

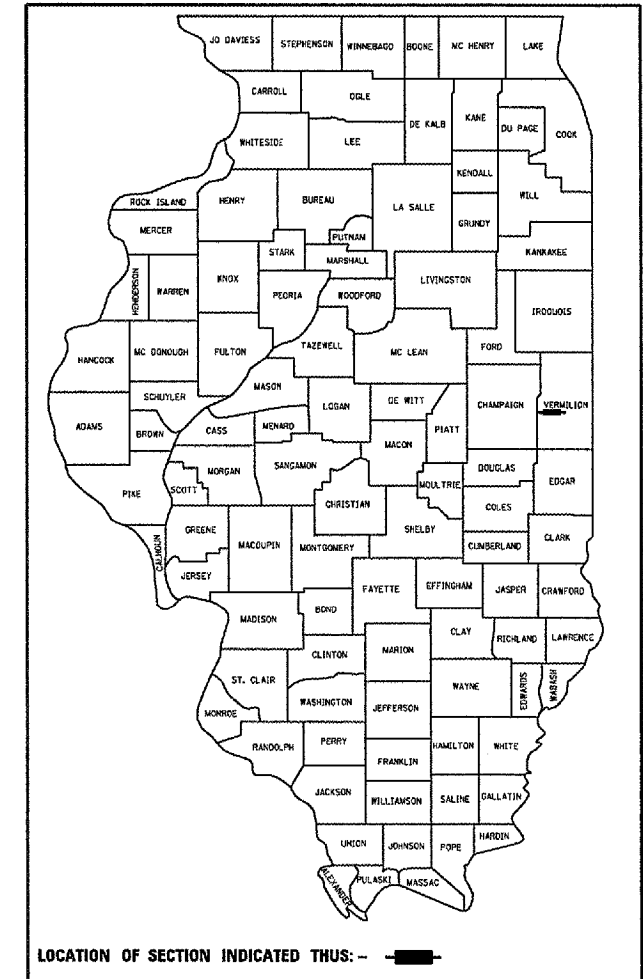
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D5 PATCHING 2008-4	VERMILION	8	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 70678	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAI ROUTE 74 (EB) (I-74)  
SECTION D5 PATCHING 2008-4  
PAVEMENT PATCHING  
AT TR8A 1.03 MI E OF CHAMPAIGN COUNTY LINE  
VERMILION COUNTY

D-95-058-07



LOCATION OF SECTION INDICATED THUS: —■—

**CURRENT ADT / DESIGN ADT**

CURRENT ADT 24,500 (2005)

