

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D5_PATCHING_2008-3	CHAMPAIGN	10	1
FED. ROAD DIST. NO. -		ILLINOIS	CONTRACT NO. 70677	

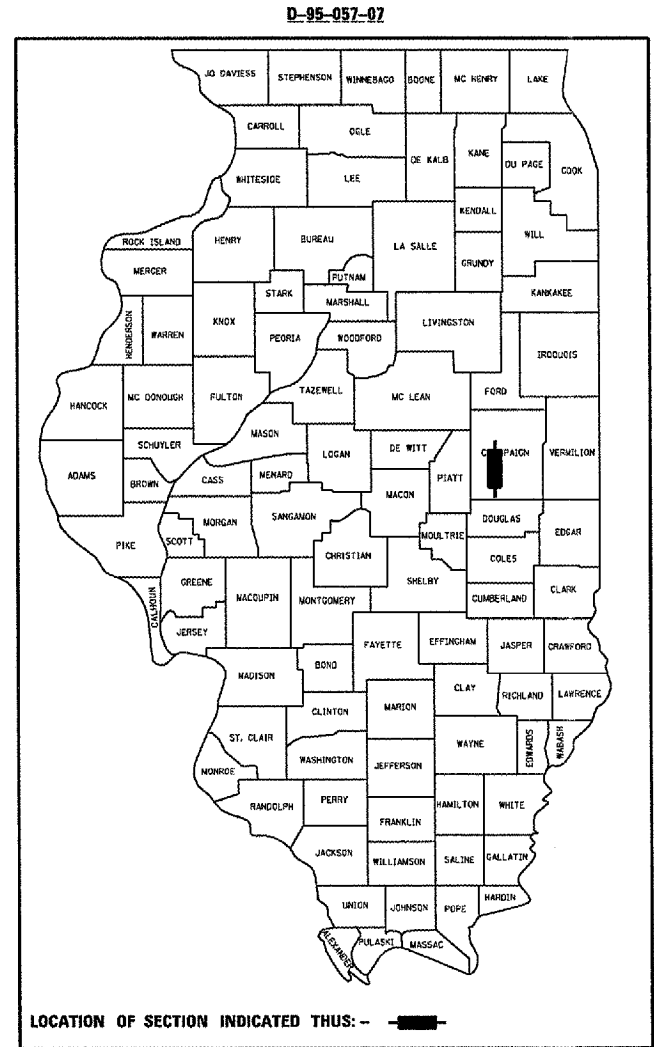
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

