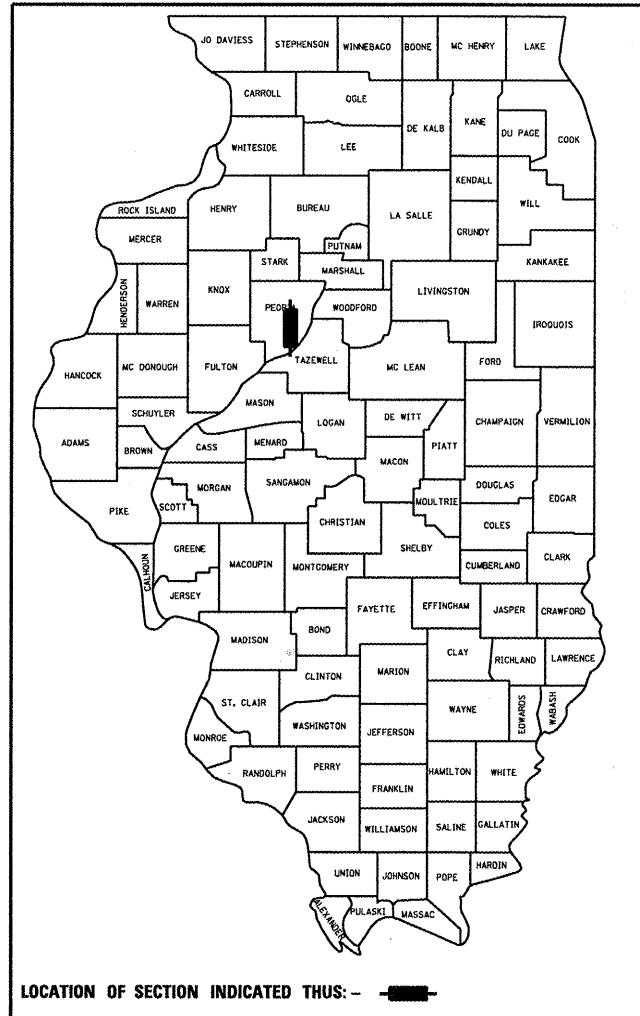


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	72-[(7)RS-2;(1,7-1)I]	PEORIA	30	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 68847		

D-94-005-09



LOCATION OF SECTION INDICATED THUS: - [shaded area] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP 318 (IL 6)
SECTION 72-[(7)RS-2;(1,7-1)I]
PEORIA COUNTY
C-94-003-09

FOR INDEX OF SHEETS, SEE SHEET NO. 2

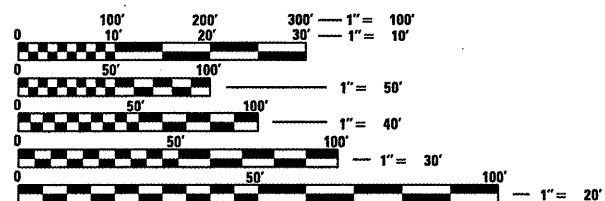
HIGHWAY STANDARDS

420001-07	635006-03	701411-06
420701-02	642001-01	701426-03
442001-04	701101-02	701446-01
442101-07	701106-02	701456
482006-03	701400-04	701901-01
630001-08	701401-05	780001-02
631011-06	701406-05	781001-03
631031-08		

DESCRIPTION OF PROJECT:

2" milling, 2" hot-mix asphalt surface course at structure locations from US 150 to the IL 6-I-474 interchange in Peoria County. 4 1/4" milling, 4 1/4" hot-mix asphalt on the shoulders on the ramps at the IL 6 / I-474 / I 74 interchange and on IL 6 and I-474 in the vicinity of the interchange. Project also includes guardrail upgrading, replacing raised reflective pavement markers, structure improvements and pavement patching.

IL 6 / I 474
ADT = 32,400(2008)
MU = 8.2%
SU = 3.2%



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

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

PROJECT ENGINEER: CHRISTOPHER MAUSHARD 309-671-3453
DESIGN ENGINEER: CHRISTINE L. EVERS 309-671-3477
CATALOG NO. 033877-00D
CONTRACT NO. 68847

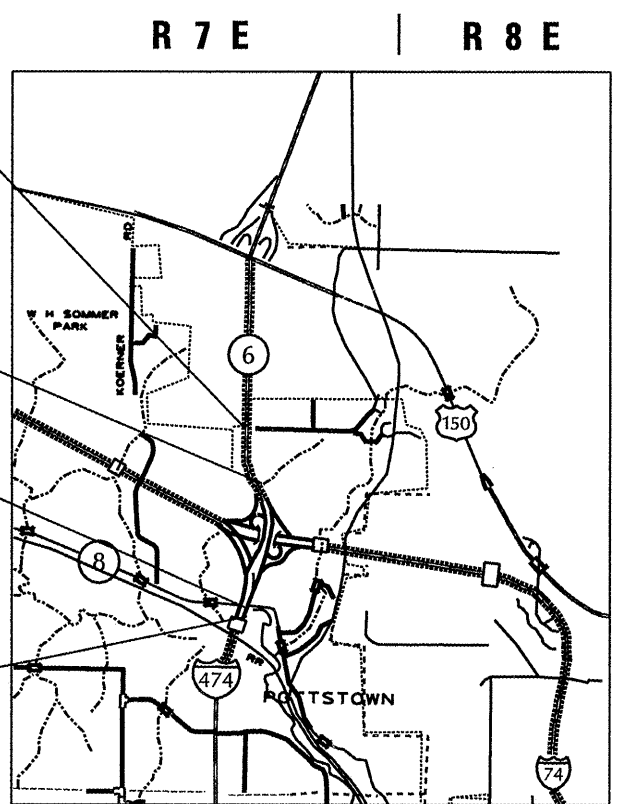
Project Begins
IL 6 - Sta. 97+07 NBL
IL 6 - Sta. 91+84 SBL

Station Equation:
Sta. 220+37.64 FAI 318 (Bk) =
Sta. 399+37.64 NB FAI 318 (Ah) =
Sta. 500+00.00 SB FAI 318 (Ah)

Station Equation:
Sta. 55+38.70 FAI 318 (Bk) =
Sta. 528+21.01 End of SB FAI 318 (Ah)

Station Equation:
Sta. 56+27.76 End of FAI 318 (Bk) =
Sta. 428+27.63 End NB FAI 318 (Ah)

Project Ends
Westbound I-474 Sta. 418+50
Eastbound I-474 Sta. 519+28



GROSS LENGTH = 13,134 FT. = 2.48 MILE
NET LENGTH = 13,134 FT. = 2.48 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 12/16/10 2010
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

January 29, 2010
[Signature]
acting ENGINEER OF DESIGN AND ENVIRONMENT

January 29, 2010
[Signature]
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

GENERAL NOTES

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS AND GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6-8	TYPICAL SECTIONS
9-16	SCHEDULE OF QUANTITIES
17	LINE DIAGRAM
18	BUTT JOINT DETAIL
19	EXPANSION JOINT REPAIR DETAIL
20	RAMP SHOULDER REPAIR DETAIL
21-30	DISTRICT STANDARDS

COMMITMENTS

There are no commitments for this project.

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- * BDE Form 2289 (Environmental Survey Request)
- * A location map showing the size limits and location of the use area
- * Signed property owner agreement form-D4 PI0100
- * Color photographs depicting the use area
- * Borrow Area Entry Agreement form-D4 PI0101

Please note that a minimum of two weeks shall be allowed for the District to obtain the required environmental clearances.

SAW CUT - 18" (450 mm) SHOULDER REMOVAL - IN-PLACE WHEEL SAW GRINDING PERMITTED

A full-depth saw cut shall be required at the joint between the pavement that is to be left in place and the existing shoulder that is to be removed. The Contractor may have the option of using a wheel saw to grind up the existing shoulder and leave the finely ground pieces on site under the new shoulder and on the fore slope, with the approval of the Engineer. Maximum size of pieces shall be no more than 3" (75 mm). Larger pieces shall be picked up/removed from the job site. No additional compensation will be allowed for variations in assumed thickness. This work shall not be paid for separately, but shall be included in the cost of the removal items.

BRIDGE OVERLAY NOTIFICATION

After placement of the bridge deck overlay, the Resident Engineer shall notify the District Bridge Maintenance Engineer of the "as constructed" milling depth and overlay thickness for updating the Illinois Highway Information System.

BRIDGE JOINTS

Contractor must ensure that no damage is done to any of the existing Bridge joints during removal and replacement of the HMA overlay. Any damage done to the joints is to be repaired at the contractor's expense to the satisfaction of the Engineer.

PAVEMENT STATIONING NUMBERS & PLACEMENT

The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 3/4 inch (20mm) wide, 5 inches (125 mm) high and 5/8 inch (15 mm) deep.

The pavement station numbers shall be installed as specified herein:

Interval - 200 feet (English stationing) or 100 meters (metric stationing)

Bottom of Numbers - 6 inches (150 mm) from the inside edge of the pavement marking

Location:

- * 2,3, & 5 Lane Pavements - right edge of pavement in direction of increasing stations
- * Multi-Lane Divided Roadways - outside edge of pavement in both directions
- * Ramps - along baseline edge of pavement

Position - stations shall be placed so they can be read from the adjacent shoulder

Format - English (Metric) pavement stations shall use this format "XXX (XX+X00)" where X represents the pavement station

This work will not be paid for separately, but will be considered included in the cost of the associated pavement and/or overlay pay items.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Mixture Use(s):	Polymer Surface Course, 2"	HMA Shoulders (surface lifts) 2"	HMA Shoulders (lower lifts) 2 1/4"
AC/PG:	SBS or SBR 76-22	PG 64-22	PG 64-22
RAP% (Max):**	10%	15%	25%
Design Air Voids:	4.0% @ N=90	3.0% @ N=50	4.0% @ N=50
Mixture Composition: (Gradation Mixture)	IL 9.5 or IL12.5	IL 9.5 or 12.5	IL 19.0
Friction Aggregate:	Mixture E	Mixture C	N.A.

** If the RAP option is selected, the asphalt cement grade may need to be adjusted; this will be determined by the Materials Engineer.

ENGINEERS FIELD OFFICE

Add the following sentence to the end of paragraph 670.02 (i) and 670.04 (e):
All of the telephone lines provided shall have unpublished numbers.

BUTT JOINT CUTTING TIME RESTRICTION

Butt joints shall not be milled more than three (3) days prior to placement of the bituminous surface course.

EXISTING WATERPROOFING MEMBRANE SYSTEM

The contractor must ensure that no damage is done to the existing Waterproofing Membrane System to remain while removing the existing HMA overlay on SN.s 072-0106, 072-0107, 072-0108, 072-0109 and 072-0111. Any damage to the waterproofing shall be repaired at the contractor's expense to the satisfaction of the Engineer.

FILE NAME *	USER NAME * oversal	DESIGNED -	REVISED -
174.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS & GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	72-(7)RS-2(1,7-11)	PEORIA	30	2
				CONTRACT NO. 68847
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				Peoria County
				100% State
				ROADWAY
				I000
				URBAN FAP 318
40600215	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	TON	19	19
40600300	AGGREGATE (PRIME COAT)	TON	20	20
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2539	2539
40600990	TEMPORARY RAMP	SQ YD	488	488
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	219	219
40603570	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	913	913
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	3533	3533
44000166	HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/4"	SQ YD	36197	36197
44000915	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	5257.5	5257.5
44001005	HOT-MIX ASPHALT SURFACE REMOVAL	SQ YD	1226.1	1226.1
44200549	CLASS A PATCHES, TYPE I, 10 INCH	SQ YD	62	62
44200553	CLASS A PATCHES, TYPE II, 10 INCH	SQ YD	679	679
44200557	CLASS A PATCHES, TYPE III, 10 INCH	SQ YD	503	503
44200559	CLASS A PATCHES, TYPE IV, 10 INCH	SQ YD	2251	2251
44201007	CLASS B PATCHES, TYPE II, 13 INCH	SQ YD	316	316
44201013	CLASS B PATCHES, TYPE IV, 13 INCH	SQ YD	53	53
44213000	PATCHING REINFORCEMENT	SQ YD	3495	3495
44213100	PAVEMENT FABRIC	SQ YD	370	370
44213200	SAW CUTS	FOOT	15455	15455
45000120	RELIEF JOINT 3"	FOOT	258	258
48203014	HOT-MIX ASPHALT SHOULDERS, 4 1/4"	SQ YD	36197	36197
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	1226.1	1226.1
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1775.5	1775.5

* SPECIALTY ITEM

SUMMARY OF QUANTITIES

CONSTR. CODE
Peoria County
100% State
ROADWAY
1000
URBAN

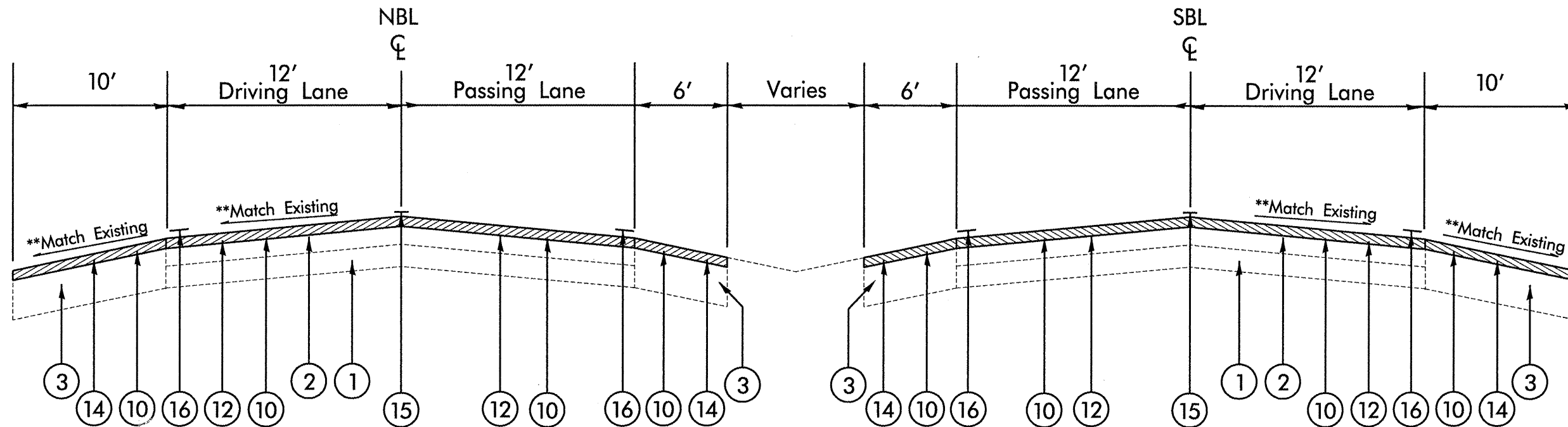
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	6	6
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1(SPECIAL)TANGENT	EACH	7	7
63200305	STEEL PLATE BEAM GUARDRAIL REMOVAL	FOOT	1327	1327
64200105	SHOULDER RUMBLE STRIP	FOOT	31365	31365
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3
67100100	MOBILIZATION	L SUM	1	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	10	10
70100430	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	EACH	1	1
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	730	730
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	4361	4361
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	546	546
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	127	127
* 78004230	PREFORMED PLASTIC PAVEMENT MARKING, ^{TYPE B} -INLAID-LINE 6"	FOOT	546	546
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	20	20
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	18	18
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	32	32
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	7	7
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	38	38
* X0301512	GUARDRAIL AGGREGATE EROSION CONTROL	TON	271	271
X2503100	MOWING	UNIT	248	248

* SPECIALTY ITEM

FILE NAME = 174.dgn	USER NAME = everscl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			318	72-(7RS-2)(1.7-111)	PEORIA	30	4	
	PLOT SCALE = 400.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 68847					
	PLOT DATE = 12/15/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET NO. OF SHEETS		STA. TO STA.		

