

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 90866	

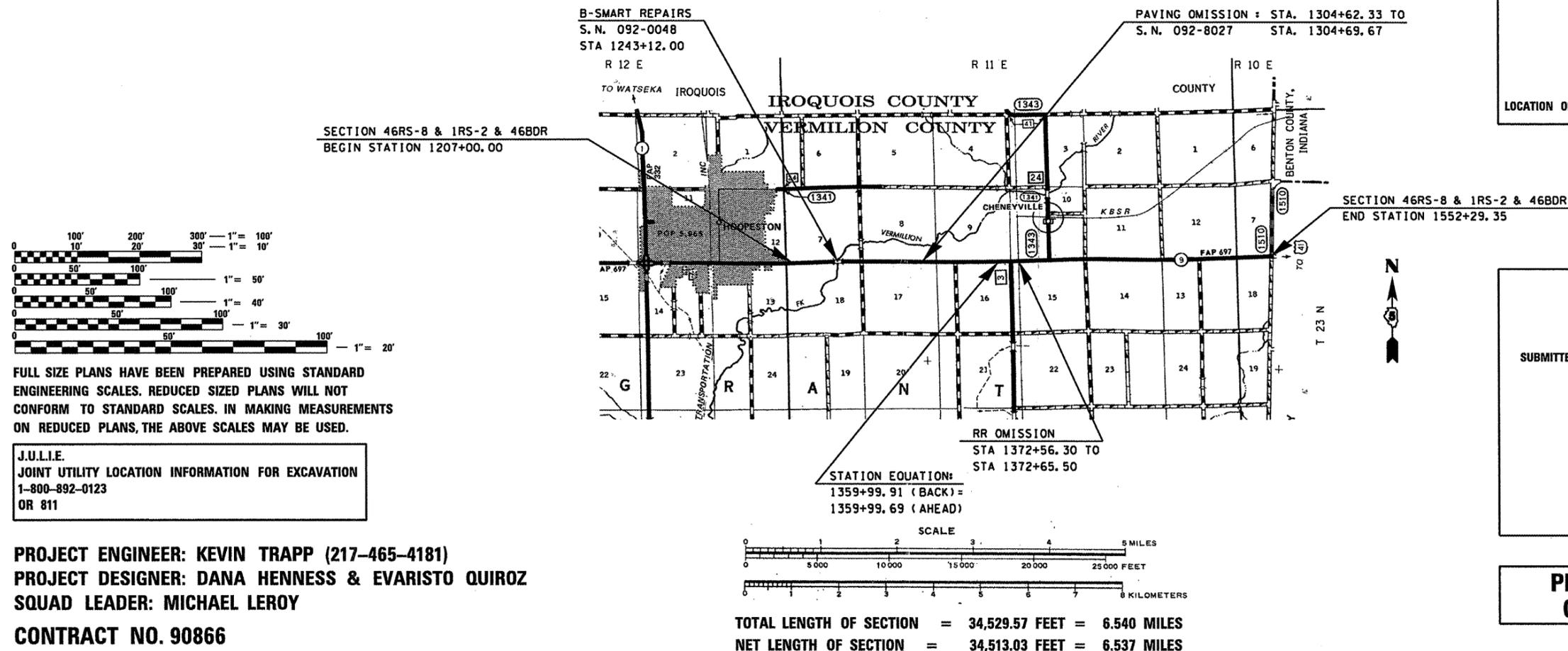
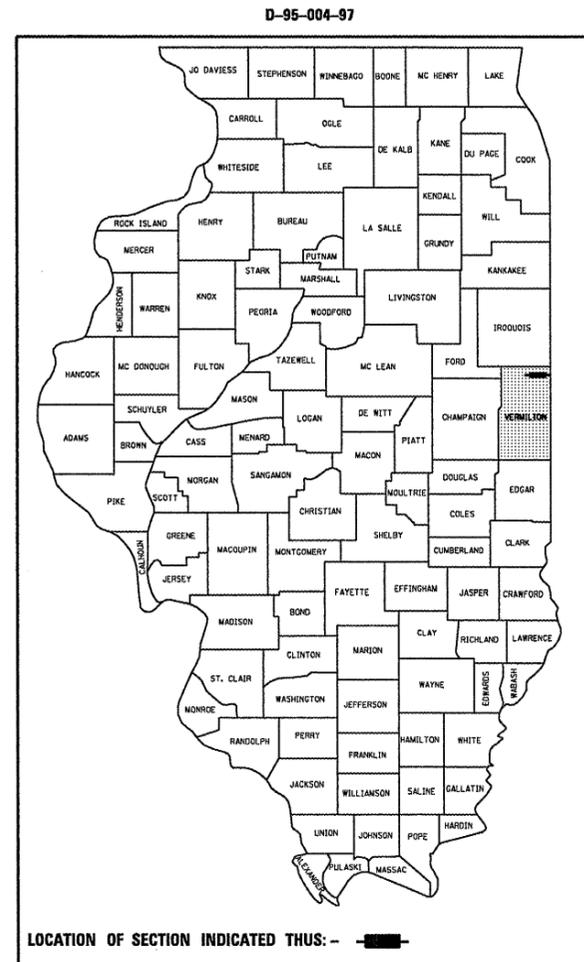
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PROPOSED**  
**HIGHWAY PLANS**

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-6

CURRENT ADT:  
 LEG "A" (ECL HOOPESTON TO CH3): 1,650 2008  
 LEG "B" (CH3 TO INDIANA LINE): 1,100 2008

**F.A.P. ROUTE 697 (IL 9)**  
**SECTION 46RS-8 & 1RS-2 & 46BDR**  
**PROJECT ESP-0697(030)**  
**VERMILION COUNTY**

C-95-004-97  
**RESURFACING (3P) & B-SMART BRIDGE DECK REPAIRS**  
**FROM ECL OF HOOPESTON TO INDIANA STATE LINE**



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED 2/6 20 09

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

March 13, 2009  
*Charles G. Greenwell*  
 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**

**PROJECT ENGINEER: KEVIN TRAPP (217-465-4181)**  
**PROJECT DESIGNER: DANA HENNESS & EVARISTO QUIROZ**  
**SQUAD LEADER: MICHAEL LEROY**  
**CONTRACT NO. 90866**

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# HIGHWAY STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
406201-01	MAILBOX TURNOUT
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
701321-10	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-03	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701901-01	TRAFFIC CONTROL DEVICES
704001-05	TEMPORARY CONCRETE BARRIER
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

FILE NAME : c:\p\work\p\1001\CEARLOCKJD\dms87652	USER NAME : ceo-lockjd	DESIGNED - D. HENNESS	REVISED -
	10866cover sheet.dgn	DRAWN - CADD 12/03/07	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS AND HIGHWAY STANDARDS				
SCALE:	SHEET NO.	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	4GRS-8&1RS-2&46BDR	VERMILION	75	2
CONTRACT NO. 90866				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# GENERAL NOTES

G.N.-100  
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-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:	FAP 697 (IL 9)	FAP 697 (IL 9)	FAP 697 (IL 9)
MIXTURE USE:	LEVELING BINDER	SURFACE & INCIDENTAL	CLASS D PATCHING
AC/PG:	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX):	25	15	25
DESIGN AIR VOIDS:	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50
MIX COMP (GRADATION):	IL 9.5	IL 9.5	IL 19.0
FRICTION AGGREGATE:	Mix C	Mix C	N.A.

G.N.-440 (SPECIAL)  
SPECIAL ATTENTION IS DIRECTED TO THE LAST SENTENCE OF ARTICLE 440.04 WHICH STATES: "MILLED PAVEMENT SHALL BE RESURFACED WITHIN 10 CALENDAR DAYS." THE CONTRACTOR SHALL SCHEDULE ACTIVITIES TO ACCOMPLISH THIS REQUIRED SPECIFICATION.

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.-501A  
THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHOULD FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

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, PTS, 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.

NO COMMITMENTS ON THIS PROJECT.

FILE NAME =	USER NAME = cealockjd	DESIGNED - D. HENNESS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\CEARLOCKJD\dms87652\90866cover sheet.dgn	DRAWN - CADD 12/03/07	REVISED -				697	4GRS-B&1RS-2&46BDR	VERMILION	75	3	
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -				CONTRACT NO. 90866					
PLOT DATE = 2/6/2009	DATE -	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
				SCALE:							
				SHEET NO. OF SHEETS							
				STA. TO STA.							

**SUMMARY OF QUANTITIES**

LOCATION OF WORK: FAP 697 (IL ROUTE 9)  
SECTION 46RS-8 & 1RS-2 & 46BDR  
VERMILION COUNTY

ROADWAY	BRIDGE B-SMART (SN 092-0048)
STA. 1207+00.00 TO STA. 1552+29.35 RURAL 2-LANE 100% FEDERAL 1000-2A	SN 092-0048  STA. 1243+12.00 RURAL 2-LANE 100% FEDERAL SFTY-2A

CONSTRUCTION TYPE CODE:

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
20200500	EARTH EXCAVATION (WIDENING)	CU YD	86.0	86.0	0.0
20400800	FURNISHED EXCAVATION	CU YD	20.0	20.0	0.0
35600712	HOT-MIX ASPHALT BASE COURSE WIDENING, 9"	SQ YD	457.0	457.0	0.0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	9,424.0	9,376.0	48.0
40600300	AGGREGATE (PRIME COAT)	TON	94.0	94.0	0.0
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	3,865.0	3,865.0	0.0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	480.0	480.0	0.0
40600990	TEMPORARY RAMP	SQ YD	107.0	107.0	0.0
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	7,917.0	7,876.0	41.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	425.0	425.0	0.0
40800030	AGGREGATE (PRIME COAT)	TON	4.0	4.0	0.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	324.0	324.0	0.0
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	92,368.0	92,368.0	0.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	654.0	654.0	0.0
44000196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	1,665.0	1,665.0	0.0
44000915	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	483.0	0.0	483.0
44004250	PAVED SHOULDER REMOVAL	SQ YD	115.0	115.0	0.0
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	558.0	558.0	0.0
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	96.0	96.0	0.0
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	1,664.0	1,664.0	0.0
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	416.0	416.0	0.0
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	394.0	394.0	0.0
44201839	CLASS D PATCHES, TYPE II, 16 INCH	SQ YD	43.0	43.0	0.0
44201843	CLASS D PATCHES, TYPE III, 16 INCH	SQ YD	16.0	16.0	0.0
44201845	CLASS D PATCHES, TYPE IV, 16 INCH	SQ YD	67.0	67.0	0.0
44201914	CLASS D PATCHES, TYPE II, 22 INCH	SQ YD	59.0	59.0	0.0

FILE NAME =	USER NAME = cearlckjd	DESIGNED - D. HENNESSY	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
c:\pw\work\PWIDOT\CEARLOCKJD\dms87652\90866coversheet.dgn		DRAWN - CADD 12/03/07	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	697	46RS-8&1RS-2&46BDR	VERMILION	75	4
		CHECKED -	REVISED -		CONTRACT NO. 90866										
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**SUMMARY OF QUANTITIES**

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ROADWAY	BRIDGE B-SMART (SN 092-0048)
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CONSTRUCTION TYPE CODE:

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2,251.0	2,251.0	0.0
50102400	CONCRETE REMOVAL	CU YD	8.7	0.0	8.7
50300255	CONCRETE SUPERSTRUCTURE	CU YD	9.3	0.0	9.3
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	1,400.0	0.0	1,400.0
50500715	JACK AND REMOVE EXISTING BEARINGS	EACH	12.0	0.0	12.0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	980.0	0.0	980.0
50800515	BAR SPLICERS	EACH	22.0	0.0	22.0
52000110	PREFORMED JOINT STRIP SEAL	FOOT	72.0	0.0	72.0
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	6.0	0.0	6.0
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	6.0	0.0	6.0
52100520	ANCHOR BOLTS, 1"	EACH	24.0	0.0	24.0
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	473.0	0.0	473.0
63301000	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARDRAIL	FOOT	50.0	0.0	50.0
63301235	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	60.0	0.0	60.0
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4.0	4.0	0.0
67100100	MOBILIZATION	L SUM	1.0	1.0	0.0
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1.0	0.0	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0	1.0	0.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0	1.0	0.0
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1.0	1.0	0.0
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1.0	0.0	1.0
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	10,671.0	10,671.0	0.0
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	170.0	170.0	0.0
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	90,583.0	90,583.0	0.0
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	305.0	305.0	0.0
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	66.0	66.0	0.0

**SUMMARY OF QUANTITIES**

LOCATION OF WORK: FAP 697 (IL ROUTE 9)  
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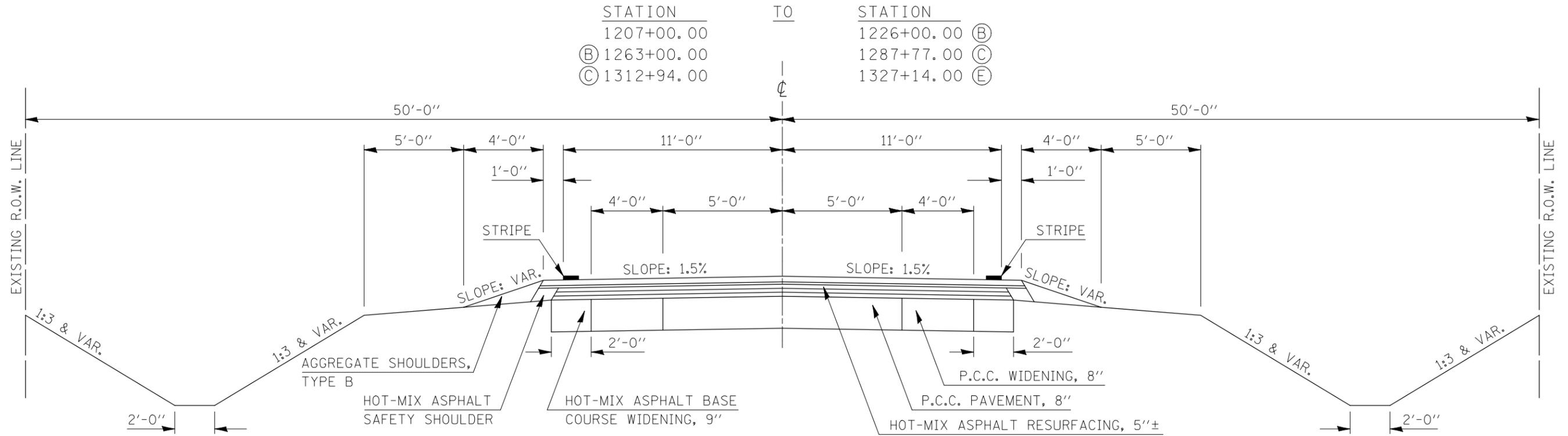
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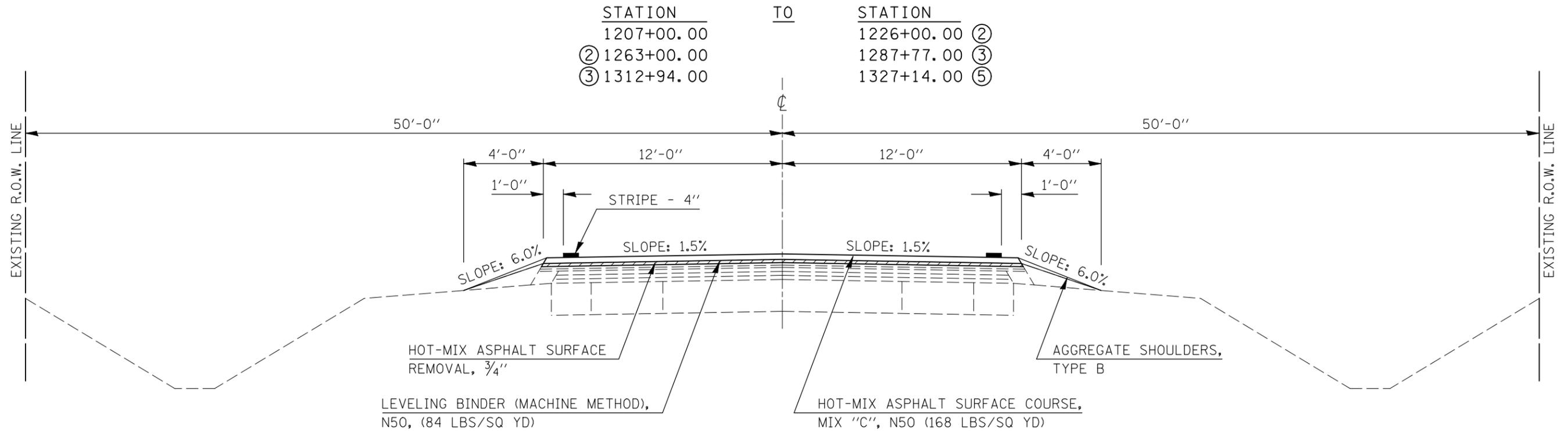
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,185.0	1,185.0	0.0
70400100	TEMPORARY CONCRETE BARRIER	FOOT	375.0	0.0	375.0
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	375.0	0.0	375.0
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	170.0	170.0	0.0
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6,854.0	6,854.0	0.0
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	305.0	305.0	0.0
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	66.0	66.0	0.0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	83,729.0	83,729.0	0.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	504.0	504.0	0.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	504.0	504.0	0.0
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	2.0	0.0	2.0
* X7200201	WIDTH RESTRICTION SIGNING	L SUM	1.0	0.0	1.0
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	12.0	0.0	12.0
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	10.0	0.0	10.0
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	49.0	0.0	49.0
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.0	0.0	2.0
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.0	0.0	2.0
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1.0	1.0	0.0
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	4.0	4.0	0.0

\* SPECIALTY ITEM

# (A) EXISTING TYPICAL SECTION FAP 697 (IL 9)

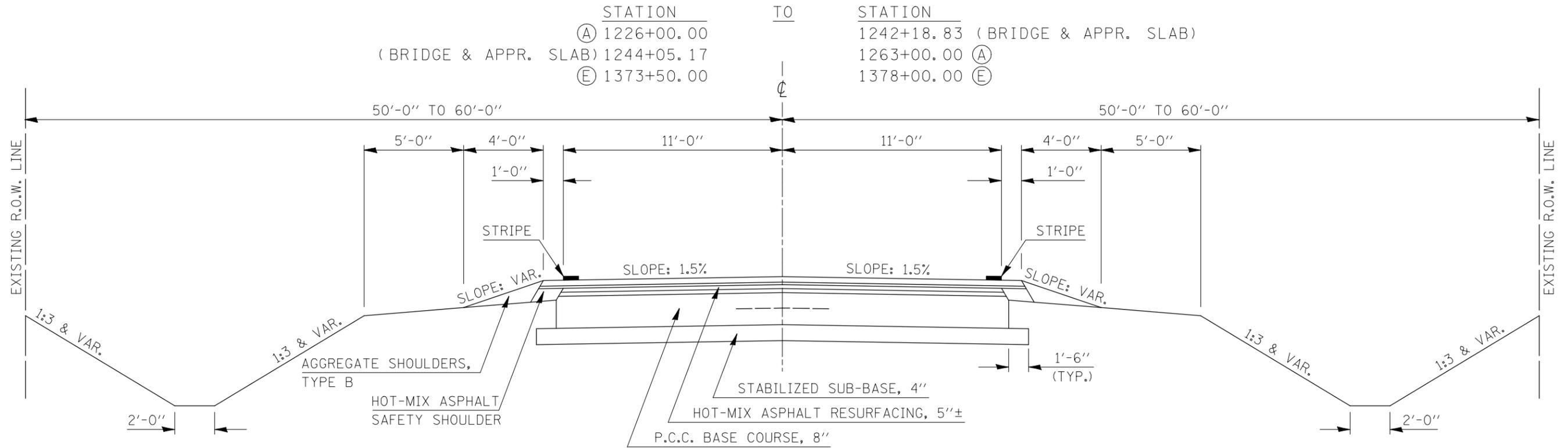


# (1) PROPOSED TYPICAL SECTION FAP 697 (IL 9)

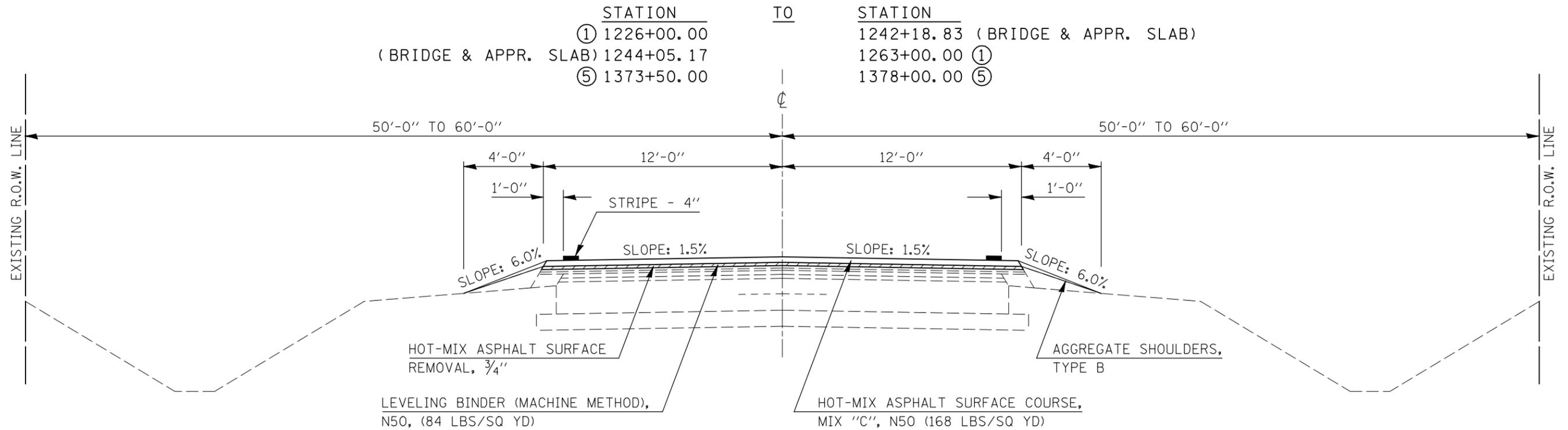


FILE NAME =	USER NAME = ceorlockjd	DESIGNED - D. HENNESS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING &amp; PROPOSED TYPICAL SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pwwork\pwwid01\CEARLOCKJD\dms87652\90866typicals.dgn		DRAWN - CADD 11/29/07	REVISED -			697	46RS-8&1RS-2&46BDR	VERMILION	75	7	
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					SCALE: NA	SHEET NO. OF SHEETS		STA. TO STA.			

## (B) EXISTING TYPICAL SECTION FAP 697 (IL 9)

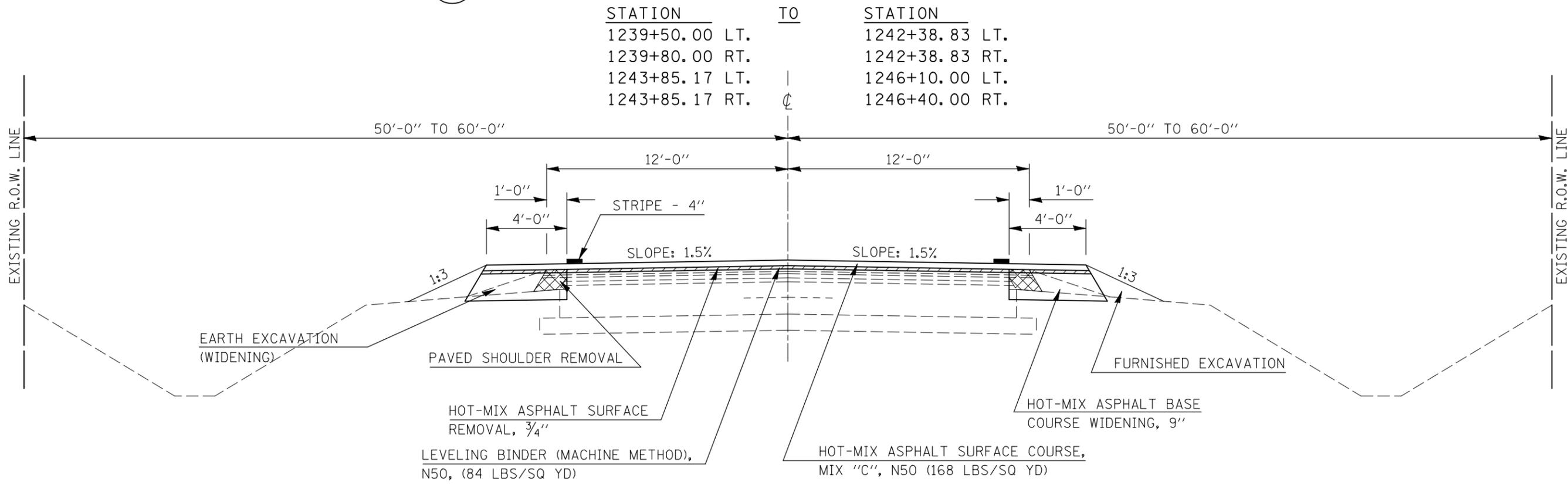


## (2) PROPOSED TYPICAL SECTION FAP 697 (IL 9)



FILE NAME =	USER NAME = ceorlockjd	DESIGNED - D. HENNESS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING &amp; PROPOSED TYPICAL SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\pwid01\CEARLOCKJD\dms87652\90866typicals.dgn		DRAWN - CADD 11/29/07	REVISED -			697	46RS-8&1RS-2&46BDR	VERMILION	75	8	
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 90866					
PLOT DATE = 2/6/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

# 2A PROPOSED TYPICAL SECTION FAP 697 (IL 9)



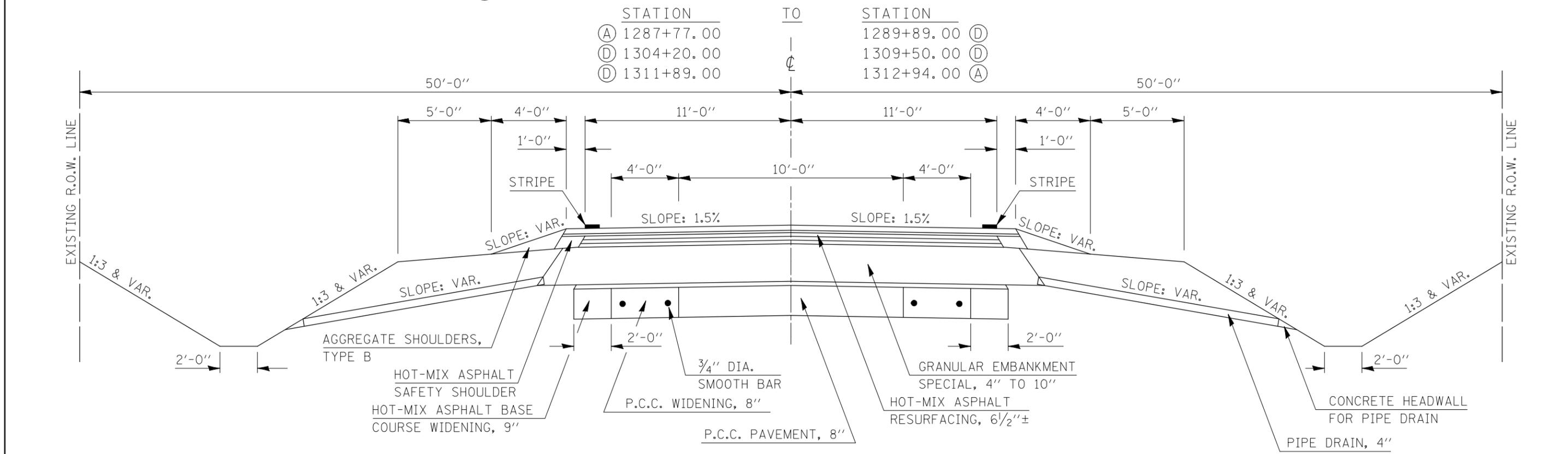
FILE NAME =	USER NAME = ceorlockjd	DESIGNED - D. HENNESS	REVISED -
ct:\pw\work\PWIDOT\CEARLOCKJD\dms87652\90866typicals.dgn		DRAWN - CADD 11/29/07	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

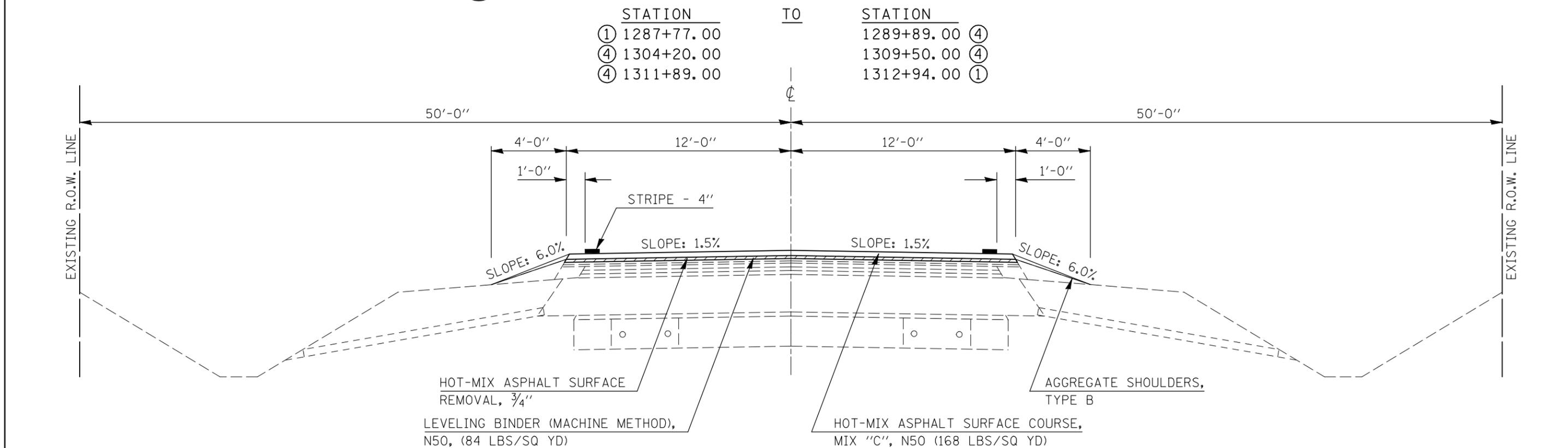
<b>EXISTING &amp; PROPOSED TYPICAL SECTIONS</b>			
SCALE: NA	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	9
CONTRACT NO. 90866				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

### (C) EXISTING TYPICAL SECTION FAP 697 (IL 9)

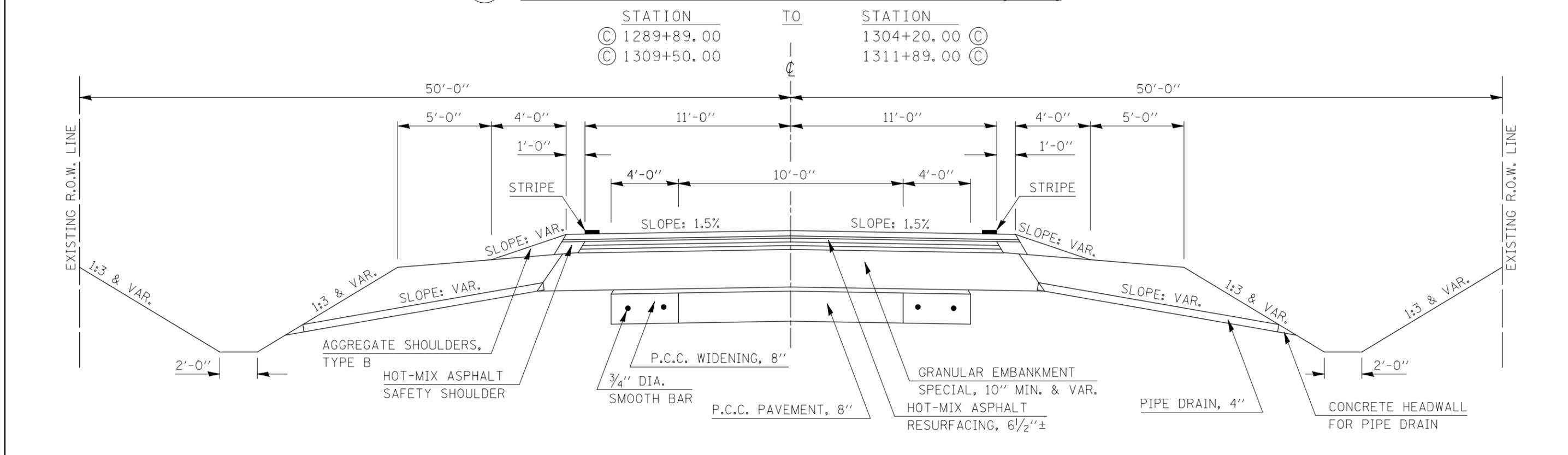


### (3) PROPOSED TYPICAL SECTION FAP 697 (IL 9)

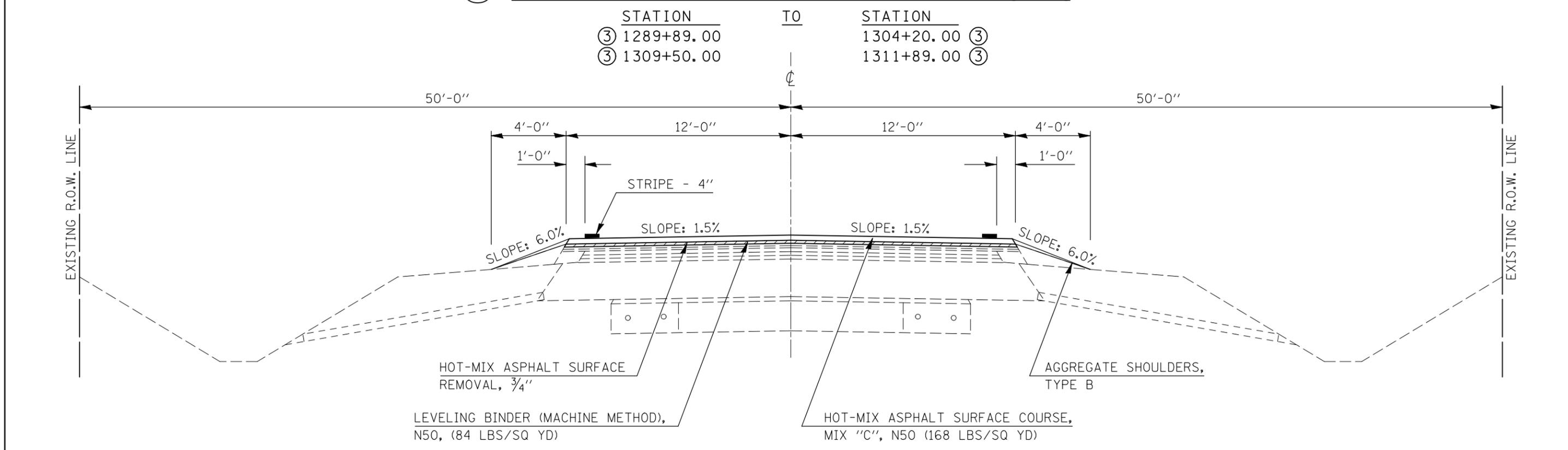


FILE NAME =	USER NAME = cearlackjd	DESIGNED - D. HENNESS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING &amp; PROPOSED TYPICAL SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pw\work\PWID01\CEARLACKJD\dms87652\90866typicals.dgn		DRAWN - CADD 11/29/07	REVISED -			697	46RS-8&1RS-2&46BDR	VERMILION	75	10	
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 90866					
PLOT DATE = 2/6/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

### D EXISTING TYPICAL SECTION FAP 697 (IL 9)



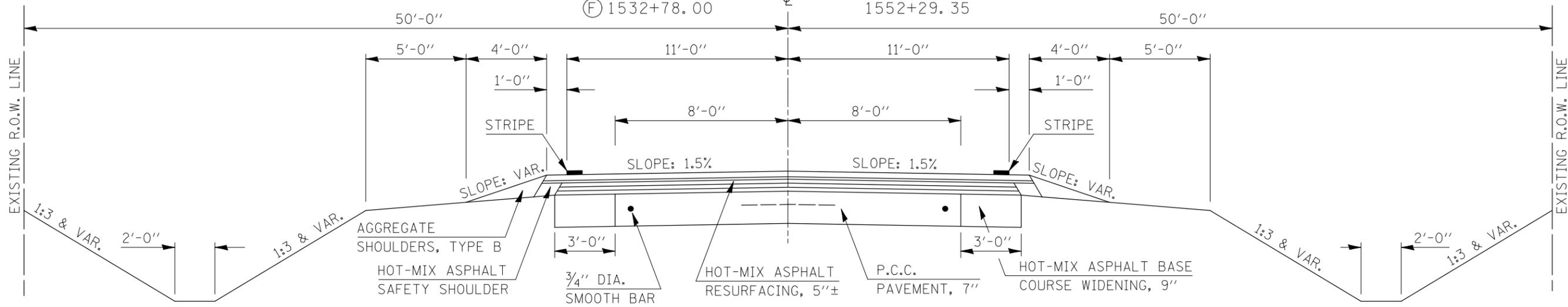
### 4 PROPOSED TYPICAL SECTION FAP 697 (IL 9)



FILE NAME =	USER NAME = ceorlockjd	DESIGNED - D. HENNESS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING &amp; PROPOSED TYPICAL SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwwork\pwwid001\CEARLOCKJD\dms87652\90866typicals.dgn	DRAWN - CADD 11/29/07	REVISED -	697			46RS-8&1RS-2&46BDR	VERMILION	75	11	
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 90866							
PLOT DATE = 2/6/2009	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
						SCALE: NA	SHEET NO.	OF SHEETS	STA.	TO STA.

### E EXISTING TYPICAL SECTION FAP 697 (IL 9)

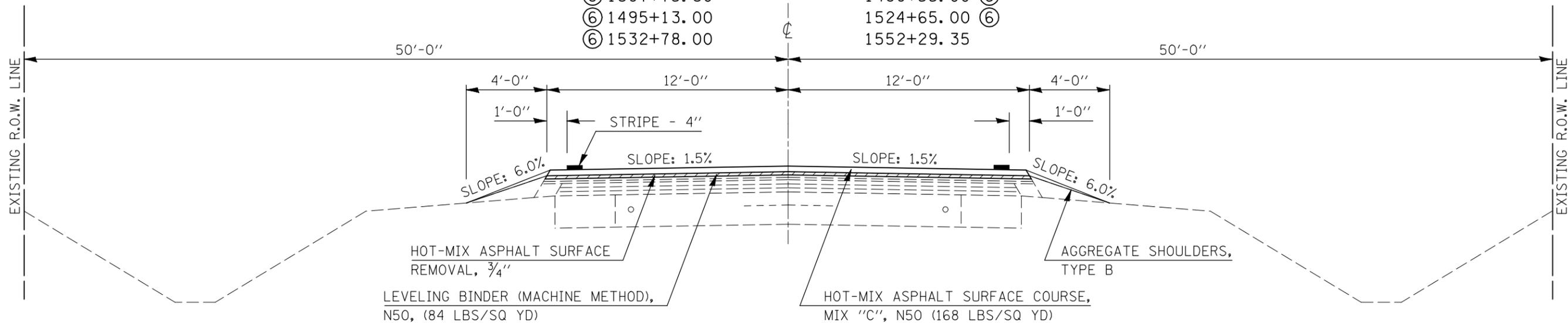
STATION	TO	STATION
(A) 1327+14.00		1327+55.00 (F)
(F) 1334+56.00		1335+12.00 (F)
(F) 1343+58.00		1367+13.00 (F)
(RR OMISSION) (F) 1372+65.50		1373+50.00 (B)
(B) 1378+00.00		1386+05.10 (H)
(H) 1397+75.30		1489+55.00 (F)
(F) 1495+13.00		1524+65.00 (F)
(F) 1532+78.00		1552+29.35



### 5 PROPOSED TYPICAL SECTION FAP 697 (IL 9)

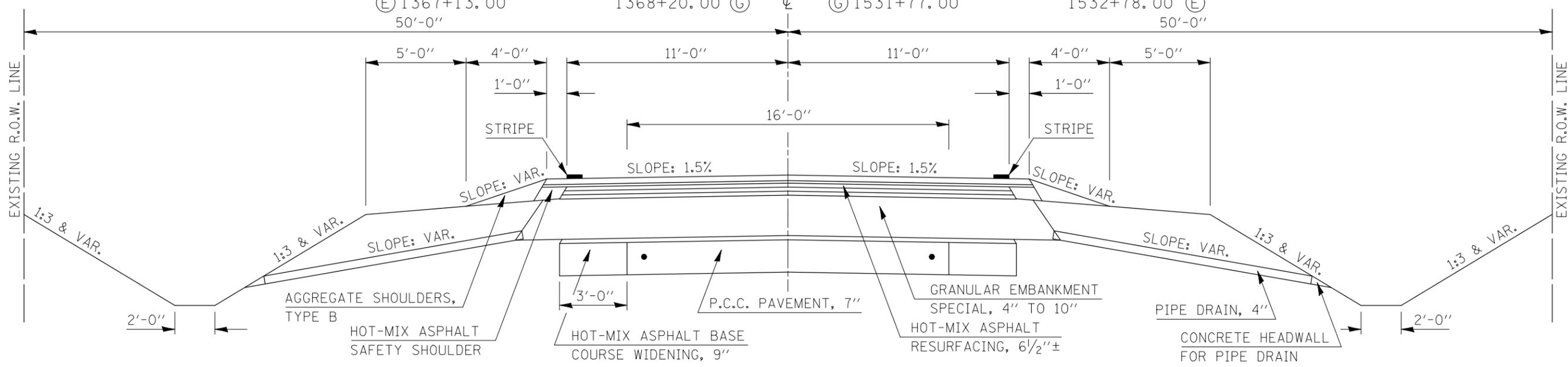
STATION	TO	STATION
(1) 1327+14.00		1327+55.00 (6)
(6) 1334+56.00		1335+12.00 (6)
* (6) 1343+58.00		1367+13.00 (6) *
(6) (RR OMISSION) 1372+65.50		1373+50.00 (2)
(2) 1378+00.00		1386+05.10 (8)
(8) 1397+75.30		1489+55.00 (6)
(6) 1495+13.00		1524+65.00 (6)
(6) 1532+78.00		1552+29.35

\* REFER TO THE "DETAIL OF MILLING TRANSITION FROM 3/4" TO 1 1/2" " FOR THE MILLING STATION LIMITS.  
 REFER TO THE "RESURFACING DETAIL @ MILLING TRANSITION AREAS (INLAY SECTION)" FOR RESURFACING STATION LIMITS.



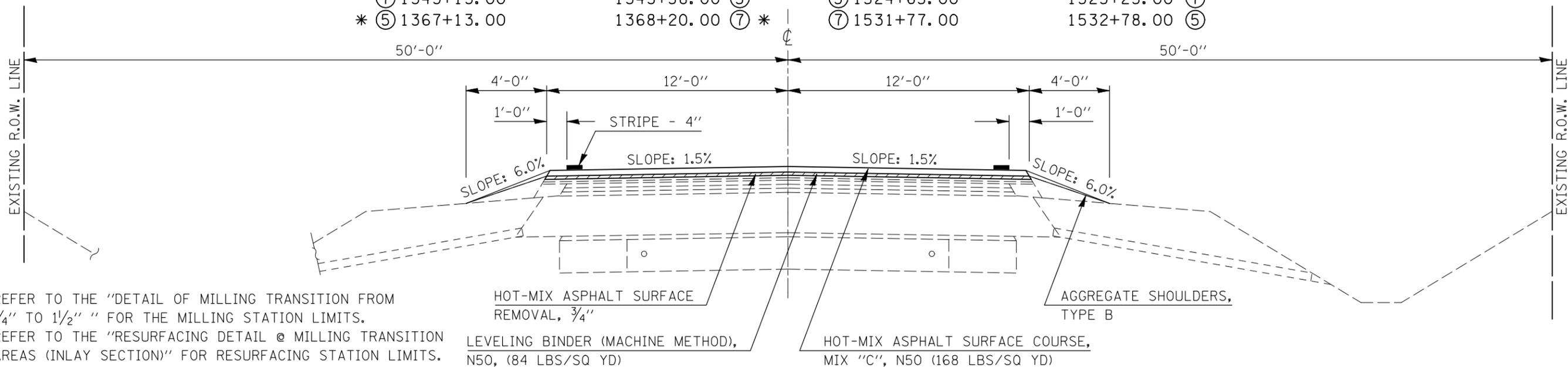
## F EXISTING TYPICAL SECTION FAP 697 (IL 9)

STATION	TO	STATION	STATION	TO	STATION
⑤ 1327+55.00		1328+11.00	⑥ 1371+69.00		1372+56.30
⑥ 1333+86.00		1334+56.00	⑥ 1489+55.00		1490+11.00
⑥ 1335+12.00		1335+40.00	⑥ 1494+44.00		1495+13.00
⑥ 1343+13.00		1343+58.00	⑥ 1524+65.00		1525+25.00
⑥ 1367+13.00		1368+20.00	⑥ 1531+77.00		1532+78.00



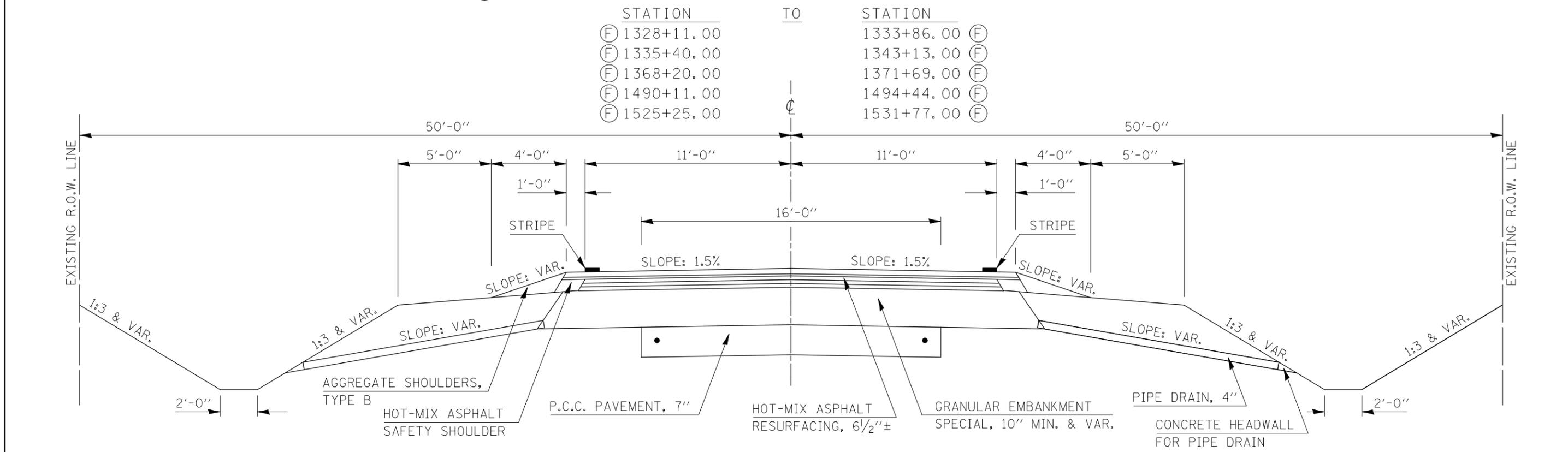
## 6 PROPOSED TYPICAL SECTION FAP 697 (IL 9)

STATION	TO	STATION	STATION	TO	STATION
⑤ 1327+55.00		1328+11.00	⑦ 1371+69.00		1372+56.30 (RR OMISSION) ⑤
⑦ 1333+86.00		1334+56.00	⑤ 1489+55.00		1490+11.00
⑤ 1335+12.00		1335+40.00	⑦ 1494+44.00		1495+13.00
⑦ 1343+13.00		1343+58.00	⑤ 1524+65.00		1525+25.00
* ⑤ 1367+13.00		1368+20.00	⑦ * 1531+77.00		1532+78.00

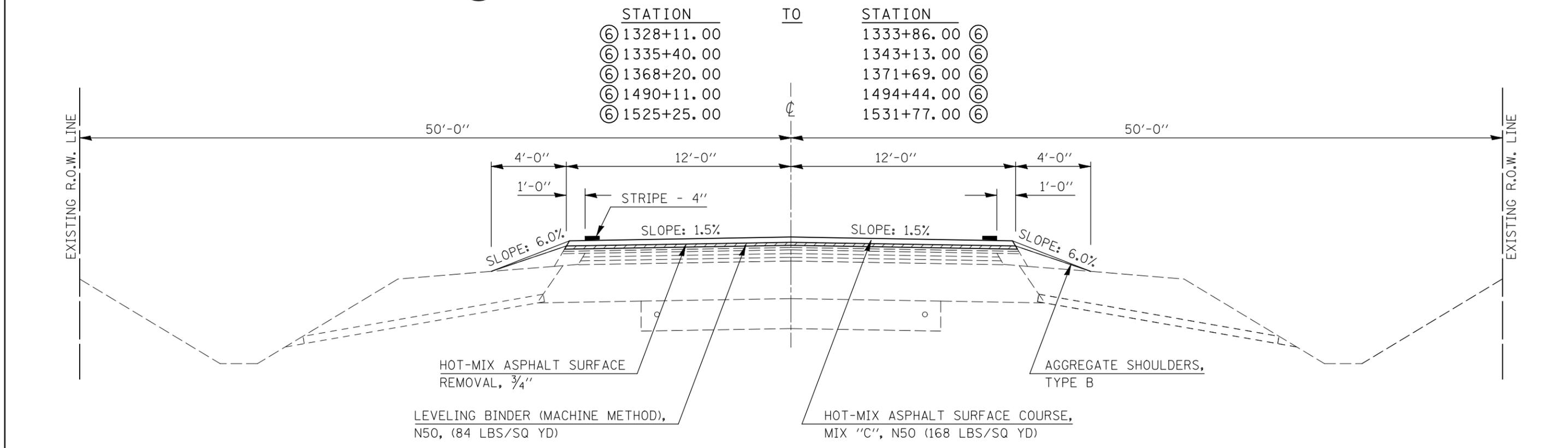


\* REFER TO THE "DETAIL OF MILLING TRANSITION FROM 3/4" TO 1 1/2" " FOR THE MILLING STATION LIMITS.  
 REFER TO THE "RESURFACING DETAIL @ MILLING TRANSITION AREAS (INLAY SECTION)" FOR RESURFACING STATION LIMITS.