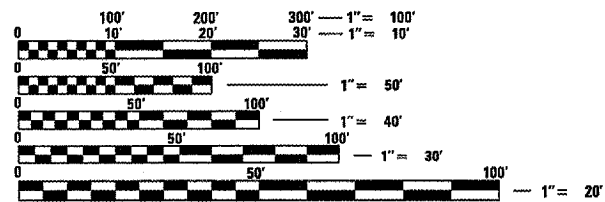
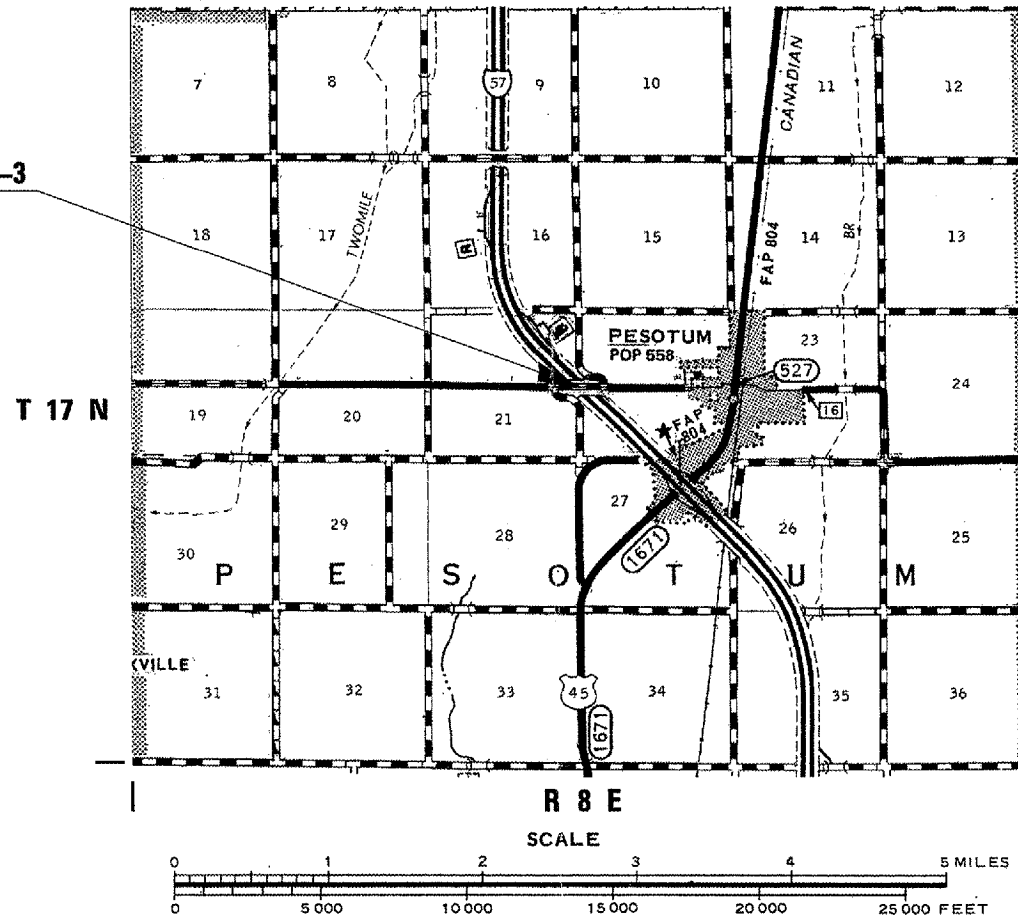
**FAI ROUTE 57 (SB) (I-57)
SECTION D5 PATCHING 2008-3
PAVEMENT PATCHING
AT TR297B 3.08 MI N OF DOUGLAS COUNTY LINE
CHAMPAIGN COUNTY**

C-95-057-07

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



SECTION D5 PATCHING 2008-3
BEGINS: STA 172 + 37.00
ENDS: STA 169 + 68.00
S.N. 010-0145
SB I-57 UNDER TR297B



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 PESOTUM TOWNSHIP

PROJECT ENGINEER : KEVIN TRAPP
SQUAD LEADER : JASON W. STULTS
(217) 465-4181
CONTRACT NO. 70677

TOTAL LENGTH OF SECTION & PROJECT = 269.0 FT = 0.05 MILES
NET LENGTH OF SECTION & PROJECT = 269.0 FT = 0.05 MILES

CURRENT ADT / DESIGN ADT CURRENT ADT 27,500 (2007)
DESIGN DESIGNATION NA

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 10/22/07

Joseph L. Crowe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Eric E. Horn
ENGINEER OF DESIGN AND ENVIRONMENT

Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

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	EXISTING TYPICAL CROSS SECTION
6,7	SCHEDULE OF QUANTITIES
8	PLAN SHEET
9	DETAIL OF RUNDOWN UNDER STRUCTURE
10	DETAIL OF PAVEMENT MARKING (INTERSTATE & MULTI-LANE APPLICATIONS)

LIST OF STANDARDS

<u>STANDARD NO.</u>	<u>NAME OF STANDARD</u>
420001-07	PAVEMENT JOINTS
420701-02	PAVEMENT FABRIC
442101-07	CLASS B PATCHES
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 \geq 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

GENERAL NOTES

NO COMMITMENTS

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.-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.

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.

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.-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.-1004.01

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

FILE NAME = c:\projects\4505707 (w8)\78677\text.dgn	USER NAME = collierbw	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.I. RTE. 57	SECTION 05_PATCHING_2008:3	COUNTY CHAMPAIGN	TOTAL SHEETS 10	SHEET NO. 3
		DRAWN - ---	REVISED - ---							
		PLOT SCALE = 200.0000' / IN.	CHECKED - ---							
		PLDT DATE = 10/22/2007	DATE - ---							
			REVISED - ---							
						SCALE: _____	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT CONTRACT NO. 70677	

SUMMARY OF QUANTITIES

LOCATION OF WORK: FAI 57 (I 57)
SOUTHBOUND
RURAL

CHAMPAIGN CO.

