

(217)465-4181

PROJECT ENGINEER: KENSIL GARNETT

SQUAD LEADER: CORY SHEEHY

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	92-9 I	VERMILION	8	1

CONTRACT NO. 70657
D-95-029-07

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

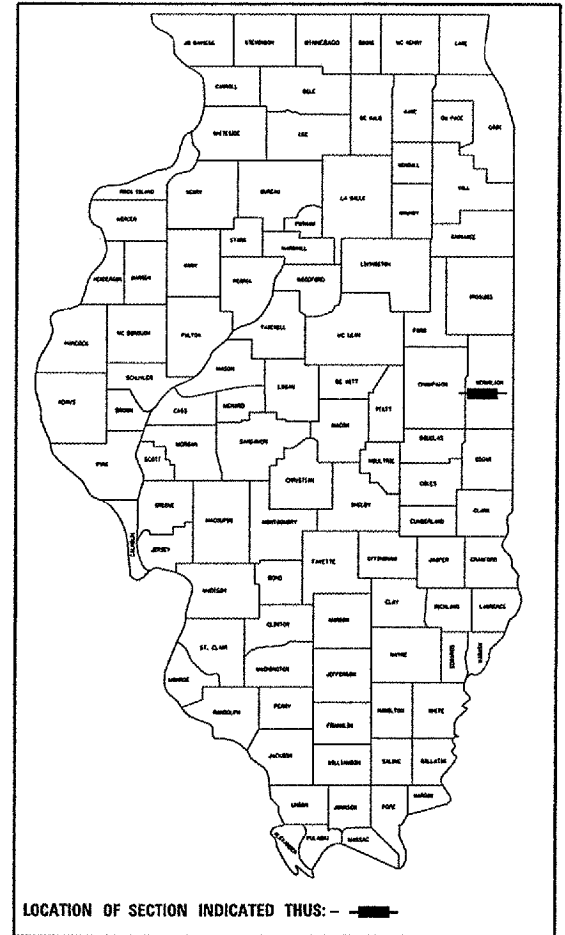
FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4