### (G) EXISTING TYPICAL SECTION FAP 697 (IL 9)



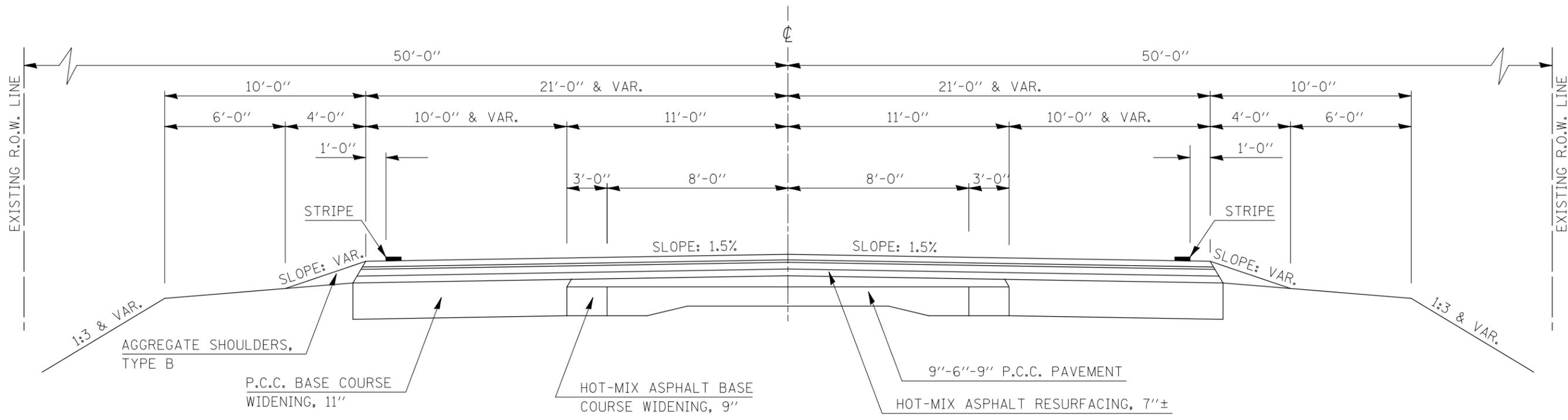
### (7) PROPOSED TYPICAL SECTION FAP 697 (IL 9)



FILE NAME =	USER NAME = ceorlockjd	DESIGNED - D. HENNESS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING &amp; PROPOSED TYPICAL SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pwwork\pwwid01\CEARLOCKJD\dms87652\90866typicals.dgn		DRAWN - CADD 11/29/07	REVISED -			697	46RS-8&1RS-2&46BDR	VERMILION	75	14	
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 90866					
PLOT DATE = 2/6/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

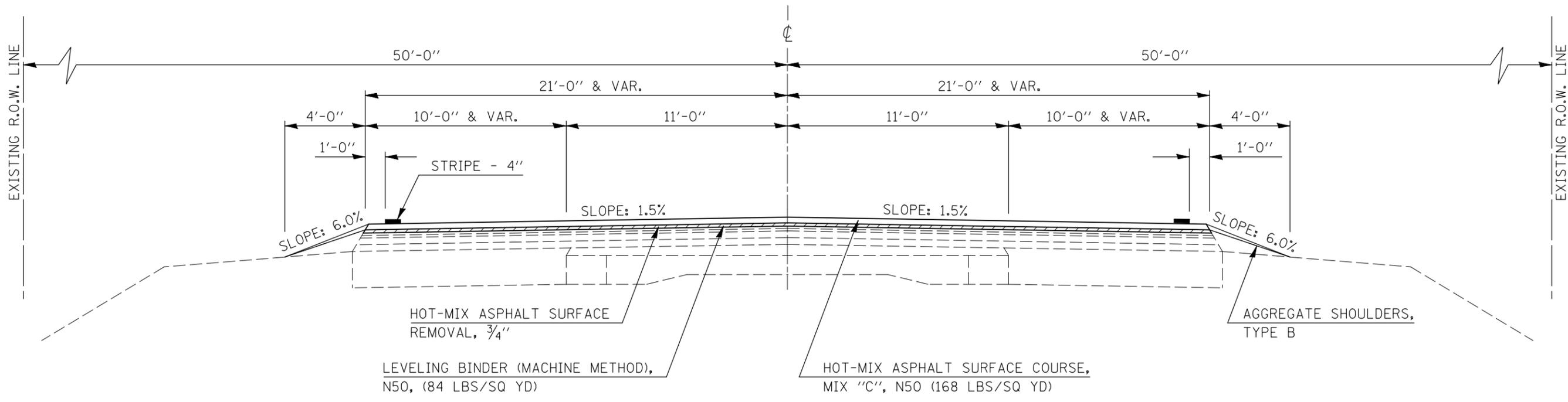
### (H) EXISTING TYPICAL SECTION FAP 697 (IL 9)

STATION TO STATION  
 (E) 1386+05.10 1397+75.30 (E)



### (8) PROPOSED TYPICAL SECTION FAP 697 (IL 9)

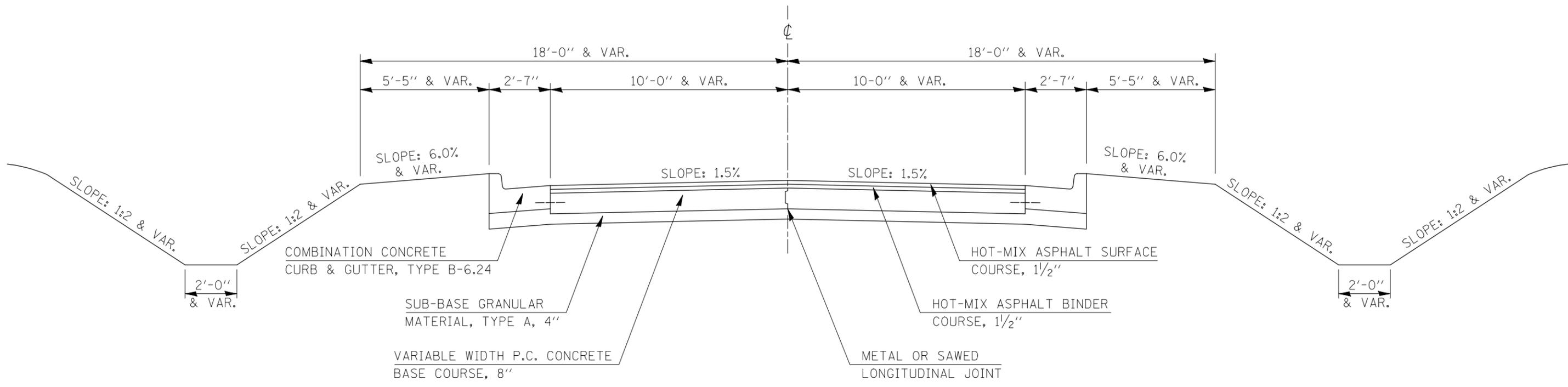
STATION TO STATION  
 (5) 1386+05.10 1397+75.30 (5)



FILE NAME =	USER NAME = ceorlockjd	DESIGNED - D. HENNESS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING &amp; PROPOSED TYPICAL SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ce:\pw\work\p\WIDOT\CEARLOCKJD\dms87652\90866typicals.dgn		DRAWN - CADD 11/29/07	REVISED -		SCALE: NA	SHEET NO.	OF SHEETS	STA.	TO STA.	697	46RS-8&1RS-2&46BDR	VERMILION	75 15
		CHECKED -	REVISED -							CONTRACT NO. 90866			
		DATE -	REVISED -							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

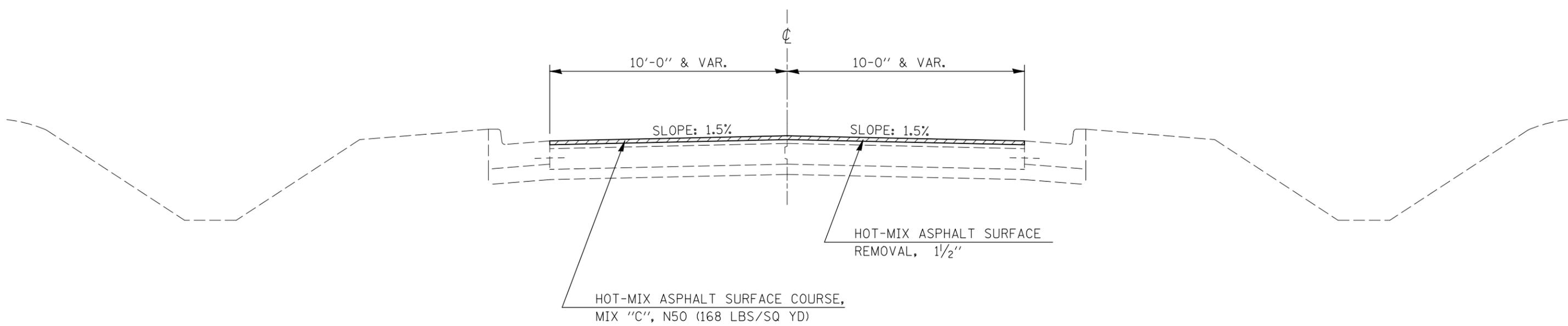
# 1 EXISTING TYPICAL SECTION CH 3 (ANTIOCH ROAD)

RT STATION 1366+94.10



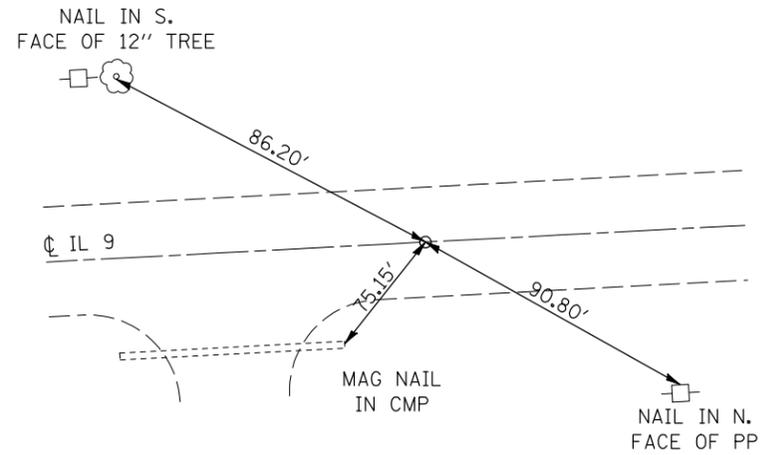
# 9 PROPOSED TYPICAL SECTION CH 3 (ANTIOCH ROAD)

RT STATION 1366+94.10

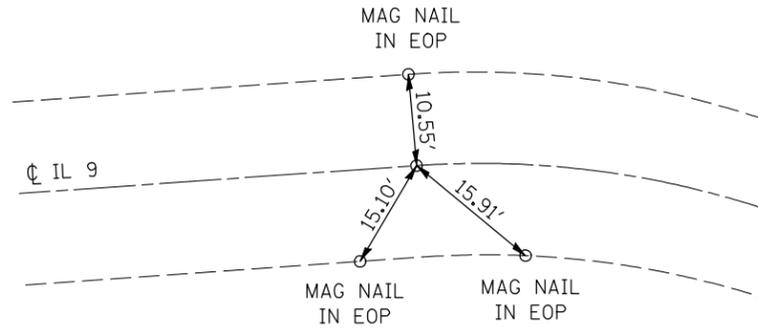


FILE NAME =	USER NAME = ceorlockjd	DESIGNED - D. HENNESS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING &amp; PROPOSED TYPICAL SECTIONS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ce:\pwork\pwork\PWIDOT\CEARLOCKJD\dms87652\90866typicals.dgn		DRAWN - CADD 11/29/07	REVISED -		SCALE: NA	SHEET NO.	OF SHEETS	STA.	TO STA.	697	46RS-8&1RS-2&46BDR	VERMILION	75	16
		CHECKED -	REVISED -						CONTRACT NO. 90866					
		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									

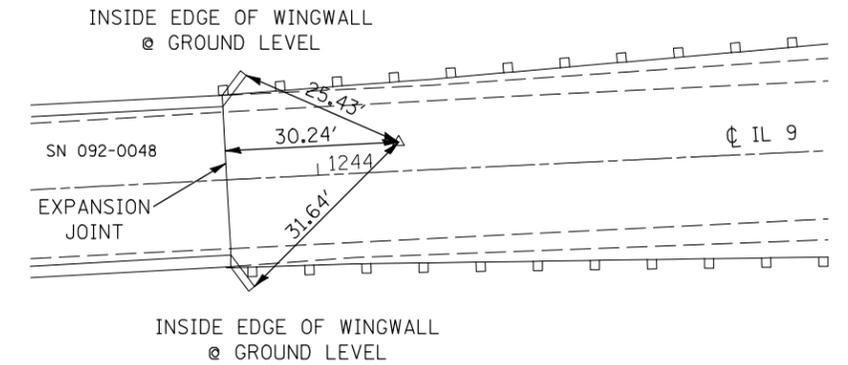
**P.O.T.**  
**STA. 1207 + 30.62**



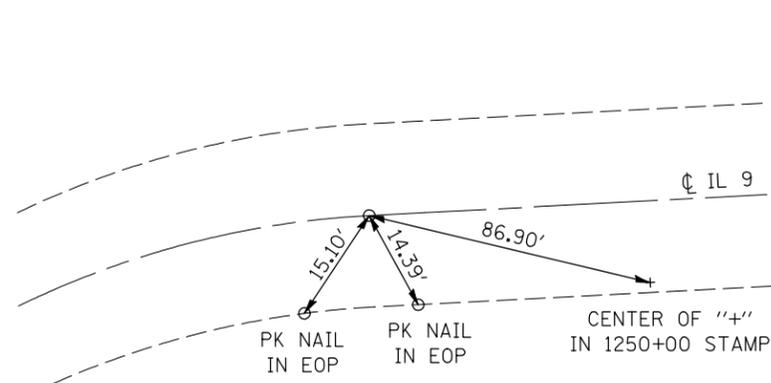
**P.C.**  
**STA. 1239 + 15.20**



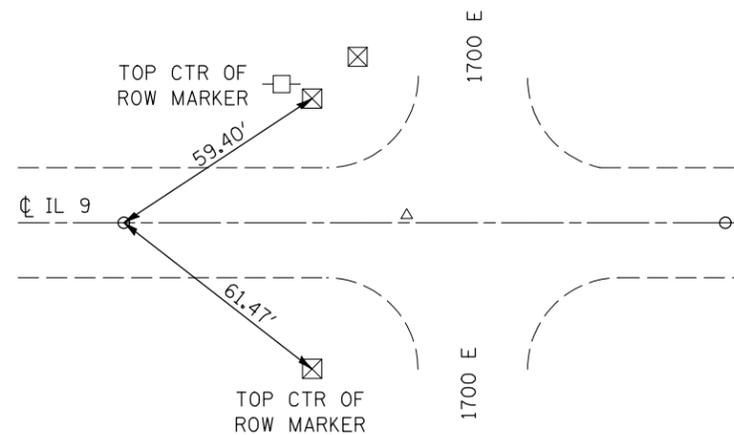
**P.I.**  
**STA. 1244 + 14.38, 5.09' LT**



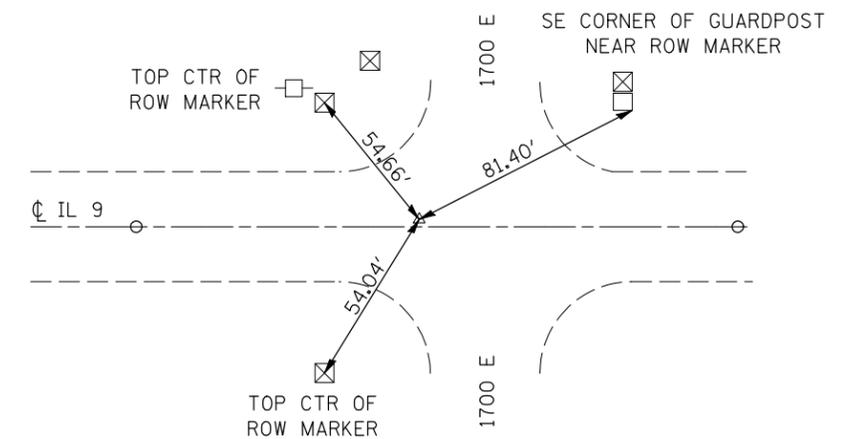
**P.T.**  
**STA. 1249 + 13.42**



**P.C.**  
**STA. 1259 + 32.41**



**P.I.**  
**STA. 1259 + 89.08, 0.14' LT**



FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -
ct\pwork\pwork\PWIDOT\CEARLOCKJD\dms87652\6590866-shr-ATB.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE -	REVISED -

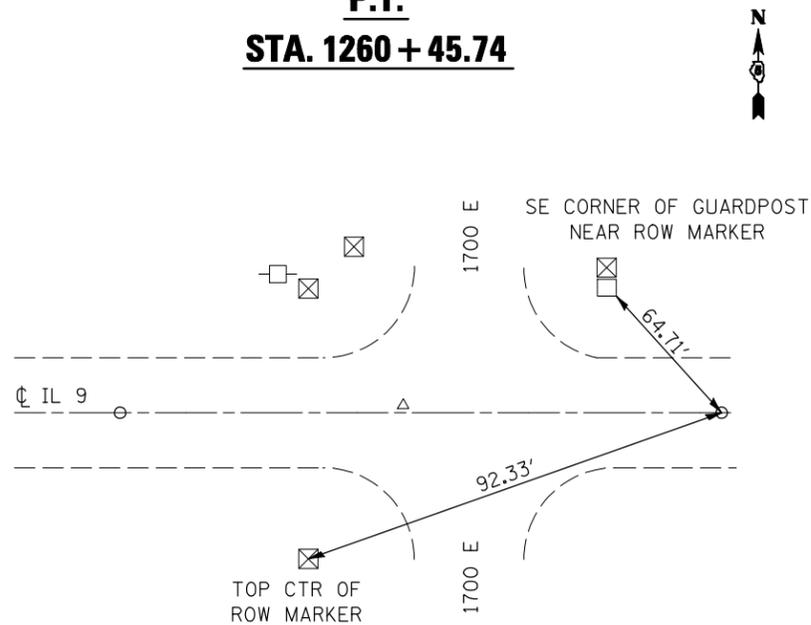
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TIE POINTS**

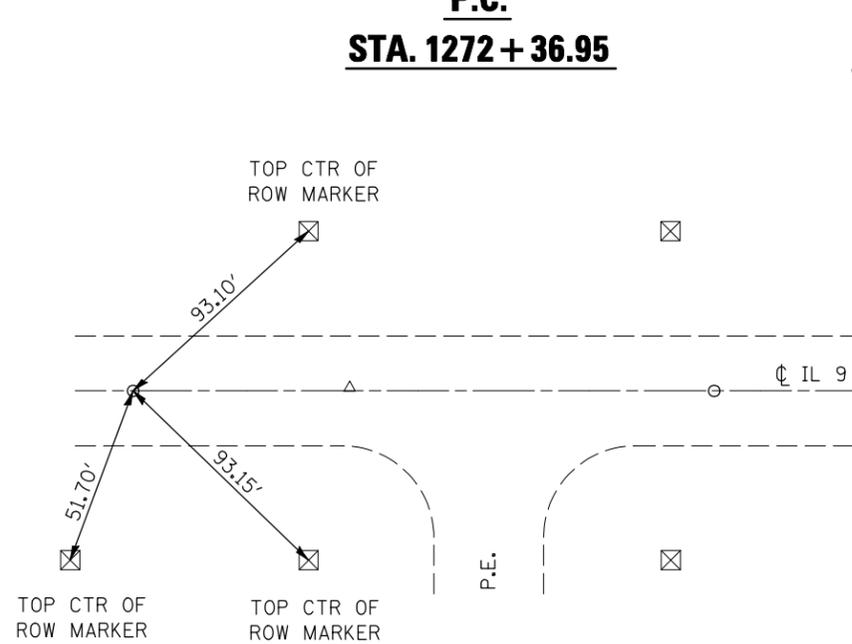
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&4GBDR	VERMILION	75	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90866	

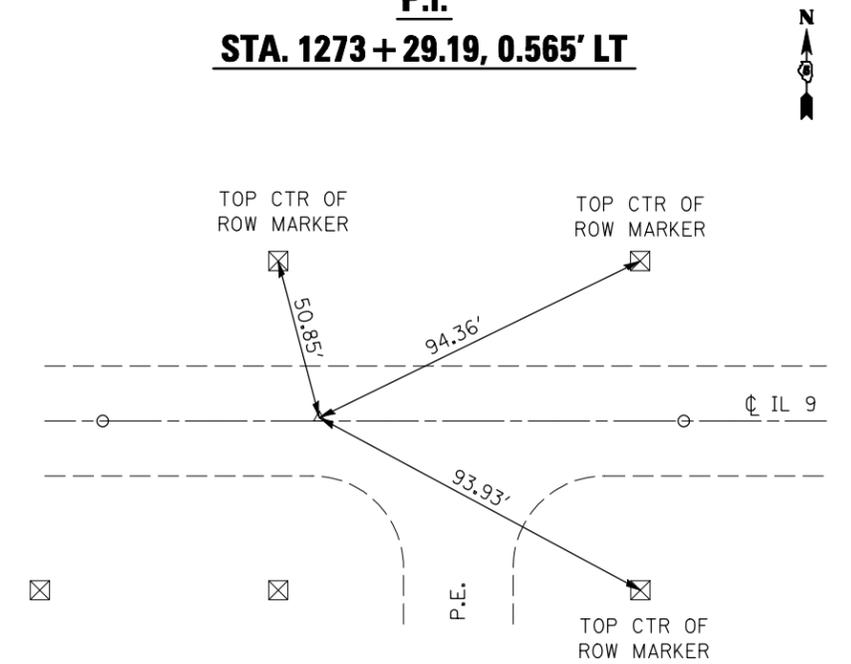
**P.T.**  
**STA. 1260 + 45.74**



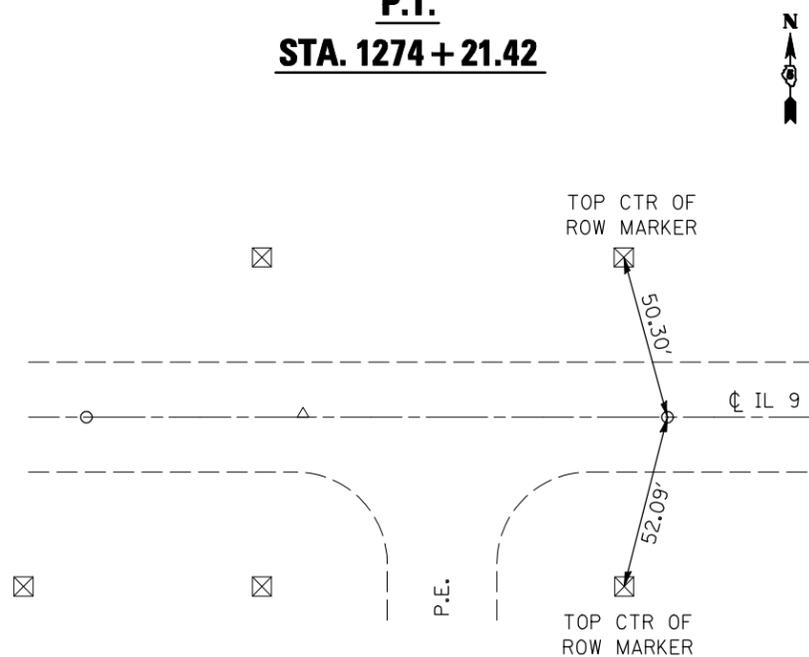
**P.C.**  
**STA. 1272 + 36.95**



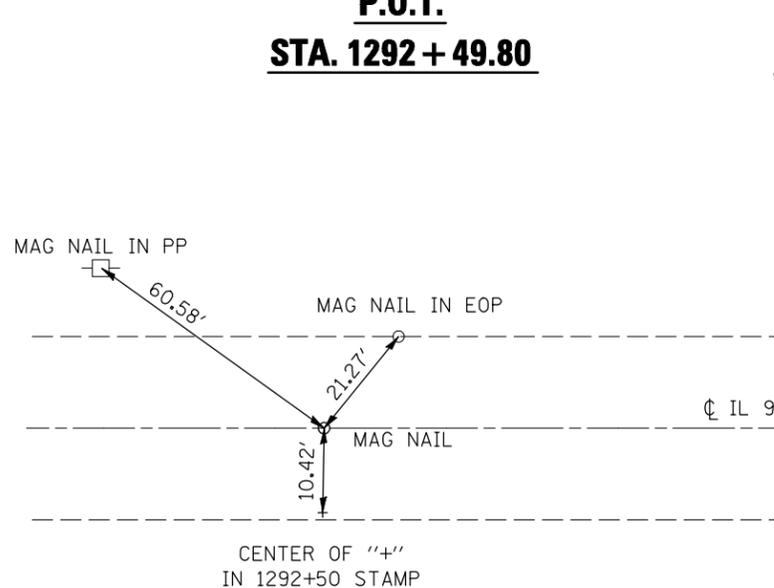
**P.I.**  
**STA. 1273 + 29.19, 0.565' LT**



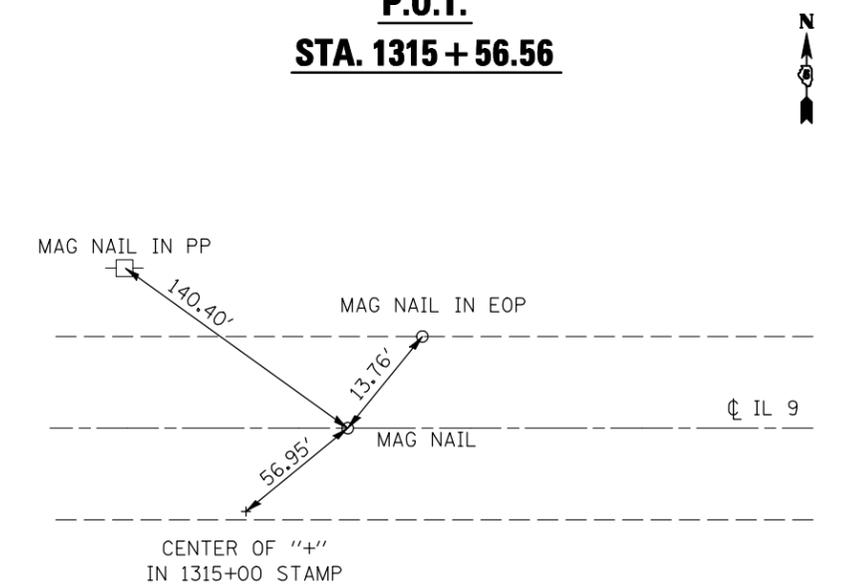
**P.T.**  
**STA. 1274 + 21.42**



**P.O.T.**  
**STA. 1292 + 49.80**



**P.O.T.**  
**STA. 1315 + 56.56**



FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -
ct:\pw\work\PWIDOT\CEARLOCKJD\dms87652\4590866-sh1-ATB.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

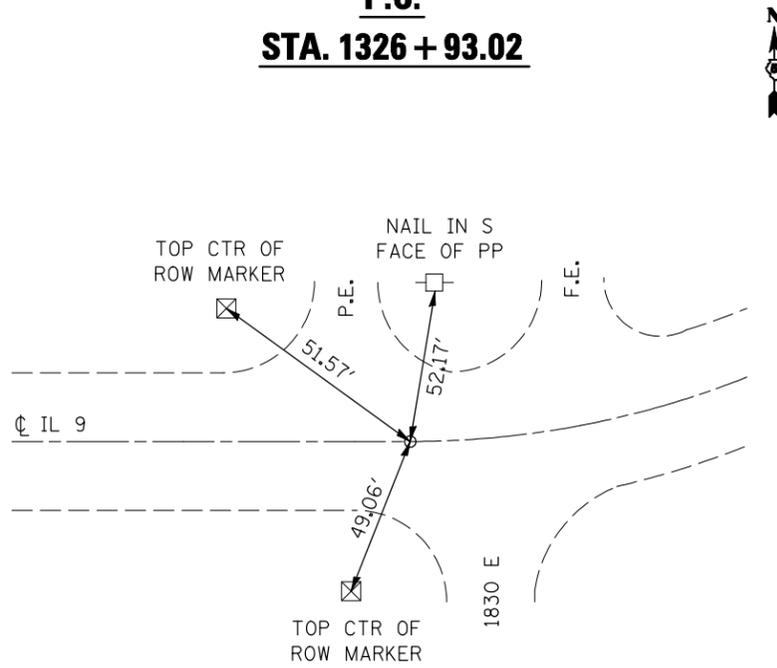
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

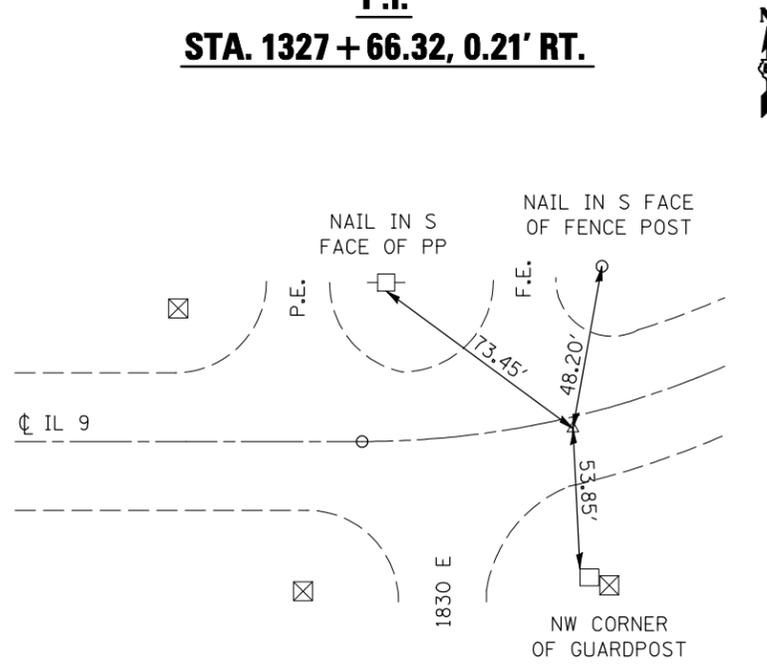
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	18
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 90866	

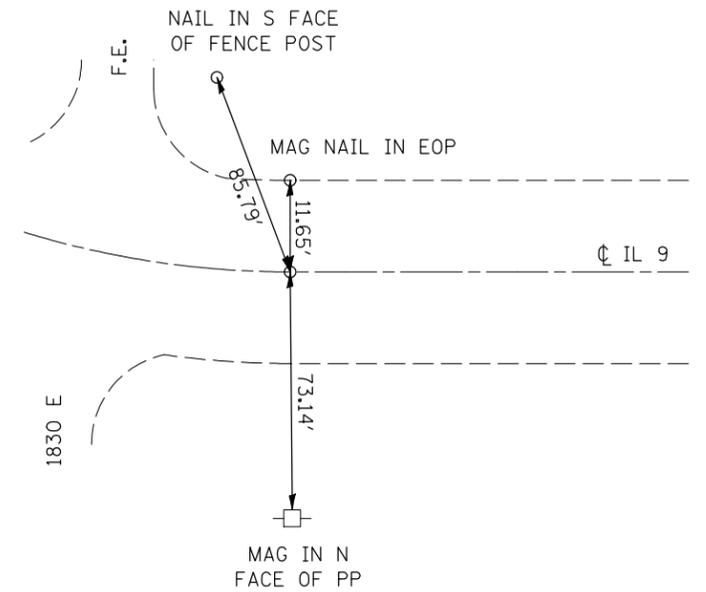
**P.C.**  
**STA. 1326 + 93.02**



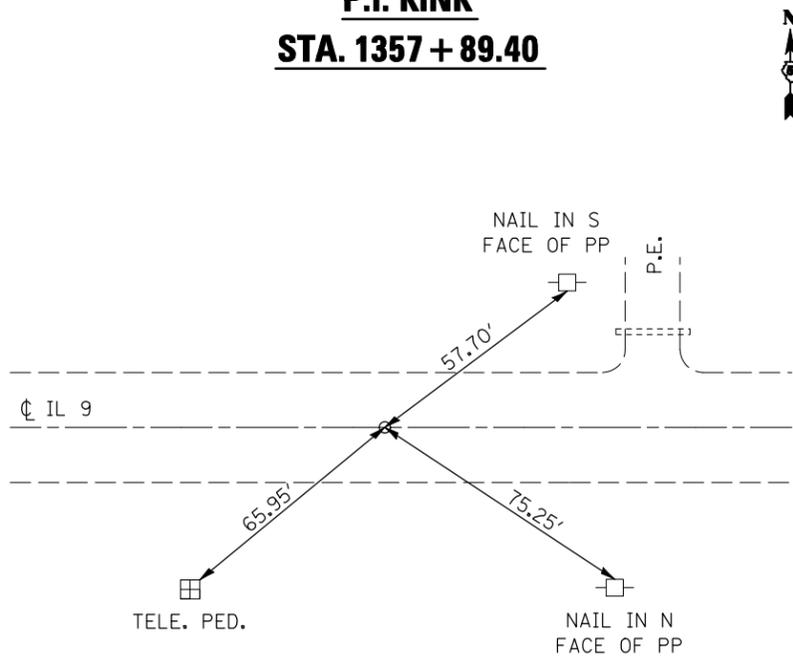
**P.I.**  
**STA. 1327 + 66.32, 0.21' RT.**



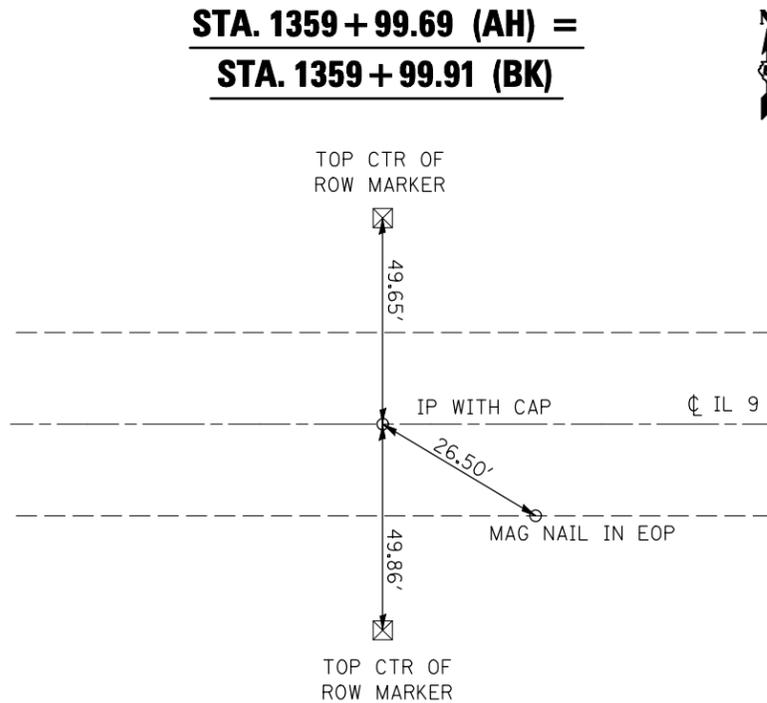
**P.T.**  
**STA. 1328 + 39.62**



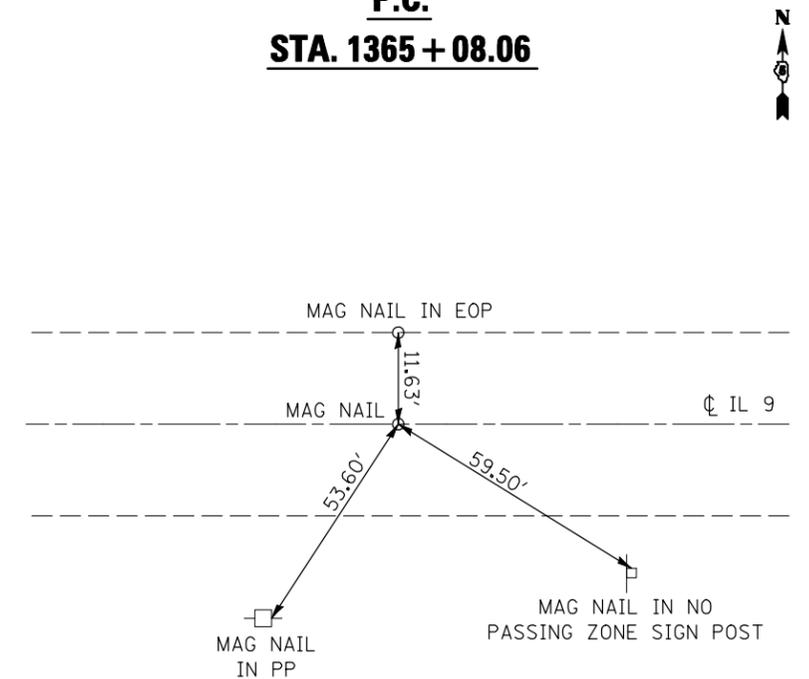
**P.I. KINK**  
**STA. 1357 + 89.40**



**P.O.T. STA EQUATION**  
**STA. 1359 + 99.69 (AH) =**  
**STA. 1359 + 99.91 (BK)**



**P.C.**  
**STA. 1365 + 08.06**



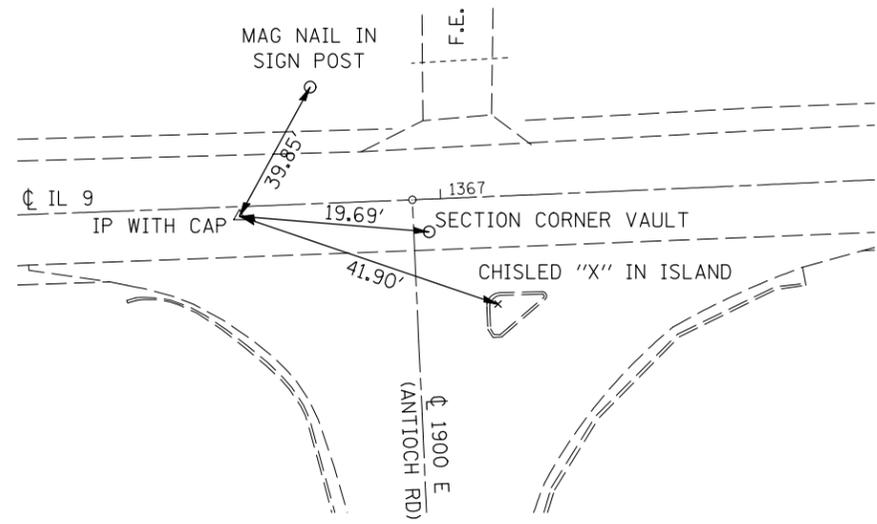
FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -
ct:\pw\work\PWIDOT\CEARLOCKJD\dms87652\4590866-sht-ATB.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE -	REVISED -

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

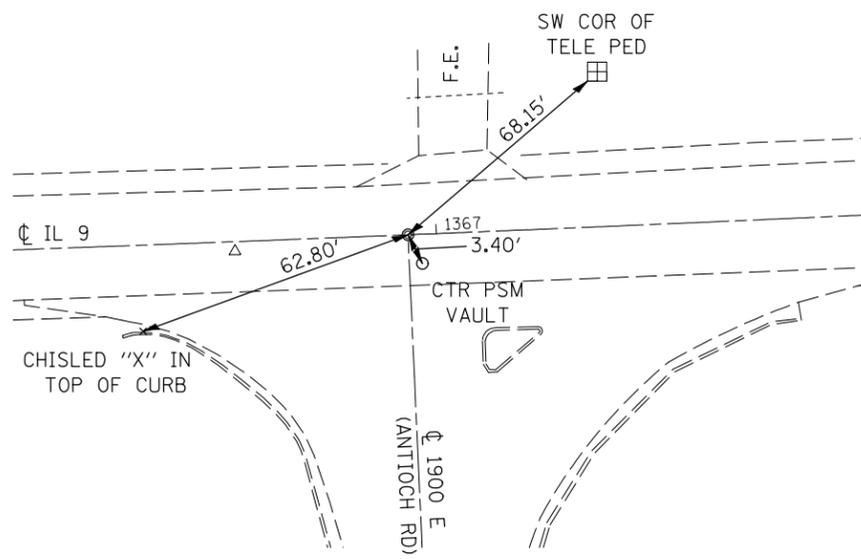
<b>TIE POINTS</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	19
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90866	

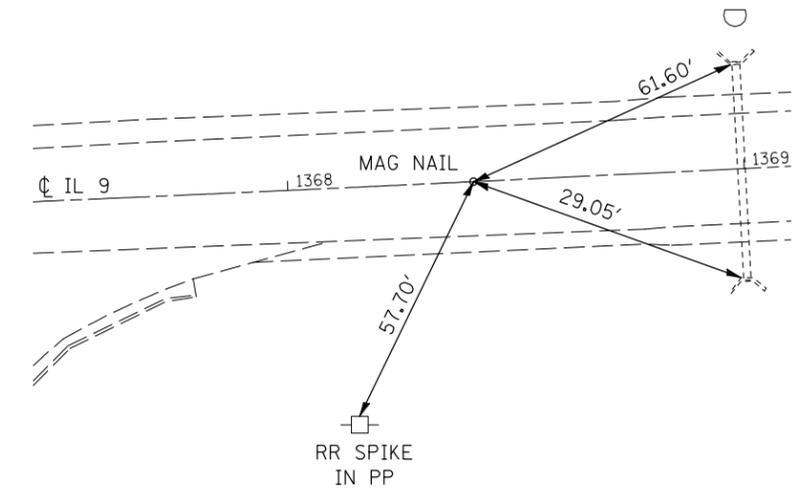
**P.I.**  
**STA. 1366 + 74.38, 0.71' RT.**



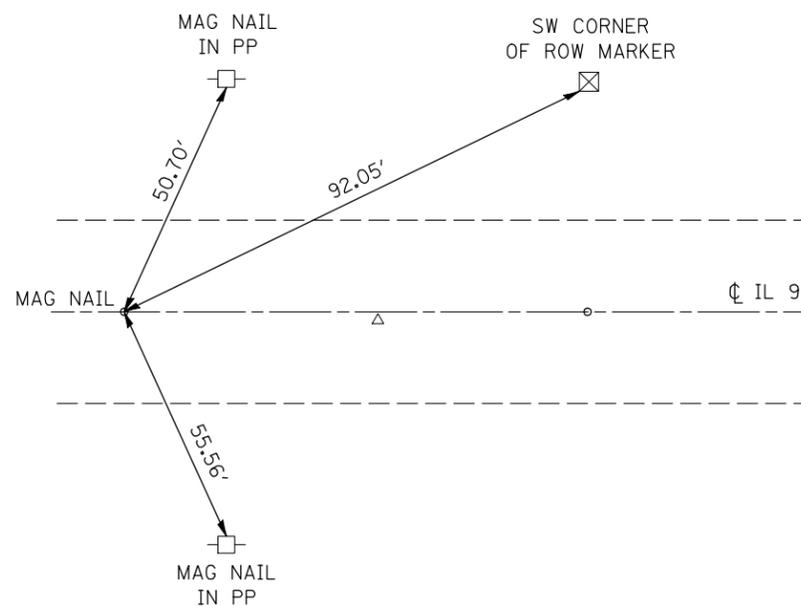
**P.O.T.**  
**STA. 1366 + 93.80 (IL 9)**  
**STA. 100 + 00 (ANTIOCH RD)**



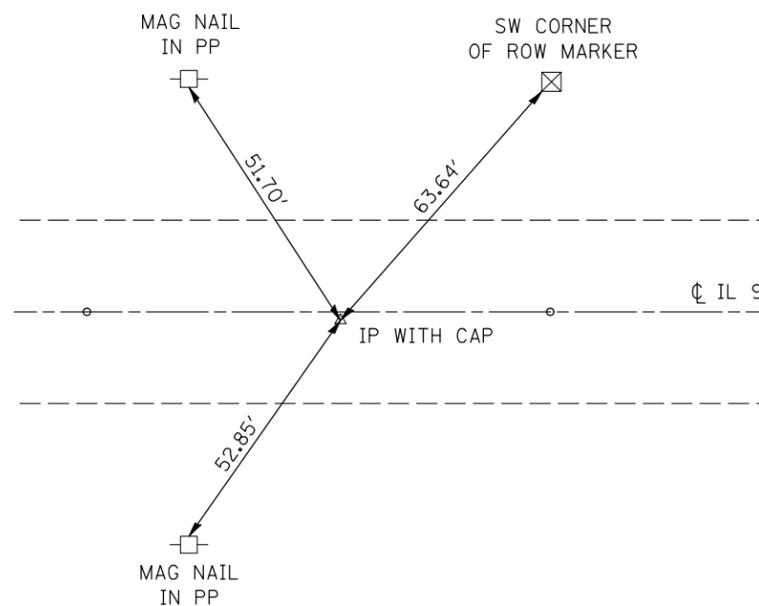
**P.T.**  
**STA. 1368 + 40.68**



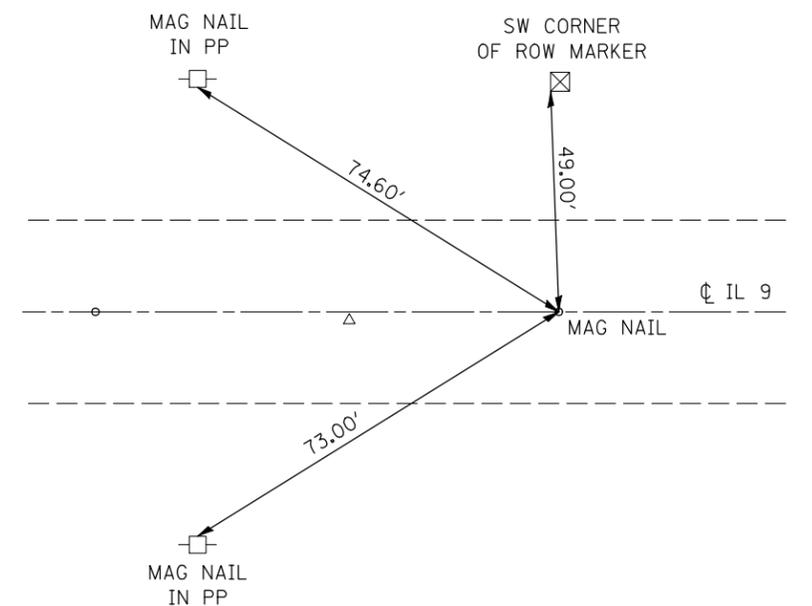
**P.C.**  
**STA. 1374 + 06.93**



**P.I.**  
**STA. 1374 + 44.43, 0.06' RT.**



**P.T.**  
**STA. 1374 + 81.93**



FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -
ct:\pw\work\PWIDOT\CEARLOCKJD\dms87652\4590866-sh1-ATB.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE -	REVISED -

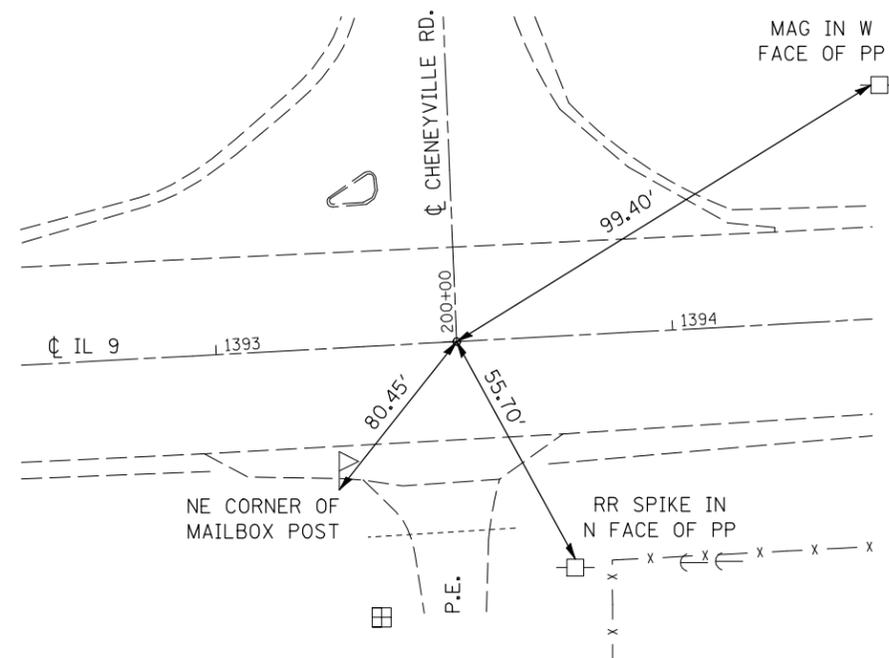
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

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

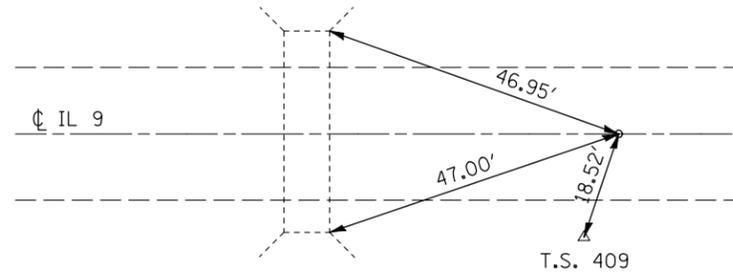
**TIE POINTS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	20
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90866	