SUMMARY OF QUANTITIES				CONSTR. CODE	
				Peoria County 100% State ROADWAY	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	I000	URBAN
X7015005	CHANGABLE MESSAGE SIGN	CAL DA	24	24	
X7800610	URETHANE PAVEMENT MARKING - LINE 4"	FOOT	4361	4361	
XX007725	CRACK FILLING, SPECIAL	FOOT	258	258	
Z0017202	DOWEL BARS 1 1/2"	EACH	263	263	
Z0075300	TIE BARS	EACH	1408	1408	

* SPECIALTY ITEM



Typical Section
 IL Route 6
 Northbound
 Sta. 167+33 to 168+33
 Sta. 169+71 to Sta. 170+71
 Sta. 213+63 to 214+62
 Sta. 216+26 to 217+68
 Sta. 219+29 to 220+30

Southbound
 Sta. 167+39 to 168+39
 Sta. 169+65 to 170+65
 Sta. 213+32 to 214+56
 Sta. 216+32 to 217+65
 Sta. 219+32 to 220+34

LEGEND

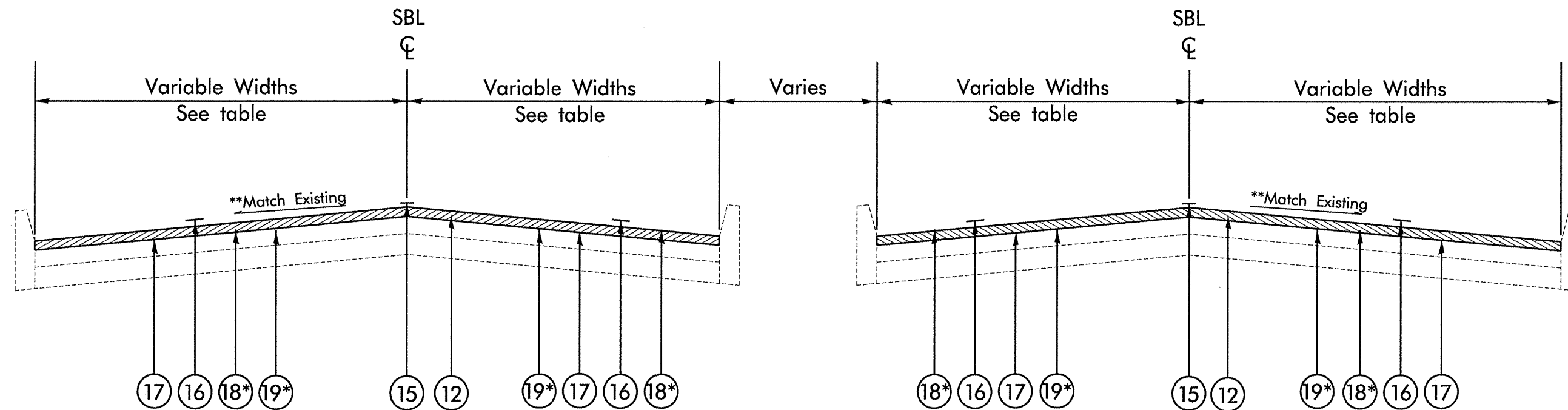
1. Existing PCC Pavement
2. Existing Hot-Mix Asphalt Overlay
3. Existing BAM Shoulder with Hot-Mix Asphalt Overlay
10. Proposed Hot-Mix Asphalt Surface Removal 2"
11. Proposed Hot-Mix Asphalt Surface Removal 4 1/4"
12. Proposed Hot-Mix Asphalt Surface Course, Mix "E", N90 2"
13. Proposed Hot-Mix Asphalt Shoulders 4 1/4"
14. Proposed Hot-Mix Asphalt Shoulders 2", Mix "C", N50
15. Proposed Preformed Plastic Pavement Marking, Type B-Inlaid, 6"
16. Proposed Urethane Pavement Marking, 4"
17. Proposed Hot Mix Asphalt Removal (Deck)
18. Proposed Water Proofing Membrane System
19. Proposed Hot-Mix Asphalt Removal Complete
20. Proposed Aggregate Shoulders, Type B

Note:
 HOT-MIX ASPHALT SURFACE REMOVAL 2" on the shoulders shall be done in accordance with Article 440 of the Standard Specifications.

* At shoulder locations constructed of PCC, this area will be measured and paid for as HOT-MIX ASPHALT SURFACE REMOVAL, 2".

**Match existing slope for HOT-MIX ASPHALT SURFACE REMOVAL, 2".

FILE NAME = 174.dgn	USER NAME = everacl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE. 318	SECTION 72-(7)RS-2(1,7-1)1	COUNTY PEORIA	TOTAL SHEETS 30	SHEET NO. 6
	PLOT SCALE = 400.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 68847				
	PLOT DATE = 12/14/2009	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



Typical Section
Structure Locations

- Northbound
 *Sta. 168+33 to 169+71-SN 072-0138
 Sta. 214+62 to 216+26-SN 072-0107
 Sta. 217+68 to 219+29-SN 072-0109
- Southbound
 *Sta. 168+39 to 169+65-SN 072-0139
 Sta. 214+56 to 216+32-SN 072-0106
 Sta. 217+65 to 219+32-SN 072-0108
 Sta. 511+56 to 514+55 - SN 072-0111

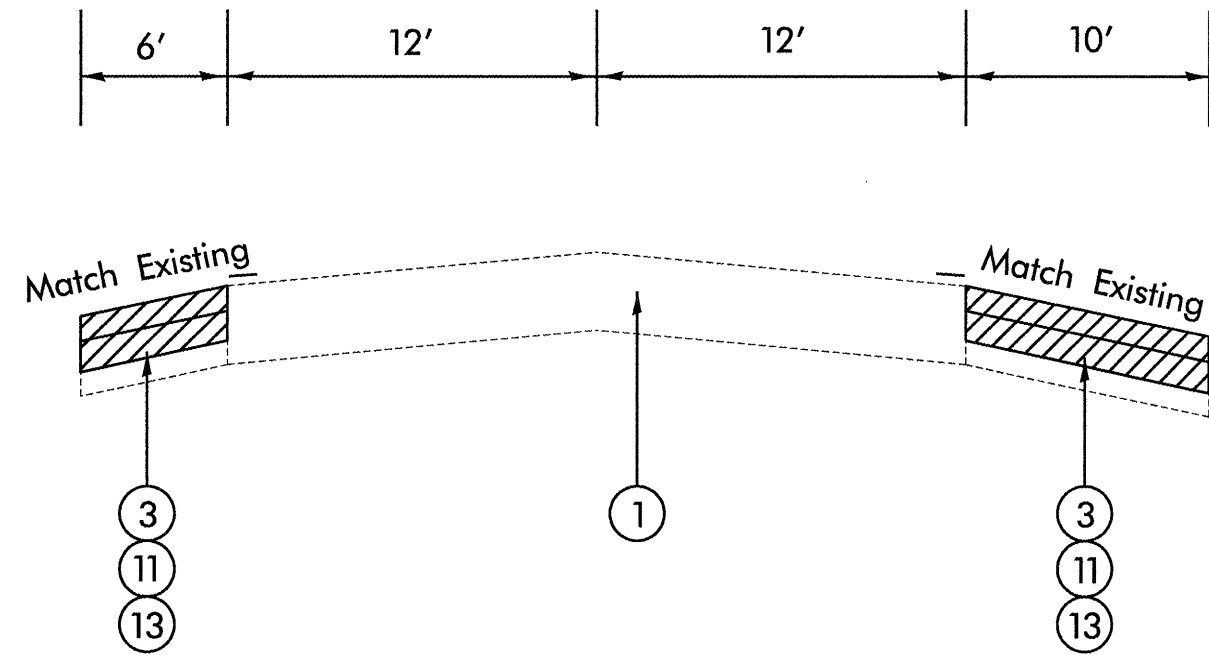
LEGEND

1. Existing PCC Pavement
2. Existing Hot-Mix Asphalt Overlay
3. Existing BAM Shoulder with Hot-Mix Asphalt Overlay
10. Proposed Hot-Mix Asphalt Surface Removal 2"
11. Proposed Hot-Mix Asphalt Surface Removal 4 1/4"
12. Proposed Hot-Mix Asphalt Surface Course, Mix "E", N90 2"
13. Proposed Hot-Mix Asphalt Shoulders 4 1/4"
14. Proposed Hot-Mix Asphalt Shoulders 2", Mix "C", N50
15. Proposed Preformed Plastic Pavement Marking, Type B-Inlaid, 6"
16. Proposed Urethane Pavement Marking, 4"
17. Proposed Hot Mix Asphalt Removal (Deck)
18. Proposed Water Proofing Membrane System
19. Proposed Hot-Mix Asphalt Removal Complete
20. Proposed Aggregate Shoulders, Type B

Note:
 HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90 depth at the structures shall match existing expansion joint grades (nominal 1 1/2").

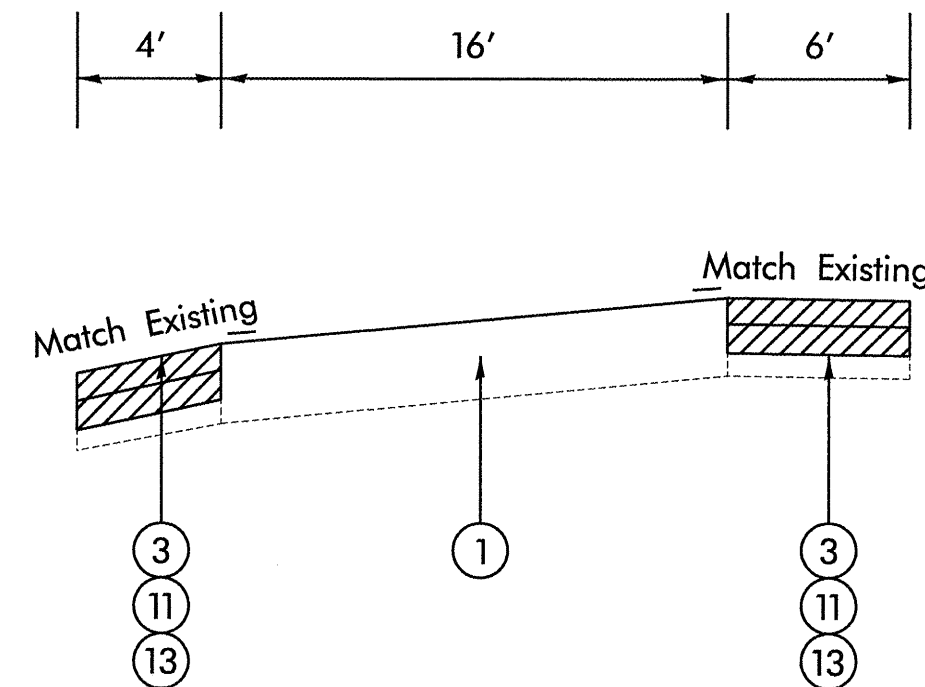
*HOT-MIX ASPHALT SURFACE REMOVAL COMPLETE and WATERPROOFING MEMBRANE SYSTEM will be done on structures 072-0138 & 072-0139.