**DESIGN DESIGNATION**

N/A

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED

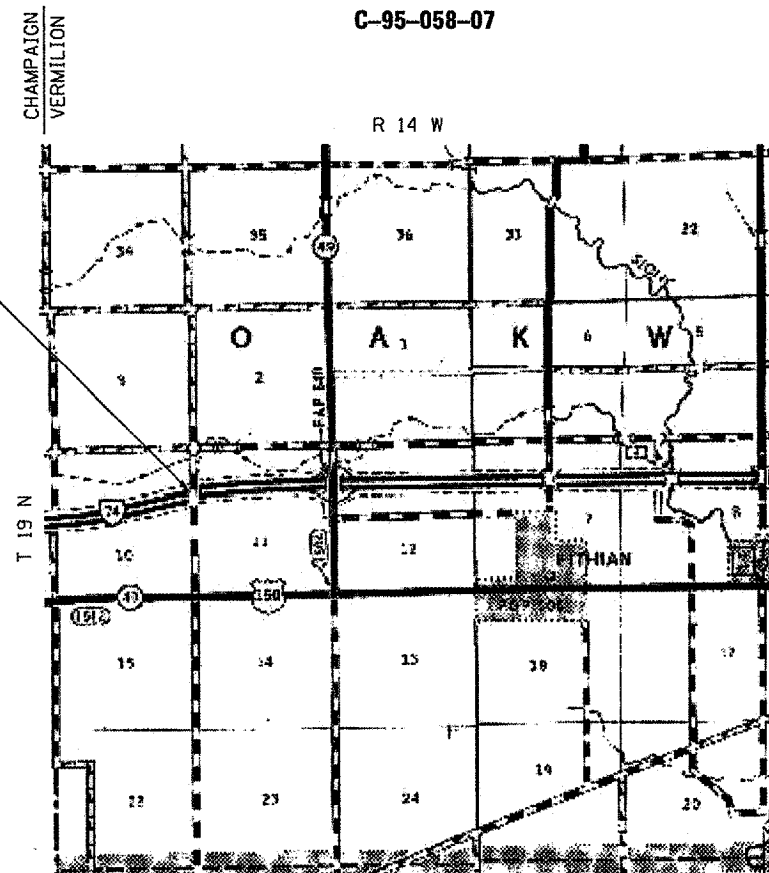
12/5 20 07

*Joseph E. Aronson*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

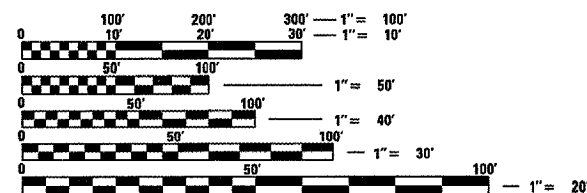
February 1, 2008  
*Eric E. Harm*  
ENGINEER OF DESIGN AND ENVIRONMENT

February 1, 2008  
*Christine M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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



SECTION D5 PATCHING 2008-4  
BEGINS @ STA. 1105+65.00  
ENDS @ STA. 1109+93.18  
S.N. 092-0146  
EB I-74 UNDER TR8A

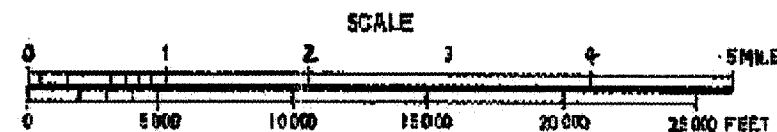


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811 OAKWOOD TOWNSHIP

PROJECT ENGINEER: KEVIN TRAPP  
SQUAD LEADER: CHRIS GREESON  
DESIGNER: MATT BOWER  
217/465-4181

CONTRACT NO. 70678



TOTAL LENGTH OF SECTION & PROJECT = 428.18 FT = 0.081 MILES  
NET LENGTH OF SECTION & PROJECT = 428.18 FT = 0.081 MILES

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

## INDEX OF SHEETS

<u>SHEET NO.</u>	<u>ITEM</u>
1	COVER SHEET
2	INDEX OF SHEETS / LIST OF STANDARDS
3	GENERAL NOTES
4	SUMMARY OF QUANTITIES
5	EXISTING TYPICAL CROSS SECTIONS
6	SCHEDULE OF QUANTITIES
7	DETAIL OF RUNDOWN UNDER STRUCTURE
8	DETAIL OF PAVEMENT MARKING ( INTERSTATE & MULTILANE APPLICATIONS)

## LIST OF STANDARDS

<u>STANDARD NO.</u>	<u>NAME OF STANDARD</u>
420001-07	PAVEMENT JOINTS
420101-04	24' ( 7.2 m) JOINTED PCC PAVEMENT
420701-02	PAVEMENT FABRIC
442101-07	CLASS B PATCHES
701101-01	OFF-ROAD OPERATIONS, MULTILANE, 4.5m ( 15' ) TO 600 mm ( 24" ) FROM PAVEMENT EDGE
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-04	LANE CLOSURE, FREEWAY/EXPRESSWAY
701426-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS 45 MPH
701901	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-01	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT

FILE NAME = c:\projects\4505807 (48)\all sheets.dgn	USER NAME = acillerbw	DESIGNED - MLB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS /LIST OF STANDARDS</b>	F.A.I RTE. 74	SECTION 05 PATCHING 2008-4	COUNTY VERMILION	TOTAL SHEETS 8	SHEET NO. 2
PLOT SCALE = 40.0000" / IN.	CHECKED - MLB	DRAWN - BBP	REVISED -	SCALE:	SHEET NO. 2 OF 8 SHEETS	STA.	TO STA.	CONTRACT NO. 70678		
PLOT DATE = 12/3/2007	DATE - 11/14/07	REVISED -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

## 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 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 (9m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

NO COMMITMENTS

FILE NAME = c:\projects\4505807\48\11\shhets.dgn	USER NAME = oollierbw	DESIGNED - MLB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - BBP	CHECKED - MLB	REVISED -			74	D5 PATCHING 2008-4	VERMILION	8	3
PLOT SCALE = 40,0000' / IN.	DATE - 11/14/07	REVISED -	REVISED -		SCALE:	SHEET NO. 3 OF 8 SHEETS	STA.	TO STA.	CONTRACT NO. 70678 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

## SUMMARY OF QUANTITIES

LOCATION OF WORK: FAI 74 (I-74)  
 EASTBOUND  
 RURAL  
 VERMILION CO.  
  