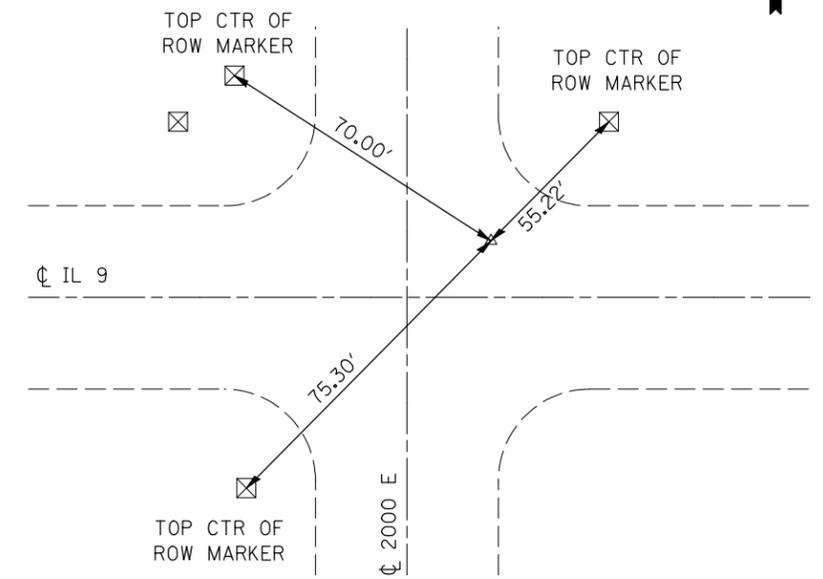
**P.I.**  
**STA. 1393 + 52.70 (IL 9)**  
**STA. 200 + 00.00 (CHENEYVILLE RD)**



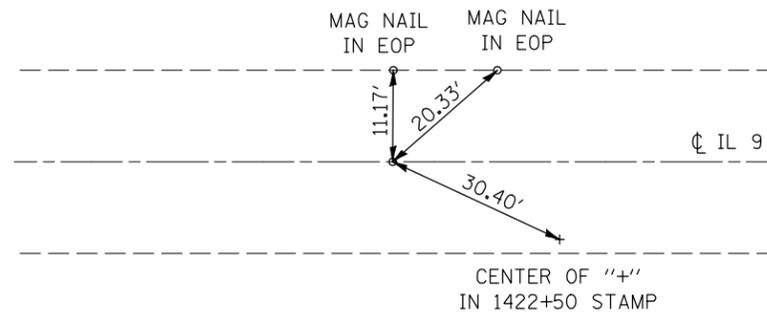
**P.C.**  
**STA. 1418 + 31.38**



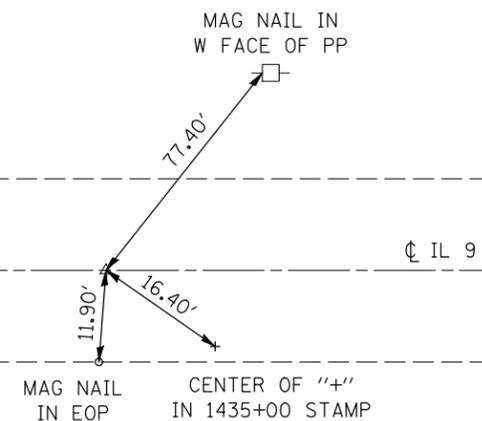
**P.I.**  
**STA. 1420 + 27.08, 2.55' LT**



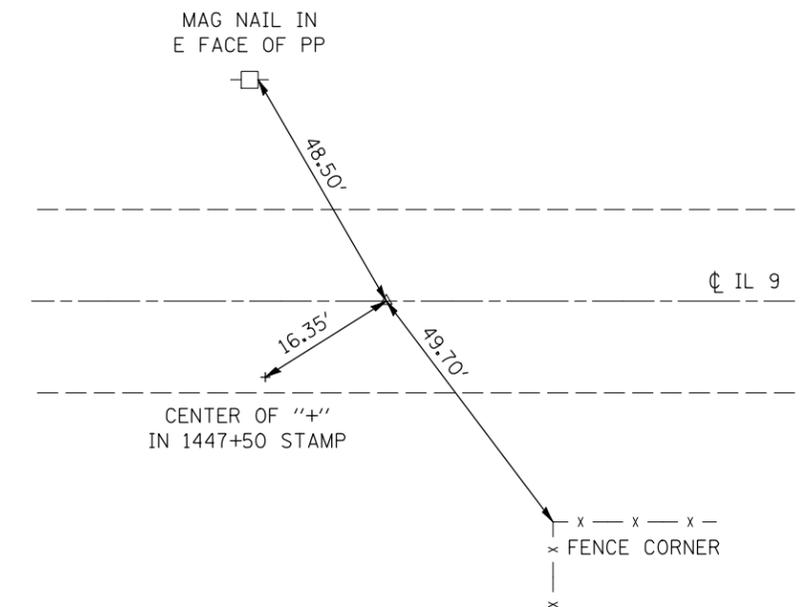
**P.T.**  
**STA. 1422 + 22.69**



**P.I.**  
**STA. 1434 + 90.92**



**P.I.**  
**STA. 1447 + 63.10**



FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

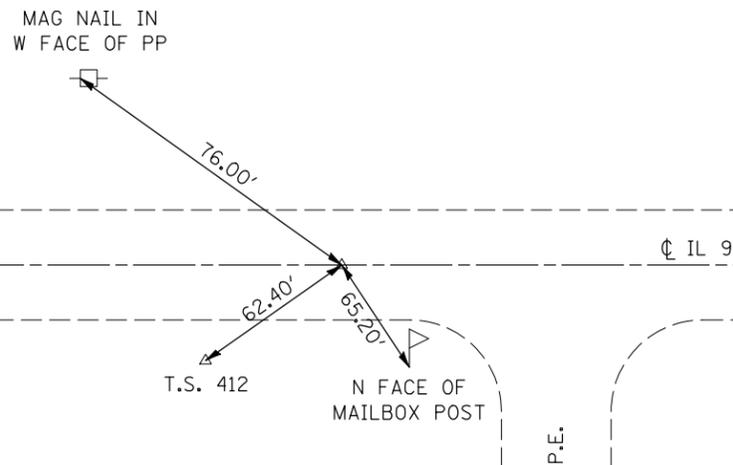
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TIE POINTS**

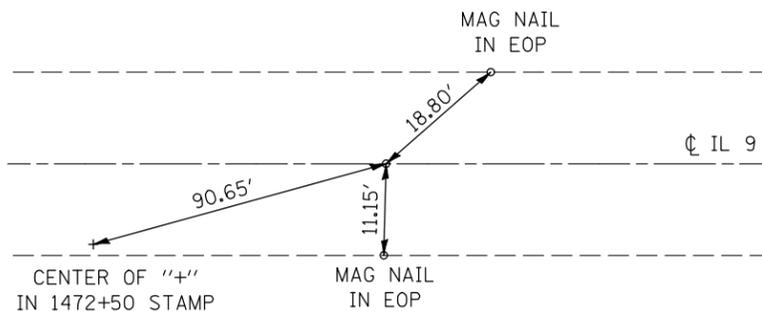
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	21
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90866	

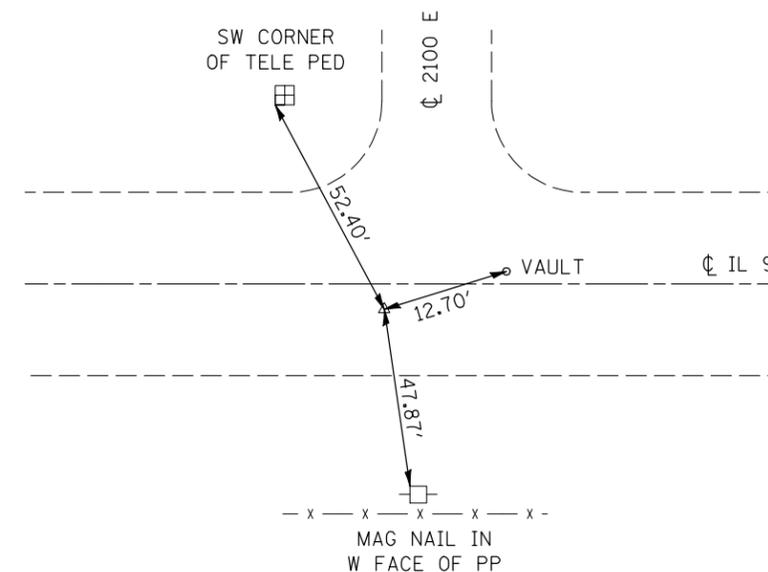
**P.I.**  
**STA. 1458 + 90.58**



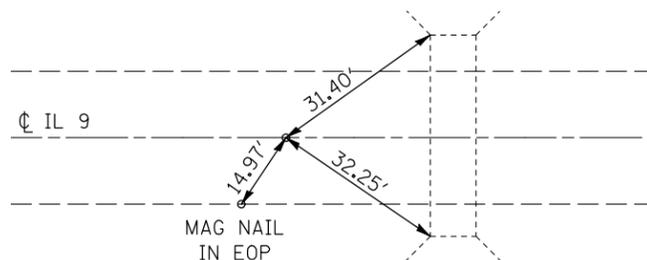
**P.C.**  
**STA. 1473 + 45.81**



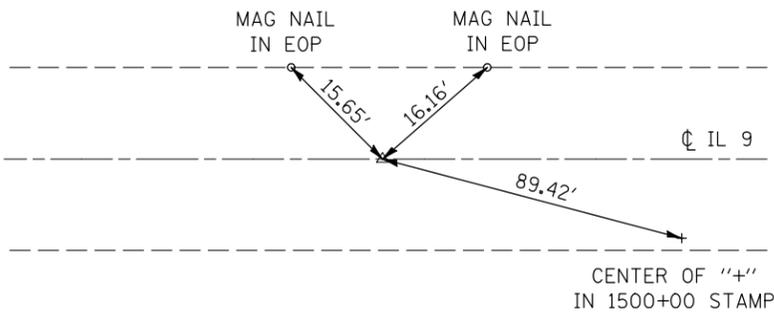
**P.I.**  
**STA. 1474 + 91.48, 1.80' RT.**



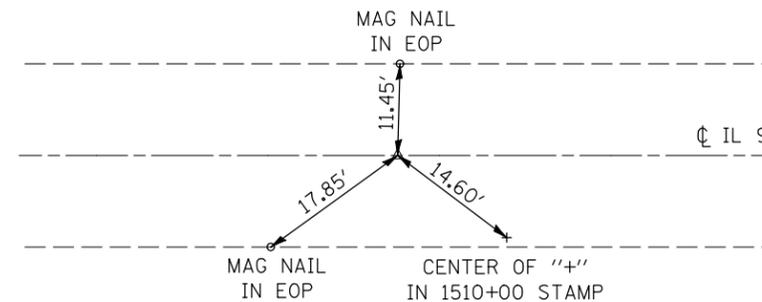
**P.T.**  
**STA. 1476 + 37.08**



**P.I.**  
**STA. 1499 + 13.68**



**P.I.**  
**STA. 1509 + 88.07**



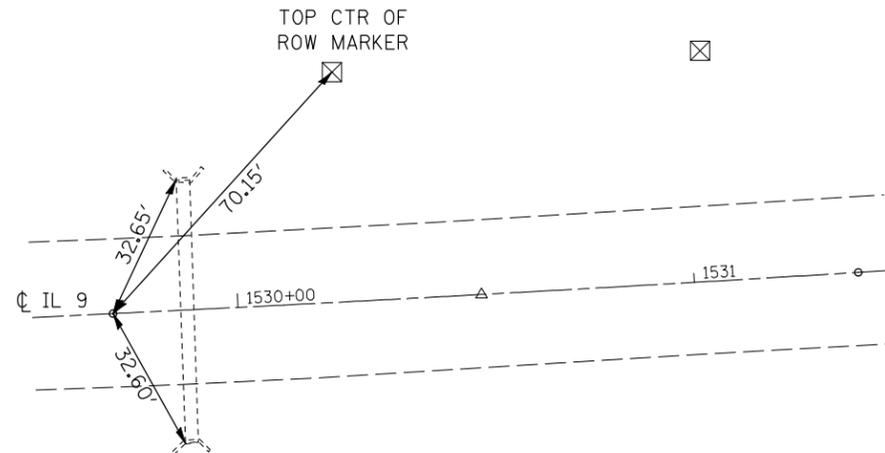
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE -	REVISED -

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

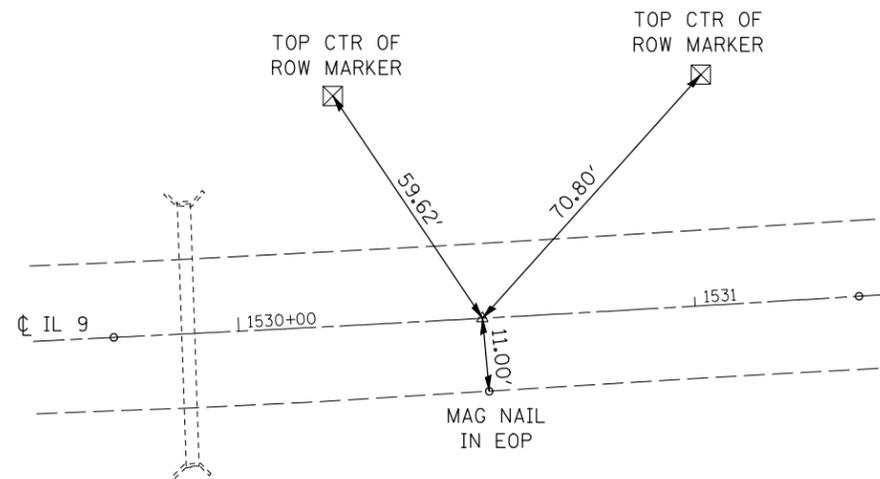
<b>TIE POINTS</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&4GBDR	VERMILION	75	22
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90866	

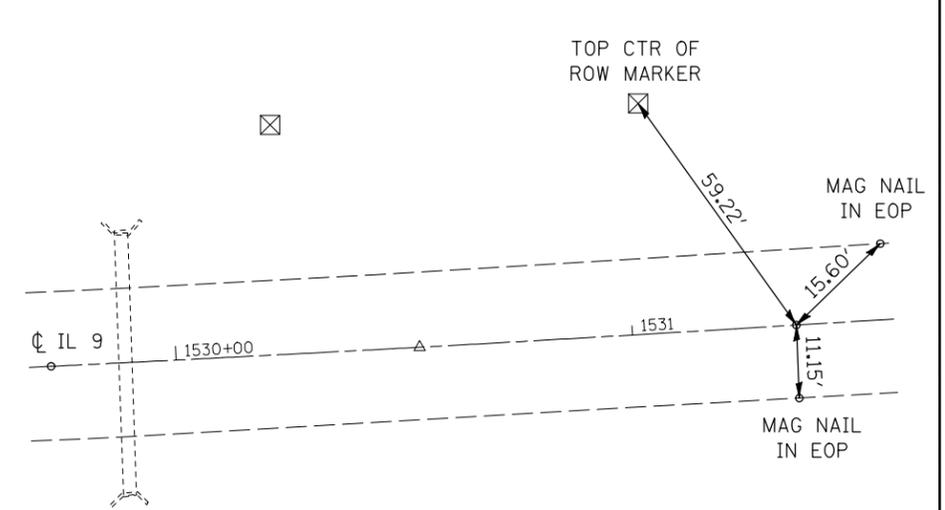
**P.C.**  
**STA. 1529 + 72.60**



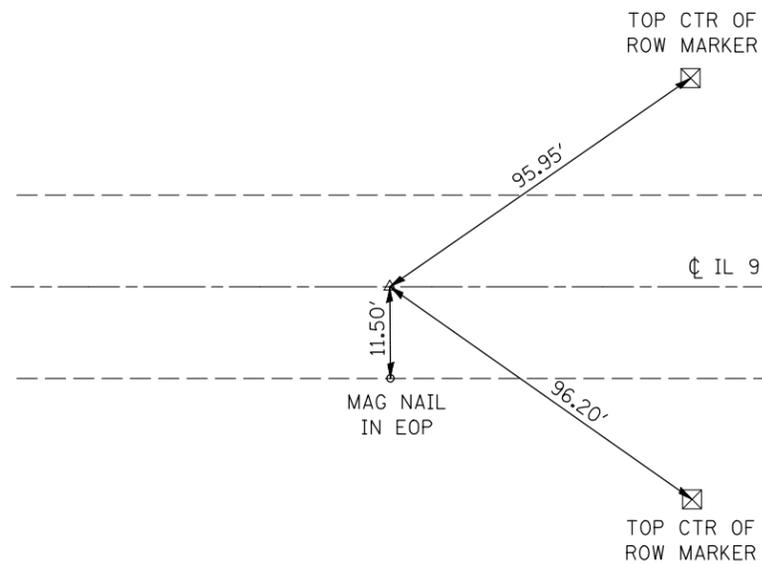
**P.I.**  
**STA. 1530 + 54.27, 0.28' RT.**



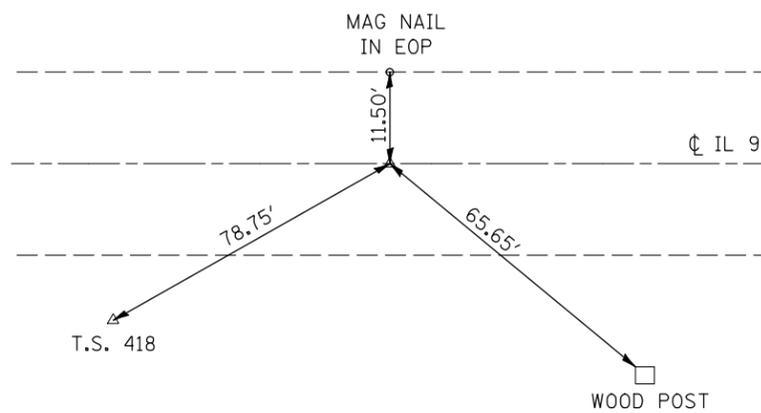
**P.T.**  
**STA. 1531 + 35.93**



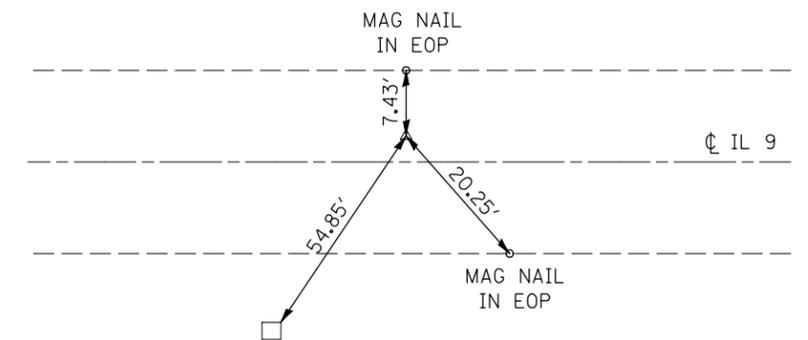
**P.I.**  
**STA. 1539 + 42.44**



**P.C.**  
**STA. 1547 + 86.00**



**P.I.**  
**STA. 1550 + 32.31, 3.86' LT.**



FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE -	REVISED -

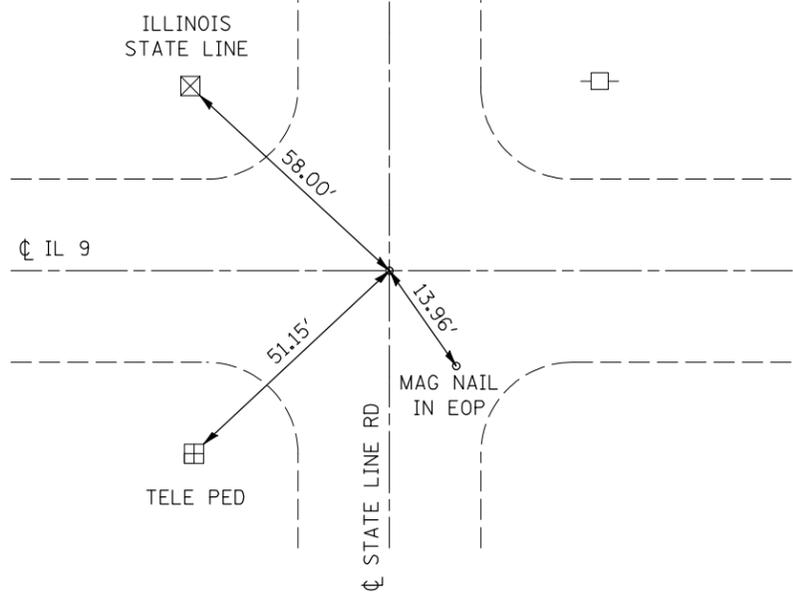
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TIE POINTS**

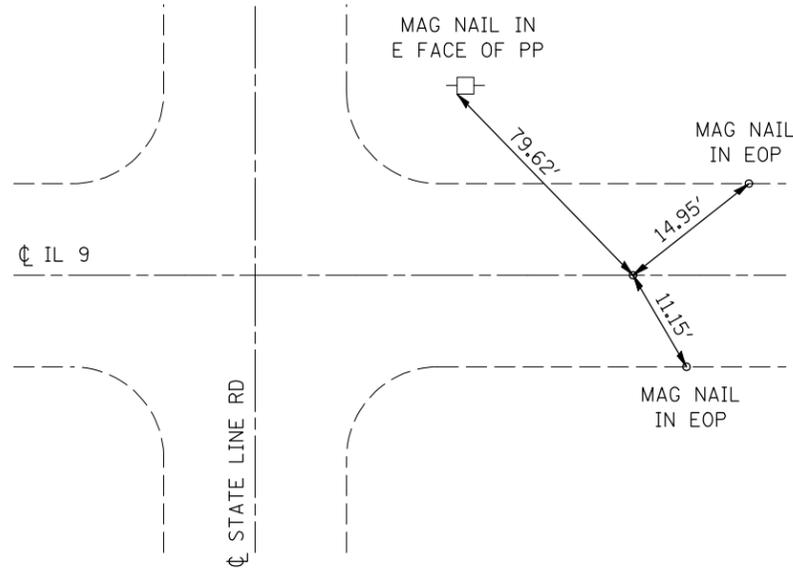
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	23
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90866	

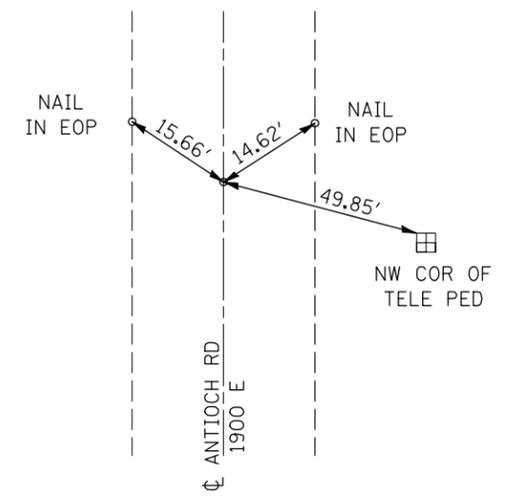
**P.T.**  
**STA. 1552 + 78.45**



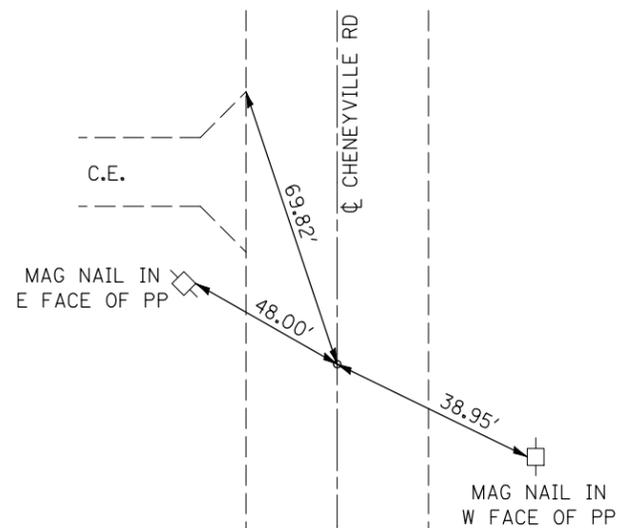
**END POINT**  
**STA. 1554 + 62.77**



**P.O.T.**  
**STA. 93 + 15.00 (ANTIOCH RD)**



**P.O.T.**  
**STA. 206 + 12.02 (CHENEYVILLE RD)**



FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE -	REVISED -

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

<b>TIE POINTS</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90866	

**CLASS D PATCHING SCHEDULE**

STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	DEPTH (INCH)	PATCH AREA	
					(44201803) TYPE II, 13"	(44201807) TYPE III, 13"
					(SQ YD)	(SQ YD)
1226+35	EB	12	6	13	8.0	0.0
1228+57	EB	6	12	13	8.0	0.0
1228+57	WB	6	12	13	8.0	0.0
1229+05	EB	6	12	13	8.0	0.0
1229+05	WB	6	12	13	8.0	0.0
1229+58	EB	8	12	13	10.7	0.0
1229+58	WB	8	12	13	10.7	0.0
1232+82	EB	8	12	13	10.7	0.0
1232+82	WB	8	12	13	10.7	0.0
1233+44	EB	12	12	13	0.0	16.0
1233+44	WB	12	12	13	0.0	16.0
1234+71	EB	8	12	13	10.7	0.0
1234+71	WB	8	12	13	10.7	0.0
1235+26	EB	6	12	13	8.0	0.0
1235+26	WB	6	12	13	8.0	0.0
1235+84	EB	10	12	13	13.3	0.0
1235+84	WB	10	12	13	13.3	0.0
1236+35	EB	6	12	13	8.0	0.0
1236+35	WB	6	12	13	8.0	0.0
1238+07	EB	6	12	13	8.0	0.0
1238+07	WB	6	12	13	8.0	0.0
1240+04	EB	10	12	13	13.3	0.0
1240+04	WB	10	12	13	13.3	0.0
1241+04	EB	8	12	13	10.7	0.0
1241+04	WB	8	12	13	10.7	0.0
1241+74	EB	10	12	13	13.3	0.0
1241+74	WB	10	12	13	13.3	0.0
1244+59	EB	8	12	13	10.7	0.0
1244+59	WB	8	12	13	10.7	0.0
1245+45	EB	10	12	13	13.3	0.0
1245+45	WB	6	12	13	8.0	0.0
1245+71	EB	6	12	13	8.0	0.0
1245+71	WB	6	12	13	8.0	0.0
1247+89	EB	12	12	13	0.0	16.0
1247+89	WB	12	12	13	0.0	16.0
1248+39	EB	6	12	13	8.0	0.0
1248+39	WB	6	12	13	8.0	0.0
1251+06	EB	8	12	13	10.7	0.0

STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	DEPTH (INCH)	PATCH AREA	
					(44201803) TYPE II, 13"	(44201807) TYPE III, 13"
					(SQ YD)	(SQ YD)
1251+06	WB	8	12	13	10.7	0.0
1252+29	EB	6	12	13	8.0	0.0
1252+29	WB	6	12	13	8.0	0.0
1254+62	EB	8	12	13	10.7	0.0
1254+62	WB	8	12	13	10.7	0.0
1255+11	EB	6	12	13	8.0	0.0
1255+11	WB	6	12	13	8.0	0.0
1257+19	EB	8	12	13	10.7	0.0
1257+19	WB	8	12	13	10.7	0.0
1257+97	EB	6	12	13	8.0	0.0
1257+97	WB	6	12	13	8.0	0.0
1258+31	EB	12	12	13	0.0	16.0
1258+31	WB	12	12	13	0.0	16.0
1261+50	EB	10	12	13	13.3	0.0
1261+50	WB	10	12	13	13.3	0.0
1373+70	EB	8	12	13	10.7	0.0
1373+70	WB	8	12	13	10.7	0.0
1374+22	EB	6	12	13	8.0	0.0
1374+22	WB	6	12	13	8.0	0.0
1374+82	EB	6	12	13	8.0	0.0
1374+82	WB	6	12	13	8.0	0.0
1375+23	EB	8	12	13	10.7	0.0
1375+23	WB	8	12	13	10.7	0.0
1376+21	EB	6	12	13	8.0	0.0
1376+21	WB	6	12	13	8.0	0.0
<b>TOTAL =</b>					<b>558.0</b>	<b>96.0</b>

FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULES</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	25
ILLINOIS FED. AID PROJECT				CONTRACT NO. 90866

**CLASS D PATCHING SCHEDULE**

STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	DEPTH (INCH)	PATCH AREA		
					(44201815)	(44201819)	(44201821)
					TYPE II, 14" (SQ YD)	TYPE III, 14" (SQ YD)	TYPE IV, 14" (SQ YD)
1207+36	EB	6	12	14	8.0	0.0	0.0
1207+36	WB	6	12	14	8.0	0.0	0.0
1209+80	EB	6	12	14	8.0	0.0	0.0
1209+80	WB	6	12	14	8.0	0.0	0.0
1214+19	EB	12	12	14	0.0	16.0	0.0
1214+19	WB	8	12	14	10.7	0.0	0.0
1215+61	EB	8	12	14	10.7	0.0	0.0
1215+61	WB	8	12	14	10.7	0.0	0.0
1216+14	EB	8	12	14	10.7	0.0	0.0
1216+14	WB	8	12	14	10.7	0.0	0.0
1217+06	EB	12	12	14	0.0	16.0	0.0
1217+06	WB	16	12	14	0.0	21.3	0.0
1219+06	EB	12	12	14	0.0	16.0	0.0
1219+06	WB	12	12	14	0.0	16.0	0.0
1224+91	EB	8	12	14	10.7	0.0	0.0
1224+91	WB	8	12	14	10.7	0.0	0.0
1225+70	EB	15	12	14	0.0	20.0	0.0
1225+70	WB	15	12	14	0.0	20.0	0.0
1287+20	EB	6	12	14	8.0	0.0	0.0
1289+75	EB	6	12	14	8.0	0.0	0.0
1318+55	WB	6	12	14	8.0	0.0	0.0
1323+02	WB	8	12	14	10.7	0.0	0.0
1324+43	EB	6	12	14	8.0	0.0	0.0
1324+43	WB	6	12	14	8.0	0.0	0.0
1348+79	EB	10	12	14	13.3	0.0	0.0
1348+79	WB	10	12	14	13.3	0.0	0.0
1353+00	EB	10	12	14	13.3	0.0	0.0
1353+00	WB	10	12	14	13.3	0.0	0.0
1355+64	EB	25	12	14	0.0	0.0	33.3
1355+64	WB	8	12	14	10.7	0.0	0.0
1357+32	EB	6	12	14	8.0	0.0	0.0
1359+41	EB	8	12	14	10.7	0.0	0.0
1359+41	WB	8	12	14	10.7	0.0	0.0
1361+28	EB	6	12	14	8.0	0.0	0.0
1361+28	WB	6	12	14	8.0	0.0	0.0
1361+67	EB	6	12	14	8.0	0.0	0.0
1361+67	WB	6	12	14	8.0	0.0	0.0
1362+02	EB	16	12	14	0.0	21.3	0.0

STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	DEPTH (INCH)	PATCH AREA		
					(44201815)	(44201819)	(44201821)
					TYPE II, 14" (SQ YD)	TYPE III, 14" (SQ YD)	TYPE IV, 14" (SQ YD)
1362+02	WB	16	12	14	0.0	21.3	0.0
1364+57	EB	6	12	14	8.0	0.0	0.0
1364+57	WB	6	12	14	8.0	0.0	0.0
1364+91	EB	6	12	14	8.0	0.0	0.0
1364+91	WB	6	12	14	8.0	0.0	0.0
1378+07	EB	12	12	14	0.0	16.0	0.0
1378+07	WB	12	12	14	0.0	16.0	0.0
1380+31	EB	12	12	14	0.0	16.0	0.0
1380+31	WB	12	12	14	0.0	16.0	0.0
1380+82	EB	6	12	14	8.0	0.0	0.0
1380+82	WB	6	12	14	8.0	0.0	0.0
1381+05	EB	6	12	14	8.0	0.0	0.0
1381+35	EB	8	12	14	10.7	0.0	0.0
1381+35	WB	8	12	14	10.7	0.0	0.0
1381+64	EB	6	12	14	8.0	0.0	0.0
1381+64	WB	6	12	14	8.0	0.0	0.0
1381+99	EB	8	12	14	10.7	0.0	0.0
1381+99	WB	8	12	14	10.7	0.0	0.0
1383+50	EB	8	12	14	10.7	0.0	0.0
1383+50	WB	6	12	14	8.0	0.0	0.0
1383+91	EB	6	12	14	8.0	0.0	0.0
1383+91	WB	6	12	14	8.0	0.0	0.0
1384+62	EB	20	12	14	0.0	0.0	26.7
1384+62	WB	20	12	14	0.0	0.0	26.7
1401+76	EB	20	12	14	0.0	0.0	26.7
1401+76	WB	20	12	14	0.0	0.0	26.7
1402+01	EB	6	12	14	8.0	0.0	0.0
1402+01	WB	6	12	14	8.0	0.0	0.0
1402+49	EB	6	12	14	8.0	0.0	0.0
1402+49	WB	6	12	14	8.0	0.0	0.0
1402+67	EB	6	12	14	8.0	0.0	0.0
1402+67	WB	6	12	14	8.0	0.0	0.0
1402+89	EB	6	12	14	8.0	0.0	0.0
1402+89	WB	6	12	14	8.0	0.0	0.0
1404+85	EB	10	12	14	13.3	0.0	0.0
1404+85	WB	10	12	14	13.3	0.0	0.0
1407+44	EB	30	12	14	0.0	0.0	40.0

**CLASS D PATCHING SCHEDULE**

STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	DEPTH (INCH)	PATCH AREA		
					(44201815)	(44201819)	(44201821)
					TYPE II, 14" (SQ YD)	TYPE III, 14" (SQ YD)	TYPE IV, 14" (SQ YD)
1408+01	EB	8	12	14	10.7	0.0	0.0
1408+01	WB	6	12	14	8.0	0.0	0.0
1411+14	EB	20	12	14	0.0	0.0	26.7
1411+14	WB	20	12	14	0.0	0.0	26.7
1412+11	EB	12	12	14	0.0	16.0	0.0
1412+11	WB	8	12	14	10.7	0.0	0.0
1412+50	EB	6	12	14	8.0	0.0	0.0
1412+50	WB	6	12	14	8.0	0.0	0.0
1415+14	EB	20	12	14	0.0	0.0	26.7
1415+52	WB	10	12	14	13.3	0.0	0.0
1417+92	EB	30	12	14	0.0	0.0	40.0
1417+92	WB	30	12	14	0.0	0.0	40.0
1419+85	EB	20	12	14	0.0	0.0	26.7
1426+20	EB	12	12	14	0.0	16.0	0.0
1426+43	EB	6	12	14	8.0	0.0	0.0
1426+64	EB	6	12	14	8.0	0.0	0.0
1430+97	EB	6	12	14	8.0	0.0	0.0
1430+97	WB	6	12	14	8.0	0.0	0.0
1431+32	EB	6	12	14	8.0	0.0	0.0
1431+32	WB	6	12	14	8.0	0.0	0.0
1431+67	EB	10	12	14	13.3	0.0	0.0
1432+25	EB	6	12	14	8.0	0.0	0.0
1432+25	WB	6	12	14	8.0	0.0	0.0
1432+53	EB	6	12	14	8.0	0.0	0.0
1432+53	WB	6	12	14	8.0	0.0	0.0
1433+05	EB	6	12	14	8.0	0.0	0.0
1433+05	WB	6	12	14	8.0	0.0	0.0
1433+44	EB	6	12	14	8.0	0.0	0.0
1433+44	WB	6	12	14	8.0	0.0	0.0
1434+15	EB	6	12	14	8.0	0.0	0.0
1434+15	WB	6	12	14	8.0	0.0	0.0
1435+05	EB	6	12	14	8.0	0.0	0.0
1435+05	WB	6	12	14	8.0	0.0	0.0
1438+15	EB	6	12	14	8.0	0.0	0.0
1438+15	WB	6	12	14	8.0	0.0	0.0
1438+60	EB	6	12	14	8.0	0.0	0.0
1438+60	WB	10	12	14	13.3	0.0	0.0

STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	DEPTH (INCH)	PATCH AREA		
					(44201815)	(44201819)	(44201821)
					TYPE II, 14" (SQ YD)	TYPE III, 14" (SQ YD)	TYPE IV, 14" (SQ YD)
1438+86	EB	6	12	14	8.0	0.0	0.0
1438+86	WB	6	12	14	8.0	0.0	0.0
1439+06	EB	6	12	14	8.0	0.0	0.0
1439+06	WB	6	12	14	8.0	0.0	0.0
1439+50	EB	6	12	14	8.0	0.0	0.0
1439+50	WB	6	12	14	8.0	0.0	0.0
1439+78	EB	10	12	14	13.3	0.0	0.0
1439+78	WB	10	12	14	13.3	0.0	0.0
1440+12	EB	6	12	14	8.0	0.0	0.0
1440+12	WB	6	12	14	8.0	0.0	0.0
1440+33	EB	6	12	14	8.0	0.0	0.0
1440+33	WB	6	12	14	8.0	0.0	0.0
1440+59	EB	6	12	14	8.0	0.0	0.0
1440+84	EB	6	12	14	8.0	0.0	0.0
1440+84	WB	6	12	14	8.0	0.0	0.0
1441+16	EB	6	12	14	8.0	0.0	0.0
1441+16	WB	6	12	14	8.0	0.0	0.0
1443+09	EB	15	12	14	0.0	20.0	0.0
1443+09	WB	15	12	14	0.0	20.0	0.0
1445+76	EB	6	12	14	8.0	0.0	0.0
1445+76	WB	6	12	14	8.0	0.0	0.0
1446+26	EB	6	12	14	8.0	0.0	0.0
1446+26	WB	6	12	14	8.0	0.0	0.0
1446+47	EB	10	12	14	13.3	0.0	0.0
1446+47	WB	10	12	14	13.3	0.0	0.0
1450+78	EB	6	12	14	8.0	0.0	0.0
1450+78	WB	6	12	14	8.0	0.0	0.0
1451+14	EB	10	12	14	13.3	0.0	0.0
1451+14	WB	10	12	14	13.3	0.0	0.0
1451+39	EB	6	12	14	8.0	0.0	0.0
1451+39	WB	6	12	14	8.0	0.0	0.0
1460+76	EB	6	12	14	8.0	0.0	0.0
1460+76	WB	6	12	14	8.0	0.0	0.0
1461+83	EB	6	12	14	8.0	0.0	0.0
1461+83	WB	6	12	14	8.0	0.0	0.0
1464+56	EB	6	12	14	8.0	0.0	0.0
1464+56	WB	6	12	14	8.0	0.0	0.0

**CLASS D PATCHING SCHEDULE**

STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	DEPTH (INCH)	PATCH AREA		
					(44201815)	(44201819)	(44201821)
					TYPE II, 14" (SQ YD)	TYPE III, 14" (SQ YD)	TYPE IV, 14" (SQ YD)
1465+03	EB	6	12	14	8.0	0.0	0.0
1465+03	WB	6	12	14	8.0	0.0	0.0
1465+25	EB	6	12	14	8.0	0.0	0.0
1465+25	WB	6	12	14	8.0	0.0	0.0
1466+33	EB	6	12	14	8.0	0.0	0.0
1466+33	WB	6	12	14	8.0	0.0	0.0
1470+92	EB	10	12	14	13.3	0.0	0.0
1470+92	WB	10	12	14	13.3	0.0	0.0
1472+33	EB	6	12	14	8.0	0.0	0.0
1472+33	WB	6	12	14	8.0	0.0	0.0
1473+92	EB	6	12	14	8.0	0.0	0.0
1473+92	WB	6	12	14	8.0	0.0	0.0
1474+38	EB	20	12	14	0.0	0.0	26.7
1474+38	WB	6	12	14	8.0	0.0	0.0
1474+99	EB	6	12	14	8.0	0.0	0.0
1474+99	WB	6	12	14	8.0	0.0	0.0
1479+13	EB	6	12	14	8.0	0.0	0.0
1479+13	WB	6	12	14	8.0	0.0	0.0
1479+81	EB	8	12	14	10.7	0.0	0.0
1479+81	WB	8	12	14	10.7	0.0	0.0
1482+37	EB	6	12	14	8.0	0.0	0.0
1482+37	WB	6	12	14	8.0	0.0	0.0
1482+67	EB	6	12	14	8.0	0.0	0.0
1482+67	WB	6	12	14	8.0	0.0	0.0
1483+20	EB	8	12	14	10.7	0.0	0.0
1483+20	WB	6	12	14	8.0	0.0	0.0
1483+39	EB	6	12	14	8.0	0.0	0.0
1483+39	WB	6	12	14	8.0	0.0	0.0
1483+91	EB	6	12	14	8.0	0.0	0.0
1483+91	WB	6	12	14	8.0	0.0	0.0
1485+35	EB	10	12	14	13.3	0.0	0.0
1485+35	WB	10	12	14	13.3	0.0	0.0
1495+47	EB	6	12	14	8.0	0.0	0.0
1495+47	WB	6	12	14	8.0	0.0	0.0
1495+78	EB	12	12	14	0.0	16.0	0.0
1495+78	WB	12	12	14	0.0	16.0	0.0
1496+30	EB	6	12	14	8.0	0.0	0.0

STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	DEPTH (INCH)	PATCH AREA		
					(44201815)	(44201819)	(44201821)
					TYPE II, 14" (SQ YD)	TYPE III, 14" (SQ YD)	TYPE IV, 14" (SQ YD)
1496+30	WB	6	12	14	8.0	0.0	0.0
1496+57	EB	6	12	14	8.0	0.0	0.0
1496+57	WB	6	12	14	8.0	0.0	0.0
1497+23	EB	6	12	14	8.0	0.0	0.0
1497+23	WB	6	12	14	8.0	0.0	0.0
1498+02	EB	6	12	14	8.0	0.0	0.0
1498+02	WB	6	12	14	8.0	0.0	0.0
1505+24	EB	6	12	14	8.0	0.0	0.0
1505+24	WB	6	12	14	8.0	0.0	0.0
1505+76	EB	6	12	14	8.0	0.0	0.0
1505+76	WB	6	12	14	8.0	0.0	0.0
1506+23	EB	6	12	14	8.0	0.0	0.0
1508+01	EB	6	12	14	8.0	0.0	0.0
1508+01	WB	6	12	14	8.0	0.0	0.0
1510+20	EB	6	12	14	8.0	0.0	0.0
1510+20	WB	6	12	14	8.0	0.0	0.0
1515+16	EB	8	12	14	10.7	0.0	0.0
1515+16	WB	8	12	14	10.7	0.0	0.0
1518+74	EB	6	12	14	8.0	0.0	0.0
1518+74	WB	6	12	14	8.0	0.0	0.0
1519+32	EB	6	12	14	8.0	0.0	0.0
1519+32	WB	6	12	14	8.0	0.0	0.0
1521+30	EB	12	12	14	0.0	16.0	0.0
1521+30	WB	6	12	14	8.0	0.0	0.0
1522+36	EB	6	12	14	8.0	0.0	0.0
1522+36	WB	6	12	14	8.0	0.0	0.0
1538+77	EB	12	12	14	0.0	16.0	0.0
1538+77	WB	12	12	14	0.0	16.0	0.0
1543+29	EB	12	12	14	0.0	16.0	0.0
1543+29	WB	12	12	14	0.0	16.0	0.0
1543+99	EB	6	12	14	8.0	0.0	0.0
1543+99	WB	6	12	14	8.0	0.0	0.0
1545+43	EB	6	12	14	8.0	0.0	0.0
1545+43	WB	6	12	14	8.0	0.0	0.0
1547+78	EB	10	12	14	13.3	0.0	0.0
1547+78	WB	6	12	14	8.0	0.0	0.0
1547+98	EB	6	12	14	8.0	0.0	0.0
1547+98	WB	6	12	14	8.0	0.0	0.0
<b>TOTAL =</b>					<b>1664.0</b>	<b>416.0</b>	<b>394.0</b>

FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -
ce:\pw\work\PIWIDOT\CEARLOCKJD\dms87652\0590866-sht-schedule.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULES</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	28
CONTRACT NO. 90866				
ILLINOIS FED. AID PROJECT				

**CLASS D PATCHING SCHEDULE**

STATION	DIRECTION	LANE	LENGTH (FT)	WIDTH (FT)	DEPTH (INCH)	PATCH AREA		
						(44201839) TYPE II, 16"	(44201843) TYPE III, 16"	(44201845) TYPE IV, 16"
						(SQ YD)	(SQ YD)	(SQ YD)
1391+30	EB	DL	8	12	16	10.7	0.0	0.0
1391+30	WB	DL	8	12	16	10.7	0.0	0.0
1391+30	EB	TURN	8	18	16	0.0	16.0	0.0
1391+80	EB	TURN	20	18	16	0.0	0.0	40.0
1391+80	EB	DL	20	12	16	0.0	0.0	26.7
1396+96	EB	DL	8	12	16	10.7	0.0	0.0
1396+96	WB	DL	8	12	16	10.7	0.0	0.0
<b>TOTAL =</b>						<b>43.0</b>	<b>16.0</b>	<b>67.0</b>

STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	DEPTH (INCH)	PATCH AREA
					(44201914) TYPE II, 22"
					(SQ YD)
1289+15	EB	8	12	22	10.7
1289+15	WB	8	12	22	10.7
1489+85	EB	8	12	22	10.7
1489+85	WB	8	12	22	10.7
1524+86	EB	6	12	22	8.0
1524+86	WB	6	12	22	8.0
<b>TOTAL =</b>					<b>59.0</b>

**AGGREGATE SHOULDERS, TYPE B (48101200)**

RIGHT SHOULDER						LEFT SHOULDER										
STATION	TO	STATION	LENGTH-FT.	WIDTH-FT.	DEPTH-IN.	W*L*(D/12)/27 CU.YD.	CU.YD.* 1.8 TONS	STATION	TO	STATION	LENGTH-FT.	WIDTH-FT.	DEPTH-IN.	W*L*(D/12)/27 CU.YD.	CU.YD.* 1.8 TONS	
1207+00.00		1239+80.00	3,280.00	4.0	1.5	60.7	109.3	1207+00.00		1239+50.00	3,250.00	4.0	1.5	60.2	108.3	
1246+40.00		1304+62.33	5,822.33	4.0	1.5	107.8	194.1	1246+10.00		1304+62.33	5,852.33	4.0	1.5	108.4	195.1	
1304+69.67		1366+25.00	6,155.33	4.0	1.5	114.0	205.2	1304+69.67		1372+56.30	6,786.63	4.0	1.5	125.7	226.2	
1367+80.00		1372+56.30	476.30	4.0	1.5	8.8	15.9	1372+65.50		1552+29.35	17,963.85	4.0	1.5	332.7	598.8	
1372+65.50		1552+29.35	17,963.85	4.0	1.5	332.7	598.8									
<b>TOTAL =</b>							<b>1,123.0</b>	<b>TOTAL =</b>							<b>1,128.0</b>	
<b>GRAND TOTAL =</b>															<b>2,251.0</b>	

**HMA SURFACE REMOVAL - BUTT JOINT (40600982)**

STATION	STATION	LENGTH (FT)	WIDTH (FT)	SQ YD
1207+00.00	1207+30.00	30.0	24.0	80.0
1304+32.33	1304+62.33	30.0	24.0	80.0
1304+69.67	1304+99.67	30.0	24.0	80.0
1372+26.30	1372+56.30	30.0	24.0	80.0
1372+65.50	1372+95.50	30.0	24.0	80.0
1551+99.35	1552+29.35	30.0	24.0	80.0
<b>TOTAL =</b>				<b>480.0</b>

**HMA SURFACE REMOVAL 3/4" (44000152)**

STATION	STATION	LENGTH (FT)	WIDTH (FT)	SQ YD
1207+30.00	1241+73.83	3443.83	24.0	9183.55
1241+73.83	1242+18.83	45.00	30.0	150.00
1244+05.17	1244+50.17	45.00	30.0	150.00
1244+50.17	1304+32.33	5982.16	24.0	15952.43
1304+99.67	1366+05.00	6105.33	24.0	16280.88
1368+00.00	1372+26.30	426.30	24.0	1136.80
1372+95.50	1386+05.10	1309.60	24.0	3492.27
1386+05.10	1389+00.00	294.90	33.0	1081.30
1389+00.00	1395+00.00	600.00	42.0	2800.00
1395+00.00	1397+75.30	275.30	33.0	1009.43
1397+75.30	1551+99.35	15424.05	24.0	41130.80
<b>TOTAL =</b>				<b>92368.0</b>

**TEMPORARY RAMP (40600980)**

STATION	STATION	LENGTH (FT)	WIDTH (FT)	SQ YD
1207+00.00	1207+05.00	5.0	24.0	13.33
1242+33.83	1242+38.83	5.0	24.0	13.33
1243+85.17	1243+90.17	5.0	24.0	13.33
1304+57.33	1304+62.33	5.0	24.0	13.33
1304+69.67	1304+74.67	5.0	24.0	13.33
1372+51.30	1372+56.30	5.0	24.0	13.33
1372+65.50	1372+70.50	5.0	24.0	13.33
1552+24.35	1552+29.35	5.0	24.0	13.33
<b>TOTAL =</b>				<b>107.0</b>

**HMA SURFACE REMOVAL 1 1/2" (44000155)**

STATION	STATION	LENGTH (FT)	WIDTH (FT)	SQ YD
1242+18.83	1242+38.83	20.00	30.0	66.7
1243+85.17	1244+05.17	20.00	30.0	66.7
1366+05.00	1368+00.00	195.00	24.0	520.0
<b>TOTAL =</b>				<b>654.0</b>

**SURVEY MONUMENT COVER ASSEMBLY (Z0070100)**

STATION	OFFSET	EACH
1366+74.38	0.71' RT	1.0
1374+44.43	0.06' RT	1.0
1475+04.25	0.50' LT	1.0
1527+99.00	3.00' RT	1.0
<b>TOTAL =</b>		<b>4.0</b>