FILE NAME = 174.dgn	USER NAME = everocl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.R. RTE. 318	SECTION 72-((17)RS-2;(1,7-11))	COUNTY PEORIA	TOTAL SHEETS 30	SHEET NO. 7		
	PLOT SCALE = 400.0000' / IN.	DRAWN -	REVISED -			SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 68847				
	PLOT DATE = 12/10/2009	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT						
		DATE -	REVISED -									



Typical Section – Shoulder Repair (Mainline)

(See schedule for locations)



Typical Section – Shoulder Repair (Ramps)

(See schedule for locations)

LEGEND

1. Existing PCC Pavement
2. Existing Hot-Mix Asphalt Overlay
3. Existing BAM Shoulder with Hot-Mix Asphalt Overlay

10. Proposed Hot-Mix Asphalt Surface Removal 2"*
11. Proposed Hot-Mix Asphalt Surface Removal 4 1/4"
12. Proposed Hot-Mix Asphalt Surface Course, Mix "E", N90 2"
13. Proposed Hot-Mix Asphalt Shoulders 4 1/4"
14. Proposed Hot-Mix Asphalt Shoulders 2", Mix "C", N50
15. Proposed Preformed Plastic Pavement Marking, Type B-Inlaid, 6"
16. Proposed Urethane Pavement Marking, 4"
17. Proposed Hot Mix Asphalt Removal (Deck)
18. Proposed Water Proofing Membrane System
19. Proposed Hot-Mix Asphalt Removal Complete
20. Proposed Aggregate Shoulders, Type B

FILE NAME = 174.dgn	USER NAME = eversal	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -
PLOT SCALE = 400.0000' / IN.			
PLOT DATE = 12/10/2009			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.R. RTE. 318	SECTION 72-(17)RS-2+(1,7-11)1	COUNTY PEORIA	TOTAL SHEETS 30	SHEET NO. 8
CONTRACT NO. 68847				
ILLINOIS FED. AID PROJECT				

Resurfacing Table										
Location	Length	Width	Area	HMA Surface Removal Butt Joint	HMA Surface Removal 2"	Temporary Ramp	Polymerized Bituminous Materials (Prime Coat)	Aggregate Materials (Prime Coat)	Polymerized HMA Surf Cse Mix E, N90 2"***	
	Feet	Feet	Sq Yd	Sq Yd	Sq Yd	Sq Yd	Ton	Ton	Ton	
Southbound										
213+32.00 TO 213+42.00	10	42.5	47.22	47.22		31.5	0.02	0.1	5.29	
213+42.00 TO 214+46.31	104.31	42.5	492.58		492.58		0.2	1	55.17	
214+46.31 TO 214+56.31	10	42.5	47.22	47.22		31.5	0.02	0.1	5.29	
Structure 072-0106	174	55	1063.33		HMA Removal (Deck)		0.43	2.1	89.32	
216+32.00 TO 216+42.00	10	41	45.56	45.56		30.4	0.02	0.1	5.1	
216+42.00 TO 217+55.00	113	41	514.78	514.78			0.21	1	57.66	
217+55.00 TO 217+65.00	10	41	45.56	45.56		30.4	0.02	0.1	5.1	
Structure 072-0108	167	53	983.44		HMA Removal (Deck)		0.39	2	82.61	
219+32.00 TO 219+42.00	10	38	42.22	42.22		28.1	0.02	0.1	4.73	
219+42.00 TO 220+24.00	82	38	346.22		346.22		0.14	0.7	38.78	
220+24.00 TO 220+34.00	10	38	42.22	42.22		28.1	0.02	0.1	4.73	
I 474 Structure										
Structure 072-0111	299	42	299		HMA Removal (Deck)		0.12	0.6	25.12	
Subtotal Shoulder Locations**					776.9	1181.2	15.3			
Grand total					2539	3533	488	19	20	913

** See sheets 11 & 12 for shoulder quantities

*** Polymerized Hot-Mix Asphalt Surface Course depth at the structures shall match existing expansion joint grades (nominal 1 1/2").

PRIME COAT APPLICATION RATES		
SURFACE TYPE	BITUMINOUS PRIME COAT	AGGREGATE PRIME COAT
	(GAL/SQ YD)	(LB/SQ YD)
ON COLD MILLED SURFACE	0.1	4
EXISTING PAVEMENT	0.05	4
FOG COAT ON NEW BINDER	0.03	2
0.004 TONS PER GALLON FOR BITUMINOUS PRIME COAT		

BITUMINOUS & AGGREGATE CONVERSION FACTORS	
SURFACE TYPE	
BITUMINOUS SURFACE COURSE	112 LB / SQ YD / IN
ALL OTHER BITUMINOUS	112 LB / SQ YD / IN
AGGREGATE SHOULDERS	2.05 TONS / CU YD

Shoulder Resurfacing Table										
Location	Length	Width	Area	HMA Surface Removal	HMA Surface Removal	Polymerized Bituminous Materials	HMA Surf Cse	Shoulder Rumble Strips		
				Butt Joint	2"	(Prime Coat)	Mix C, N50 2"			
	Feet	Feet	Sq Yd	Sq Yd	Sq Yd	Ton	Ton		Foot	
NB IL 6										
97+07.00 TO 167+33.00	7026								14052	
SB IL 6										
91+84.00 TO 167+39.00	7555								15110	
Structure Locations										
Charter Oak Structures										
167+33.00 TO 167+43.00	10	16	17.78	17.78		0.01	1.99		20	
167+43.00 TO 168+23.00	80	16	142.22		142.22	0.06	15.93		160	
168+23.00 TO 168+33.00	10	16	17.78	17.78		0.01	1.99		20	
Structure 072-0138										
169+71.00 TO 169+81.00	10	16	17.78	17.78		0.01	1.99		20	
169+81.00 TO 170+61.00	80	16	142.22		142.22	0.06	15.93		160	
170+61.00 TO 170+71.00	10	16	17.78	17.78		0.01	1.99		20	
Structure 072-0139										
167+39.00 TO 167+49.00	10	16	17.78	17.78		0.01	1.99		20	
167+49.00 TO 168+29.00	80	16	142.22		142.22	0.06	15.93		160	
168+29.00 TO 168+39.00	10	16	17.78	17.78		0.01	1.99		20	
Structure 072-0139										
169+65.00 TO 169+75.00	10	16	17.78	17.78		0.01	1.99		20	
169+75.00 TO 170+55.00	80	16	142.22		142.22	0.06	15.93		160	
170+55.00 TO 170+65.00	10	16	17.78	17.78		0.01	1.99		20	
I 74 / IL 6 Structures										
Northbound										
213+63.00 TO 213+73.00	10	16	17.78	17.78		0.01	1.99		20	
213+73.00 TO 214+52.13	79	16	140.68		140.68	0.06	15.76		158	
214+52.31 TO 214+62.31	10	16	17.78	17.78		0.01	1.99		20	
Structure 072-0107										
216+26.31 TO 216+36.31	10	16	17.78	17.78		0.01	1.99		20	
216+36.00 TO 217+58.00	122	16	216.89	216.89		0.09	24.29		244	
217+58.00 TO 217+68.00	10	16	17.78	17.78		0.01	1.99		20	
Structure 072-0109										
219+29.00 TO 219+39.00	10	16	17.78	17.78		0.01	1.99		20	
219+39.00 TO 220+20.00	81	16	144		144	0.06	16.13		162	
220+20.00 TO 220+30.00	10	16	17.78	17.78		0.01	1.99		20	

PRIME COAT APPLICATION RATES		
SURFACE TYPE	BITUMINOUS PRIME COAT (GAL/SQ YD)	AGGREGATE PRIME COAT (LB/SQ YD)
ON COLD MILLED SURFACE	0.1	4
EXISTING PAVEMENT	0.05	4
FOG COAT ON NEW BINDER	0.03	2
0.004 TONS PER GALLON FOR BITUMINOUS PRIME COAT		

BITUMINOUS & AGGREGATE CONVERSION FACTORS	
SURFACE TYPE	
BITUMINOUS SURFACE COURSE	112 LB / SQ YD / IN
ALL OTHER BITUMINOUS	112 LB / SQ YD / IN
AGGREGATE SHOULDERS	2.05 TONS / CU YD

Shoulder Resurfacing Table									
Location	Length	Width	Area	HMA Surface Removal Butt Joint	HMA Surface Removal 2"	Polymerized Bituminous Materials (Prime Coat)	HMA Surf Cse Mix C, N50 2"	Shoulder Rumble Strips	
				Sq Yd	Sq Yd	Sq Yd	Ton		Ton
Southbound									
213+32.00 TO 213+42.00	10	16	17.78	17.78		0.01	1.99	20	
213+42.00 TO 214+46.31	104.31	16	185.44		185.44	0.07	20.77	209	
214+46.31 TO 214+56.31	10	16	17.78	17.78		0.01	1.99	20	
Structure 072-0106	174	55	1063.33		HMA Removal (Deck)				
216+32.00 TO 216+42.00	10	16	17.78	17.78		0.01	1.99	20	
216+42.00 TO 217+55.00	113	16	200.89	200.89		0.08	22.5	226	
217+55.00 TO 217+65.00	10	16	17.78	17.78		0.01	1.99	20	
Structure 072-0108	167	53	983.44		HMA Removal (Deck)				
219+32.00 TO 219+42.00	10	16	17.78	17.78		0.01	1.99	20	
219+42.00 TO 220+22.00	80	16	142.22		142.22	0.06	15.93	160	
220+22.00 TO 220+34.00	12	16	21.33	21.33		0.01	2.39	24	
I474 Structure									
Structure 072-0111	299	42	1395.33		HMA Removal (Deck)				
Shoulder repairs						14.5			
Total				776.93	1181.22	15.3	219.3	31365	

PRIME COAT APPLICATION RATES			
SURFACE TYPE	BITUMINOUS PRIME COAT (GAL/SQ YD)		AGGREGATE PRIME COAT (LB/SQ YD)
	ON COLD MILLED SURFACE	0.1	
EXISTING PAVEMENT	0.05		4
FOG COAT ON NEW BINDER	0.03		2
0.004 TONS PER GALLON FOR BITUMINOUS PRIME COAT			

BITUMINOUS & AGGREGATE CONVERSION FACTORS	
SURFACE TYPE	
BITUMINOUS SURFACE COURSE	112 LB / SQ YD / IN
ALL OTHER BITUMINOUS	112 LB / SQ YD / IN
AGGREGATE SHOULDERS	2.05 TONS / CU YD

SHOULDER REPAIR					
LOCATION	LENGTH	WIDTH	AREA	HOT-MIX ASPHALT SURFACE REMOVAL 4 1/4"	HOT-MIX ASPHALT SHOULDERS 4 1/4"
	FOOT	FOOT	SQ YD	SQ YD	SQ YD
EASTBOUND 474 500+00 to 519+28	1928	16	3427.6	3427.6	3427.6
WESTBOUND 474 399+37 to 418+50	1913	16	3400.9	3400.9	3400.9
NORTHBOUND IL 6 169+55 to 220+37	5082	16	9034.7	9034.7	9034.7
SOUTHBOUND IL 6 180+48 to 220+37	3989	16	7091.6	7091.6	7091.6
RAMP C 1+16 to 12+18	1102	10	1224.4	1224.4	1224.4
RAMP D 6+85 to 21+00	1415	10	1572.2	1572.2	1572.2
RAMP E 3+10 to 18+25	1515	10	1683.3	1683.3	1683.3
RAMP F 7+07 to 33+00	2593	10	2881.1	2881.1	2881.1
RAMP G 1+00 to 26+81	2581	10	2867.8	2867.8	2867.8
RAMP H 1+00 to 28+12	2712	10	3013.3	3013.3	3013.3
TOTALS				36196.9	36196.9

RELIEF JOINT	
LOCATION	FOOT
Northbound	
Sta. 167+00	24
Sta. 171+01	24
Sta. 213+33.08	35
Sta. 399+55.82	43
Southbound	
Sta. 167+10	24
Sta. 170+95	24
Sta. 213+05.12	43
Sta. 500+39.39	41
TOTAL	258

CRACK FILLING, SPECIAL	
LOCATION	FOOT
Northbound	
Sta. 167+33	24
Sta. 170+71	24
Sta. 213+63	35
Sta. 220+30	43
Southbound	
Sta. 167+39	24
Sta. 170+65	24
Sta. 213+32	43
Sta. 220+32	41
TOTAL	258

FILE NAME = 174.dgn	USER NAME = eversol	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	72-((7)RS-2(1,7-1)1)	PEORIA	30	13
CONTRACT NO. 68847			ILLINOIS FED. AID PROJECT	

Temporary & Permanent Pavement Marking Schedule						
Location	Urethane Pavement Marking	Preformed Plastic Pavt Ty B. Inlaid	Raised Reflective Pavement Markers	Raised Reflective Pavement Markers Removal	Raised Reflective Pavement Markers (Bridge)	
	4"	6"				
	Foot	Foot	Each	Each	Each	
Charter Structures						
167+33.00 TO 168+33.00	200	25	2	2		
Structure 072-0138	276	35		2	2	
169+71.00 TO 170+71.00	200	25	2	2		
167+39.00 TO 168+39.00	200	25	2	2		
Structure 072-0139	252	32		2	2	
169+65.00 TO 170+65.00	200	25	2	2		
I 74 / I 474 / IL 6 Structures						
Westbound						
213+63.00 TO 214+62.31	199	25	2	2		
Structure 072-0107	328	41		3	3	
216+26.31 TO 217+68.00	283	36	2	2		
Structure 072-0109	322	41		3	3	
219+29.00 TO 220+30.00	202	26	2	2		
Eastbound						
213+32.00 TO 214+56.31	249	31	2	2		
Structure 072-0106	352	44		3	3	
216+32.31 TO 217+65.00	265	33	2	2		
Structure 072-0108	334	42		3	3	
219+32.00 TO 220+32.00	200	25	2	2		
Structure 072-0111	299	38		2	2	
Grand total	4361	546	20	38	18	

GUARDRAIL TABLE								
LOCATION	STEEL PLATE BEAM GUARD RAIL REMOVAL	STEEL PLATE BEAM GUARD RAIL TYPE A	TRAFFIC BARRIER TERMINAL TYPE 1 TANGENT SPECIAL	TRAFFIC BARRIER TRERMINAL TYPE 2	TRAFFIC BARRIER TRERMINAL TYPE 6	TERMINAL MARKER DIRECT APPLIED	GUARDRAIL AGGREGATE EROSION CONTROL	GUARDRAIL MARKERS TYPE A
	FOOT	FOOT	EACH	EACH	EACH	EACH	TON	EACH
NORTHBOUND								
RT STA 219+29 BK - 399+62 AH	95	37.5	1		1	1	5.7	2
LT STA 219+29 BK - 502+62 AH	132	275	1		1	1	42.0	5
RT STA 169+71 - 172+79	105	212.5	1		1	1	32.4	4
LT STA 169+71 - 173+42	155	275	1		1	1	42.0	5
SOUTHBOUND								
LT STA 210+70 - 214+41	157	275	1		1	1	42.0	5
LT STA 188+28 - 191+02	208	212.5	1	1		1	32.4	4
LT STA 162+46 - 168+30	475	488	1		1	1	74.5	7
TOTAL	1327	1775.5	7	1	6	7	271.0	32