STA. 172+37.00
TO
STA. 169+68.00

CONSTRUCTION TYPE CODE: 100% STATE
J000-2A
TOTAL
QUANTITY

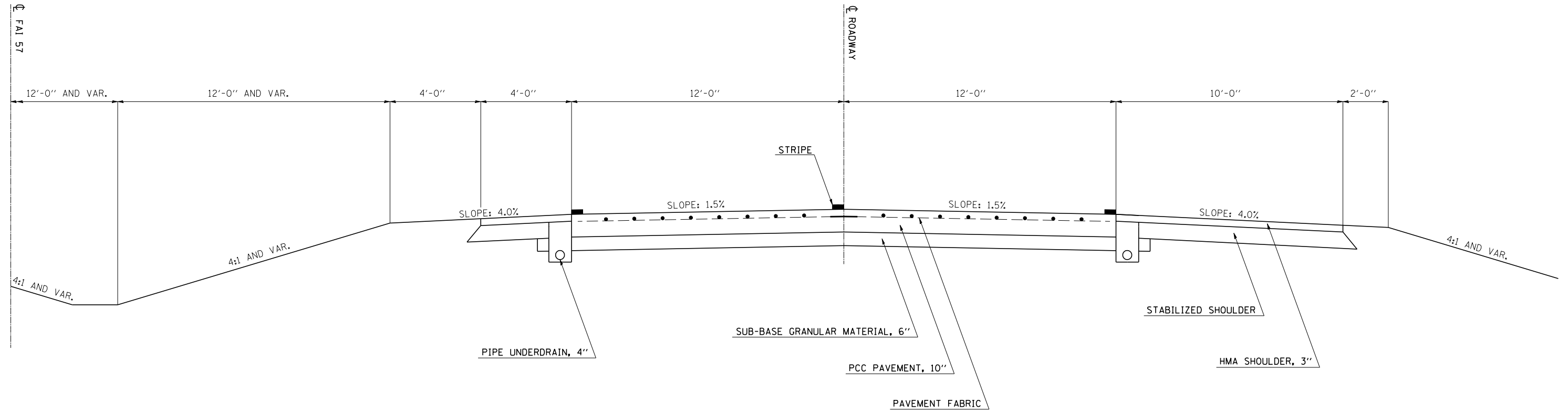
CODE NO	ITEM	UNIT	QUANTITY
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	523.0
44201080	CLASS B PATCHES, TYPE IV	SQ YD	195.0
44213100	PAVEMENT FABRIC	SQ YD	718.0
44213200	SAW CUTS	FOOT	879.0
67100100	MOBILIZATION	L SUM	1.0
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1.0
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	6.0
* 78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	FOOT	609.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	6.0
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	14.0
Z0017100	DOWEL BARS	EACH	40.0
Z0075300	TIE BARS	EACH	135.0

* SPECIALTY ITEM

FILE NAME = c:\projects\4505707 (48)\70677\text.dgn	USER NAME = collierbw	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - ---	REVISED - ---			57	05_PATCHING_2008-3	CHAMPAIGN	10	4
		CHECKED - ---	REVISED - ---			CONTRACT NO. 10677				
		DATE - ---	REVISED - ---			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
				SCALE: _____	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____				

EXISTING TYPICAL CROSS SECTION

STA. 172+37.00 TO STA. 169+68.00 (SOUTHBOUND) LOOKING SOUTH



FILE NAME =	USER NAME = collierbw	DESIGNED -	REVISD -
ct:\projects\d505707 (v8)\70677\typicals.dgn		DRAWN -	REVISD -
	PLOT SCALE = 200.0000' / IN.	CHECKED -	REVISD -
	PLOT DATE = 10/22/2007	DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL CROSS SECTION

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	05_PAICHING_2008-3	CHAMPAIGN	10	5
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 10677	