**TABULATION OF RESURFACING QUANTITIES**

LOCATION	TOTAL ROADWAY WIDTH	LENGTH FT	AREA SQ YD	(40600100)	(40600300)	(40600625)	(40603310)
				BITUMINOUS MATERIALS PRIME COAT	AGGREGATE PRIME COAT	LEVELING BINDER (MM) N 50 0.75 IN	HMA SURF CSE MIX C, N 50 1.5 IN
				GAL	TON	TON	TON
STA. 1207+00.00 TO STA. 1207+15.00	24.00	15.00	40.00	4.00	0.04		3.36
STA. 1207+15.00 TO STA. 1239+50.00	24.00	3235.00	8626.67	862.67	8.63	362.32	724.64
STA. 1239+50.00 TO STA. 1239+80.00	27.00	30.00	90.00	9.00	0.09	3.36	7.56
STA. 1239+80.00 TO STA. 1241+43.83	30.00	163.83	546.10	54.61	0.55	18.35	45.87
STA. 1241+43.83 TO STA. 1242+38.83	30.00	95.00	316.67	31.67	0.32		26.60
STA. 1243+85.17 TO STA. 1244+80.17	30.00	95.00	316.67	31.67	0.32		26.60
STA. 1244+80.17 TO STA. 1246+10.00	30.00	129.83	432.77	43.28	0.43	14.54	36.35
STA. 1246+10.00 TO STA. 1246+40.00	27.00	30.00	90.00	9.00	0.09	3.36	7.56
STA. 1246+40.00 TO STA. 1304+47.33	24.00	5807.33	15486.21	1548.62	15.49	650.42	1300.84
STA. 1304+47.33 TO STA. 1304+62.33	24.00	15.00	40.00	4.00	0.04		3.36
STA. 1304+69.67 TO STA. 1304+84.67	24.00	15.00	40.00	4.00	0.04		3.36
STA. 1304+84.67 TO STA. 1365+80.00	24.00	6095.33	16254.21	1625.42	16.25	682.68	1365.35
STA. 1365+80.00 TO STA. 1368+25.00	24.00	245.00	653.33	65.33	0.65		54.88
STA. 1368+25.00 TO STA. 1372+41.30	24.00	416.30	1110.13	111.01	1.11	46.63	93.25
STA. 1372+41.30 TO STA. 1372+56.30	24.00	15.00	40.00	4.00	0.04		3.36
STA. 1372+56.30 TO STA. 1372+80.50	24.00	15.00	40.00	4.00	0.04		3.36
STA. 1372+80.50 TO STA. 1386+05.10	24.00	1324.60	3532.27	353.23	3.53	148.36	296.71
STA. 1386+05.10 TO STA. 1389+00.00	33.00	294.90	1081.30	108.13	1.08	45.41	90.83
STA. 1389+00.00 TO STA. 1395+00.00	42.00	600.00	2800.00	280.00	2.80	117.60	235.20
STA. 1395+00.00 TO STA. 1397+75.30	33.00	275.30	1009.43	100.94	1.01	42.40	84.79
STA. 1397+75.30 TO STA. 1552+14.35	24.00	15439.05	41170.80	4117.08	41.17	1729.17	3458.35
STA. 1552+14.35 TO STA. 1552+29.35	24.00	15.00	40.00	4.00	0.04		3.36
<b>SUB-TOTAL</b>				<b>9,375.7</b>	<b>93.8</b>	<b>3,865.0</b>	<b>7,876.0</b>
<b>GRAND-TOTAL</b>				<b>9,376.0</b>	<b>94.0</b>	<b>3,865.0</b>	<b>7,876.0</b>

**INCIDENTAL HOT-MIX ASPHALT SURFACING SCHEDULE**

STATION	ENTRANCE TYPE	AREA (SQ YDS)	TONS (40800050)	BIT PR CT (GAL) (40800010)	AGG PR CT (TON) (40800030)	HMA SURF REM, SPL (SQ YD) (44000196)
1210+24.00 RT	PE	103.3	8.7	10.3	0.10	103.3
1219+90.00 LT	FE	12.8	1.1	1.3	0.01	
1220+18.00 RT	FE	12.0	1.0	1.2	0.01	
1230+98.00 RT	FE	13.5	1.1	1.4	0.01	
1233+32.00 LT	FE	15.2	1.3	1.5	0.02	
1251+80.00 RT	FE	12.0	1.0	1.2	0.01	
1253+04.00 LT	MBTO	42.0	3.5	4.2	0.04	
1253+38.00 RT	PE	34.4	2.9	3.4	0.03	34.4
1253+94.00 LT	FE	12.5	1.1	1.3	0.01	
1256+20.00 LT	MBTO	30.6	2.6	3.1	0.03	
1256+20.00 RT	PE	37.8	3.2	3.8	0.04	
1260+15.00 LT	CR 1700E	154.8	8.1	15.5	0.15	
1260+15.00 RT	CR 1700E	167.5	8.8	16.7	0.17	
1271+40.00 LT	MBTO	50.7	4.3	5.1	0.05	
1271+40.00 RT	PE	38.9	3.3	3.9	0.04	38.9
1273+58.00 RT	PE	107.3	9.0	10.7	0.11	107.3
1273+67.00 LT	FE	13.3	1.1	1.3	0.01	
1275+68.00 RT	PE	37.8	3.2	3.8	0.04	
1287+44.00 LT	FE	13.2	1.1	1.3	0.01	
1287+76.00 RT	FE	14.0	1.2	1.4	0.01	
1308+67.00 RT	FE	14.2	1.2	1.4	0.01	
1314+14.00 LT	PE	67.8	5.7	6.8	0.07	
1314+14.00 RT	FE	12.3	1.0	1.2	0.01	
1326+94.00 LT	PE	44.4	3.7	4.4	0.04	
1327+44.00 RT	CR 1830E	164.4	8.6	16.4	0.16	
1327+54.00 LT	FE	13.3	1.1	1.3	0.01	
1334+67.00 LT	FE	13.3	1.1	1.3	0.01	
1334+67.00 RT	FE	13.3	1.1	1.3	0.01	
1353+47.00 RT	FE	13.3	1.1	1.3	0.01	
1353+60.00 LT	FE	13.3	1.1	1.3	0.01	
1356+53.00 LT	MBTO	44.7	3.8	4.5	0.04	
1356+53.00 RT	PE	40.0	3.4	4.0	0.04	
1357+46.00 LT	MBTO	36.7	3.1	3.7	0.04	
1358+56.00 LT	PE	44.4	3.7	4.4	0.04	
1366+93.80 RT	CR 1900E	866.3	72.8	86.6	0.87	748.6
1367+04.00 LT	FE	16.7	1.4	1.7	0.02	
1369+70.50 RT	CE	64.4	5.4	6.4	0.06	64.4
1371+75.00 LT	FE	13.3	1.1	1.3	0.01	
1374+10.00 LT	MBTO	33.3	2.8	3.3	0.03	
1374+36.00 LT	PE	44.4	3.7	4.4	0.04	
1376+05.00 LT	FE	13.3	1.1	1.3	0.01	
1380+16.00 RT	FE	13.3	1.1	1.3	0.01	
1393+07.50 RT	MBTO	19.4	1.6	1.9	0.02	
1393+47.00 RT	PE	38.9	3.3	3.9	0.04	
1393+52.70 LT	CR 1950E	678.4	57.0	67.8	0.68	568.4
1395+32.70 RT	FE	13.3	1.1	1.3	0.01	
1406+41.50 RT	FE	13.3	1.1	1.3	0.01	
1420+12.95 RT	CR 2000E	152.0	8.0	15.2	0.15	
1420+14.00 LT	CR 2000E	149.2	7.8	14.9	0.15	
1420+74.00 LT	FE	12.5	1.1	1.3	0.01	
1429+40.50 LT	FE	13.3	1.1	1.3	0.01	
1435+64.00 RT	FE	13.3	1.1	1.3	0.01	
1447+58.50 LT	FE	13.3	1.1	1.3	0.01	
1456+06.00 LT	PE	44.4	3.7	4.4	0.04	
1459+46.00 RT	MBTO	23.3	2.0	2.3	0.02	
1459+73.00 RT	PE	44.4	3.7	4.4	0.04	
1461+55.00 LT	FE	13.3	1.1	1.3	0.01	
1475+05.00 LT	CR 2100E	140.7	7.4	14.1	0.14	
1475+30.00 RT	FE	13.3	1.1	1.3	0.01	
1488+46.00 RT	FE	13.3	1.1	1.3	0.01	
1501+00.00 LT	FE	13.3	1.1	1.3	0.01	
1501+60.00 LT	PE	38.9	3.3	3.9	0.04	
1501+64.00 RT	CR 2150E	120.4	6.3	12.0	0.12	
1502+10.00 RT	MBTO	23.3	2.0	2.3	0.02	
1502+74.00 LT	FE	13.3	1.1	1.3	0.01	
1523+09.00 RT	FE	13.3	1.1	1.3	0.01	
1524+70.00 RT	MBTO	23.3	2.0	2.3	0.02	
1525+00.00 RT	PE	44.4	3.7	4.4	0.04	
1538+20.00 RT	FE	13.3	1.1	1.3	0.01	
1540+69.00 LT	FE	13.3	1.1	1.3	0.01	
<b>TOTAL =</b>		<b>4,252.0</b>	<b>324.0</b>	<b>425.0</b>	<b>4.0</b>	<b>1,665.0</b>

FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INCIDENTAL SURFACING SCHEDULE</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\p\WIDOT\CEARLOCKJD\dms87652\0590866-shit-schedule.dgn		DRAWN -	REVISED -			697	46RS-8&1RS-2&46BDR	VERMILION	75	31	
		CHECKED -	REVISED -			<b>CONTRACT NO. 90866</b>					
		DATE -	REVISED -			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

**EARTH EXCAVATION (WIDENING) (20200500)**

STATION	TO	STATION	OFFSET	LENGTH (FT)	WIDTH (FT)	DEPTH (IN)	CU YDS
1239+50.00		1242+38.83	11.0' LT	288.83	3.0	9.0	24.1
1243+85.17		1246+10.00	11.0' LT	224.83	3.0	9.0	18.7
1239+80.00		1242+38.83	11.0' RT	258.83	3.0	9.0	21.6
1243+85.17		1246+40.00	11.0' RT	254.83	3.0	9.0	21.2
TOTAL =							86.0

**FURNISHED EXCAVATION (20400800)**

STATION	TO	STATION	OFFSET	LENGTH (FT)	WIDTH (FT)	DEPTH (IN)	CU YDS
1239+50.00		1242+38.83	11.0' LT	288.83	1.75	7.0	5.5
1239+80.00		1242+38.83	11.0' RT	258.83	1.75	7.0	4.9
1243+85.17		1246+10.00	11.0' LT	224.83	1.75	7.0	4.3
1243+85.17		1246+40.00	11.0' RT	254.83	1.75	7.0	4.8
TOTAL =							20.0

**HOT-MIX ASPHALT BASE COURSE WIDENING, 9" (35800712)**

STATION	TO	STATION	OFFSET	LENGTH (FT)	WIDTH (FT)	SQ YDS
1239+50.00		1242+38.83	11.0' LT	288.83	4.0	128.4
1243+85.17		1246+10.00	11.0' LT	224.83	4.0	99.9
1239+80.00		1242+38.83	11.0' RT	258.83	4.0	115.0
1243+85.17		1246+40.00	11.0' RT	254.83	4.0	113.3
TOTAL =						457.0

**HOT-MIX ASPHALT SURFACE REMOVAL (DECK) (44000915)**

LOCATION	LENGTH (FT)	WIDTH (FT)	SQ YDS
S.N. 092-0048	144.08	30.17	483.0

**PAVED SHOULDER REMOVAL (44004250)**

STATION	TO	STATION	OFFSET	LENGTH (FT)	WIDTH (FT)	SQ YDS
1239+50.00		1242+38.83	12.0' LT	288.83	1.0	32.1
1243+85.17		1246+10.00	12.0' LT	224.83	1.0	25.0
1239+80.00		1242+38.83	12.0' RT	258.83	1.0	28.8
1243+85.17		1246+40.00	12.0' RT	254.83	1.0	28.3
TOTAL =						115.0

**CONCRETE REMOVAL (50102400)**

LOCATION	SQ YDS	
S.N. 092-0048 (W. ABUTMENT JOINT)	4.5	
S.N. 092-0048 (E. ABUTMENT JOINT)	4.2	
TOTAL =		8.7

**CONCRETE SUPERSTRUCTURE (50300255)**

LOCATION	CU YDS	
S.N. 092-0048 (W. ABUTMENT JOINT)	4.62	
S.N. 092-0048 (E. ABUTMENT JOINT)	4.62	
TOTAL =		9.3

**FURNISHING AND ERECTING STRUCTURAL STEEL (50500405)**

LOCATION	LBS	
S.N. 092-0048 (W. ABUTMENT)	740.0	
S.N. 092-0048 (E. ABUTMENT)	660.0	
TOTAL =		1400.0

**JACK AND REMOVE EXISTING BEARINGS (50500715)**

LOCATION	EACH	
S.N. 092-0048 (W. ABUTMENT)	6.0	
S.N. 092-0048 (E. ABUTMENT)	6.0	
TOTAL =		12.0

**REINFORCEMENT BARS, EPOXY COATED (50800205)**

LOCATION	LBS	
S.N. 092-0048 (W. ABUTMENT)	490.0	
S.N. 092-0048 (E. ABUTMENT)	490.0	
TOTAL =		980.0

**BAR SPLICERS (50800515)**

LOCATION	EACH	
S.N. 092-0048 (W. ABUTMENT)	11.0	
S.N. 092-0048 (E. ABUTMENT)	11.0	
TOTAL =		22.0

**PREFORMED JOINT STRIP SEAL (52000110)**

LOCATION	FEET	
S.N. 092-0048 (W. ABUTMENT)	36.0	
S.N. 092-0048 (E. ABUTMENT)	36.0	
TOTAL =		72.0

**ANCHOR BOLTS, 1" (52100520)**

LOCATION	EACH	
S.N. 092-0048 (W. ABUTMENT)	12.0	
S.N. 092-0048 (E. ABUTMENT)	12.0	
TOTAL =		24.0

**WATERPROOFING MEMBRANE SYSTEM (58100200)**

LOCATION	LENGTH (FT)	WIDTH (FT)	SQ YDS
S.N. 092-0048	141.08	30.17	473.0

**REMOVE AND RE-ERECT STEEL PLATE BEAM GUARDRAIL (63301000)**

STATION	TO	STATION	OFFSET	LENGTH (FT)
1242+26.33		1242+38.83	LT	12.5
1242+26.33		1242+38.83	RT	12.5
1243+85.17		1243+97.67	LT	12.5
1243+85.17		1243+97.67	RT	12.5
TOTAL =				50.0

**REMOVE AND RE-ERECT STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES (63301235)**

STATION	TO	STATION	OFFSET	LENGTH (FT)
1242+38.83		1242+53.83	LT	15.0
1242+38.83		1242+53.83	RT	15.0
1243+70.17		1243+85.17	LT	15.0
1243+70.17		1243+85.17	RT	15.0
TOTAL =				60.0

**SHORT-TERM PAVEMENT MARKING (70300100)**

STATION	STATION	LOCATION	FEET
1207+00.00	1359+99.91	CENTERLINE	4,590.0
1359+99.69	1372+56.30	CENTERLINE	377.0
1372+65.50	1386+72.00	CENTERLINE	422.0
1386+72.00	1393+40.00	MEDIAN TAPER	400.8
1392+25.00	1393+40.00	LT TURN LANE	34.5
1393+95.00	1397+16.00	MEDIAN TAPER	192.6
1397+16.00	1552+29.35	CENTERLINE	4,654.0
TOTAL =			10,671.0

**THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS (78000100)**

STATION	SYMBOL	SQ FT
1368+31.30	RR "R"	7.2
1368+31.30	RR "X"	54.0
1377+05.50	RR "R"	7.2
1377+05.50	RR "X"	54.0
1392+25.00	LT ARROW	15.6
1392+74.00	LT ARROW	15.6
1393+23.00	LT ARROW	15.6
TOTAL =		170.0

**THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200)**

**4" YELLOW LINE -**

STATION	STATION	LOCATION	FEET
1385+29.00	1386+72.00	DBL SOLID	286.0
1386+72.00	1393+40.00	PAINT MED.	2,672.0
1393+95.00	1397+16.00	PAINT MED.	1,284.0
1397+16.00	1398+21.00	DBL SOLID	210.0
TOTAL =			4,452.0

**4" WHITE LINE -**

STATION	STATION	LOCATION	FEET
1385+29.00	1392+42.00	LT EDGE	713.0
1394+24.00	1398+21.00	LT EDGE	397.0
1385+29.00	1398+21.00	RT EDGE	1,292.0
TOTAL =			2,402.0

**THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000800)**

**12" YELLOW DIAGONAL -**

STATION	STATION	LOCATION	FEET
1386+72.00	1393+40.00	PAINT MED.	217.0
1393+95.00	1397+16.00	PAINT MED.	88.0
TOTAL =			305.0

**THERMOPLASTIC PAVEMENT MARKING - LINE 24" (78000650)**

**24" STOP BAR -**

STATION	LOCATION	FEET
1367+91.30	EB LANE	11.0
1368+41.30	EB LANE	11.0
1372+41.30	EB LANE	11.0
1372+80.50	WB LANE	11.0
1376+80.50	WB LANE	11.0
1377+30.50	WB LANE	11.0
TOTAL =		66.0

**PAINT PAVEMENT MARKING - LINE 4" (78001110)**

**4" WHITE LINE - (OMIT AT SIDE ROADS FROM RAD. PT. TO RAD. PT.)**

STATION	STATION	LOCATION	FEET
1207+00.00	1359+99.91	LT EDGE	15,299.9
1207+00.00	1359+99.91	RT EDGE	15,299.9
1359+99.69	1372+56.30	LT EDGE	1,256.6
1359+99.69	1372+56.30	RT EDGE	1,256.6
1372+65.50	1385+29.00	LT EDGE	1,263.5
1372+65.50	1385+29.00	RT EDGE	1,263.5
1398+21.00	1552+29.35	LT EDGE	15,408.4
1398+21.00	1552+29.35	RT EDGE	15,408.4
TOTAL =			66,457.0

**RAISED REFLECTIVE PAVEMENT MARKER (78100100)**

**TWO-WAY AMBER -**

STATION	STATION	LOCATION	EACH
1207+00.00	1359+99.91	CENTERLINE	192.0
1359+99.69	1368+76.00	CENTERLINE	11.0
1368+76.00	1372+56.00	DBL CENTER	10.0
1372+65.00	1376+47.00	DBL CENTER	10.0
1376+47.00	1385+29.00	CENTERLINE	11.0
1385+29.00	1386+72.00	DBL CENTER	6.0
1397+16.00	1398+21.00	DBL CENTER	6.0
1398+21.00	1552+29.35	CENTERLINE	193.0
TOTAL =			439.0

**ONE-WAY AMBER -**

STATION	STATION	LOCATION	EACH
1386+72.00	1393+40.00	MEDIAN	34.0
1393+95.00	1397+16.00	MEDIAN	27.0
TOTAL =			61.0

**ONE-WAY CRYSTAL -**

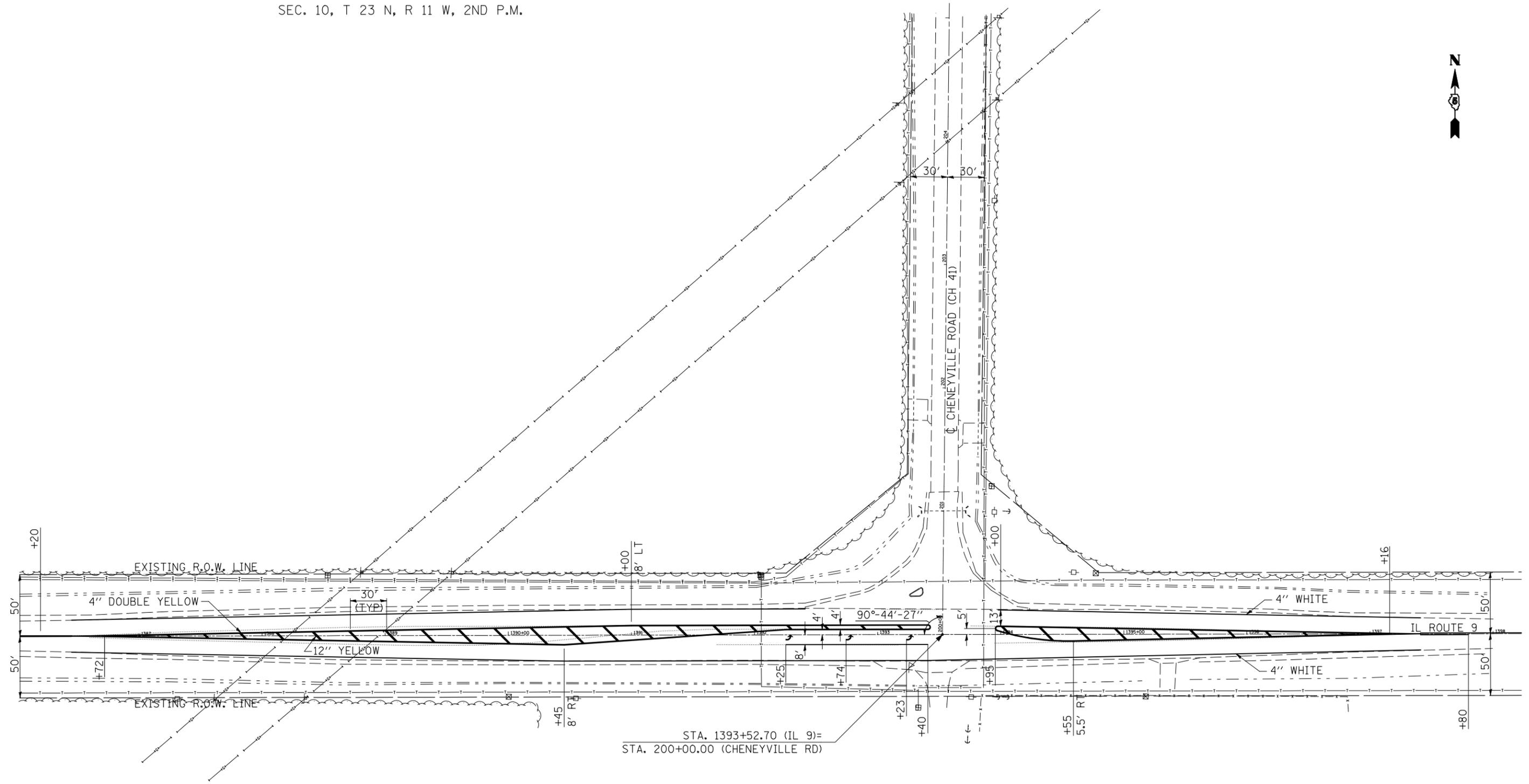
STATION	STATION	LOCATION	EACH
1392+25.00	1393+40.00	LT TURN LANE	4.0
TOTAL =			4.0

**PAINT PAVEMENT MARKING - LINE 4" (78001110)**

**4" YELLOW LINE -**

STATION	STATION	WB LANE	FEET
1207+00.00	1207+76.00	SOLID (WB)	76.0
1207+00.00	1207+76.00	SKIP-DASH	19.0
1207+76.00	1252+31.00	SKIP-DASH	1,113.8
1252+31.00	1260+92.00	SKIP-DASH	215.3
1252+31.00	1260+92.00	SOLID (EB)	861.0
1260+92.00	1262+61.00	SKIP-DASH	42.3
1262+61.00	1271+17.00	SOLID (WB)	856.0
1262+61.00	1271+17.00	SKIP-DASH	214.0
1271+17.00	1323+59.00	SKIP-DASH	1,310.5
1323+59.00	1330+14.00	SKIP-DASH	163.8
1323+59.00	1330+14.00	SOLID (EB)	655.0
1330+14.00	1334+40.00	SKIP-DASH	106.5
1334+40.00	1341+26.00	SOLID (WB)	686.0
1334+40.00	1341+26.00	SKIP-DASH	171.5
1341+26.00	1347+60.00	SKIP-DASH	158.5
1347+60.00	1355+05.00	SKIP-DASH	186.3
1347+60.00	1355+05.00	SOLID (EB)	745.0
1355+05.00	1358+69.00	SKIP-DASH	91.0
1358+69.00	1365+88.00	SOLID (WB)	719.0
1358+69.00	1365+88.00	SKIP-DASH	179.8
1365+88.00	1368+76.00	SKIP-DASH	72.0
1368+76.00	1372+56.00	DBL SOLID (RR)	760.0
1372+65.00	1376+47.00	DBL SOLID (RR)	764.0
1376+47.00	1380+64.00	SKIP-DASH	104.3
1380+64.00	1385+29.00	SKIP-DASH	116.3
1380+64.00	1385+29.00	SOLID (EB)	465.0
1398+21.00	1403+23.00	SOLID (WB)	502.0
1398+21.00	1403+23.00	SKIP-DASH	125.5
1403+23.00	1488+83.00	SKIP-DASH	2,140.0
1488+83.00	1495+63.00	SKIP-DASH	170.0
1488+83.00	1495+63.00	SOLID (EB)	680.0
1495+63.00	1502+00.00	SKIP-DASH	159.3
1502+00.00	1507+94.00	SOLID (WB)	594.0
1502+00.00	1507+94.00	SKIP-DASH	148.5
1507+94.00	1542+72.00	SKIP-DASH	869.5
1542+72.00	1550+64.00	SKIP-DASH	198.0
1542+72.00	1550+64.00	SOLID (EB)	792.0
1550+64.00	1552+29.35	SKIP-DASH	41.3
TOTAL =			17,272.0

SEC. 10, T 23 N, R 11 W, 2ND P.M.



STA. 1393+52.70 (IL 9)=  
STA. 200+00.00 (CHENEYVILLE RD)

PLAN NOTE: ALL STRIPING SHOWN ON THIS SHEET  
SHALL BE THERMOPLASTIC.

SEC. 15, T 23 N, R 11 W, 2ND P.M.

FILE NAME =	USER NAME = ceorlockjd	DESIGNED - DMH	REVISED -
et\pw\work\PWIDOT\CEARLOCKJD\dms87652\90866sheets.dgn		DRAWN -	REVISED -
	PLOT SCALE = 80.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE -	REVISED -

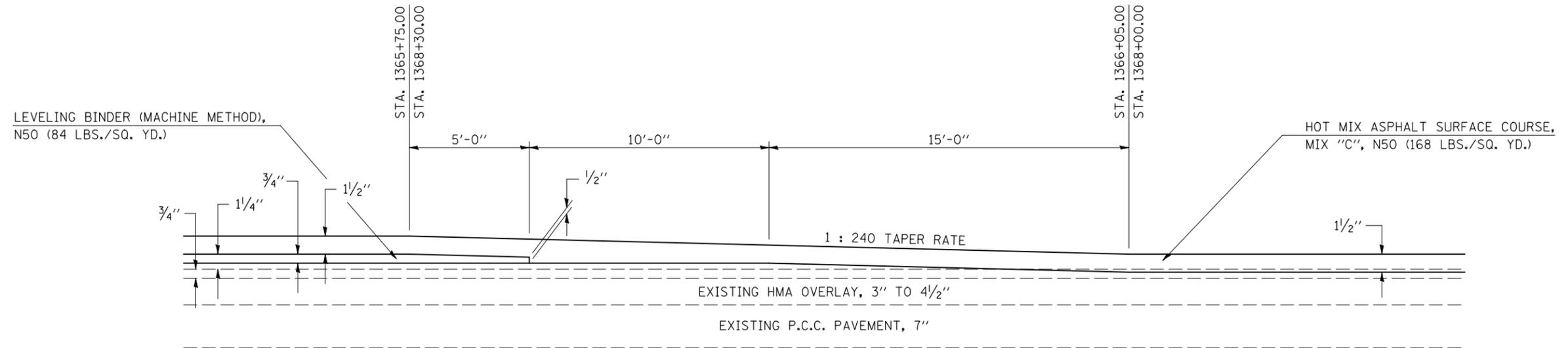
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STRIPING DETAILS -  
CHENEYVILLE ROAD (CH 41)**

SCALE: SHEET NO. OF SHEETS STA. 1386+00 TO STA. 1398+00

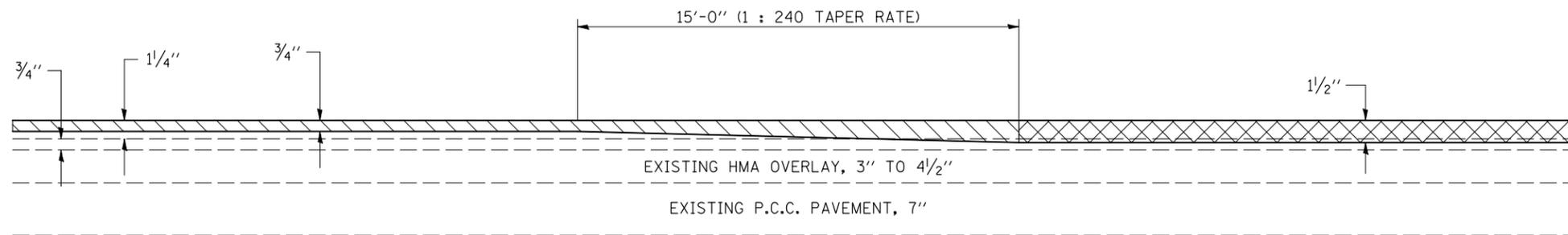
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	34
CONTRACT NO. 90866				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**RESURFACING DETAIL @ MILLING TRANSITION AREAS (INLAY SECTION) @ CH 3 INTERSECTION**



**DETAIL OF MILLING TRANSITION FROM 3/4" TO 1 1/2" @ CH 3 INTERSECTION**

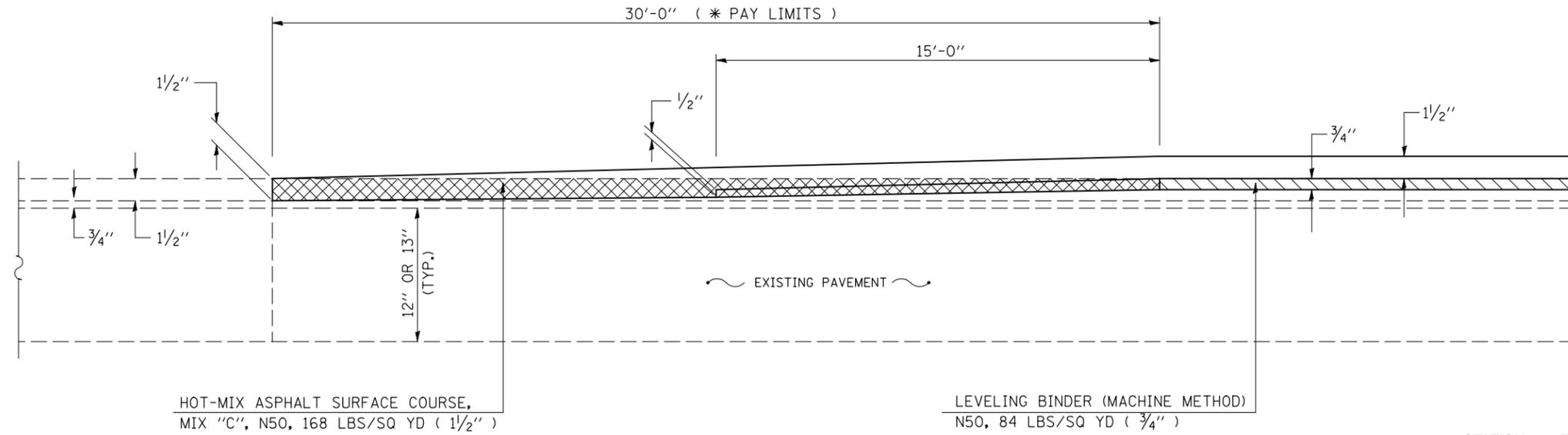
STATION	TO	STATION
1365+90.00		1366+05.00
1368+00.00		1368+15.00



- HOT MIX ASPHALT SURFACE REMOVAL, 3/4"
- HOT MIX ASPHALT SURFACE REMOVAL, 1 1/2"

FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PWIDOT\CEARLOCKJD\dms87652\0590866-shd\details.dgn	DRAWN -	REVISED -	697					46RS-8&1RS-2&46BDR	VERMILION	75	35	
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 90866									
PLOT DATE = 2/6/2009	DATE -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

## DETAIL OF HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

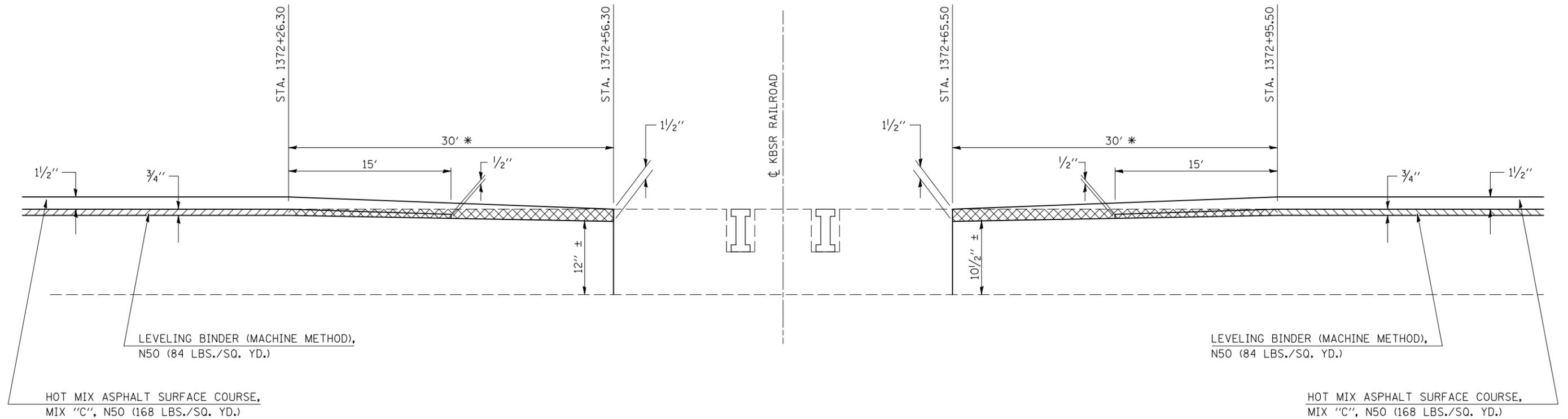


- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"

* STATION	TO	STATION
1207+00.00		1207+30.00 (BEGIN SECTION)
1304+32.33		1304+62.32 (S.N. 092-8027)
1304+69.67		1304+99.67 (S.N. 092-8027)
1551+99.35		1552+29.35 (END SECTION)

## DETAIL OF HOT MIX ASPHALT SURFACE REMOVAL – BUTT JOINT FOR KBSR AT GRADE CROSSING

STATION	TO	STATION
1372+26.30		1372+56.30
1372+65.50		1372+95.50

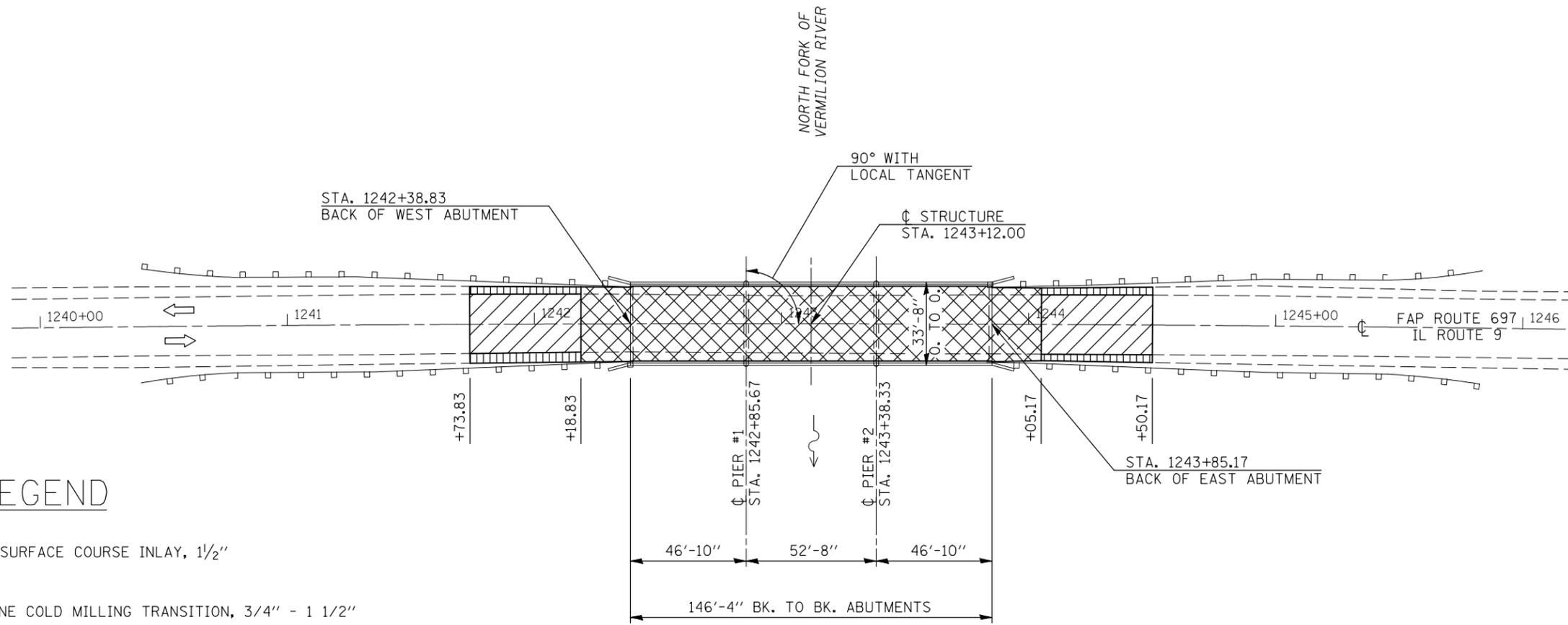


\* PAY LIMITS H.M.A.  
SURFACE REMOVAL – BUTT JOINT

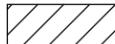
- HOT MIX ASPHALT SURFACE REMOVAL – BUTT JOINT
- HOT MIX ASPHALT SURFACE REMOVAL, 3/4"

FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HOT MIX ASPHALT SURFACE REMOVAL DETAILS KBSR GRADE CROSSING</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ce:\pw\work\PWIDOT\CEARLOCKJD\dms87652\0590866-shit\details.dgn		DRAWN -	REVISED -			697	46RS-8&1RS-2&46BDR	VERMILION	75	37
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 90866				
PLOT DATE = 2/6/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

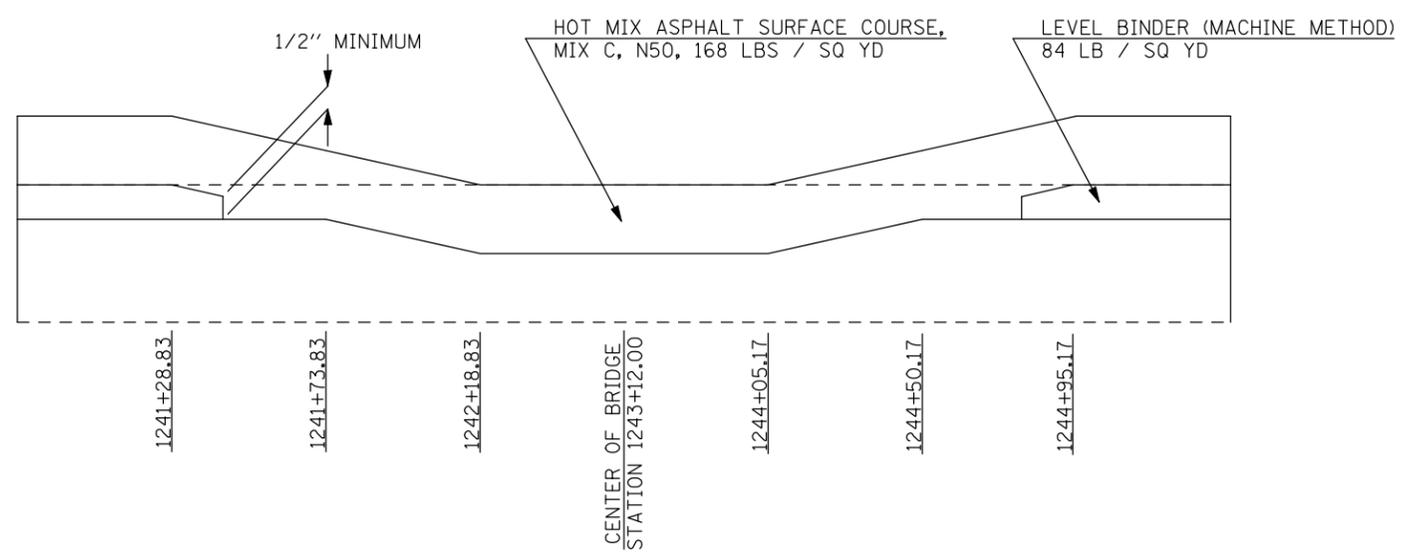
# MILLING & RESURFACING TRANSITION DETAILS @ S.N. 092-0048



## LEGEND

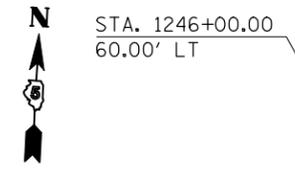
-  H.M.A. SURFACE COURSE INLAY, 1 1/2"
-  MAINLINE COLD MILLING TRANSITION, 3/4" - 1 1/2"
-  SHOULDER COLD MILLING TRANSITION, 3/4" - 1 1/2" (TO BE INCLUDED WITH MAINLINE MILLING QTY.)

## DETAIL OF PROPOSED RUNDOWNS AT S.N.092-0048



FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
ct:\pw\work\PWIDOT\CEARLOCKJD\dms87652\0590866-shrtdetails.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	697	46RS-8&1RS-2&46BDR	VERMILION	75	38
		CHECKED -	REVISED -								CONTRACT NO. 90866				
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT				

SEC. 7, T 23 N, R 11 W, 2ND P.M.



STA. 1241+00.00  
50.00' LT

STA. 1241+00.00  
60.00' LT

STA. 1246+00.00  
60.00' LT

STA. 1246+00.00  
50.00' LT

EXISTING R.O.W. LINE

S.N. 092-0048  
STA. 1243+12.00

IL ROUTE 9

NORTH FORK OF  
VERMILION RIVER

EXISTING R.O.W. LINE

STA. 1241+25.00  
50.00' RT

STA. 1241+25.00  
60.00' RT

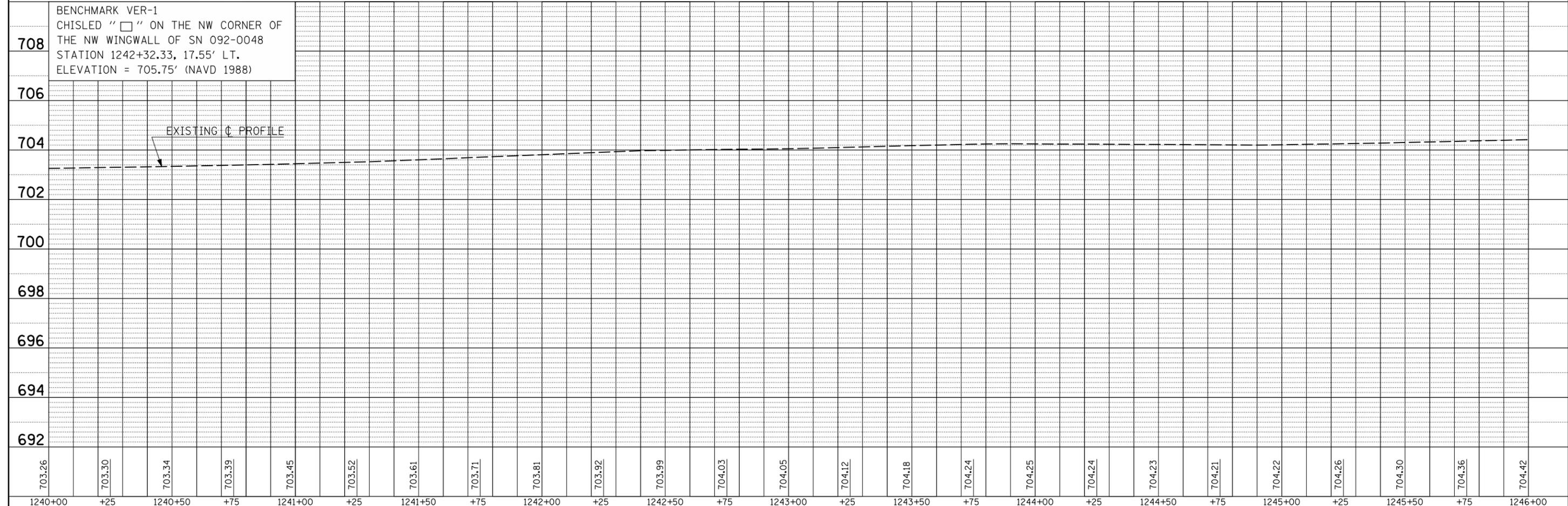
SEC. 18, T 23 N, R 11 W, 2ND P.M.

PLAN NOTE:  
NO UTILITY CONFLICTS  
ARE ANTICIPATED ON THIS PROJECT

HMA BASE COURSE WIDENING, 9"

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



BENCHMARK VER-1  
CHISELED "□" ON THE NW CORNER OF  
THE NW WINGWALL OF SN 092-0048  
STATION 1242+32.33, 17.55' LT.  
ELEVATION = 705.75' (NAVD 1988)

EXISTING C PROFILE

FILE NAME =	USER NAME = ceorlockjd	DESIGNED - DMH	REVISIED -	<p align="center"><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b></p>	<p align="center"><b>PLAN &amp; PROFILE (S.N. 092-0048)</b></p>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwork\pwork\ceorlockjd\dms87652\90866\90866.sheets.dgn		DRAWN -	REVISIED -			697	46RS-8&1RS-2&46BDR	VERMILION	75	39
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISIED -			CONTRACT NO. 90866				
PLOT DATE = 2/6/2009		DATE -	REVISIED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# GENERAL PLAN

## S.N. 092-0048

**Existing Structure:**

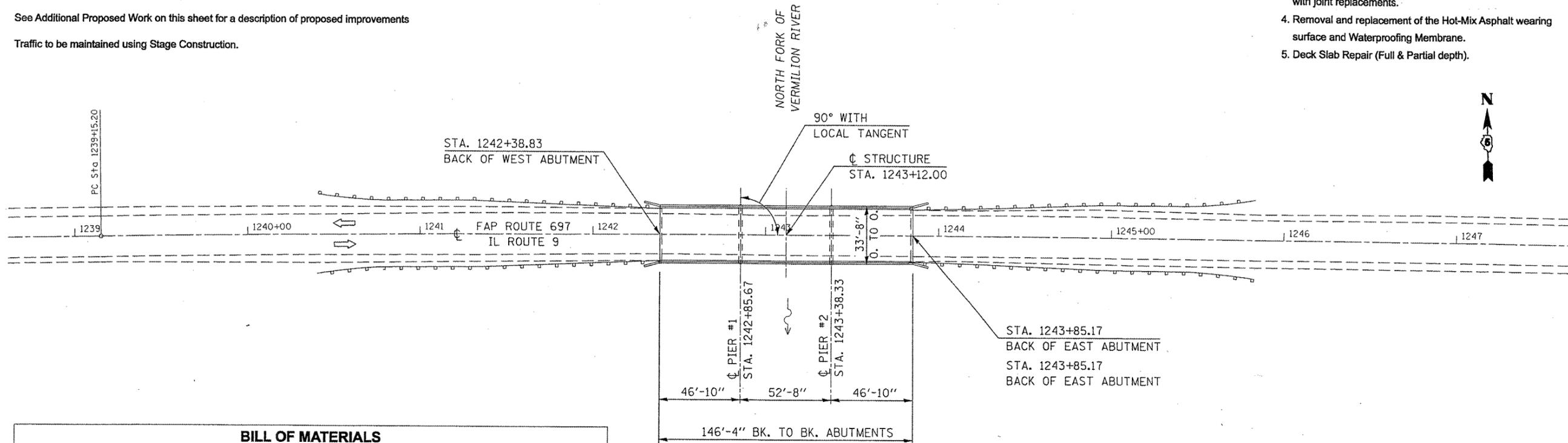
The existing three-span structure was built in 1967 as S.B.I. Route 9, Section 46-BR. The 7 inch R.C. slab superstructure is supported by 30 WF 99 steel beams. The structure is 146'-4" Back to back of Abutments and has an Out to Out width of 33'-8"

See Additional Proposed Work on this sheet for a description of proposed improvements

Traffic to be maintained using Stage Construction.

**ADDITIONAL PROPOSED WORK:**

1. Removal and replacement of abutment bearings.
2. Removal and Replacement of expansion joints at abutments.
3. Concrete removal and replacement at deck ends in conjunction with joint replacements.
4. Removal and replacement of the Hot-Mix Asphalt wearing surface and Waterproofing Membrane.
5. Deck Slab Repair (Full & Partial depth).



PLAN VIEW  
S. N. 092-0048

BILL OF MATERIALS		
ITEM	UNITS	QUANTITY
BITUMINOUS MATERIALS (PRIME COAT)	GALLON	48.0
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	41.0
HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	483.0
CONCRETE REMOVAL	CU YD	8.7
CONCRETE SUPERSTRUCTURE	CU YD	9.3
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	6.0
ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	6.0
FURNISHING & ERECTING STRUCTURAL STEEL	POUND	1400.0
JACK & REMOVE EXISTING BEARINGS	EACH	12.0
REINFORCEMENT BARS, EPOXY COATED	POUND	980.0
BAR SPLICERS	EACH	22.0
PREFORMED JOINT STRIP SEAL	FOOT	72.0
ANCHOR BOLTS, 1"	EACH	24.0
WATERPROOFING MEMBRANE SYSTEM	SQ YD	473.0
REMOVE & RE-ERECT STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	60.0
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	2.0
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	12.0
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	10.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	49.0

**NOTE:**

Quantities for Temporary Concrete Barrier, Relocate Temporary Concrete Barrier and Remove and Re-erect Steel Plate Beam Guardrail are included in the Roadway Plans.

**GENERAL NOTES**

Fasteners shall be high strength bolts. Bolts 3/4" dia., open holes 13/16" dia., unless otherwise noted.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity furnished based at the unit price bid for the work.

All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural Steel.

The deck ends, hatch blocks and approach pavement shall have its final surface tined according to Article 420.09 (e) (1) of the Standard Specifications. Cost to be included with concrete superstructure.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surface in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provisions "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50 degrees F.

All structural steel shall conform to ASSHTO Classification M-270 Gr. 36, unless otherwise noted.