Short Term Pavement Marking							Work Zone Pavement Marking Removal
Location	Length	Dash	Shoulder	x2 Apps			
	Foot	Foot	Foot				
Charter Oaks Structures							
167+33.00 TO 168+33.00	100	10	8	36			6
Structure 072-0138	138	14	11	50			9
169+71.00 TO 170+71.00	100	10	8	36			6
167+39.00 TO 168+39.00	100	10	8	36			6
Structure 072-0139	126	13	10	45			8
169+65.00 TO 170+65.00	100	10	8	36			6
I 74 / I 474 / IL 6 Structures							
Westbound							
213+63.00 TO 214+62.31	99	10	8	36			6
Structure 072-0107	164	16	13	59			10
216+26.31 TO 217+68.00	142	14	11	51			9
Structure 072-0109	161	16	13	58			10
219+29.00 TO 220+30.00	101	10	8	36			7
Eastbound							
213+32.00 TO 214+56.31	124	12	10	45			8
Structure 072-0106	174	17	14	63			11
216+32.31 TO 217+65.00	133	13	11	48			8
Structure 072-0108	167	17	13	60			11
219+32.00 TO 220+32.00	100	10	8	36			6
Structure 072-0111	299	30	24	108			18
Grand tota	2029	203	162	730			127

Hot Mix Asphalt Removal (Deck)						
Structure #	CL Station	Length	Beg Sta	End Sta.	Width	Area
		FOOT			FOOT	SQ YD
072-0106	215+44.31	174	214+57.31	216+31.31	55	1063.3
072-0107	215+44.31	164	214+62.31	216+26.31	47.2	860.1
072-0108	218+48.50	167	217+65.00	219+32.00	53	983.4
072-0109	218+48.50	161	217+68.00	219+29.00	53.4	955.3
072-0111	512+13.50	299	513+63.00	510+64.00	42	1395.3
Total						5257.5

Hot Mix Asphalt Removal						
Structure #	CL Station	Length	Beg Sta	End Sta.	Width	Area
		FOOT			FOOT	SQ YD
072-0138	169+02.00	138	168+33.00	169+71.00	41.8	640.9
072-0139	169+02.00	126	168+39.00	169+65.00	41.8	585.2
Total						1226.1

Waterproofing Membrane System						
Structure #	CL Station	Length	Beg Sta	End Sta.	Width	Area
		FOOT			FOOT	SQ YD
072-0138	169+02.00	138	168+33.00	169+71.00	41.8	640.9
072-0139	169+02.00	126	168+39.00	169+65.00	41.8	585.2
Total						1226.1

ENGINEER'S FIELD OFFICE	
LOCATION	CAL MO
Jobsite	3
TOTAL	3

TRAFFIC CONTROL & PROTECTION 701401	
LOCATION	LSUM
Jobsite	1
TOTAL	1

MOBILIZATION	
LOCATION	L SUM
Jobsite	1
TOTAL	1

TRAFFIC CONTROL & PROTECTION 701406	
LOCATION	L SUM
Jobsite	1
TOTAL	1

MOWING	
LOCATION	UNIT
Jobsite	248
TOTAL	248

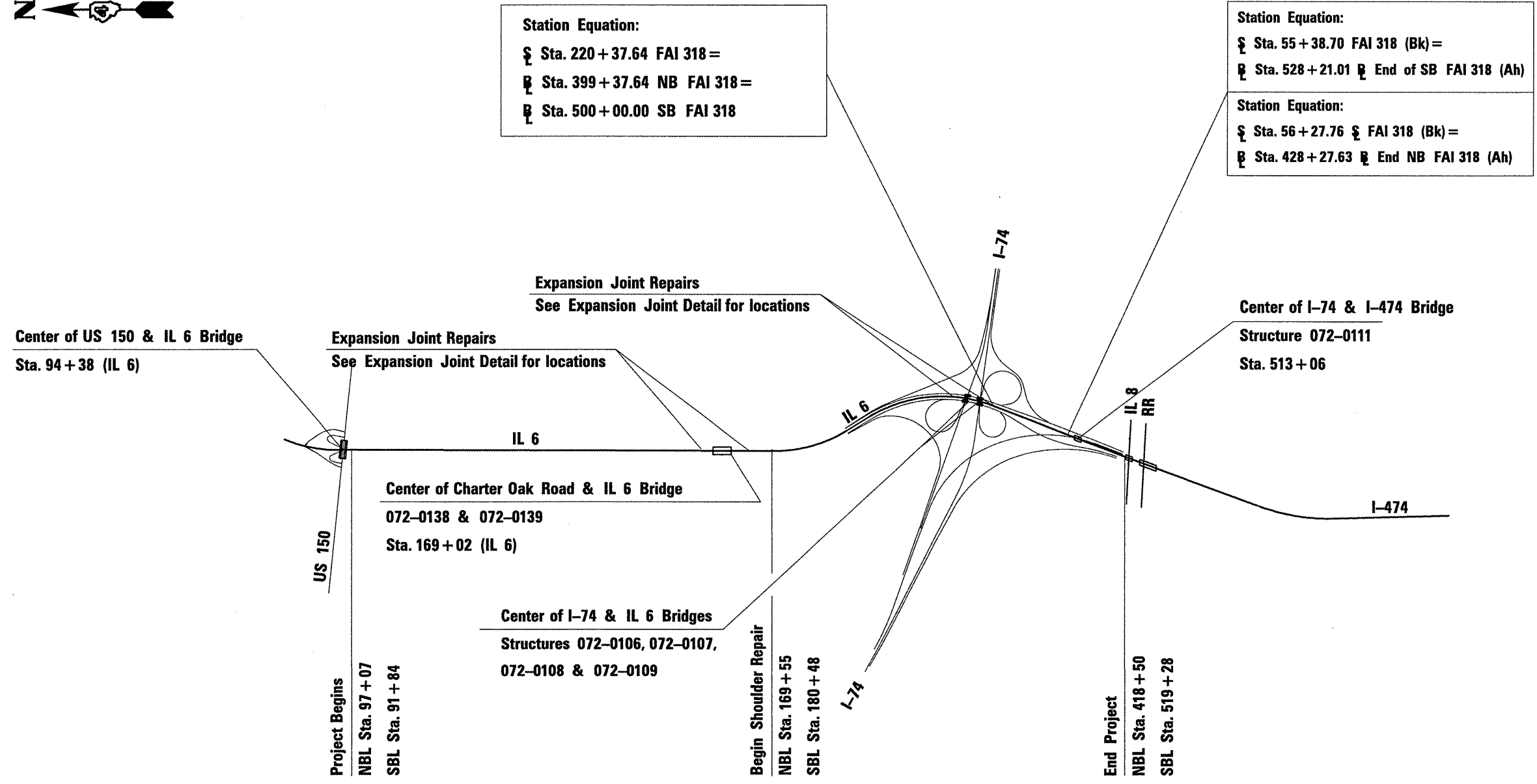
TRAFFIC CONTROL & PROTECTION 701411	
LOCATION	EACH
IL 6 / US 150	4
I 74 / I 474 / IL 6	6
TOTAL	10

CHANGABLE MESSAGE SIGN	
LOCATION	CAL DA
Jobsite	24
TOTAL	24

TRAFFIC CONTROL & PROTECTION 701446	
LOCATION	EACH
Jobsite	1
TOTAL	1

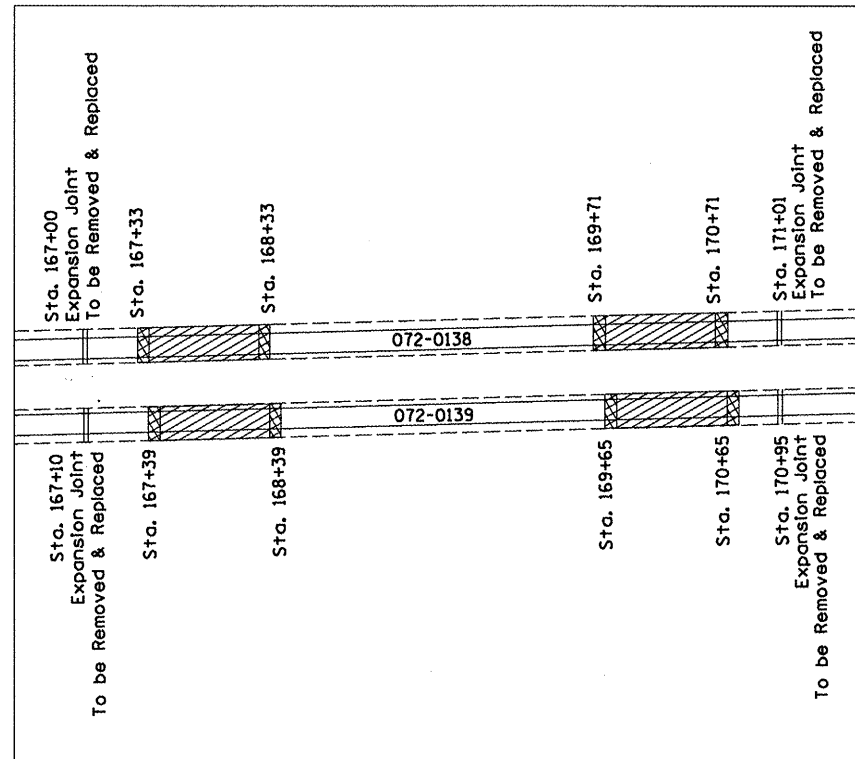
TRAFFIC CONTROL SURVEILLANCE	
LOCATION	DAYS
Jobsite	10
TOTAL	10

TRAFFIC CONTROL & PROTECTION 701456	
LOCATION	L SUM
Jobsite	1
TOTAL	1

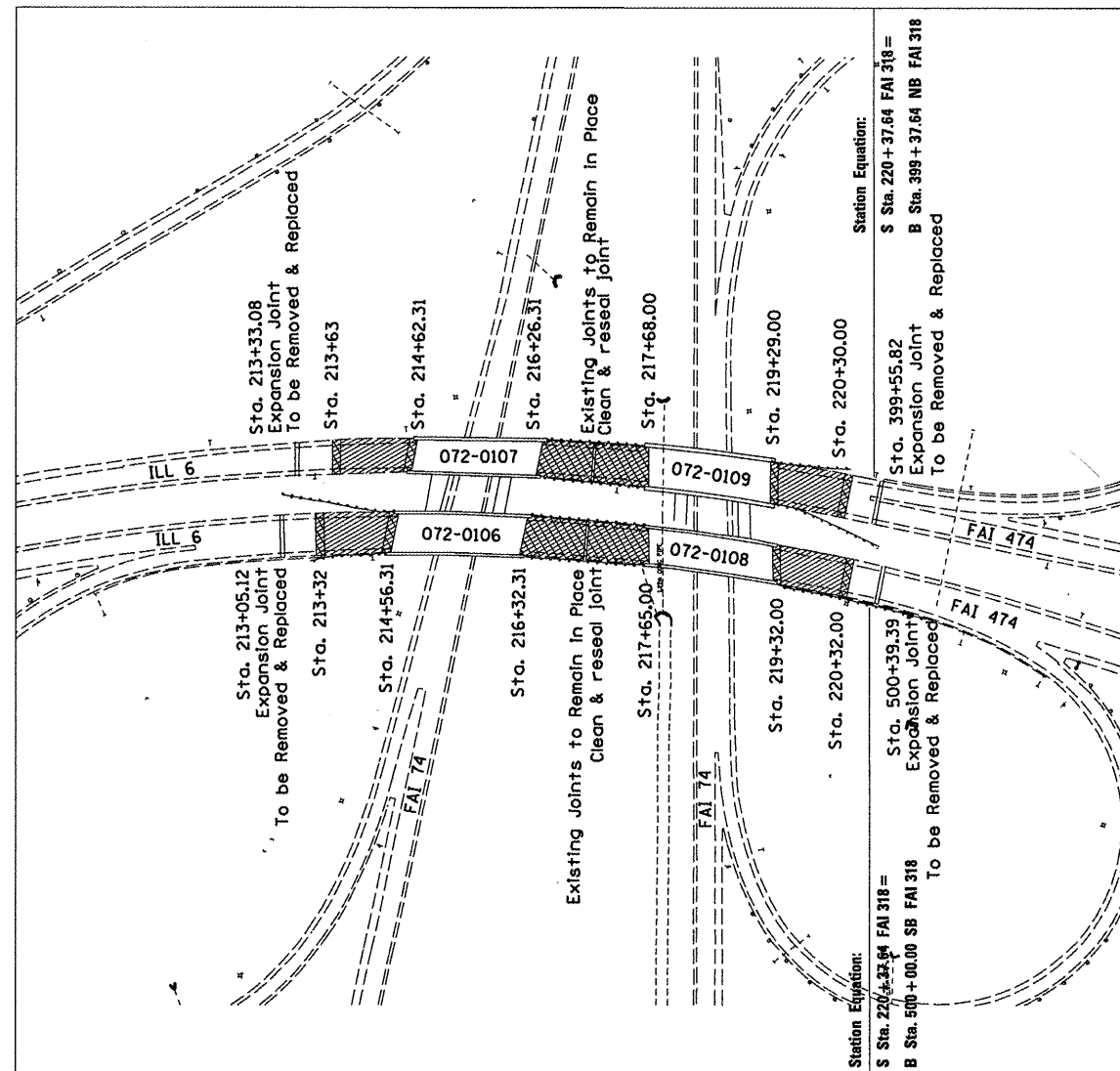


Not to Scale

FILE NAME = j74.dgn	USER NAME = everscl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LINE DIAGRAM			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 400.0000' / IN.	DRAWN -	REVISED -					318	72-[17]RS-2x(1,7-11)	PEORIA	30	17
	PLOT DATE = 12/11/2009	CHECKED -	REVISED -					CONTRACT NO. 68847				
				SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				



Structure 072-0138 & 072-0139
IL 6 over Charter Oak Road
C Structure Sta. 169+02.00