SCHEDULE OF QUANTITIES

CLASS B PATCHING

BEGINNING STATION	ENDING STATION	DIRECTION	LANE	LENGTH	WIDTH	PATCH AREA				DOWEL BARS	SAW CUTS	TIE BARS	PAVEMENT FABRIC
						TYPE I	TYPE II	TYPE III	TYPE IV				
						10.0"	10.0"	10.0"	10.0"				
				(ft)	(ft)	(sq. yd)	(sq. yd)	(sq. yd)	(sq. yd)	(each)	(ft)	(each)	(sq. yd)
171+86.00	169+90.00	SOUTHBOUND	DL	196	12	0.0	0.0	0.0	261.3	0	392.0	98	261.3
171+86.00	169+90.00	SOUTHBOUND	PL	196	12	0.0	0.0	0.0	261.3	0	196.0	0	261.3
SUB-TOTALS						0.0	0.0	0.0	522.7	0.0	588.0	98.0	522.7
						(sq. yd)	(sq. yd)	(sq. yd)	(sq. yd)	(each)	(ft)	(each)	(sq. yd)

BEGINNING STATION	ENDING STATION	DIRECTION	LANE	LENGTH	WIDTH	PATCH AREA				DOWEL BARS	SAW CUTS	TIE BARS	PAVEMENT FABRIC
						TYPE I	TYPE II	TYPE III	TYPE IV				
						10.0"	10.0"	10.0"	*				
				(ft)	(ft)	(sq. yd)	(sq. yd)	(sq. yd)	(sq. yd)	(each)	(ft)	(each)	(sq. yd)
169+90.00	169+68.00	SOUTHBOUND	DL	22	12	0.0	0.0	0.0	29.3	10	68.0	11	29.3
169+90.00	169+68.00	SOUTHBOUND	PL	22	12	0.0	0.0	0.0	29.3	10	46.0	0	29.3
172+37.00	171+86.00	SOUTHBOUND	DL	51	12	0.0	0.0	0.0	68.0	10	114.0	26	68.0
172+37.00	171+86.00	SOUTHBOUND	PL	51	12	0.0	0.0	0.0	68.0	10	63.0	0	68.0
SUB-TOTALS						0.0	0.0	0.0	194.7	40.0	291.0	37.0	194.7
						(sq. yd)	(sq. yd)	(sq. yd)	(sq. yd)	(each)	(ft)	(each)	(sq. yd)

PATCH AREA		DOWEL BARS	SAW CUTS	TIE BARS	PAVEMENT FABRIC
TYPE IV	TYPE IV				
10"	*				
(sq. yd)	(sq. yd)	(each)	(ft)	(each)	(sq. yd)
523.0	195.0	40.0	879.0	135.0	718.0
(sq. yd)	(sq. yd)	(each)	(ft)	(each)	(sq. yd)

