

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 90914	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 711 ( ILL 119)  
SECTION 116RS-3  
VERMILION COUNTY  
RESURFACING (3P)  
ILL I TO INDIANA STATE LINE

C-95-005-98

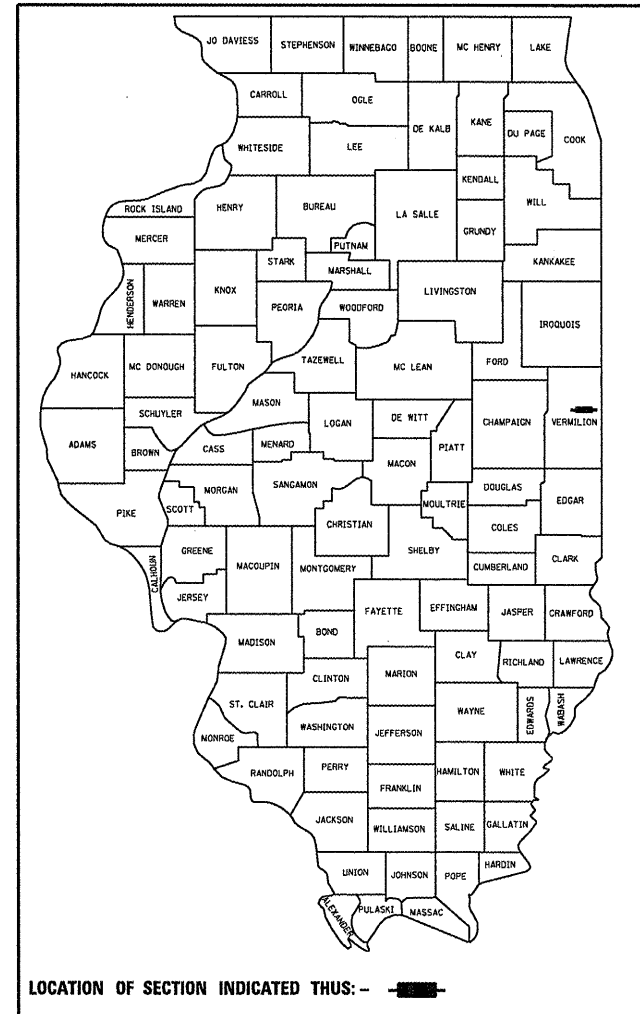
PROJECT ESP-0711(010)

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

HMA RESURFACING ( 2.25'' )  
ON STRUCTURES

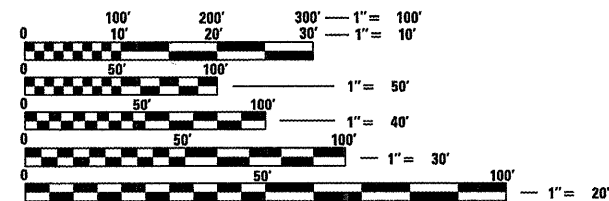
- S. N. 092-8034
- S. N. 092-8309
- S. N. 092-8310
- S. N. 092-8311
- S. N. 092-8330

D-95-005-98



CURRENT ADT		
ILLINOIS 1 TO ALVIN	1,700	(2007)
ALVIN TO BOWMAN AVE.	2,300	(2007)
BOWMAN AVE. TO INDIANA LINE	1,000	(2007)

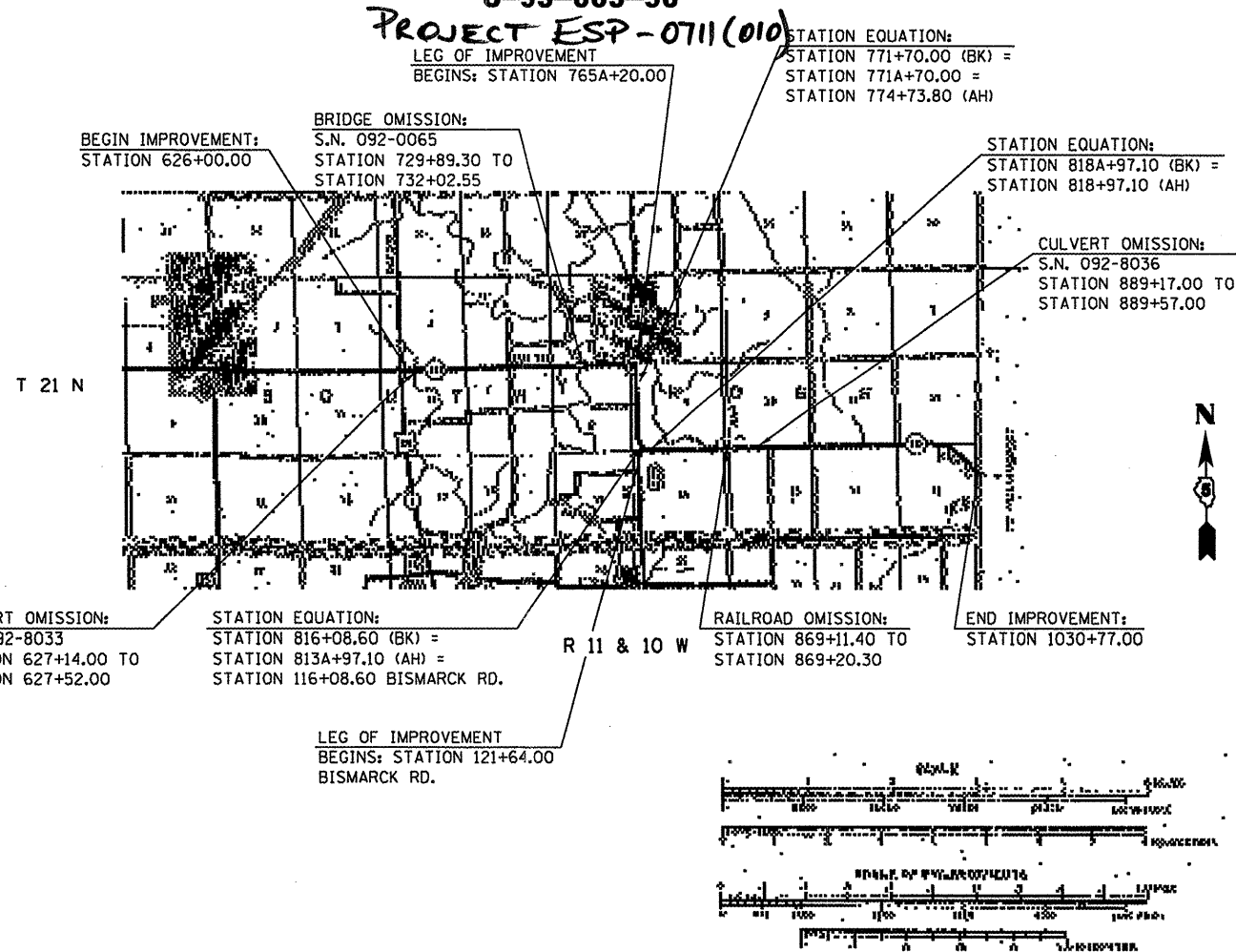
**DESIGN DESIGNATION**  
MINOR ARTERIAL



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 SOUTH ROSS TOWNSHIP

PROJECT ENGINEER: KEVIN TRAPP  
SQUAD LEADER: CHRIS GREESON  
DESIGNER: BILL MURPHY  
(217)465-4181  
CONTRACT NO. 90914



TOTAL LENGTH OF SECTION & PROJECT = 40,384.7 FEET = 7.649 MILES  
NET LENGTH OF SECTION & PROJECT = 40,084.55 FEET = 7.592 MILES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 1/29 20 09  
Joseph K. Gove  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 13, 2009  
Charles J. Ingersoll  
ENGINEER OF DESIGN AND ENVIRONMENT

March 13, 2009  
Christine M. Reed  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS
2	LIST OF HIGHWAY STANDARDS
3-4	GENERAL NOTES
5-8	SUMMARY OF QUANTITIES
9-12	EXISTING TYPICAL CROSS SECTIONS
13-16	PROPOSED TYPICAL CROSS SECTIONS
17-25	SCHEDULE OF QUANTITIES
26	HMA AND SURFACE REMOVAL RUNDOWN DETAILS
27	POROUS GRANULAR BACKFILL DETAILS
28	FEATHEREDGE RUNDOWN DETAIL
29-30	SIDEROADS & SIDESTREETS (RURAL) DETAILS
31-32	FIELD ENTRANCES (NONCOMMERCIAL RURAL) DETAILS
33	MAILBOX TURNOUT (RURAL) DETAILS
34-35	PRIVATE AND COMMERCIAL ENTRANCES DETAILS
36	HMA SURFACE REMOVING (COLD MILLING) DETAILS
37	CONCRETE MEDIAN, TYPE SM DETAILS
38	DETAILS OF SIGN POST BLOCKOUTS
39	DETAILS OF TRAFFIC CONTROL & PROTECTION DEVICES (ROAD & SIDEROAD/ STREET CLOSURES)
40-43	TYPICAL DETAILS OF PAVEMENT MARKING AND MARKERS (RURAL AND URBAN APPLICATIONS)
44	TYPICAL DETAILS OF RUMBLE STRIP (ADVANCE OF INTERSECTIONS)
45	SURVEY MONUMENT COVER ASSEMBLY DETAILS
46-51	CROSS SECTIONS FOR GUARDRAIL INSTALLATION AT S.N. 092-8311

## LIST OF STANDARDS

STANDARD NUMBER	DESCRIPTION OF STANDARD
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-02	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-08	STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701006-03	OFF- ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS $\geq$ 45 MPH
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS $\geq$ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS- DAY ONLY
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

FILE NAME =	USER NAME = piersonbr	DESIGNED - BJM	REVISED -
c:\pw\work\PW1001\PIERSONBR\0107117\90	4details.dgn	DRAWN - BBP	REVISED -
	PLOT SCALE = 1/8" = 1' IN.	CHECKED - BJM	REVISED -
	PLOT DATE = 1/29/2009	DATE - 04/03/08	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS /LIST OF STANDARDS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	2
CONTRACT NO. 90914				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				

# GENERAL NOTES

## SHEET 1 OF 2

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.-107.12

THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE LOCAL RAILROAD CONTACT IS:

Mr. Bob Garner  
P.O. Box 119  
Iroquois, IL 60945  
815/486-7260 IL Office  
317-852-5290 IN Office

SPECIAL ATTENTION IS CALLED TO ARTICLE 107.12 REGARDING RAILROAD FLAGGERS. THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE RAILROAD CONTACT PERSON FOR FLAGGERS IS:

Mr. Bob Garner  
P.O. Box 119  
Iroquois, IL 60945  
815/486-7260 IL Office  
317-852-5290 IN Office

G.N.-107.31

UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED. J.U.L.I.E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800)892-0123 OR 811.

G.N.-406

THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N.-406.05b

ALL LEVELING BINDER OR BINDER SHALL BE GIVEN A FOG COAT OF PRIME BEFORE THE SURFACE COURSE IS PLACED WHEN DIRECTED BY THE ENGINEER.

THE FOG COAT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER GALLON FOR BITUMINOUS MATERIAL (PRIME COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-406H

### MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Location(s):	IL 119	IL 119	IL 119
Mixture Use(s):	Partial Depth Patch and Leveling Binder	Full Depth Patch	Surface Course, Incidental, & HMA Shoulder
AC/PG:	PG 64-22	PG 64-22	PG 64-22
RAP %: (Max)**	25	25	15
Design Air Voids:	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50
Mixture Composition: (Gradation Mixture)	IL 9.5	IL 19.0	IL 9.5
Friction Aggregate:	Mix C	N/A	Mix C

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.-542

BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

G.N.-542D (SPECIAL)

THIS WORK SHALL CONSIST OF REPLACING THE EXISTING SIDEROAD CULVERTS AT LOCATIONS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. PRIOR TO REPLACING THE CULVERT THE DITCH SHALL BE CLEANED FOR 25 FEET EACH WAY FROM THE ENDS OF THE CULVERT AS DIRECTED BY THE ENGINEER.

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR PIPE CULVERTS OF THE TYPE AND SIZE SPECIFIED AND SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY TO COMPLETE THE WORK AS HEREIN SPECIFIED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

FILE NAME :	USER NAME = p1ersonbr	DESIGNED - BJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cd:\pw\work\PIWIDOT\PIERSONBR\0107117\9014\deta1.s.dgn	DRAWN - BBP	REVISED -				711	116RS-3	VERMILION	51	3	
PLOT SCALE = 40.0000' / IN.	CHECKED - BJM	REVISED -				<i>Sheet 1 of 2</i>					
PLOT DATE = 1/29/2009	DATE - 12/20/07	REVISED -				CONTRACT NO. 90914					
				SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

## GENERAL NOTES

### SHEET 2 OF 2

G.N.-667

THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR SETTING THESE MARKERS.

G.N.-703A

SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

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.

#### COMMITMENTS

NO COMMITMENTS

FILE NAME : <small>c:\p\work\PIWIDOT\PIERSONBR\0107117\5014details.dgn</small>	USER NAME : piersonbr	DESIGNED - BJM DRAWN - BBP CHECKED - BJM DATE - 12/20/07	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P. RTE. 711	SECTION 116RS-3	COUNTY VERMILION	TOTAL SHEETS 51	SHEET NO. 4
				SCALE: NONE    SHEET NO.    OF    SHEETS    STA.    TO STA.		<i>Sheet 2 of 2</i>		CONTRACT NO. 90914		
						<small>FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT</small>				



# SUMMARY OF QUANTITIES

SHEET 2 OF 4

LOCATION OF WORK:                   FAP 711  
   ILL119  
   RURAL  
   STA. 626+00  
   TO  
   STA. 1030+77

FUNDING BREAKOUT:                   100% FED

CONSTRUCTION TYPE CODE:           1000

CODE NO	ITEM	UNIT	TOTAL QUANTITY
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTTJOINT	SQ YD	1,057.0
40600990	TEMPORARY RAMP	SQ YD	167.0
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	10,193.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	356.0
40800030	AGGREGATE (PRIME COAT)	TON	5.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	284.0
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	3,947.0
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	33.0
44002020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	40.0
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	67.0
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	22.0
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	444.0
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	805.0
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	508.0
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	984.0
48101200	AGGREGATE SHOULDERS, TYPE B	TON	3,222.0
48203100	HOT-MIX ASPHALT SHOULDERS	TON	206.0
50105210	REMOVE EXISTING CULVERTS	FOOT	104.0

# SUMMARY OF QUANTITIES

SHEET 3 OF 4

LOCATION OF WORK: FAP 711  
ILL119  
RURAL  
STA. 626+00  
TO  
STA. 1030+77

FUNDING BREAKOUT: 100% FED

CONSTRUCTION TYPE CODE: 1000

CODE NO	ITEM	UNIT	TOTAL QUANTITY
54207165	PIPE CULVERTS, TYPE 1, REINFORCED CONCRETE - ELLIPTICAL, EQUIVALENT ROUND-SIZE 30"	FOOT	34.0
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4.0
54214515	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 30"	EACH	2.0
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	70.0
60622354	CONCRETE MEDIAN, TYPE SM-6 (DOWELLED)	SQ FT	140.0
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	100.0
* 63000005	STEEL PLATE BEAM GUARD RAIL, TYPE B	FOOT	100.0
* 63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	50.0
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4.0
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4.0
67100100	MOBILIZATION	L SUM	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	9,835.0
70300210	TEMPORARY PAVEMENT MARKING-LETTERS AND SYMBOLS	SQ FT	123.0
70300220	TEMPORARY PAVEMENT MARKING- LINE 4"	FOOT	102,541.0
70300240	TEMPORARY PAVEMENT MARKING- LINE 6"	FOOT	133.0
70300260	TEMPORARY PAVEMENT MARKING- LINE 12"	FOOT	79.0

FILE NAME :	USER NAME : piersonbr	DESIGNED - CRG	REVISED -
c:\p\work\PIWIDOT\PIERSONBR\d0107117\9014\details.dgn		DRAWN - BBP	REVISED -
	PLOT SCALE = 40,0000 ' / IN.	CHECKED - CRG	REVISED -
	PLOT DATE = 1/29/2009	DATE = 01/08/09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NONE SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	7
CONTRACT NO. 90914				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# SUMMARY OF QUANTITIES

SHEET 4 OF 4

LOCATION OF WORK: FAP 711  
ILL119  
RURAL  
STA. 626+00  
TO  
STA. 1030+77

FUNDING BREAKOUT: 100% FED

CONSTRUCTION TYPE CODE: 1000

CODE NO	ITEM	UNIT	TOTAL QUANTITY
70300280	TEMPORARY PAVEMENT MARKING- LINE 24"	FOOT	164.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,551.0
* 78000100	THERMOPLASTIC PAVEMENT MARKING-LETTERS AND SYMBOLS	SQ FT	123.0
* 78000200	THERMOPLASTIC PAVEMENT MARKING- LINE 4"	FOOT	1,400.0
* 78000400	THERMOPLASTIC PAVEMENT MARKING- LINE 6"	FOOT	133.0
* 78000600	THERMOPLASTIC PAVEMENT MARKING- LINE 12"	FOOT	79.0
* 78000650	THERMOPLASTIC PAVEMENT MARKING- LINE 24"	FOOT	164.0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	101,141.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	557.0
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	6.0
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	85.0
X4032500	BITUMINOUS MATERIALS (COVER AND SEALCOATS), SPECIAL	GALLON	7,792.0
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1.0
Z0055300	RUMBLE STRIP	EACH	4.0
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	4.0

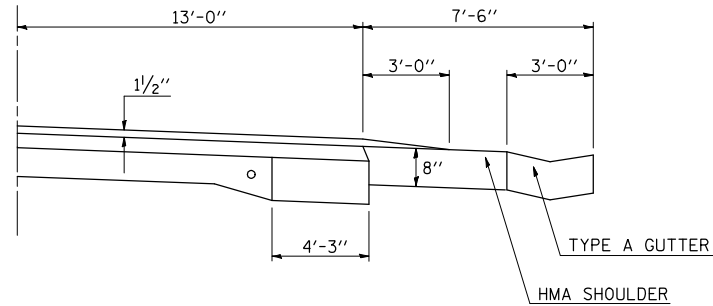
\* SPECIALTY ITEM

FILE NAME : c:\pwork\pwidth\PIERSONBR\08107117\9014details.dgn	USER NAME : ppersonbr	DESIGNED - CRG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - BBP	REVISED -			711	116RS-3	VERMILION	51	8	
		CHECKED - CRG	REVISED -			CONTRACT NO. 90914					
		DATE - 01/08/09	REVISED -			SCALE: NONE	SHEET NO. 4 OF 4 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT



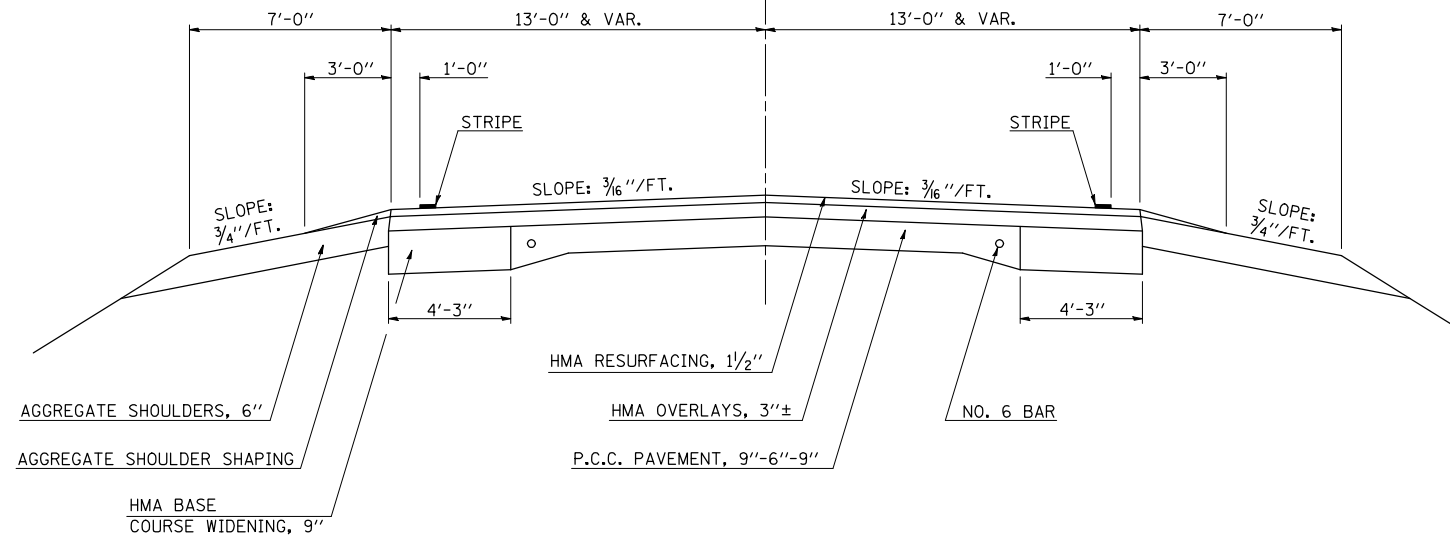
**DETAIL**

LT. STA. 716+00.00 TO LT. STA. 723+30.00  
 RT. STA. 716+85.00 TO RT. STA. 719+50.00  
 LT. STA. 740+40.00 TO LT. STA. 752+20.00  
 RT. STA. 740+80.00 TO RT. STA. 754+16.00



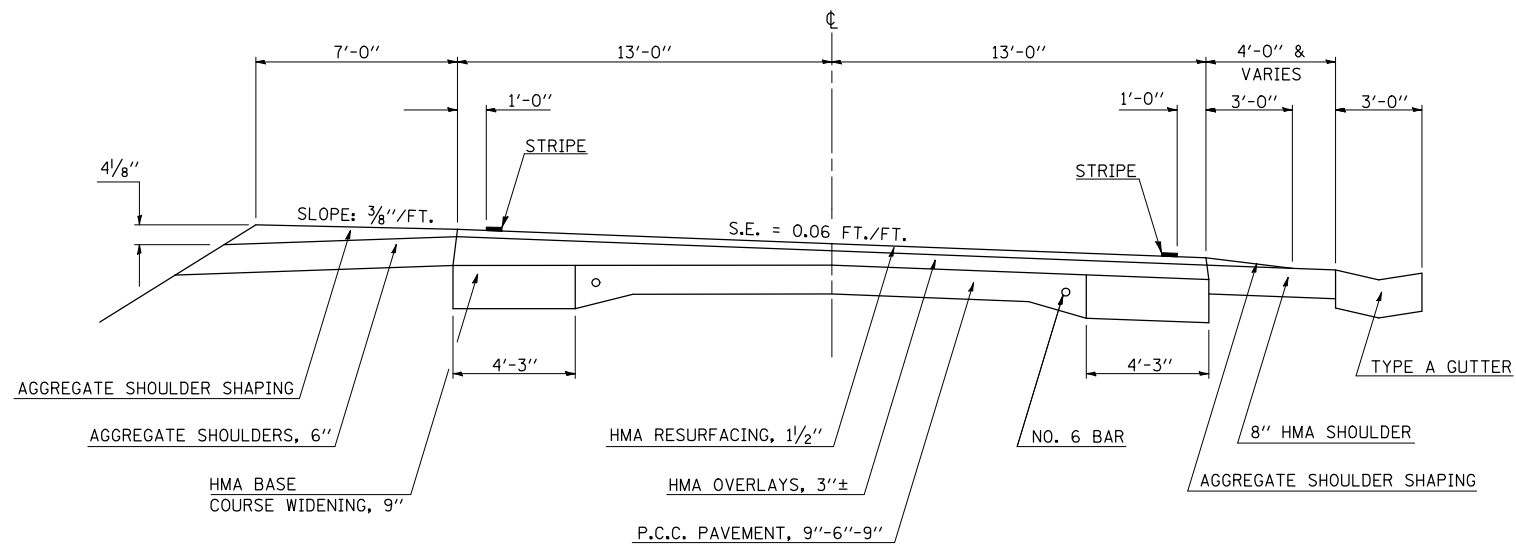
**(A) EXISTING TYPICAL CROSS SECTION**

STATION	TO	STATION
626+00.00		729+89.30 ( BRIDGE OMISSION)
732+02.55		754+16.00
776+27.00		816+08.60 ( BK)
813A+97.10 ( AH)		814A+11.10
820+50.00		869+11.40 ( RAILROAD OMISSION)
869+20.30		1000+39.00
1014+94.00		1024+57.00
116+08.60		121+64.00
( Bismarck Rd. )		( Bismarck Rd. )



**(B) EXISTING TYPICAL CROSS SECTION**

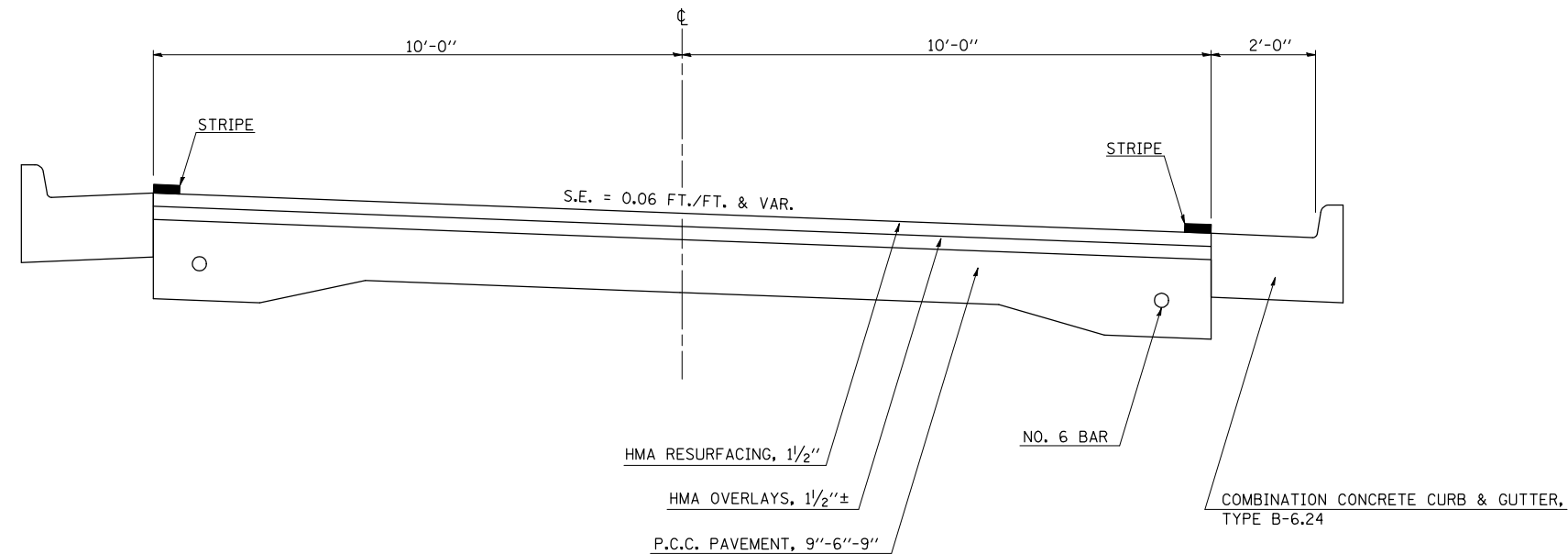
STATION	TO	STATION
754+16.00		760+00.00



FILE NAME =	USER NAME = piersonbr	DESIGNED - BJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING TYPICAL CROSS SECTIONS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PIWIDOT\PIERSONBR\d0107117\90914details.dgn		DRAWN - BBP	REVISED -		711	116RS-3	VERMILION	51	9				
PLOT SCALE = 40.0000' / IN.		CHECKED - BJM	REVISED -		SCALE: NONE    SHEET NO.    OF    SHEETS    STA.    TO STA.				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 90914		
PLOT DATE = 1/29/2009		DATE - 11/28/07	REVISED -										

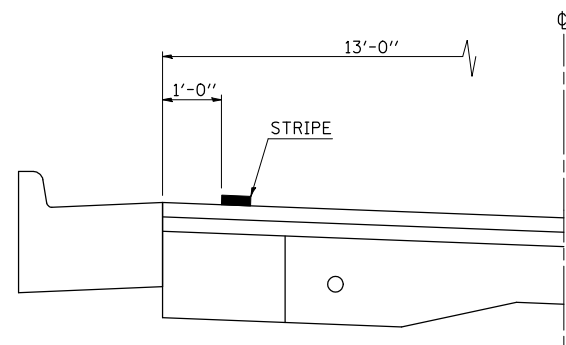
**C EXISTING TYPICAL CROSS SECTION**

STATION 760+00.00 TO STATION 767+60.00



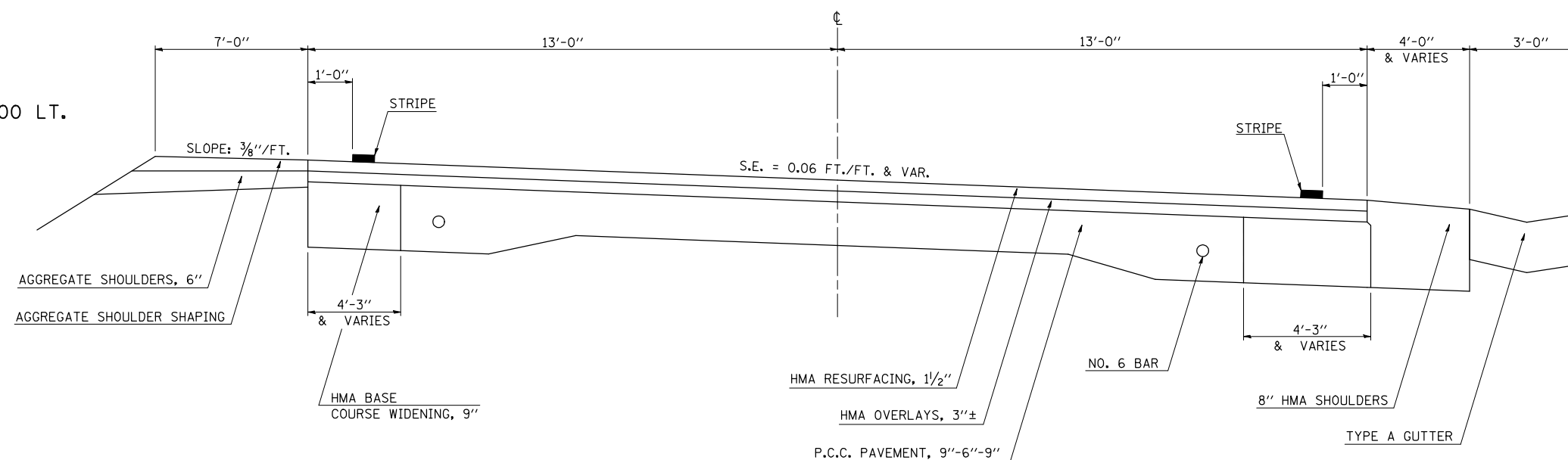
**D EXISTING TYPICAL CROSS SECTION**

STATION 767+60.00 TO STATION 771+70.00 (BK.)  
774+73.80 (AH.) TO STATION 776+27.00



**DETAIL**

STA. 767+60.00 LT. TO STA. 769+25.00 LT.



