	1161+03	WB	PL	216.00	12.00	10	288	456	96	50	288
1239+88	1242+32	WB	DL	244.00	12.00	10	326	500	97	70	326
** 1242+32	1242+48	WB	DL	16.00	12.00	VAR.	22	56	18	0	22
1240+18	1242+20	WB	PL	202.00	12.00	10	270	416	80	60	270
** 1242+20	1242+48	WB	PL	28.00	12.00	VAR.	38	80	23	0	38
** 1318+98	1319+70	WB	DL	72.00	12.00	VAR.	96	156	30	20	96
1319+70	1321+70	WB	DL	200.00	12.00	10	267	400	78	50	267
** 1321+70	1322+08	WB	DL	38.00	12.00	VAR.	51	100	27	10	51
** 1318+98	1319+72	WB	PL	74.00	12.00	VAR.	99	160	31	20	99
1319+72	1321+70	WB	PL	198.00	12.00	10	264	420	89	50	264
TOTAL:							2114	3380	700	410	2114

** PAID FOR AS CLASS B PATCHES, TYPE IV

TOTAL VAR.: 341
TOTAL 10": 1773

PAINT PAVEMENT MARKING - LINE 4"

STATION	TO STATION	DIRECTION	LANE	LENGTH (FEET)	WHITE EDGE (FEET)	WHITE SKIP DASH (FEET)	YELLOW EDGE (FEET)	TOTAL (FEET)
1158+98.00	1161+60.00	WB	DL	268	268	70	0	338
1158+61.00	1161+03.00	WB	PL	242	0	0	242	242
1239+88.00	1242+48.00	WB	DL	260	260	70	0	330
1240+18.00	1242+48.00	WB	PL	230	0	0	230	230
1318+98.00	1322+08.00	WB	DL	310	310	80	0	390
1318+98.00	1321+70.00	WB	PL	272	0	0	272	272

WHITE LINE TOTAL: 1058
YELLOW LINE TOTAL: 744

TOTAL 4" LINE: 1802

RAISED REFLECTIVE PAVEMENT MARKER

STATION	TO STATION	LENGTH (FEET)	ONE WAY CRYSTAL (EACH)	NO. OF MARKER TIMES	TOTAL MARKERS (EACH)
1158+61.00	1161+60.00	299	5	2	10
1239+88.00	1242+48.00	260	5	2	10
1318+98.00	1322+08.00	310	5	2	10

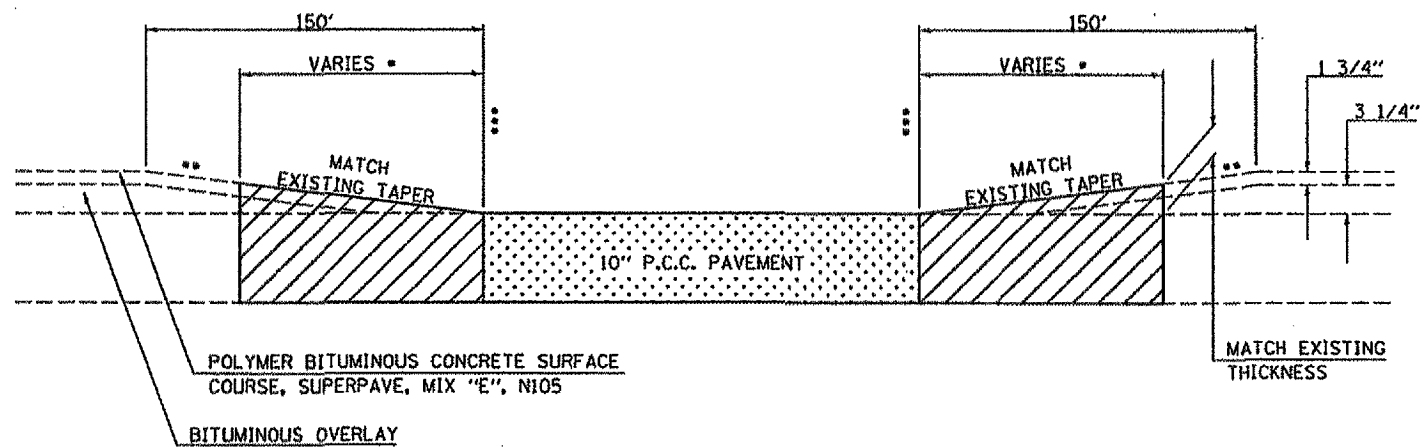
TOTAL: 30

DETAIL IN RUNDOWN AREA AT STRUCTURE

STRUCTURE NO. 092-0105; 092-0152; 092-0115

WESTBOUND PASSING LANES


- *** STATION 1158+87.00 TO STATION 1161+03.00
- *** STATION 1240+18.00 TO STATION 1242+20.00
- *** STATION 1319+72.00 TO STATION 1321+70.00