FINAL TOTALS

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

SCHEDULE OF QUANTITIES

RAISED REFLECTIVE PAVEMENT MARKER - 78100100

ONE WAY CRYSTAL MARKER *

STATION	TO STATION	EACH
172+37.00	169+68.00	6.0
TOTAL		6.0 EACH

* USE DOUBLE LANE LINE MARKERS

POLYUREA PAVEMENT MARKING TYPE II - LINE 4" - 78008310

WHITE - CENTERLINE STRIPE

STATION	TO STATION	FOOT
172+37.00	169+68.00	70.0

WHITE - EDGE LINE STRIPE

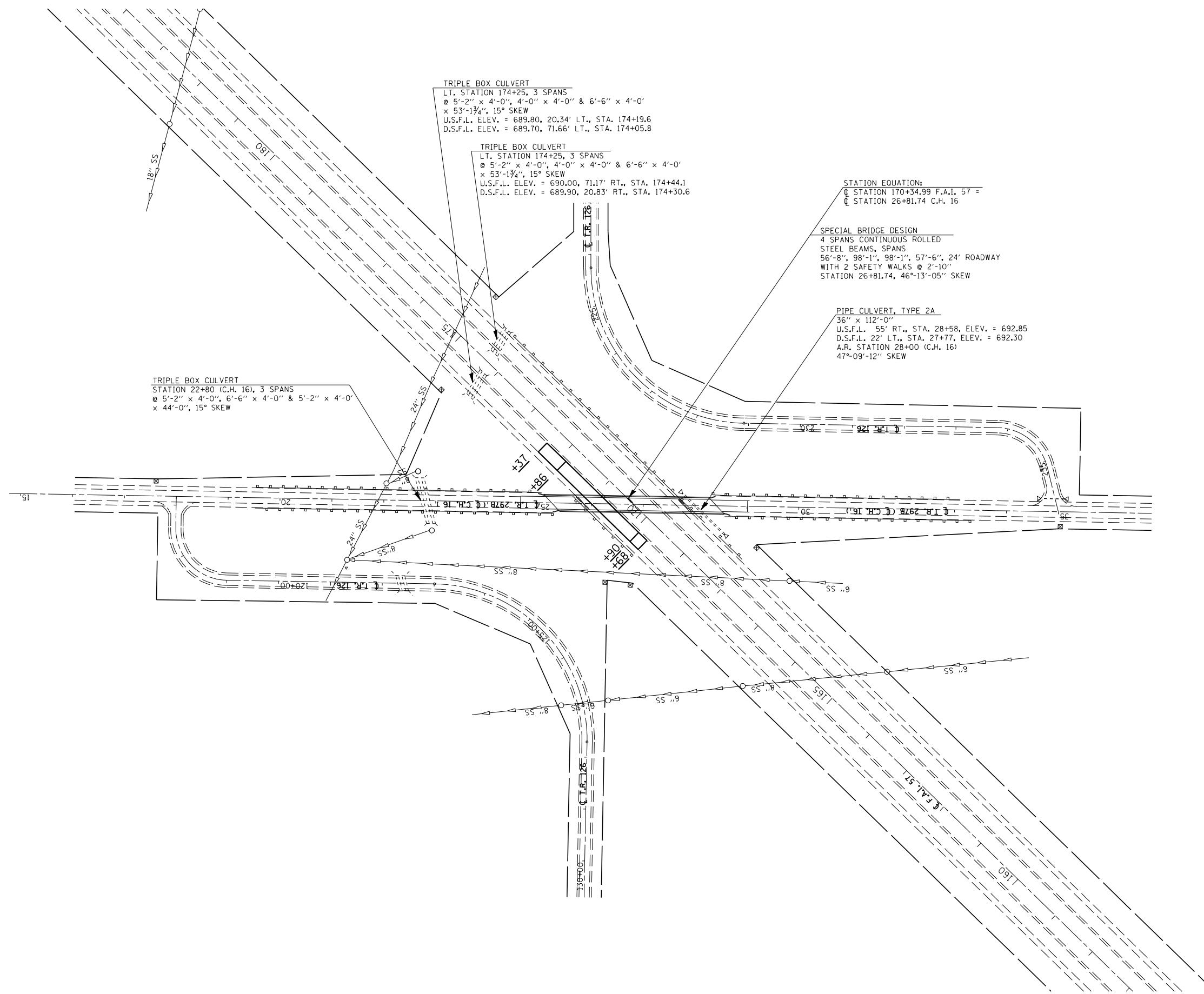
STATION	TO STATION	FOOT
172+37.00	169+68.00	269.0

YELLOW - EDGE LINE STRIPE

STATION	TO STATION	FOOT
172+37.00	169+68.00	269.0

TOTAL 609.0 FOOT

FILE NAME = c:\projects\d505707 (v8)\70677text.dgn	USER NAME = collierbw	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.I. RTE. 51	SECTION 05_PAICHING_2008-3	COUNTY CHAMPAIGN	TOTAL SHEETS 10	SHEET NO. 7	
		DRAWN - ---	REVISED - ---								
		CHECKED - ---	REVISED - ---								
		DATE - ---	REVISED - ---								
		PLOT SCALE = 200.0000' / IN.									
		PLOT DATE = 10/22/2007									
						SCALE: -----	SHEET NO. -- OF --- SHEETS	STA. ----- TO STA. -----	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT		
						CONTRACT NO. 10677					