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

**F.A.I. ROUTE 74 (I-74)
SECTION 92-9 I
VERMILION COUNTY**

C-95-029-07

PATCHING UNDER TR 34B N OF FITHIAN & CH 11 N OF MUNCIE

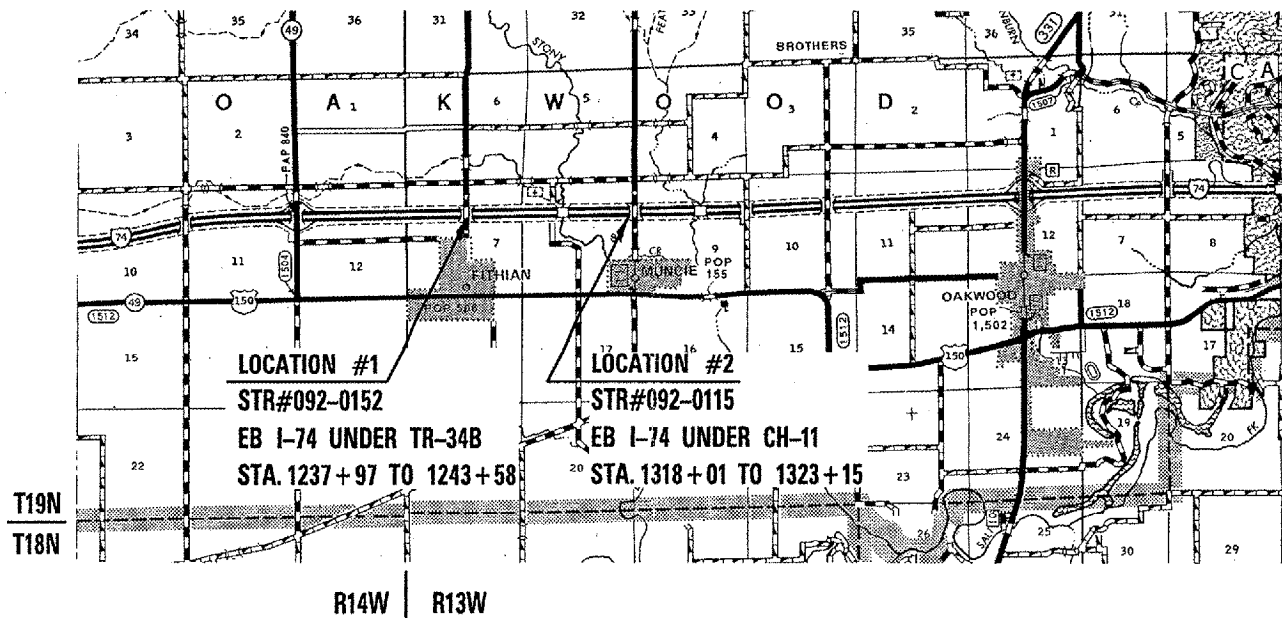


CURRENT ADT / DESIGN ADT

CURRENT ADT 24,500 (2007)

DESIGN DESIGNATION

N/A



CONTRACT NO. 70657

TOTAL LENGTH OF SECTION & PROJECT = 8,518 FEET = 1.613 MILES
NET LENGTH OF SECTION & PROJECT = 1,075 FEET = 0.204 MILES

(EAST BOUND LANES ONLY)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 5/17 20 07

Joseph E. Cowen
DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

Eric E. Horn
ENGINEER OF DESIGN AND ENVIRONMENT

Milton R. Sees, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	92-9 I	VERMILION	8	2

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, PASSING LANES
8	DETAIL OF EXISTING RUNDOWN AT STRUCTURES, DRIVING LANES
9	TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS

LIST OF STANDARDS

CONTRACT NO. 70657

<u>STANDARD NO.</u>	<u>NAME OF STANDARD</u>
001001-01	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
442101-06	CLASS B PATCHES
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-03	LANE CLOSURE, FREEWAY/EXPRESSWAY
701426-02	LANE CLOSURE, MULILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	92-9 (VERMILION	8	3

CONTRACT NO. 70657

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

THE STATE WILL BE RESPONSIBLE FOR APPLICATION OF ALL PAINT PAVEMENT MARKINGS.

TO SCHEDULE PAINT PAVEMENT MARKING OPERATIONS.

PLEASE CONTACT:
DISTRICT TRAFFIC ENGINEER
H. JAY HANNER AT 217-465-4181

G.N.-1004.01

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

NO COMMITMENTS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	92-9 I	VERMILION	8	4

SUMMARY OF QUANTITIES

CONTRACT NO. 70657

LOCATION OF WORK: VERMILION COUNTY

RURAL MULTI LANE

E.B. FAI-74 (I-74)

**SEE STATIONS

BELOW

100% STATE

CONSTRUCTION TYPE CODE:

J000-2A

TOTAL

QUANTITY

<u>CODE NO.</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	1,046.0
44201080	CLASS B PATCHES, TYPE IV	SQ YD	1,600.0
44213100	PAVEMENT FABRIC	SQ YD	2,646.0
44213200	SAW CUTS	FOOT	3,203.0
67100100	MOBILIZATION	L SUM	1.0
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1.0
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	7.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	27.0
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	14.0
Z0017100	DOWEL BARS	EACH	80.0
Z0075300	TIE BARS	EACH	538.0