• REFER TO EXISTING TYPICAL CROSS SECTION FOR STATIONS

** THE PROPOSED PATCHES SHOULD MATCH THE EXISTING PAVEMENT SURFACE ELEVATION IN THE RUNDOWN AREA.

 CLASS B PATCHES, TYPE IV, 10 INCH

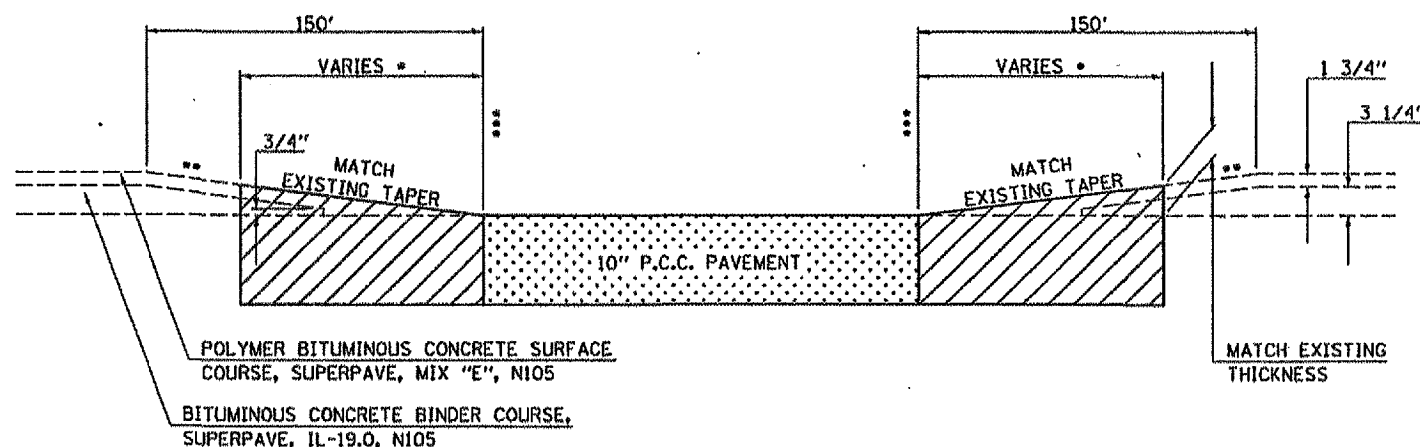
 CLASS B PATCHES, TYPE IV (REFER TO PATCHING SCHEDULE FOR LOCATION)

DETAIL IN RUNDOWN AREA AT STRUCTURE

STRUCTURE NO. 092-0105; 092-0152; 092-0115

WESTBOUND DRIVING LANES


- *** STATION 1158+92.00 TO STATION 1161+60.00
- *** STATION 1239+88.00 TO STATION 1242+32.00
- *** STATION 1319+70.00 TO STATION 1321+70.00



• REFER TO EXISTING TYPICAL CROSS SECTION FOR STATIONS

** THE PROPOSED PATCHES SHOULD MATCH THE EXISTING PAVEMENT SURFACE ELEVATION IN THE RUNDOWN AREA.

 CLASS B PATCHES, TYPE IV, 10 INCH

 CLASS B PATCHES, TYPE IV (REFER TO PATCHING SCHEDULE FOR LOCATION)

F.A.I. RTR.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		VERMILION	9	8

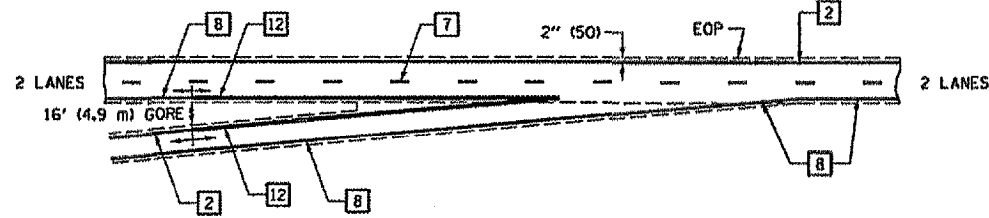
• D-5 CONTRACT MAINT 2006-2
CONTRACT NO. 70535

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74		VERMILION	9	9

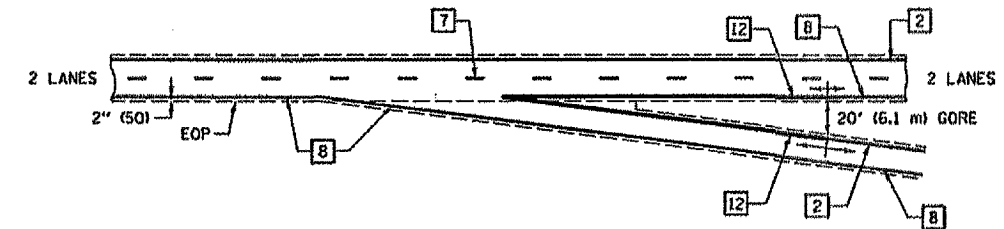
D-5 CONTRACT MAINT 2006-2
CONTRACT NO. 70535