*Expires 11/30/2010*

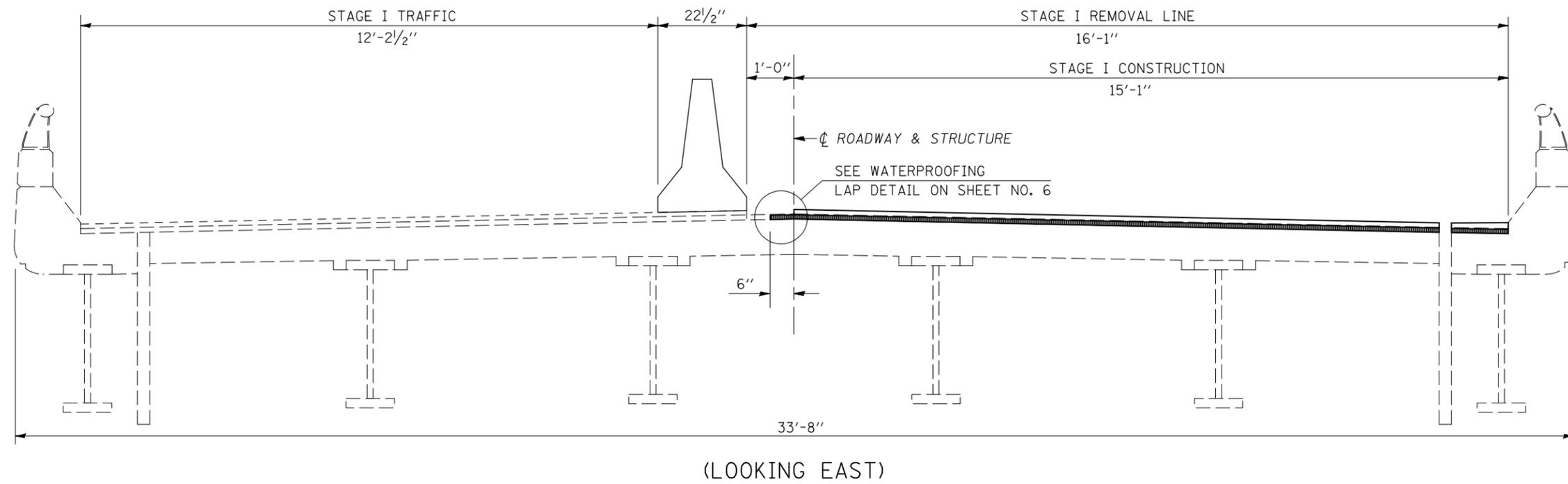
FILE NAME =	USER NAME = ceorlock_jd	DESIGNED - S. COOMBES	REVISED -
cc:\p\work\17W100T\CEARLOCKJD\dms87656	0590866-Hyd.dgn	DRAWN - J. PHILLIPS	REVISED -
	PLOT SCALE = 60.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE - 12-10-08	REVISED -

<b>GENERAL PLAN S.N. 092-0048</b>				
SCALE: 1"=30'	SHEET NO. 1 OF 17 SHEETS	STA. _____ TO STA. _____	F.A.P. RTE. 697	SECTION 4GRS-8&1RS-2&4GBDR
			COUNTY VERMILION	TOTAL SHEETS 75
			CONTRACT NO. 90866	SHEET NO. 40
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				



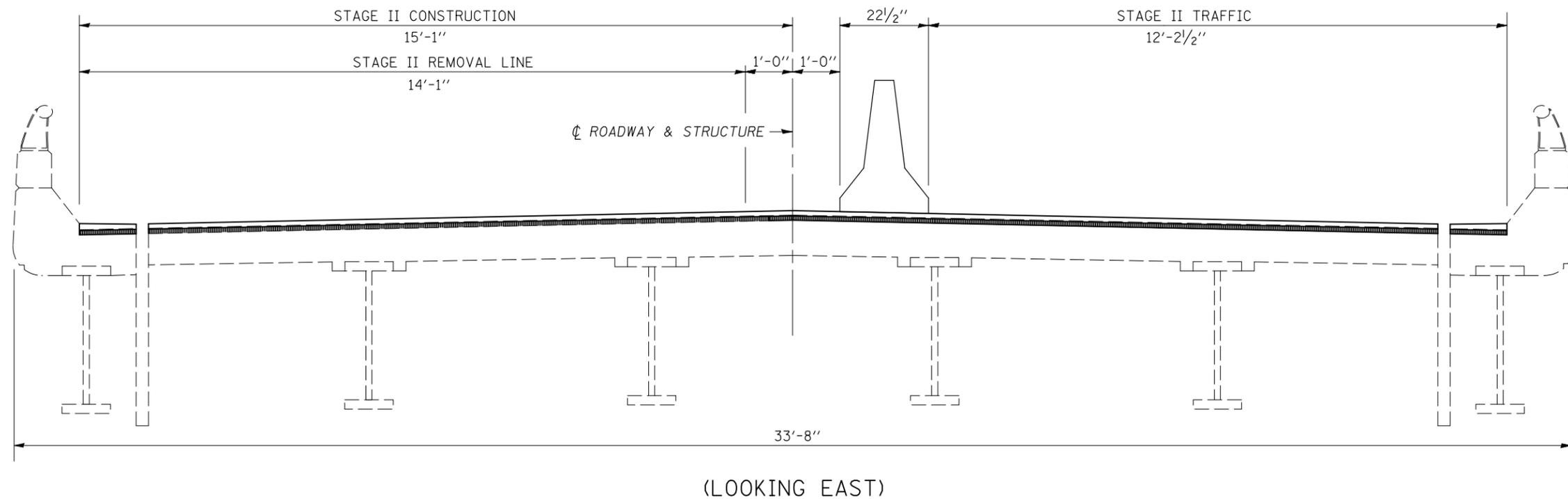
## STAGE I CONSTRUCTION

**S.N. 092-0048**



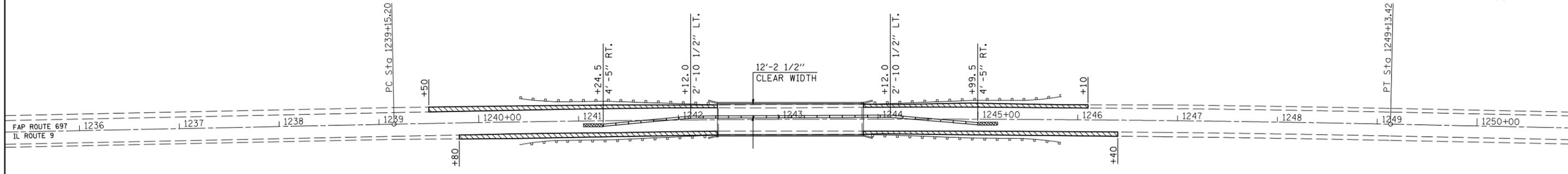
## STAGE II CONSTRUCTION

**S.N. 092-0048**



FILE NAME =	USER NAME = ceorlockjd	DESIGNED - SC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE I CONSTRUCTION &amp; STAGE II CONSTRUCTION S.N. 092-0048</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\pwidot\CEARLOCKJD\dms87656\0590866-Hyd.dgn		DRAWN - JP	REVISED -		697	46RS-8&1RS-2&46BDR	VERMILION	75	42	CONTRACT NO. 90866		
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -		SCALE: NA	SHEET NO. 3 OF 17 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
PLOT DATE = 2/6/2009		DATE - 12-16-08	REVISED -									

**STAGE I CONSTRUCTION**  
**S.N. 092-0048**



70400100 TEMPORARY CONCRETE BARRIER  
STA. 1241+24.5 TO STA. 1244+99.5 = 375 FEET

**PLAN NOTES:**

ALL STAGING DETAILS SET UP IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

PRIOR TO BARRIER AND SIGNAL PLACEMENT, TRAFFIC CONTROL SHALL BE SET UP IN ACCORDANCE WITH TAFFIC CONRTOL AND PROTECTION STANDARD 701201.

THE COST FOR ALL TEMPORARY PAVEMENT MARKING PLACEMENT AND REMOVAL SHALL BE INCIDENTAL TO STANDARD 701321.

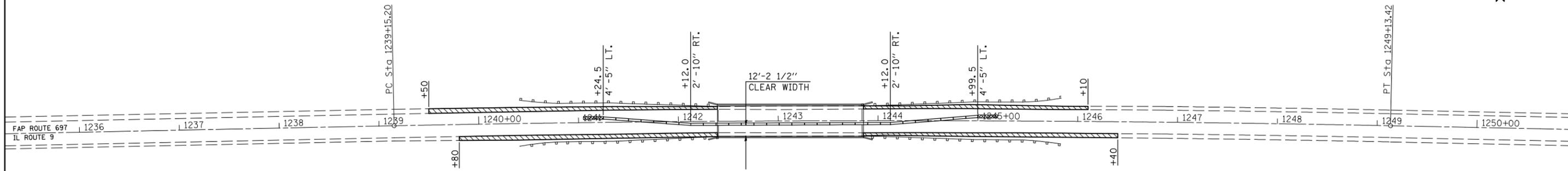
TRAFFIC CONTROL STANDARD 701326 SHALL BE USED FOR THE COMPLETION OF THE HMA BASE COURSE WIDENING, 9" PRIOR TO STAGE I.

REFLECTORS FOR BARRIER WALL AND BRIDGE RAIL SHALL BE INCLUDED IN THE COST FOR THE APPLICABLE TRAFFIC CONTROL PAY ITEMS.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

SYMBOLS	
	TEMPORARY CONCRETE BARRIER
	IMPACT ATTENUATOR
	HMA BASE COURSE WIDENING, 9" TO BE COMPLETED PRIOR TO STAGE I

**STAGE II CONSTRUCTION**  
**S.N. 092-0048**

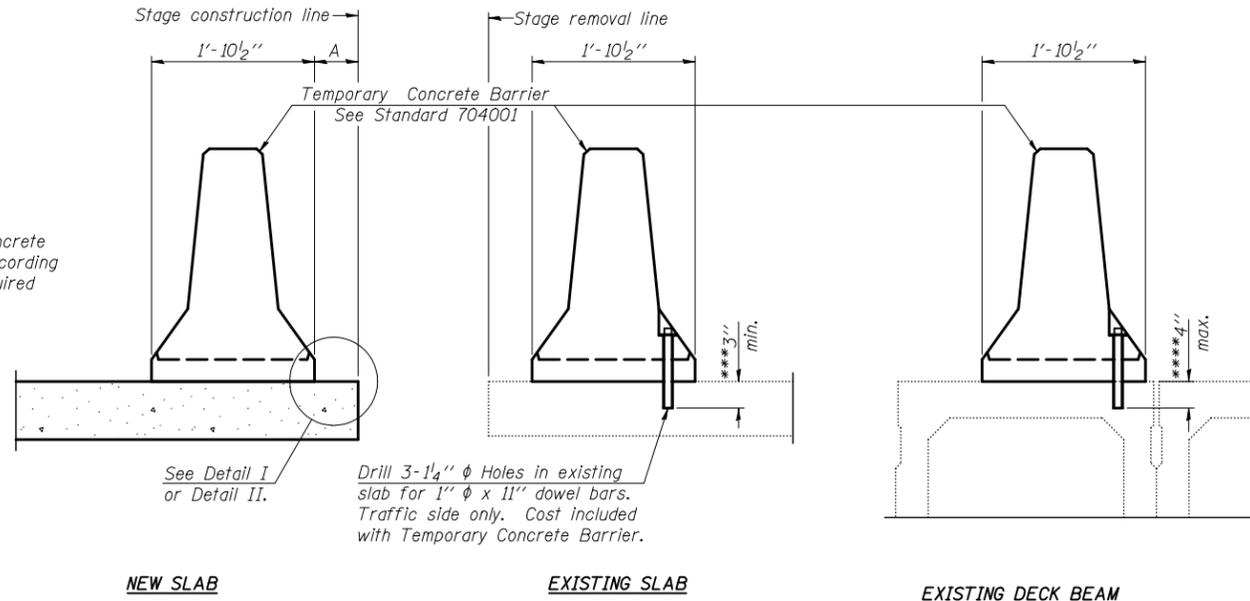


70400200 RELOCATE TEMPORARY CONCRETE BARRIER  
STA. 1241+24.5 TO STA. 1244+99.5 = 375 FEET

FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGE CONSTRUCTION S.N. 092-0048</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PWIDOT\CEARLOCKJD\dms87652\590866-shit-staging.dgn		DRAWN -	REVISED -			697	46RS-8&1RS-2&46BDR	VERMILION	75	43
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 90866				
PLOT DATE = 2/6/2009		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: 1" = 50'    SHEET NO. 4 OF 17 SHEETS    STA.    TO STA.

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



**SECTIONS THRU SLAB OR DECK BEAM**

**NOTES**

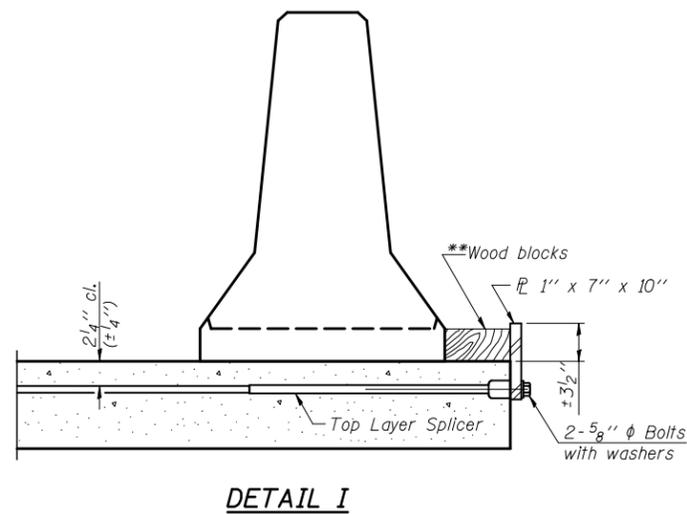
Detail I - With Bar Splicer or Couplers:  
Connect one (1) 1"x7"x10" steel  $\bar{L}$  to the top layer of couplers with 2- $\frac{5}{8}$ "  $\phi$  bolts screwed to coupler at approximate  $\bar{C}$  of each barrier panel.

Detail II - With Extended Reinforcement Bars:  
Connect one (1) 1"x7"x10" steel  $\bar{L}$  to the concrete slab or concrete wearing surface with 2- $\frac{5}{8}$ "  $\phi$  Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate  $\bar{C}$  of each barrier panel.

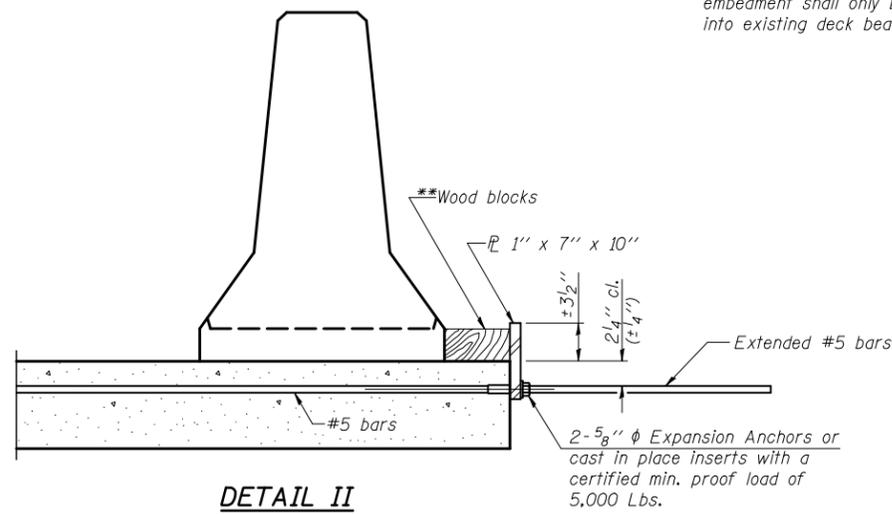
Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

\*\*\* Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

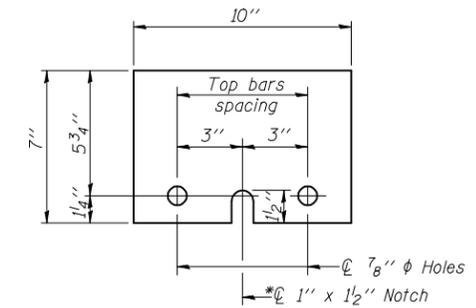
\*\*\*\* If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



**DETAIL I**



**DETAIL II**



**STEEL RETAINER  $\bar{L}$  1" x 7" x 10"**  
\* Required only with Detail II

\*\*Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

R-27

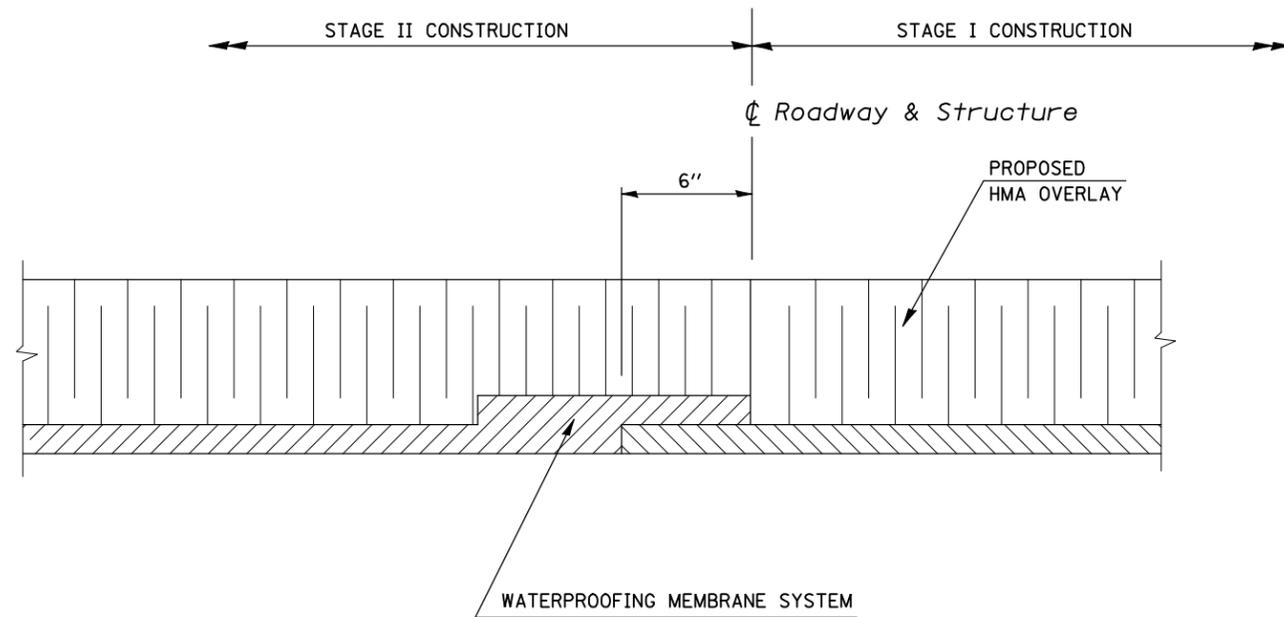
10-1-08

**TEMPORARY CONCRETE BARRIER  
FOR STAGE CONSTRUCTION  
STRUCTURE NO. 092-0048**

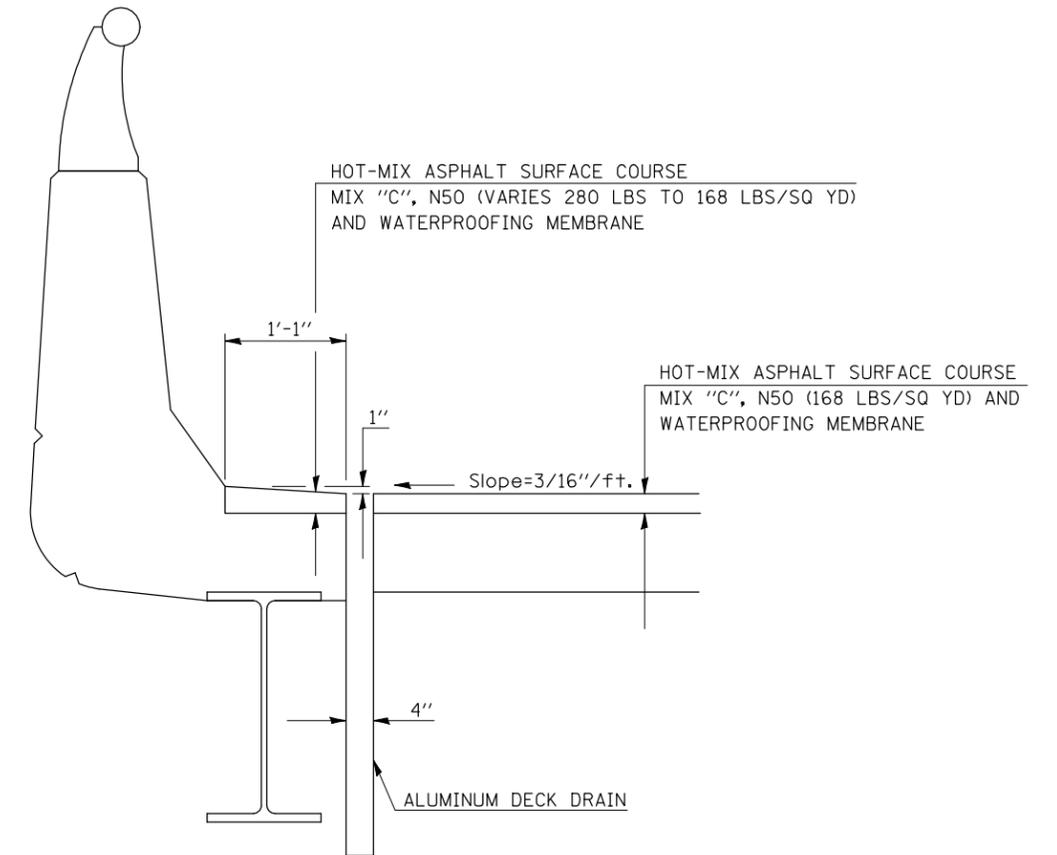
FILE NAME =	USER NAME = ceorlockjd	DESIGNED - SC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BRIDGE DECK SLAB REPAIR S.N. 092-0048</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PIWIDOT\CEARLOCKJD\dms87656\0920866-Hyd.dgn	DRAWN - JP	REVISED -	697					46RS-8&1RS-2&46BDR	VERMILION	75	44	
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 90866									
PLOT DATE = 2/6/2009	DATE - 12-24-08	REVISED -	FED. ROAD DIST. NO.					ILLINOIS	FED. AID PROJECT			

# WATERPROOFING LAP DETAIL

## S.N. 092-0048



# DETAIL OF DRAIN AT PARAPET



FILE NAME =	USER NAME = ceorlockjd	DESIGNED - SC	REVISED -
ct:\pw\work\PWIDOT\CEARLOCKJD\dms87656\0590866-Hyd.dgn		DRAWN - JP	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE - 12-16-08	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

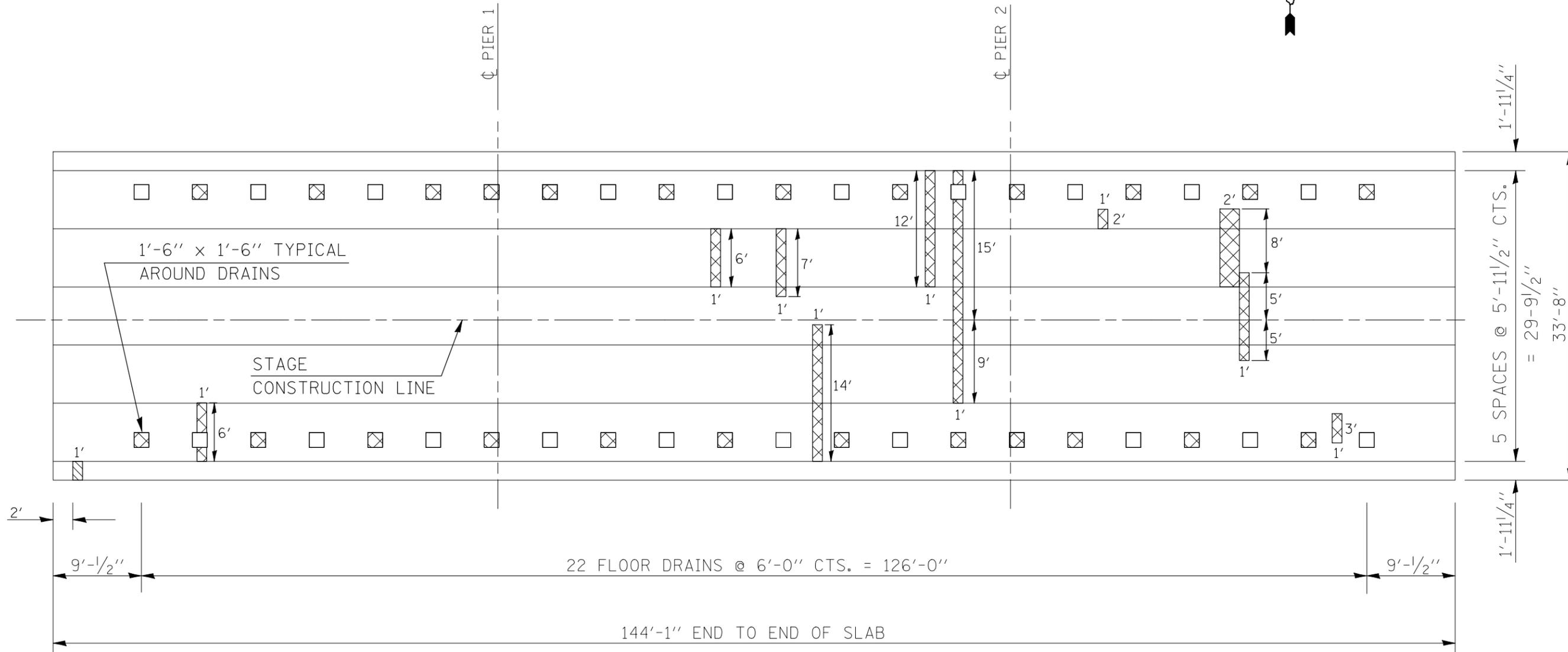
**WATERPROOFING LAP DETAIL S.N. 092-0048  
DETAIL OF DRAIN AT PARAPET**

SCALE: NA      SHEET NO. 6 OF 17 SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	45
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90866	

# BRIDGE DECK SLAB REPAIR

## S.N. 092-0048



**NOTES:**

SLAB SURVEY DATE: 12-30-2008

AREAS OF PARTIAL AND FULL DEPTH PATCHES SHALL BE DETERMINED BY THE ENGINEER AFTER THE HMA OVERLAY AND WATERPROOFING ARE REMOVED.

QUANTITIES OF DECK REPAIR HAVE BEEN ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON SHEET 8 OF 17.

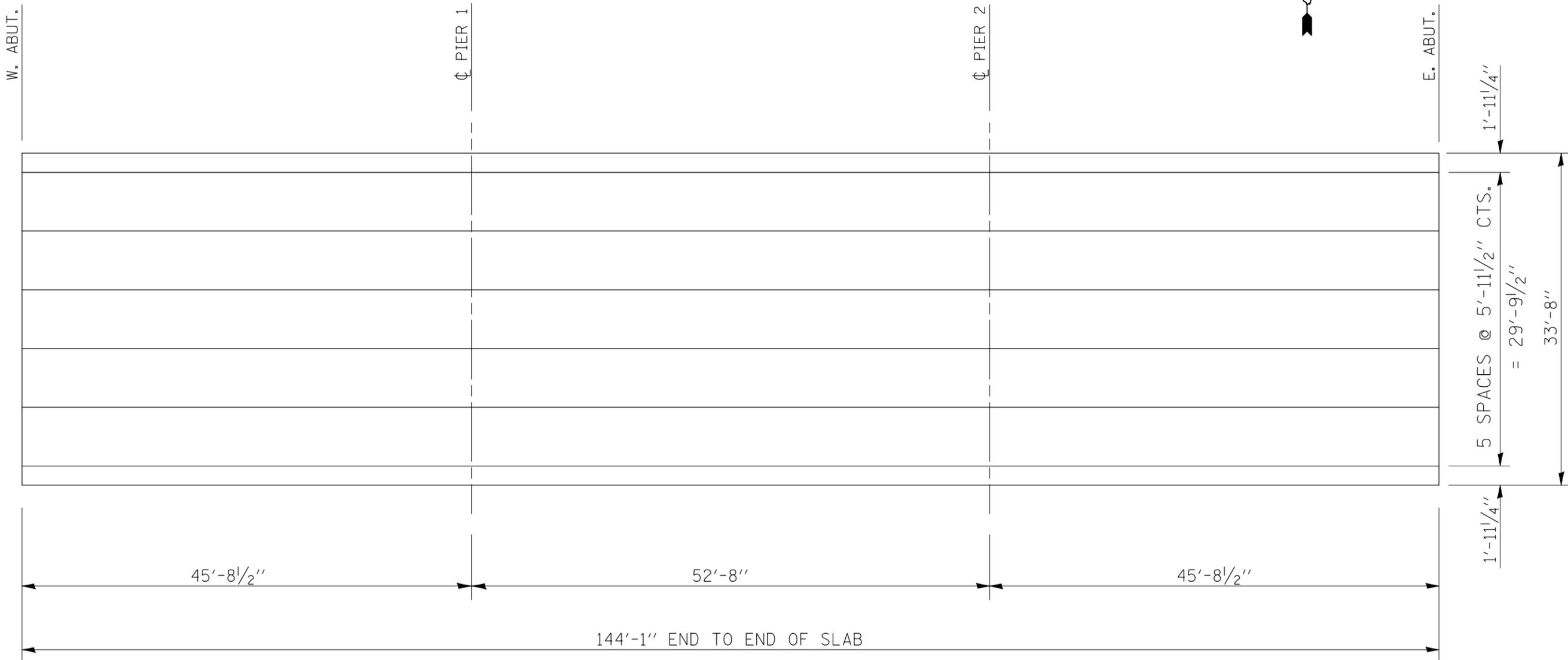
THE AREA OF STRUCTURAL REPAIR OF CONCRETE SHALL BE DETERMINED AFTER THE CONCRETE REMOVAL FOR THE EXPANSION JOINT REPLACEMENT HAS TAKEN PLACE.

- = FULL DEPTH PATCHES AROUND EXISTING DRAINS TO REMAIN
- = FULL DEPTH PATCHES
- = STRUCTURAL REPAIR OF CONCRETE

FILE NAME =	USER NAME = ceorlockjd	DESIGNED - SC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BRIDGE DECK SLAB REPAIR S.N. 092-0048</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ce\pwwork\pwwid\CEARLOCKJD\dms87656\0920048-Hyd.dgn		DRAWN - JP	REVISED -			697	46RS-8&1RS-2&46BDR	VERMILION	75	46	
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 90866					
PLOT DATE = 2/6/2009		DATE - 12-24-08	REVISED -			SCALE: NA	SHEET NO. 7 OF 17 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

# BRIDGE DECK SLAB REPAIR

## S.N. 092-0048



### PLAN VIEW OF AS-BUILT PATCHES

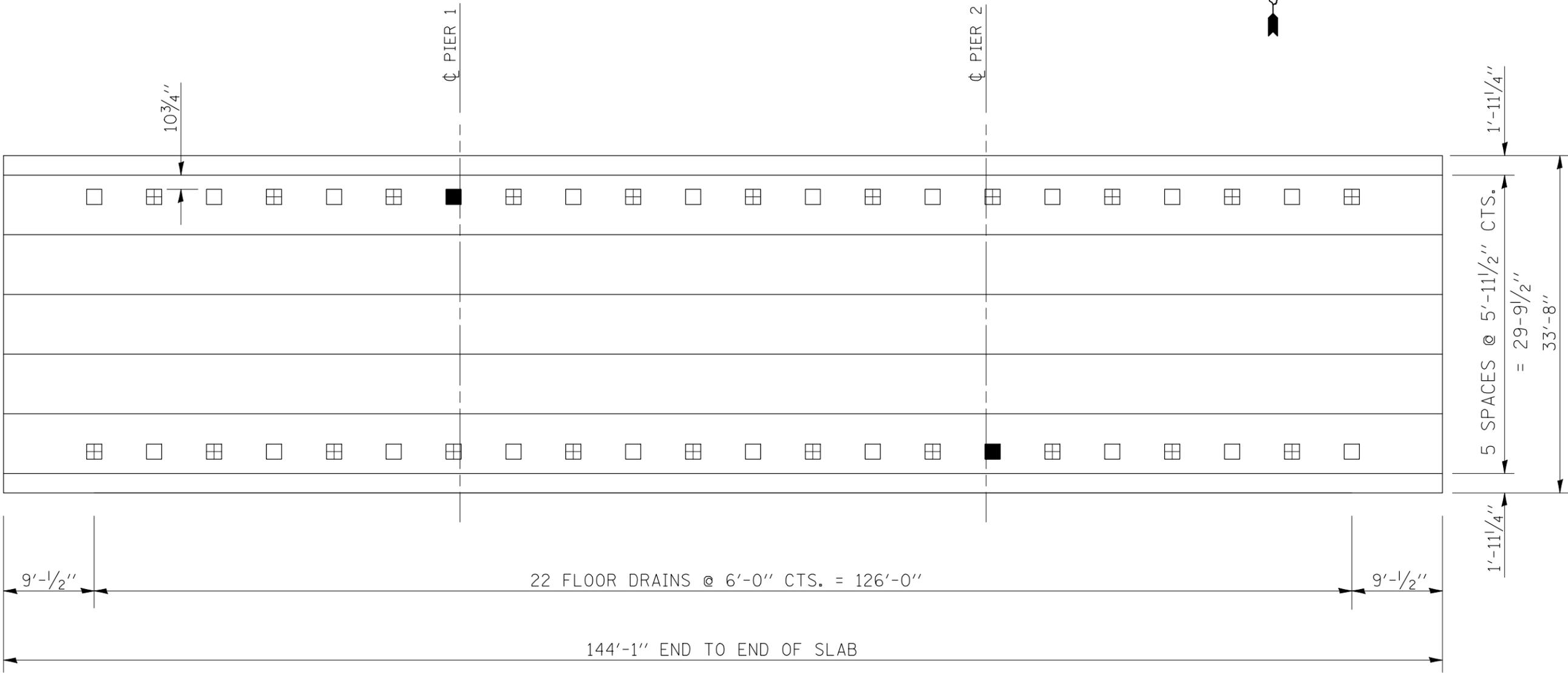
= FULL DEPTH PATCHES

= PARTIAL DEPTH PATCHES

FILE NAME =	USER NAME = ceorlockjd	DESIGNED - SC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BRIDGE DECK SLAB REPAIR S.N. 092-0048 (AS-BUILT)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\PWIDOT\CEARLOCKJD\dms87656\0590866-Hyd.dgn		DRAWN - JP	REVISED -			697	46RS-8&1RS-2&46BDR	VERMILION	75	47	
		CHECKED -	REVISED -			CONTRACT NO. 90866					
		DATE - 12-16-08	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
				SCALE: NA		SHEET NO. 8 OF 17 SHEETS		STA.		TO STA.	

# LOCATION OF DRAINS

## S.N. 092-0048



**NOTES:**

EXISTING AND PREVIOUSLY PLUGGED DECK DRAINS TO BE ELIMINATED SHALL BE PAID FOR AS DECK SLAB REPAIR) FULL DEPTH, TYPE I).

DELAMINATED CONCRETE AROUND DRAINS TO REMAIN SHALL BE REMOVED AS SHOWN ON BRIDGE DECK SLAB REPAIR SHEET NO. 7.

LEGEND	
<span style="display: inline-block; width: 10px; height: 10px; background-color: black; margin-right: 5px;"></span>	EXISTING DRAINS TO BE ELIMINATED
<span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span>	EXISTING DRAINS TO REMAIN
<span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-style: dashed; margin-right: 5px;"></span>	PREVIOUSLY PLUGGED DECK DRAINS TO BE ELIMINATED.

FILE NAME =	USER NAME = ceorlockjd	DESIGNED - SC	REVISED -
ct:\pw\work\PWIDOT\CEARLOCKJD\dms87656\0590866-Hyd.dgn		DRAWN - JP	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE - 12-16-08	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION OF DRAINS S.N. 092-0048**

SCALE: NA      SHEET NO. 9 OF 17 SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	48
CONTRACT NO. 90866				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				

# JOINT REPAIR AT WEST ABUTMENT

## S.N. 092-0048

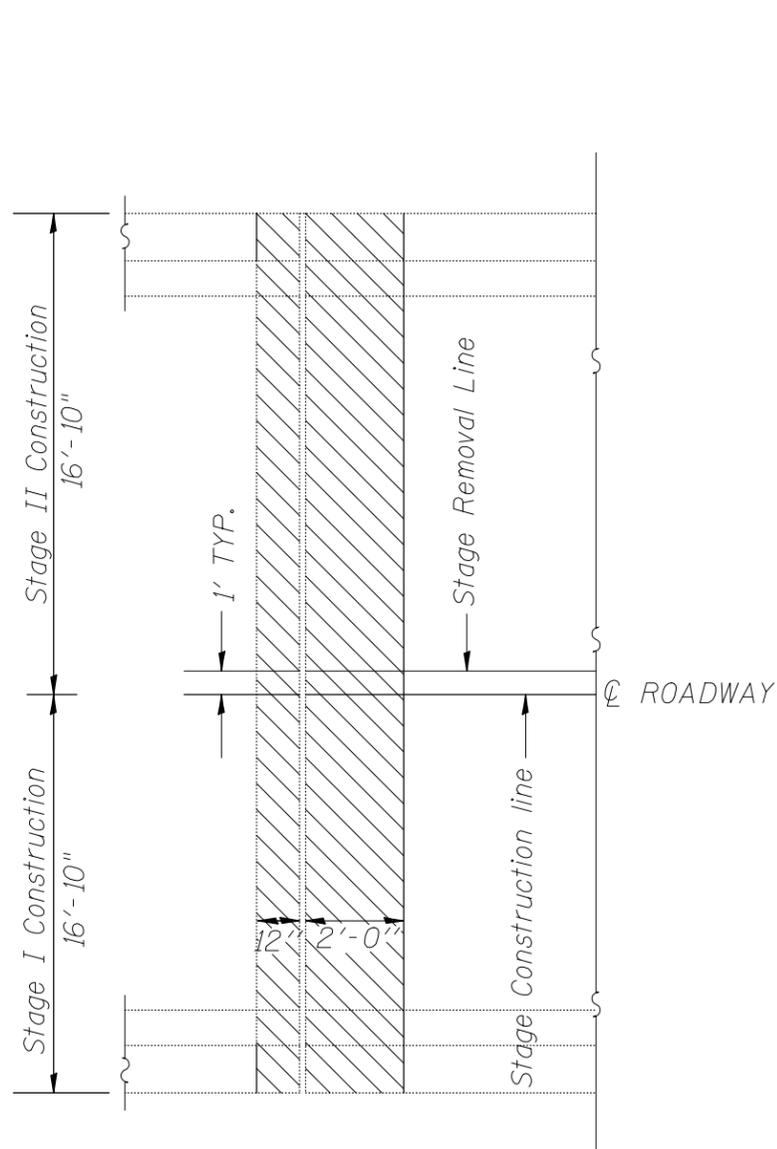
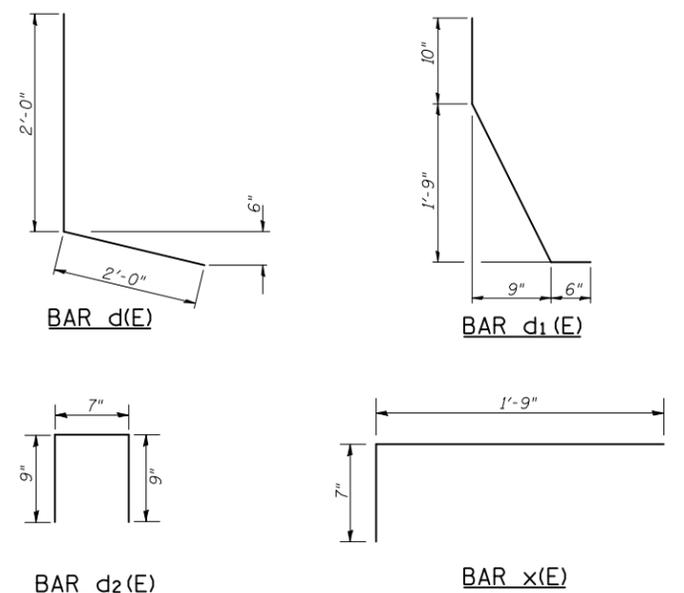
### BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a (E)	16	#5	16'-2"	—
a <sub>1</sub> (E)	6	#5	16'-2"	—
d(E)	4	#4	4'-0"	└┘
d <sub>1</sub> (E)	4	#6	3'-7"	└┘
d <sub>2</sub> (E)	4	#4	2'-1"	└┘
x(E)	30	#5	2'-4"	└┘
Reinforcement Bars, Epoxy Coated			Pound	490
Concrete Superstructure			Cu. Yd.	4.65
Concrete Removal			Cu. Yd.	4.5

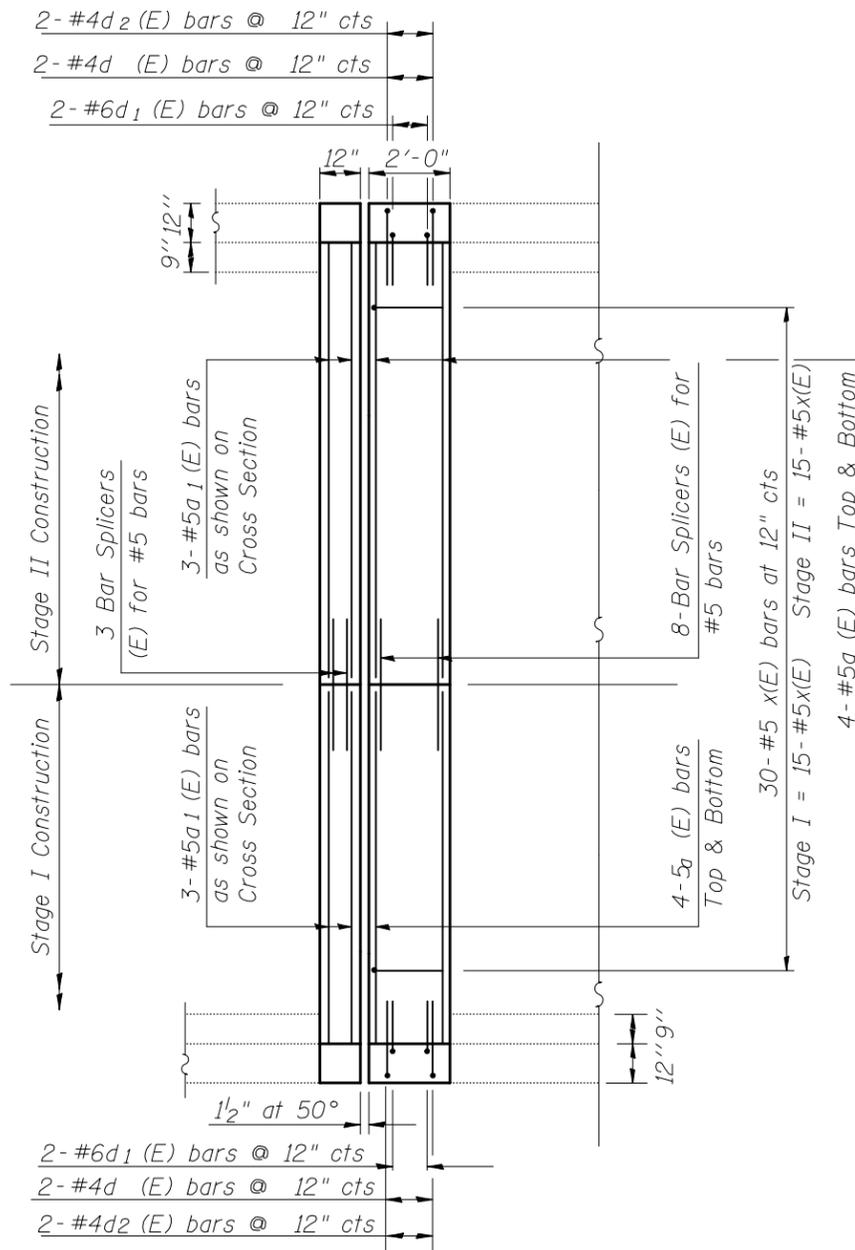
Reinforcement bars designated (E) shall be epoxy coated.

Hatched area indicates Concrete Removal.

See Sheet 11 of 17 for Section Thru Parapet and Proposed Joint Section



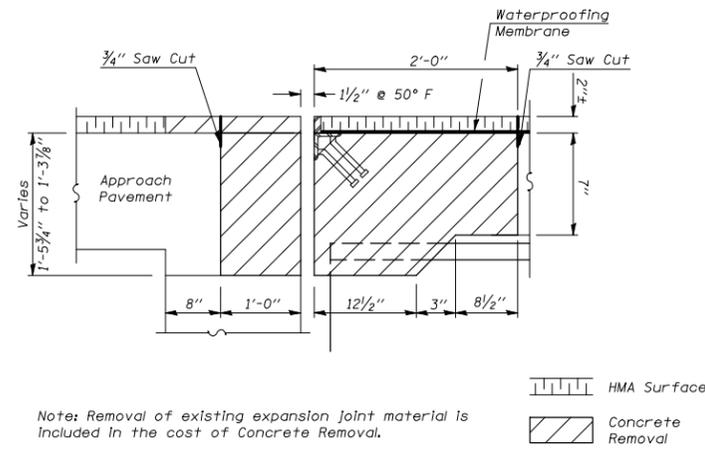
**EXISTING PARTIAL PLAN**  
JOINT AT WEST ABUTMENT



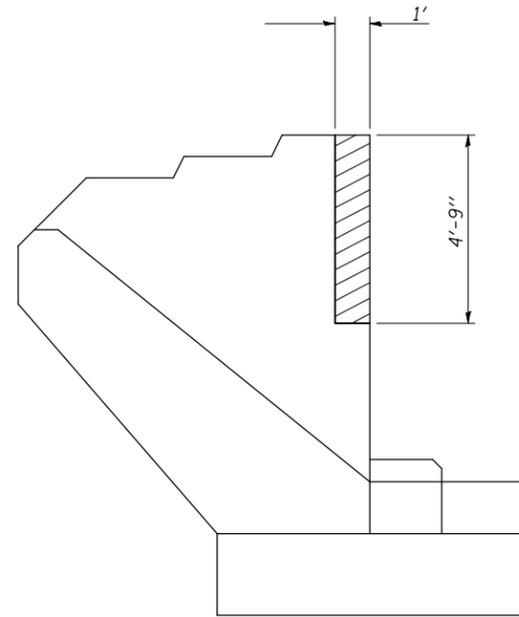
**PROPOSED PARTIAL PLAN**  
JOINT AT WEST ABUTMENT

# JOINT REPAIR AT WEST ABUTMENT

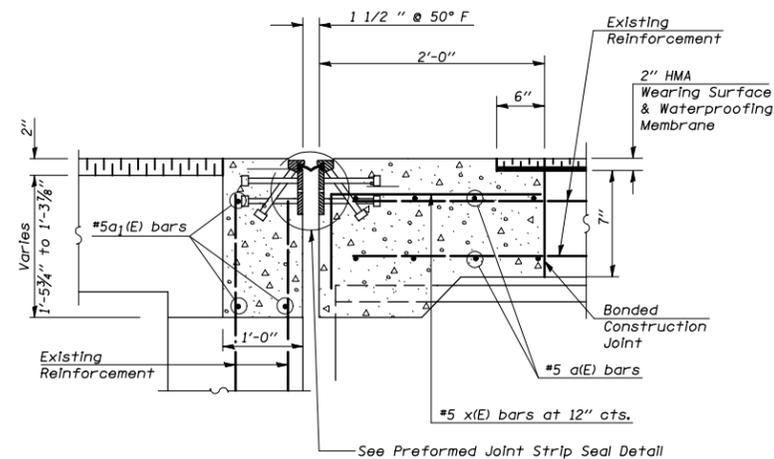
## S.N. 092-0048



EXISTING SECTION AT WEST ABUTMENT

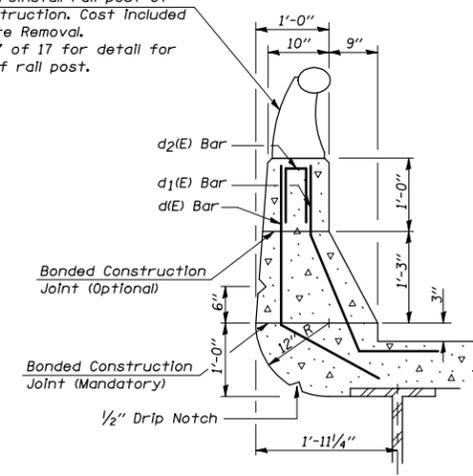


SECTION THRU WING



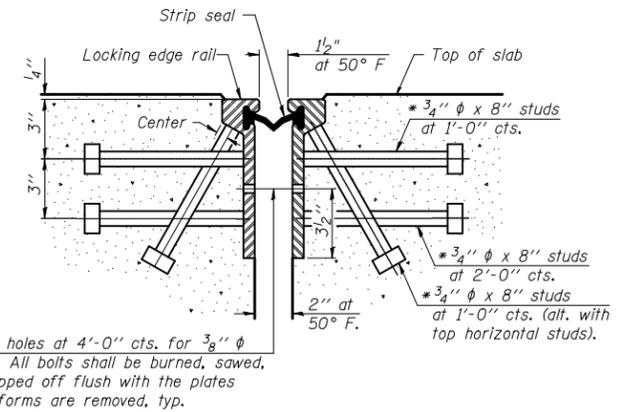
PROPOSED SECTION AT WEST ABUTMENT

Remove and reinstall rail post of joint reconstruction. Cost included with Concrete Removal. See Sheet 17 of 17 for detail for anchorage of rail post.



PARAPET DETAIL

\* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



PREFORMED JOINT STRIP SEAL DETAIL

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>JOINT REPAIR AT WEST ABUTMENT - S.N. 092-0048</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ce:\pwwork\pwwid01\CEARLOCKJD\dms87656\0920866-Hyd.dgn		DRAWN -	REVISED -			697	46RS-8&1RS-2&46BDR	VERMILION	75	50	
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 90866					
PLOT DATE = 2/6/2009		DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			
SCALE:						SHEET NO. 11 OF 17 SHEETS		STA. 90866		TO STA.	