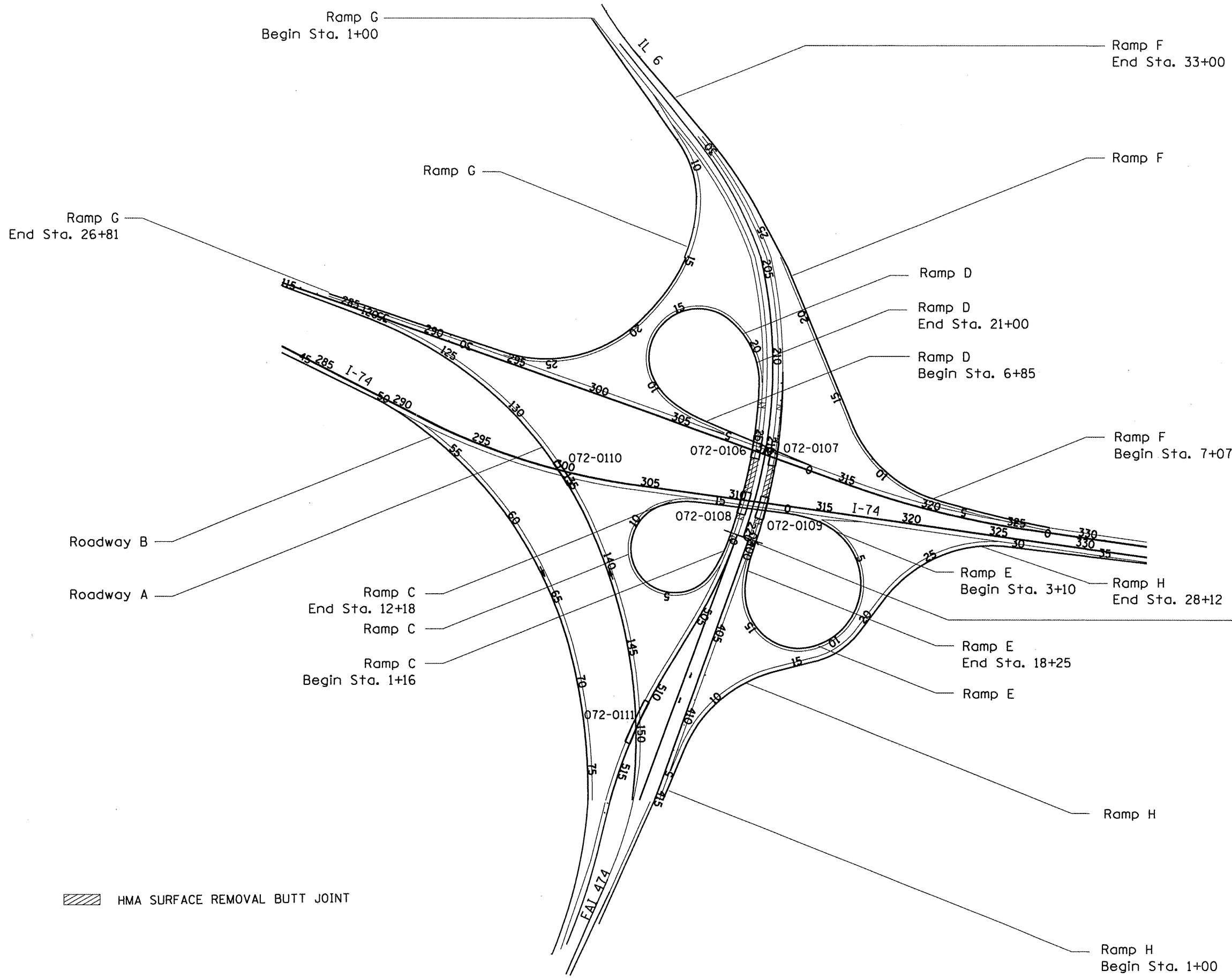


Structure 072-106, 072-0107, 072-108, & 072-0109
IL 6 / I-74 / I-474 Interchange
C Structure 072-0106 & 072-0107 Sta. 215+44.31
C Structure 072-0108 & 072-0109 Sta. 218+48.50

- HMA SURFACE REMOVAL, 2"
- HMA SURFACE REMOVAL BUTT JOINT

Not to Scale

FILE NAME = 174.dgn	USER NAME = everscl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT DETAIL	F.A.P. RTE. 318	SECTION 72-(7)RS-2(1,7-1)1	COUNTY PEORIA	TOTAL SHEETS 30	SHEET NO. 18	
PLOT SCALE = 400.0000' / IN.		DRAWN -	REVISED -			SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 68847		ILLINOIS FED. AID PROJECT	
PLOT DATE = 12/10/2009		CHECKED -	REVISED -								
		DATE -	REVISED -								

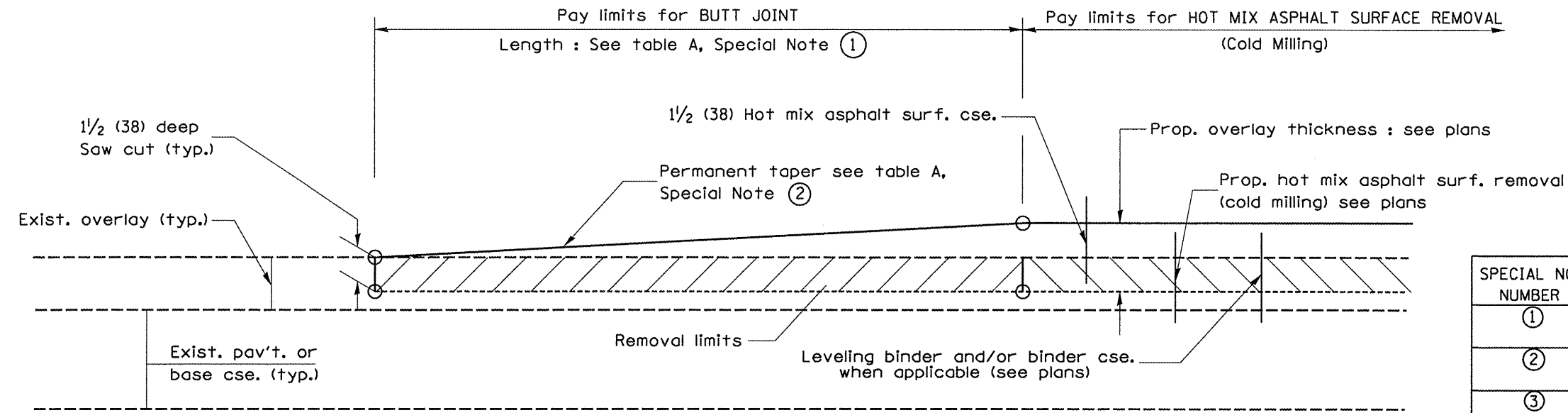


220+37 NB & SB IL 6 =
 500+00 EB I-474 =
 399+37 WB I-474

HMA SURFACE REMOVAL BUTT JOINT

Not to Scale

FILE NAME = 74.dgn	USER NAME = everscl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RAMP SHOULDER REPAIR DETAIL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			72-(7)RS-2(1,7-11)3	PEORIA	30	20	
		CHECKED -	REVISED -			74(1 318)	CONTRACT NO. 68847			
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
		PLOT SCALE = 400.0000' / IN.		SCALE:	SHEET NO. OF SHEETS STA. TO STA.					
		PLOT DATE = 12/18/2009								



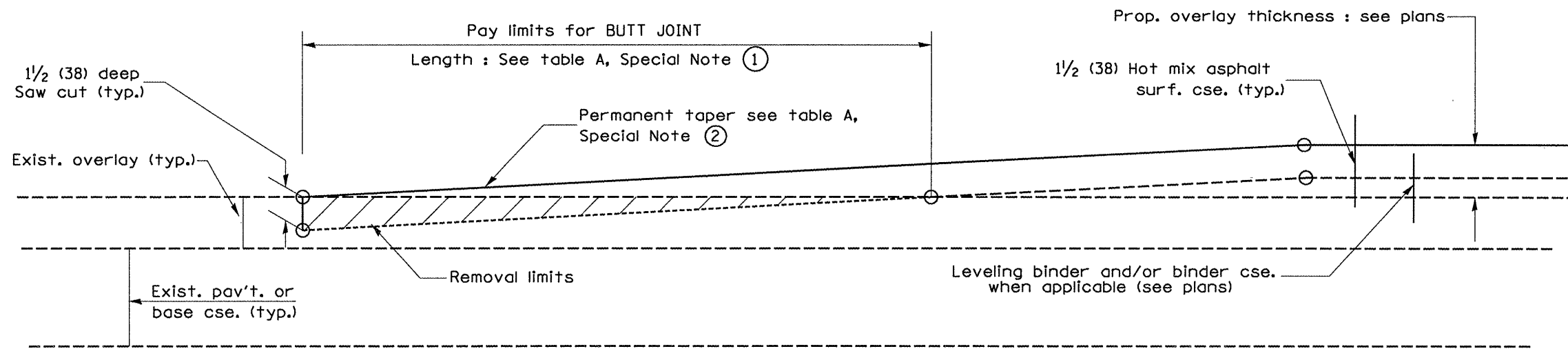
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

**TABLE A
(LENGTHS AND TAPER RATES)**

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	LENGTH OF BUTT JOINT	60'(18.0 m)	30'(9.0 m)
②	PERMANENT TAPER RATE	1:480	1:240
③	TEMPORARY RAMP TAPER RATE	1:80	1:40
④	TEMPORARY RAMP LENGTH	10'(3.0 m)	5'(1.5 m)
⑤	LENGTH OF BUTT JOINT	10'(3.0 m)	10'(3.0 m)

GENERAL NOTES

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.



CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-23.01, NEW REVISION BOX	T.P.
04-01-97	CORRECTION TO DEPTH	J.A.
09-15-05	REVISED DESIGNER NOTE	M.M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

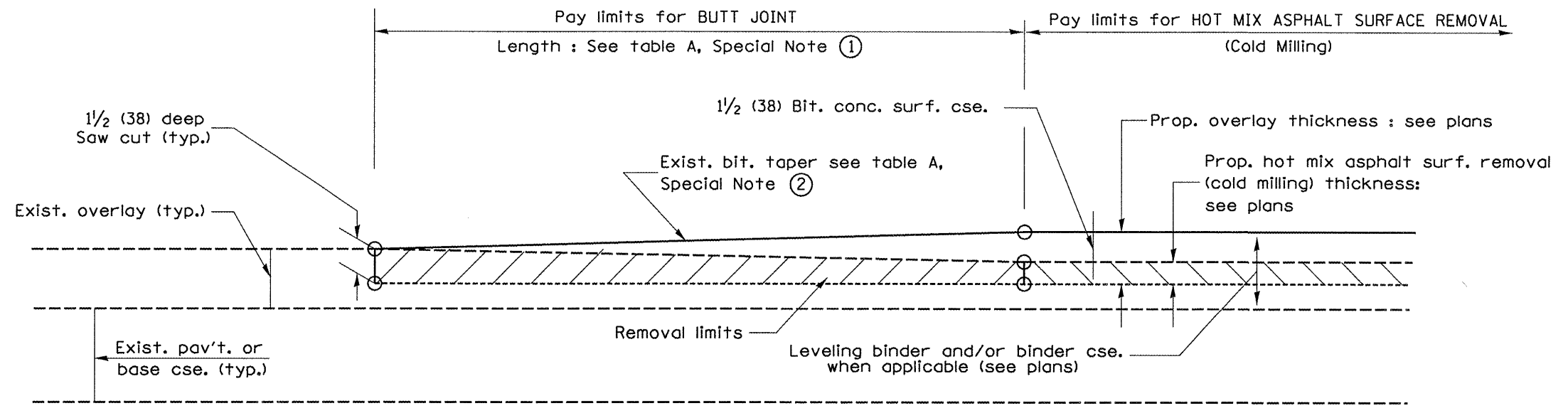
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

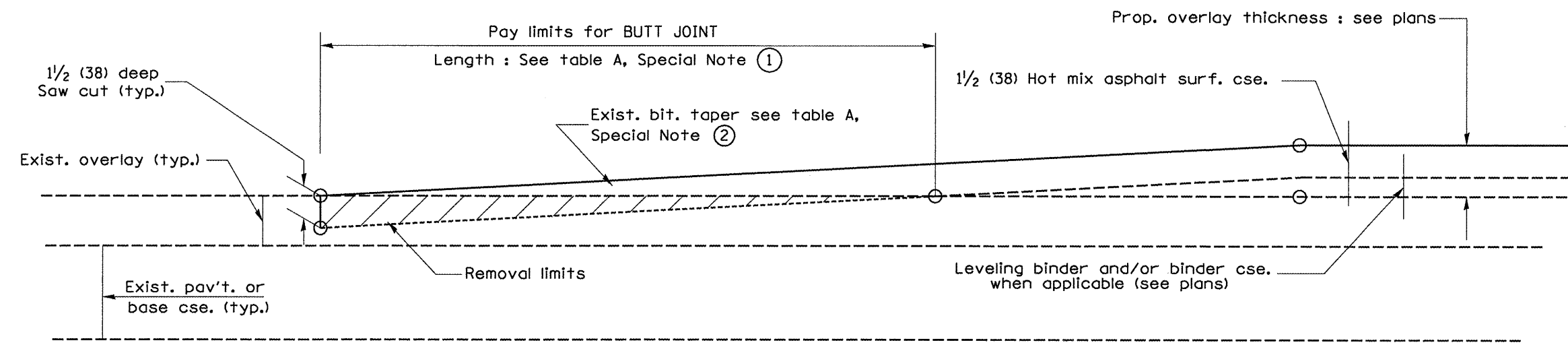
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SHT. 1 OF 3
CADD STD. 406101-04