TRIPLE BOX CULVERT
 LT. STATION 174+25, 3 SPANS
 @ 5'-2" x 4'-0", 4'-0" x 4'-0" & 6'-6" x 4'-0"
 x 53'-1 3/4", 15° SKEW
 U.S.F.L. ELEV. = 689.80, 20.34' LT., STA. 174+19.6
 D.S.F.L. ELEV. = 689.70, 71.66' LT., STA. 174+05.8

TRIPLE BOX CULVERT
 LT. STATION 174+25, 3 SPANS
 @ 5'-2" x 4'-0", 4'-0" x 4'-0" & 6'-6" x 4'-0"
 x 53'-1 3/4", 15° SKEW
 U.S.F.L. ELEV. = 690.00, 71.17' RT., STA. 174+44.1
 D.S.F.L. ELEV. = 689.90, 20.83' RT., STA. 174+30.6

STATION EQUATION:
 @ STATION 170+34.99 F.A.I. 57 =
 @ STATION 26+81.74 C.H. 16

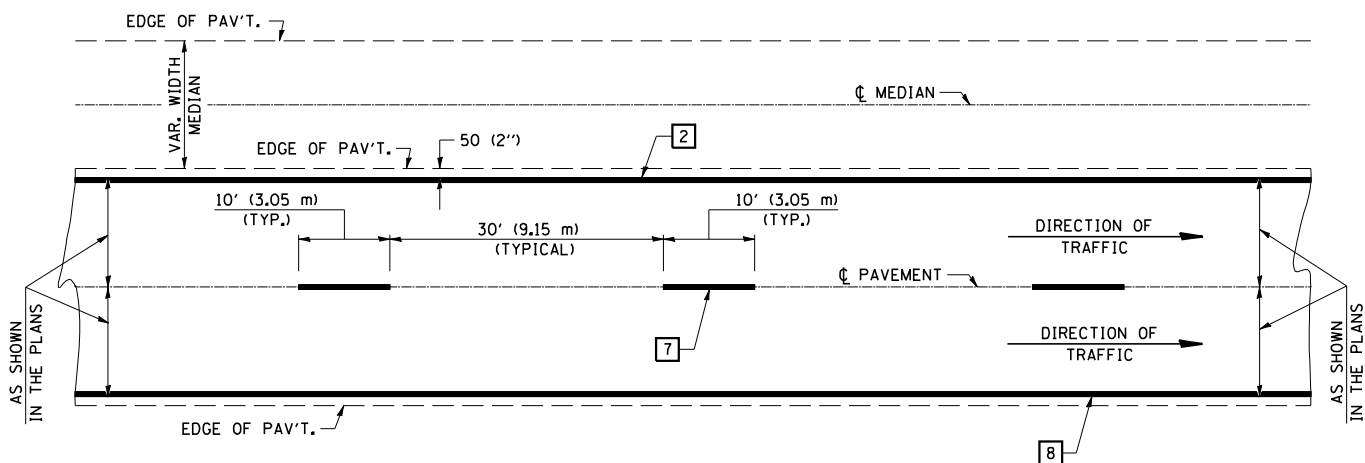
SPECIAL BRIDGE DESIGN
 4 SPANS CONTINUOUS ROLLED
 STEEL BEAMS, SPANS
 56'-8", 98'-1", 98'-1", 57'-6", 24' ROADWAY
 WITH 2 SAFETY WALKS @ 2'-10"
 STATION 26+81.74, 46°-13'-05" SKEW

PIPE CULVERT, TYPE 2A
 36" x 112'-0"
 U.S.F.L. 55' RT., STA. 28+58, ELEV. = 692.85
 D.S.F.L. 22' LT., STA. 27+77, ELEV. = 692.30
 A.R. STATION 28+00 (C.H. 16)
 47°-09'-12" SKEW