# JOINT REPAIR AT EAST ABUTMENT

## S.N. 092-0048

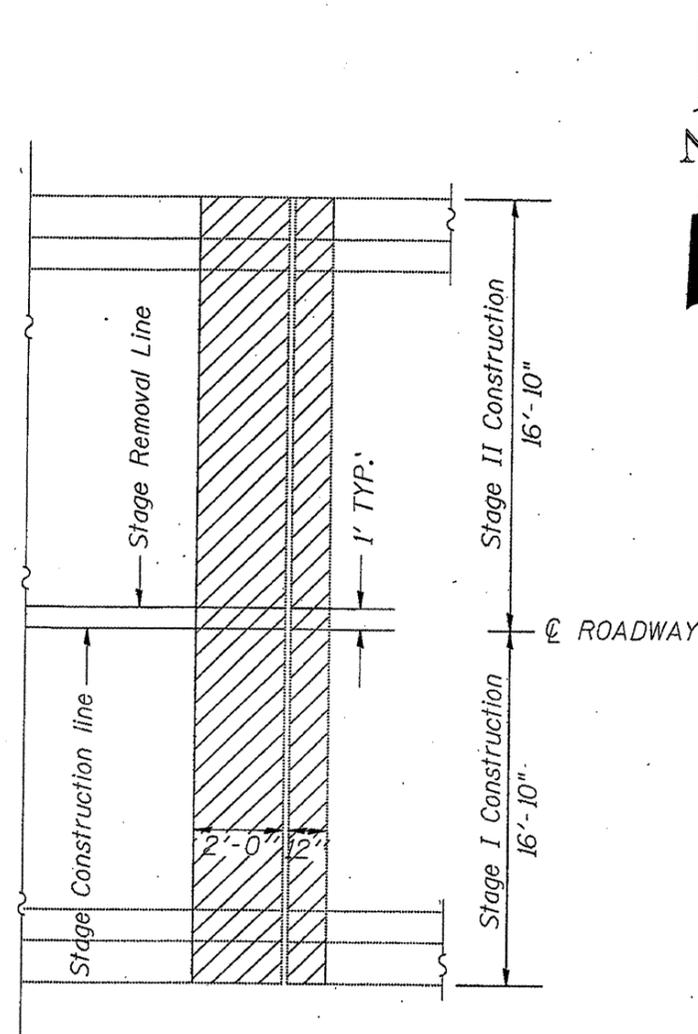
### BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a (E)	16	#5	16'-2"	—
a <sub>1</sub> (E)	6	#5	16'-2"	—
d(E)	4	#4	4'-0"	┘
d <sub>1</sub> (E)	4	#6	3'-7"	┘
d <sub>2</sub> (E)	4	#4	2'-1"	┘
x(E)	30	#5	2'-4"	┘
Reinforcement Bars, Epoxy Coated			Pound	490
Concrete Superstructure			Cu. Yd.	4.65
Concrete Removal			Cu. Yd.	4.2

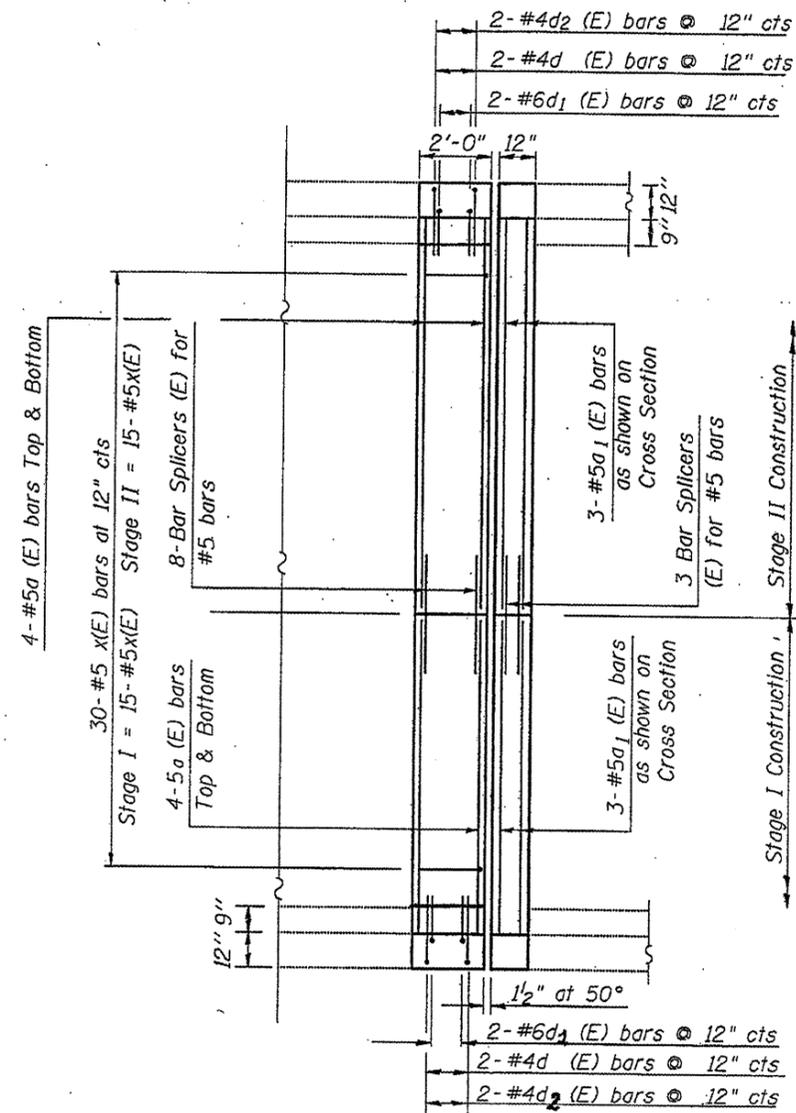
Reinforcement bars designated (E) shall be epoxy coated.

Hatched area indicates Concrete Removal.

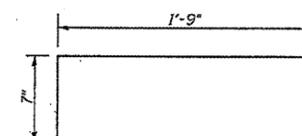
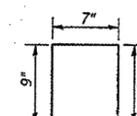
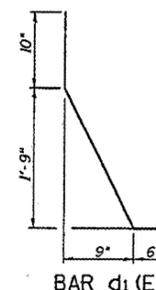
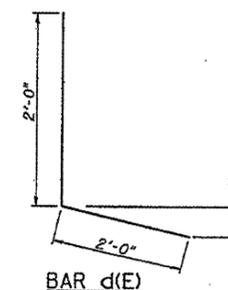
See Sheet 13 of 17 for Section Thru Parapet and Proposed Joint Section



**EXISTING PARTIAL PLAN**  
JOINT AT EAST ABUTMENT



**PROPOSED PARTIAL PLAN**  
JOINT AT EAST ABUTMENT



FILE NAME *	USER NAME * oarlockjd	DESIGNED -	REVISED -
ca:\p\work\p\WIDOT\CEARLOCKJD\dms07656\0598666-Hyd.dgn		DRAWN -	REVISED -
PLOT SCALE = 40.0000 "/>		CHECKED -	REVISED -
PLOT DATE = 2/6/2009		DATE -	REVISED -

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

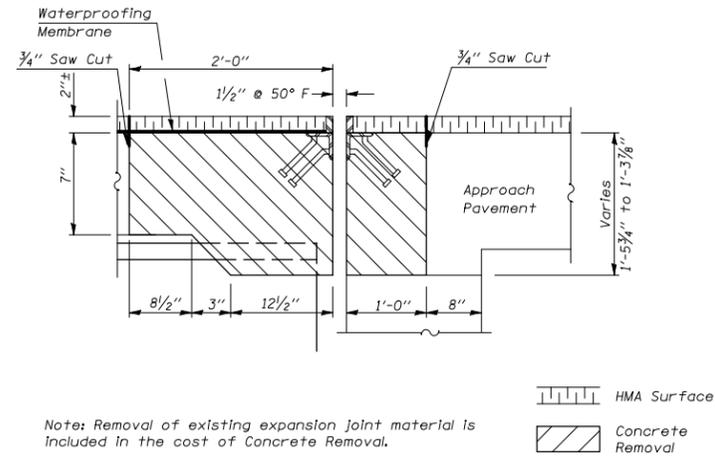
**JOINT REPAIR AT EAST ABUTMENT - S.N. 092-0048**

SCALE: SHEET NO. 12 OF 17 SHEETS STA. 90866 TO STA.

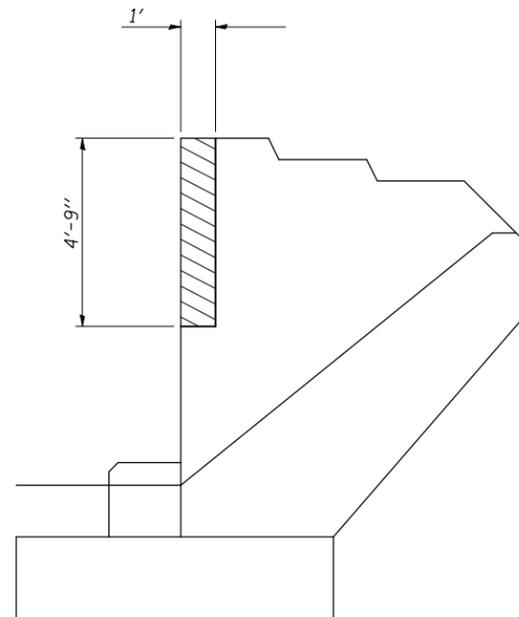
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	51
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 90866	

# JOINT REPAIR AT EAST ABUTMENT

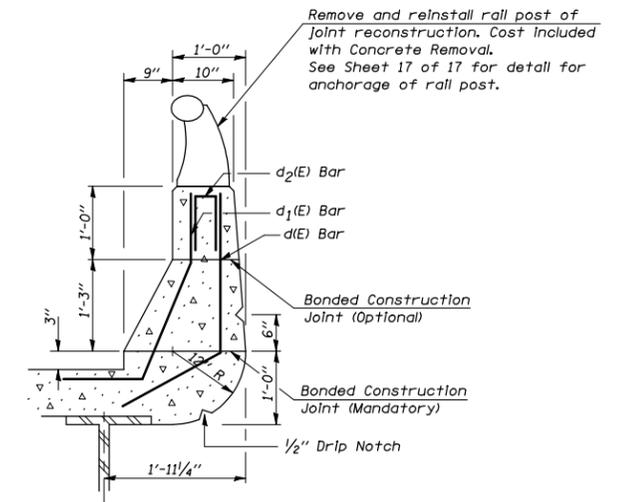
## S.N. 092-0048



EXISTING SECTION AT EAST ABUTMENT

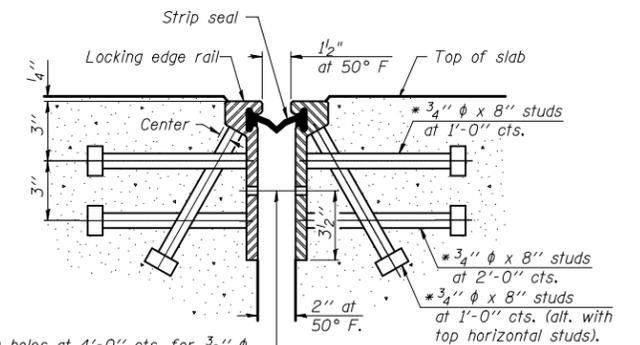


SECTION THRU WING

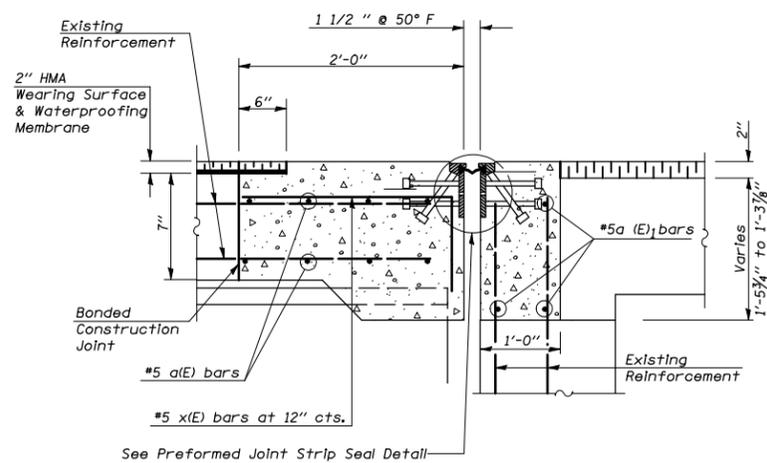


PARAPET DETAIL

\* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



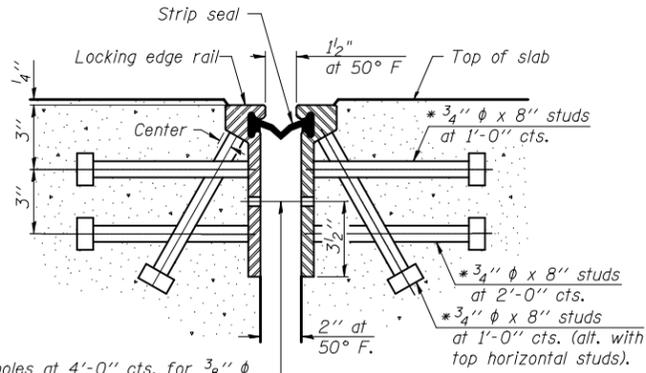
PREFORMED JOINT STRIP SEAL DETAIL



PROPOSED SECTION AT EAST ABUTMENT

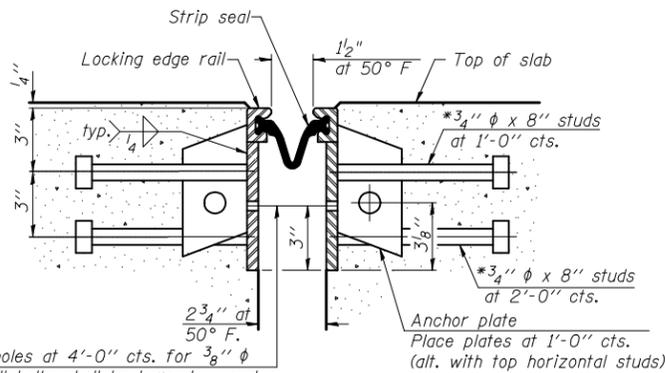
FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>JOINT REPAIR AT EAST ABUTMENT - S.N. 092-0048</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ce:\pw\work\p\WIDOT\CEARLOCKJD\dms87656\0590866-Hyd.dgn		DRAWN -	REVISED -					697	46RS-8&1RS-2&46BDR	VERMILION	75	52
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 90866							
PLOT DATE = 2/6/2009		DATE -	REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT					
					SCALE:	SHEET NO. 13 OF 17 SHEETS	STA. 90866	TO STA.				

\* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



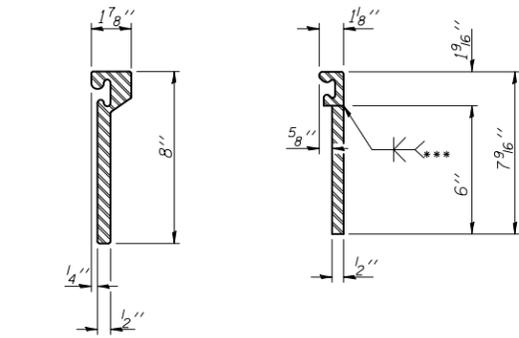
7/16"  $\phi$  holes at 4'-0" cts. for 3/8"  $\phi$  bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

**SECTION THRU ROLLED RAIL JOINT**

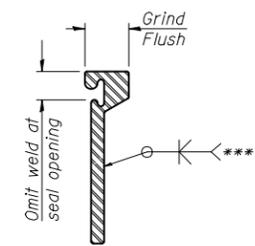


7/16"  $\phi$  holes at 4'-0" cts. for 3/8"  $\phi$  bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

**SECTION THRU WELDED RAIL JOINT**

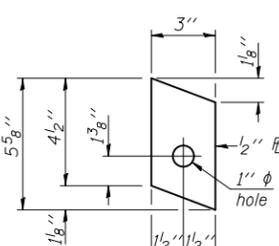


**ROLLED EXTRUDED RAIL WELDED RAIL**

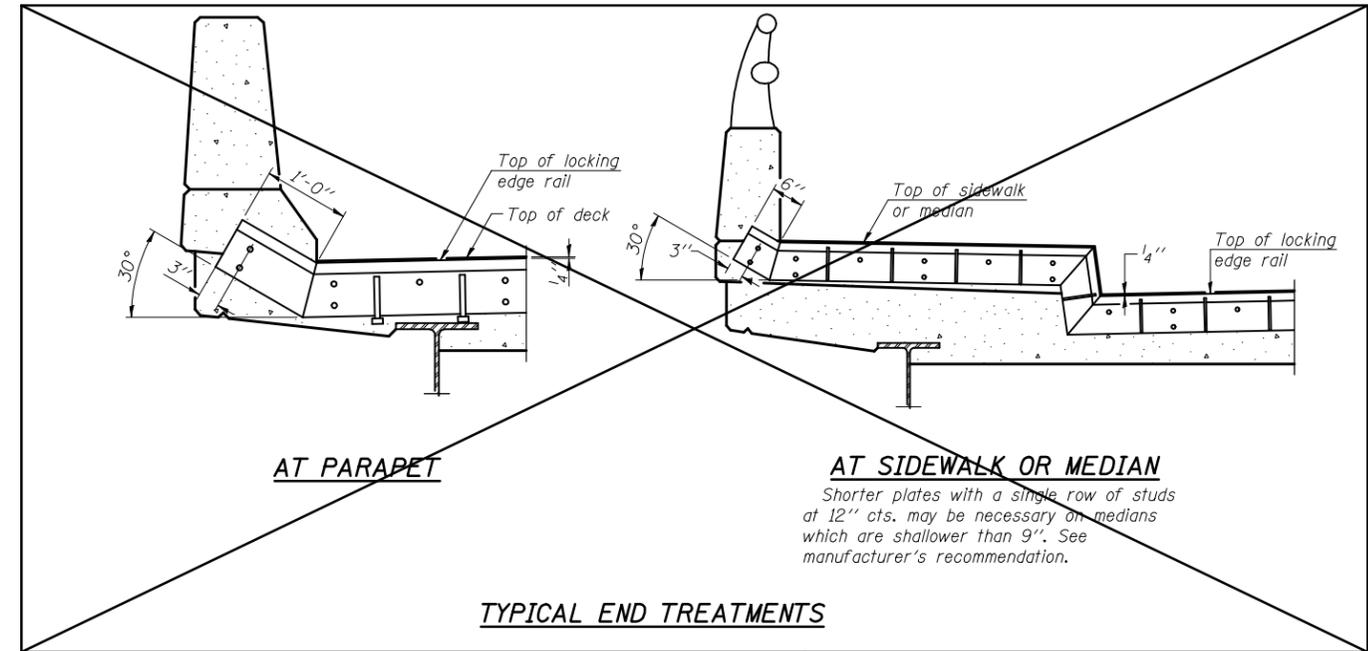


**LOCKING EDGE RAIL SPLICE**

The inside of the locking edge rail groove shall be free of weld residue.

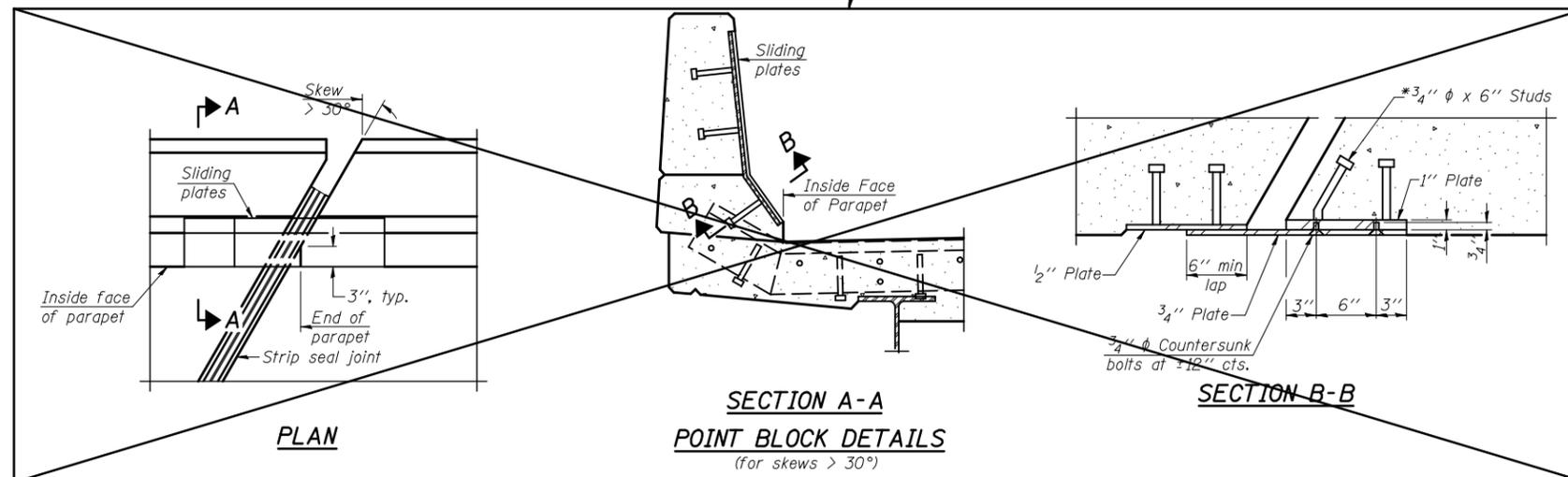


**ANCHOR PLATE (for welded rail)**



**TYPICAL END TREATMENTS**

\* SEE DISTRICT 5 PREFORMED JOINT STRIP SEAL DETAIL, SHEET # 15



**PLAN**

**SECTION A-A POINT BLOCK DETAILS (for skews > 30°)**

**SECTION B-B**

**BILL OF MATERIAL**

Item	Unit	Total
Prefomed Joint Strip Seal	Foot	72

**PREFORMED JOINT STRIP SEAL STRUCTURE NO. 092-0048**

EJ-SSJ

10-1-08

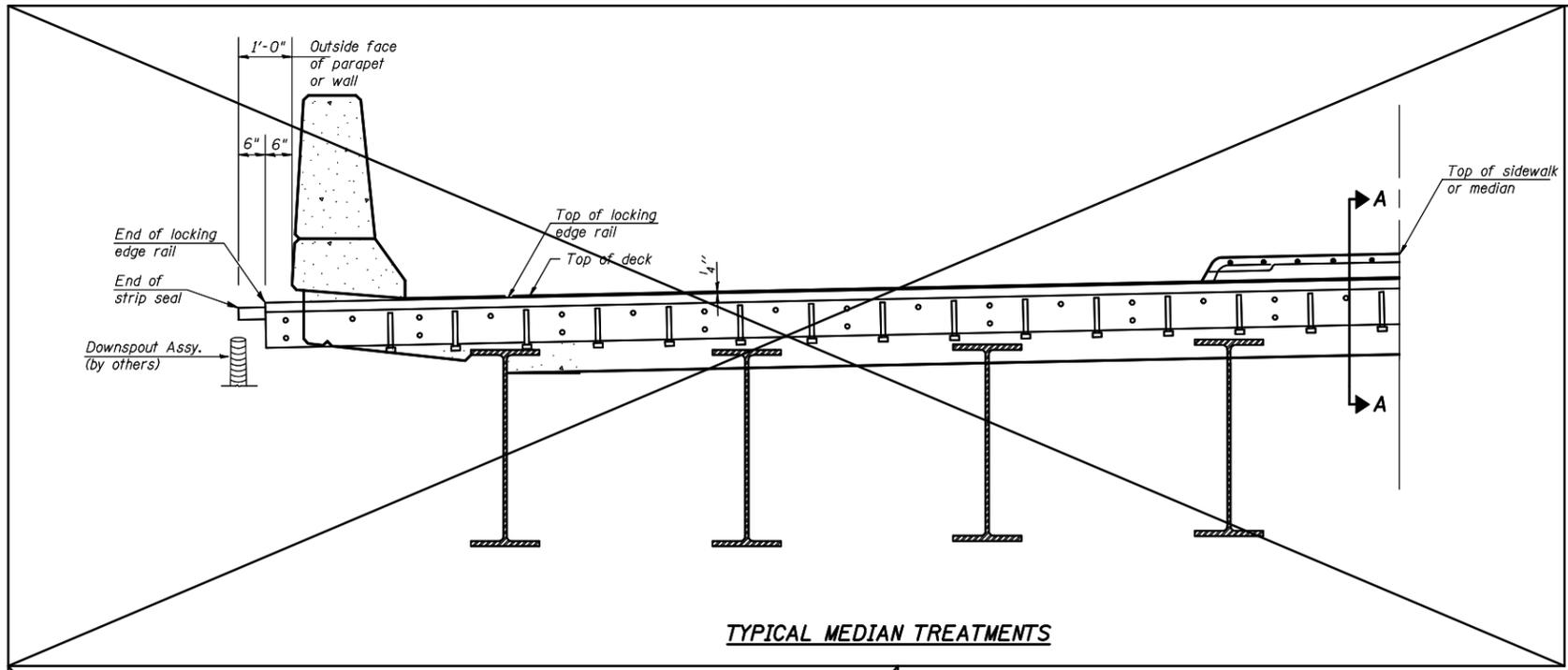
FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -
et:\pw\work\p\WIDOT\CEARLOCKJD\0101475\0590866-Hyd.dgn		DRAWN -	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 2/6/2009		DATE -	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

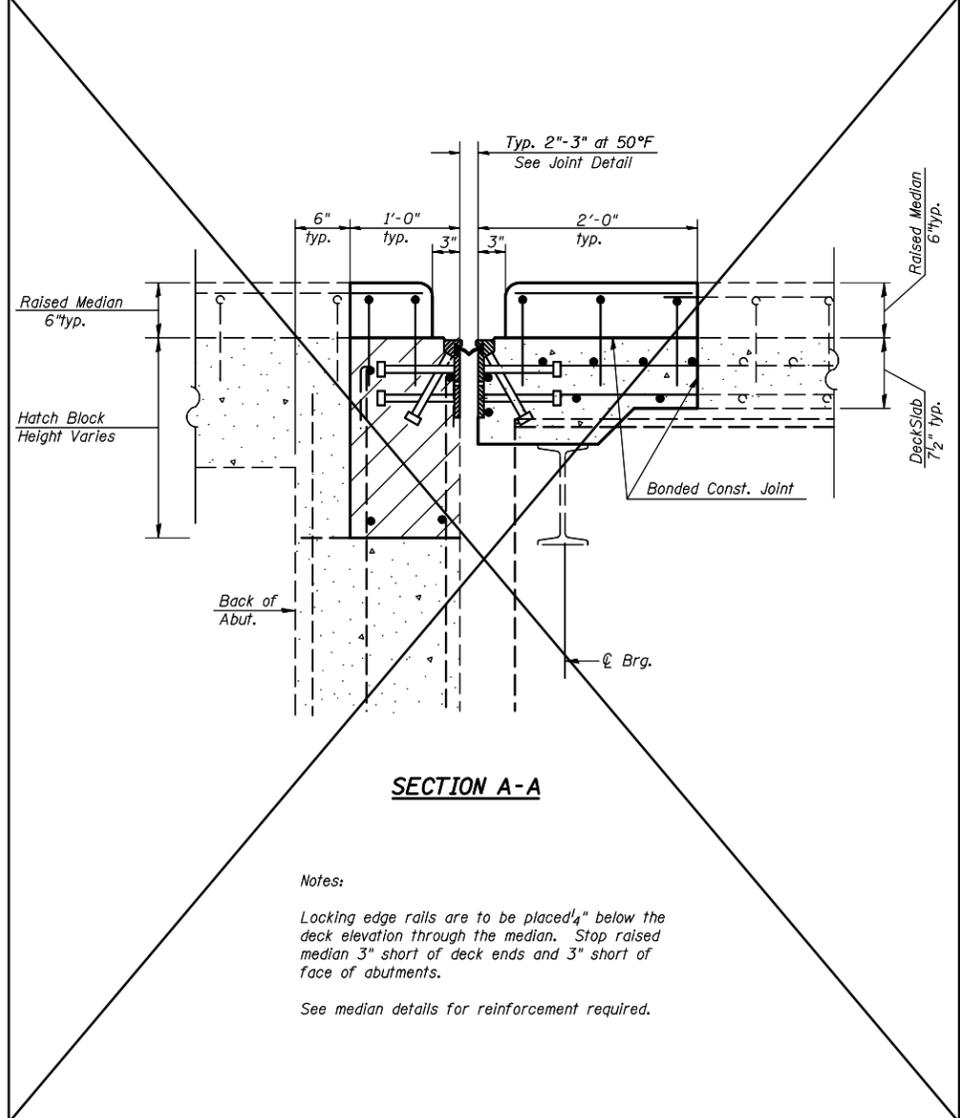
**PREFORMED JOINT STRIP SEAL S.N. 092-0048**

SCALE: SHEET NO. 14 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	53
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 90866		

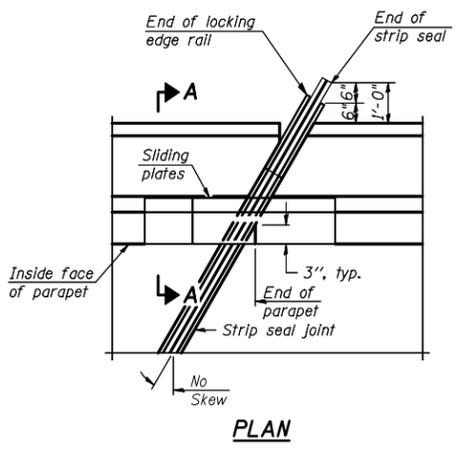


**TYPICAL MEDIAN TREATMENTS**

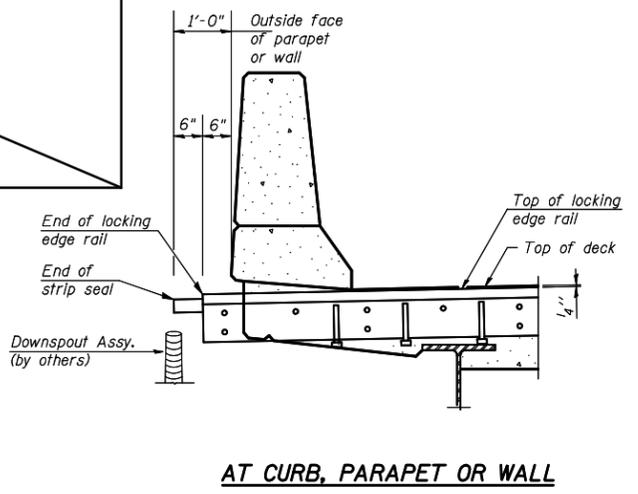


**SECTION A-A**

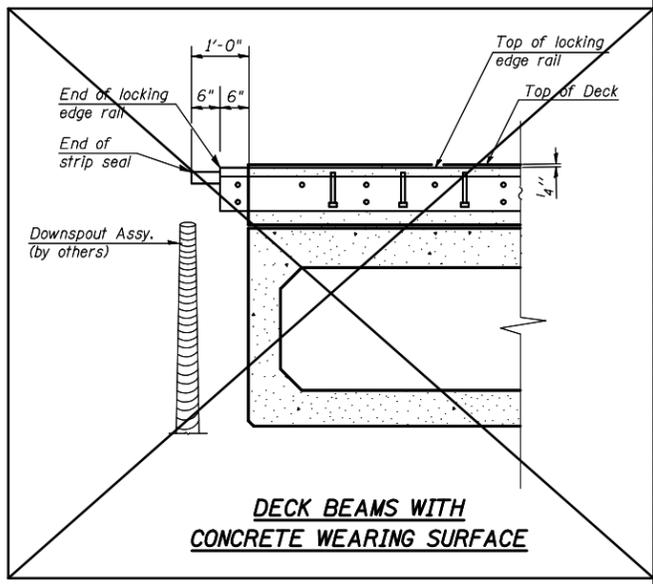
Notes:  
 Locking edge rails are to be placed 1/4" below the deck elevation through the median. Stop raised median 3" short of deck ends and 3" short of face of abutments.  
 See median details for reinforcement required.



**PLAN**

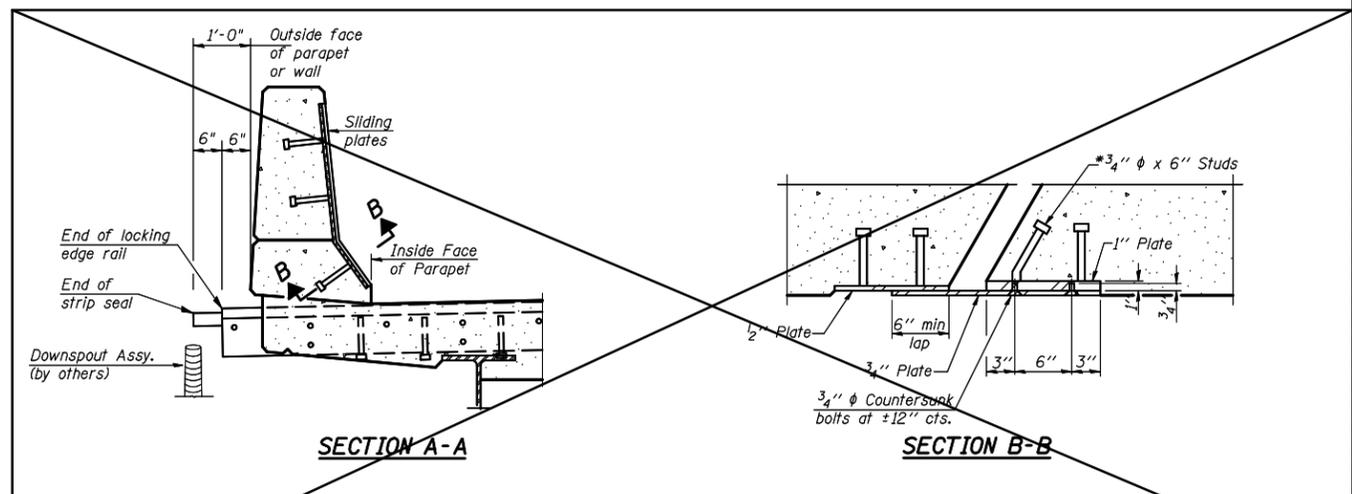


**AT CURB, PARAPET OR WALL**



**DECK BEAMS WITH CONCRETE WEARING SURFACE**

**TYPICAL END TREATMENTS**



**SECTION A-A**

**SECTION B-B**

**POINT BLOCK DETAILS (for skews > 30°)**

FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -
ce:\pwork\p\WIDOT\CEARLOCKJD\dms87656\0910866-Hyd.dgn		DRAWN -	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 2/6/2009		DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT 5 PREFORMED JOINT STRIP SEAL DETAILS**

SCALE: SHEET NO. 15 OF 17 SHEETS STA. TO STA.

**DISTRICT 5 DETAIL NO. 52000AAA**

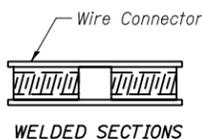
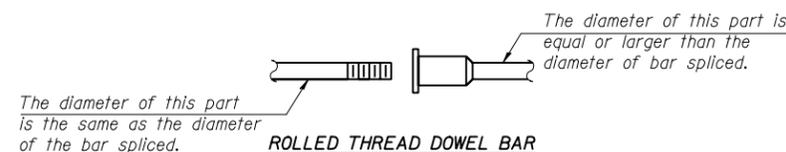
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR		75	54
			CONTRACT NO. 90866	
ILLINOIS FED. AID PROJECT				

**NOTES**

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.  
 Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.  
 All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.  
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.  
 Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

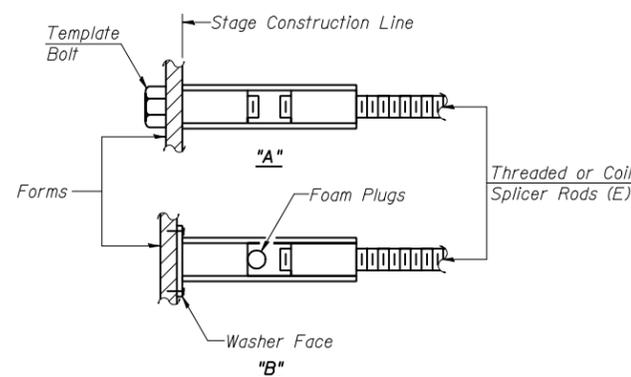
- ① Minimum Capacity =  $1.25 \times f_y \times A_t$   
 (Tension in kips)
  - ② Minimum \*Pull-out Strength =  $0.66 \times f_y \times A_t$   
 (Tension in kips)
- Where  $f_y$  = Yield strength of lapped reinforcement bars in ksi.  
 $A_t$  = Tensile stress area of lapped reinforcement bars.  
 \* = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-2"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



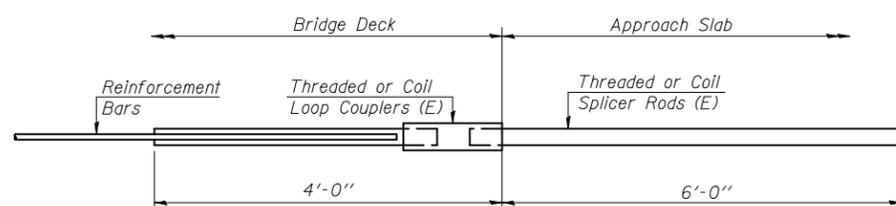
**BAR SPLICER ASSEMBLY ALTERNATIVES**

\*\*Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



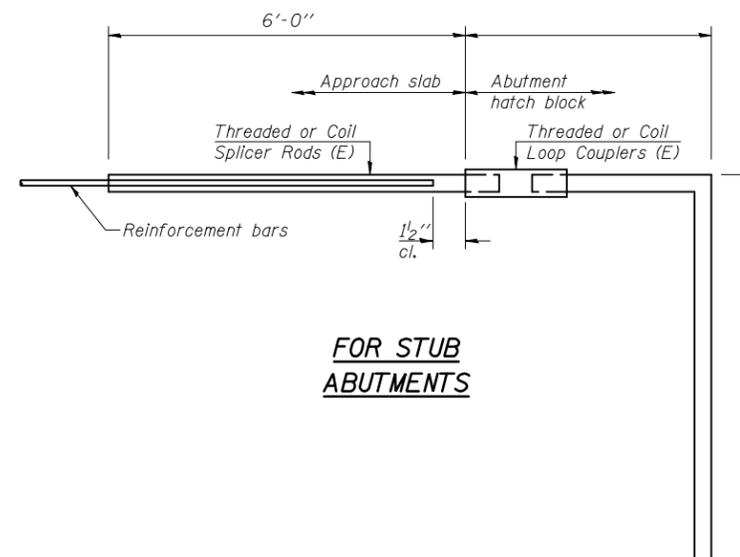
**INSTALLATION AND SETTING METHODS**

"A" : Set bar splicer assembly by means of a template bolt.  
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.  
 (E) : Indicates epoxy coating.



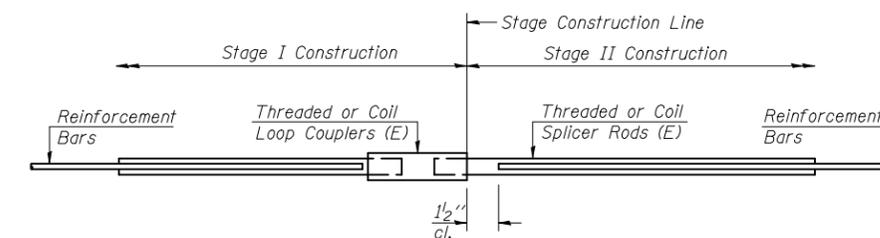
**FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS**

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =



**FOR STUB ABUTMENTS**

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =



**STANDARD**

Bar Size	No. Assemblies Required	Location
#5	11	East Abutment
#5	11	West Abutment

BSD-1

10-1-08

FILE NAME =	USER NAME = ceorlockjd	DESIGNED - SC	REVISED -
et:\pw\work\PIWIDOT\CEARLOCKJD\dms87656\090866-Hyd.dgn		DRAWN - JP	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 2/6/2009		DATE - 12-24-08	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BRIDGE DECK SLAB REPAIR S.N. 092-0048**

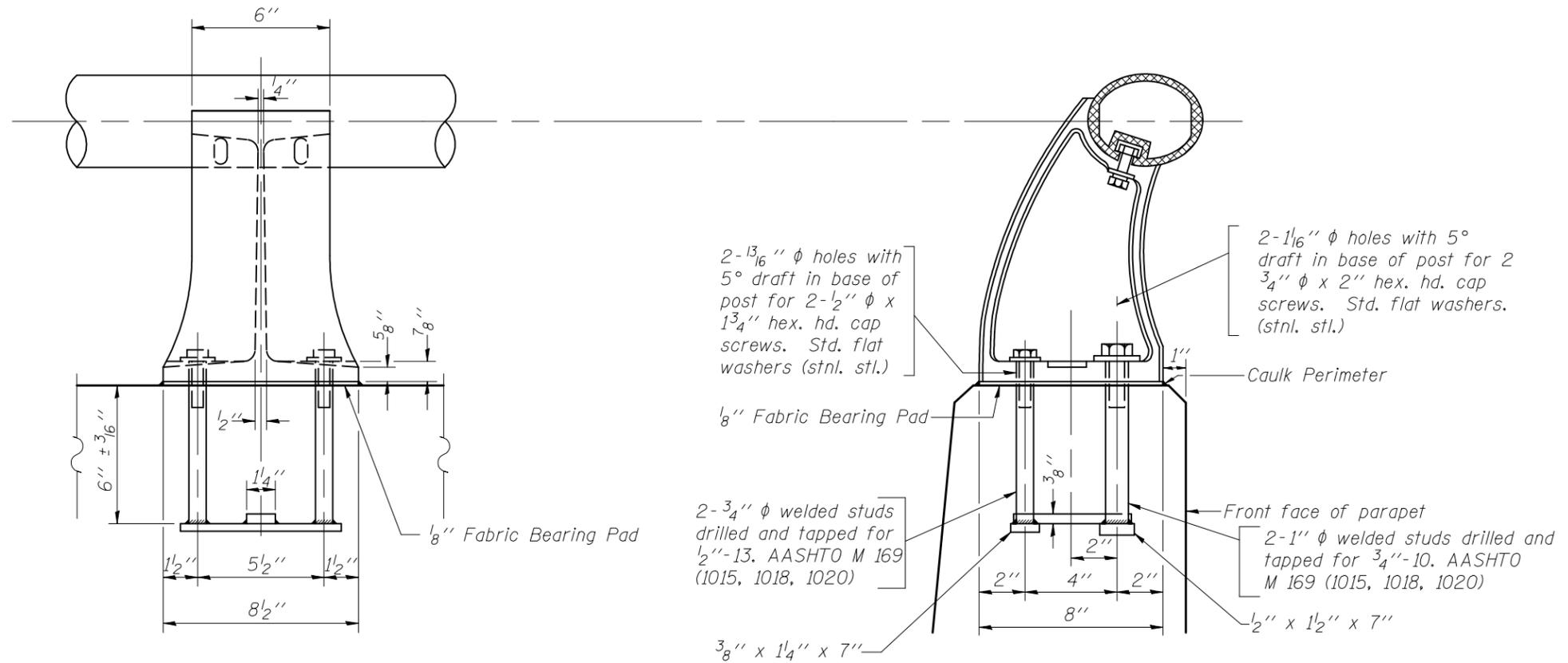
SCALE: NA SHEET NO. 16 OF 17 SHEETS STA. TO STA.

**BAR SPLICER ASSEMBLY DETAILS  
STRUCTURE NO. 092-0048**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	55
CONTRACT NO. 90866				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# DETAIL FOR ANCHORAGE OF RAIL POST

## SN 092-0048

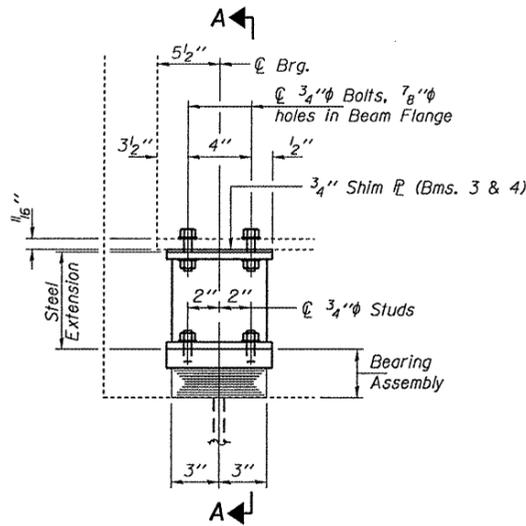


### ANCHORAGE OF RAIL POST

*Note:*  
 Cost of rail post to be removed and  
 reinstalled included with Concrete Removal.

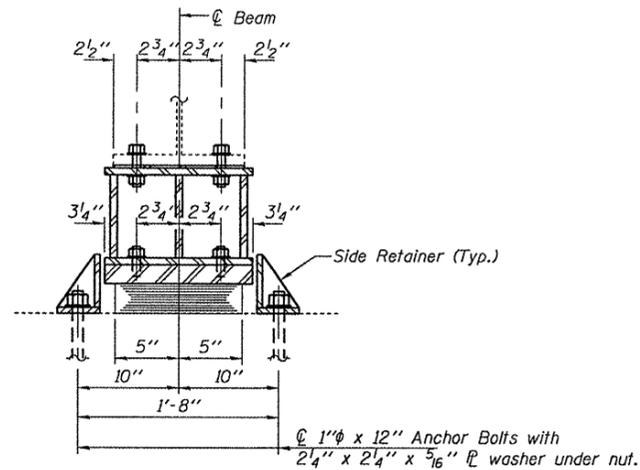
FILE NAME =	USER NAME = ceorlockjd	DESIGNED - FROM BRIDGE CELLS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAIL FOR ANCHORAGE OF POST</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PWIDOT\CEARLOCKJD\dms87656\0590866-Hjd.dgn		DRAWN - (BSD-1) MODIFIED	REVISED -		697	46RS-8&1RS-2&46BDR	VERMILION	75	56			
PLOT SCALE = 40.0000 ' / IN.		CHECKED -	REVISED -		CONTRACT NO. 90866			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
PLOT DATE = 2/6/2009		DATE - 12-17-08	REVISED -		SCALE: NA	SHEET NO. 17 OF 17 SHEETS	STA.	TO STA.				

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



ELEVATION AT ABUTMENT

TYPE I ELASTOMERIC EXP. BRG.

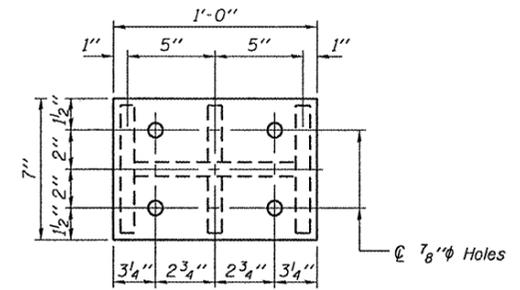


SECTION A-A

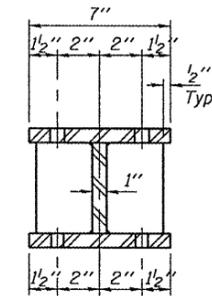
BEAM REACTIONS

R <sub>P</sub>	(K)	17.2
R <sub>t</sub>	(K)	29.3
Imp.	(K)	8.6
R (Total)	(K)	55.1

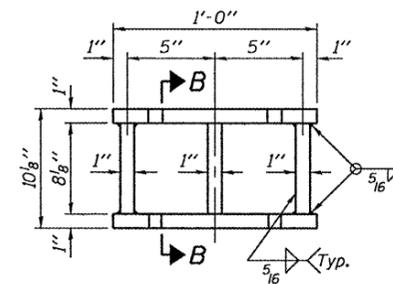
Notes:  
Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.  
New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.  
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Min. jack capacity = 30 Tons.  
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (F<sub>y</sub>=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.  
Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.  
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.  
Side retainers shall be included in the cost of Elastomeric Bearing Assembly, Type I.



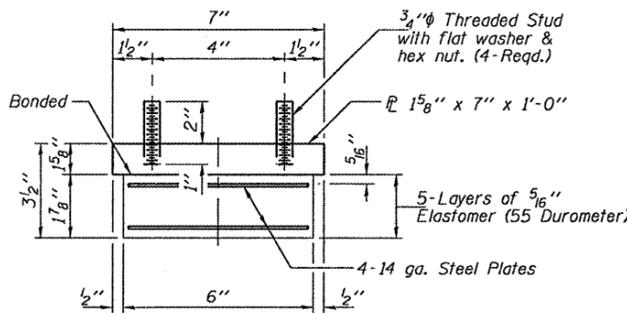
PLAN TOP AND BOTTOM PLATE



SECTION B-B

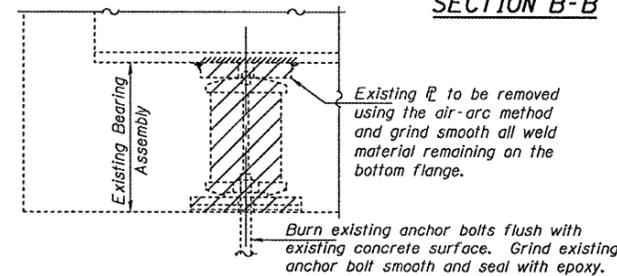


STEEL EXTENSION DETAIL



BEARING ASSEMBLY

Note:  
Shim plates shall not be placed under Bearing Assembly.



EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	6
Jack and Remove Existing Bearings	Each	6
Furnishing and Erecting Structural Steel	Pound	740
Anchor Bolts 1"φ	Each	12

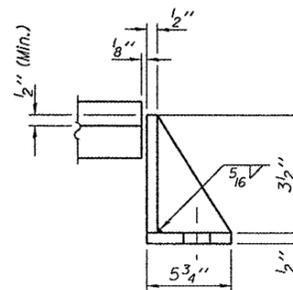
BEARING REPLACEMENT DETAILS

WEST ABUTMENT

SN 092-0048

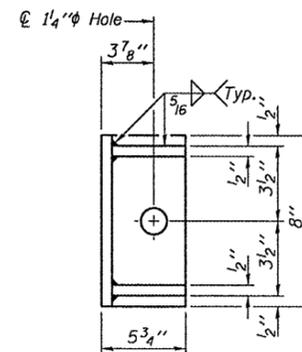


EXPIRES 11-30-2010



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



DESIGNED	Richard A. Veloz
CHECKED	Ralph E. Anderson
DRAWN	baliva
CHECKED	VHV

EXAMINED	Ralph E. Anderson	FEBRUARY 20, 2009
PASSED	Ralph E. Anderson	ENGINEER OF BRIDGES AND STRUCTURES

TYI/REPS 12-03-2008

SHEET NO. 1	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2 SHEETS	697	4GRS-8 & 1RS-2 & 46BDR	VERMILION	75	57
			CONTRACT NO. 90866		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BEAM REACTIONS

RP	(K)	17.2
Rt	(K)	29.3
Imp.	(K)	8.6
R (Total)	(K)	55.1

Notes:

Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.

New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel. Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Min. jack capacity = 30 Tons.

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

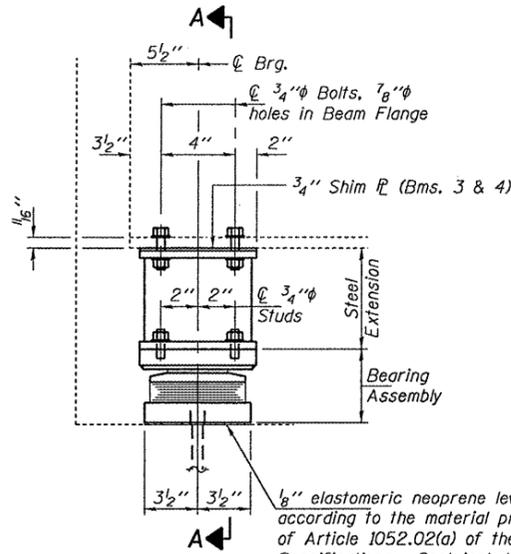
Anchor bolts for Type II bearings shall be placed in holes drilled through the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Side retainers shall be included in the cost of Elastomeric Bearing Assembly, Type II.

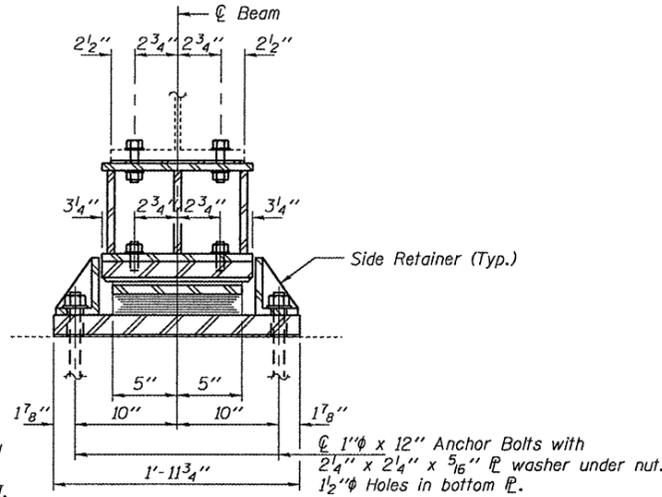
The 1/8" PTFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 1/8" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

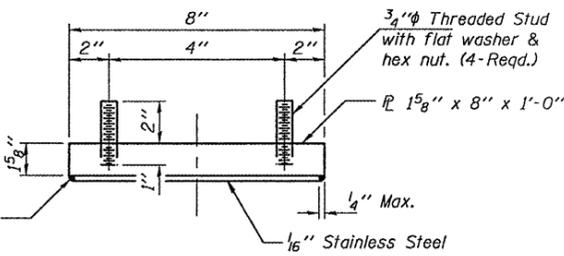


ELEVATION AT ABUTMENT

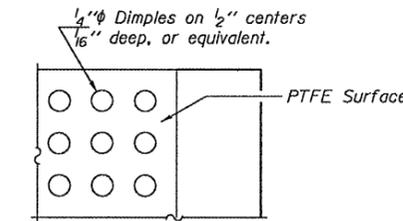
TYPE II TFE ELASTOMERIC EXP. BRG.



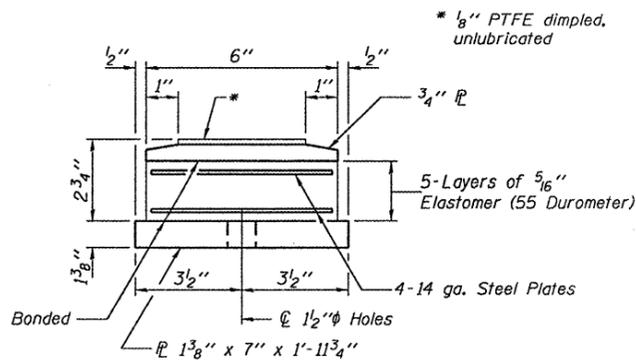
SECTION A-A



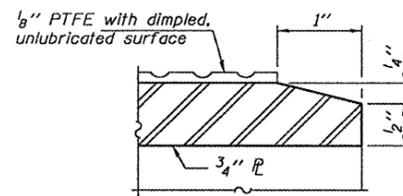
TOP BEARING ASSEMBLY



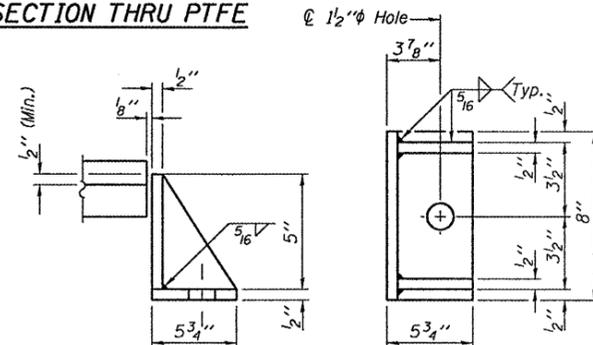
PLAN-PTFE SURFACE



BOTTOM BEARING ASSEMBLY

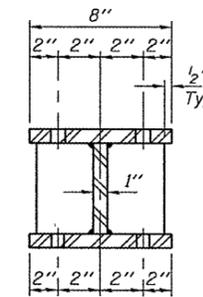


SECTION THRU PTFE

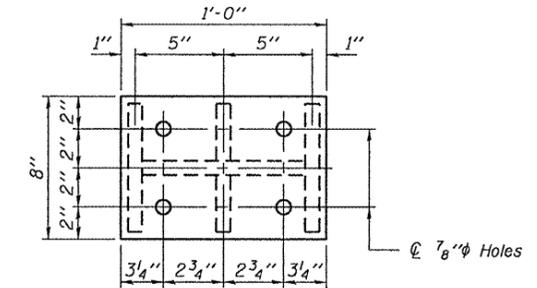


SIDE RETAINER

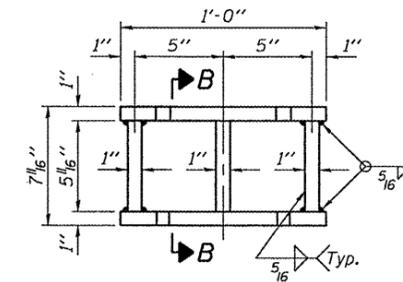
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



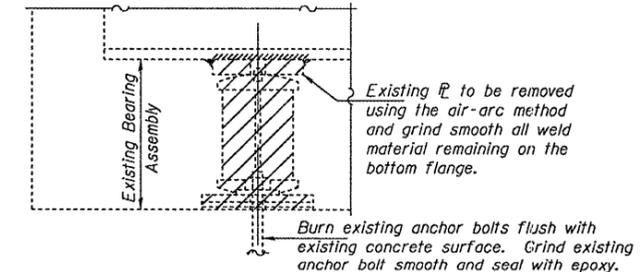
SECTION B-B



PLAN TOP AND BOTTOM PLATE

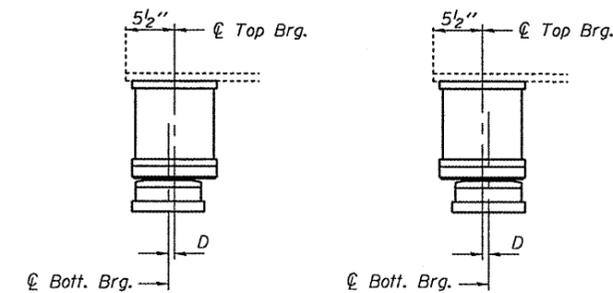


STEEL EXTENSION DETAIL



EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.



BELOW 50° F. (Move bott. brg. away from fixed brg.) ABOVE 50° F. (Move bott. brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT EXP. BRG.

D = 1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type II	Each	6
Jack and Remove Existing Bearings	Each	6
Furnishing and Erecting Structural Steel	Pound	660
Anchor Bolts 1"φ	Each	12

BEARING REPLACEMENT DETAILS

EAST ABUTMENT

SN 092-0048

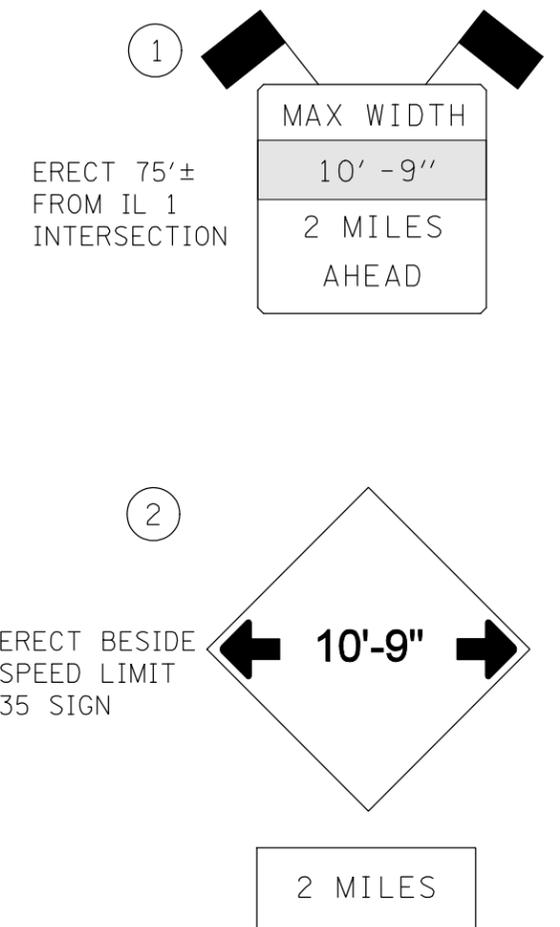
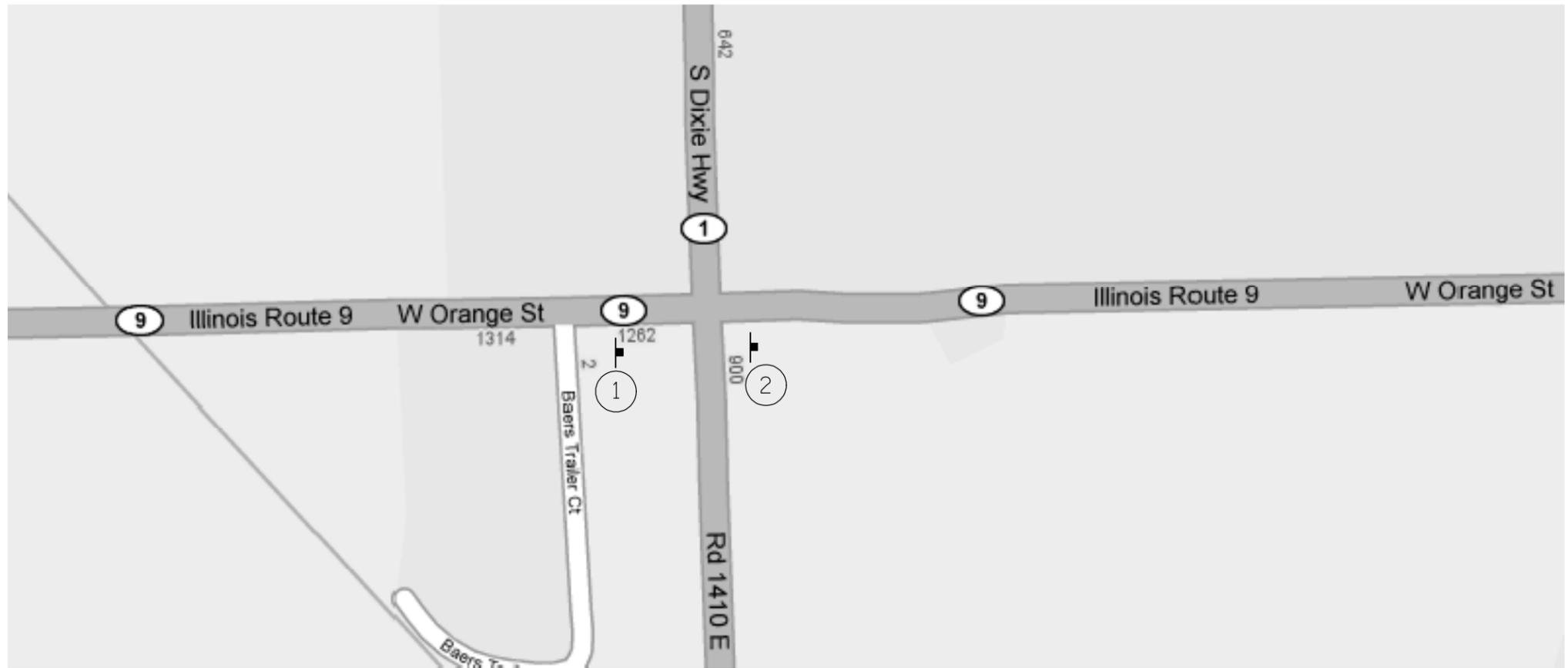
DESIGNED	VHV
CHECKED	DAB
DRAWN	baliva
CHECKED	VHV DAB

FEBRUARY 20, 2009  
EXAMINED *Carl Hoyer*  
ENGINEER OF STRUCTURAL SERVICES  
PASSED *Ralph E. Anderson*  
ENGINEER OF BRIDGES AND STRUCTURES

TYII/REPS 12-03-2008

SHEET NO. 2 2 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	697	46RS-8 & 1RS-2 & 46BDR	VERMILION	75	58
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 90866	

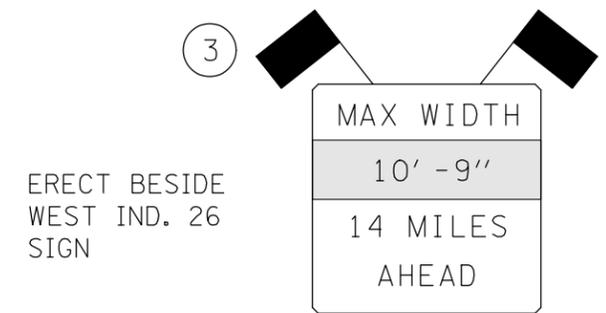
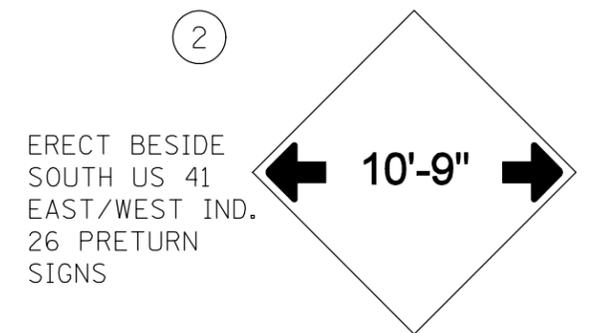
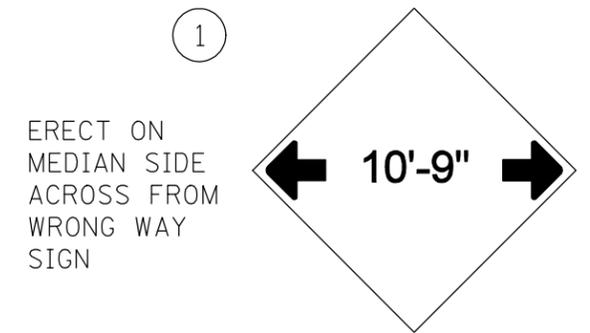
# WIDTH RESTRICTION SIGNING DETAIL



PLAN NOTE:  
EXACT LOCATIONS OF WIDTH RESTRICTION SIGNING  
TO BE DETERMINED BY TRAFFIC CONTROL SUPERVISOR  
PRIOR TO CONSTRUCTION.

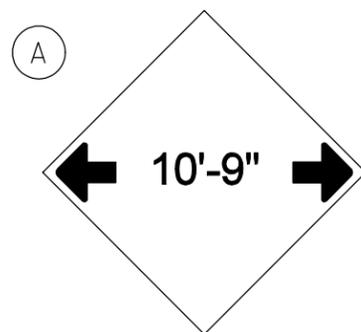
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ct\pwork\pwork\PWIDOT\CEARLOCKJD\dms87656\0590866-Hyd.dgn		DRAWN -	REVISED -			697	46RS-8&1RS-2&46BDR	VERMILION	75	59	
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 90866					
PLOT DATE = 2/6/2009		DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			
					SCALE: N/A	SHEET NO. 1 OF 3 SHEETS		STA.	TO STA.		

# WIDTH RESTRICTION SIGNING DETAIL

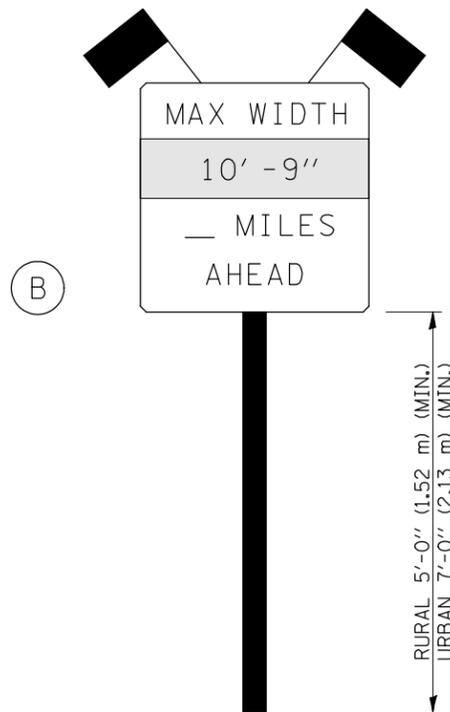


PLAN NOTE:  
EXACT LOCATIONS OF WIDTH RESTRICTION SIGNING  
TO BE DETERMINED BY TRAFFIC CONTROL SUPERVISOR  
PRIOR TO CONSTRUCTION.

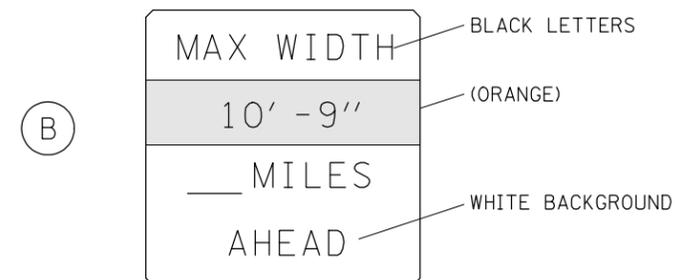
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ct\pwork\work\PWIDOT\CEARLOCKJD\dms87656\0590866-Hyd.dgn		DRAWN -	REVISED -		SCALE: N/A	SHEET NO. 2	OF 3	SHEETS	STA.	TO STA.	697	46RS-8&1RS-2&46BDR	VERMILION	75	60
		PLOT SCALE = 40.0000' / IN.	CHECKED -		REVISED -							CONTRACT NO. 90866			
		PLOT DATE = 2/6/2009	DATE -		REVISED -							ILLINOIS FED. AID PROJECT			



W12-2(0)-48"x48"(1200x1200)



SIGN PANEL, TYPE II



W12-I103(0)-48"x48"(1200x1200)  
"D" LETTERS/NUMBERS

SIGN (A) 2 SIGNS - W12-2(0)-48"x48"(1200x1200) ARE TO BE PLACED AT EACH END OF THE REPAIR IN EACH DIRECTION ALONG ROUTE \* .

SIGN (B) 2 SIGNS - (SIGN PANEL, TYPE II) AS SHOWN ARE TO BE PLACED APPROXIMATELY \* MILES EACH SIDE OF THE PROJECT ON ROUTE \* .

\* TO BE DETERMINED BY TRAFFIC CONTROL SUPERVISOR PRIOR TO CONSTRUCTION.

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
5. ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
6. ALL SIGNS SHOWN ORANGE (O) SHALL BE FLUORESCENT ORANGE.

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

FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED - 11/06
ct\pwwork\pwidot\CEARLOCKJD\dms87656\0590866-Hyd.dgn		DRAWN -	REVISED - 05/08
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	PLOT DATE = 2/6/2009	DATE -	REVISED -

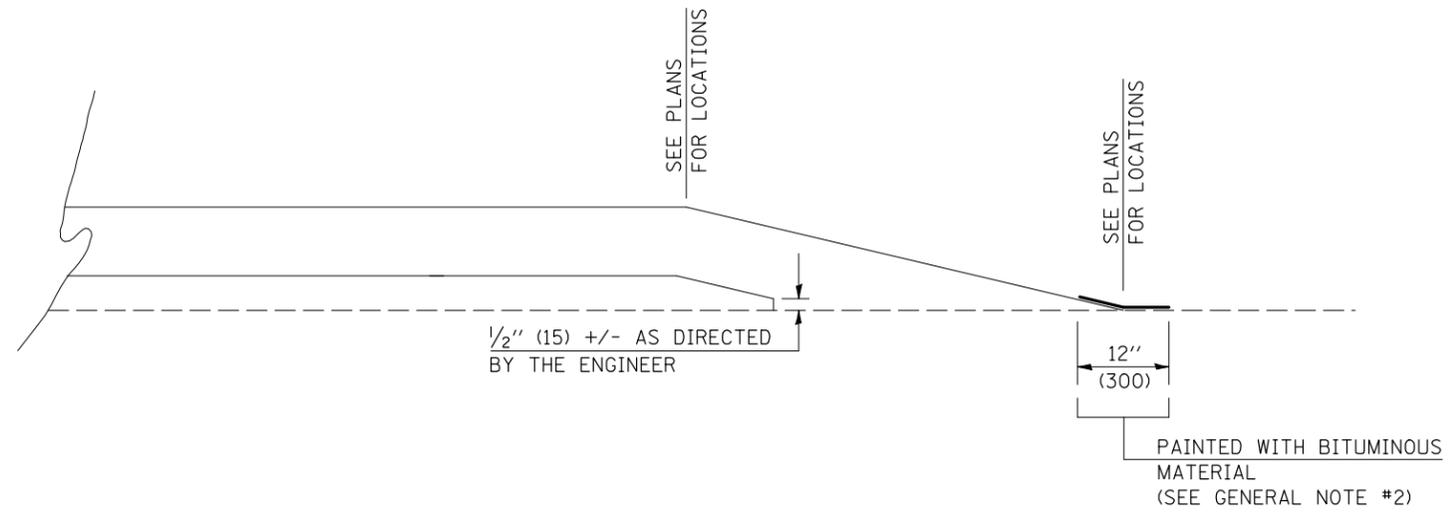
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WIDTH RESTRICTION SIGNING**

SCALE: SHEET NO. 3 OF 3 SHEETS STA. 90866 TO STA.

**DISTRICT 5 DETAIL NO. X7200201**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	61
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90866	



**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.

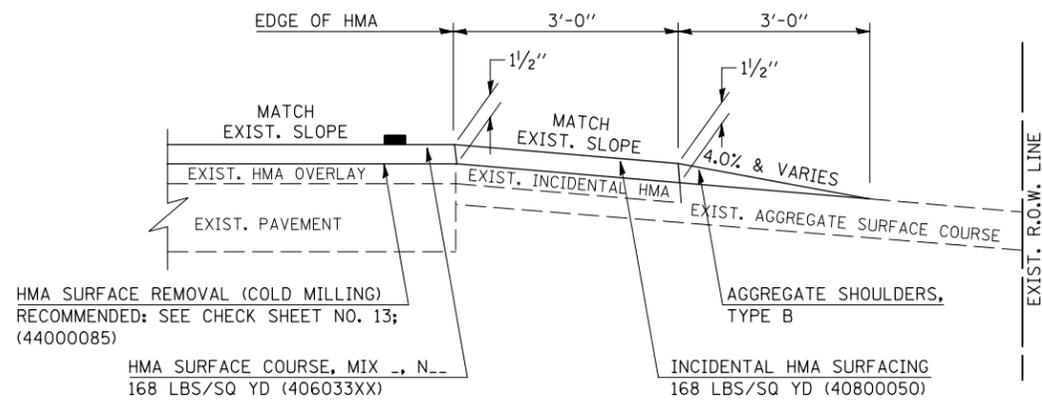
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**DISTRICT 5 DETAIL NO. 406AAAAA**

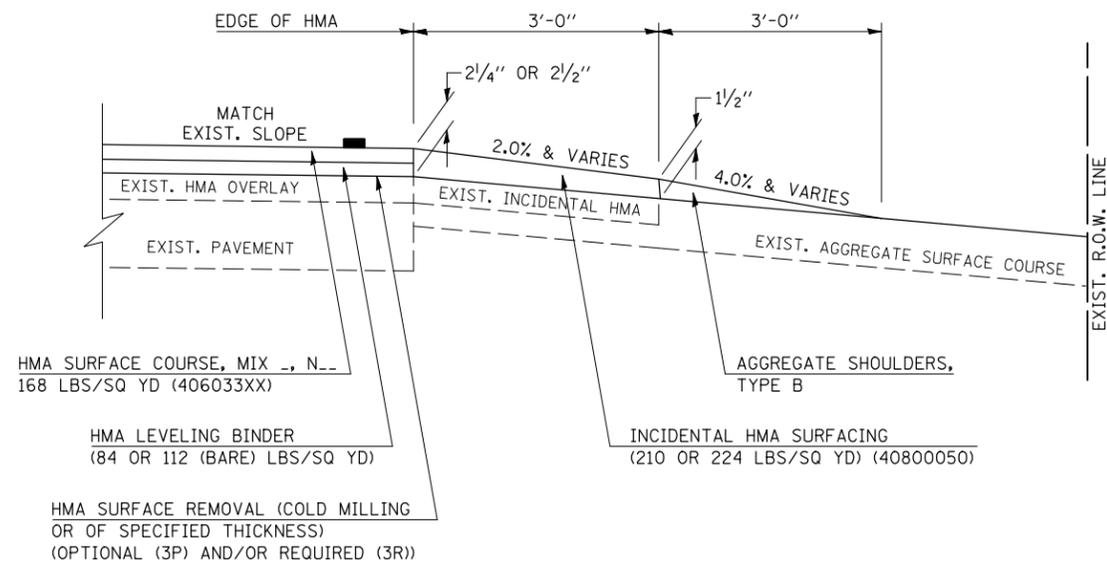
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ct:\pw\work\p\dot\ceorlockjd\dms87652\0690866\shd-details.dgn	DRAWN -	REVISED -	697					46RS-8&1RS-2&46BDR	VERMILION	75	62	
PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -	CONTRACT NO. 90866									
PLOT DATE = 2/6/2009	DATE -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

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

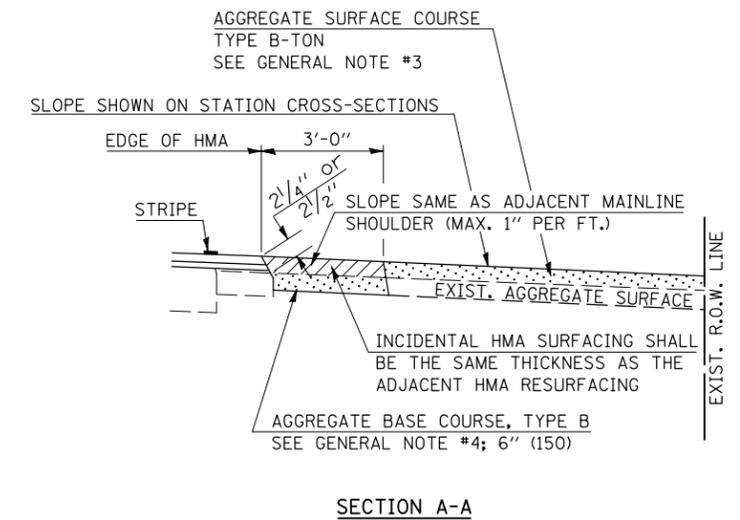
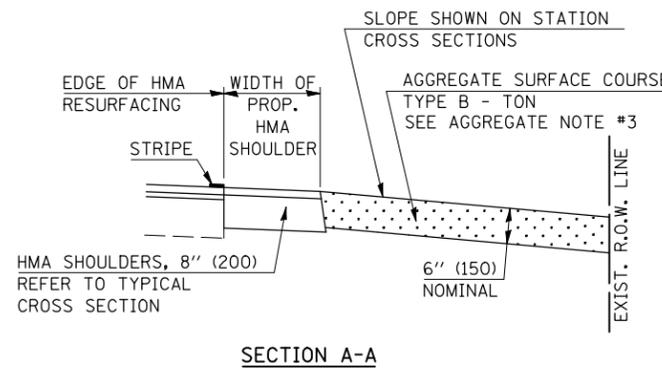
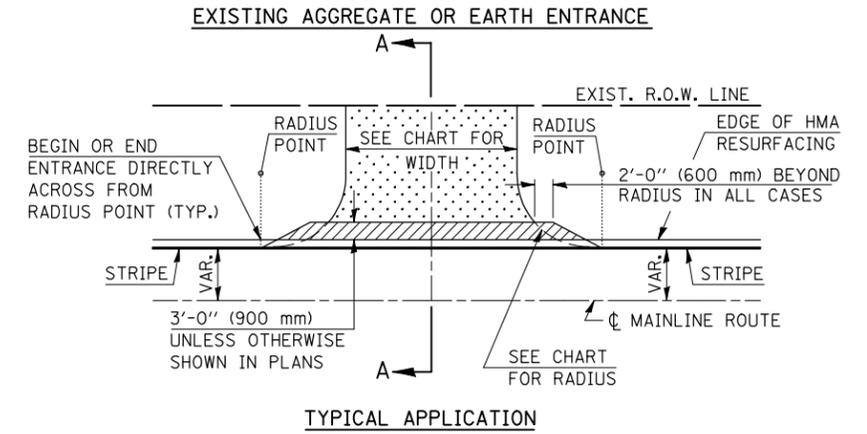
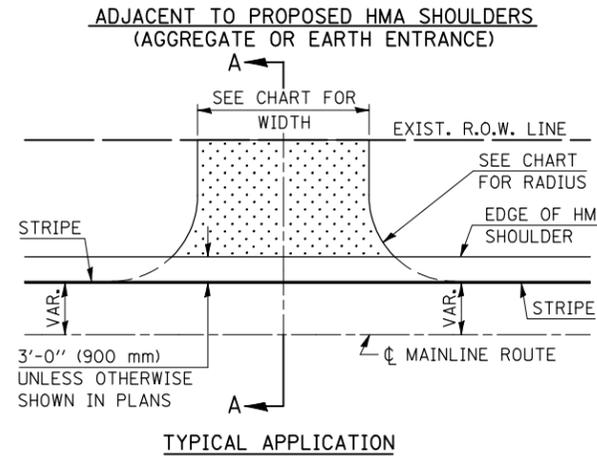
**S.M.A.R.T. IMPROVEMENTS**  
 (POLICY RESURFACING; BDE 53-4.03; 1/2")



**"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 = ceerlockjd	DESIGNED -	REVISED - 12/01/06 TJB
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	PLOT DATE = 2/6/2009	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	63
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90866	

**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)							1 LANE, 1 WAY						1 LANE, 1 WAY			
							14 16 24									
							2 LANE, 2 WAY						2 LANE, 2 WAY			
							24 30 35									
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 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								

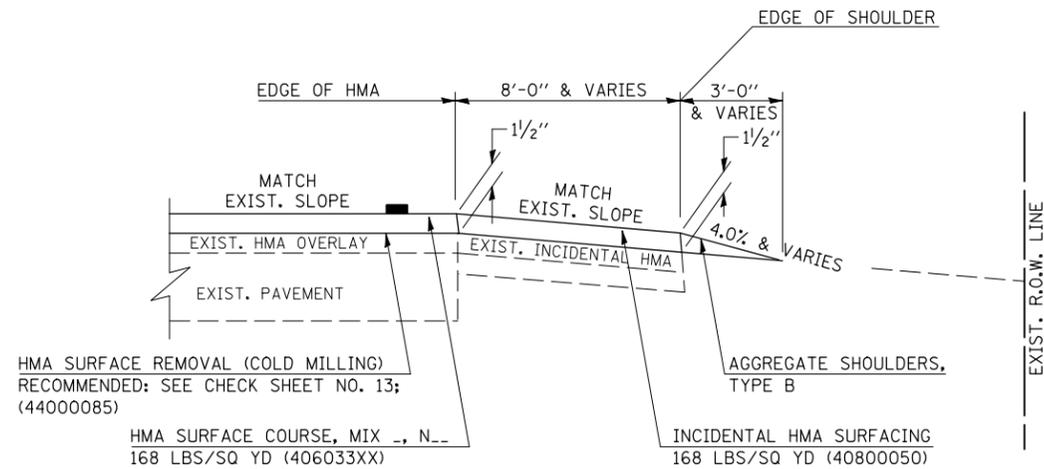
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**DISTRICT 5 DETAIL NO. 40800050A**

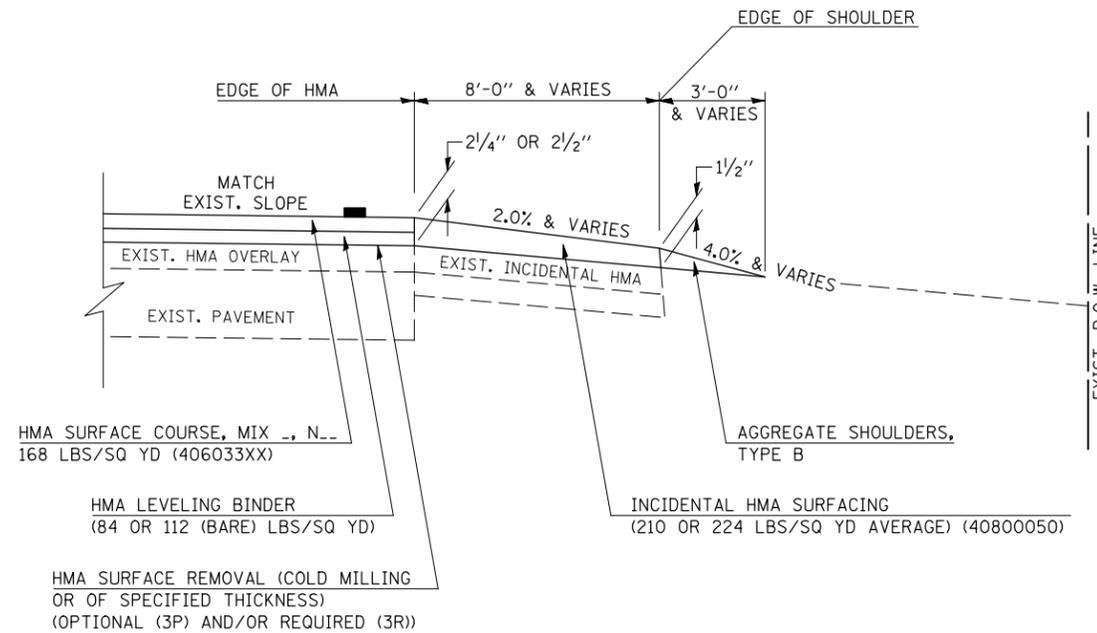
FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED - 12/01/06 TJB	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FIELD ENTRANCES (NONCOMMERCIAL RURAL)</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\ceorlockjd\dms87652\0690866\shd-details.dgn	DRAWN -	REVISED - 09/21/07 KAG	697			46RS-8&1RS-2&46BDR	VERMILION	75	64	
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED - 04/30/08 KJT	CONTRACT NO. 90866							
PLOT DATE = 2/6/2009	DATE -	REVISED -	SCALE: NA			SHEET NO. 2 OF 2 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

# 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)

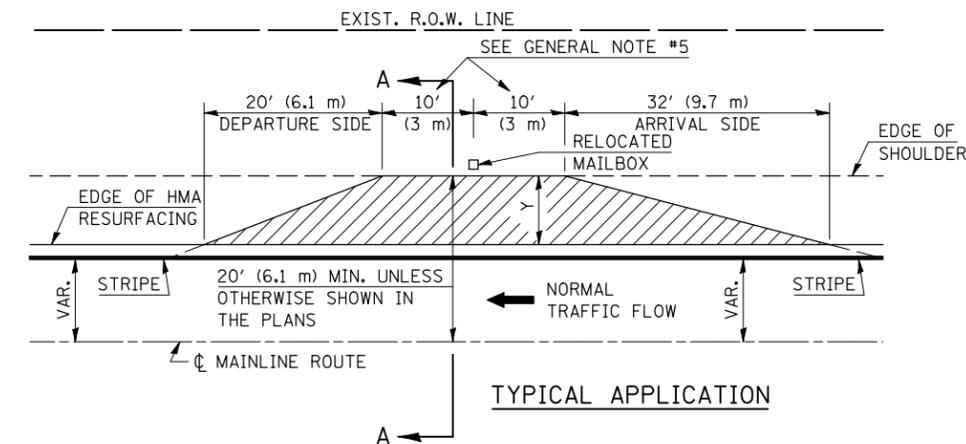


## GENERAL NOTES

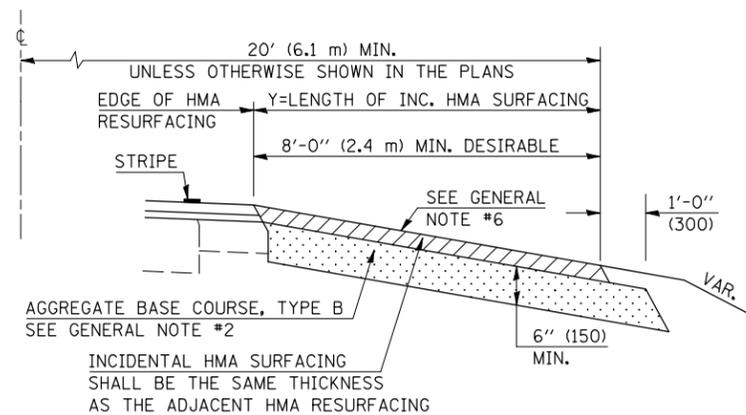
1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED MAILBOX TURNOUTS. THIS MATERIAL SHALL GENERALLY 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

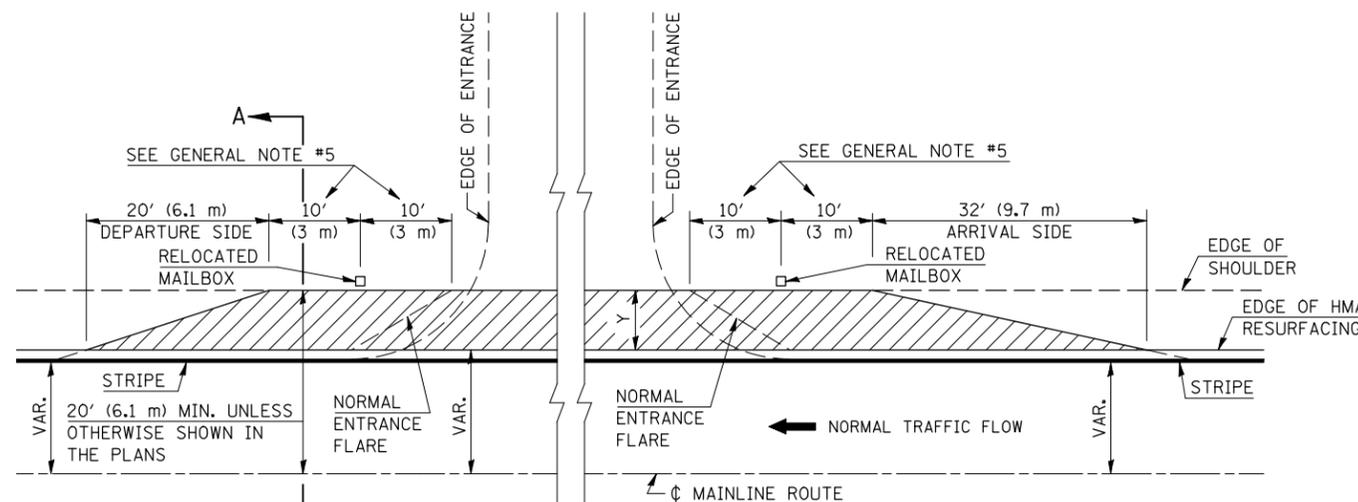
("3R" IMPROVEMENTS)



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)



SECTION A-A



TYPICAL MAILBOX TURNOUT PLACEMENT ADJACENT TO ENTRANCE

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

FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED - 12/11/06 TJB
ce:\pwk\work\p\dms\ceorlockjd\dms87652\090866-sht-details.dgn		DRAWN -	REVISED - 09/21/07 KAG
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAILBOX TURNOUT (RURAL)

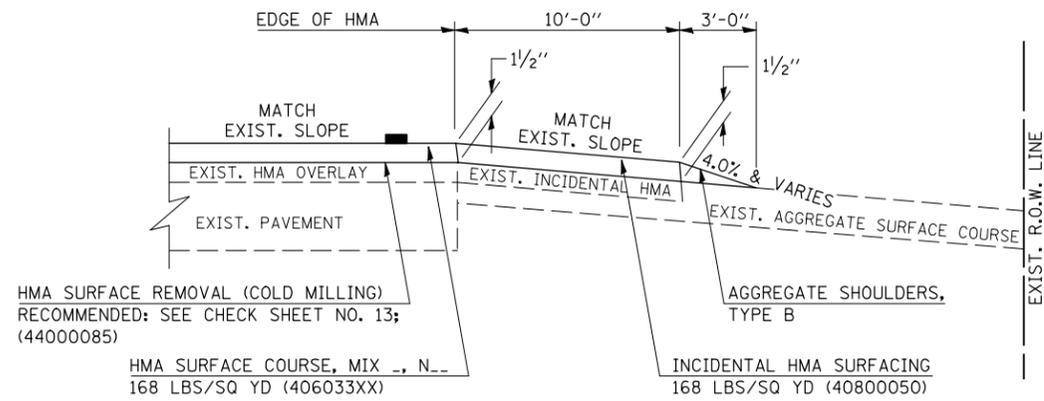
SCALE: NA SHEET NO. OF SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 40800050B

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	65
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90866	

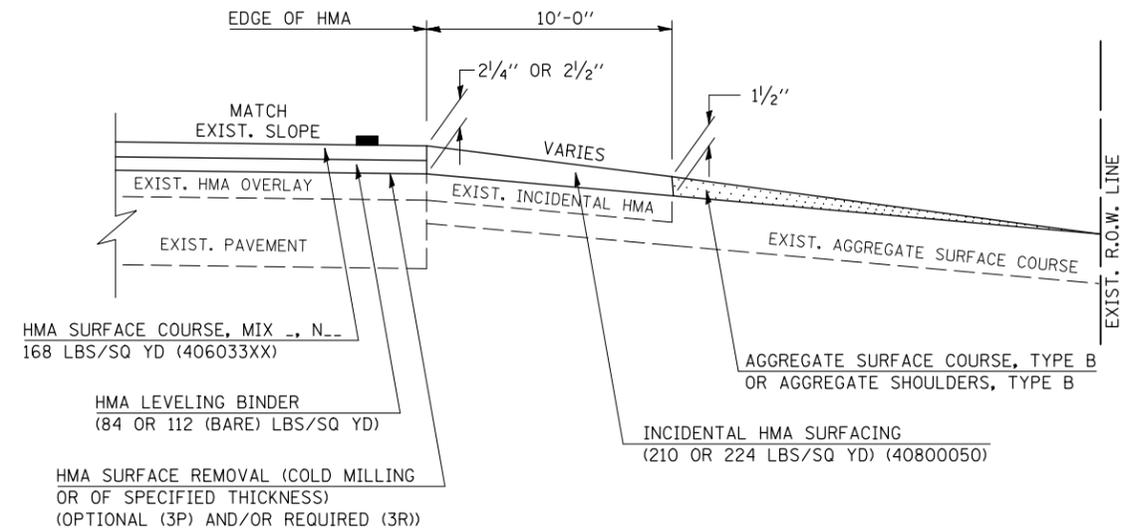
# PROJECTS WITHOUT RECONSTRUCTION

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

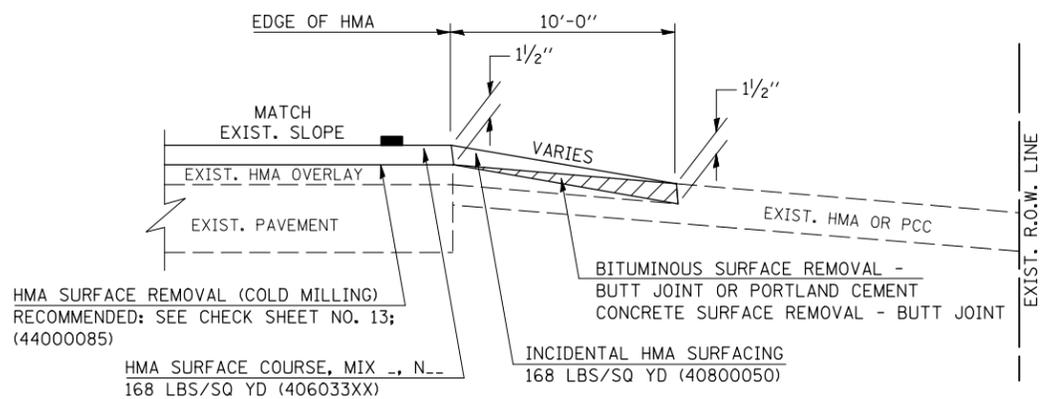


EXISTING AGGREGATE ENTRANCE

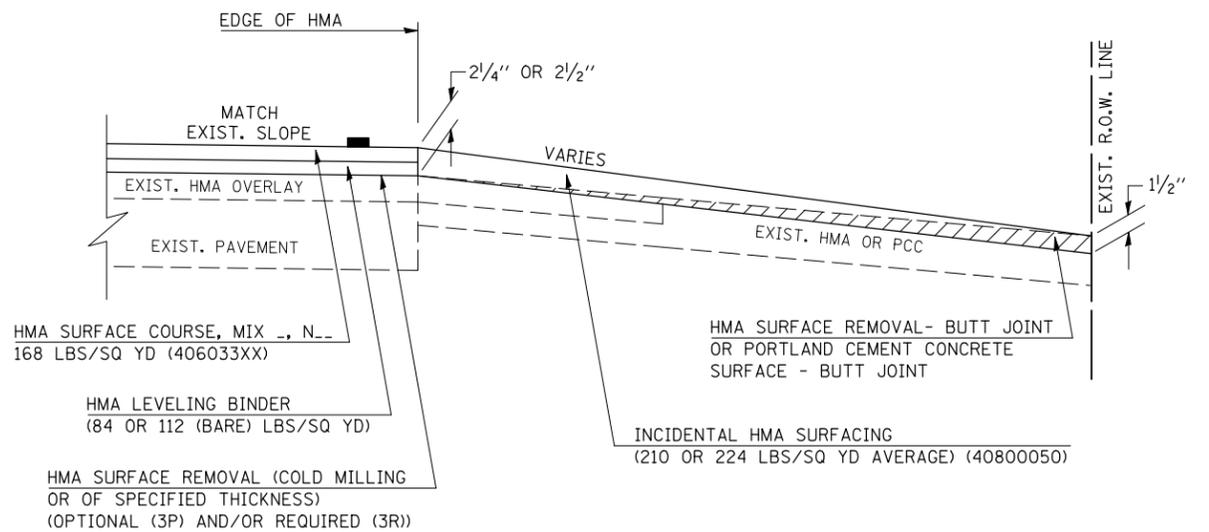
## "3P" OR "3R" IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.02; 2 1/4" OR 2 1/2" ON BARE CONCRETE)



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. 4080050C

FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED - 12/08/06 TJB
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	PLOT DATE = 2/6/2009	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