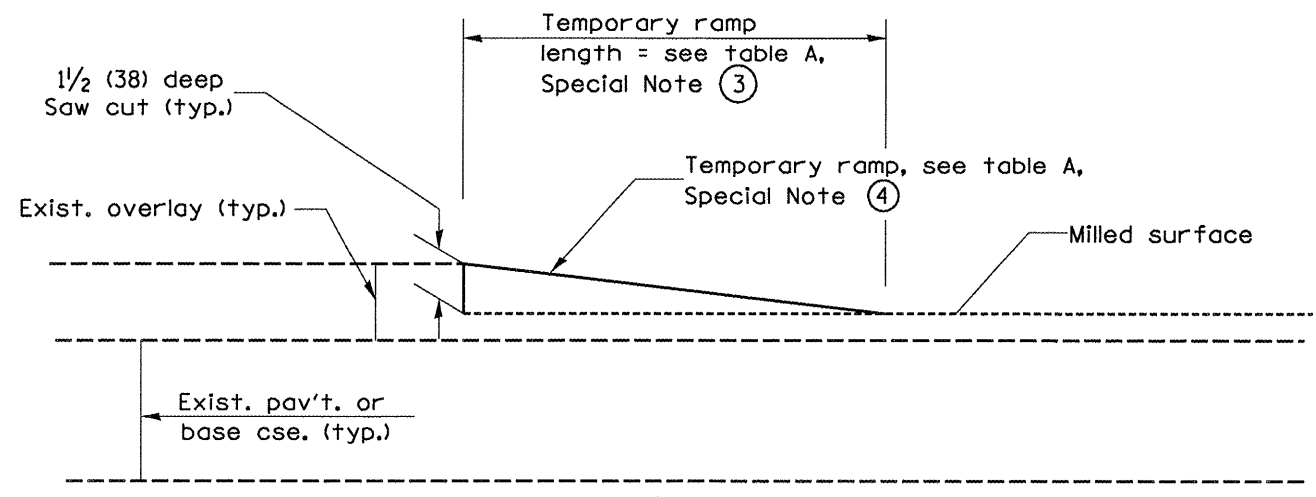
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	72-(17RS-2)(1,7-111)	PEORIA	30	21
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68847	



**CASE 3 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**

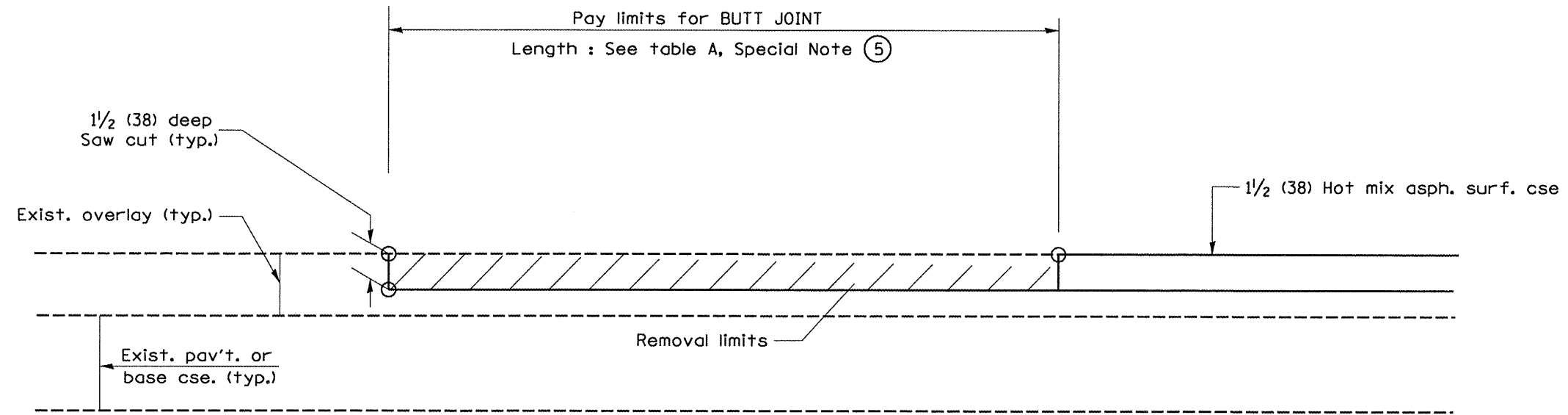


**CASE 4 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**



DETAIL TEMPORARY RAMP

All dimensions are in inches (millimeters) unless otherwise noted.



**CASE 5 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**

All dimensions are in inches (millimeters) unless otherwise noted.

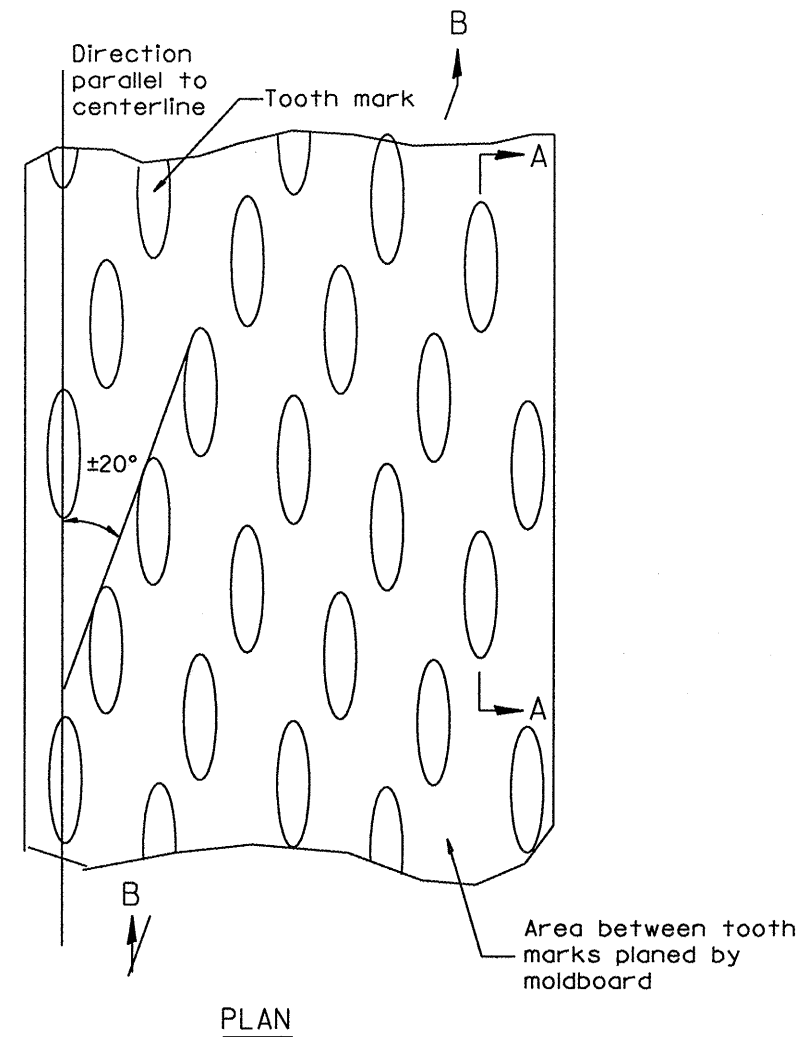
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOT TO SCALE

BUTT JOINTS

SHT. 3 OF 3
CADD STD. 406101-D4

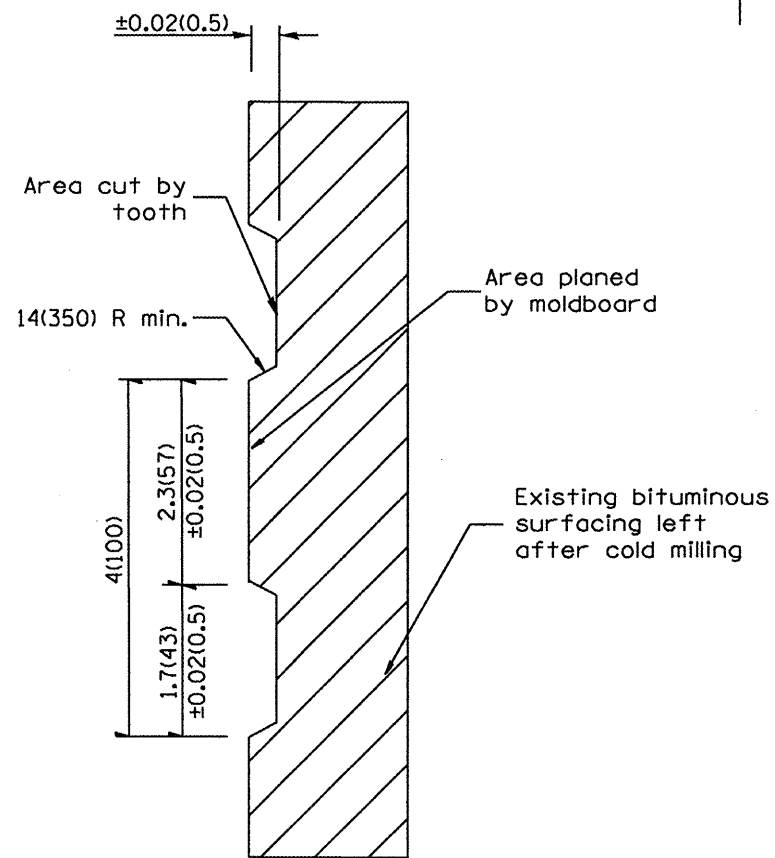
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	72-((7)RS-2(1,7-1)I]	PEORIA	30	23
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 68847				



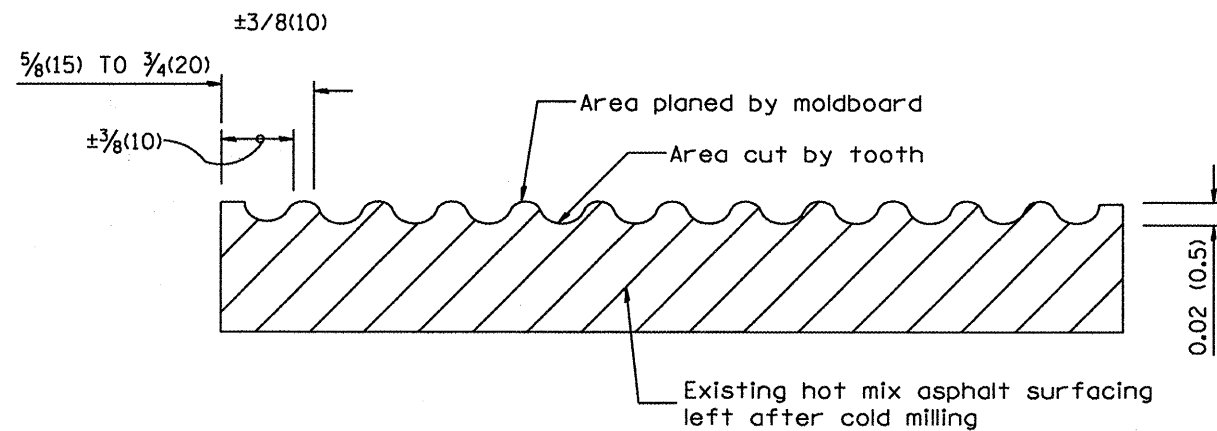
PLAN

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



SECTION A-A



SECTION B-B PROJECTED
PERPENDICULAR TO CENTERLINE

All dimensions are in inches (millimeters) unless otherwise noted.

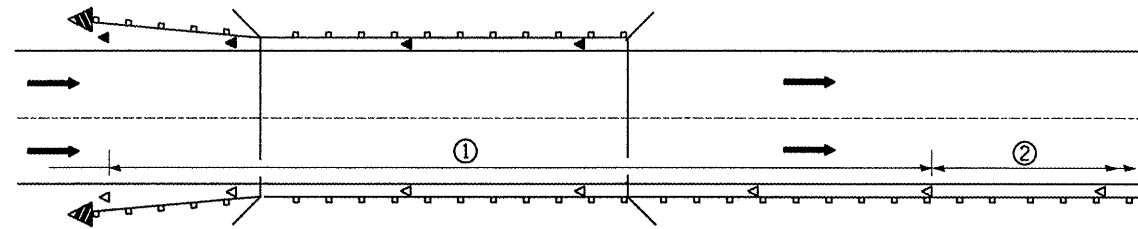
01-01-97	RENUM. C-104.01, NEW REVISION BOX	T.P.
04-20-98	REMOVED MILLING DETAIL FROM STANDARD	J.A.
09-08-98	CORRECT NOTE LEADER PLACEMENT	R.W.
10-16-06	REVISED TO 2007 SPEC.	M.A.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
NOT TO SCALE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	72-(71RS-2)(1,7-1)I	PEORIA	30	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68847	

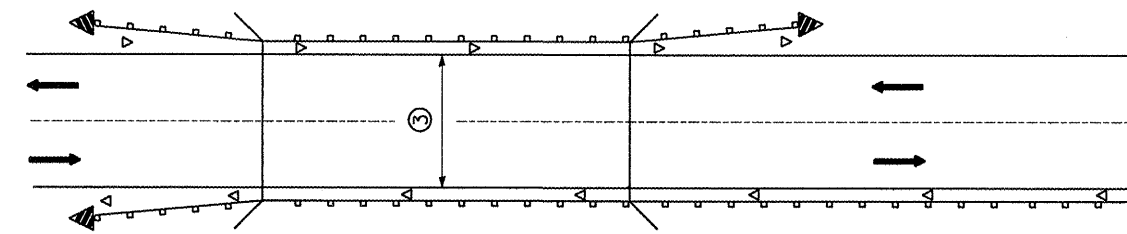
CADD STD. 440001-D4



① Spacing 80 ft. (24 m) max. for first 400 ft. (122 m) or curve spacing shown in Standard 635001, whichever is less (min. 4 reflectors regardless of length).

② After 400 ft. (122 m), transition to normal delineator spacing shown in Standard 635001, and continue as required.