FILE NAME =	USER NAME = ppersonbr	DESIGNED - BJM	REVISED -
ct:\pw\work\PIWIDOT\PIERSONBR\d0107117\90914details.dgn		DRAWN - BBP	REVISED -
		CHECKED - BJM	REVISED -
		DATE - 11/28/07	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

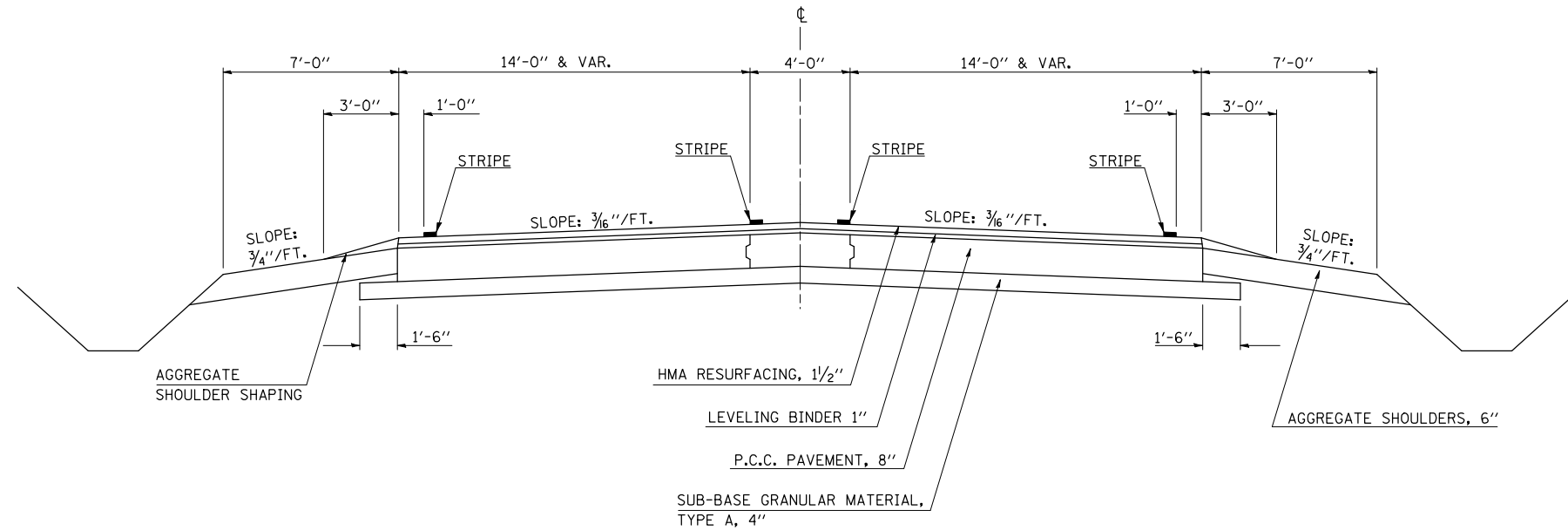
**EXISTING TYPICAL CROSS SECTIONS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90914	

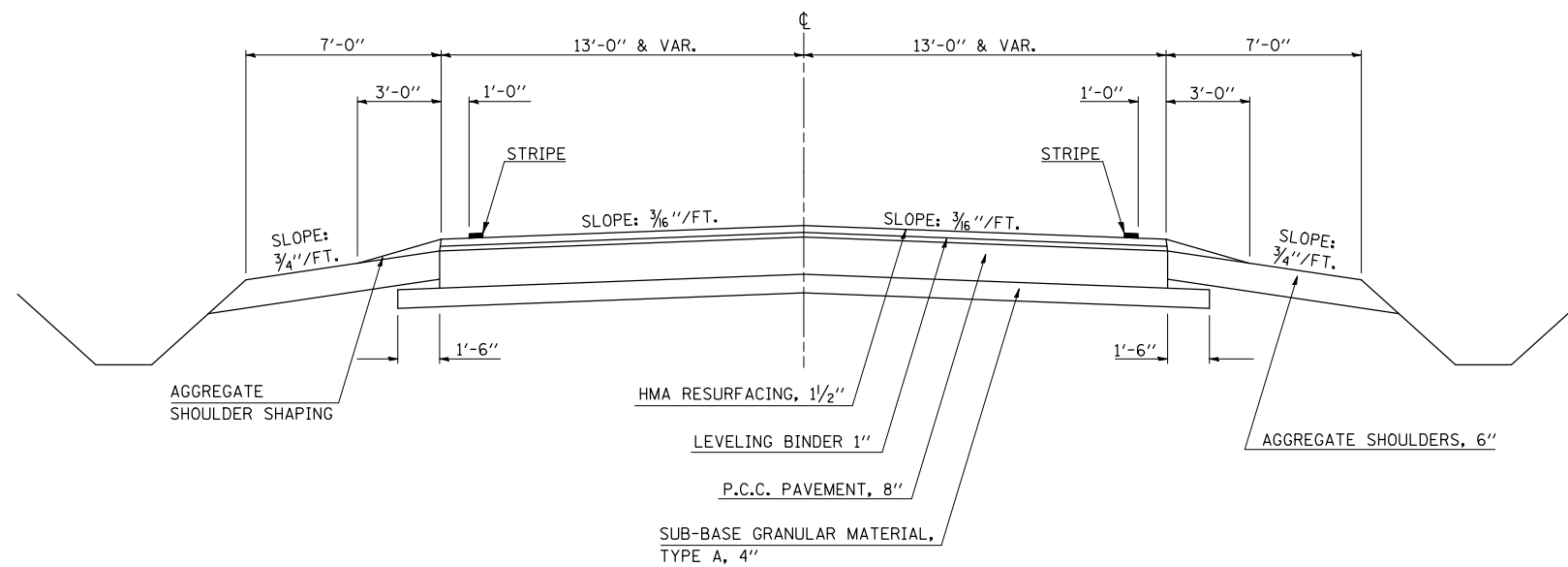
### E EXISTING TYPICAL CROSS SECTION

STATION TO STATION  
814A+11.10 TO 815A+30.10



### F EXISTING TYPICAL CROSS SECTION

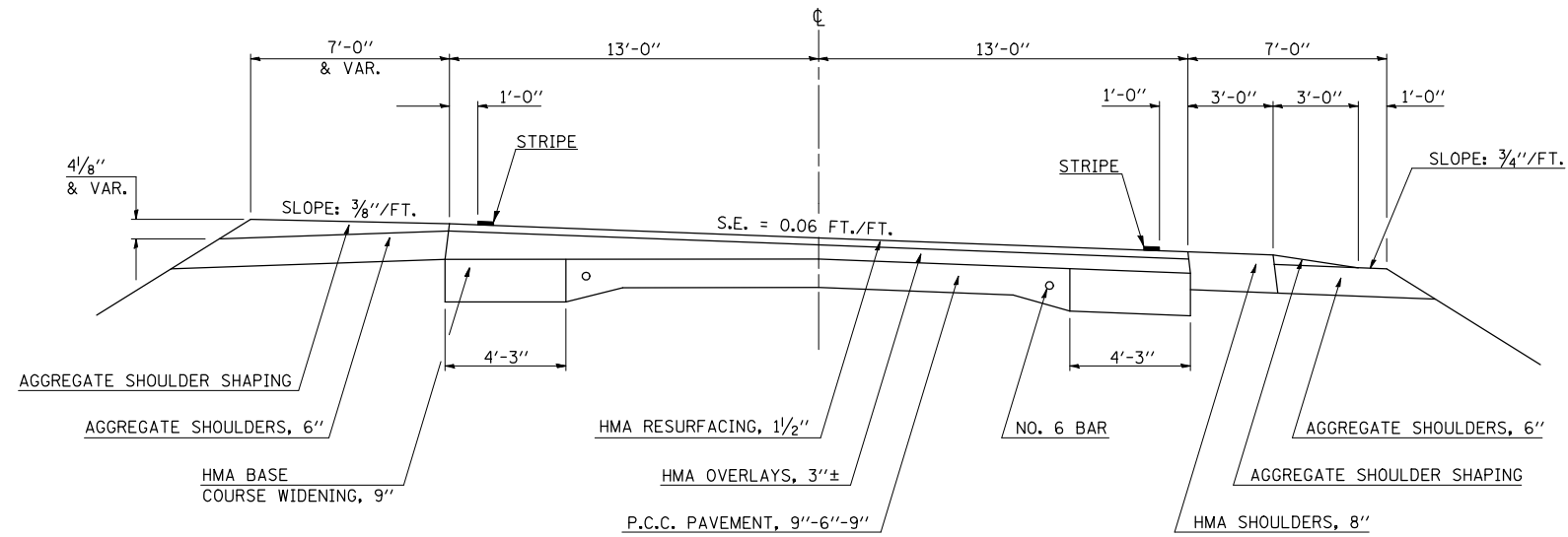
STATION TO STATION  
815A+30.10 TO 818A+97.10 (BK)  
818+97.10 (AH) TO 820+50.00



FILE NAME =	USER NAME = ppersonbr	DESIGNED - BJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING TYPICAL CROSS SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct\pwork\pwidot\PIERSONBR\d0107117\90914details.dgn		DRAWN - BBP	REVISED -			711	116RS-3	VERMILION	51	11	
PLOT SCALE = 40.0000' / IN.		CHECKED - BJM	REVISED -			CONTRACT NO. 90914					
PLOT DATE = 1/29/2009		DATE - 11/28/07	REVISED -			SCALE: NONE	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.

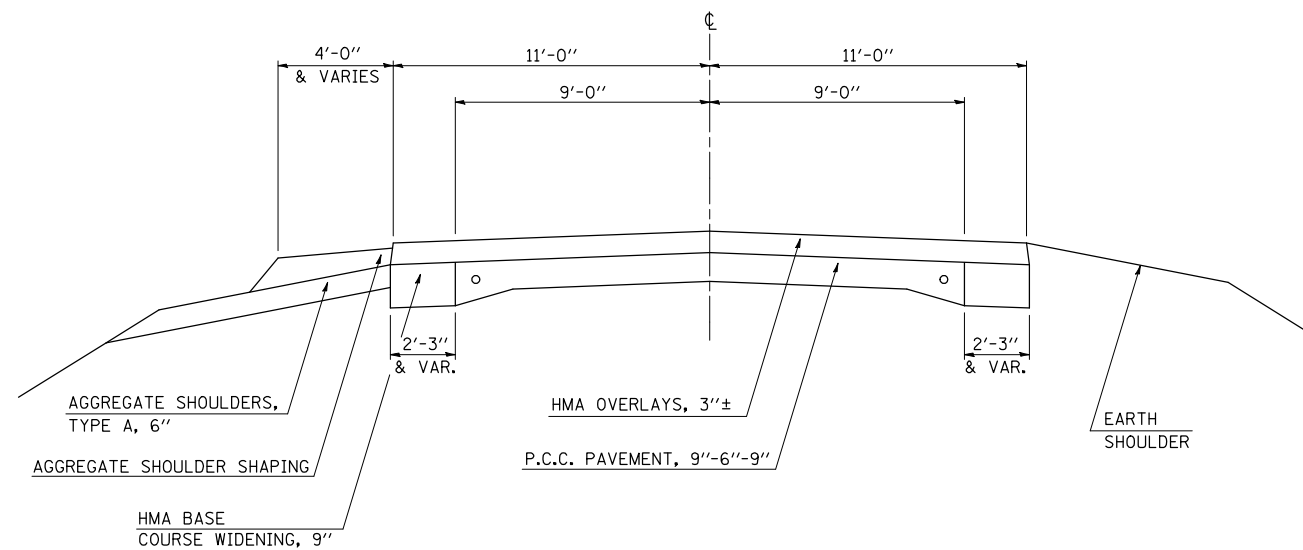
### G EXISTING TYPICAL CROSS SECTION

STATION TO STATION  
 1000+39.00 TO 1014+94.00  
 1024+57.00 TO 1030+77.00



### H EXISTING TYPICAL CROSS SECTION

STATION TO STATION  
 765A+20.00 TO 771A+70.00



FILE NAME =	USER NAME = ppersonbr	DESIGNED - BJM	REVISED -
ct\pwork\pwork\PIERSONBR\d0107117\90914\details.dgn		DRAWN - BBP	REVISED -
		CHECKED - BJM	REVISED -
		DATE - 11/28/07	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

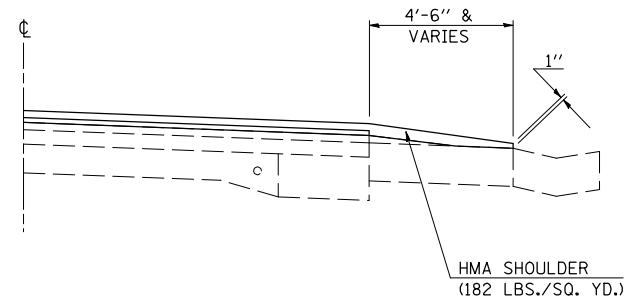
EXISTING TYPICAL CROSS SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	12
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90914	

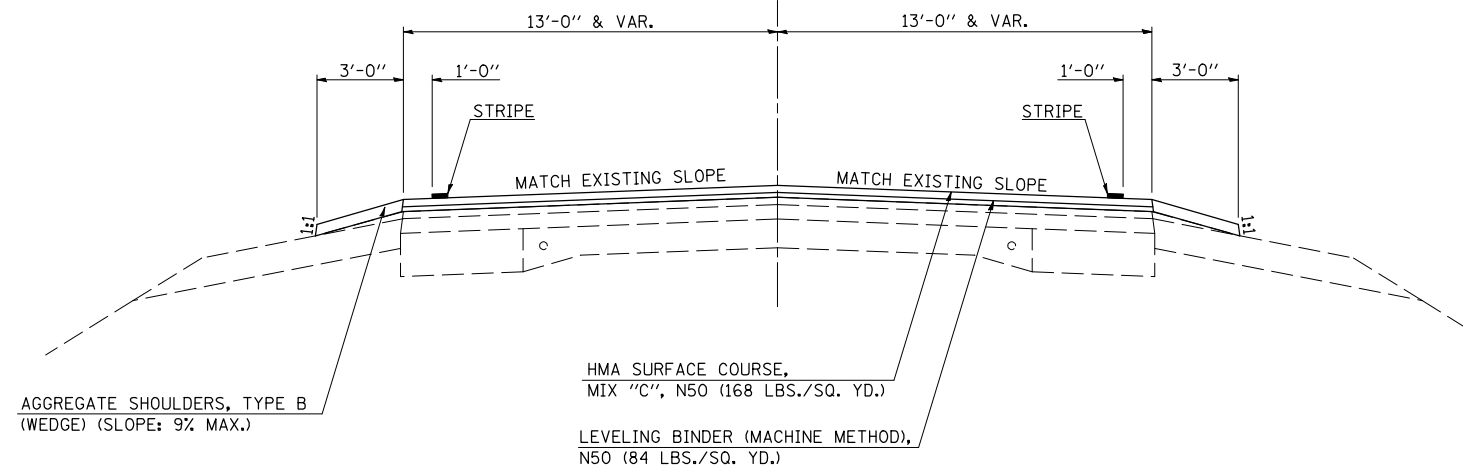
**DETAIL**

LT. STA. 716+00.00 TO LT. STA. 723+30.00  
 RT. STA. 716+85.00 TO RT. STA. 719+50.00  
 LT. STA. 740+40.00 TO LT. STA. 752+20.00  
 RT. STA. 740+80.00 TO RT. STA. 754+16.00



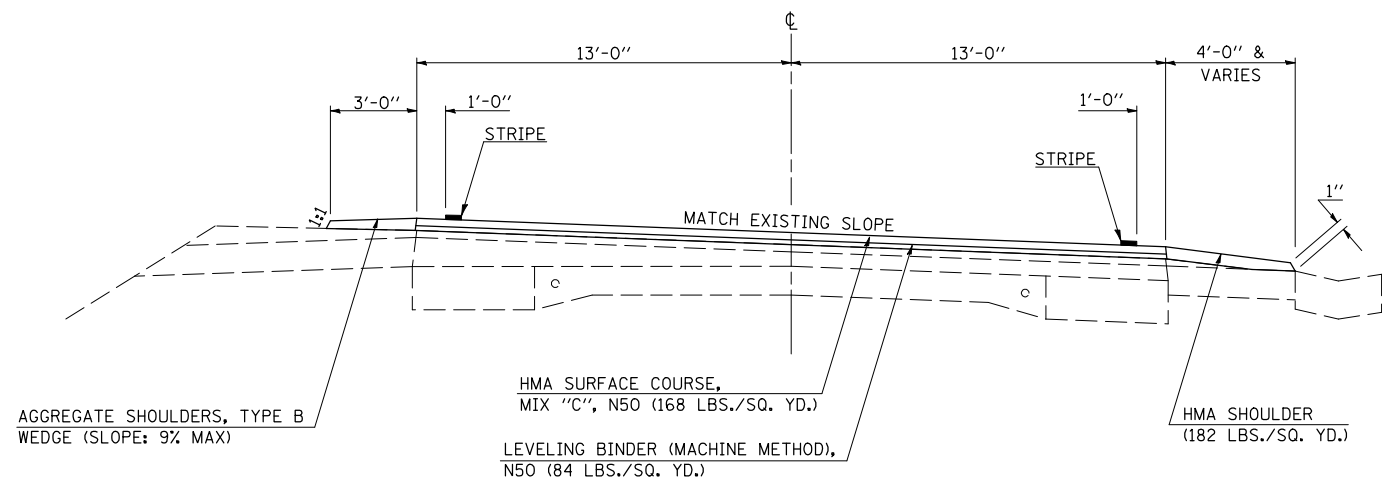
**1 PROPOSED TYPICAL CROSS SECTION**

STATION	TO	STATION
626+00.00		627+14.00 (CULVERT OMISSION) ①
① 627+52.00		729+89.30 (BRIDGE OMISSION) ①
① 732+02.55		754+16.00 ②
④ 776+27.00		816+08.60 (BK) ①
① 813A+97.10 (AH)		814A+11.10 ⑤
⑥ 820+50.00		869+11.40 (RAILROAD OMISSION) ①
① 869+20.30		889+17.00 (CULVERT OMISSION) ①
① 889+57.00		1000+39.00 ⑦
⑦ 1014+94.00		1024+57.00 ⑦
① 116+08.60 (Bismarck Rd.)		121+64.00 (Bismarck Rd.)



**2 PROPOSED TYPICAL CROSS SECTION**

STATION	TO	STATION
① 754+16.00		760+00.00 ③



FILE NAME =	USER NAME = ppersonbr	DESIGNED - BJM	REVISED -
ct:\pw\work\PIWIDOT\PIERSONBR\d0107117\90514details.dgn		DRAWN - BBP	REVISED -
		CHECKED - BJM	REVISED -
		DATE - 11/28/07	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

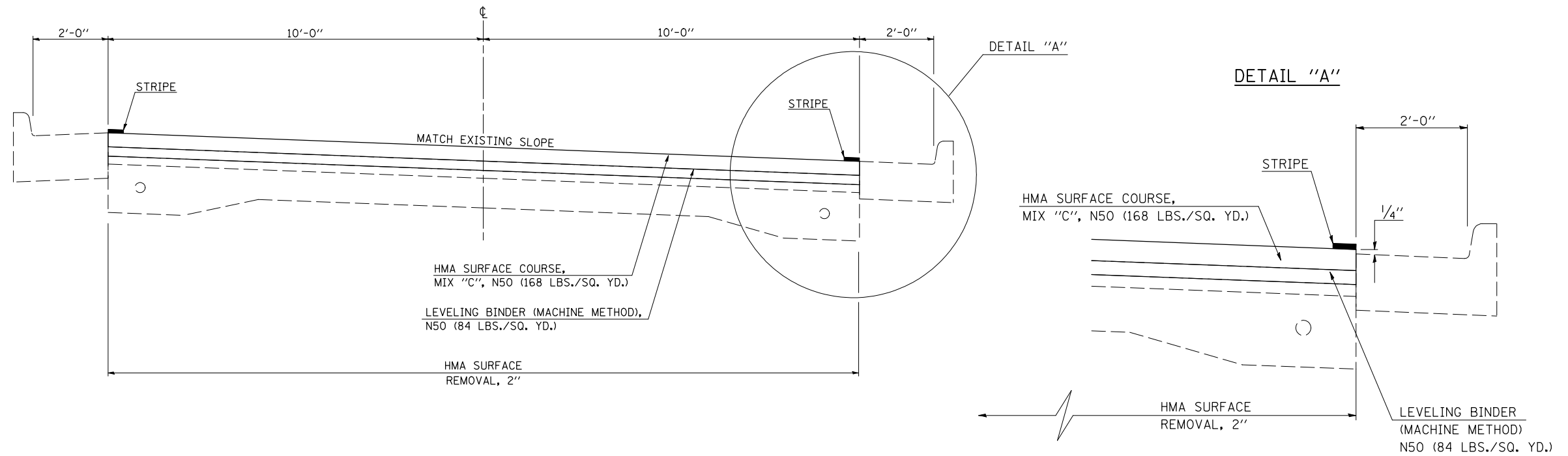
**PROPOSED TYPICAL CROSS SECTIONS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	13
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90914	

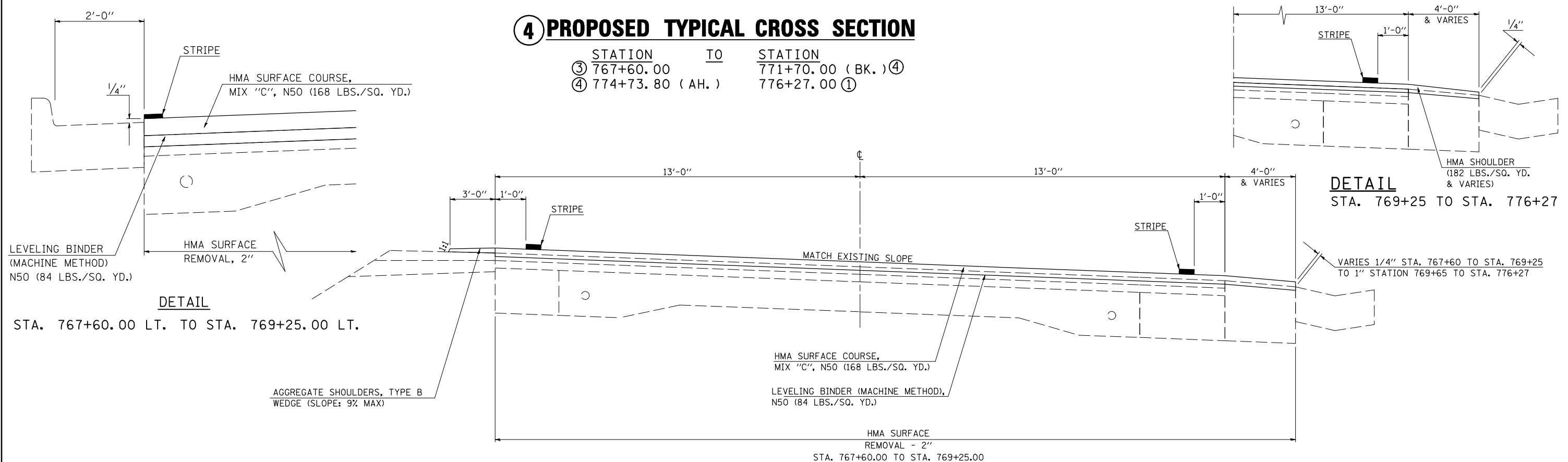
### 3 PROPOSED TYPICAL CROSS SECTION

STATION ② 760+00.00 TO STATION 767+60.00 ④



### 4 PROPOSED TYPICAL CROSS SECTION

STATION ③ 767+60.00 TO STATION 771+70.00 (BK.) ④  
 ④ 774+73.80 (AH.) 776+27.00 ①



FILE NAME =	USER NAME = piersonbr	DESIGNED - BJM	REVISED -
ct:\pw\work\PIWIDOT\PIERSONBR\d0107117\90914\details.dgn		DRAWN - BBP	REVISED -
		CHECKED - BJM	REVISED -
		DATE - 11/28/07	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

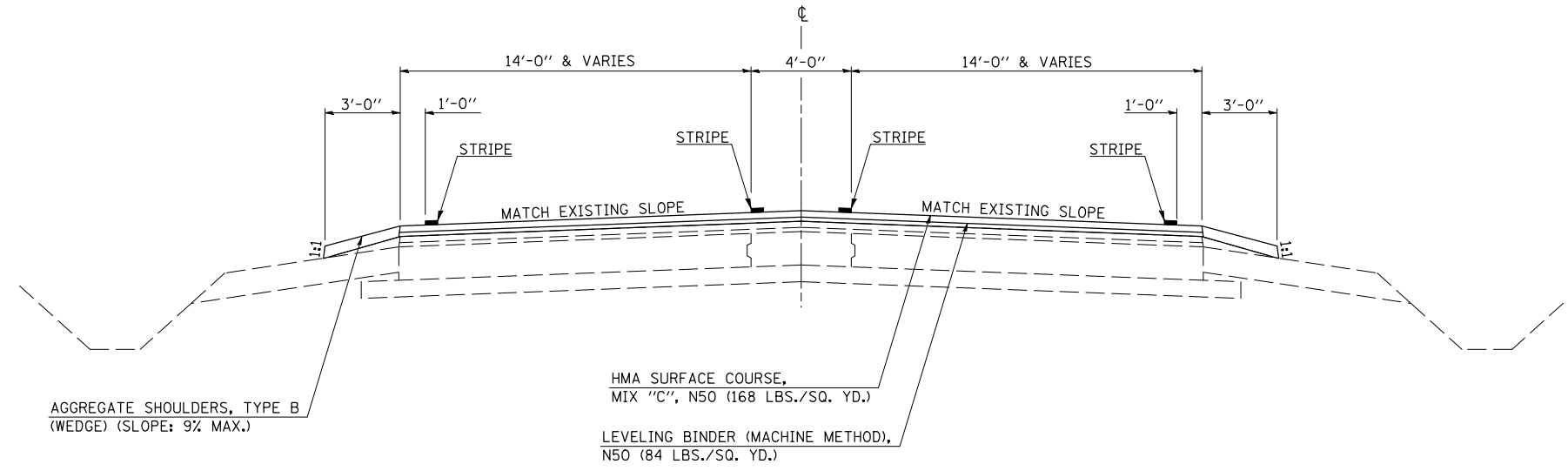
PROPOSED TYPICAL CROSS SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	14
CONTRACT NO. 90914				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

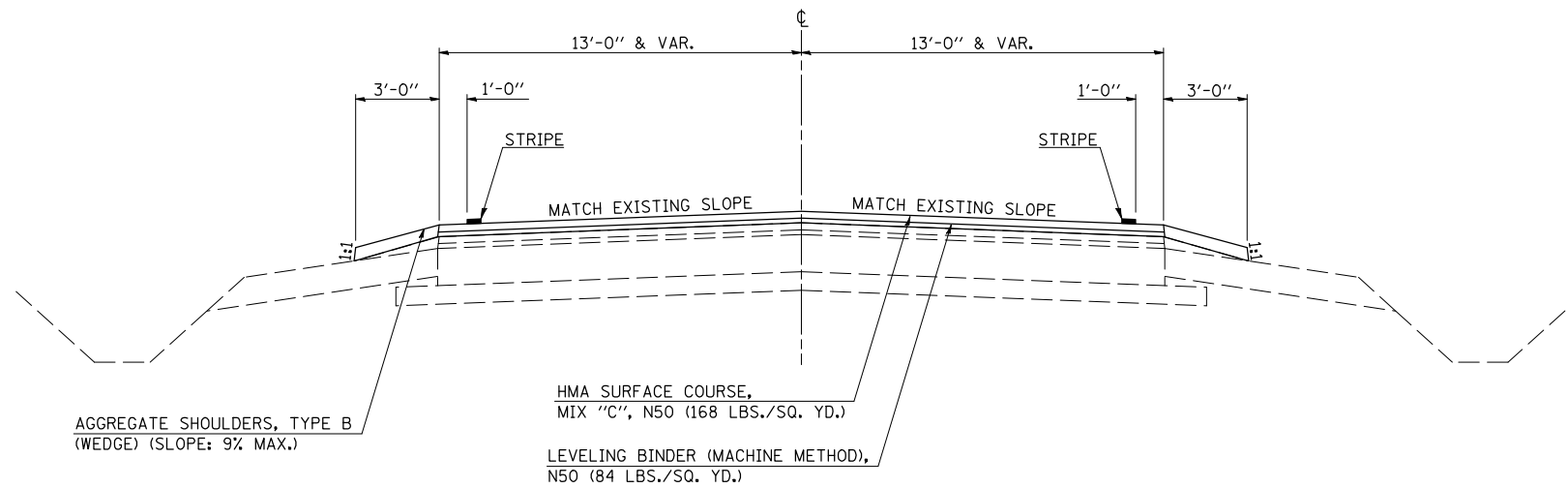
### 5 PROPOSED TYPICAL CROSS SECTION

STATION ① 814A+11.10 TO STATION 815A+30.10 ⑥



### 6 PROPOSED TYPICAL CROSS SECTION

STATION ⑤ 815A+30.10 TO STATION 818A+97.10 ⑥  
 ⑥ 818+97.10 (AH) TO STATION 820+50.00 ①



FILE NAME =	USER NAME = ppersonbr	DESIGNED - BJM	REVISED -
ct\pwork\pwork\PIERSONBR\d0107117\90914details.dgn		DRAWN - BBP	REVISED -
		CHECKED - BJM	REVISED -
		DATE - 11/28/07	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

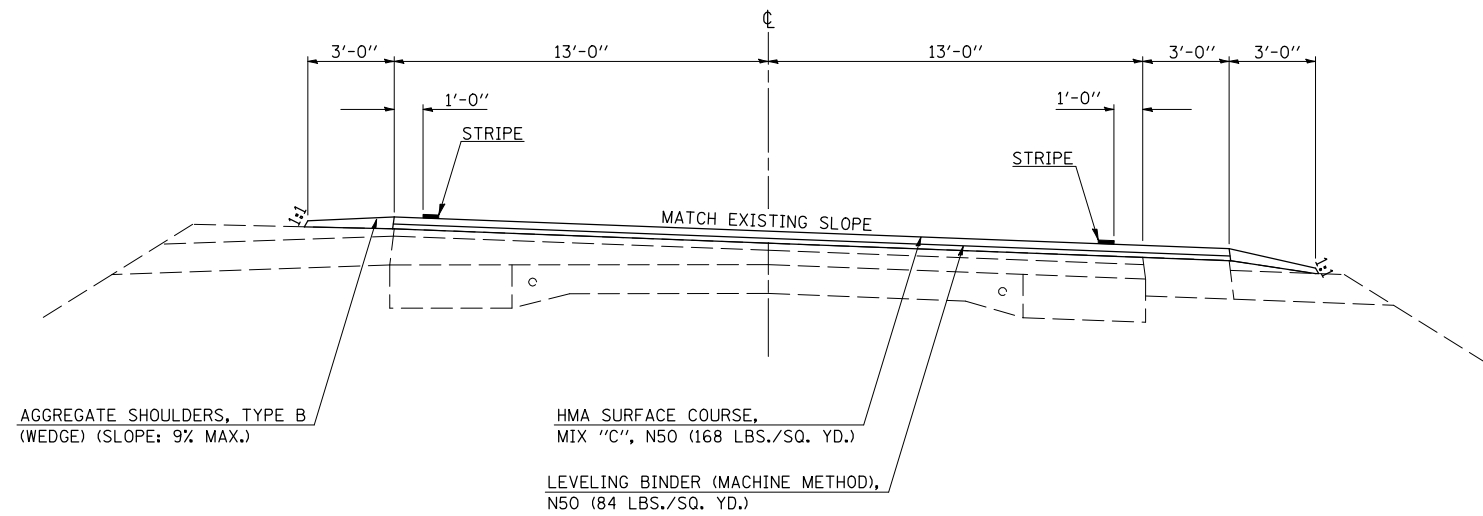
PROPOSED TYPICAL CROSS SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90914	

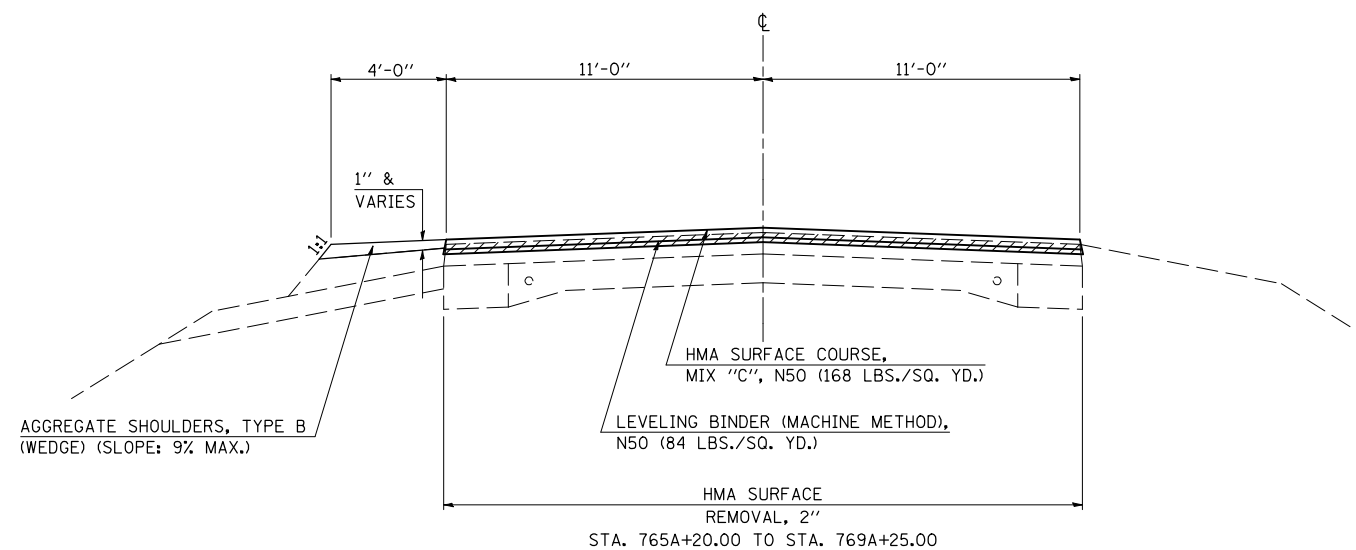
### 7 PROPOSED TYPICAL CROSS SECTION

STATION TO STATION  
 ① 1000+39.00 1014+94.00 ①  
 ① 1024+57.00 1030+77.00



### 8 PROPOSED TYPICAL CROSS SECTION

STATION TO STATION  
 765A+20.00 771A+70.00 ④



FILE NAME =	USER NAME = ptersonbr	DESIGNED - BJM	REVISED -
ct:\pw\work\PIWIDOT\PIERSONBR\d0107117\90514details.dgn		DRAWN - BBP	REVISED -
		CHECKED - BJM	REVISED -
		DATE - 11/28/07	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL CROSS SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	16
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90914	