* SPECIALITY ITEMS

EAST BOUND LANES ONLY

** LOCATION OF WORK: UNDER STRUCTURE # 092-0152 STA. 1237+97 TO STA. 1243+58

& UNDER STRUCTURE # 092-0115 STA. 1318+01 TO STA. 1323+15

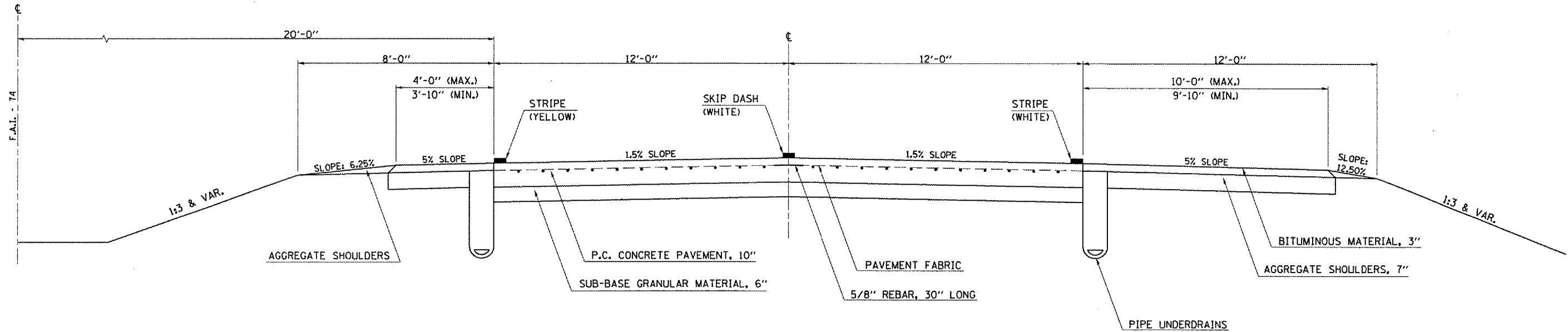
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	92-9 I	VERMILION	8	5

EASTBOUND PASSING LANE
 STATION 1240+12 TO 1242+08
 STATION 1319+69 TO 1321+65

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

EASTBOUND DRIVING LANE
 STATION 1239+47 TO 1241+43
 STATION 1319+51 TO 1321+47

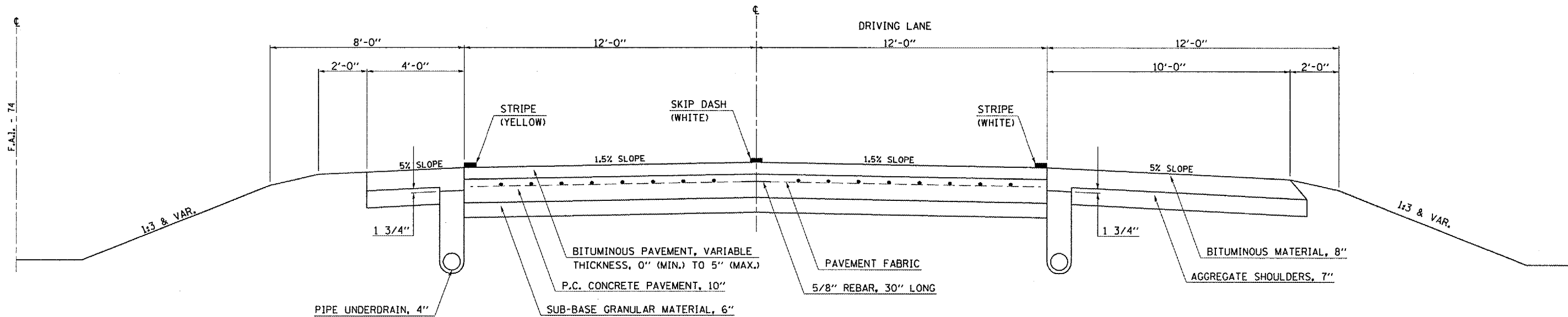
CONTRACT NO. 70657



EASTBOUND PASSING LANE
 STATION 1238+62 TO 1240+12
 STATION 1242+08 TO 1243+58
 STATION 1318+19 TO 1319+69
 STATION 1321+65 TO 1323+15

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

EASTBOUND DRIVING LANE
 STATION 1237+97 TO 1239+47
 STATION 1241+43 TO 1242+93
 STATION 1318+01 TO 1319+51
 STATION 1321+47 TO 1322+97