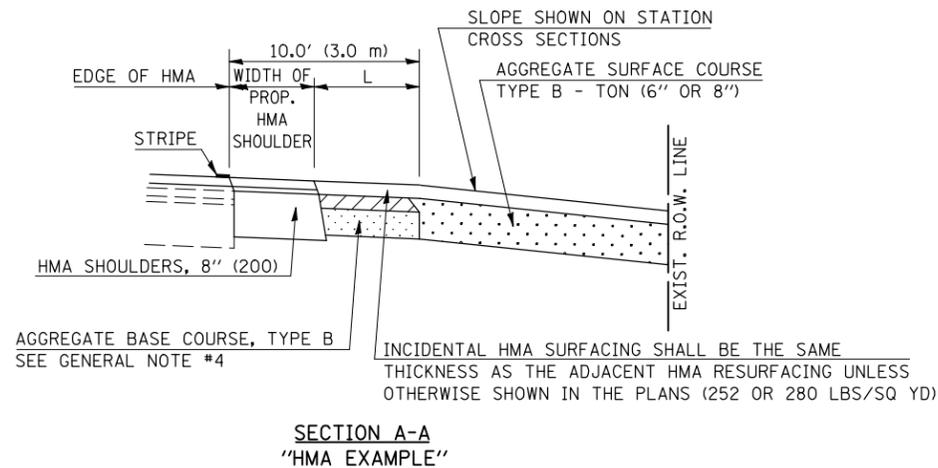
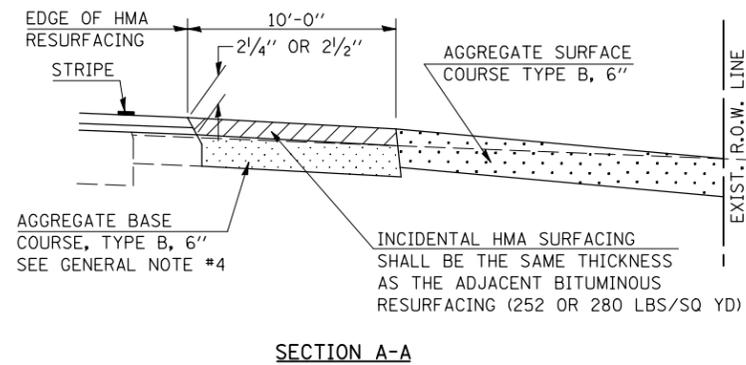
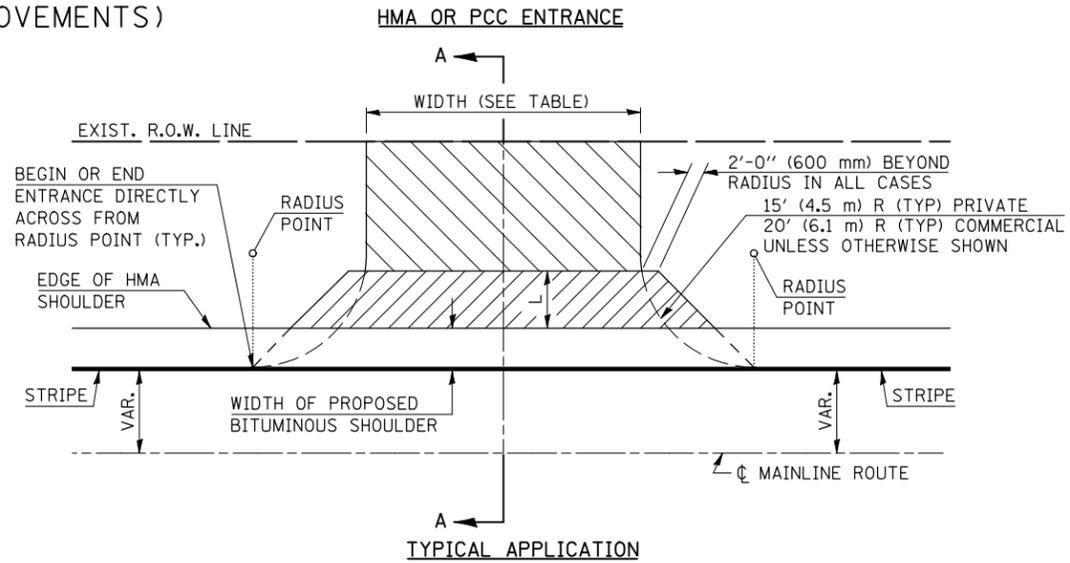
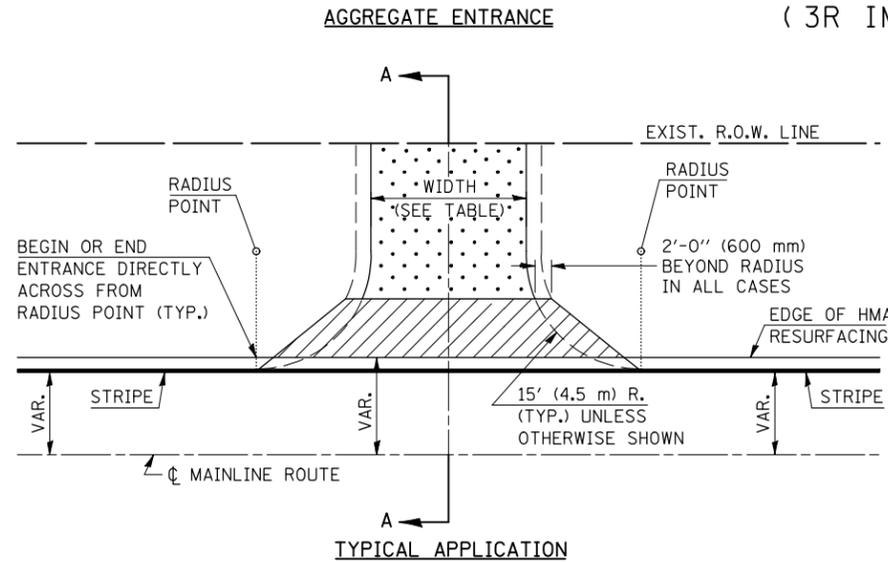
PRIVATE AND COMMERCIAL ENTRANCES  
(NONCOMMERCIAL AND COMMERCIAL RURAL)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	66
CONTRACT NO. 90866				
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			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					
							14	16	24						
RADIUS (FT)	15    25    40    30						2 LANE, 2 WAY			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					
							24	30	35						
SHOULDER WIDTH (FT)	2						1	3		if applicable use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02					
SHOULDER SLOPE (%)	2						2	4							
ENTRANCE GRADE (%)	0						2 to 5		8 or 10						
SIDE SLOPE (FT)	1:10						1:6		1:4						
<b>SURFACE TYPE</b>															
INCIDENTAL HMA SURFACING (INCH)	2						3 or 4								
AGGREGATE SURFACE COURSE, TYPE B (INCH)	6						8								
PCC DRIVEWAY PAVEMENT (INCH)	6									6 or 8					

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

### DISTRICT 5 DETAIL NO. 4080050C

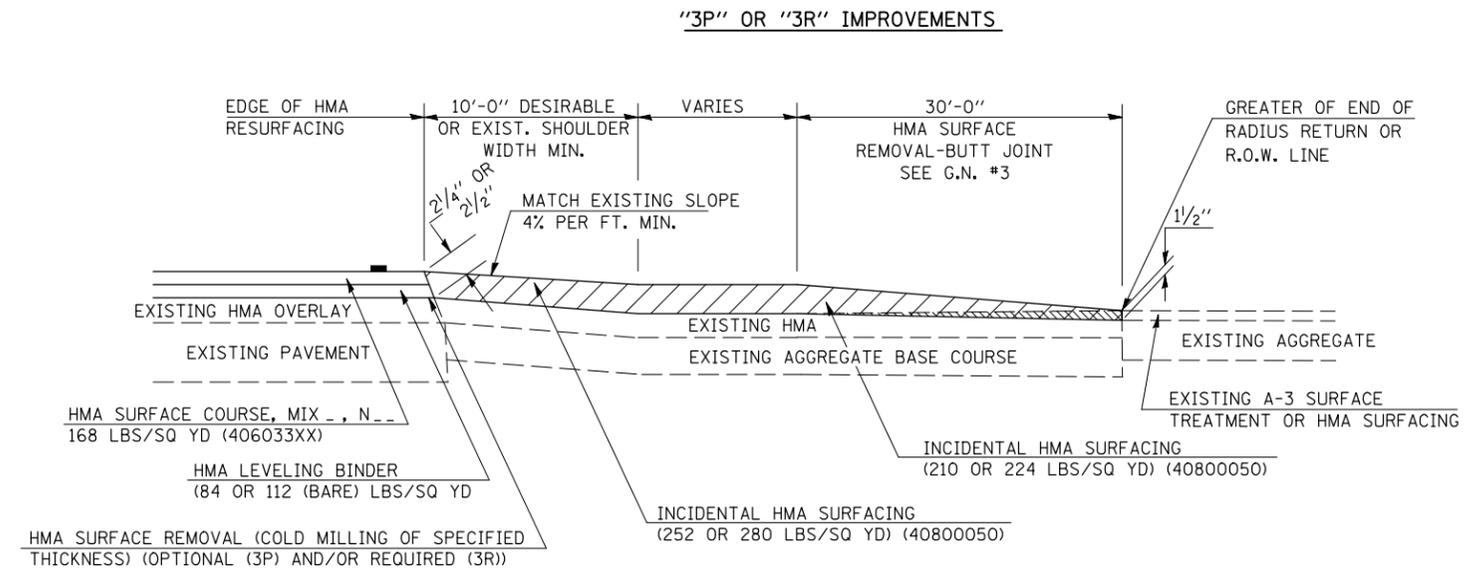
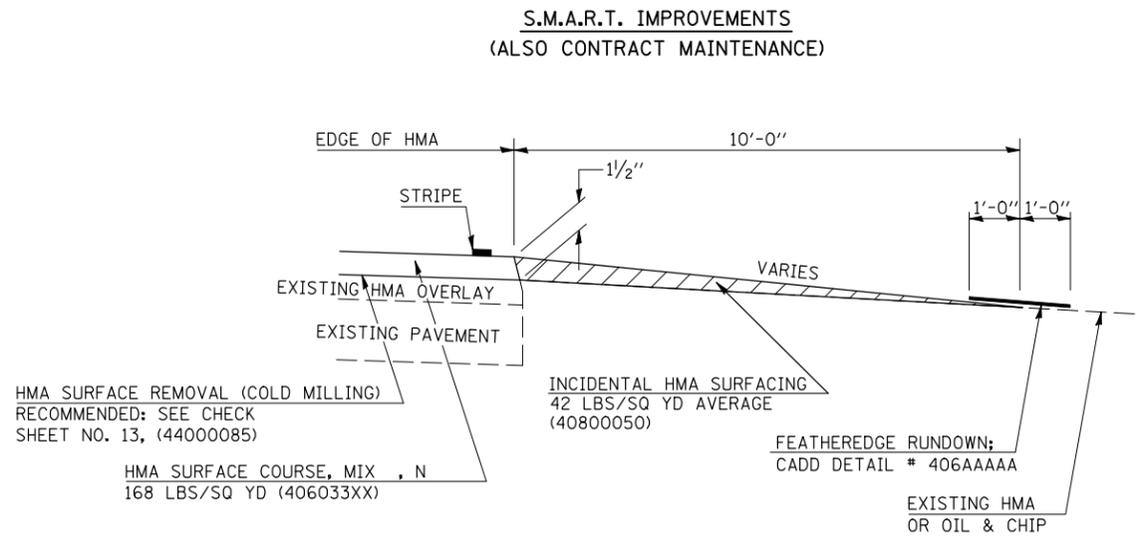
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED - 05/02/08 KJT
	PLOT DATE = 2/6/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

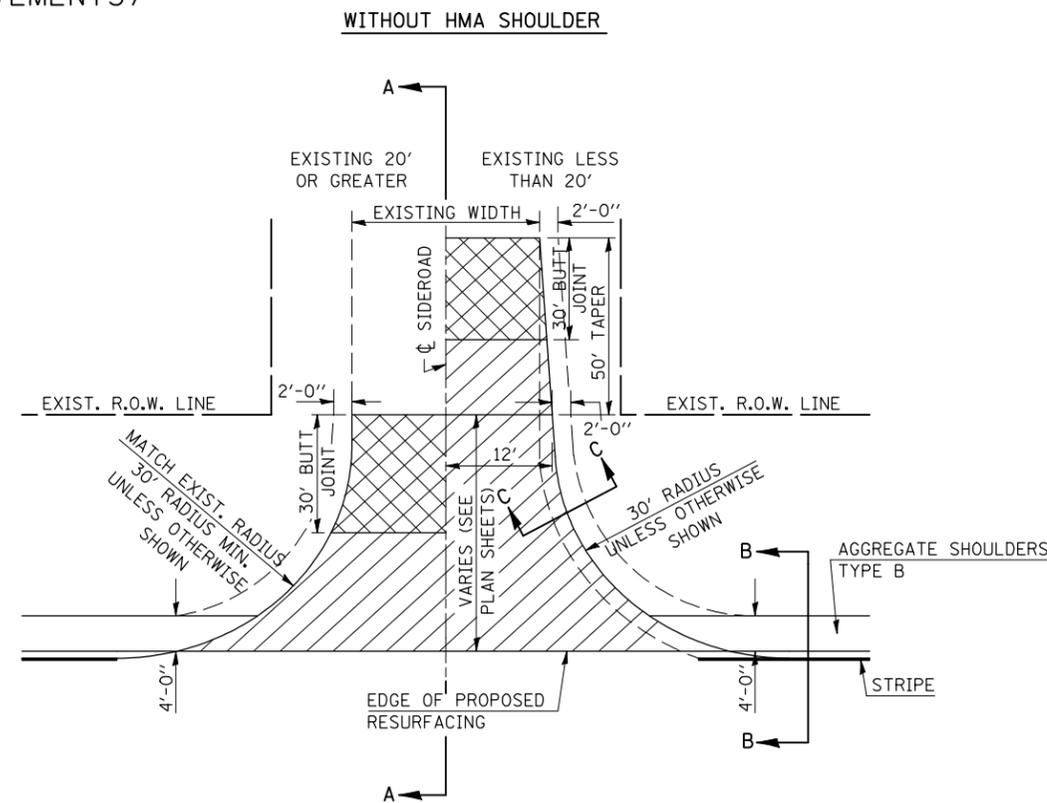
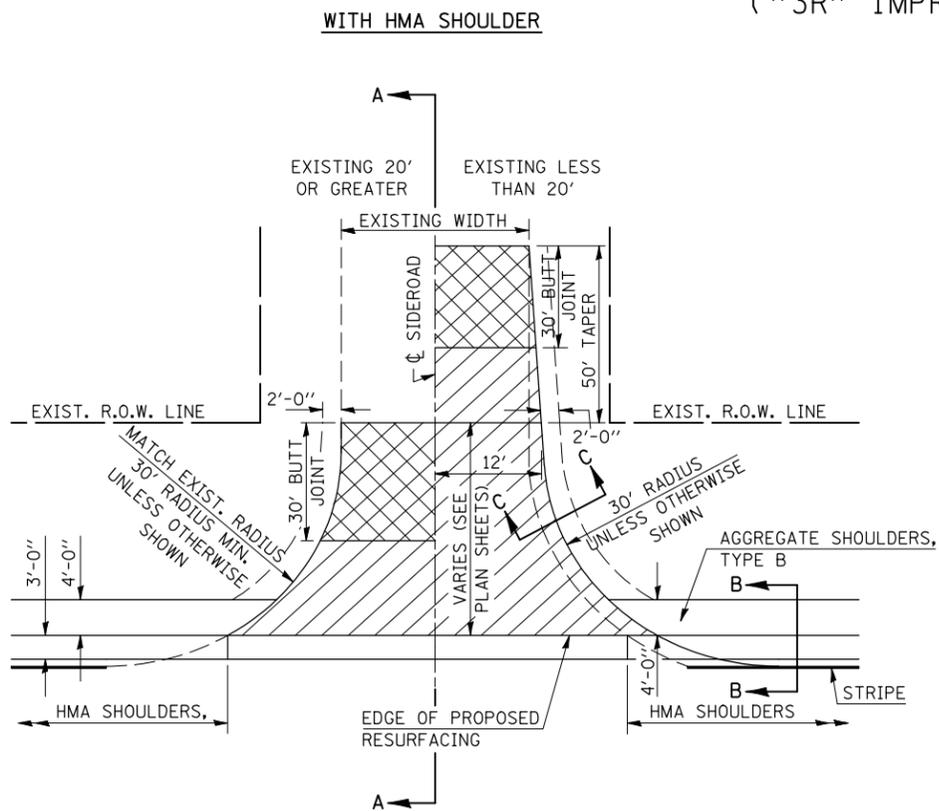
<b>PRIVATE AND COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)</b>			
SCALE: NA	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	67
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 90866	

# 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. 408000AA

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PLOT SCALE = 40.0000 ' / IN.		CHECKED -	REVISED -
PLOT DATE = 2/6/2009		DATE -	REVISED -

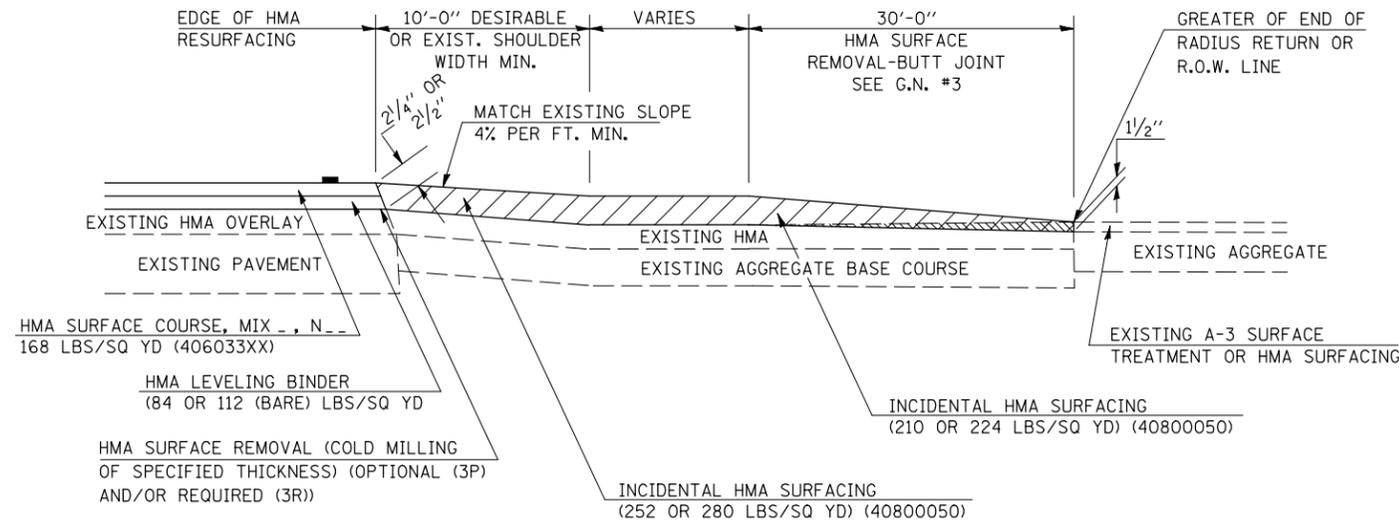
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEROADS & SIDESTREETS (RURAL)

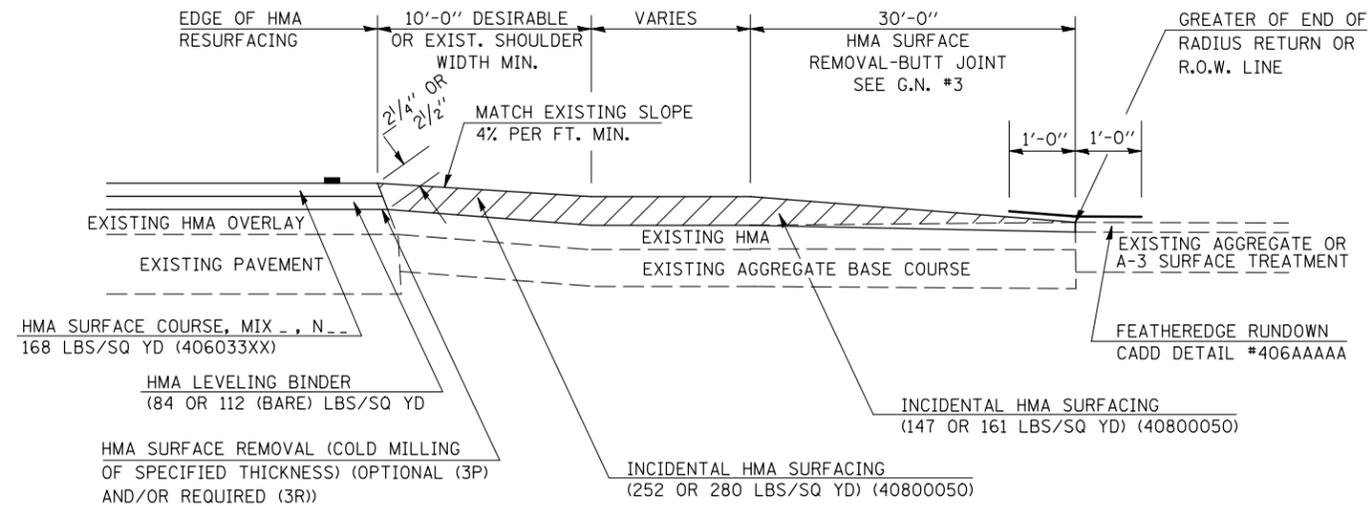
SCALE: NA SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	68
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90866	

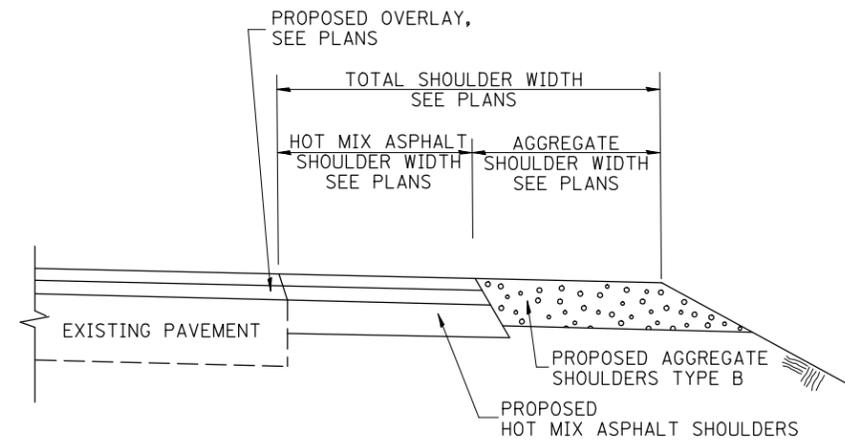
**SECTION A-A**  
EXISTING HMA OR PCC SIDEROAD (>400 ADT)



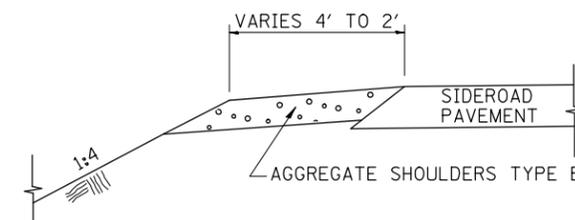
**SECTION A-A**  
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (<400 ADT)



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 runoff" 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 = ceorlockjd	DESIGNED -	REVISED - 12/13/06 TJB
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	PLOT DATE = 2/6/2009	DATE -	REVISED -

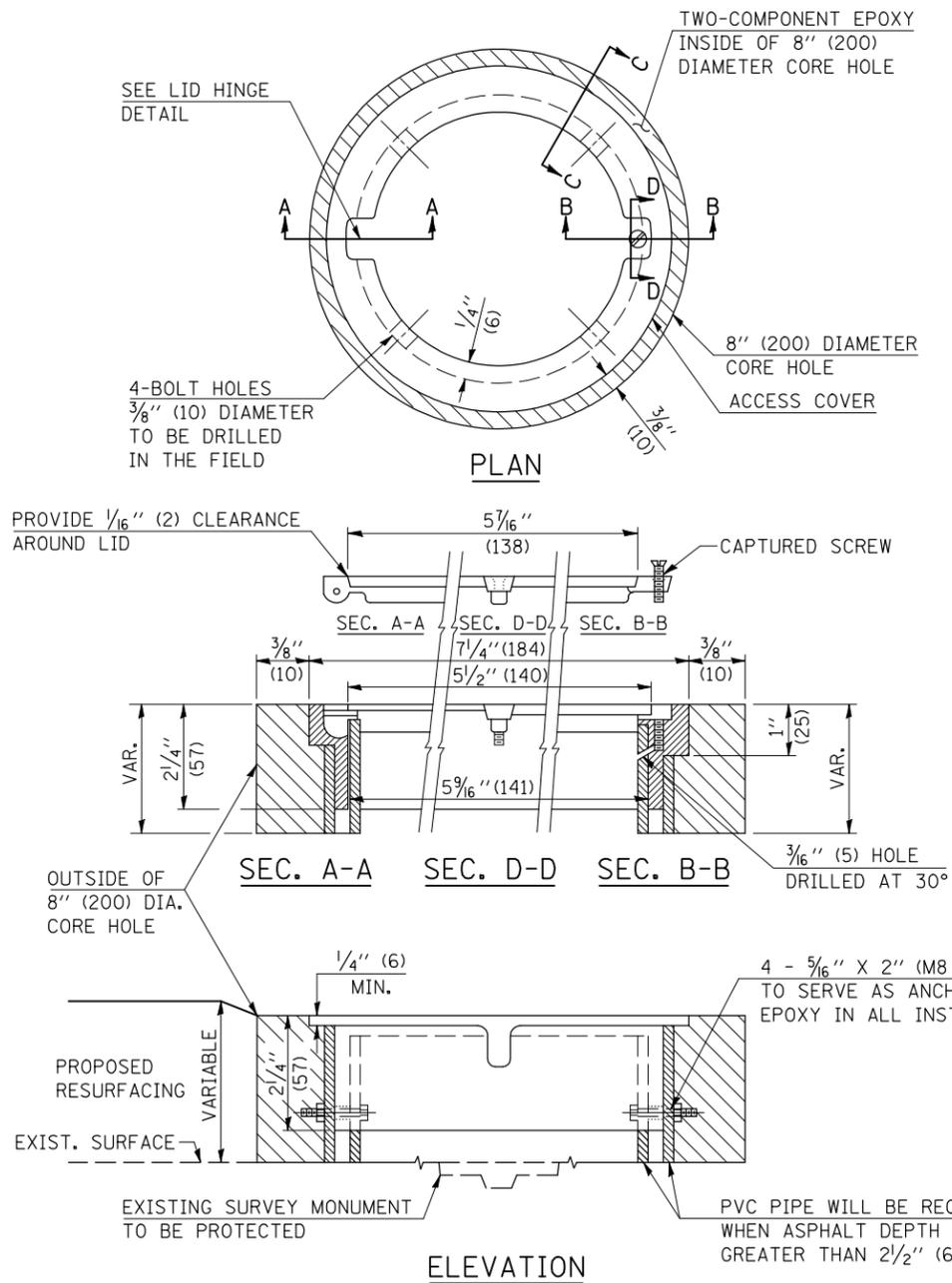
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SIDEROADS & SIDESTREETS (RURAL)**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	69
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 90866	

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

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 = ceorlockjd	DESIGNED -	REVISED - 11/06
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SURVEY MONUMENT COVER ASSEMBLY**

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

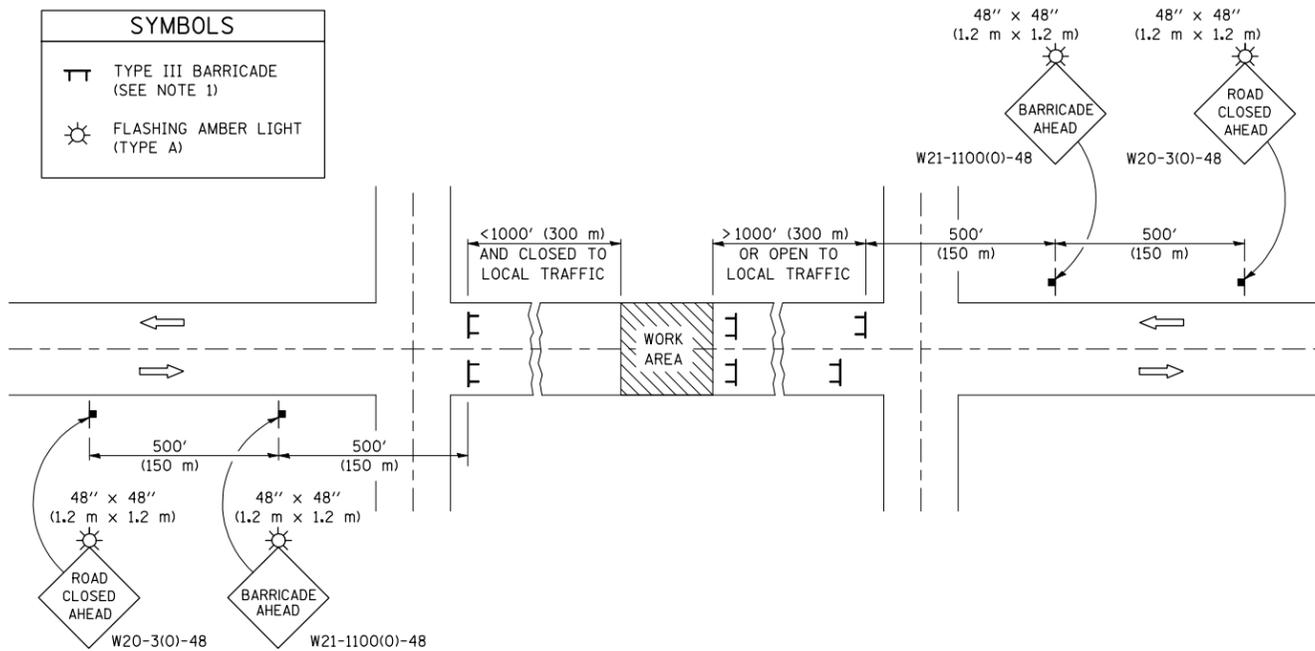
**DISTRICT 5 DETAIL NO. Z0070100**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	70
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90866	

# ROAD CLOSURE

# SIDEROAD / STREET CLOSURE

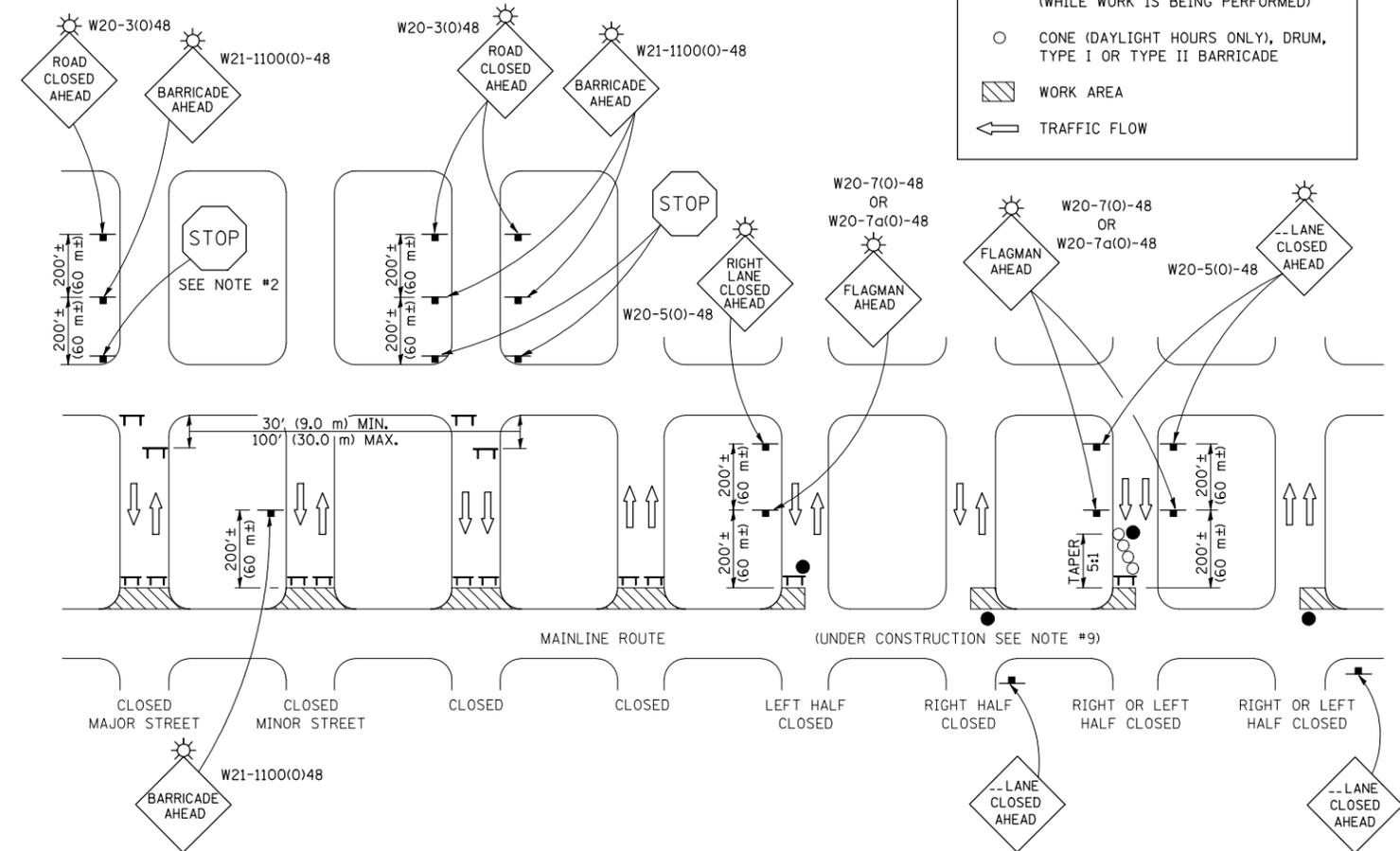
SYMBOLS	
	TYPE III BARRICADE (SEE NOTE 1)
	FLASHING AMBER LIGHT (TYPE A)



## 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 TYPE 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)
	CONES (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 = ceerlockjd	DESIGNED -	REVISED - 11/06
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE -	REVISED -

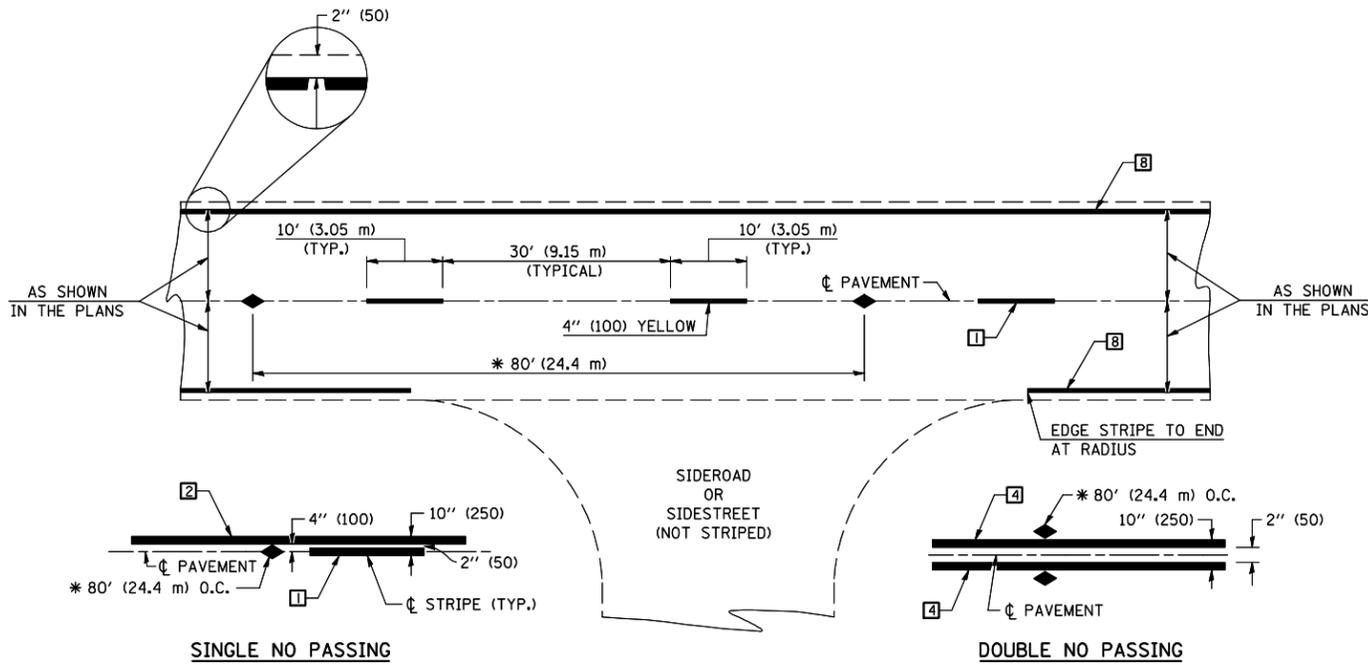
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

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

DISTRICT 5 DETAIL NO. 7020000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	71
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90866	



\* 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**

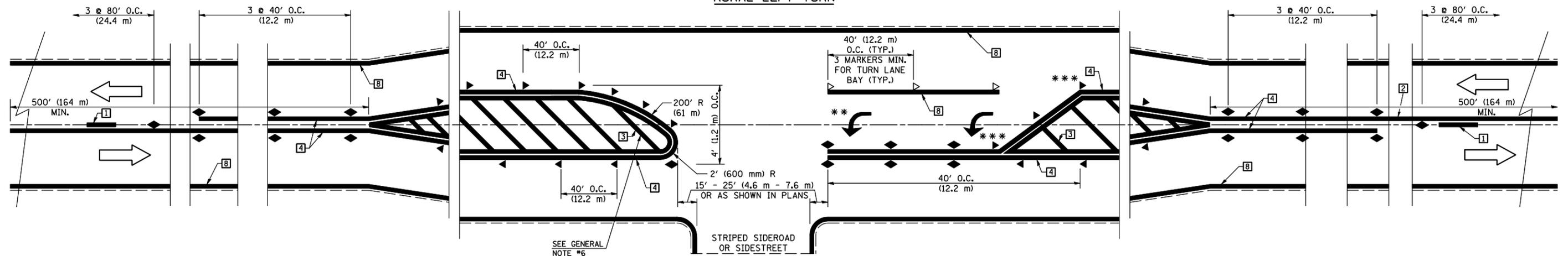
**TYPICAL PAVEMENT MARKING LEGEND**

- 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.

FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED - 11/06
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

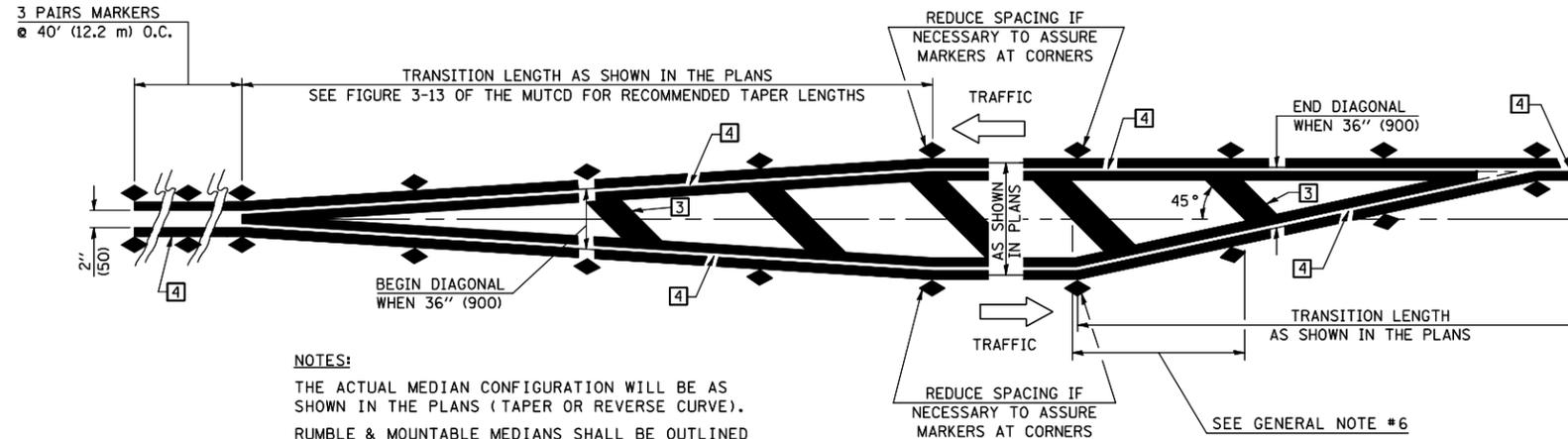
**PAVEMENT MARKING AND MARKERS  
(RURAL & URBAN APPLICATIONS)**

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

**DISTRICT 5 DETAIL NO. 7800AAA**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	72
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90866	



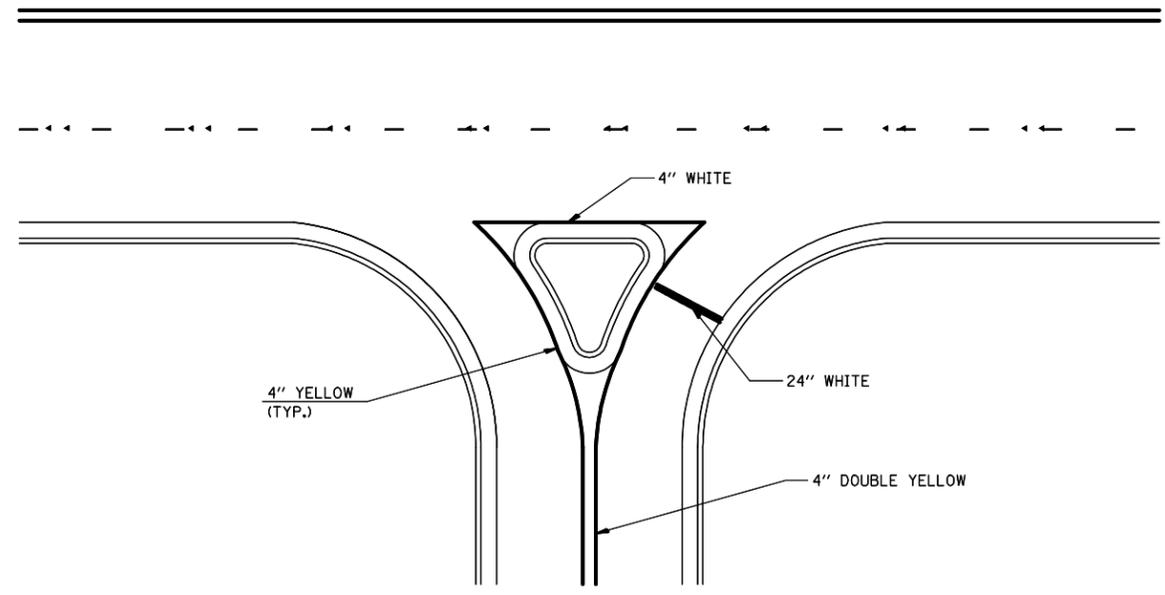


**NOTES:**  
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).  
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

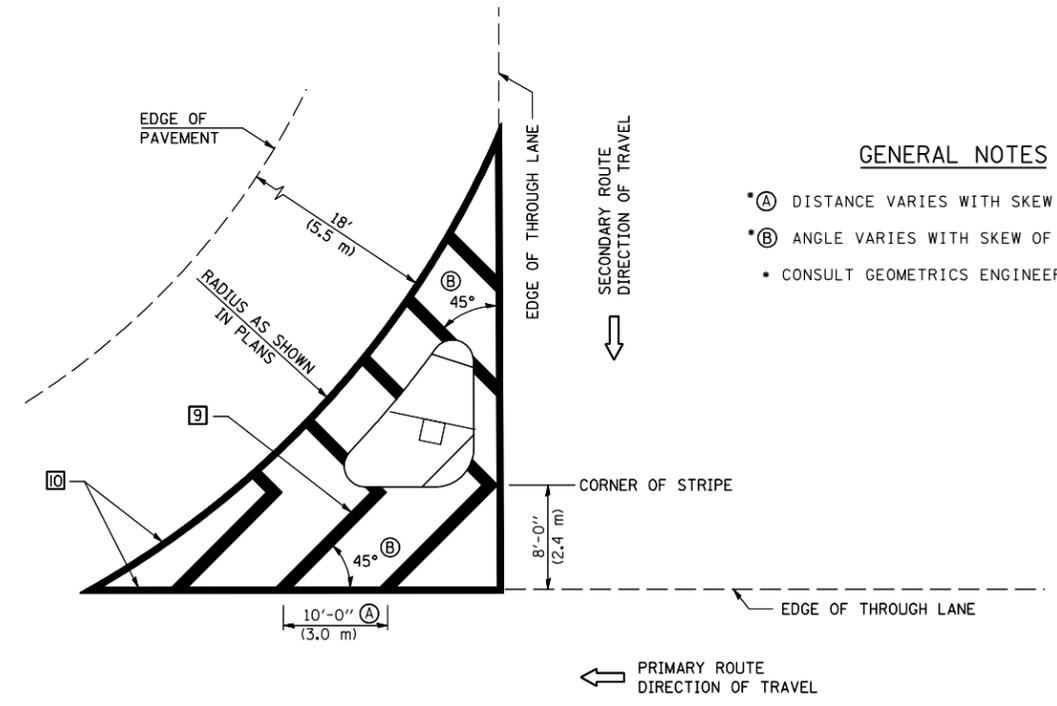
**TYPICAL MEDIAN TRANSITIONS**

**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**

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

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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

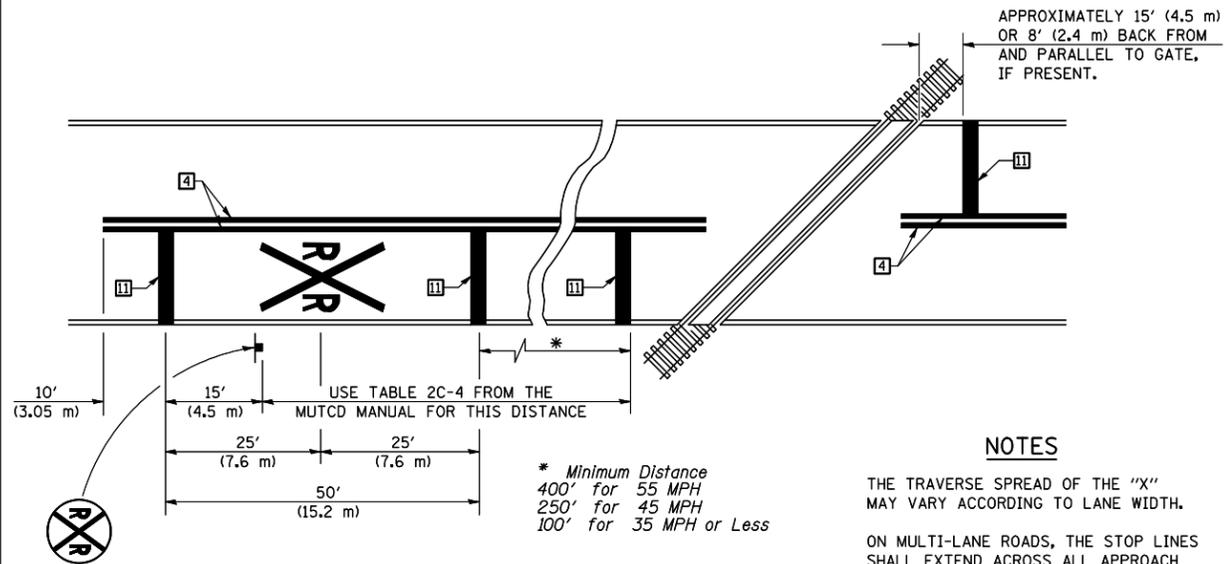
SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

**DISTRICT 5 DETAIL NO. 7800AAA**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	74
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90866	

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



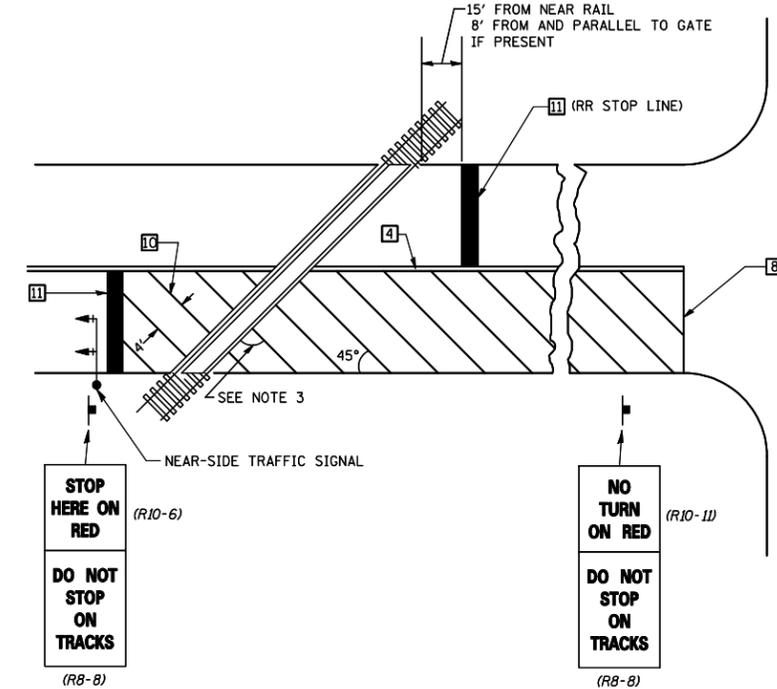
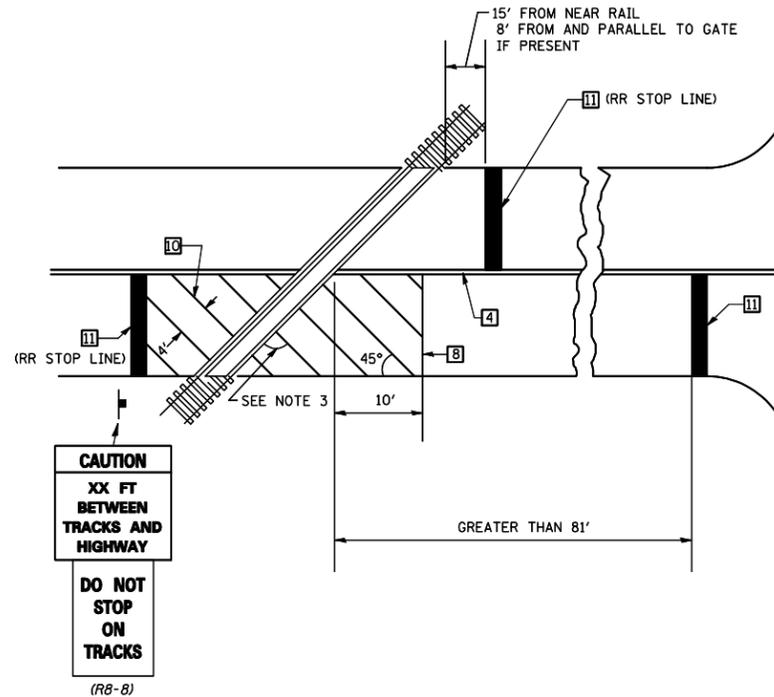
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

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 R XR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

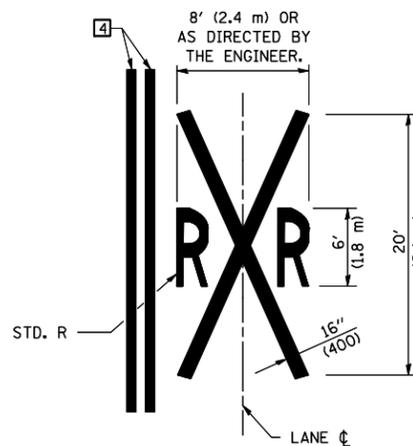
WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.



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.

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	PLOT DATE = 2/6/2009	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
697	46RS-8&1RS-2&46BDR	VERMILION	75	75
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 90866	