# INCIDENTAL HMA SCHEDULES

SHEET 1 OF 9

\*SIDEROADS IN THIS LIST TO RECEIVE FEATHEREDGE RUNDOWNS

STATION	DESCRIPTION	INCIDENTAL AREA (SQ FT)	AVERAGE THICKNESS (INCH)	40800050	40800010	40800030	40600982	REMARKS
				INCIDENTAL HOT-MIX ASPHALT SURFACING (TON)	BIT MAT'L PRIME COAT (GALLONS)	AGGREGATE PRIME COAT (TON)	HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT (SQ YD)	
RT 627+03.60	F.E.	97.00	1.88	1.13	2.69	0.02		MATCH EXISTING
LT 627+16.00	F.E.	128.00	1.88	1.49	3.56	0.03		MATCH EXISTING
RT 627+62.40	F.E.	120.00	1.88	1.40	1.33	0.03		MATCH EXISTING
LT 627+70.00	F.E.	122.00	1.88	1.42	1.36	0.03		MATCH EXISTING
LT 646+11.00	F.E.	144.00	1.88	1.68	4.00	0.03		MATCH EXISTING
RT 646+18.00	F.E.	146.00	1.88	1.70	1.62	0.03		MATCH EXISTING
RT 659+55.70	F.E.	141.00	1.88	1.65	1.57	0.03		MATCH EXISTING
LT 659+55.70	F.E.	137.00	1.88	1.60	3.81	0.03		MATCH EXISTING
RT 673+07.00	F.E.	120.00	1.88	1.40	3.33	0.03		MATCH EXISTING
LT 673+33.50	P.E.	276.00	1.88	3.23	3.07	0.06	30.66	RESURFACE TO ROW (40 FT)
RT 673+35.50	F.E.	120.00	1.88	1.40	1.33	0.03		MATCH EXISTING
RT 673+35.50	M.B.T.O.	375.00	1.88	4.39	4.17	0.08		MATCH EXISTING
RT 673+63.50	F.E.							NO WORK
RT 686+66.00	1650E	808.00	1.88	9.45	22.44	0.18		RESURFACE TO ROW (40 FT)
LT 686+66.00	1650E	640.00	1.88	7.49	7.11	0.14		RESURFACE TO ROW (40 FT)
RT 699+76.50	F.E.	140.00	1.88	1.63	1.56	0.03		MATCH EXISTING
LT 699+76.50	F.E.	137.00	1.88	1.60	1.52	0.03		MATCH EXISTING
RT 710+38.50	F.E.	134.00	1.88	1.56	1.49	0.03		MATCH EXISTING
RT 716+54.00	1728E	866.00	1.88	10.13	9.62	0.19		RESURFACE TO ROW (40 FT)
LT 716+54.00	F.E.							NO WORK
RT 717+26.00	F.E.							NO WORK
RT 721+96.70	P.E.	410.00	1.88	4.80	11.39	0.09		MATCH EXISTING
RT 727+92.40	F.E.	135.00	1.88	1.58	1.50	0.03		MATCH EXISTING
LT 728+00.00	F.E.	140.00	1.88	1.63	3.89	0.03		MATCH EXISTING
RT 733+76.50	F.E.	135.00	1.88	1.58	1.50	0.03		MATCH EXISTING
LT 736+71.00	P.E. & M.B.T.O.	662.00	1.88	7.74	18.39	0.15		MATCH EXISTING
RT 752+48.30	F.E.							NO WORK
LT 752+48.30	P.E.	435.00	1.88	5.09	4.83	0.10		MATCH EXISTING
RT 757+62.50	F.E.			0.00	0.00	0.00		NO WORK
RT 759+51.50	P.E.			0.00	0.00	0.00		NO WORK
LT 769+25.00	P.E. & M.B.T.O.	412.00	1.88	4.82	4.58	0.09		MATCH EXISTING
RT 775+90.40	F.E.							NO WORK
LT 785+16.00	F.E.	130.00	1.88	1.52	1.44	0.03		MATCH EXISTING
RT 789+56.00	2950N	604.00	1.88	7.07	6.71	0.13		RESURFACE TO ROW (40 FT)
LT 793+86.00	F.E.	142.00	1.88	1.66	3.94	0.03		MATCH EXISTING
RT 796+00.00	P.E.	400.00	1.88	4.68	4.44	0.09		MATCH EXISTING
LT 796+12.00	P.E. & M.B.T.O.	650.00	1.88	7.60	7.22	0.14		MATCH EXISTING
RT 804+34.00	P.E.	695.00	1.88	8.13	7.72	0.15	77.22	RESURFACE TO ROW (40 FT)
LT 804+34.00	M.B.T.O.	375.00	1.88	4.39	4.17	0.08		MATCH EXISTING
RT 805+50.50	P.E.	525.00	1.88	6.14	5.83	0.12		MATCH EXISTING
LT 805+50.50	M.B.T.O.	375.00	1.88	4.39	4.17	0.08		MATCH EXISTING
RT 813+24.00	P.E.	407.00	1.88	4.76	11.31	0.09		MATCH EXISTING
LT 813+85.00	M.B.T.O.	450.00	1.88	5.26	12.50	0.10		MATCH EXISTING
RT 822+09.50	F.E.	145.00	1.88	1.69	4.03	0.03		MATCH EXISTING
LT 829+29.00	F.E.	146.00	1.88	1.70	4.06	0.03		MATCH EXISTING
RT 833+83.00	F.E.	157.00	1.88	1.83	1.74	0.03		MATCH EXISTING

# INCIDENTAL HMA SCHEDULES

SHEET 2 OF 9

\*SIDEROADS IN THIS LIST TO RECEIVE FEATHEREDGE RUNDOWNS

STATION	DESCRIPTION	INCIDENTAL AREA (SQ FT)	AVERAGE THICKNESS (INCH)	40800050	40800010	40800030	40600982	REMARKS	
				INCIDENTAL HOT-MIX ASPHALT SURFACING (TON)	BIT MAT'L PRIME COAT (GALLONS)	AGGREGATE PRIME COAT (TON)	HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT (SQ YD)		
RT	840+66.50	F.E.	152.00	1.88	1.77	1.69	0.03	MATCH EXISTING	
LT	840+66.50	F.E.	132.00	1.88	1.54	1.47	0.03	MATCH EXISTING	
RT	853+84.00	F.E.	188.00	1.88	2.19	2.09	0.04	MATCH EXISTING	
LT	856+52.00	P.E. & M.B.T.O.	480.00	1.88	5.61	5.33	0.11	MATCH EXISTING	
LT	861+72.00	F.E.	134.00	1.88	1.56	1.49	0.03	MATCH EXISTING	
RT	863+82.50	F.E.	182.00	1.88	2.12	2.02	0.04	MATCH EXISTING	
LT	869+93.00	F.E.	140.00	1.88	1.63	1.56	0.03	MATCH EXISTING	
RT	870+04.00	F.E.	135.00	1.88	1.58	1.50	0.03	MATCH EXISTING	
LT	880+74.00	F.E.	143.00	1.88	1.67	1.59	0.03	MATCH EXISTING	
LT	894+24.00	F.E.	129.00	1.88	1.51	1.43	0.03	MATCH EXISTING	
RT	894+84.00	1950E	658.00	1.88	7.70	7.31	0.15	RESURFACE TO ROW (40 FT)	
RT	908+04.50	F.E.	137.00	1.88	1.60	1.52	0.03	MATCH EXISTING	
RT	908+11.00	P.E.	609.00	1.88	7.12	6.77	0.14	RESURFACE TO ROW (40 FT)	
RT	909+29.50	P.E.	654.00	1.88	7.65	7.27	0.15	RESURFACE TO ROW (40 FT)	
LT	910+37.00	P.E. & M.B.T.O.	520.00	1.88	6.08	5.78	0.12	MATCH EXISTING	
LT	911+90.00	P.E.	688.00	1.88	8.05	7.64	0.15	RESURFACE TO ROW (40 FT)	
RT	911+90.00	F.E.	144.00	1.88	1.68	1.60	0.03	MATCH EXISTING	
RT	921+50.00	2000E	577.00	1.88	6.75	6.41	0.13	RESURFACE TO ROW (40 FT)	
LT	921+50.00	2000E	604.00	1.88	7.07	6.71	0.13	RESURFACE TO ROW (40 FT)	
LT	933+80.50	F.E.	134.00	1.88	1.56	1.49	0.03	MATCH EXISTING	
RT	934+89.00	F.E.	146.00	1.88	1.70	1.62	0.03	MATCH EXISTING	
LT	934+95.00	F.E.	138.00	1.88	1.61	1.53	0.03	MATCH EXISTING	
RT	944+12.00	F.E.	146.00	1.88	1.70	1.62	0.03	MATCH EXISTING	
RT	947+94.50	F.E.	140.00	1.88	1.63	1.56	0.03	MATCH EXISTING	
LT	955+96.50	F.E.	134.00	1.88	1.56	1.49	0.03	MATCH EXISTING	
RT	961+19.50	F.E.	207.00	1.88	2.42	2.30	0.05	MATCH EXISTING	
LT	967+72.50	F.E.	140.00	1.88	1.63	1.56	0.03	MATCH EXISTING	
LT	972+15.00	P.E.	388.00	1.88	4.54	4.31	0.09	MATCH EXISTING	
RT	973+12.00	P.E.	382.00	1.88	4.47	4.24	0.08	MATCH EXISTING	
RT	974+59.00	P.E.	402.00	1.88	4.70	4.47	0.09	MATCH EXISTING	
LT	974+71.00	2100E	337.00	1.88	3.94	3.74	0.07	RESURFACE TO BACK OF RADIUS	
LT	979+26.00	F.E.	158.00	1.88	1.84	1.76	0.04	MATCH EXISTING	
RT	987+49.00	F.E.	140.00	1.88	1.63	1.56	0.03	MATCH EXISTING	
LT	992+09.40	F.E.	147.00	1.88	1.72	1.63	0.03	MATCH EXISTING	
LT	993+80.00	P.E.						NO WORK	
LT	994+92.30	P.E. & M.B.T.O.	530.00	1.88	6.20	5.89	0.12	MATCH EXISTING	
RT	995+51.50	F.E.	138.00	1.88	1.61	1.53	0.03	MATCH EXISTING	
LT	996+78.00	F.E.	134.00	1.88	1.56	1.49	0.03	MATCH EXISTING	
RT	1001+26.60	2151E	421.00	1.88	4.92	4.68	0.09	RESURFACE TO ROW (40 FT)	
LT	1017+28.00	P.E. & M.B.T.O.	630.00	1.88	7.37	7.00	0.14	MATCH EXISTING	
RT	1019+40.00	F.E.	132.00	1.88	1.54	1.47	0.03	MATCH EXISTING	
LT	1021+00.00	C.E. & M.B.T.O.	455.00	1.88	5.32	5.06	0.10	MATCH EXISTING	
RT	1024+76.60	F.E.	137.00	1.88	1.60	1.52	0.03	MATCH EXISTING	
				TOTAL =	284.09	335.63	5.40	324.66	
				USE =	284.00	356.00	5.00	325.00	
					(TON)	(GALLONS)	(TON)	(SQ YD)	

# SCHEDULE OF QUANTITIES

SHEET 3 OF 9

## 40600982 HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT

STATION	TO	STATION	LENGTH (FT)	AVERAGE WIDTH (FT)	AREA (SQ YD)
IL 119 MAINLINE					
626+00.00		626+30.00	30.00	26.00	86.67
729+59.30		729+89.33	30.00	26.00	86.67
732+02.55		732+32.55	30.00	26.00	86.67
868+61.40		869+11.40	50.00	26.00	144.44
869+20.30		869+70.30	50.00	26.00	144.44
1030+47.00		1030+77.00	30.00	29.00	96.67
BISMARCK RD					
121+34.00		121+64.00	30.00	26.00	86.67
TOTAL =					732.23 SQ YD
USE =					732.00 SQ YD

\* NOTE: SEE INCIDENTAL HOT-MIX ASPHALT SURFACING SCHEDULE FOR PRIVATE ENTRANCE QUANTITIES

## 44000157 HOT-MIX ASPHALT SURFACE REMOVAL, 2"

STATION	TO	STATION	LENGTH (FT)	AVERAGE WIDTH (FT)	AREA (SQ YD)
IL 119 MAINLINE					
759+60.00		767+60.00	800.00	20.00	1777.78
767+60.00		769+65.00	205.00	30.00	683.33
ALVIN SPUR					
765A+20.00		769A+65.00	445.00	22.00	1087.78
ALVIN SPUR CONNECTOR					
LT		767+76.00		VARIES	398.27
TOTAL =					3,947.16 SQ YD
USE =					3,947.00 SQ YD

## SIDEROAD CULVERTS

LOCATION	50105210 REMOVE EXISTING CULVERTS (FOOT)	2800300 TEMPORARY DITCH CHECKS (EACH)	28000500 INLET AND PIPE PROTECTION (EACH)	54207165 P CUL 1 RC-E EQRS 30 (FOOT)	542A0220 P CUL CL A 1 15 (FOOT)	54213660 PRC FLAR END SEC 15 (EACH)	54214515 PRC FL END S EQRS 30 (EACH)	20900110 POROUS GRANULAR BACKFILL (CU YD)	44201717 CLASS D PATCHES TYPE II 6 INCH (SQ YD)
RT 789+56.00 TR 113A (2950N)	38.00	1.00	1.00		38.00	2.00		2.00	25.33
RT 894+84.00 TR 438 (1950E)	34.00	1.00	1.00	34.00			2.00	3.69	25.02
RT 1001+26.60 TR 484A (2151E)	32.00	1.00	1.00		32.00	2.00		1.39	16.62
TOTAL =									
USE =									
	104.00	3.00	3.00	34.00	70.00	4.00	2.00	7.08	66.97
	104.00	3.00	3.00	34.00	70.00	4.00	2.00	7.00	67.00
	(FOOT)	(EACH)	(EACH)	(FOOT)	(FOOT)	(EACH)	(EACH)	(CU YD)	(SQ YD)

# SCHEDULE OF QUANTITIES

SHEET 4 OF 9

### 63000000 STEEL PLATE BEAM GUARDRAIL, TYPE A

STATION	TO	STATION	QUANTITY (FT)
S.N. 092-8311			
LT	860+95.50	861+45.50	50.00
RT	859+70.50	860+20.50	50.00
<b>TOTAL</b>			<b>100.00 FOOT</b>

### 63000005 STEEL PLATE BEAM GUARDRAIL, TYPE B

STATION	TO	STATION	QUANTITY (FT)
S.N. 092-8311			
LT	860+20.50	860+45.50	25.00
LT	860+70.50	860+95.50	25.00
RT	860+20.50	860+45.50	25.00
RT	860+70.50	860+95.50	25.00
<b>TOTAL</b>			<b>100.00 FOOT</b>

### Z0055300 RUMBLE STRIP

STATION	QUANTITY (EACH)	
LT 631+15.00	1.00	
LT 816A+97.10	1.00	
LT 818A+97.10	1.00	
LT 825+97.10	1.00	
<b>TOTAL</b>		<b>4.00 EACH</b>

### 63000025 STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES

STATION	TO	STATION	QUANTITY (FT)
S.N. 092-8311			
LT	860+45.50	860+70.50	25.00
RT	860+45.50	860+70.50	25.00
<b>TOTAL</b>			<b>50.00 FOOT</b>

### 63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

STATION	TO	STATION	QUANTITY (EACH)
S.N. 092-8311			
LT	859+70.50	860+20.50	1.00
LT	861+45.50	861+95.50	1.00
RT	859+20.50	859+70.50	1.00
RT	860+95.50	861+45.50	1.00
<b>TOTAL</b>			<b>4.00 EACH</b>

### Z0070100 SURVEY MONUMENT COVER ASSEMBLY

STATION	QUANTITY (EACH)	
789+56.90	1.00	
816+08.60	1.00	
921+31.50	1.00	
974+71.00	1.00	
<b>TOTAL</b>		<b>4.00 EACH</b>

### ISLAND REPLACEMENT

LOCATION			44000500 COMB. CONC. C&G REMOVAL (FOOT)	44002020 CONCRETE MEDIAN SURFACE REMOVAL (SQ FT)	35300500 PCB BASE COURSE 10" (SQ YD)	60622354 CONCRETE MED TYPE SM-6 DOWELLED (SQ FT)
LT	814A+20	IL 119 / BISMARCK INT.	33.00	40.00	6.00	140.00
<b>TOTAL =</b>			<b>33.00</b>	<b>40.00</b>	<b>6.00</b>	<b>140.00</b>

\* THE TOP OF THE BASE COURSE SHALL BE PLACED FLUSH WITH THE TOP OF EXISTING PAVEMENT. IT IS TO BE OVERLAID AT THE SAME TIME AS THE ADJACENT PAVEMENT PRIOR TO CONSTRUCTION OF THE DOWELLED MEDIAN. THE REMOVAL AND RE-INSTALLATION OF THE STOP SIGN AND POSTS WILL BE INCIDENTAL TO THE CONCRETE MEDIAN, TYPE SM-6 DOWELLED.

# SCHEDULE OF QUANTITIES

SHEET 5 OF 9

## BITUMINOUS SURFACE TREATMENT, SPECIAL (LONGITUDINAL)

STATION	TO	STATION	LOCATION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	X4032500 BITUMINOUS MATERIALS COVER & SEAL COATS, SPECIAL (GALLON)	40300602 SEAL COAT AGGREGATE, SPECIAL (TON)
626+00.00		729+89.30	LT. WIDENING	10,389.30	2.00	2,308.73	692.62	23.09
626+00.00		729+89.30	CENTERLINE	10,389.30	2.00	2,308.73	692.62	23.09
626+00.00		729+89.30	RT. WIDENING	10,389.30	2.00	2,308.73	692.62	23.09
732+02.55		760+00.00	LT. WIDENING	2,797.45	2.00	621.66	186.50	6.22
732+02.55		760+00.00	CENTERLINE	2,797.45	2.00	621.66	186.50	6.22
732+02.55		760+00.00	RT. WIDENING	2,797.45	2.00	621.66	186.50	6.22
767+60.00		771+70.00 BK	LT. WIDENING	410.00	2.00	91.11	27.33	0.91
767+60.00		771+70.00 BK	CENTERLINE	410.00	2.00	91.11	27.33	0.91
767+60.00		771+70.00 BK	RT. WIDENING	410.00	2.00	91.11	27.33	0.91
774+73.80 AH		816+08.60 BK	LT. WIDENING	4,134.80	2.00	918.84	275.65	9.19
774+73.80 AH		816+08.60 BK	CENTERLINE	4,134.80	2.00	918.84	275.65	9.19
774+73.80 AH		816+08.60 BK	RT. WIDENING	4,134.80	2.00	918.84	275.65	9.19
814A+11.10 AH		818A+97.10 BK	CENTERLINE	486.00	2.00	108.00	32.40	1.08
818+97.10 AH		820+50.00	CENTERLINE	152.90	2.00	33.98	10.19	0.34
820+50.00		869+11.40	LT. WIDENING	4,861.40	2.00	1,080.31	324.09	10.80
820+50.00		869+11.40	CENTERLINE	4,861.40	2.00	1,080.31	324.09	10.80
820+50.00		869+11.40	RT. WIDENING	4,861.40	2.00	1,080.31	324.09	10.80
869+20.30		1030+77.00	LT. WIDENING	16,156.70	2.00	3,590.38	1077.11	35.90
869+20.30		1030+77.00	CENTERLINE	16,156.70	2.00	3,590.38	1077.11	35.90
869+20.30		1030+77.00	RT. WIDENING	16,156.70	2.00	3,590.38	1077.11	35.90
<b>TOTAL =</b>							<b>7792.49</b>	<b>259.75</b>
<b>USE =</b>							<b>7792.00</b>	<b>260.00</b>
							<b>(GALLON)</b>	<b>(TON)</b>

NOTE: PLAN LOCATIONS FOR BITUMINOUS MATERIALS COVER & SEAL COAT, SPECIAL AND SEAL COAT AGGREGATE, SPECIAL SHALL BE APPLIED TO THE WIDENING JOINTS AND THE CENTERLINE JOINT AS THE JOINTS ARE SHOWN IN THE TYPICAL CROSS SECTIONS.

# SCHEDULE OF QUANTITIES

SHEET 6 OF 9

## EARTHWORK

STATION	TO	STATION	20200100 EARTH EXCAVATION  (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT  (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
S.N. 092-8311 GUARDRAIL						
LT	859+36.50	862+05.50	2.50	1.88	65.80	-63.93
RT	858+86.50	861+79.50	19.30	14.48	92.6	-78.13
TOTAL =			21.80 (CU YD)	16.35 (CU YD)	158.40 (CU YD)	-142.05 (CU YD)
			20200100	EARTH EXCAVATION =	20 CU YD	
			20400800	FURNISHED EXCAVATION =	140 CU YD	
			SHRINKAGE FACTOR = 25.0%			

## SEEDING, CLASS 2

STATION	TO	STATION	25000200 SEEDING, CLASS 2 (AC)	25000400 NITROGEN (LB)	25000500 PHOSPHORUS (LB)	25000600 POTASSIUM (LB)	25100115 MULCH (SQ FT)
SN 092-8033 GUARDRAIL							
	859+10.00	861+95.00	0.14	12.60	12.60	12.60	0.14
RT.	789+56.00		0.02	1.80	1.80	1.80	0.02
RT.	884+84.00		0.02	1.80	1.80	1.80	0.02
RT.	1001+26.00		0.02	1.80	1.80	1.80	0.02
TOTAL =			0.20 (ACRE)	18.00 (LB)	18.00 (LB)	18.00 (LB)	0.20 (ACRE)

## 78100100 RAISED REFLECTIVE PAVEMENT MARKER

STATION	TO	STATION	LOCATION	QUANTITY (EACH)	TYPE
626+00.00		1030+77.00	MAINLINE	557.0	TWO-WAY AMBER
TOTAL =				557.0	EACH

## 78001110 PAINT PAVEMENT MARKING - LINE 4"

STATION	TO	STATION	LOCATION	QUANTITY (FT)	COLOR
MAINLINE					
626+00.00		1030+77	EDGE LINE	83,180.0	WHITE
626+00.00		628+78.00	W.B. NO PASS	278.0	YELLOW
742+07.00		754+45.00	E.B. NO PASS	1,238.0	YELLOW
754+45.00		771+70.00 BK	DBL NO PASS	3,450.0	YELLOW
774+73.80 AH		775+40.00	DBL NO PASS	132.0	YELLOW
775+40.00		781+60.00	W.B. NO PASS	620.0	YELLOW
817A+85.00		818A+97.10 BK	W.B. NO PASS	112.0	YELLOW
818+97.10 AH		820+76.00	W.B. NO PASS	179.0	YELLOW
865+50.00		869+11.40	DBL NO PASS	723.0	YELLOW
869+20.3		873+05.00	DBL NO PASS	769.0	YELLOW
ALVIN SPUR					
765A+20.00		770A+00.00	DBL NO PASS	960.0	YELLOW
MAINLINE					
626+00.00		628+78.00	SKIP-DASH	70.0	YELLOW
628+78.00		742+07.00	SKIP-DASH	2,830.0	YELLOW
742+07.00		754+45.00	SKIP-DASH	310.0	YELLOW
775+40.00		781+60.00	SKIP-DASH	160.0	YELLOW
781+60.00		816+08.60 BK	SKIP-DASH	860.0	YELLOW
BISMARCK RD.					
116+08.60		121+64.00	SKIP-DASH	140.0	YELLOW
MAINLINE					
817A+85.00		818A+97.10 BK	SKIP-DASH	30.0	YELLOW
818+97.10 AH		820+76.00	SKIP-DASH	40.0	YELLOW
820+76.00		865+50.00	SKIP-DASH	1,120.0	YELLOW
873+05.00		1030+77.00	SKIP-DASH	3,940.0	YELLOW
TOTAL =				101,141.0	

# SCHEDULE OF QUANTITIES

SHEET 7 OF 9

### 78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"

STATION	TO	STATION	LOCATION	QUANTITY (FT)	COLOR
814A+35.00		817A+85.00	DBL DBL	1,400.0	YELLOW
TOTAL =				1,400.0 FT	

### 78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"

STATION	TO	STATION	LOCATION	QUANTITY (FT)	COLOR
869+16.00			RXR CROSSING	78.0	WHITE
BISMARCK RD			STOP BAR	14.0	WHITE
BISMARCK RD			STOP BAR	18.0	WHITE
ALVIN SPUR			STOP BAR	13.0	WHITE
ALVIN CONNECTOR			STOP BAR	21.0	WHITE
ALVIN CONNECTOR			STOP BAR	20.0	WHITE
TOTAL =				164.0 FT	

### 78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6"

STATION	TO	STATION	LOCATION	QUANTITY (FT)	COLOR
814A+35.00			ISLAND	133.0	WHITE
TOTAL =				133.0 FT	

### 78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

STATION	LOCATION	QUANTITY (SQ FT)	COLOR
869+16.00	RXR CROSSING	123	WHITE
TOTAL =		123 SQ FT	

### 78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"

STATION	TO	STATION	LOCATION	QUANTITY (FT)	COLOR
814A+35.00			ISLAND	79.0	WHITE
TOTAL =				79.0 FT	

### 44201789 CLASS D PATCHES, TYPE II, 12 INCH

STATION	DIRECTION	LOCATION	LENGTH (FT)	WIDTH (FT)	PATCH AREA (SQ YD)
766+60.00	EASTBOUND	MAINLINE	10.00	10.00	11.11
766+60.00	WESTBOUND	MAINLINE	10.00	10.00	11.11
TOTAL =					22.22
USE					22.00 (SQ YD)

# SCHEDULE OF QUANTITIES

SHEET 8 OF 9

## 44201803 CLASS D PATCHES, TYPE II, 13 INCH

## 44201803 CLASS D PATCHES, TYPE II, 13 INCH (CONTINUED)

STATION	DIRECTION	LOCATION	LENGTH (FT)	WIDTH (FT)	PATCH AREA (SQ YD)
626+14.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
626+14.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
626+87.00	EASTBOUND	MAINLINE	10.00	13.00	14.44
626+87.00	WESTBOUND	MAINLINE	10.00	13.00	14.44
631+00.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
631+00.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
631+22.00	EASTBOUND	MAINLINE	8.00	6.00	5.33
631+49.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
632+15.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
632+43.00	EASTBOUND	MAINLINE	10.00	13.00	14.44
632+80.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
632+95.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
632+95.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
633+14.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
633+14.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
633+27.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
633+38.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
633+89.00	EASTBOUND	MAINLINE	12.00	6.00	8.00
634+30.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
634+98.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
634+98.00	WESTBOUND	MAINLINE	8.00	13.00	11.56
635+26.00	EASTBOUND	MAINLINE	8.00	13.00	11.56
635+97.00	WESTBOUND	MAINLINE	8.00	13.00	11.56
635+97.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
636+05.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
636+05.00	WESTBOUND	MAINLINE	8.00	13.00	11.56
636+99.00	EASTBOUND	MAINLINE	8.00	13.00	11.56
636+99.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
638+14.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
638+14.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
638+75.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
639+11.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
639+11.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
639+39.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
639+39.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
640+02.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
640+02.00	WESTBOUND	MAINLINE	8.00	13.00	11.56
640+30.00	EASTBOUND	MAINLINE	8.00	13.00	11.56
640+60.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
647+06.00	WESTBOUND	MAINLINE	10.00	13.00	14.44
656+93.00	WESTBOUND	MAINLINE	8.00	13.00	11.56
664+08.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
667+87.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
668+21.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
670+61.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
689+81.00	EASTBOUND	MAINLINE	10.00	13.00	14.44
691+29.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
691+29.00	WESTBOUND	MAINLINE	6.00	13.00	8.67

SUBTOTAL = 464.00  
(SQ YD)

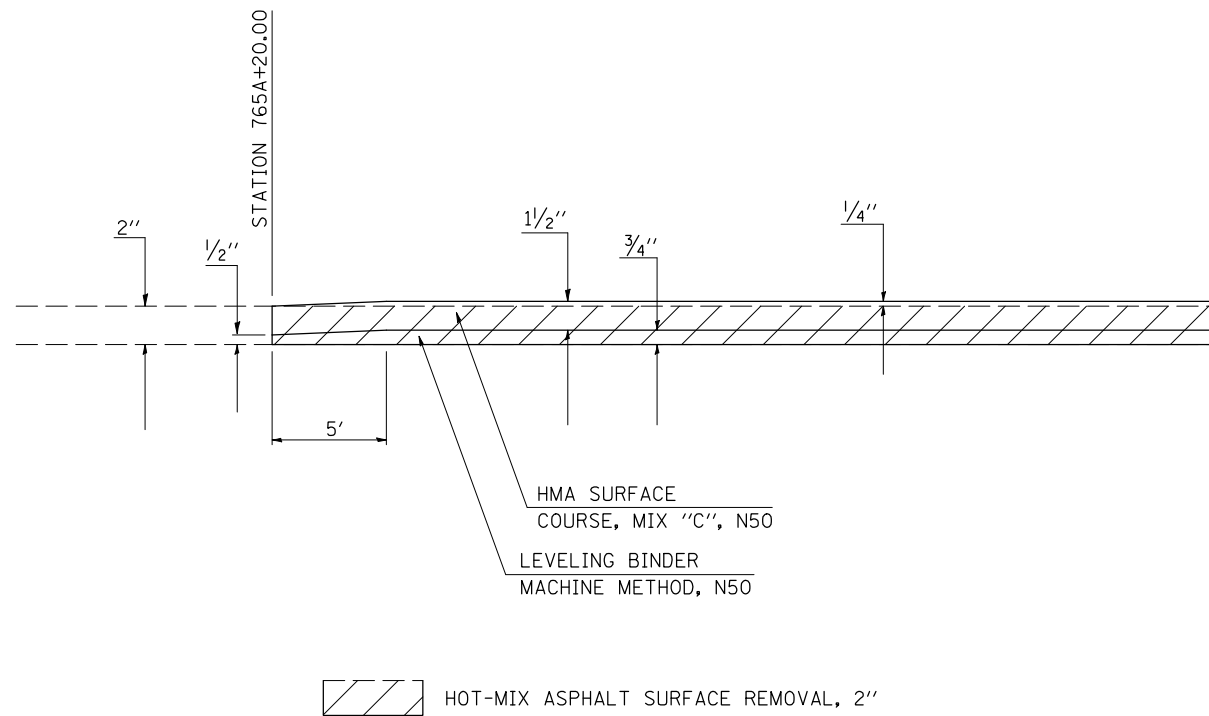
STATION	DIRECTION	LOCATION	LENGTH (FT)	WIDTH (FT)	PATCH AREA (SQ YD)
692+36.00	EASTBOUND	MAINLINE	10.00	13.00	14.44
692+56.00	EASTBOUND	MAINLINE	16.00	6.00	10.67
693+72.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
695+52.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
699+81.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
699+81.00	WESTBOUND	MAINLINE	10.00	13.00	14.44
717+77.00	EASTBOUND	MAINLINE	20.00	6.00	13.33
745+57.00	EASTBOUND	MAINLINE	8.00	13.00	11.56
759+11.00	EASTBOUND	MAINLINE	8.00	13.00	11.56
759+38.00	WESTBOUND	MAINLINE	8.00	13.00	11.56
781+89.00	WESTBOUND	MAINLINE	8.00	13.00	11.56
814+05.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
814+65.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
117+86.00	NORTHBOUND	BISMARCK	8.00	13.00	11.56
118+64.00	SOUTHBOUND	BISMARCK	6.00	13.00	8.67
118+76.00	SOUTHBOUND	BISMARCK	6.00	13.00	8.67
120+14.00	SOUTHBOUND	BISMARCK	6.00	13.00	8.67
120+42.00	SOUTHBOUND	BISMARCK	8.00	13.00	11.56
831+67.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
839+44.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
839+44.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
870+18.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
870+18.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
870+57.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
870+57.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
882+44.00	EASTBOUND	MAINLINE	8.00	13.00	11.56
882+44.00	WESTBOUND	MAINLINE	8.00	13.00	11.56
891+60.00	WESTBOUND	MAINLINE	6.00	13.00	8.67
905+15.00	EASTBOUND	MAINLINE	6.00	13.00	8.67
909+81.00	EASTBOUND	MAINLINE	8.00	13.00	11.56
956+40.00	WESTBOUND	MAINLINE	20.00	6.00	13.33
967+55.00	EASTBOUND	MAINLINE	8.00	13.00	11.56
1007+70.00	WESTBOUND	MAINLINE	8.00	13.00	11.56

SUBTOTAL = 340.67  
TOTAL = 804.67  
USE 805.00  
(SQ YD)