ONE-WAY TRAFFIC



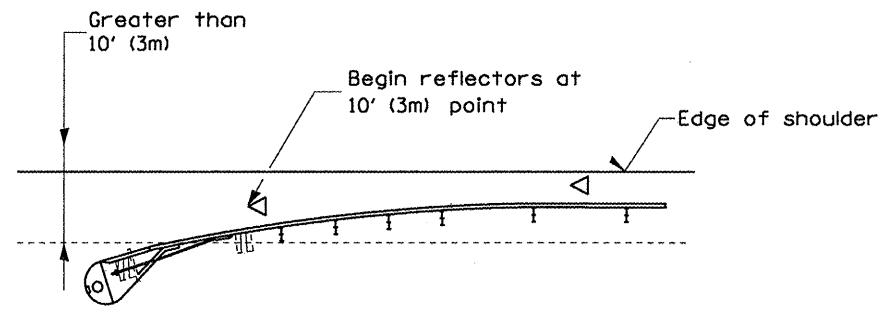
③ Bidirectional silver/silver should be used in lieu of monodirectional silver on both sides of two-lane bridges where the bridge pavement is less than 24 (610) wider than the pavement approaching the bridge.

TWO-WAY TRAFFIC

GUARDRAIL / BARRIER WALL / BRIDGE RAIL REFLECTORS

LEGEND

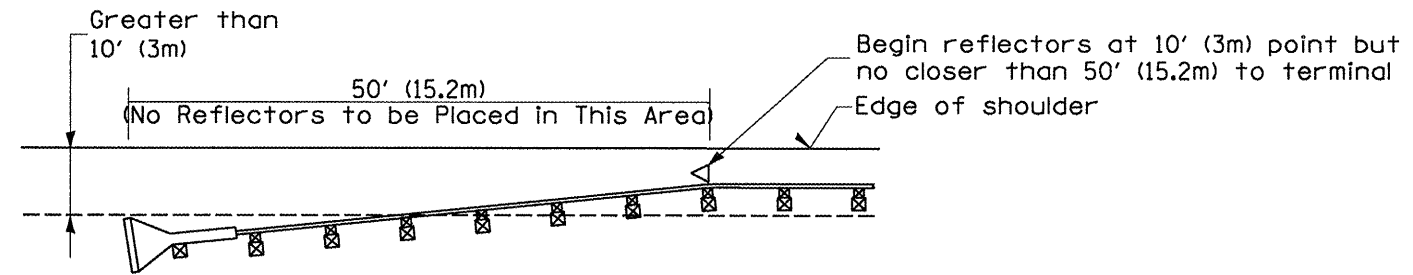
- ◁ Monodirectional silver
- ◄ Monodirectional amber
- ◄ Terminal Marker - Black/Yellow
Left or Right as appropriate



NOTE: Omit terminal marker when terminal over 10' (3m) from edge of paved shoulder or break point of unpaved shoulder, or when terminal buried in backslope.

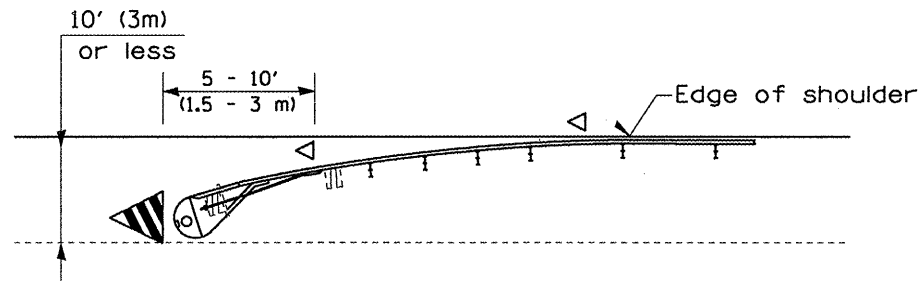
Traffic Barrier Terminal Type(*) and/or Turned-Down Terminal

[Terminal over 10' (3m) from edge of shoulder]
•See Plans for Type



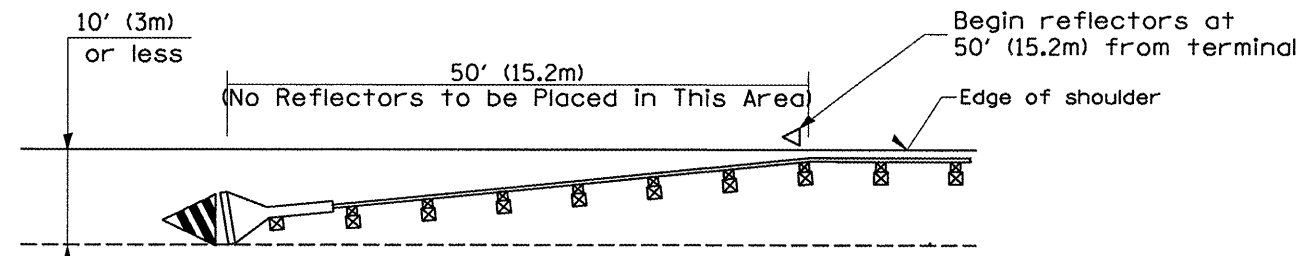
NOTE: Omit terminal marker when terminal over (10') from edge of paved shoulder or break point of unpaved shoulder.

Traffic Barrier Terminal Type 1 (Special)
[Terminal over 10' (3m) from edge of shoulder]



Traffic Barrier Terminal Type(*) and/or Turned-Down Terminal

[Terminal over 10' (3m) or less from edge of shoulder]
•See Plans for Type



Traffic Barrier Terminal Type 1(Special)
[Terminal 10' (3m) or less from edge of shoulder]

TERMINAL MARKER PLACEMENT

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. E-10.02, NEW REVISION BOX	T.P.			
03-01-97	CORRECT STD. SPEC. *	J.A.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			

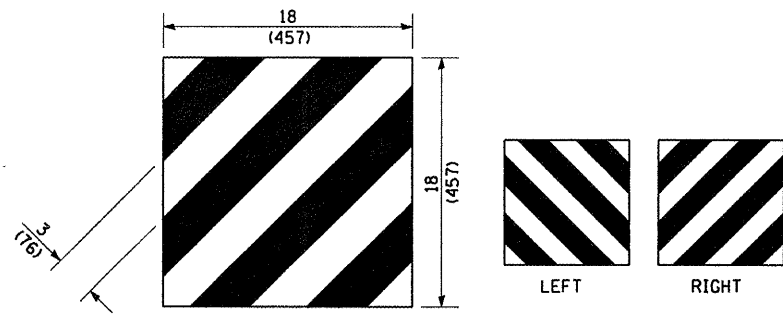
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL AND BARRIER WALL DELINEATION

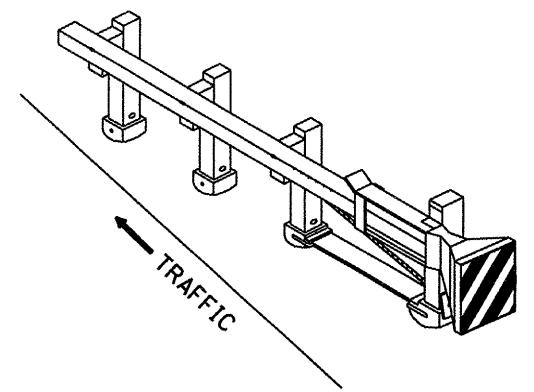
NOT TO SCALE

SHT. 1 OF 3
CADD STD. 635101-D4

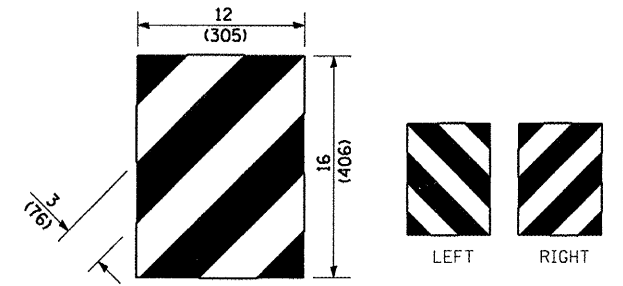
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	72-((7)RS-2(1,7-1))	PEORIA	30	25
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68847	



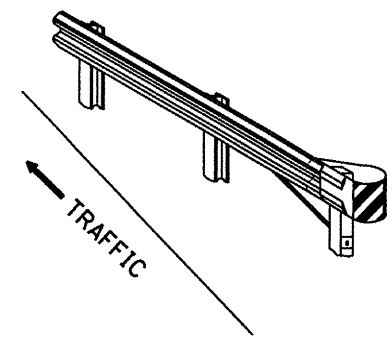
For Traffic Barrier Terminal Type 1 (Special)



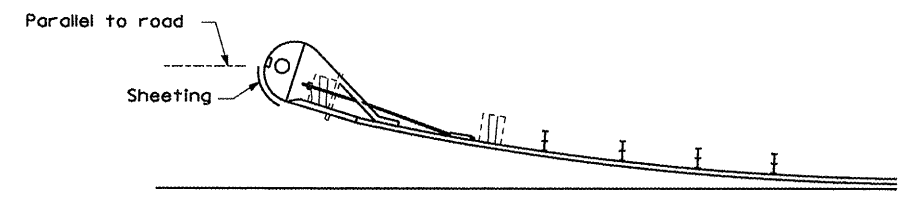
Standard Treatment - Direct Applied Sheeting
Traffic Barrier Terminal Type 1 (Special)



For Traffic Barrier Terminal Type (*)
and Post Mount
• See Plans for Type



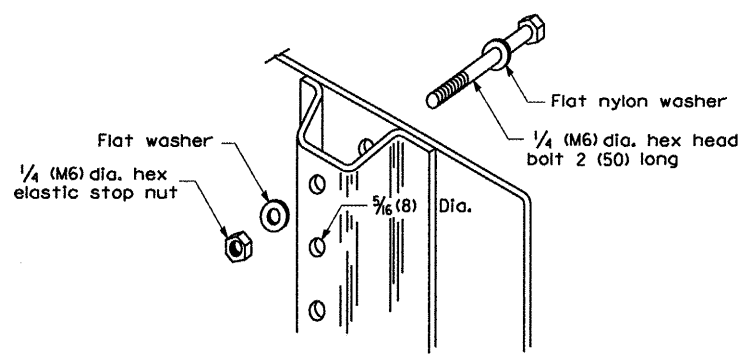
Standard Treatment - Direct Applied Sheeting
Traffic Barrier Terminal Type (*)
• See Plans for Type



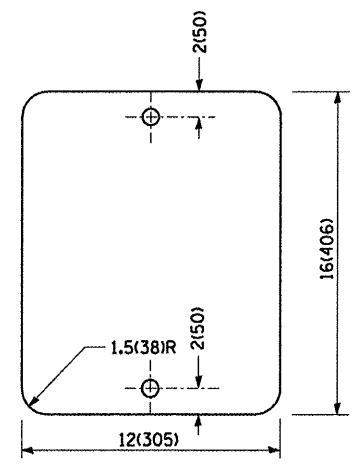
Sheeting Position for
Traffic Barrier Terminal Type (*)
• See Plans for Type

TERMINAL MARKER DETAILS

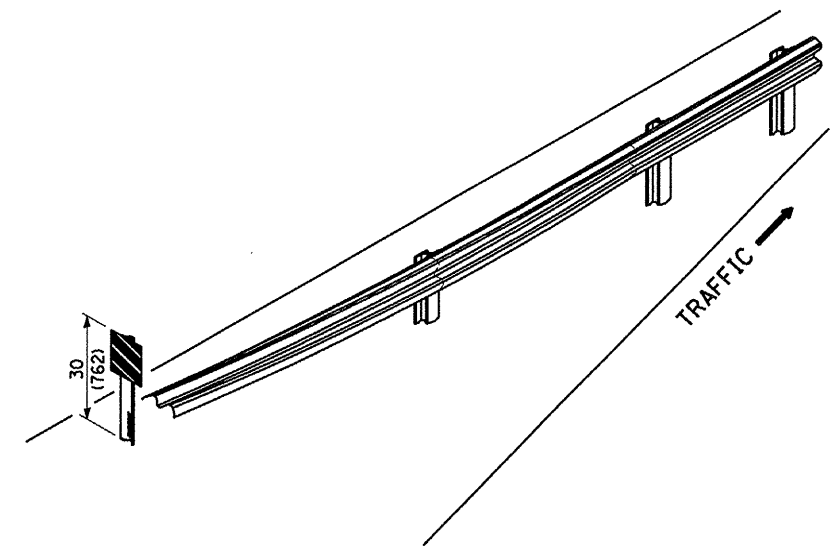
- Color: Black / Yellow reflectorized
- OM - I100 (L or R) Direct applied reflective sheeting
- OM - I200 (L or R) Post mounted



DETAIL OF MOUNTING TERMINAL MARKER TO POST



STANDARD TERMINAL MARKER



ALTERNATE TREATMENT - POST MOUNTED
(For turned-down terminal where sheeting cannot be direct applied)

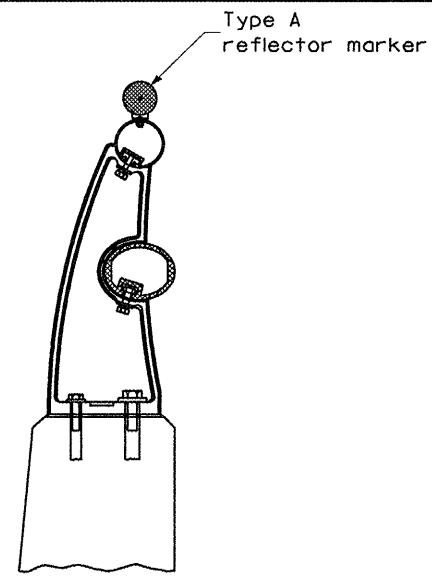
TERMINAL MARKER TREATMENTS

GENERAL NOTES

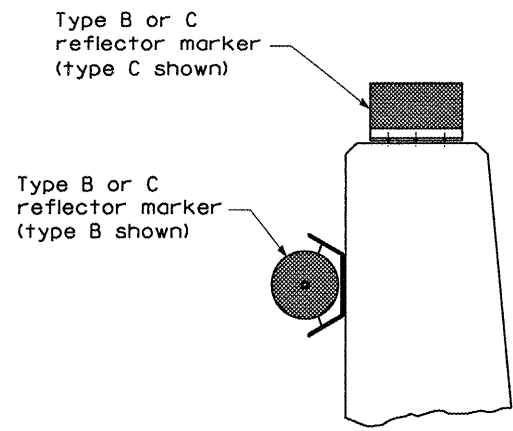
All dimensions are in inches (millimeters) unless otherwise noted.