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	92-9 I	VERMILION	8	6

SCHEDULE OF QUANTITIES

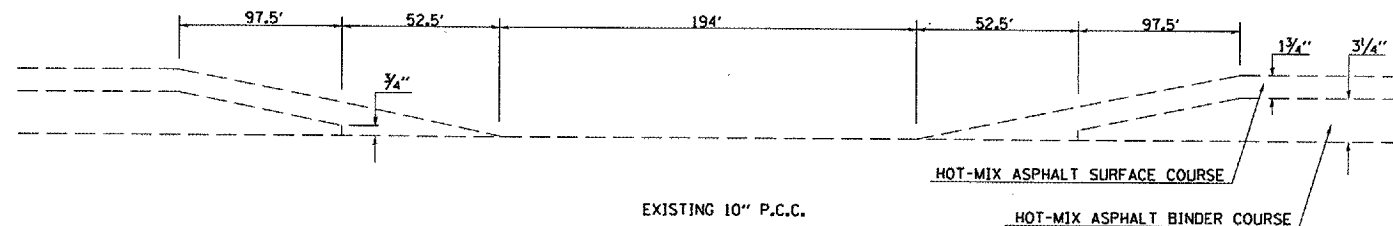
CONTRACT NO. 70657

	DEPTH	STATION	DIRECTION	LANE	LENGTH FT	WIDTH FT	PATCH	PATCH	SAW CUTS FT	PVMT FAB SQYD	TIE BARS EACH	DOWEL BARS EACH
							AREA TYP IV VAR SQYD	AREA TYP IV 10" SQYD				
092-0152	VAR	1238+62.00	EB	PL	150	12	200.0		324.0	200.0	75	10
	10"	1240+12.00	EB	PL	196	12		261.3	392.0	261.3	98	
	VAR	1242+08.00	EB	PL	150	12	200.0		312.0	200.0	75	10
	VAR	1237+97.00	EB	DL	150	12	200.0		239.0	200.0	33	10
	10"	1239+47.00	EB	DL	196	12		261.3	196.0	261.3	0	
	VAR	1241+43.00	EB	DL	150	12	200.0		162.0	200.0	0	10
092-0115	VAR	1318+19.00	EB	PL	150	12	200.0		324.0	200.0	75	10
	10"	1319+69.00	EB	PL	196	12		261.3	392.0	261.3	98	
	VAR	1321+65.00	EB	PL	150	12	200.0		312.0	200.0	75	10
	VAR	1318+01.00	EB	DL	150	12	200.0		192.0	200.0	9	10
	10"	1319+51.00	EB	DL	196	12		261.3	196.0	261.3	0	
	VAR	1321+47.00	EB	DL	150	12	200.0		162.0	200.0	0	10
TOTAL							1600.0	1045.3	3203.0	2645.3	538.0	80.0
USE							1600.0	1046.0	3203.0	2646.0	538.0	80.0

DETAIL OF RESURFACING OMISSION UNDER STRUCTURES

DRIVING LANES

S.N. 092-0152 & 092-0115



DETAIL OF RUNDOWN AREA AT STRUCTURE

STRUCTURE NO. 092-0152; 092-0115

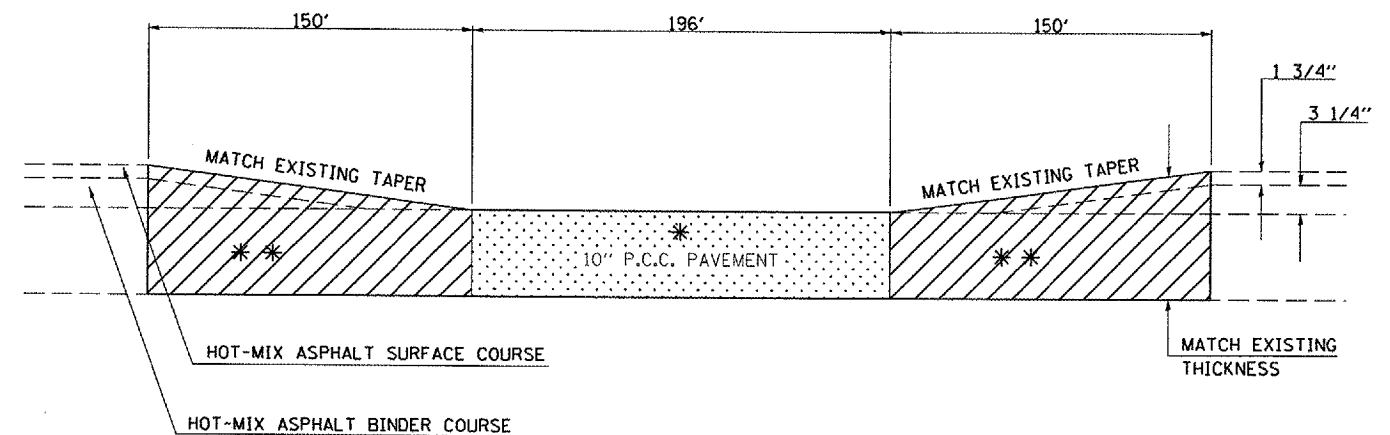
EASTBOUND PASSING LANES

STATION 1238+62.00 TO STATION 1243+58.00

STATION 1318+19.00 TO STATION 1323+15.00

CONTRACT NO. 70657

NOTE: The resident engineer/technician should establish a centerline profile for the patch to be placed to.