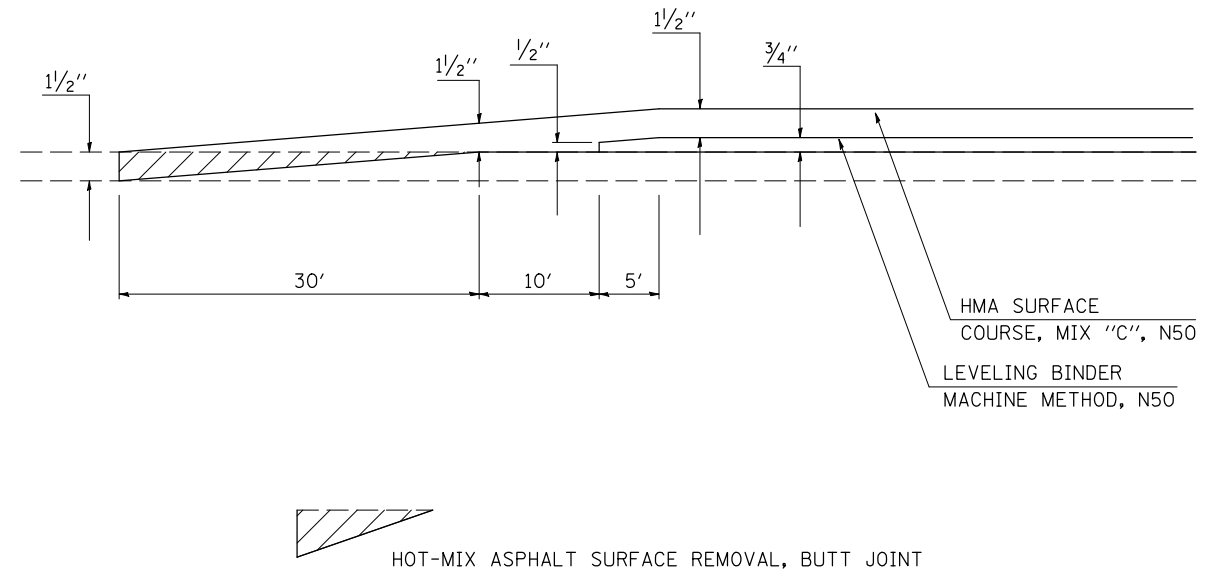


**HMA RUNDOWN @ ALVIN SPUR  
STATION 765A+20 TO STA. 765A+25**



**HMA & SURFACE REMOVAL, BUTT JOINT**

**RUNDOWN DETAILS @  
STA. 626+00.00, STA. 627+14.00, STA. 627+52.00, STA. 729+89.30, STA. 732+02.55,  
STA. 869+11.40, STA. 869+20.30, STA. 889+17.00, STA. 889+57.00, STA. 1030+77.00  
& STA. 121+64.00 (BISMARCK RD.)**

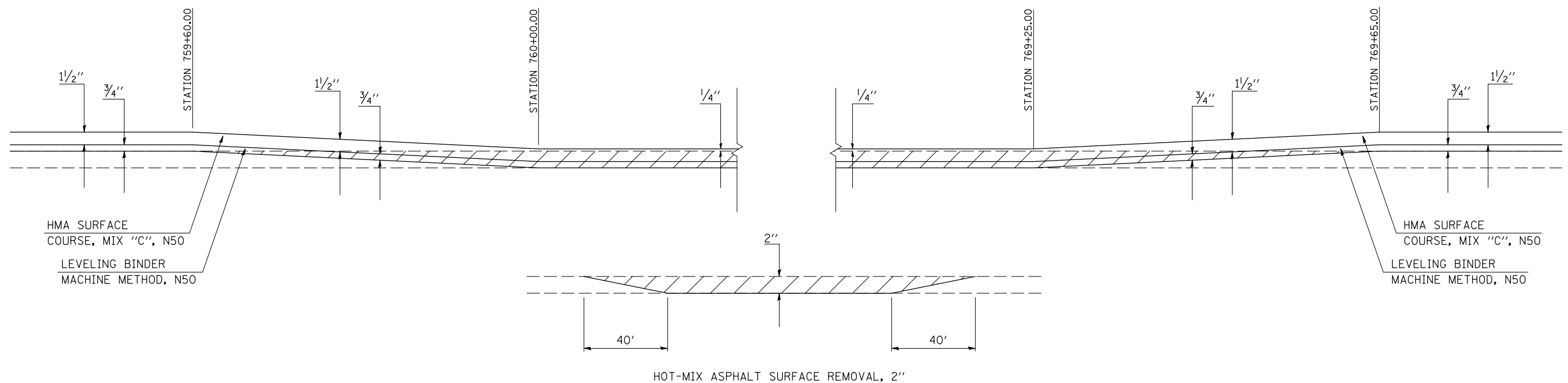


**HMA SURFACE REMOVAL, 2" RUNDOWNS**

**STA. 759+60.00 TO STA. 760+00.00**

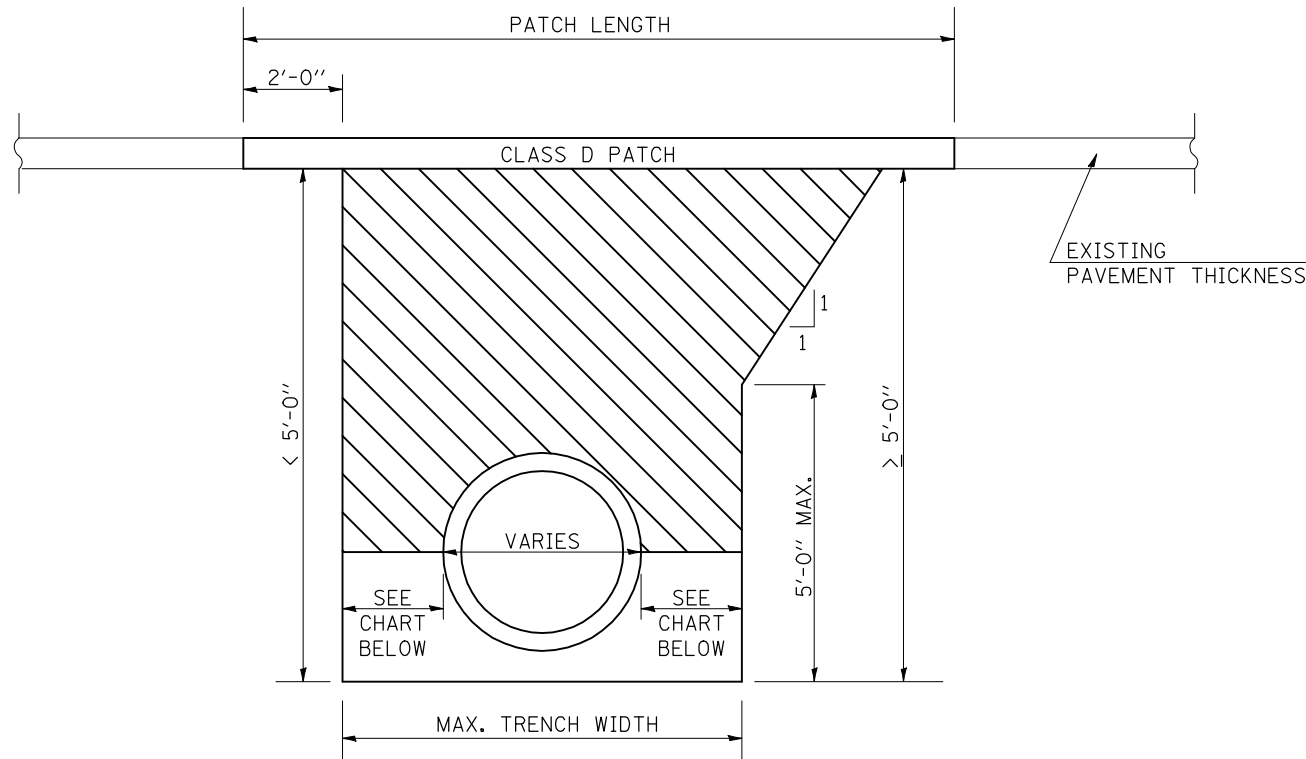
**STA. 769+25.00 TO STA. 769+65.00**

**STA. 769A+25.00 TO STA. 769A+65.00**



FILE NAME =	USER NAME = piersonbr	DESIGNED - BJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HMA &amp; SURFACE REMOVAL RUNDOWN DETAILS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PIWIDOT\PIERSONBR\d0107117\90914details.dgn	DRAWN - BBP	REVISED -	711					116RS-3	VERMILION	51	26	
PLOT SCALE = 40.0000 ' / IN.	CHECKED - BJM	REVISED -	CONTRACT NO. 90914									
PLOT DATE = 1/29/2009	DATE - 12/10/07	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									
				SCALE: NONE		SHEET NO. OF SHEETS		STA. TO STA.				

## ACROSS ROAD PIPE CULVERTS

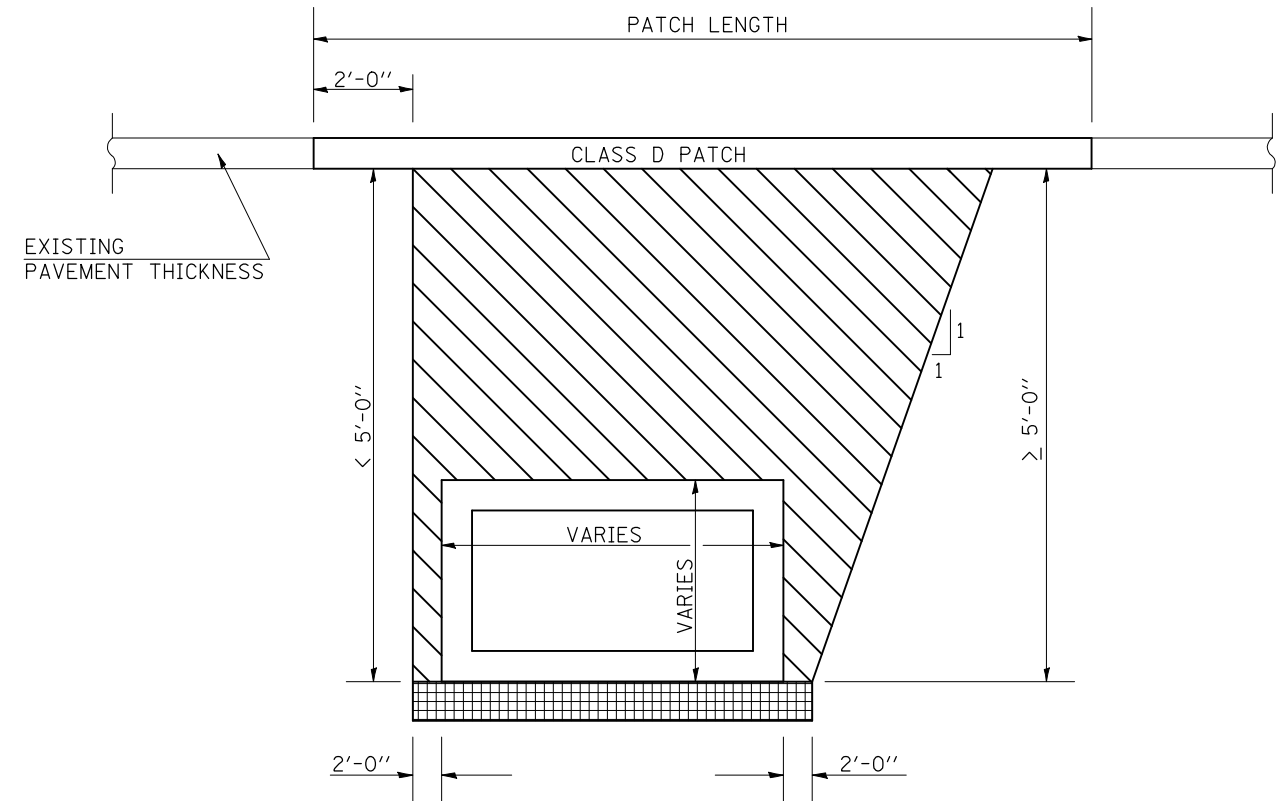


 PAY LIMITS OF POROUS GRANULAR BACKFILL - CA-6

POROUS GRANULAR BACKFILL SHALL EXTEND 5'-0" OUTSIDE OF THE EDGE OF SHOULDER.

INSIDE DIA. OF PIPE	MAX. TRENCH WIDTH
UP TO 24"	9" + OD + 9"
27" TO 48"	12" + OD + 12"
OVER 48"	18" + OD + 18"

## ACROSS ROAD BOX CULVERTS



 PAY LIMITS OF POROUS GRANULAR BACKFILL - CA-6

 POROUS GRANULAR MATERIAL - CA 7 (6") INCLUDED IN PAY ITEM FOR BOX CULVERT

\* POROUS GRANULAR BACKFILL SHALL EXTEND 5'-0" OUTSIDE OF THE EDGE OF SHOULDER.

\* ADDITIONAL UNDERCUT MAY BE SPECIFIED AT SOME BOX CULVERTS

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

### DISTRICT 5 DETAIL NO. 20900110

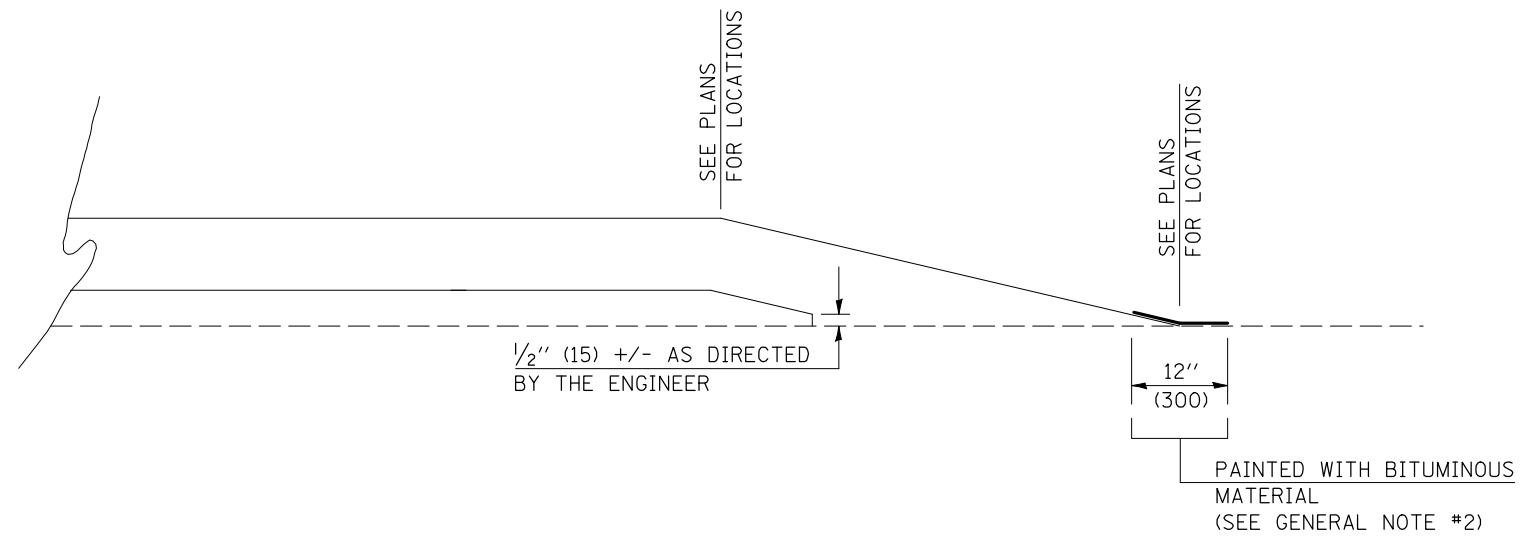
FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 12/07
ct:\pw\work\PIWIDOT\PIERSONBR\d0107117\90914details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2009	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

POROUS GRANULAR BACKFILL

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	27
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90914	



**GENERAL NOTES**

1. ALL PROPOSED RUNDOWNS SHALL BE UNIFORMLY CONSTRUCTED AS FOLLOWS:  
 1: 240 (20 FEET PER INCH) OF THICKNESS FOR NON-INTERSTATE IMPROVEMENTS (SEE ARTICLE 406.09)  
 1: 360 (30 FEET PER INCH) OF THICKNESS FOR INTERSTATE IMPROVEMENTS
  
2. ON RESURFACING RUNDOWNS THAT ARE TO REMAIN IN PLACE AFTER COMPLETION OF THE SECTION, THE END OF THE FEATHEREDGE SHALL BE PAINTED WITH A UNIFORM COATING OF AC OR HFE BITUMINOUS MATERIAL APPROVED BY THE ENGINEER AFTER THE RUNDOWN IS COMPLETED. THE BITUMINOUS MATERIAL SHALL BE PAINTED ACROSS THE END OF THE RUNDOWN APPROXIMATELY 12 INCHES (300 mm) WIDE, 6 INCHES (150 mm) ON THE RUNDOWN AND 6 INCHES (150 mm) ON THE PAVEMENT. THE PAINTED STRIP SHALL BE COVERED WITH SAND. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

**DISTRICT 5 DETAIL NO. 406AAAAA**

FILE NAME =	USER NAME = ptersonbr	DESIGNED -	REVISED - 12/06
ct\pwork\pwork\PIERSONBR\d0107117\90914details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2009	DATE -	REVISED -

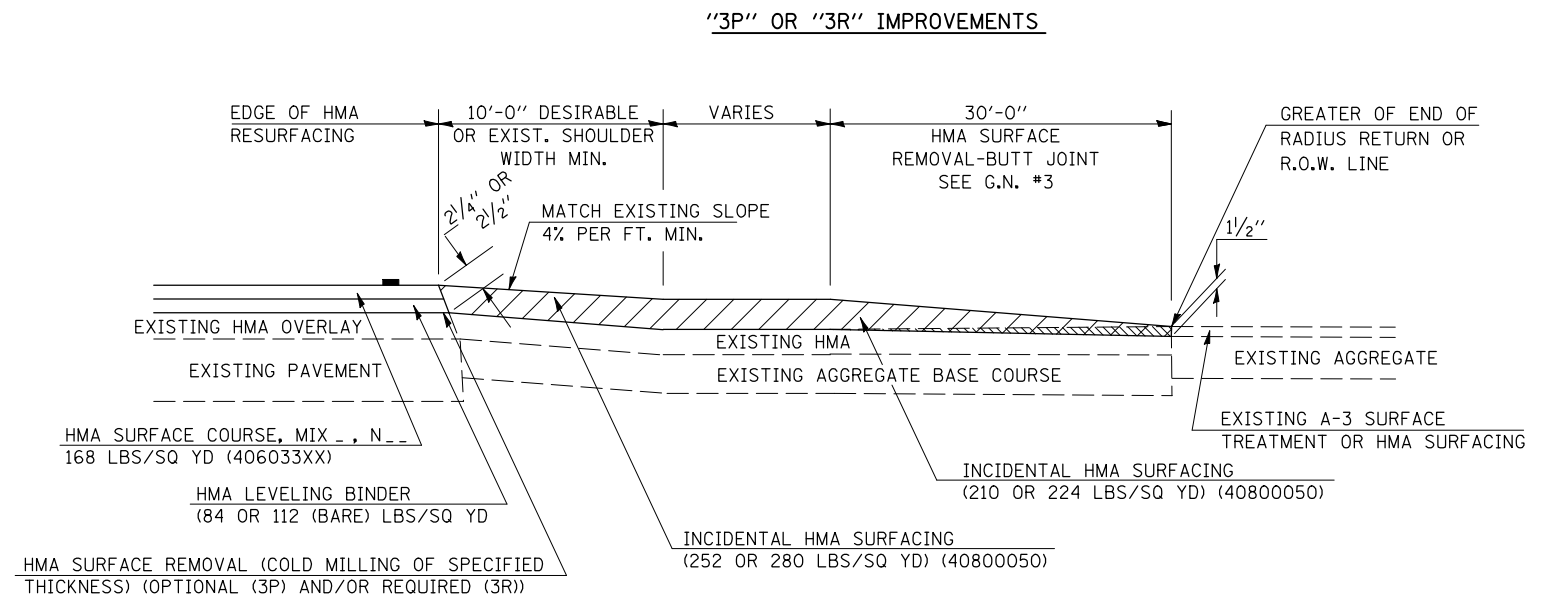
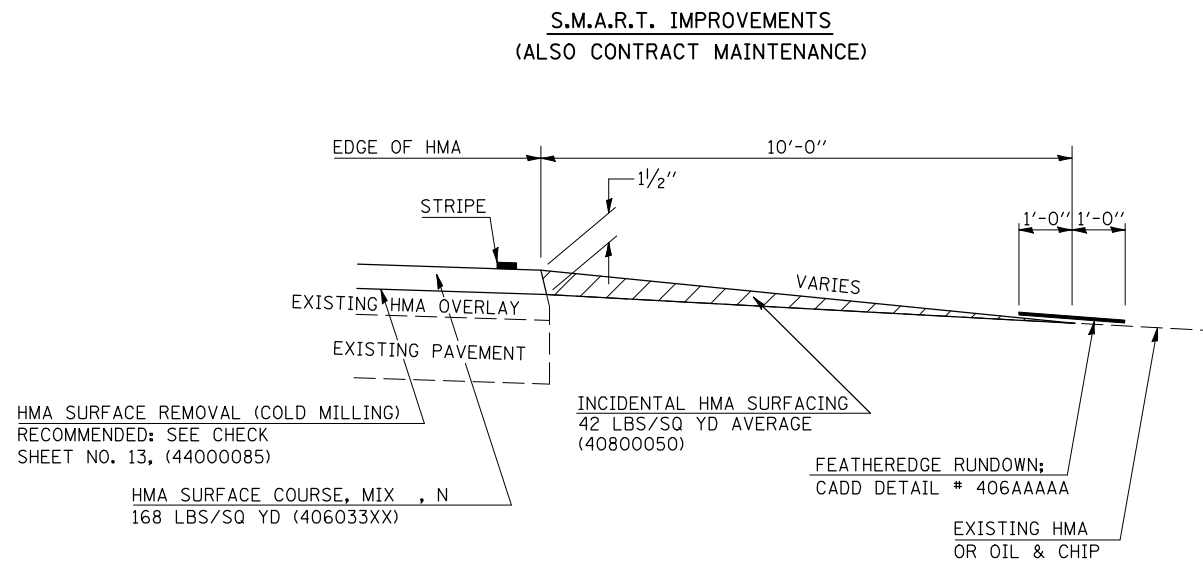
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FEATHEREDGE RUNDOWN**

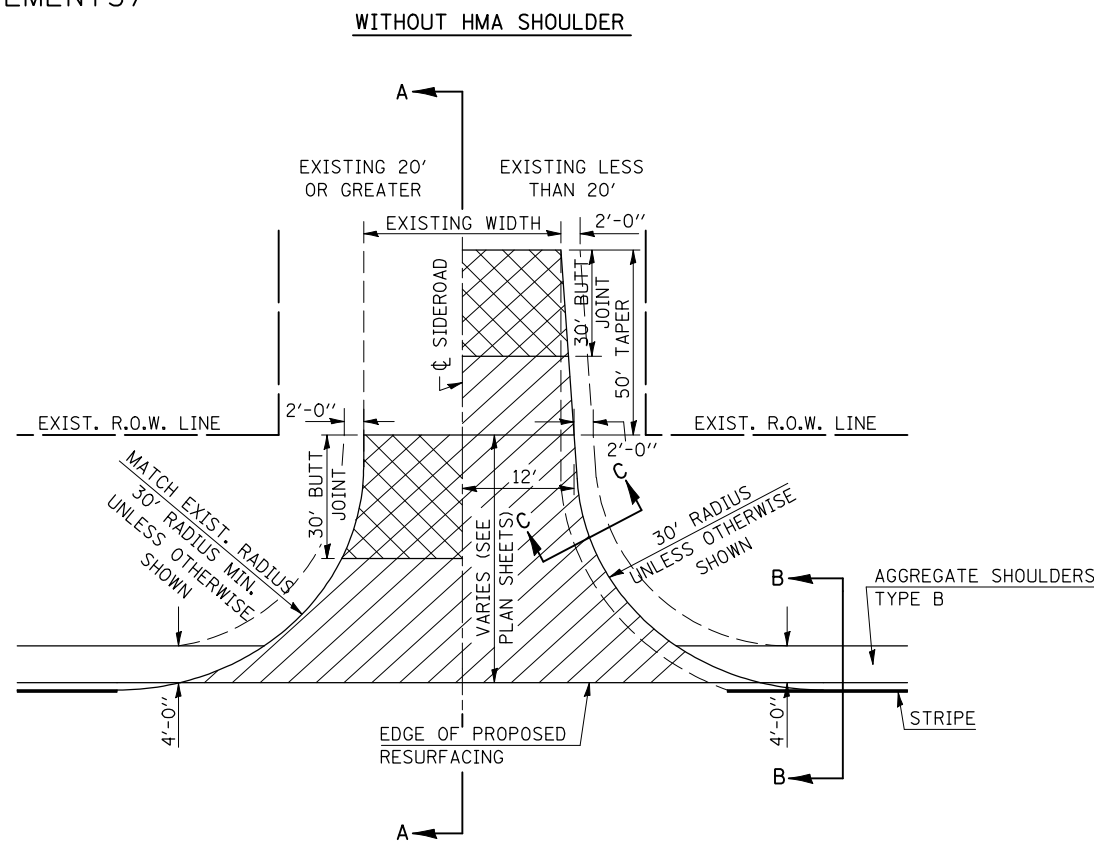
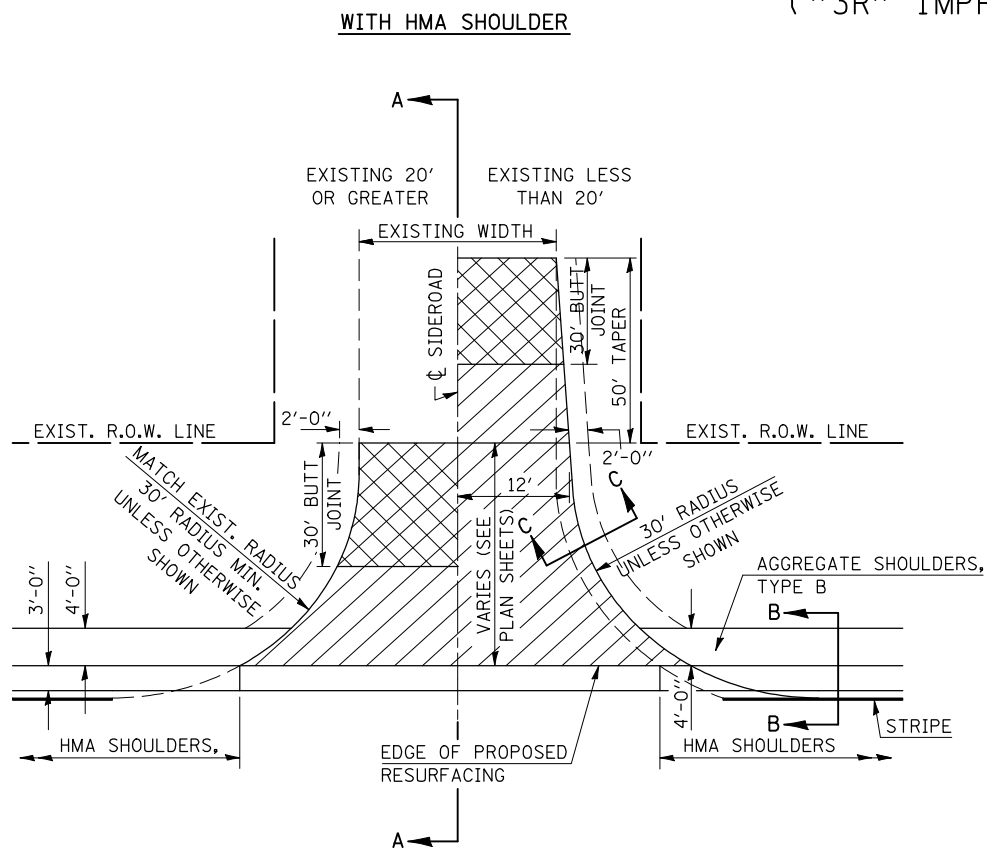
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	28
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90914	

# PROJECTS WITHOUT RECONSTRUCTION



# PROJECTS WITH RECONSTRUCTION ( "3R" IMPROVEMENTS )



## GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS
2. PROPOSED SIDEROAD GRADES SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. MAJOR SIDEROAD/SIDESTREETS (>400 ADT) SHALL HAVE "BUTT JOINTS" CONSTRUCTED WHETHER THE EXISTING ENTRANCE IS HMA OR PCC. MINOR SIDEROAD/SIDESTREETS (<400 ADT) SHALL HAVE "FEATHEREDGE RUNDOWNS".
4. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT 6" EXISTING BASE MATERIAL FOR THE PROPOSED SIDEROAD RETURNS. THIS MATERIAL SHALL BE USED TO WIDEN SIDEROAD RETURNS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN THE SURFACE DIMENSIONS.
6. AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.

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

## DISTRICT 5 DETAIL NO. 40800AA

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 12/13/06 TJB
ct:\pw\work\PIWIDOT\PIERSONBR\d0107117\90914details.dgn		DRAWN -	REVISED - 09/21/07 KAG
		CHECKED -	REVISED -
		DATE -	REVISED -

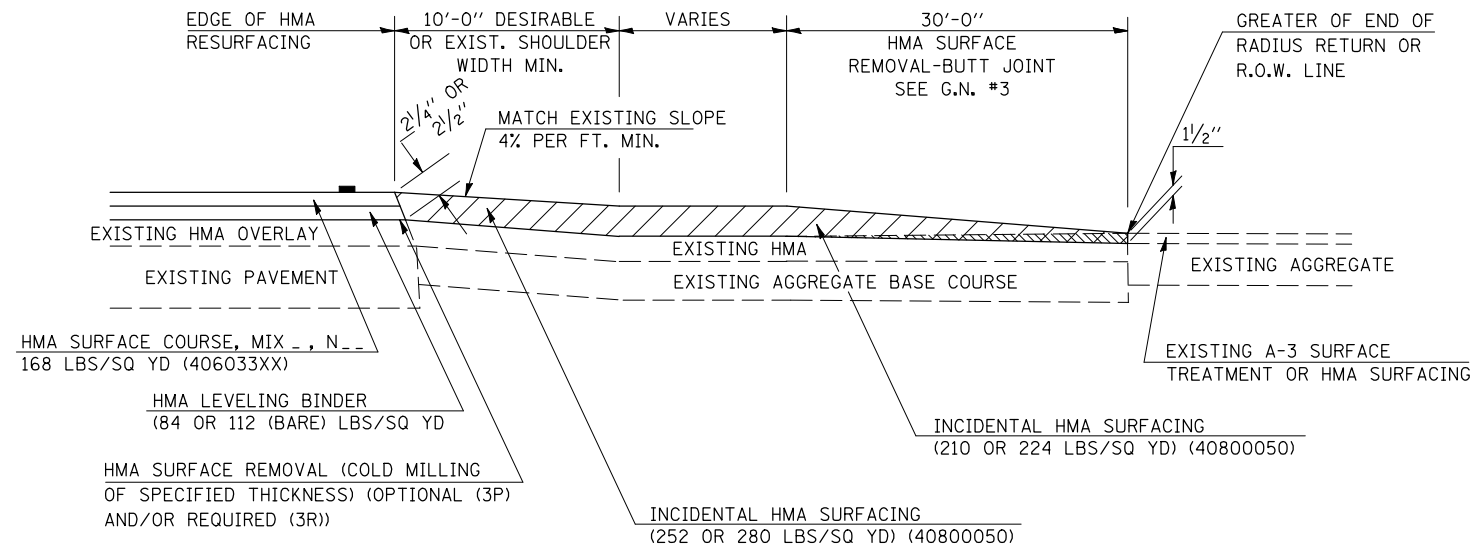
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEROADS & SIDESTREETS (RURAL)

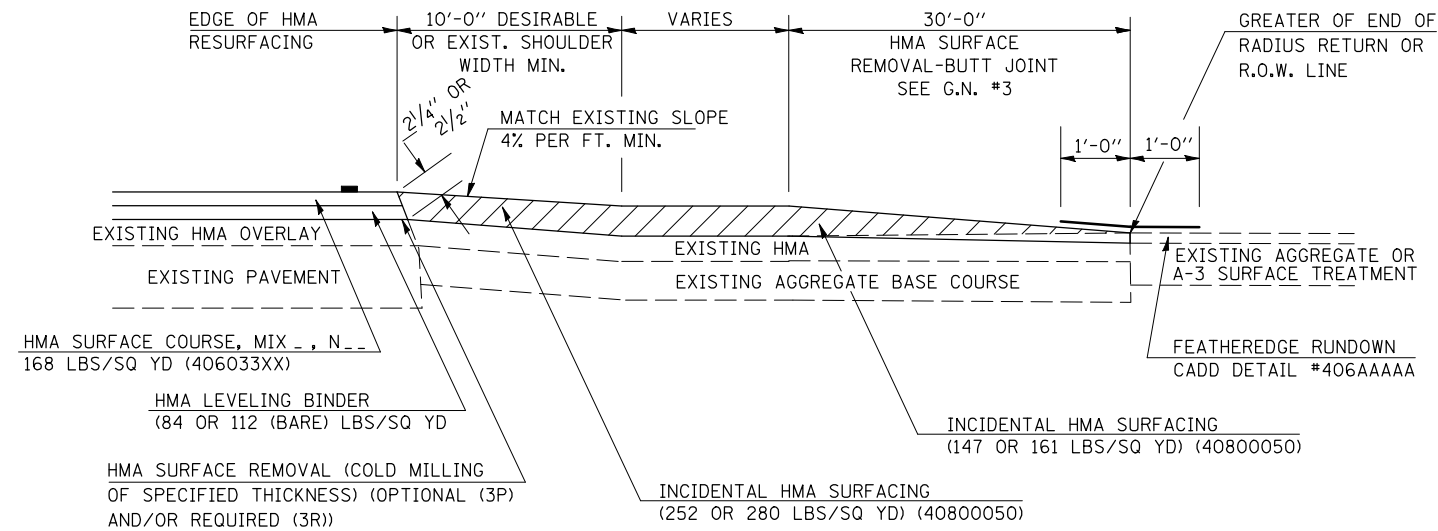
SCALE: NA SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	29
CONTRACT NO. 90914				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