 STA. 1105+65.00  
 TO  
 STA. 1109+83.18

CONSTRUCTION TYPE CODE: 100% STATE  
 J000-2A

<u>CODE NO</u>	<u>ITEM</u>	<u>UNIT</u>	<u>TOTAL QUANTITY</u>
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	522.0
44201035	CLASS B PATCHES, TYPE III, 15 INCH	SQ YD	43.0
44201080	CLASS B PATCHES, TYPE IV	SQ YD	587.0
44213100	PAVEMENT FABRIC	SQ YD	1,152.0
44213200	SAW CUTS	FOOT	1,406.0
67100100	MOBILIZATION	L SUM	1.0
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1.0
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	6.0
• 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	957.0
• 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	12.0
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	14.0
Z0017100	DOWEL BARS	EACH	304.0
Z0075300	TIE BARS	EACH	207.0
• SPECIALTY ITEMS			



## SCHEDULE OF QUANTITIES

### CLASS B PATCHING

BEGINNING STATION	ENDING STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	PATCH AREA			DOWEL BARS Z0017100 (each)	SAW CUTS 44213200 (ft)	TIE BARS Z0075300 (each)	PAVEMENT FABRIC 44213100 (sq. yd)
						TYPE III 15.0" (sq. yd)	TYPE IV • (sq. yd)	TYPE IV 10.0" (sq. yd)				
1105+65.00	1106+33.18	EASTBOUND	DL	68.18	12.1	0.0	91.7	0.0	34	160.6	35	91.7
1105+65.00	1106+33.18	EASTBOUND	PL	68.18	12.1	0.0	91.7	0.0	34	92.4	0	91.7
1106+33.18	1108+27.18	EASTBOUND	DL	194	12.1	0.0	0.0	260.8	60	400.1	97	260.8
1106+33.18	1108+27.18	EASTBOUND	PL	194	12.1	0.0	0.0	260.8	60	206.1	0	260.8
1108+27.18	1109+77.18	EASTBOUND	DL	150	12.1	0.0	201.7	0.0	48	312.1	75	201.7
1108+27.18	1109+77.18	EASTBOUND	PL	150	12.1	0.0	201.7	0.0	48	162.1	0	201.7
1109+77.18	1109+93.18	EASTBOUND	DL	16	12.1	21.5	0.0	0.0	10	44.1	0	21.5
1109+77.18	1109+93.18	EASTBOUND	PL	16	12.1	21.5	0.0	0.0	10	28.1	0	21.5
SUB-TOTALS						43.0 (sq. yd)	586.8 (sq. yd)	521.6 (sq. yd)	304.0 (each)	1405.6 (ft)	207.0 (each)	1151.5 (sq. yd)

						PATCH AREA			DOWEL BARS	SAW CUTS	TIE BARS	PAVEMENT FABRIC
						TYPE III 15.0" (sq. yd)	TYPE IV • (sq. yd)	TYPE IV 10.0" (sq. yd)	Z0017100 (each)	44213200 (ft)	Z0075300 (each)	44213100 (sq. yd)
FINAL TOTALS						43.0 (sq. yd)	587.0 (sq. yd)	522.0 (sq. yd)	304.0 (each)	1406.0 (ft)	207.0 (each)	1152.0 (sq. yd)