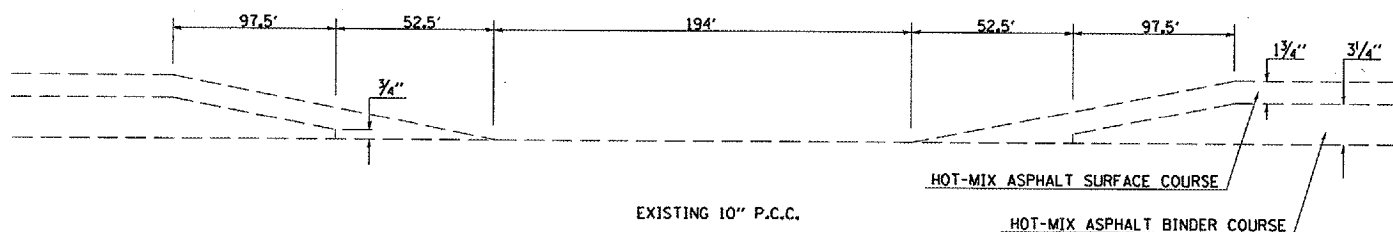
- REFER TO EXISTING TYPICAL CROSS SECTION FOR STATIONS
- THE PROPOSED PATCHES SHOULD MATCH THE EXISTING PAVEMENT SURFACE ELEVATION IN THE RUNDOWN AREA.

- CLASS B PATCHES, TYPE IV, 10 INCH
- CLASS B PATCHES, TYPE IV (VARIABLE DEPTH 10" TO 15")

DETAIL OF RESURFACING OMISSION UNDER STRUCTURES

PASSING LANES

S.N. 092-0152 & 092-0115



DETAIL OF RUNDOWN AREA AT STRUCTURE

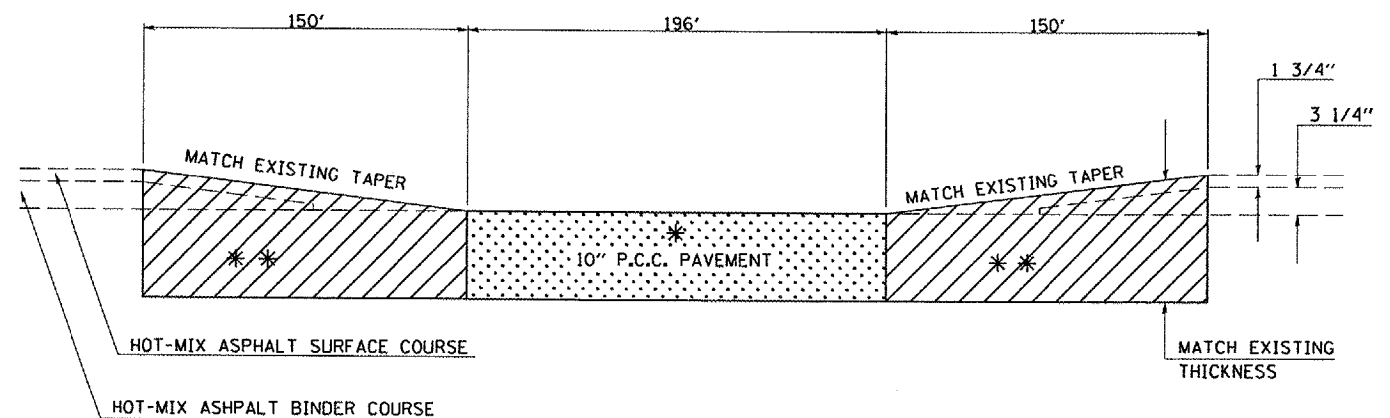
STRUCTURE NO. 092-0152 & 092-0115

EASTBOUND DRIVING LANES

STATION 1237+97.00 TO STATION 1242+93.00

STATION 1318+01.00 TO STATION 1322+97.00

NOTE: The resident engineer/technician should establish a centerline profile for the patch to be placed to.