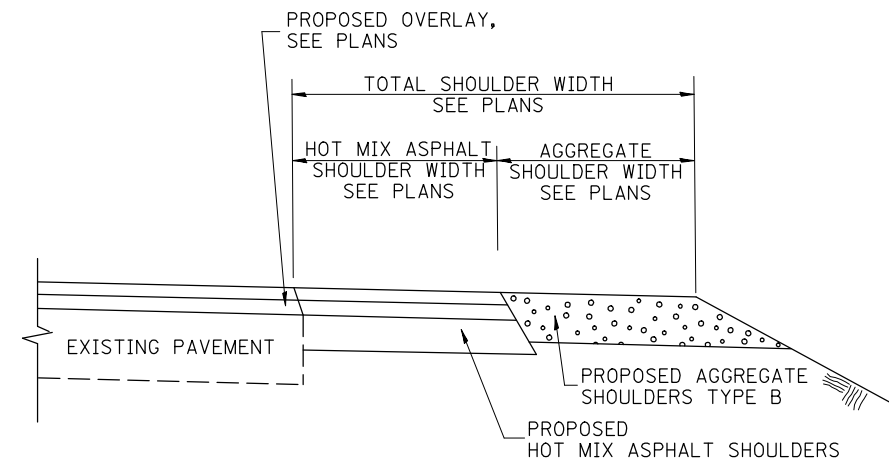
**SECTION A-A**  
EXISTING HMA OR PCC SIDEROAD (>400 ADT)



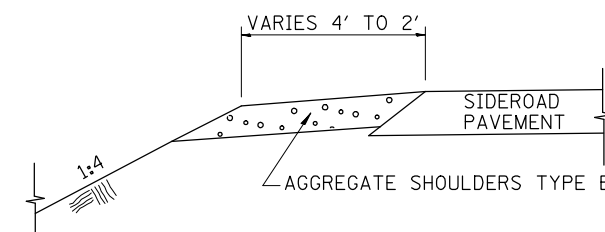
**SECTION A-A**  
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (<400 ADT)



RURAL SIDEROAD DESIGN STANDARDS (PPM 40-06)									
DESIGN ELEMENT	New Construction & 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) & 3P			SMART & Contract Maintenance		
	min.	des.	max.	min.	des.	max.	min.	des.	max.
SURFACE WIDTH (FT); (measured at end of radius or row line; greatest distance from edge of traveled way)	24	24	Coordinate with Geometrics Engineer	resurface existing configuration to completion of radius return or row line; greatest distance from edge of traveled way; major sideroads (> 400 adt) shall have "butt joints" constructed whether the entrance is hma or pcc; minor sideroads (< 400 adt) shall have "featheredge rundown" as shown in district cadd detail 406AAAAA					
RADIUS (FT)	30	30							
SHOULDER WIDTH (FT)	4	8	10						
SHOULDER SLOPE (%)	2	4	12						
ENTRANCE GRADE (%)	1	1 to 4	4						
BREAKOVER (%)	0	5	10						
SIDE SLOPE	1:10	1:6	1:4						
INTERSECTION ANGLE	60	75 to 90							
<b>SURFACE TYPE</b>									
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge		
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base					
PCC PAVEMENT (INCH)		8							



**SECTION B-B**  
MAINLINE SHOULDER TREATMENT



**SECTION C-C**  
SIDEROAD SHOULDER TREATMENT

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

**DISTRICT 5 DETAIL NO. 40800AA**

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 12/13/06 TJB
ct:\pw\work\PIWID01\PIERSONBR\d0107117\90514details.dgn		DRAWN -	REVISED - 09/21/07 KAG
		PLOT SCALE = 40.0000' / IN.	REVISIED -
		PLOT DATE = 1/29/2009	REVISIED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

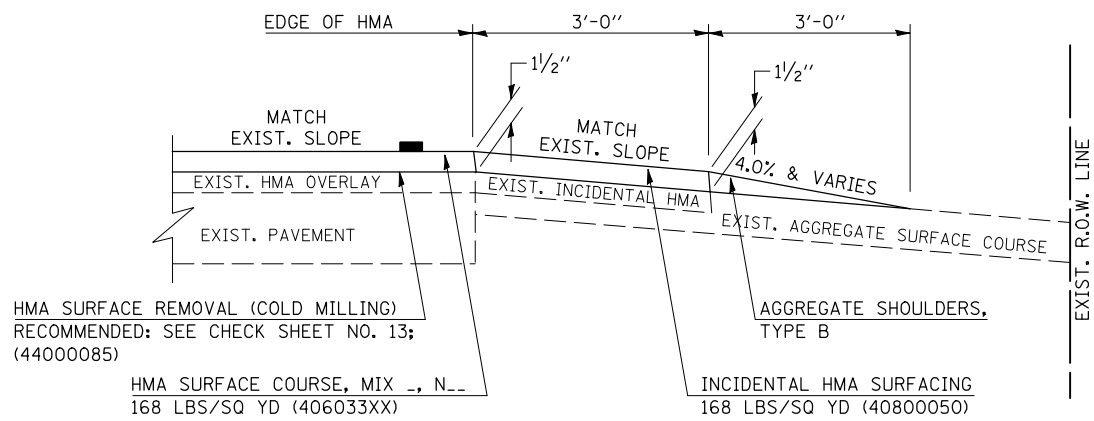
**SIDEROADS & SIDESTREETS (RURAL)**

SCALE: NA SHEET NO. 2 OF 2 SHEETS STA. TO STA.

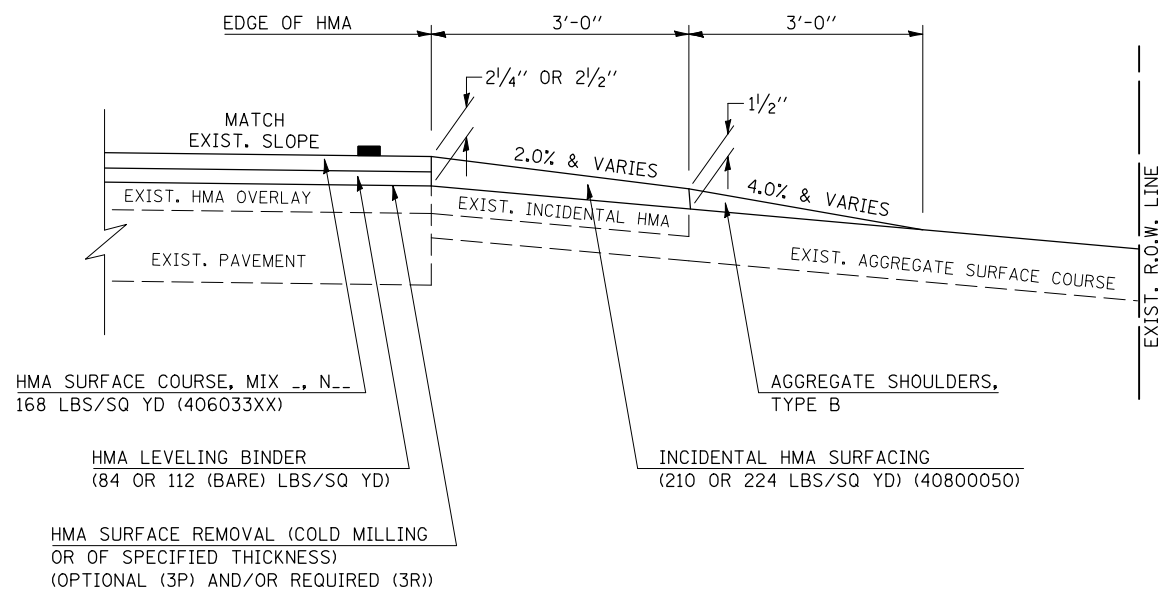
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	30
CONTRACT NO. 90914				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**PROJECTS WITHOUT RECONSTRUCTION**  
 ("3R" WITHOUT RECONSTRUCTION, 3P, SMART AND CM)

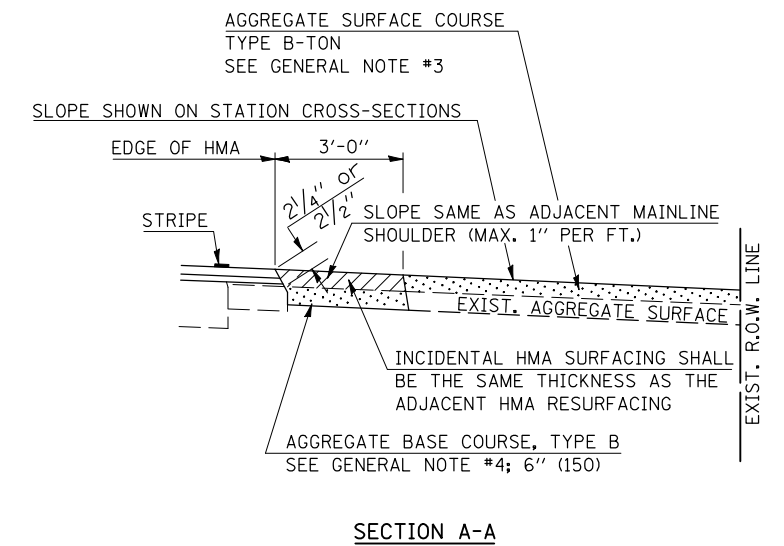
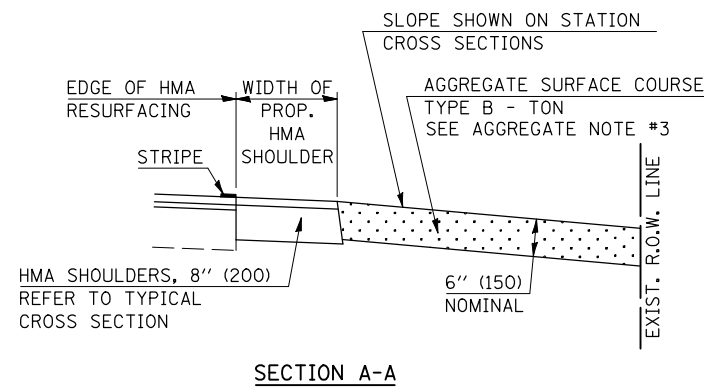
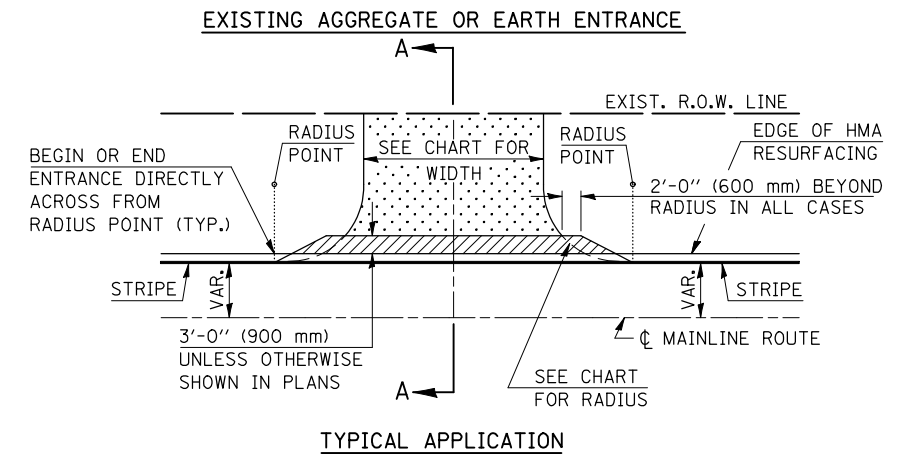
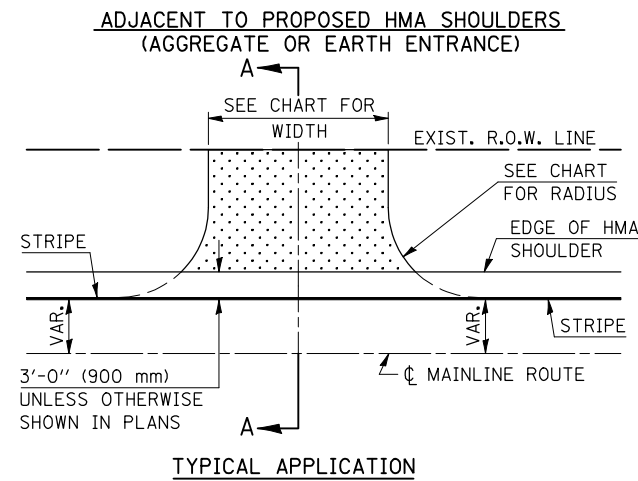
**S.M.A.R.T. IMPROVEMENTS**  
 (POLICY RESURFACING; BDE 53-4.03; 1/2")



**"3P" OR "3R" IMPROVEMENTS**  
 (POLICY RESURFACING; BDE 53-4.02; 2/4" OR 2/2" ON BARE CONCRETE)



**PROJECTS WITH RECONSTRUCTION**  
 ("3R" IMPROVEMENTS AND SMART/3P "SPOT" LOCATIONS)



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

**DISTRICT 5 DETAIL NO. 40800050A**

FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED - 12/01/06 TJB
ct:\pw\work\PIWIDOT\PIERSONBR\d0107117\90914details.dgn		DRAWN -	REVISED - 09/21/07 KAG
	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2009	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**FIELD ENTRANCES (NONCOMMERCIAL RURAL)**

SCALE: NA SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	31
CONTRACT NO. 90914				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 AND 40-11 ALONG WITH DISTRICT CONSTRUCTION MEMORANDUM 03/14 DISCUSS THIS PROCEDURE.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)																
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with RECONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM									
	NONCOMMERCIAL			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL			
	PRIVATE & FIELD			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			PRIVATE & FIELD			COMMERCIAL			
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.		
SURFACE WIDTH (FT)	12	16	24	24	30	1 LANE, 1 WAY						1 LANE, 1 WAY				
						2 LANE, 2 WAY						2 LANE, 2 WAY				
						14	16	24								
RADIUS (FT)	15	25	40	30		20	30	50	resurface existing configuration; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them							
SHOULDER WIDTH (FT)	2	2		2		1	3									
SHOULDER SLOPE (%)	2	4	6	4		2	4	6								
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10								
SIDE SLOPE (FT)	1:4	1:6	1:10	1:4	1:6	1:4	1:6	1:10								
<b>SURFACE TYPE</b>																
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder							
AGGREGATE SURFACE COURSE, TYPE A (INCH)		6		6		8			if applicable use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02							
PCC DRIVEWAY PAVEMENT (INCH)		6						6 or 8								

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

**DISTRICT 5 DETAIL NO. 40800050A**

FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED - 12/01/06 TJB
ct:\pwork\pwork\PIERSONBR\d0107117\90914details.dgn		DRAWN -	REVISED - 09/21/07 KAG
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

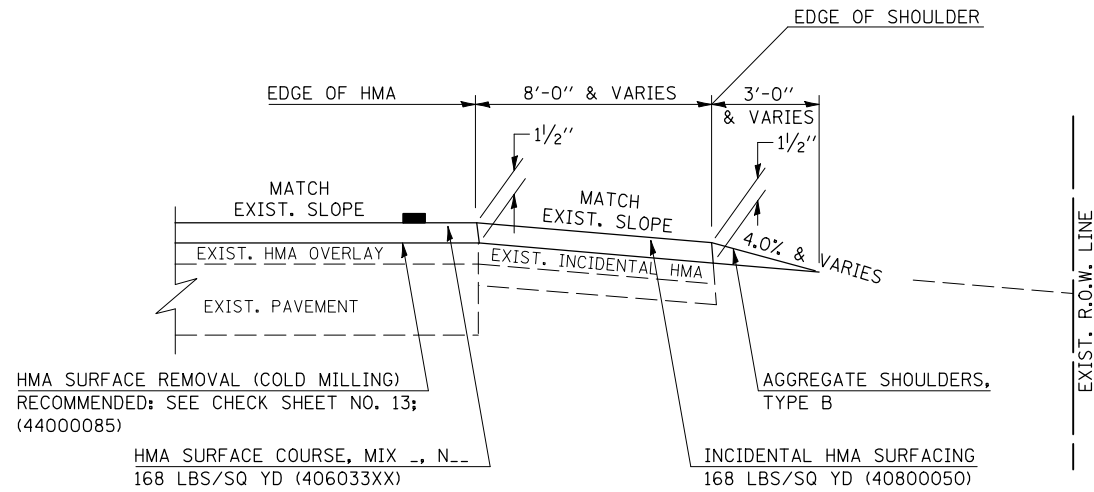
<b>FIELD ENTRANCES (NONCOMMERCIAL RURAL)</b>			
SCALE: NA	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	32
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 90914	

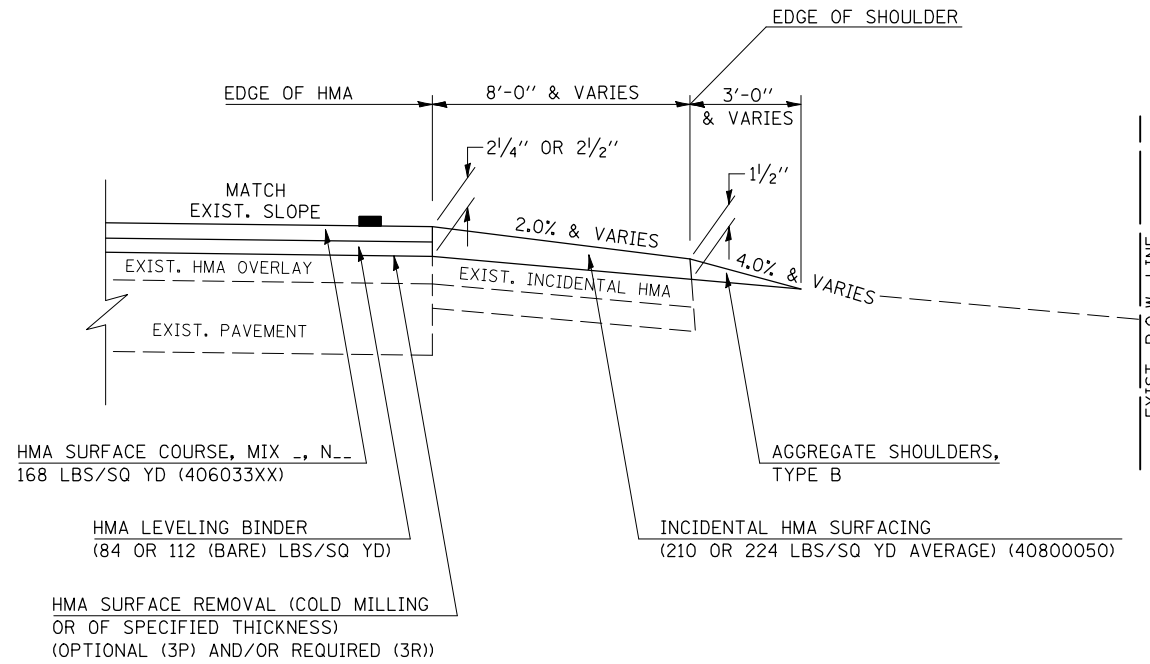


# PROJECTS WITHOUT RECONSTRUCTION

**S.M.A.R.T. IMPROVEMENTS**  
(POLICY RESURFACING; BDE 53-4.03; 1 1/2")



**"3P" OR "3R" IMPROVEMENTS**  
(POLICY RESURFACING; BDE 53-4.02; 2 1/4" OR 2 1/2" ON BARE CONCRETE)

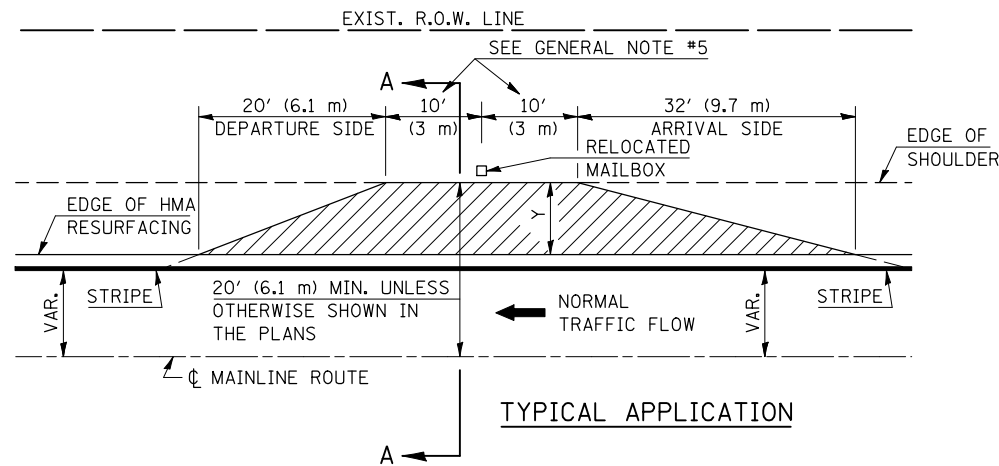


## GENERAL NOTES

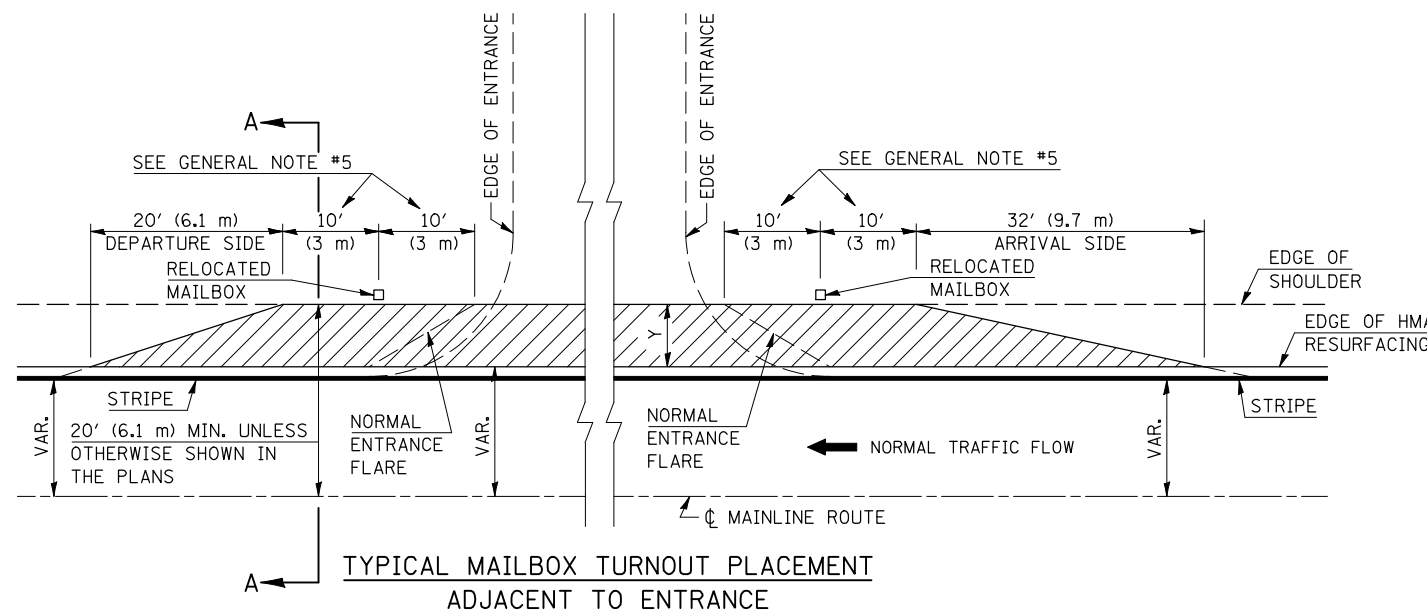
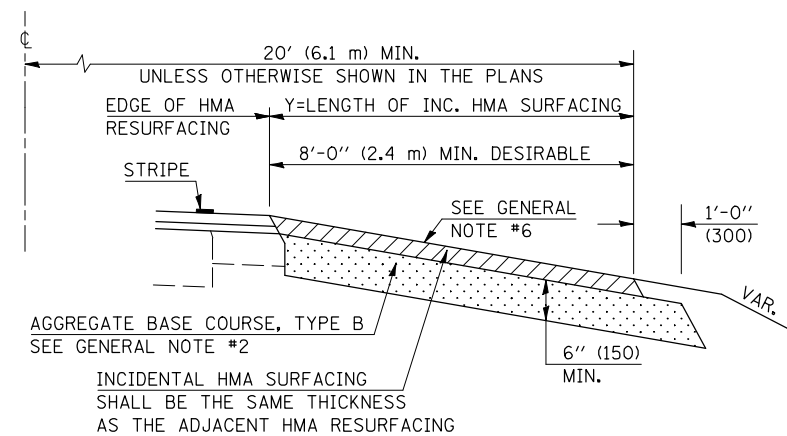
1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED MAILBOX TURNOUTS. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ALL EXISTING MAILBOX TURNOUTS OR TO CONSTRUCT NEW MAILBOX TURNOUTS WHERE NONE NOW EXISTS.
3. ANY NECESSARY WORK BEHIND THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
4. THE TEMPORARY RELOCATION OF EXISTING MAILBOXES SHALL BE IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.
5. WHEN MORE THAN ONE RELOCATED MAILBOX IS INCLUDED IN A PARTICULAR LOCATION THE TWO 10' (3 m) DIMENSIONS AS SHOWN ABOVE SHALL BE FROM THE END MAILBOX.
6. CROSS SLOPE SHALL BE AS SHOWN ON THE STATION CROSS SECTIONS AND/OR AS DIRECTED BY THE ENGINEER. MINIMUM 4% (1/2"/') DESIRABLE; MAXIMUM 8% (1"/').
7. WHEN MAILBOX TURNOUTS ARE CONSTRUCTED ADJACENT TO FIELD ENTRANCES, THE WIDTH OF THE INCIDENTAL HMA SURFACING CONSTRUCTED FOR THE FIELD ENTRANCE SHALL MATCH THE WIDTH OF THE PROPOSED MAILBOX TURNOUT SURFACING.
8. THE TOTAL SHOULDER WIDTH, 2.4 m (8') MINIMUM, SHALL BE PAVED BETWEEN SIDEROADS ENTRANCES AND/OR MAILBOX TURNOUTS AT LOCATIONS WHERE THE DISTANCE BETWEEN RADIUS OR TAPER CONTROL POINTS IS LESS THAN 15.0 m (50').
9. MAILBOXES SHALL BE MOUNTED SUCH THAT THE FACE OF THE MAILBOX IS 6" (150 mm) TO 12" (300 mm) AND THE POST A MINIMUM OF 24" (600 mm) FROM THE EDGE OF THE TURNOUT SURFACING.

# PROJECTS WITH RECONSTRUCTION

("3R" IMPROVEMENTS)



WIDTH OF SHOULDER	4'-0" - 8'-0" (1.2 m - 2.4 m)	10'-0" (3.0 m)
WIDTH OF TURNOUT "Y"	8'-0" (2.4 m)	8'-0" - 10'-0" (2.4 m - 3.0 m)



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

## DISTRICT 5 DETAIL NO. 40800050B

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 12/11/06 TJB
ct:\pw\work\PIWID01\PIERSONBR\d0107117\90514details.dgn		DRAWN -	REVISED - 09/21/07 KAG
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

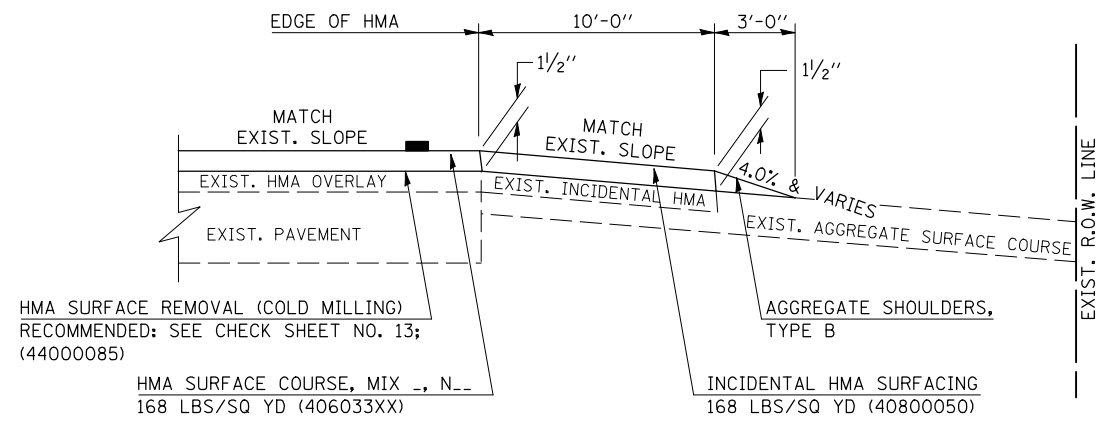
MAILBOX TURNOUT (RURAL)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	33
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90914	

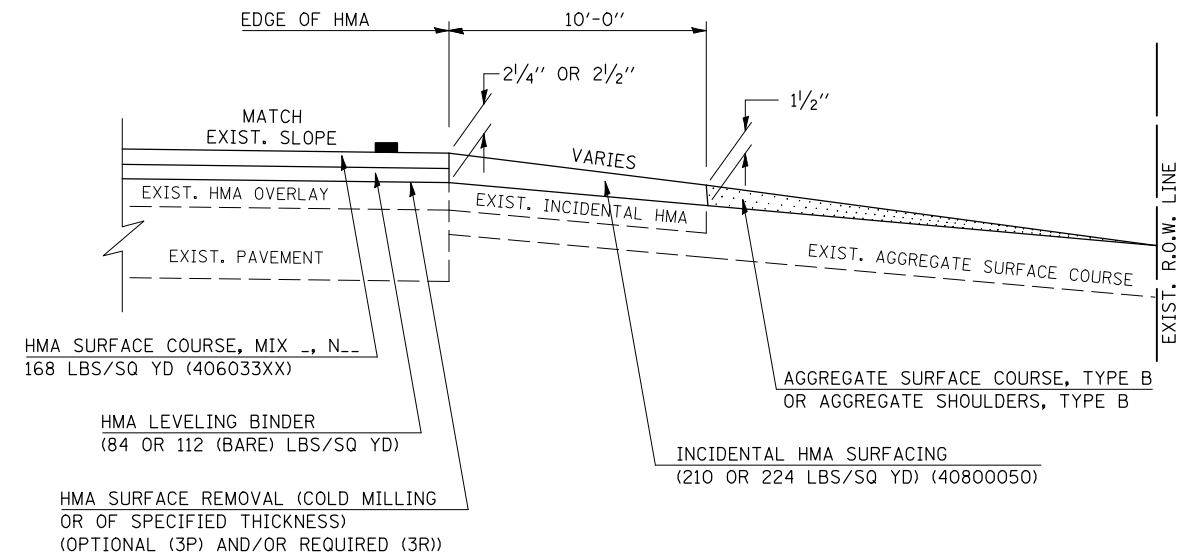
# PROJECTS WITHOUT RECONSTRUCTION

## S.M.A.R.T. IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.03; 1/2")

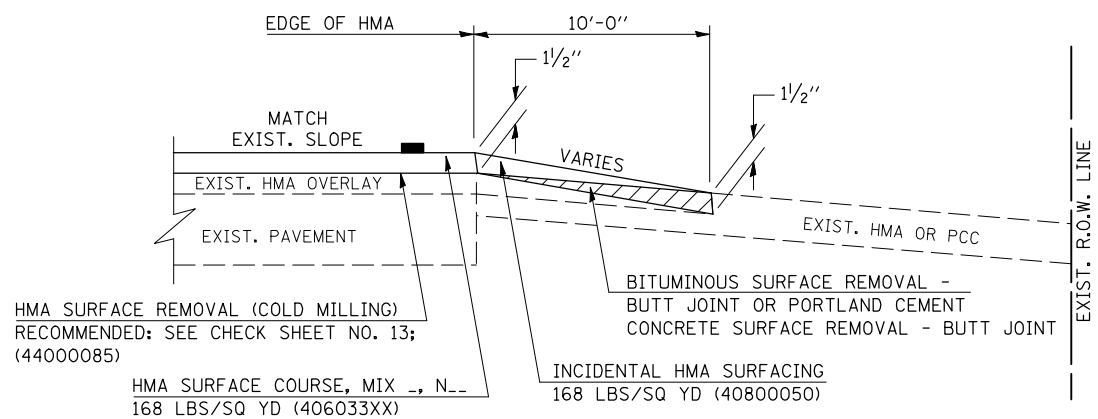


EXISTING AGGREGATE ENTRANCE

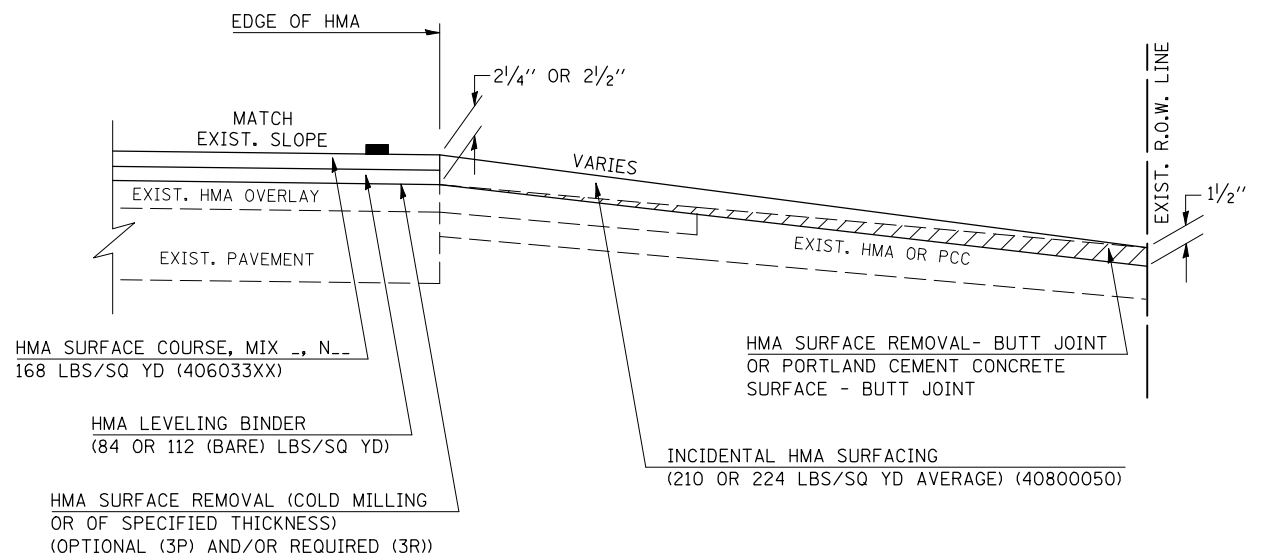
## "3P" OR "3R" IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.02; 2 1/4" OR 2 1/2" ON BARE CONCRETE)