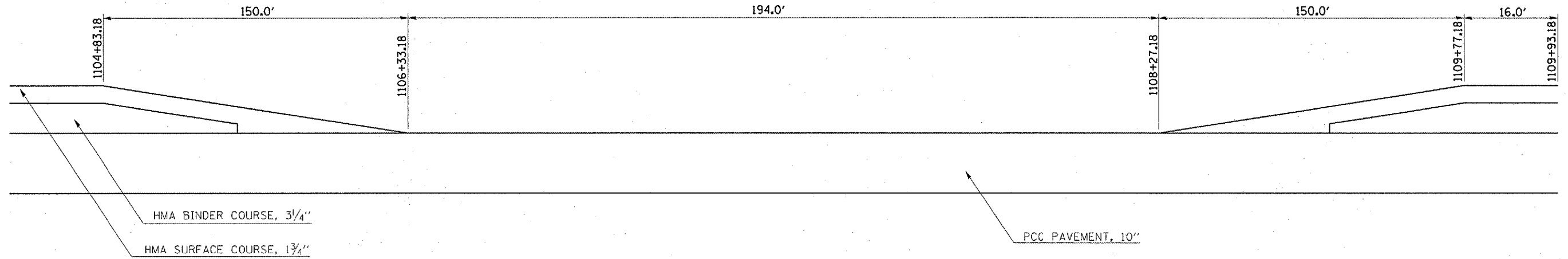
• CLASS B PATCHES, TYPE IV ARE VARIABLE DEPTH - SEE DETAIL

# DETAIL OF RUNDOWN UNDER STRUCTURE

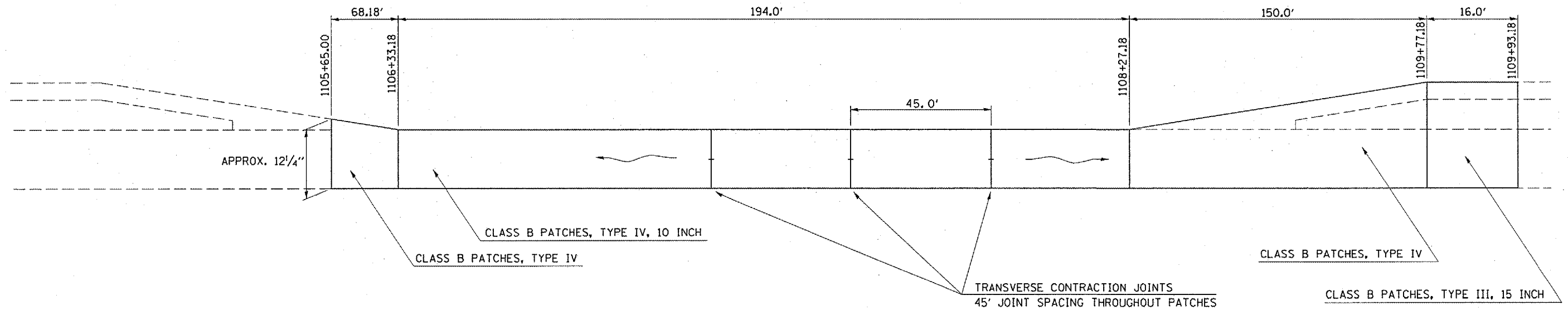
**S.N. 092-0146**

EASTBOUND LANES

## EXISTING



## PROPOSED



NOTE: NOT DRAWN TO SCALE

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		DRAWN - BBP	REVISED -
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	PLOT DATE = 12/3/2007	DATE - 11/14/07	REVISED -