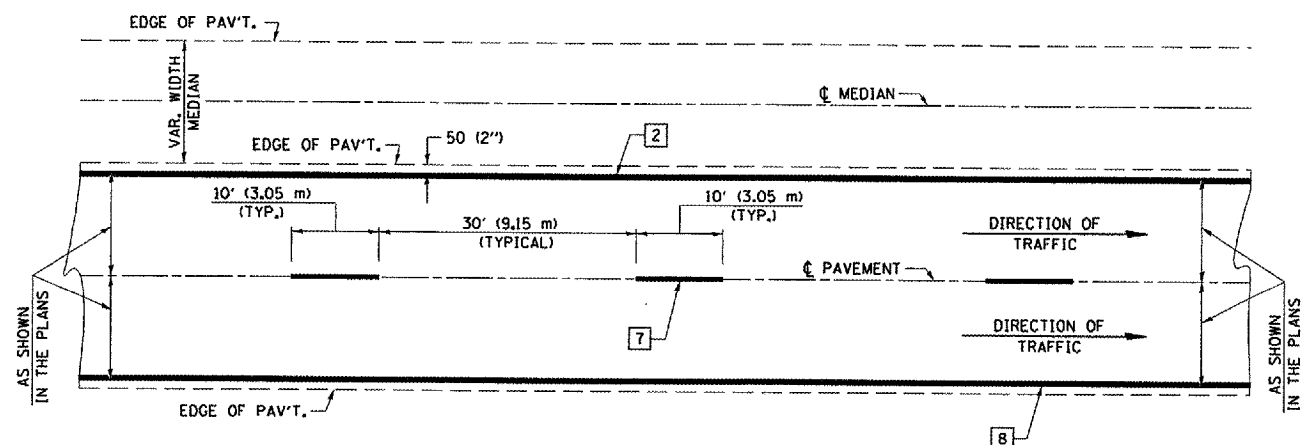


- REFER TO EXISTING TYPICAL CROSS SECTION FOR STATIONS
- THE PROPOSED PATCHES SHOULD MATCH THE EXISTING PAVEMENT SURFACE ELEVATION IN THE RUNDOWN AREA.

- CLASS B PATCHES, TYPE IV, 10 INCH
- CLASS B PATCHES, TYPE IV (VARIABLE DEPTH 10" TO 15")

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	92-9 1	VERMILION	8	8

CENTERLINE INTERSTATE OR MULTI-LANE TWO WAY DIVIDED HIGHWAY

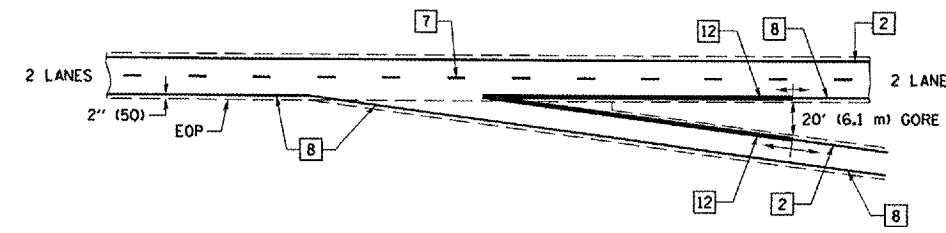


NOTE: PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

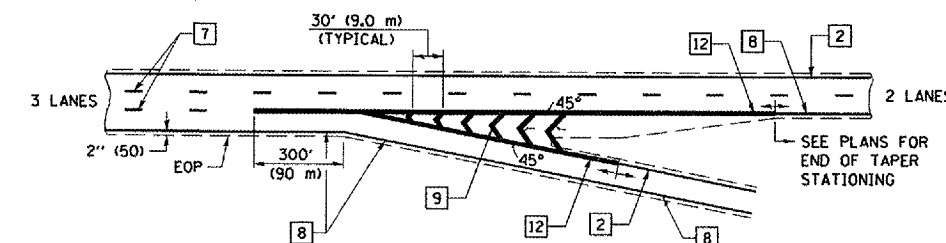
NOTE: SEE ARTICLES 780.04 & 781.03 FOR LOCATION OF STRIPES AND MARKERS RELATIVE TO EDGES OR JOINTS.

FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO STANDARD 781001.

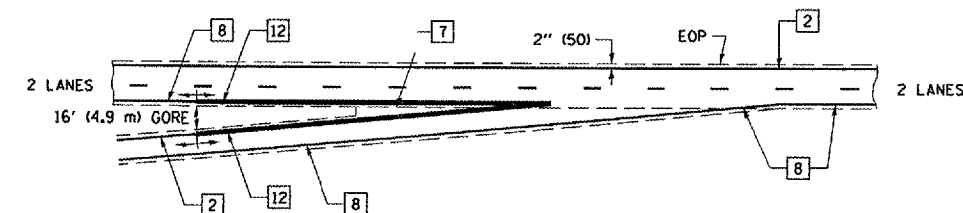
TYPICAL EXIT RAMP TERMINAL



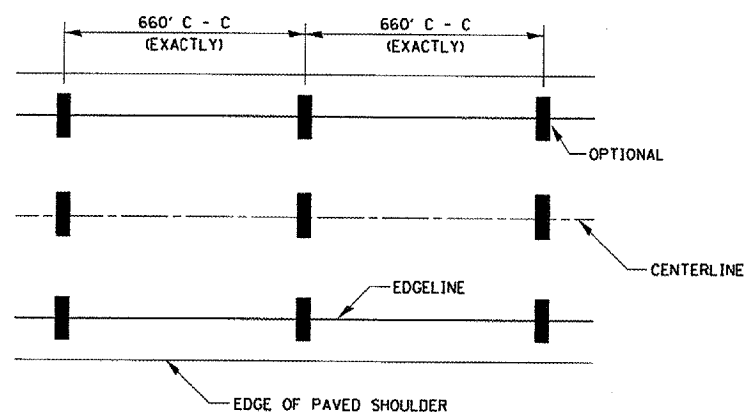
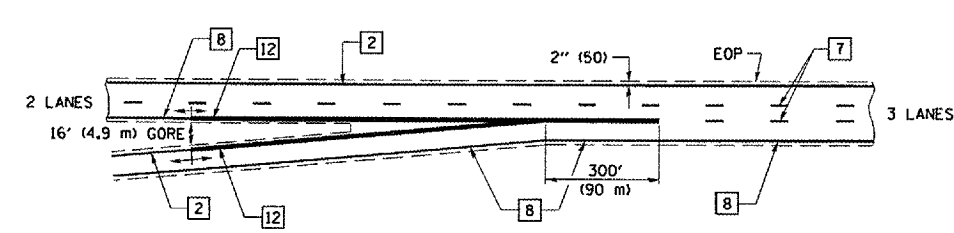
EXIT RAMP TERMINAL with EXCLUSIVE (auxiliary) LANE



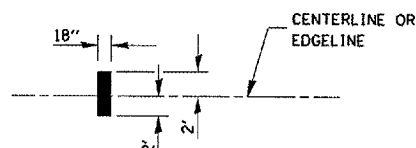
TYPICAL ENTRANCE RAMP TERMINAL



ENTRANCE RAMP TERMINAL with EXCLUSIVE LANE



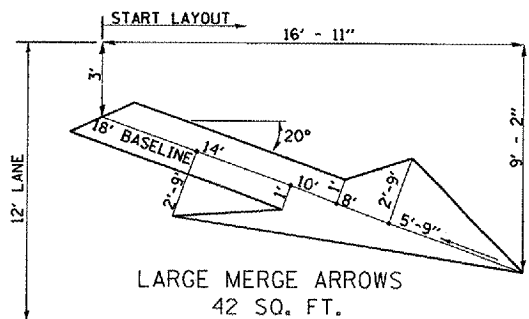
IT WILL BE NECESSARY TO HAVE A REPRESENTATIVE OF THE STATE POLICE PRESENT SO THAT THE ACCURACY OF MEASUREMENT CAN BE ATTESTED TO IN COURT.



AERIAL SPEED CHECK ZONES

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)



DESIGNER NOTE:

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

DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
11/06	REPLACED DETAIL F-5.22	TJB	

PAVEMENT MARKING
(INTERSTATE & MULTI-LANE APPLICATIONS)

DISTRICT 5 DETAIL NO. 7800BBB