EXISTING AGGREGATE ENTRANCE



EXISTING HMA OR PCC ENTRANCE



EXISTING HMA OR PCC ENTRANCE

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

### DISTRICT 5 DETAIL NO. 40800050C

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 12/08/06 TJB
ct\pw\work\PIWIDOT\PIERSONBR\d0107117\90514details.dgn		DRAWN -	REVISED - 09/21/07 KAG
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2009	DATE -	REVISED -

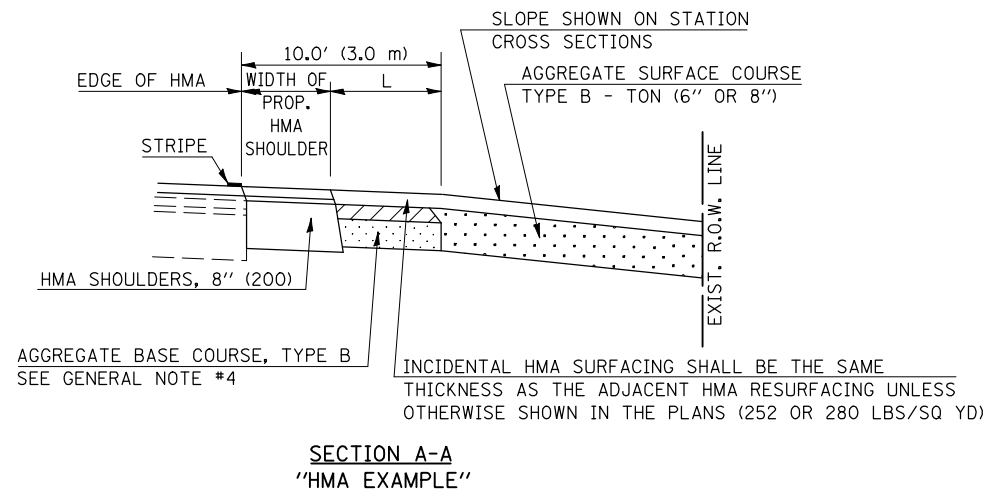
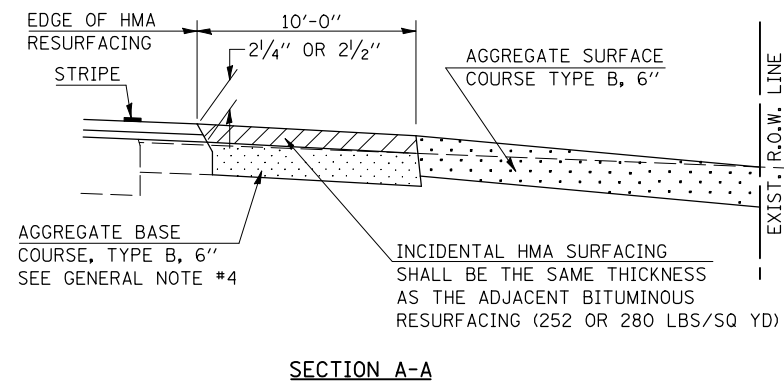
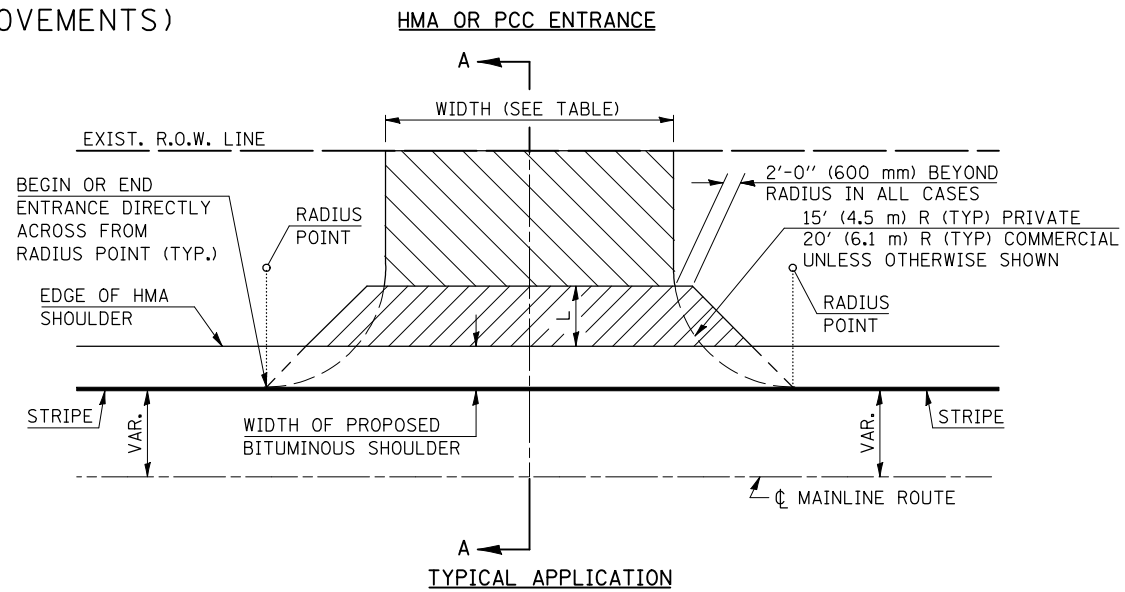
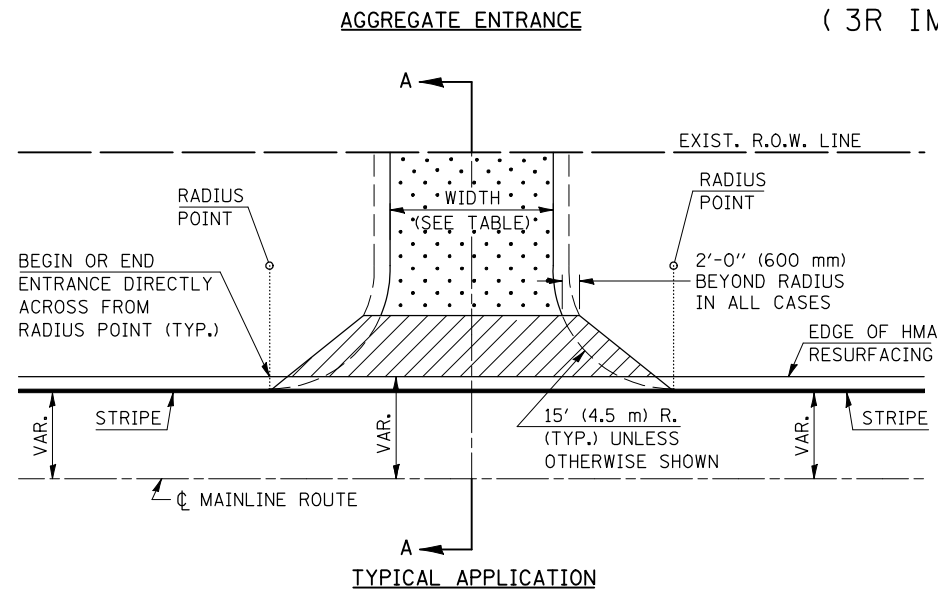
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PRIVATE AND COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)			
SCALE: NA	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	34
CONTRACT NO. 90914				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# PROJECTS WITH RECONSTRUCTION

( 3R IMPROVEMENTS )



## GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 AND 40-11 ALONG WITH DISTRICT CONSTRUCTION MEMORANDUM 03/14 DISCUSS THIS PROCEDURE.

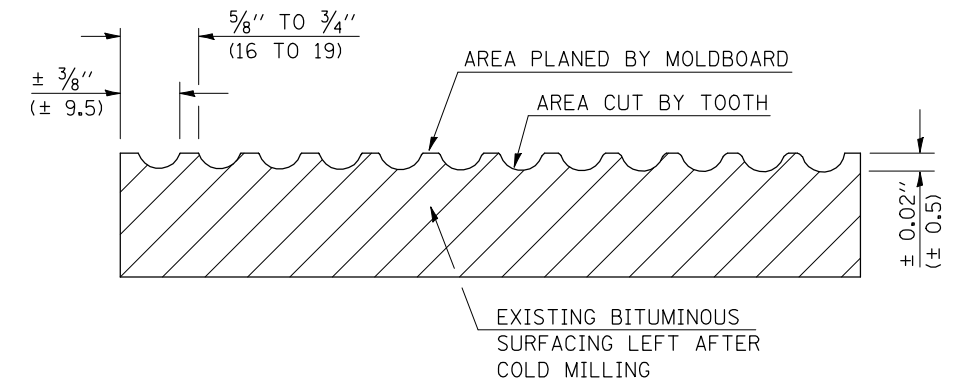
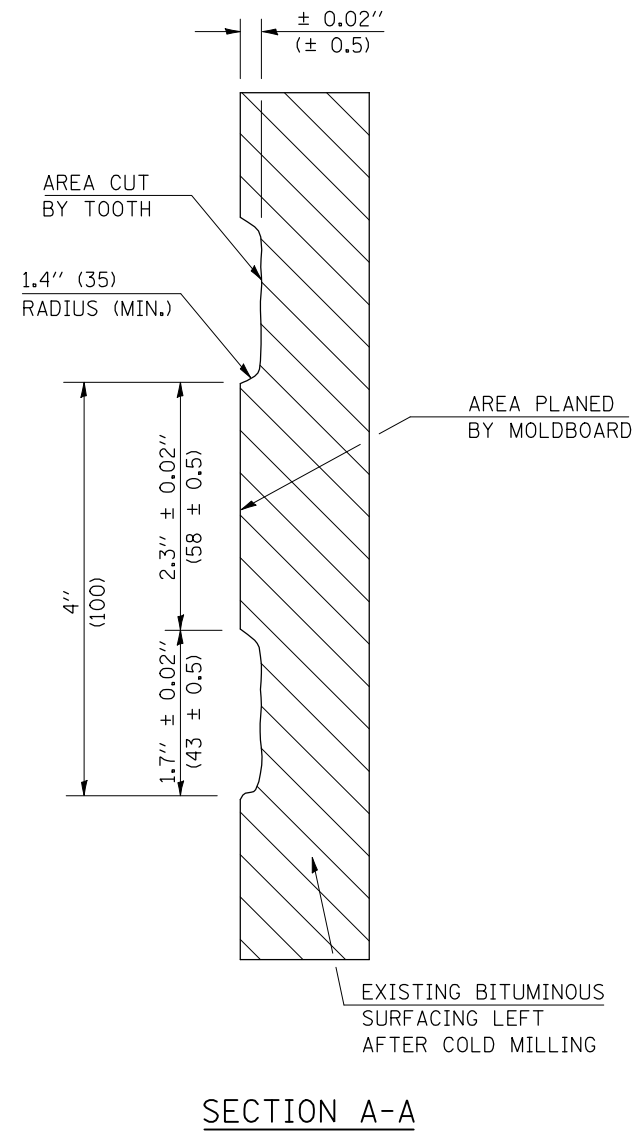
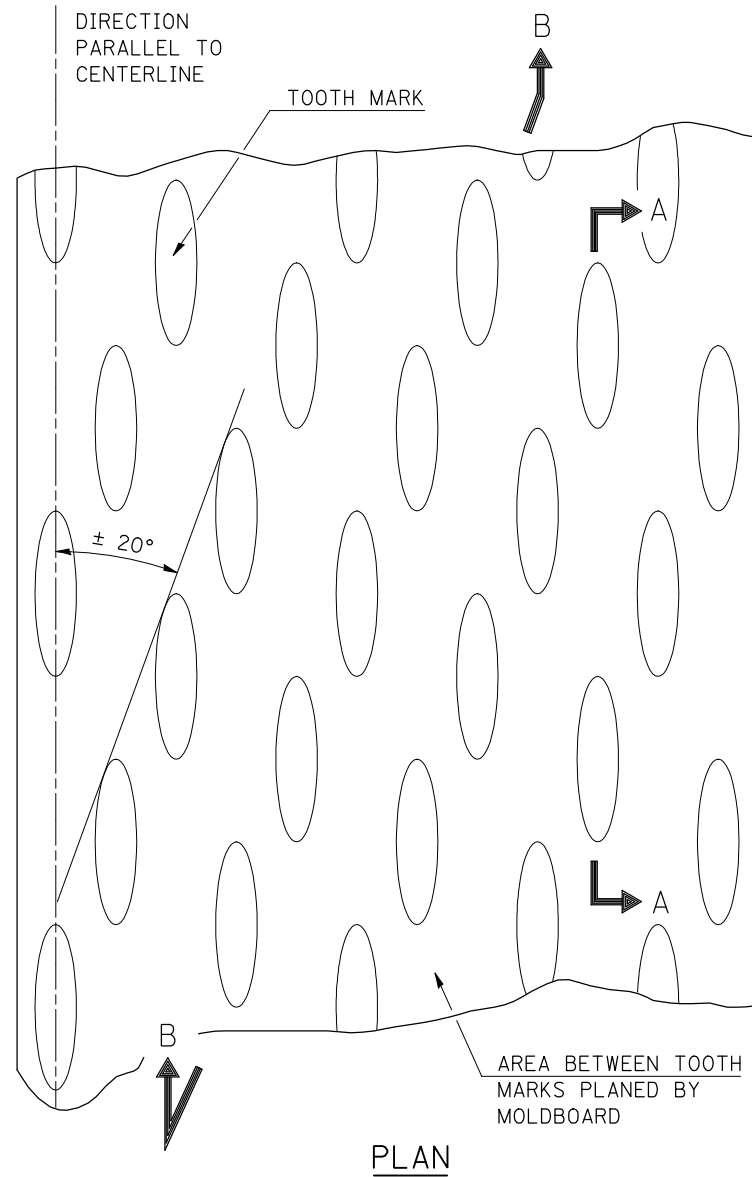
RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)														
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with RECONSTRUCTION									3R w/out RECONSTRUCTION, 3P, SMART & CM				
	NONCOMMERCIAL						COMMERCIAL			NONCOMMERCIAL			COMMERCIAL	
	PRIVATE & FIELD			FIELD W/ FARM IMPLEMENTS			min.	des.	max.	PRIVATE & FIELD		COMMERCIAL		
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.
SURFACE WIDTH (FT)	12	16	24	24	30	1 LANE, 1 WAY						1 LANE, 1 WAY		
						14	16	24				2 LANE, 2 WAY		
RADIUS (FT)	15	25	40	30		20	30	50	resurface existing configuration; existing hma or pcc entrances shall have "butt joints" constructed; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them					
SHOULDER WIDTH (FT)	2	2		2		1	3							
SHOULDER SLOPE (%)	2	4	6	4		2	4	6						
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10						
SIDE SLOPE (FT)	1:4	1:6	1:10	1:4	1:6	1:4	1:6	1:10						
<b>SURFACE TYPE</b>														
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" for "butt joints" and to minimize aggregate shoulder					
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02					
PCC DRIVEWAY PAVEMENT (INCH)		6							6 or 8					

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

## DISTRICT 5 DETAIL NO. 4080050C

FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED - 12/08/06 TJB	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PRIVATE AND COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et\pwork\pwork\PIERSONBR\d0107117\90514details.dgn		DRAWN -	REVISED - 09/21/07 KAG			711	116RS-3	VERMILION	51	35	
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 90914					
PLOT DATE = 1/29/2009		DATE -	REVISED -			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

## REQUIRED SURFACE TEXTURE



### NOTES

1. COLD MILLING SHALL CONSIST OF TWO PROCESSES: CUTTING WITH CARBIDE TEETH MOUNTED ON A ROTATING DRUM, AND PLANING WITH A MOLDBOARD MOUNTED IMMEDIATELY BEHIND THE CUTTING DRUM.
2. OTHER SIMILAR PATTERNS WILL BE ACCEPTABLE IF THEY CONSIST OF A SMOOTH, FLAT, PLANED SURFACE INTERSPERSED WITH A PATTERN OF DISCONTINUOUS LONGITUDINAL STRIATIONS.
3. FOR BASIS OF PAYMENT SEE RECURRING SPECIAL PROVISION "HOT-MIX ASPHALT SURFACE REMOVAL (COLD MILLING)", CHECK SHEET #13.

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

### DISTRICT 5 DETAIL NO. 4400080

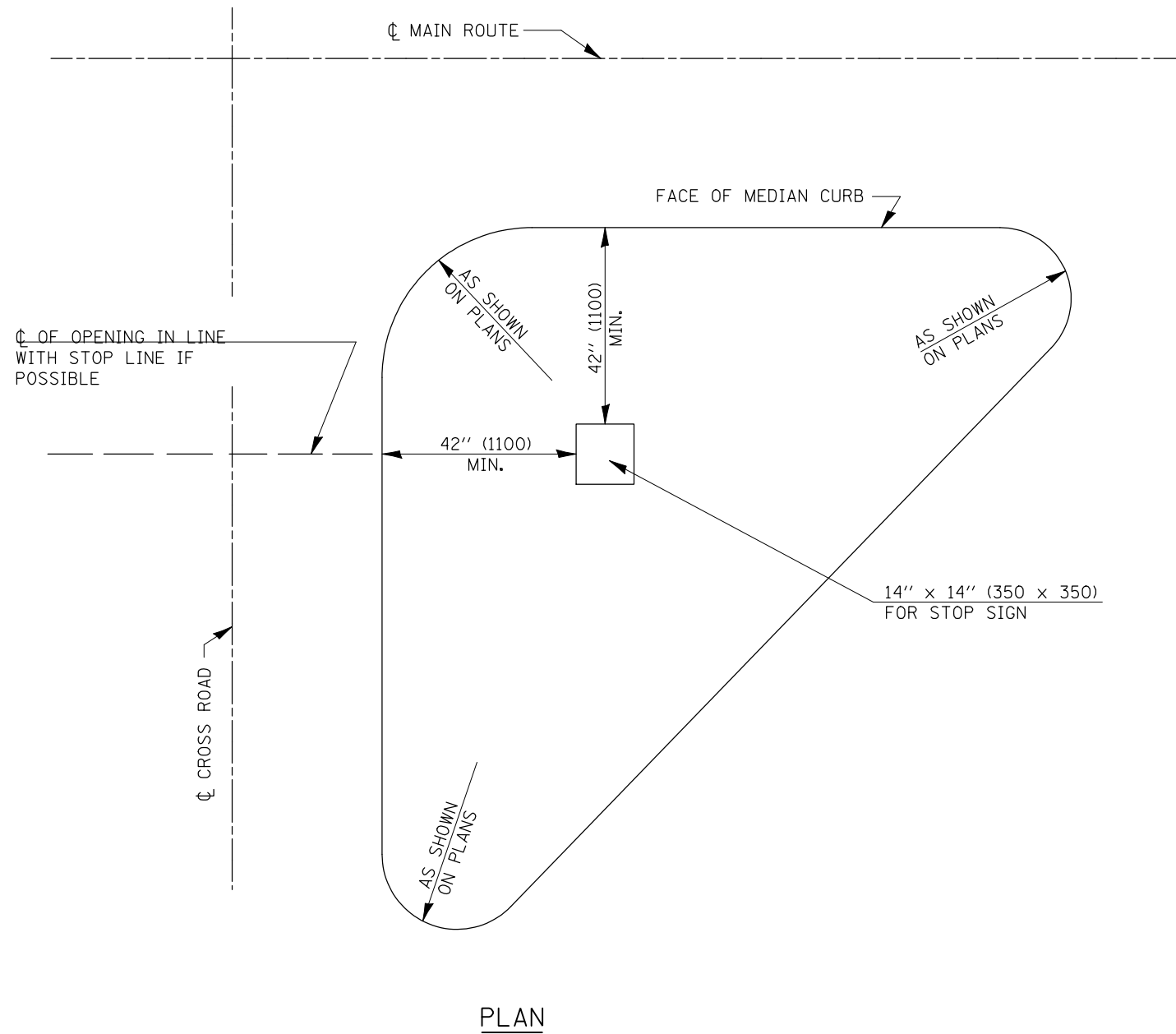
FILE NAME =	USER NAME = ptersonbr	DESIGNED -	REVISED - 11/06
ct:\pw\work\PIWIDOT\PIERSONBR\d0107117\90914details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**HOT-MIX ASPHALT SURFACE REMOVING (COLD MILLING)**

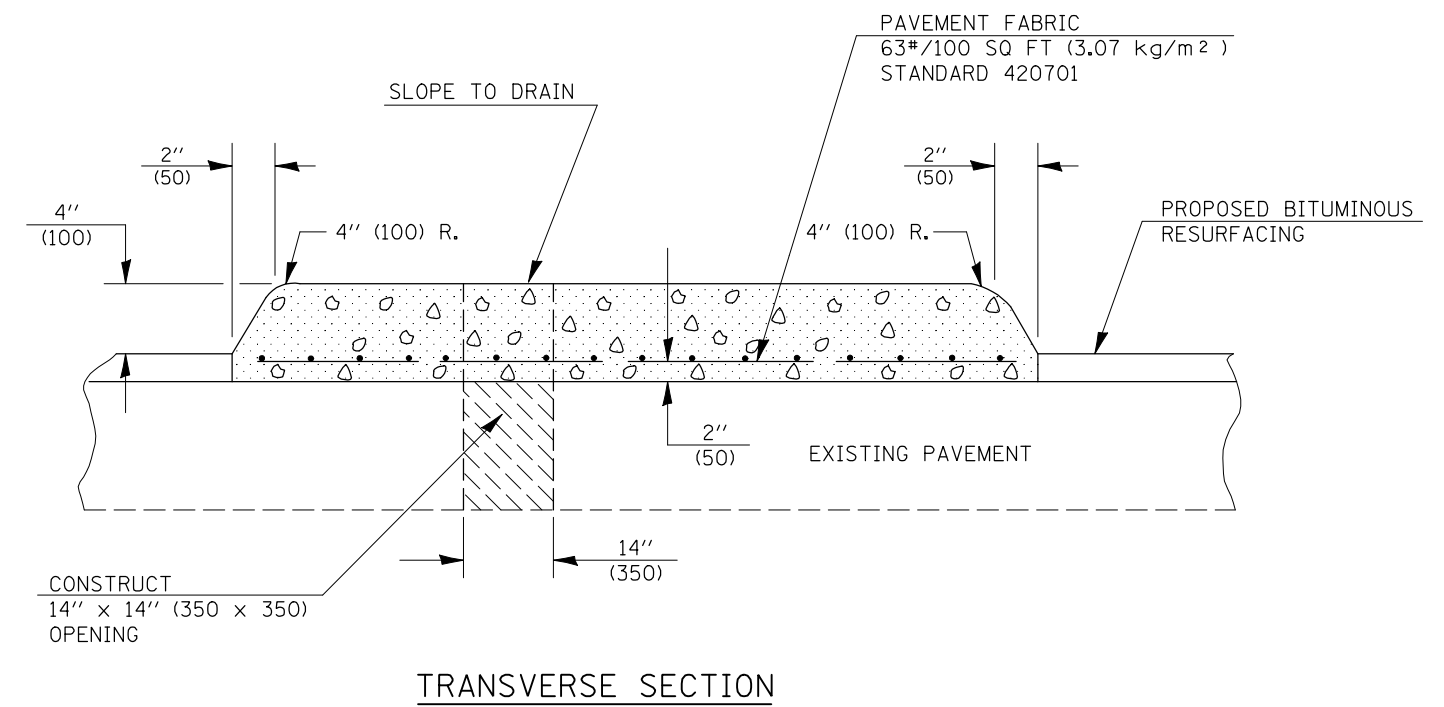
SCALE:      SHEET NO.    OF    SHEETS    STA.                    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	36
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90914	



**GENERAL NOTES**

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ. FT. (m<sup>2</sup>) FOR CONCRETE MEDIAN, TYPE SM, WHICH PRICE SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING THE PAVEMENT FABRIC, AND THE REMOVAL AND DISPOSAL OF THE EXISTING PAVEMENT FOR THE 14" x 14" (350 x 350) OPENING.



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

**DISTRICT 5 DETAIL NO. 60621600**

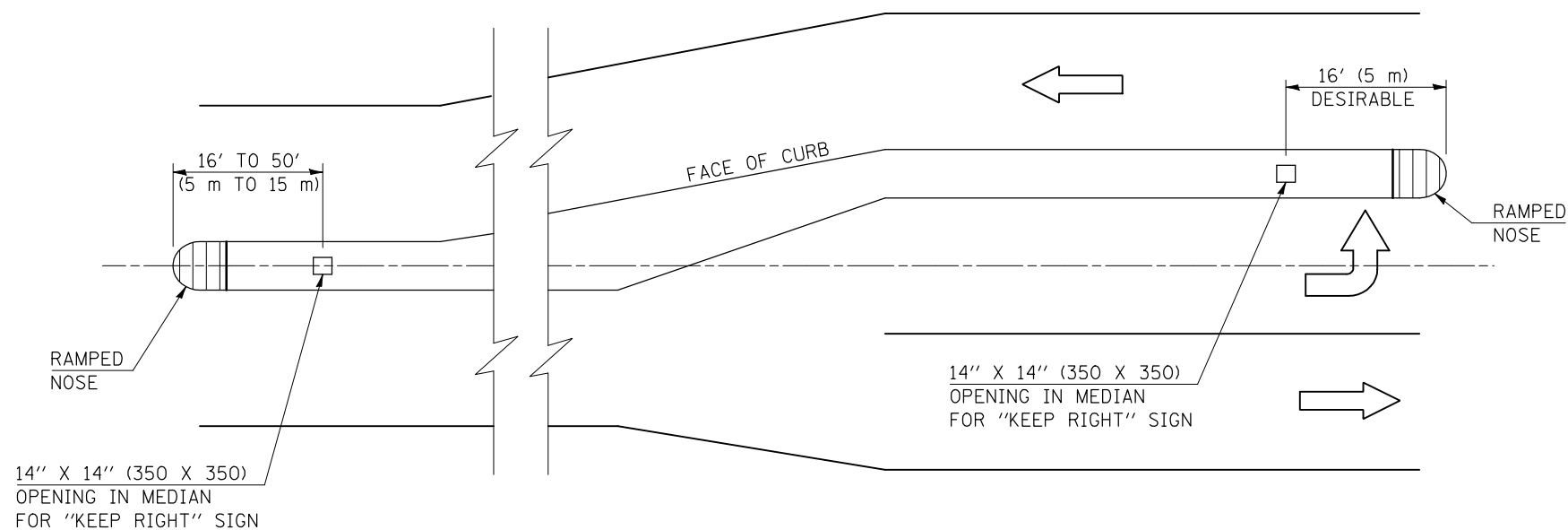
FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED - 11/06
ct\pw\work\PWIDOT\PIERSONBR\d0107117\90914details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONCRETE MEDIAN, TYPE SM**

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

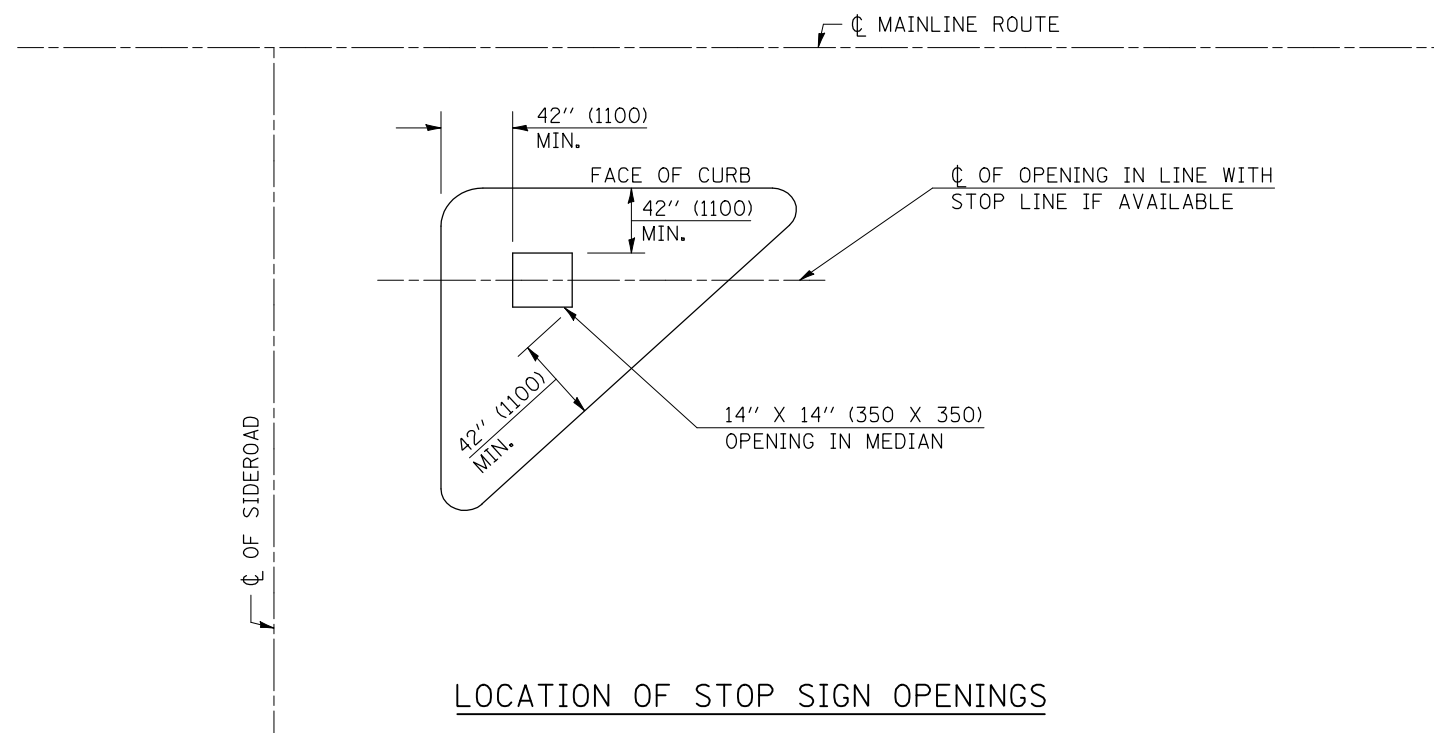
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	37
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90914	



LOCATION OF OPENINGS FOR "KEEP RIGHT" SIGNS

GENERAL NOTES

1. ALL SMALL ISLANDS SHALL BE CONSTRUCTED WITH THE STOP SIGN ISLANDS AS SHOWN, UNLESS OTHERWISE SPECIFIED.
2. OPENINGS FOR SIGNS IN MEDIANS SHALL BE AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE TYPE OF MEDIAN SPECIFIED IN THE PLANS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



LOCATION OF STOP SIGN OPENINGS

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

DISTRICT 5 DETAIL NO. 60623711

FILE NAME =	USER NAME = ptersonbr	DESIGNED -	REVISED - 11/06
ct\pw\work\PWIDOT\PIERSONBR\d0107117\90514details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2009	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGN POST BLOCKOUTS