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

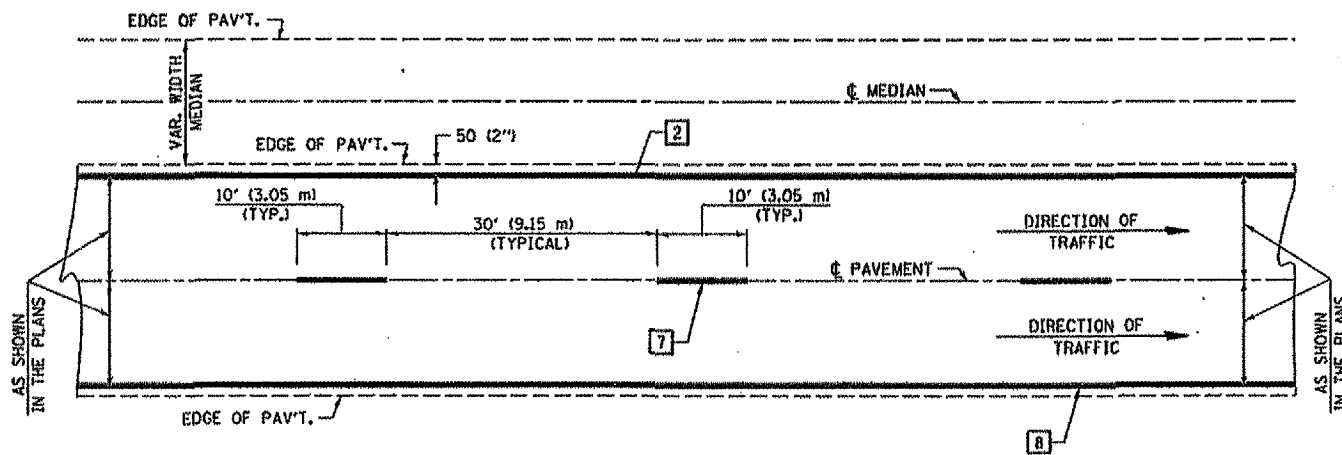
TYPICAL ENTRANCE RAMP TERMINAL



TYPICAL EXIT RAMP TERMINAL



CENTERLINE INTERSTATE OR MULTI-LANE TWO WAY DIVIDED HIGHWAY



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

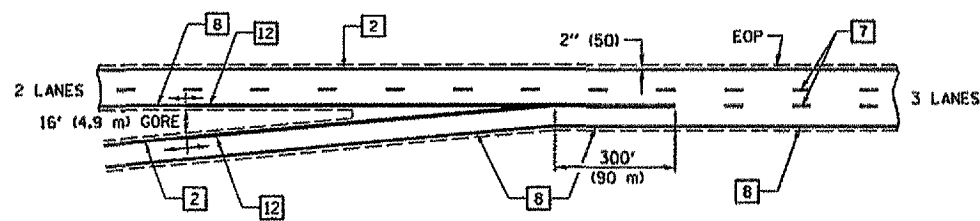
NOTE: SEE ARTICLES 780.04 & 781.03 FOR LOCATION OF STRIPES AND MARKERS RELATIVE TO EDGES OR JOINTS.

FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO STANDARD 781001.

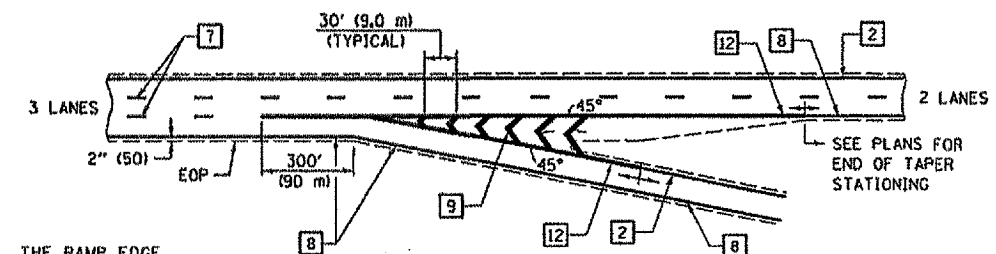
TYPICAL PAVEMENT MARKING LEGEND

- 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.

DESIGNED	NAME	DATE	REVISIONS	DATE
P.E.E.	P.E.E.	03/89		
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.