TRIPLE BOX CULVERT
 STATION 22+80 (C.H. 16), 3 SPANS
 @ 5'-2" x 4'-0", 6'-6" x 4'-0" & 5'-2" x 4'-0"
 x 44'-0", 15° SKEW

FILE NAME = c:\projects\d505707 (v8)\70677details.dgn	USER NAME = collierbw	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET	F.A.I. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 200.0000' / IN.	DRAWN - ---	REVISED - ---			57	05_PATCHING_2008-3	CHAMPAIGN	10	8
PLOT DATE = 10/22/2007	CHECKED - ---	REVISED - ---	SCALE: ----- SHEET NO. -- OF -- SHEETS STA. 180±00 TO STA. 160±00		CONTRACT NO. 10677		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			
	DATE - -----	REVISED - ---								

CENTERLINE INTERSTATE OR MULTI-LANE TWO WAY DIVIDED HIGHWAY

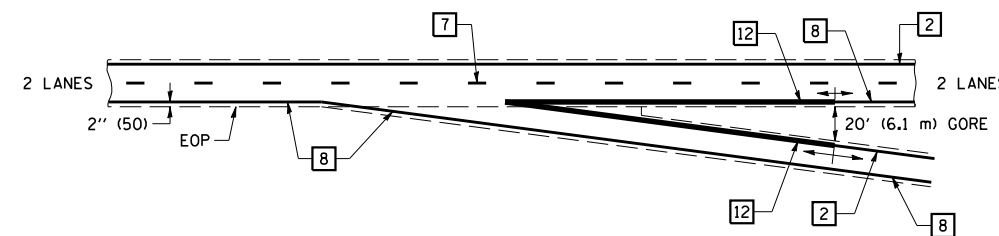


NOTE: PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

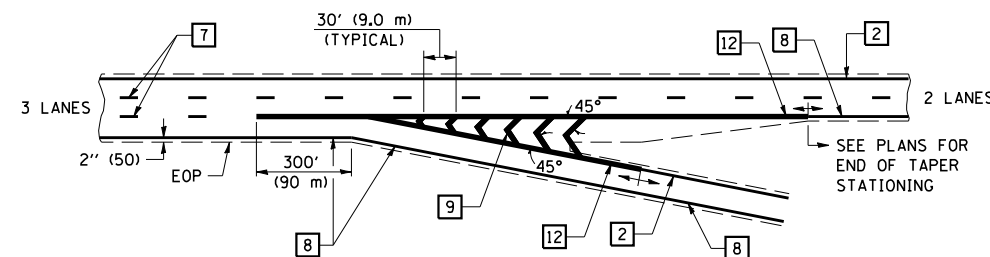
NOTE: SEE ARTICLES 780.04 & 781.03 FOR LOCATION OF STRIPES AND MARKERS RELATIVE TO EDGES OR JOINTS.

FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO STANDARD 781001.

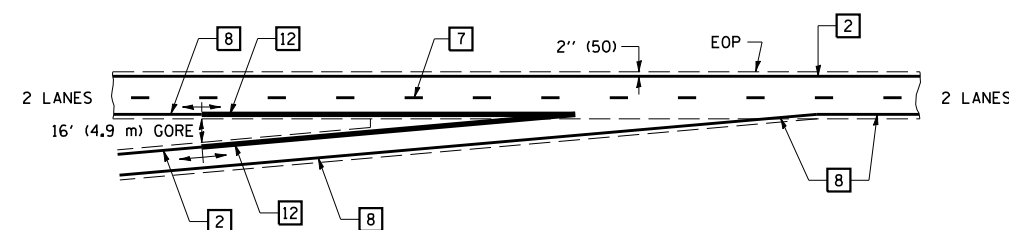
TYPICAL EXIT RAMP TERMINAL



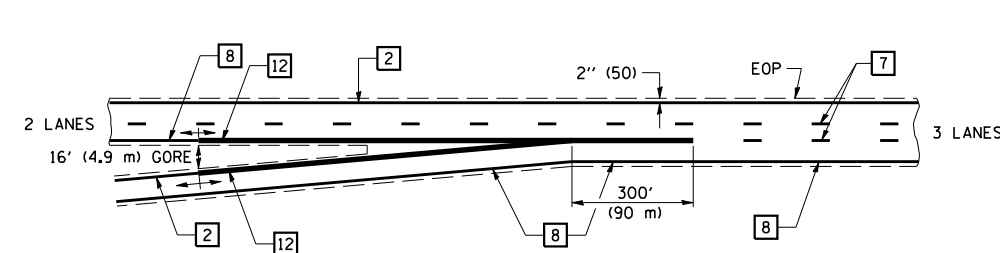
EXIT RAMP TERMINAL with EXCLUSIVE (auxiliary) LANE