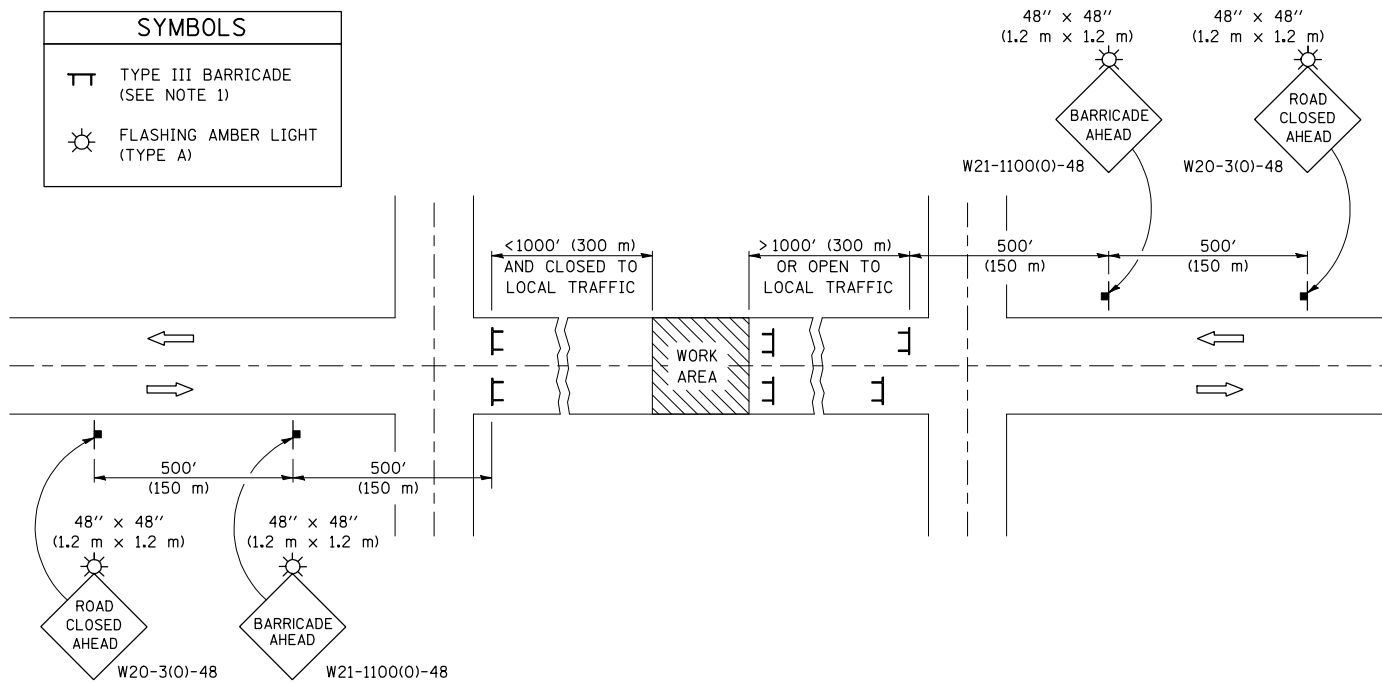
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	38
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90914	

# ROAD CLOSURE

# SIDEROAD / STREET CLOSURE

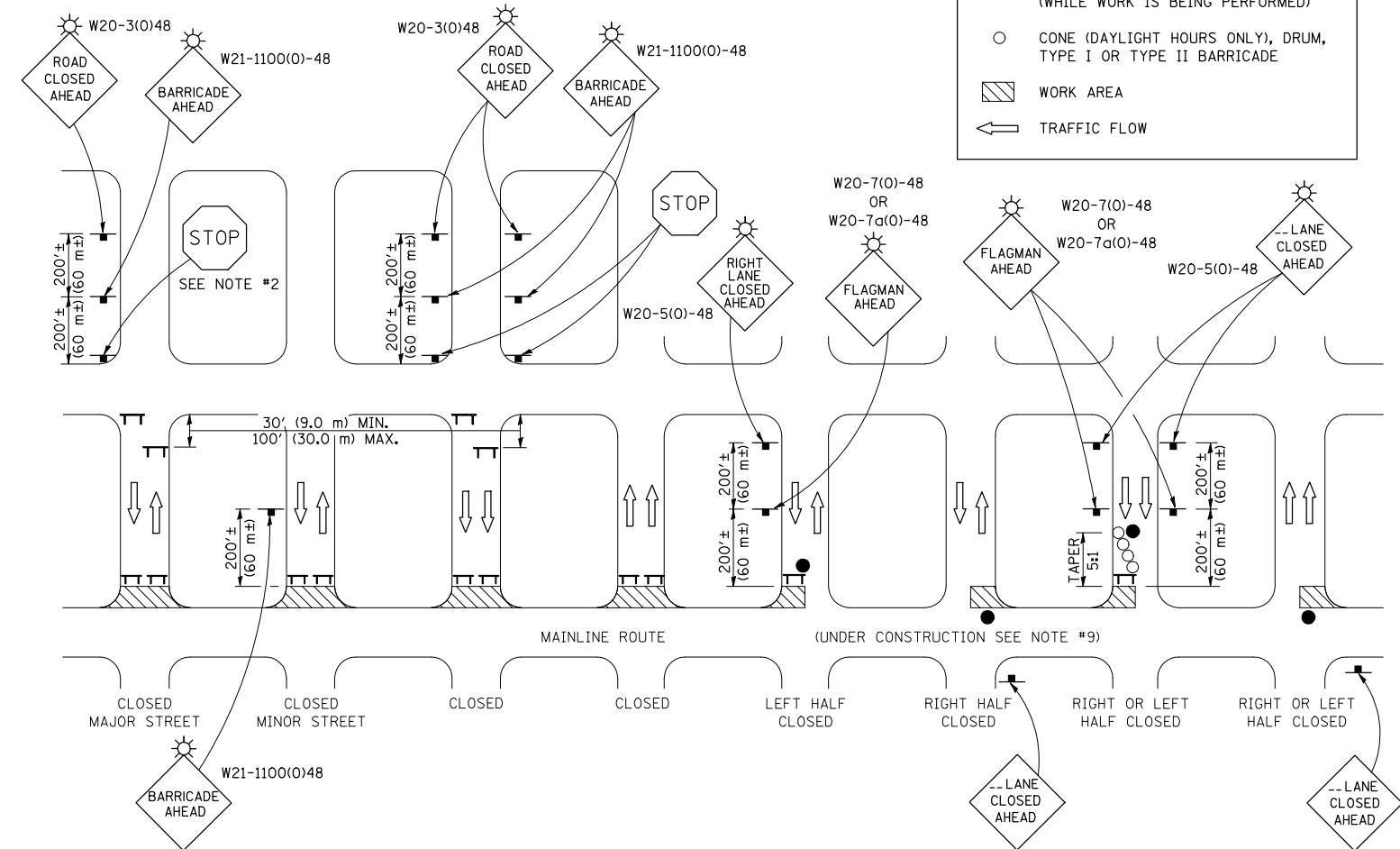
SYMBOLS	
	TYPE III BARRICADE (SEE NOTE 1)
	FLASHING AMBER LIGHT (TYPE A)



### GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
- WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
- REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TY III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT. 725 AND BT. 726 ARE REQUIRED.
- WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
- AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

SYMBOLS	
	TYPE III BARRICADE (SEE NOTE)
	FLASHING LIGHT
	FLAGGER WITH TRAFFIC CONTROL SIGN (WHILE WORK IS BEING PERFORMED)
	CONE (DAYLIGHT HOURS ONLY), DRUM, TYPE I OR TYPE II BARRICADE
	WORK AREA
	TRAFFIC FLOW



### GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT 725 AND BT 726 ARE REQUIRED.
- THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
- THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS PAY ITEMS INVOLVING THE RECONSTRUCTION OF ALL APPLICABLE SIDE STREETS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 11/06
ct:\pw\work\PIWIDOT\PIERSONBR\d0107117\90914\details.dgn		DRAWN -	REVISED - 12/07
		CHECKED -	REVISED -
		DATE -	REVISED -

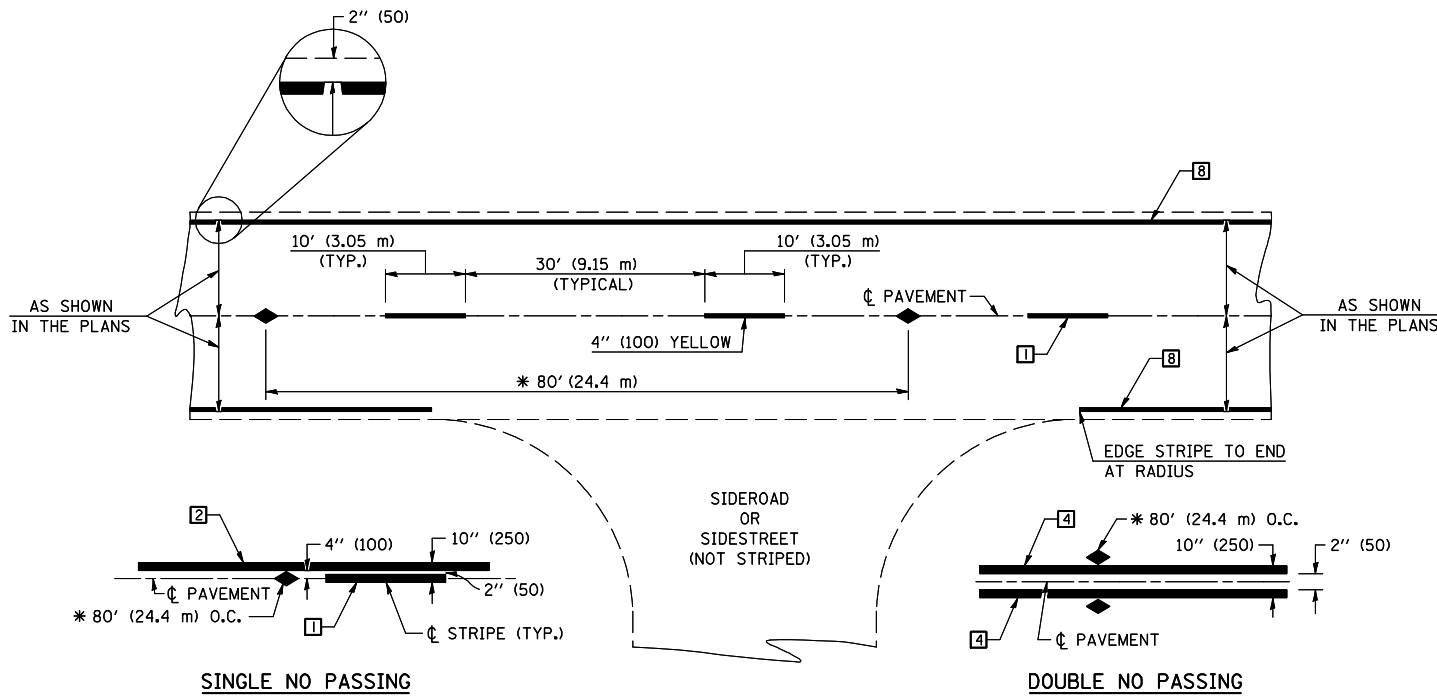
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL & PROTECTION DEVICES  
(ROAD & SIDEROAD/STREET CLOSURES)

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

DISTRICT 5 DETAIL NO. 7020000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	39
CONTRACT NO. 90914				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



\* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

**TWO LANE/TWO WAY**

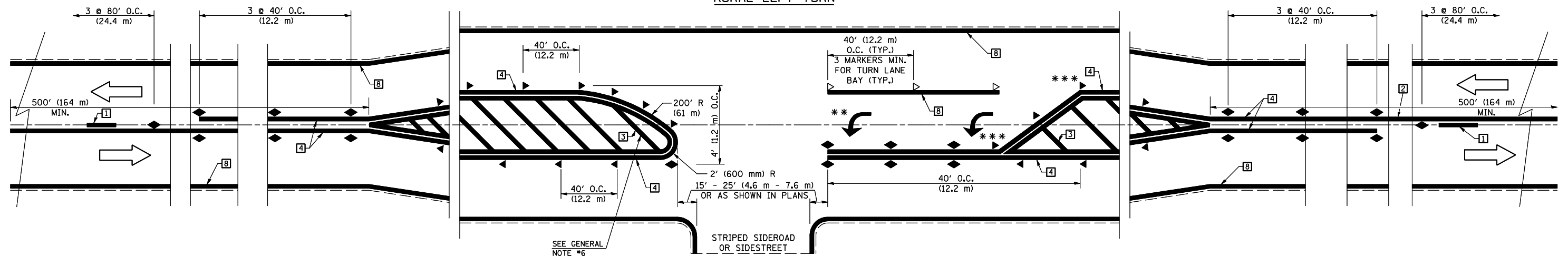
**TYPICAL PAVEMENT MARKING LEGEND**

- 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)
- 14 4" (100) PARKING WHITE

**TYPICAL PAVEMENT MARKERS LEGEND**

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

**RURAL LEFT TURN**



\*\*\* REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

\*\* TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

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

**DISTRICT 5 DETAIL NO. 7800AAA**

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 11/06
et\pw\work\PIWIDOT\PIERSONBR\d0107117\90914details.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

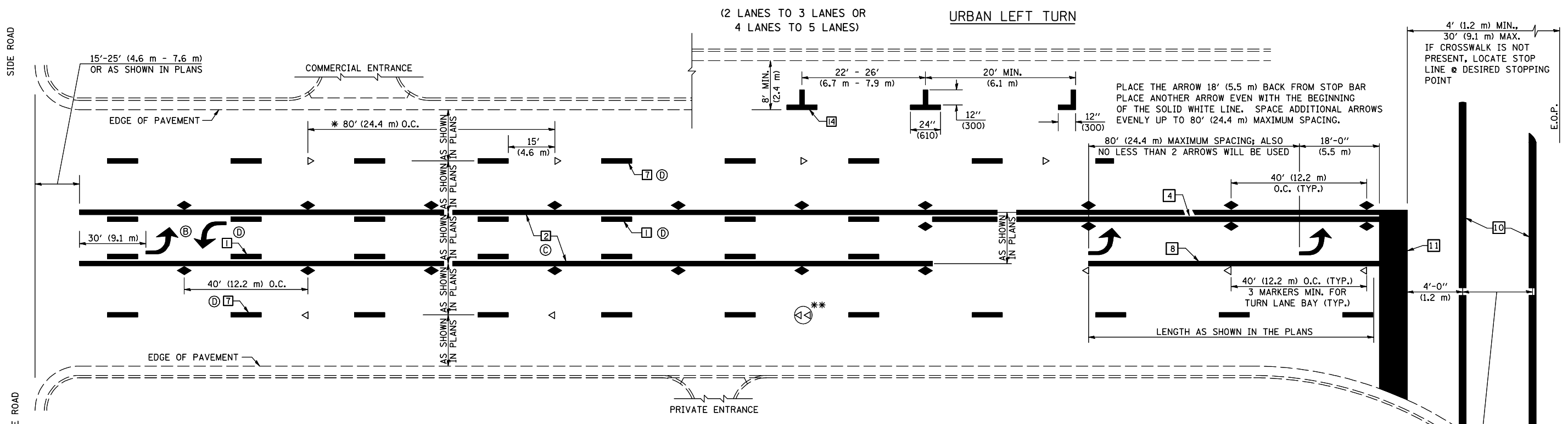
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS  
(RURAL & URBAN APPLICATIONS)**

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	40
CONTRACT NO. 90914				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



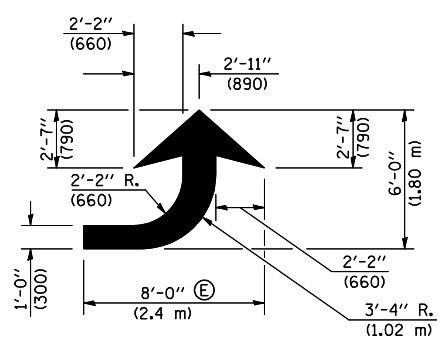


\* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

\*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

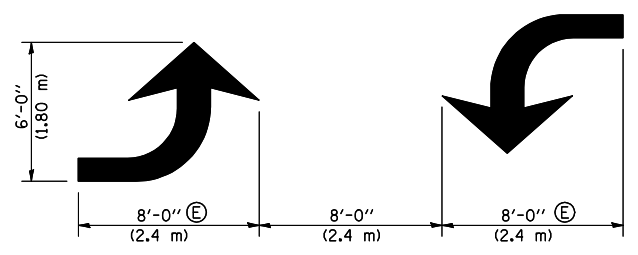
**GENERAL NOTES:**

- ⓑ 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.
- ⓒ 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.
- ⓓ 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.
- ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



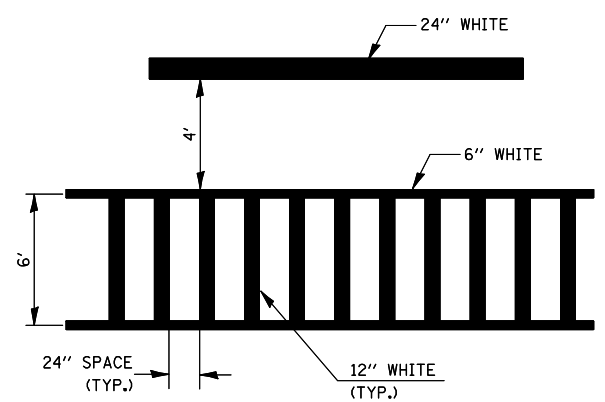
**LEFT ARROW**

REVERSE FOR RIGHT ARROW  
AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>)  
(WHITE)

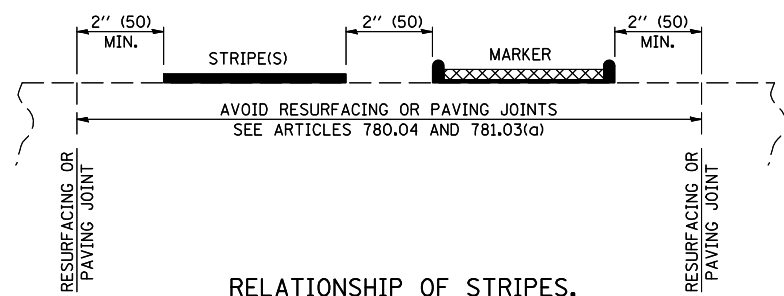


**TYPICAL DOUBLE TURN ARROWS (WHITE)**

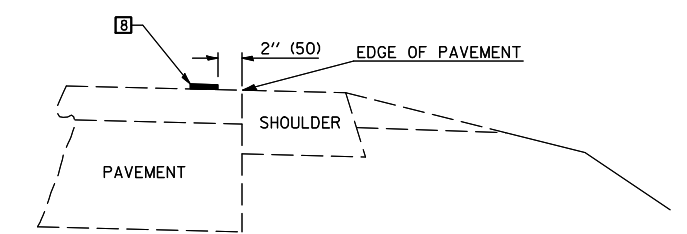
**BLOOMINGTON-NORMAL CITY LIMITS ONLY**



**TYPICAL SPACING FOR CROSSWALKS & STOP BARS**



**RELATIONSHIP OF STRIPES, MARKERS AND JOINTS**

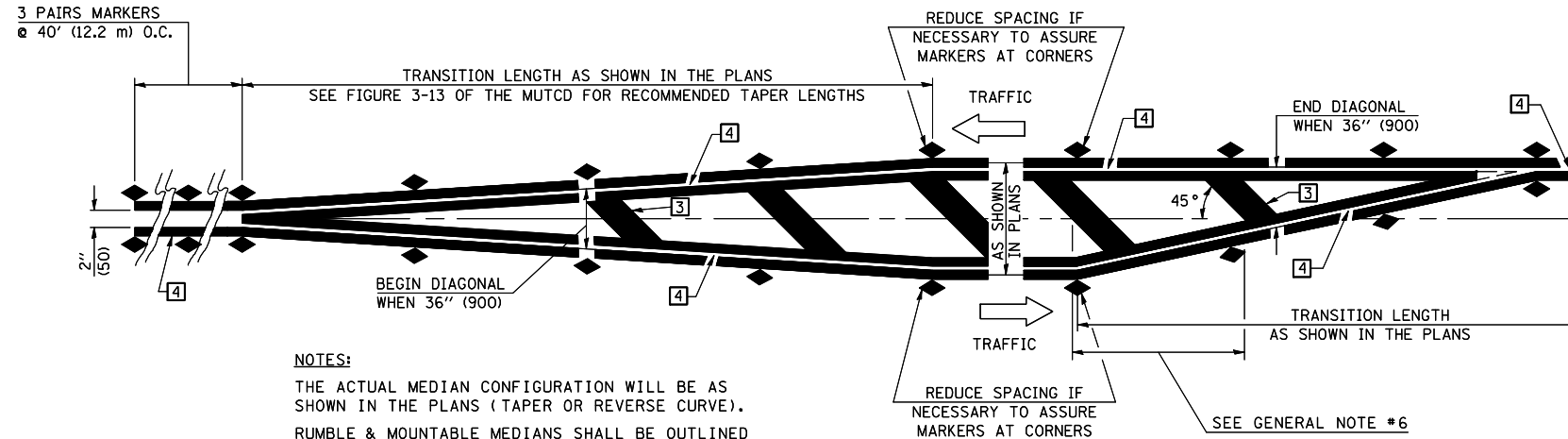


**RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT (SAFETY SHOULDER OR PAVED SURFACE) SEE ARTICLE 780.04**

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

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

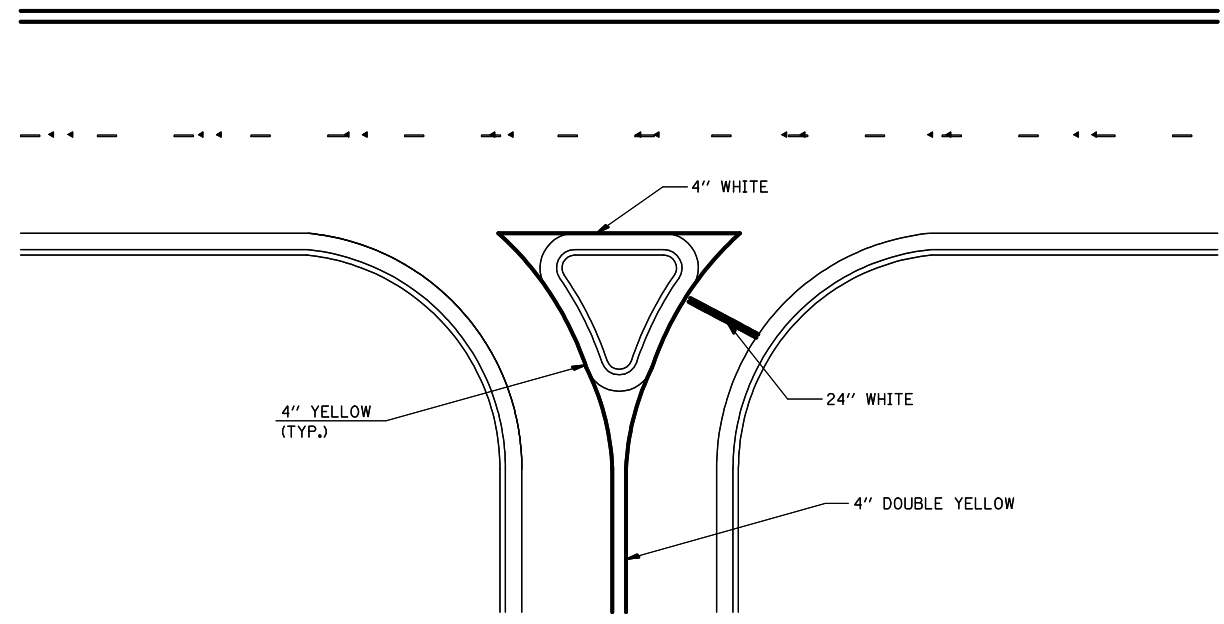
FILE NAME =		USER NAME = piersonbr		DESIGNED -		REVISED - 11/06		<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>PAVEMENT MARKING AND MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>																				
c:\pw\work\PIWIDOT\PIERSONBR\d0107117\90914details.dgn		DRAWN -		REVISED -		REVISED -																								
PLOT SCALE = 40.0000' / IN.		CHECKED -		REVISED -		REVISED -																								
PLOT DATE = 1/29/2009		DATE -		REVISED -		REVISED -																								
SCALE:		SHEET NO. 2 OF 4 SHEETS		STA.		TO STA.		<table border="1" style="width: 100%;"> <tr> <th colspan="4" style="text-align: center;">DISTRICT 5 DETAIL NO. 7800AAA</th> </tr> <tr> <td>F.A.P. RTE.</td> <td>SECTION</td> <td>COUNTY</td> <td>TOTAL SHEETS</td> <td>SHEET NO.</td> </tr> <tr> <td>711</td> <td>116RS-3</td> <td>VERMILION</td> <td>51</td> <td>41</td> </tr> <tr> <td colspan="2">FED. ROAD DIST. NO.</td> <td colspan="3">ILLINOIS FED. AID PROJECT</td> </tr> </table>				DISTRICT 5 DETAIL NO. 7800AAA				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	711	116RS-3	VERMILION	51	41	FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
DISTRICT 5 DETAIL NO. 7800AAA																														
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																										
711	116RS-3	VERMILION	51	41																										
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT																												



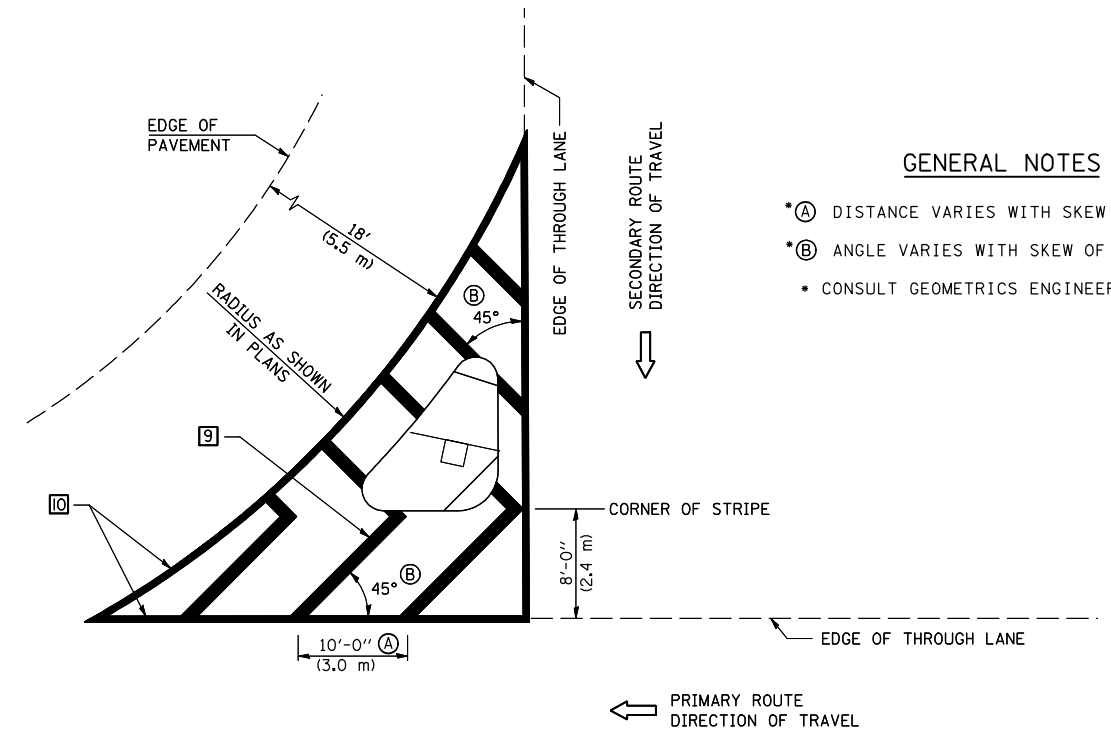
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. 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)



RIGHT IN - RIGHT OUT ACCESS



GENERAL NOTES

- \*A DISTANCE VARIES WITH SKEW OF INTERSECTION.
- \*B ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

ISLAND

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 11/06
ct:\pw\work\PIWIDOT\PIERSONBR\d0107117\90914\deta1s.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2009	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS  
(RURAL & URBAN APPLICATIONS)

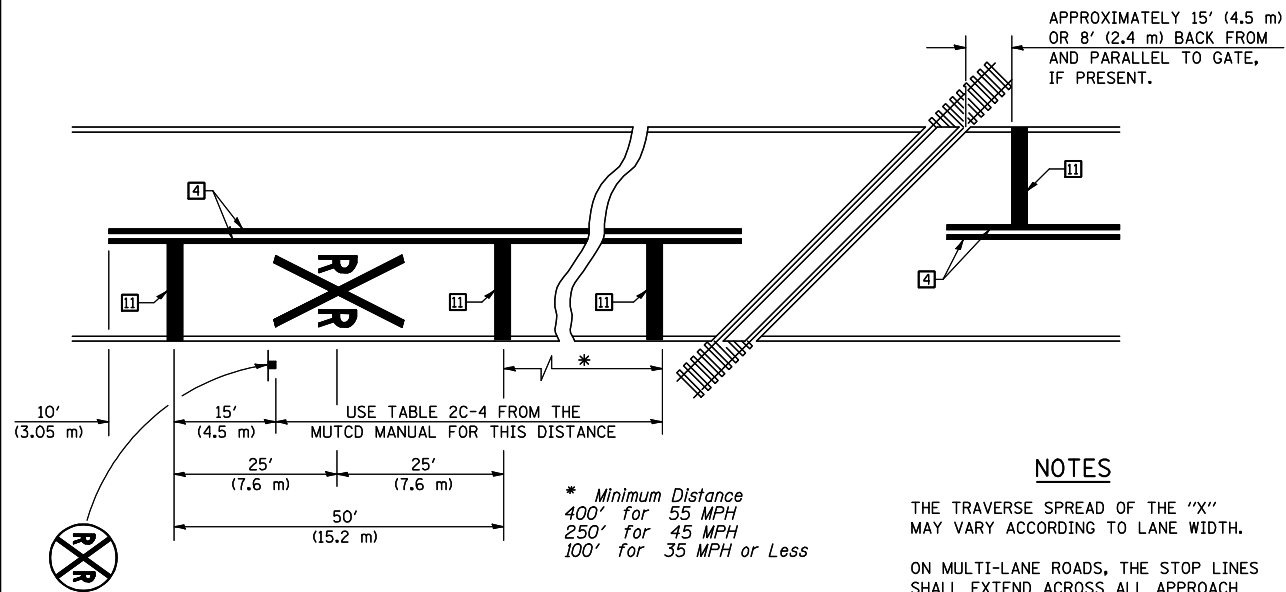
SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	42
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90914	

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

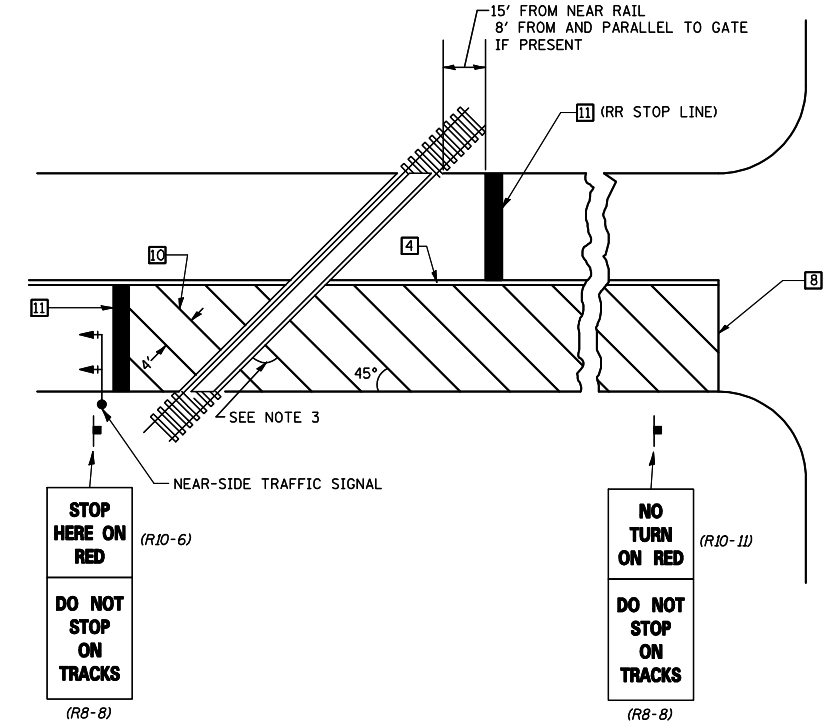
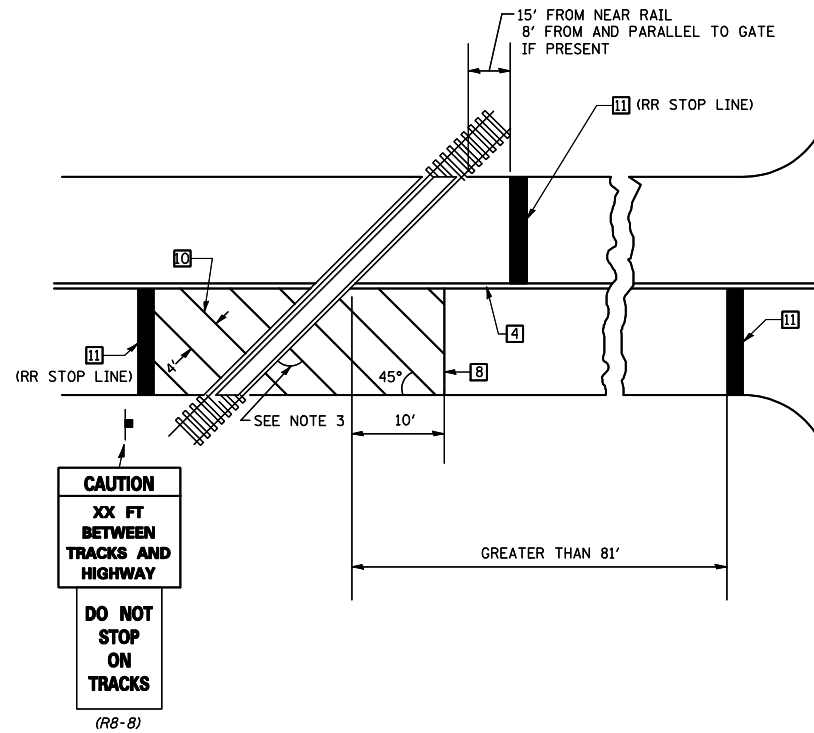
APPROXIMATELY 15' (4.5 m) OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

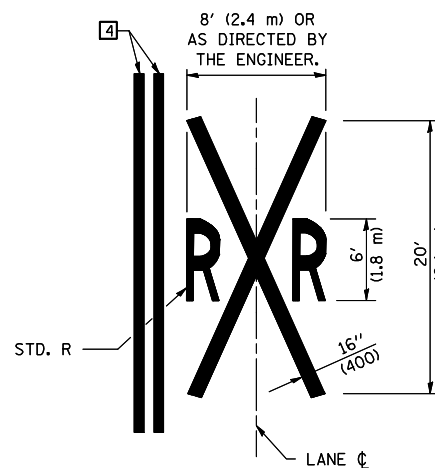
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

\* Minimum Distance  
400' for 55 MPH  
250' for 45 MPH  
100' for 35 MPH or Less



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING



GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

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

FILE NAME =	USER NAME = piersonbr	DESIGNED -	REVISED - 11/06
ce:\pw\work\PIWIDOT\PIERSONBR\d0107117\90914details.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

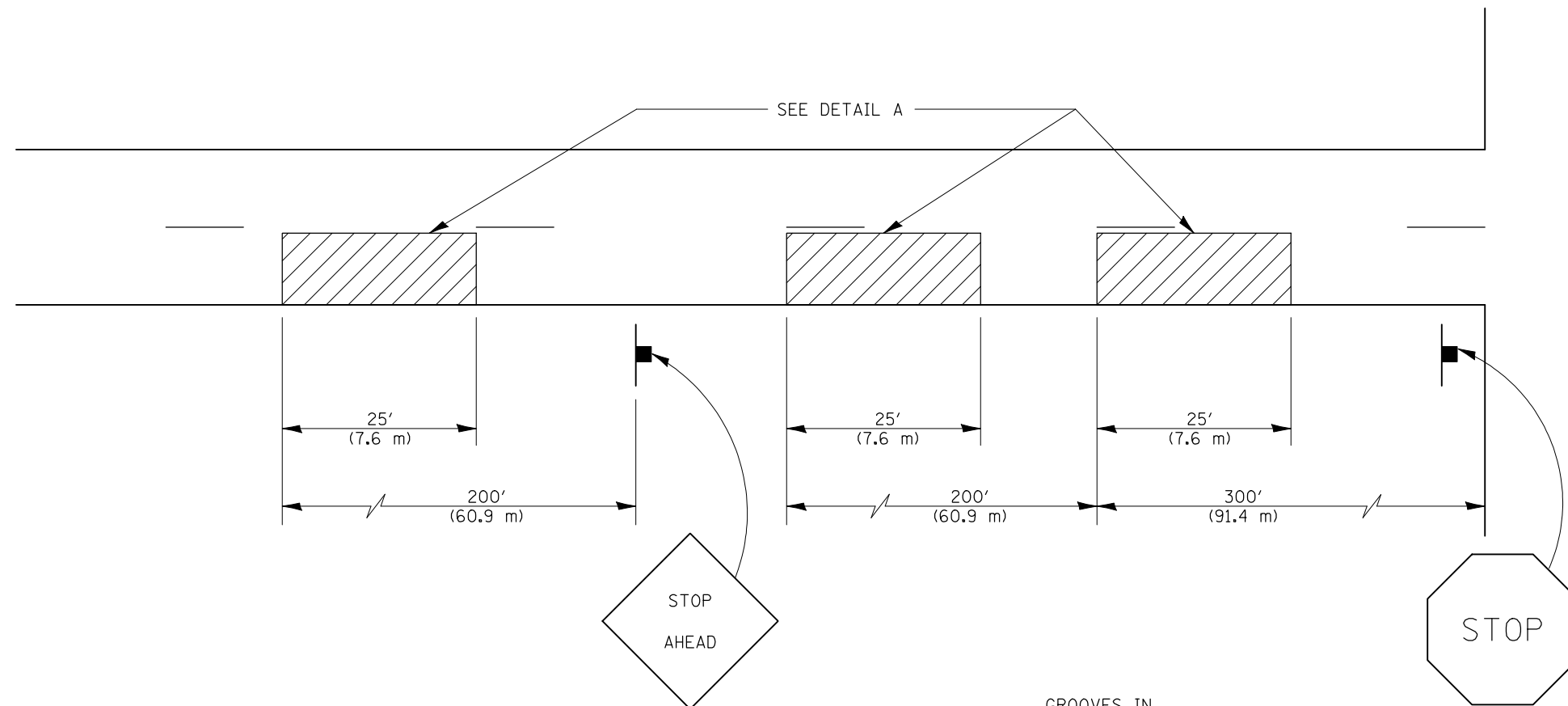
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS  
(RURAL & URBAN APPLICATIONS)

SCALE: SHEET NO. 4 OF 4 SHEETS STA. TO STA.