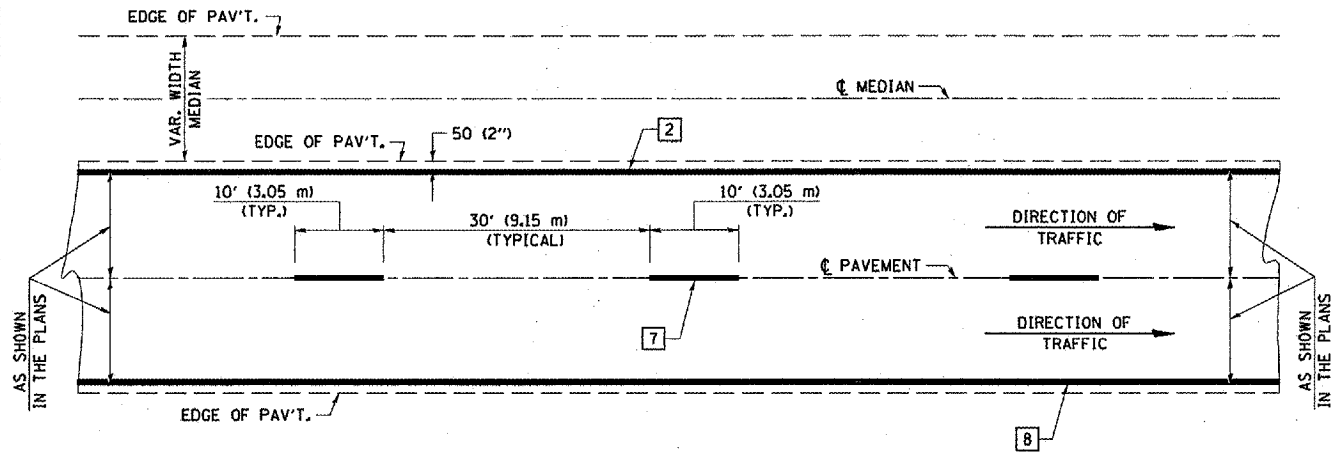
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF RUNDOWN UNDER STRUCTURE**

SCALE: NONE    SHEET NO. 7 OF 8 SHEETS    STA.    TO STA.

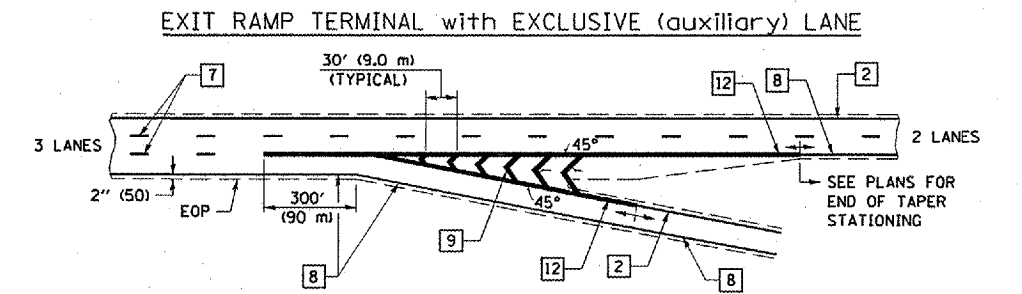
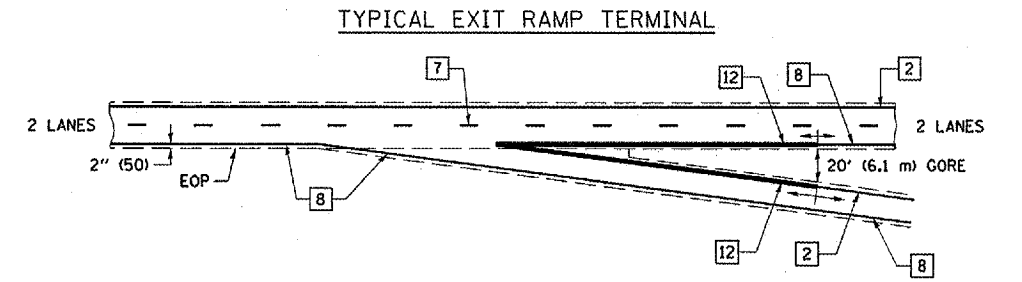
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D5 PATCHING 2008-4	VERMILION	8	7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70678	