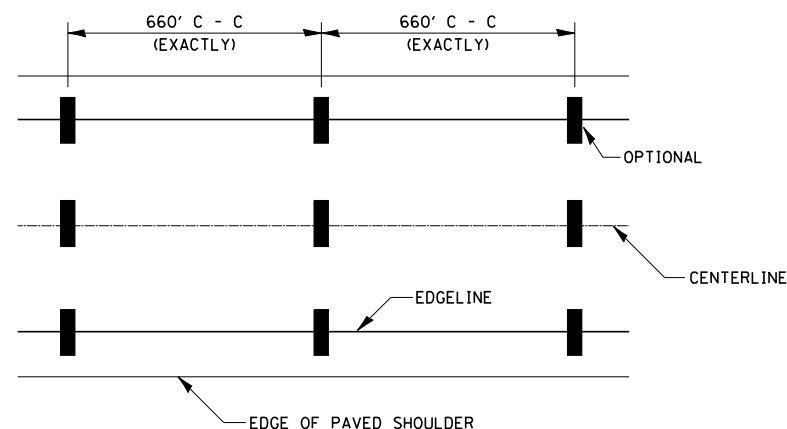
TYPICAL ENTRANCE RAMP TERMINAL



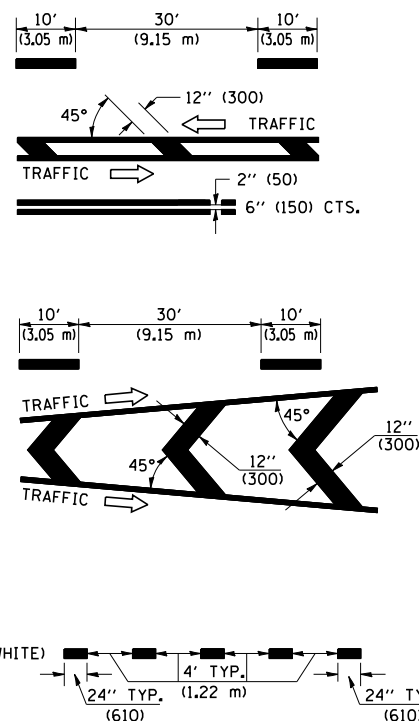
ENTRANCE RAMP TERMINAL with EXCLUSIVE LANE



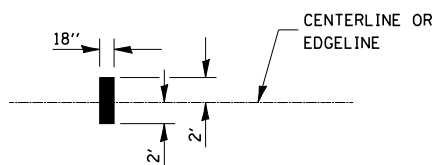
TYPICAL PAVEMENT MARKING LEGEND



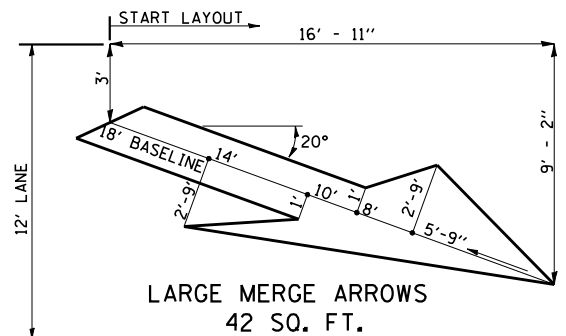
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 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 = collierbw	DESIGNED - ---	REVISED - 11/06
ct:\projects\d505707 (v8)\70677details.dgn		DRAWN - ---	REVISED - ---
		CHECKED - ---	REVISED - ---
		DATE - ---	REVISED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING (INTERSTATE & MULTI-LANE APPLICATIONS)

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

DISTRICT 5 DETAIL NO. 7800BBBB

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
51	05_PATCHING_2008-3	CHAMPAIGN	10	10
CONTRACT NO. 10677			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	