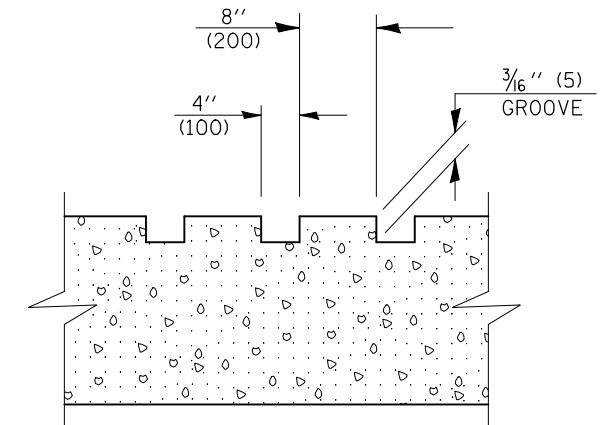
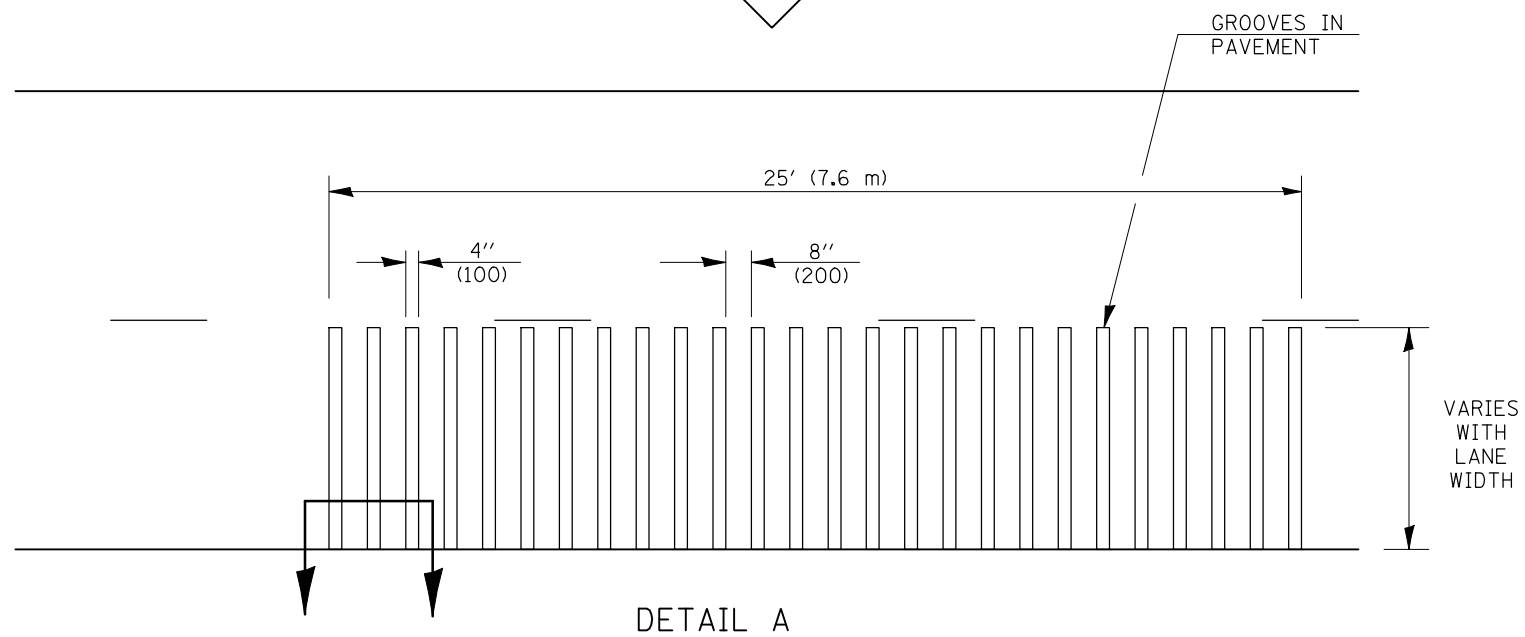
DISTRICT 5 DETAIL NO. 7800AAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	43
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90914	



**GENERAL NOTES**

1. ALL GROOVES SHALL BE CONSTRUCTED USING A 4" (100 mm) MILLING HEAD OR SERIES OF 4" (100 mm) MILLING HEADS CAPABLE OF CUTTING TO THE SPECIFIED DEPTH OR ANY VARIABLE DEPTH.
2. THIS WORK WILL BE MEASURED FOR PAYMENT PER EACH 25' (7.6 m) INDIVIDUAL RUMBLE STRIP APPLIED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR RUMBLE STRIP, WHICH PRICE SHALL INCLUDE ALL EQUIPMENT, MATERIAL, LABOR AND OTHER ITEMS REQUIRED TO INSTALL EACH INDIVIDUAL RUMBLE STRIP.
3. REMOVAL OF EXISTING RUMBLE STRIPS BY HMA MILLING TO BE INCLUDED IN THE COST OF THE RUMBLE STRIP PAY ITEM.



**SECTION A-A**

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

**DISTRICT 5 DETAIL NO. Z0055300**

FILE NAME =	USER NAME = ppersonbr	DESIGNED -	REVISED - 11/06
ct:\pw\work\PIWIDOT\PIERSONBR\d0107117\90514details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2009	DATE -	REVISED -

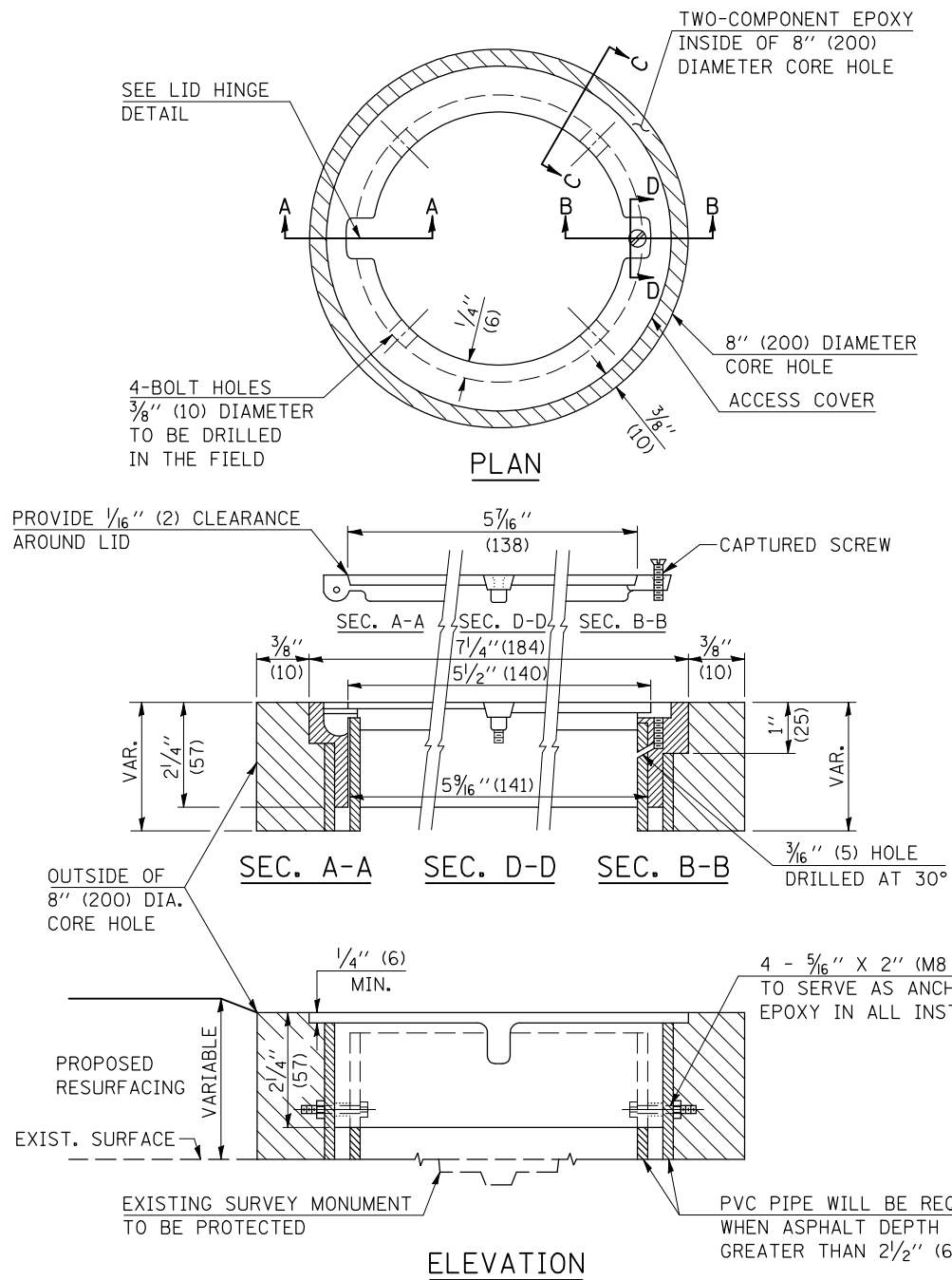
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RUMBLE STRIP (ADVANCE OF INTERSECTIONS)**

SCALE: SHEET NO. 11 OF 116 SHEETS STA. 116RS-3 TO STA.

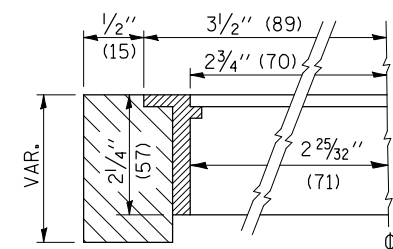
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
711	116RS-3	VERMILION	51	44
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90914	

TO BE INSTALLED IN ALL PAVEMENT TYPES FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S) AND LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)

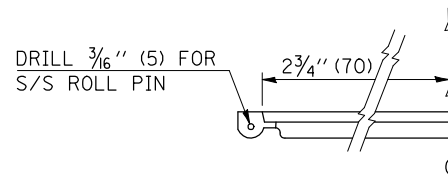


**LEGEND**

- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY



**SECTION C-C**



**LID HINGE DETAIL**

SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; Q0-A-601Es. NO EXCEPTIONS.

BILL OF MATERIAL	
ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 4 EACH - 5/16" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).	

**GENERAL NOTES**

1. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
2. THE SURVEY MONUMENT COVER ASSEMBLY SHALL BE CENTERED ABOVE THE SURVEY MONUMENT TO BE PROTECTED.
3. MODIFICATION OF THE ALUMINUM CASTING SHALL BE DONE BY GRINDING OR SAWING WHEN HEIGHT REDUCTION IS REQUIRED.
4. ALL SURVEY MONUMENT COVER ASSEMBLIES SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
5. ALUMINUM CASTING SHALL BE PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE WHEN AN INCREASE IN HEIGHT IS REQUIRED.
6. THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
7. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MONUMENT COVER ASSEMBLY WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING THE NEW PAVEMENT SURFACE AND EPOXY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

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

FILE NAME =	USER NAME = p1ersonbr	DESIGNED -	REVISED - 11/06
ct:\pw\work\PIWIDOT\PIERSONBR\d0107117\9014details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2009	DATE -	REVISED -

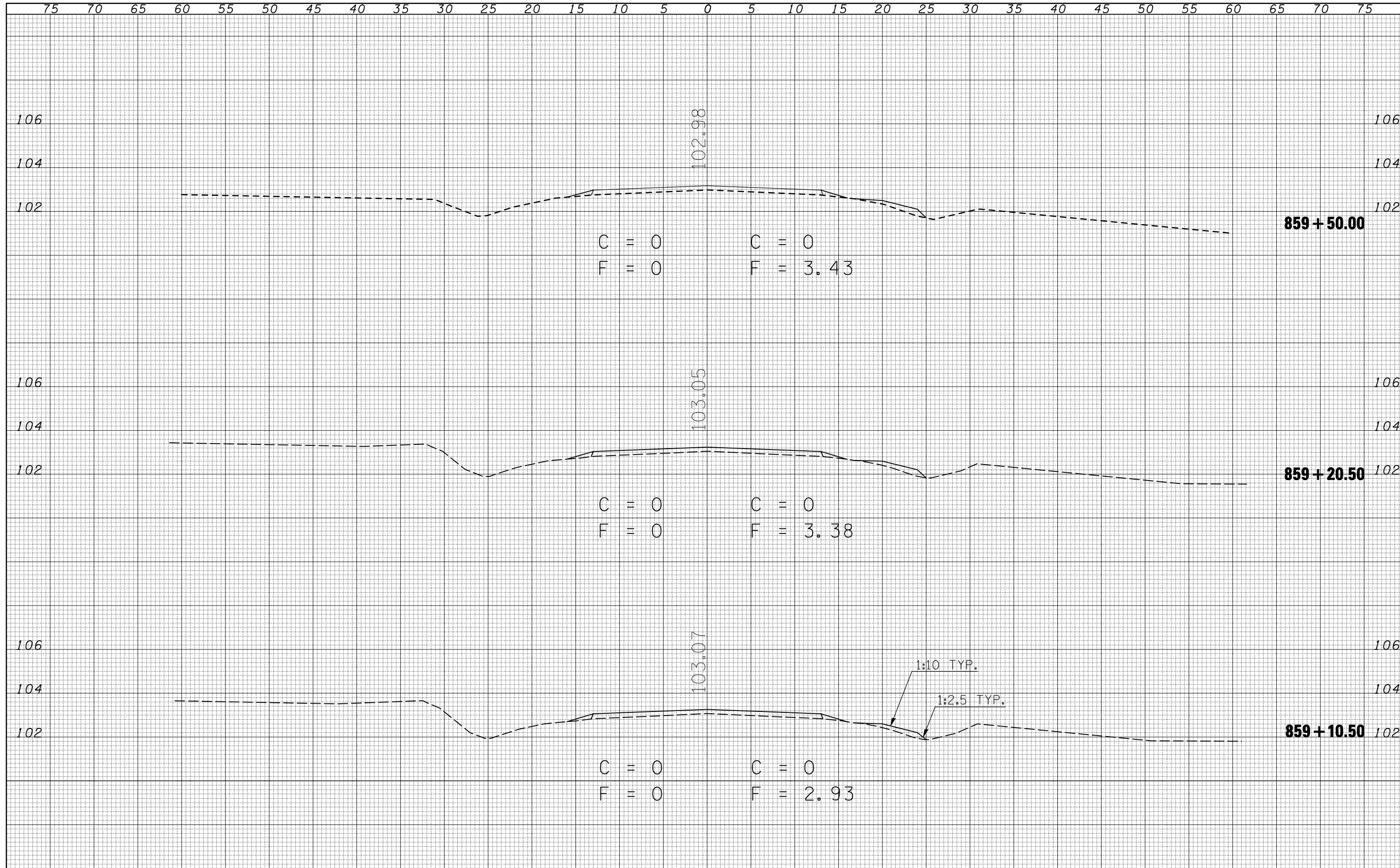
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SURVEY MONUMENT COVER ASSEMBLY</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

DISTRICT 5 DETAIL NO. Z0070100			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
711	116RS-3	VERMILION	51 45
			CONTRACT NO. 90914
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

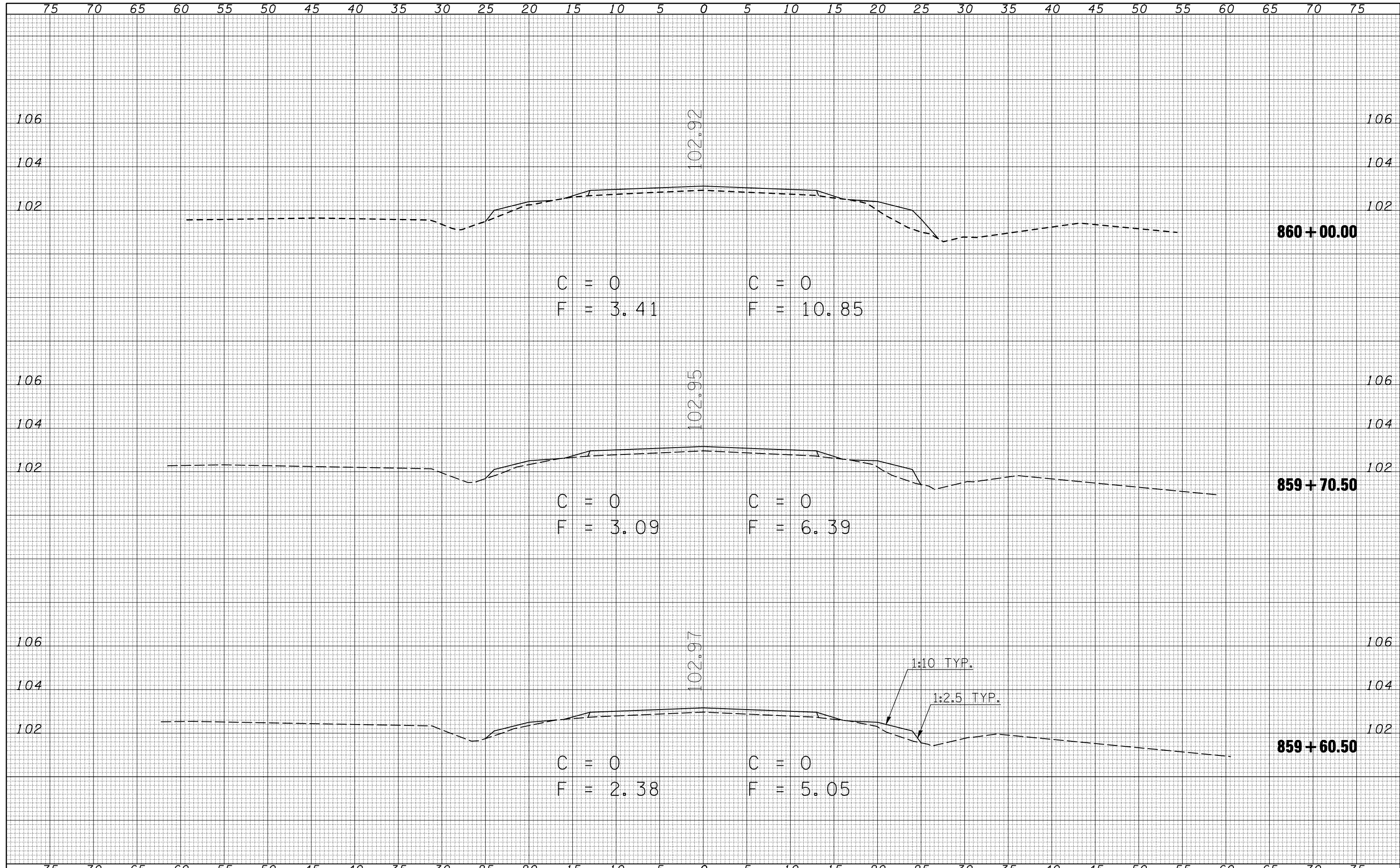
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



FILE NAME =	USER NAME = ptersonbr	DESIGNED - BJM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PIWIDOT\PIERSONBR\0107117\8310-8311...s.sheets.dgn		DRAWN - BBP	REVISED -		711	116RS-3	VERMILION	51	46			
PLOT SCALE = 10.0000 ' / IN.		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 859+10.50 TO STA. 859+50.00			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
PLOT DATE = 1/29/2009		DATE - 03/06/08	REVISED -					CONTRACT NO. 90914				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



FILE NAME =	USER NAME = piersonbr	DESIGNED - BJM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b>		F.A.P. RTE. 711	SECTION 116RS-3	COUNTY VERMILION	TOTAL SHEETS 51	SHEET NO. 47	
ct:\pw\work\PIWIDOT\PIERSONBR\0107117\8310-8311...sheets.dgn		DRAWN - BBP	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. 859+60.50	TO STA. 860+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 90914
		CHECKED -	REVISED -									
		DATE - 03/07/08	REVISED -									

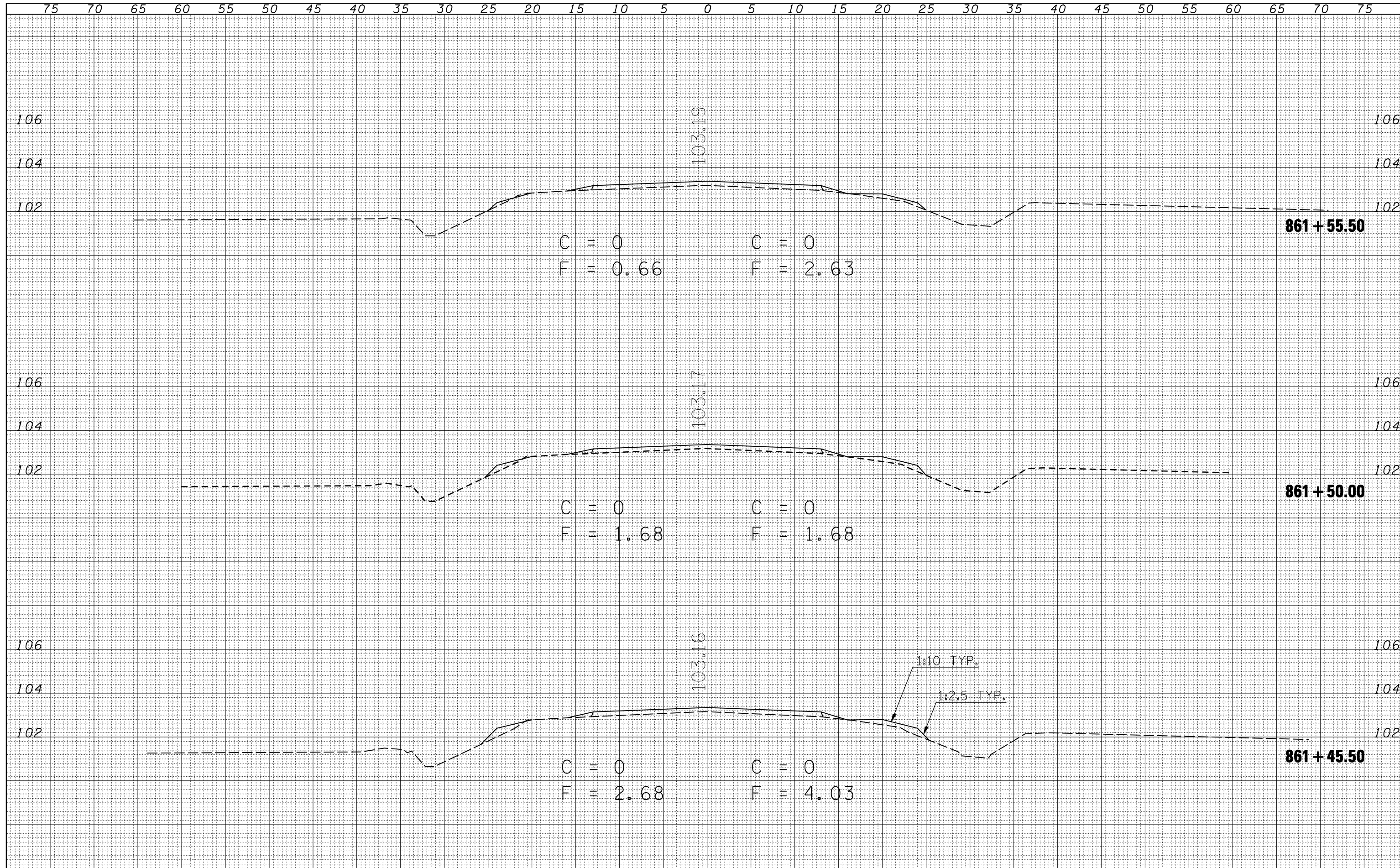






DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

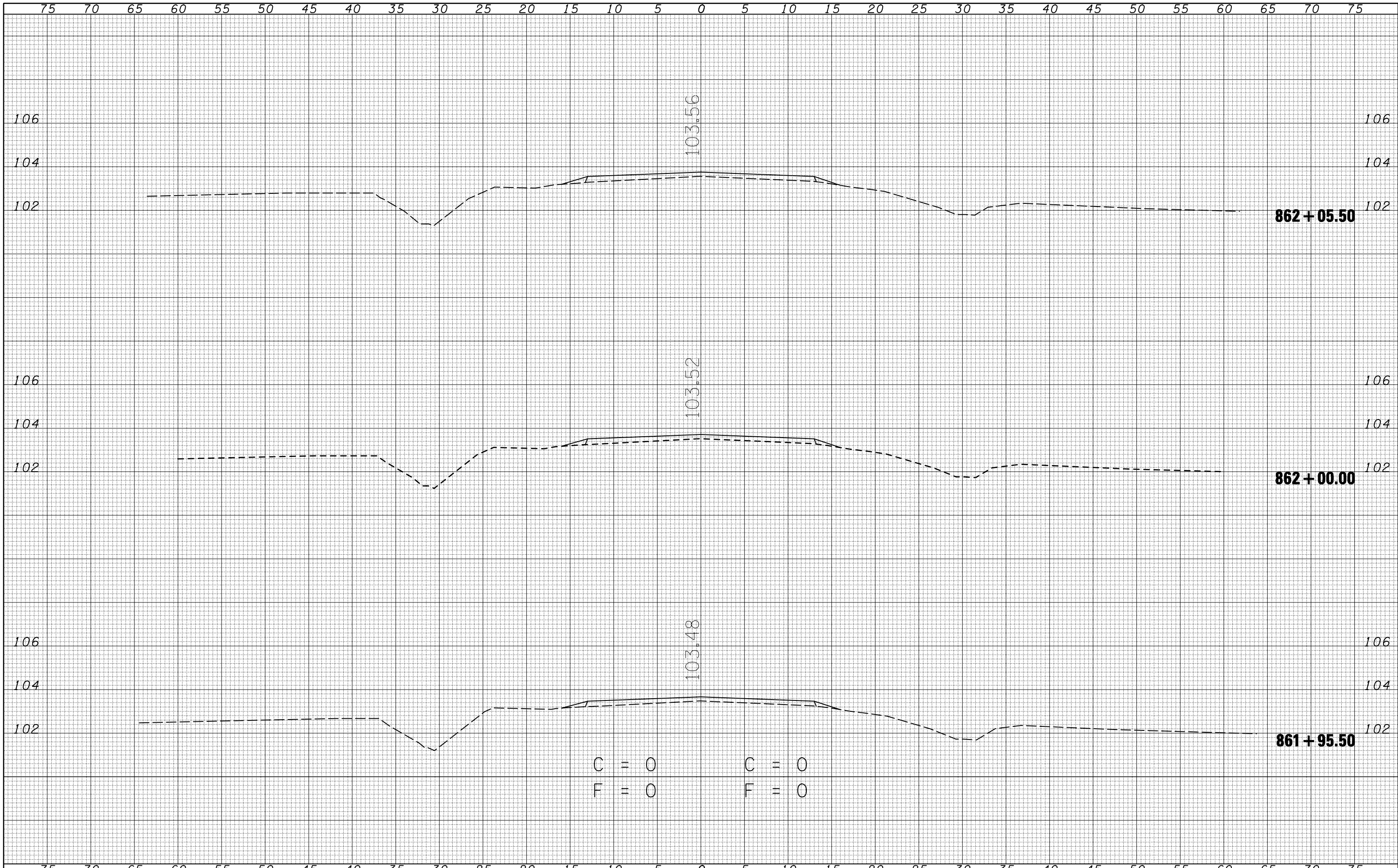
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



FILE NAME =	USER NAME = piersonbr	DESIGNED - BJM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PIWIDOT\PIERSONBR\0107117\8310-8311...sheets.dgn		DRAWN - BBP	REVISED -		711	116RS-3	VERMILION	51	50			
PLOT SCALE = 10.0000 ' / IN.		CHECKED -	REVISED -		SCALE:			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 90914		
PLOT DATE = 1/29/2009		DATE - 03/07/08	REVISED -		SHEET NO.	OF SHEETS	STA. 861+45.50 TO STA. 861+55.50					

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



FILE NAME =	USER NAME = piersonbr	DESIGNED - BJM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PIWIDOT\PIERSONBR\0107117\8310-8311...s.sheets.dgn		DRAWN - BBP	REVISED -		711	116RS-3	VERMILION	51	51			
PLOT SCALE = 10.0000' / IN.		CHECKED -	REVISED -		SCALE:			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
PLOT DATE = 1/29/2009		DATE - 03/07/08	REVISED -		SHEET NO.	OF SHEETS	STA. 861+95.50 TO STA. 862+05.50	CONTRACT NO. 90914				