CENTERLINE INTERSTATE OR MULTI-LANE TWO WAY DIVIDED HIGHWAY

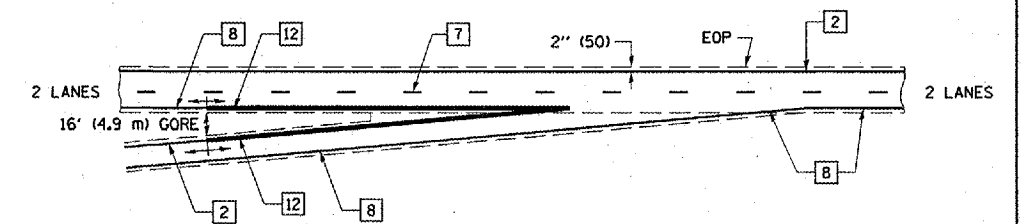


NOTE: PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

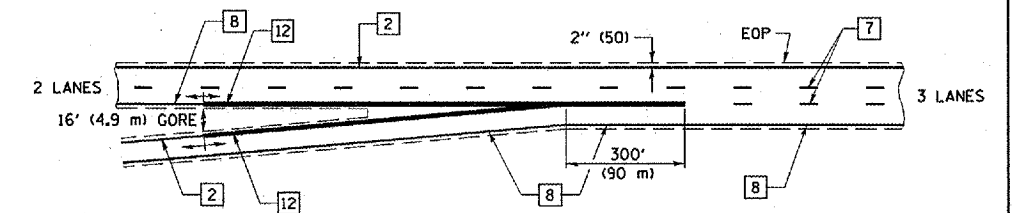
NOTE: SEE ARTICLES 780.04 & 781.03 FOR LOCATION OF STRIPES AND MARKERS RELATIVE TO EDGES OR JOINTS. FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO STANDARD 781001.



TYPICAL ENTRANCE RAMP TERMINAL

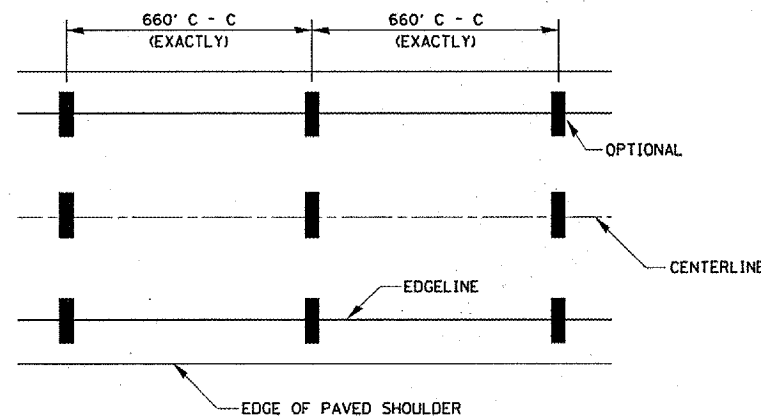


ENTRANCE RAMP TERMINAL with EXCLUSIVE LANE

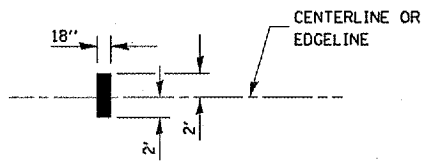


TYPICAL PAVEMENT MARKING LEGEND

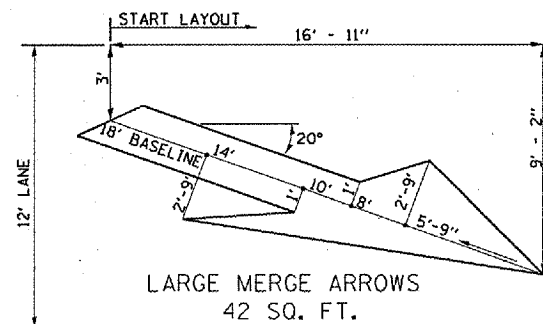
- 1 4" (100) SKIP-DASH (YELLOW)
  - 2 4" (100) SOLID (YELLOW)
  - 3 12" (300) DIAGONAL (YELLOW)
  - 4 4" (100) DOUBLE YELLOW (NARROW)
  - 5 RESERVED
  - 6 RESERVED
  - 7 4" (100) SKIP-DASH (WHITE)
  - 8 4" (100) SOLID (WHITE)
  - 9 12" (300) DIAGONAL (WHITE)
  - 10 6" (150) SOLID (WHITE)
  - 11 24" (600)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



IT WILL BE NECESSARY TO HAVE A REPRESENTATIVE OF THE STATE POLICE PRESENT SO THAT THE ACCURACY OF MEASUREMENT CAN BE ATTESTED TO IN COURT.



AERIAL SPEED CHECK ZONES



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

FILE NAME =	USER NAME = oollierbw	DESIGNED -	REVISED - 11/06
c:\projects\d505807\l8\all sheets.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING (INTERSTATE & MULTI-LANE APPLICATIONS)

SCALE: SHEET NO. 8 OF 8 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800BBBB				
F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D5 PATCHING 2008-4	VERMILION	8	8
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70658	