POST MOUNTED TERMINAL MARKER ASSEMBLY

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		GUARDRAIL AND BARRIER WALL DELINEATION		F.A.P. RTE. 318	SECTION 72-(17)RS-2(1,7-11)	COUNTY PEORIA	TOTAL SHEETS 30	SHEET NO. 26
NOT TO SCALE		SHT. 2 OF 3 CADD STD. 635101-D4		CONTRACT NO. 68847				
				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

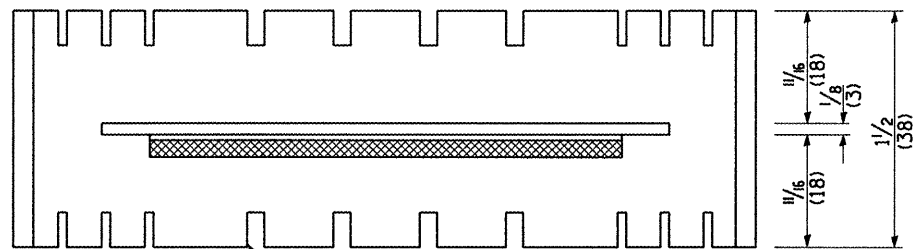


TYPICAL MOUNTING DETAIL
FOR BRIDGE RAIL REFLECTOR

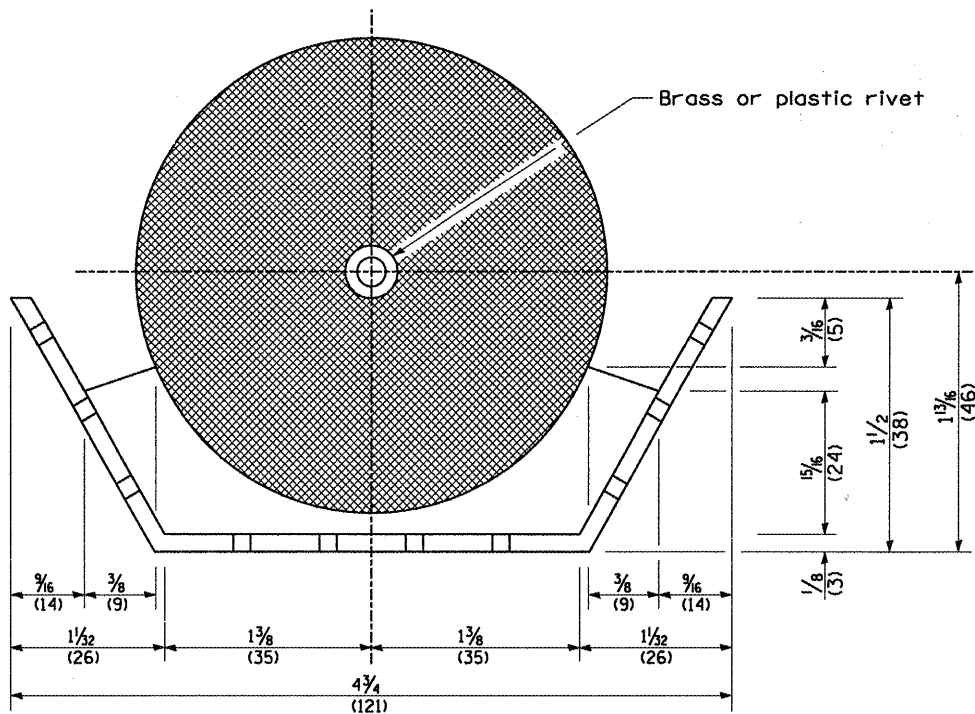


TYPICAL MOUNTING DETAIL
FOR BARRIER WALL REFLECTOR

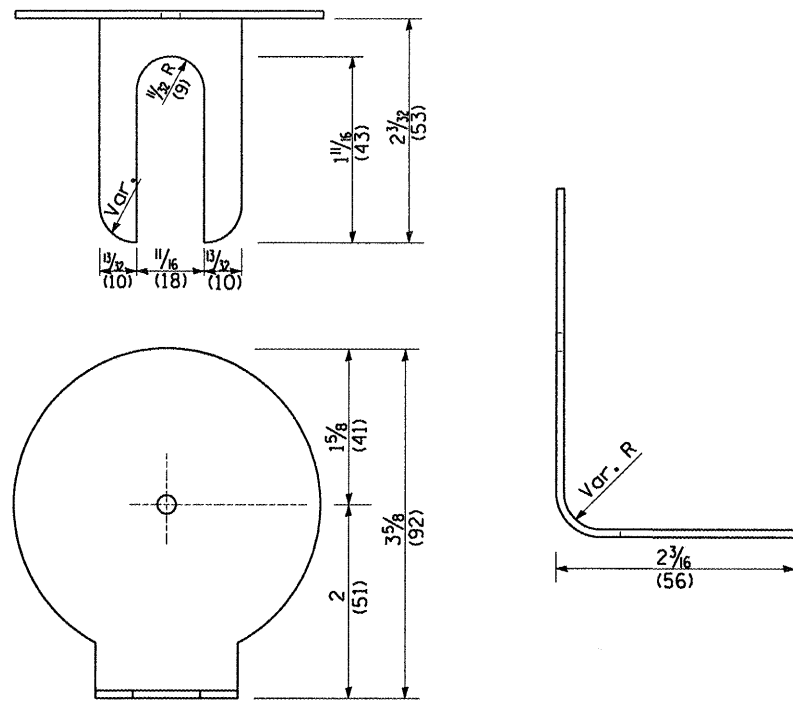
REFLECTOR MOUNTING



Adhesive weep slots or holes
equally spaced on both sides

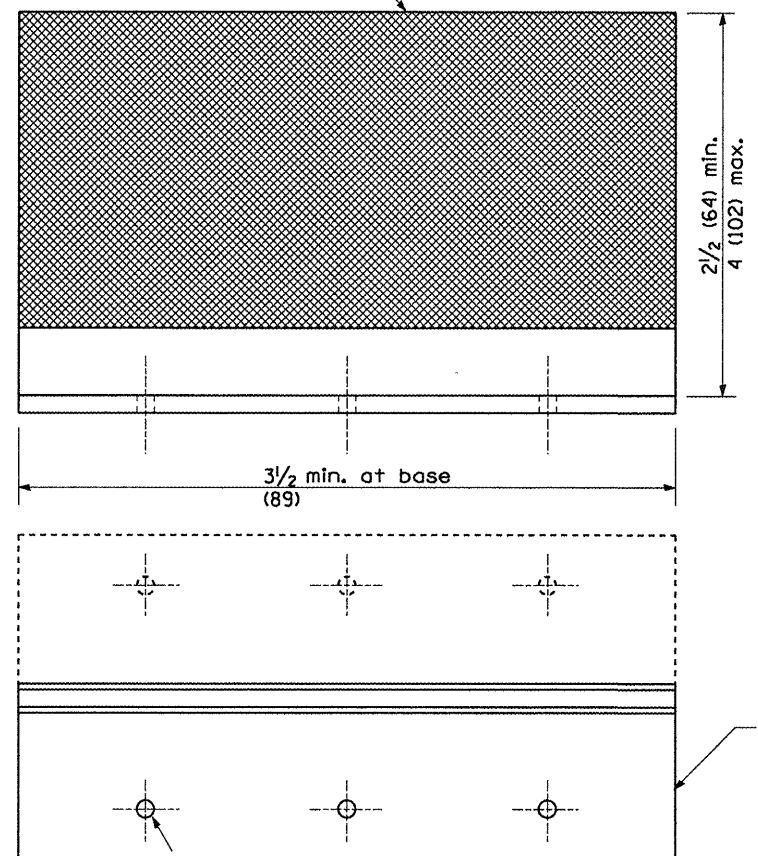


REFLECTOR MARKER TYPE B



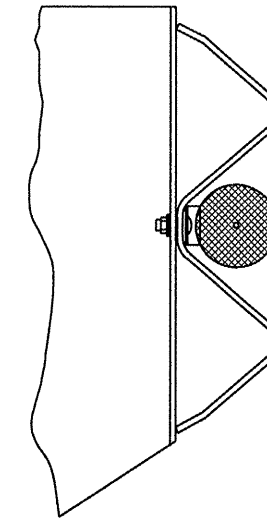
REFLECTOR MARKER TYPE A

Min. reflective area 6 1/2 sq. in. (4,194 mm²)
each side. May be rectangular or slight
trapezoid.

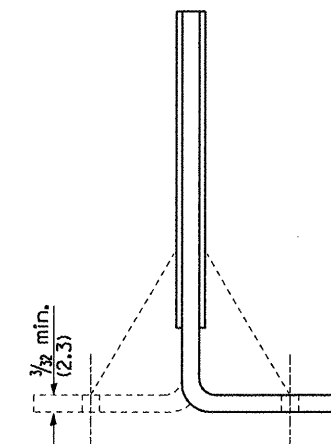


3 min. adhesive weep
holes or slots each side,
variable spacing.

REFLECTOR MARKER TYPE C



TYPICAL GUARDRAIL MOUNTING WITH
REFLECTOR MARKER TYPE A



Cross section may be "T"
or "L" shaped and may have
side supports at ends.

REFLECTORS

All dimensions are in inches (millimeters)
unless otherwise noted.

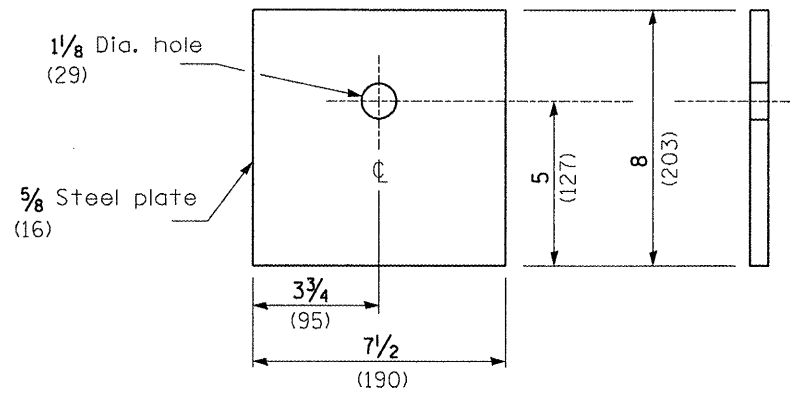
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL AND BARRIER WALL DELINEATION

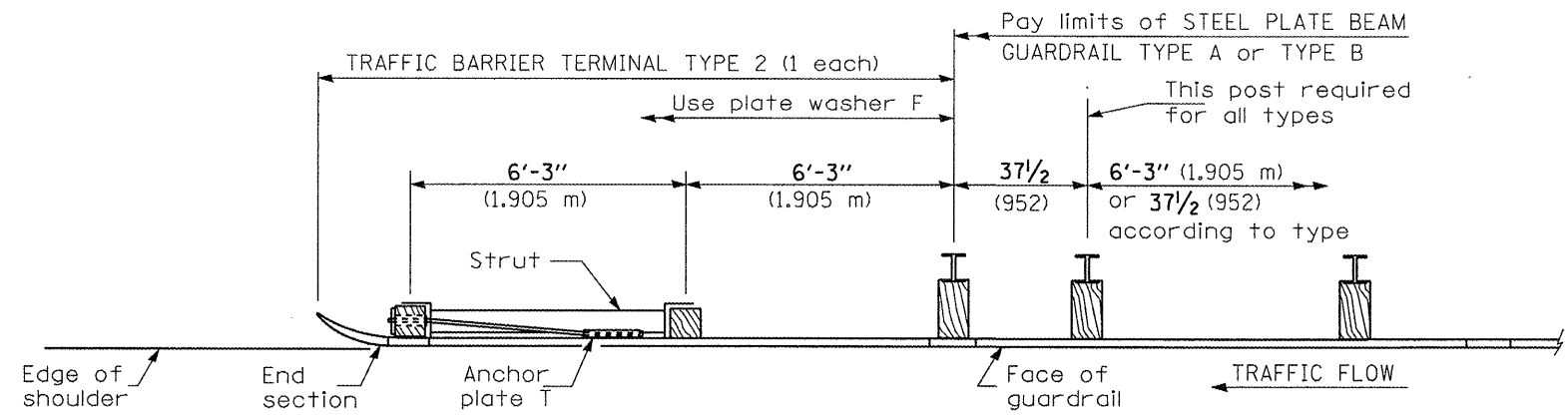
NOT TO SCALE

SHT. 3 OF 3
CADD STD. 635101-D4

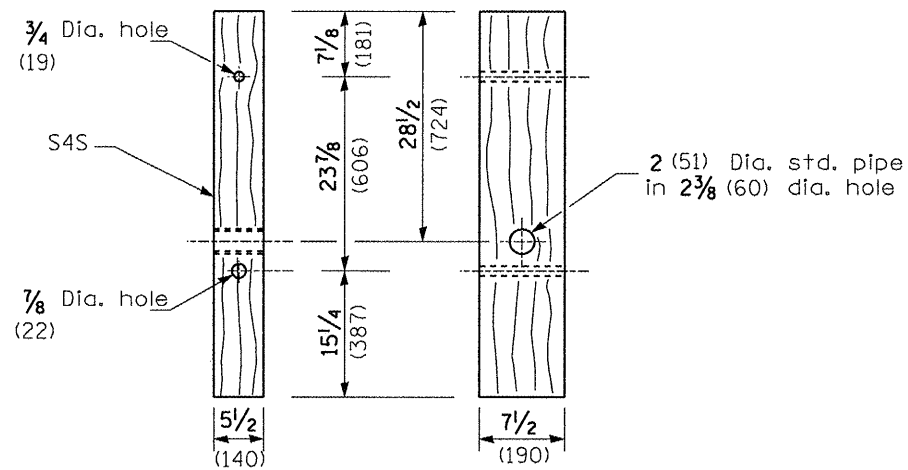
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	72-(17)RS-2(1,7-111)	PEORIA	30	27
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68847	



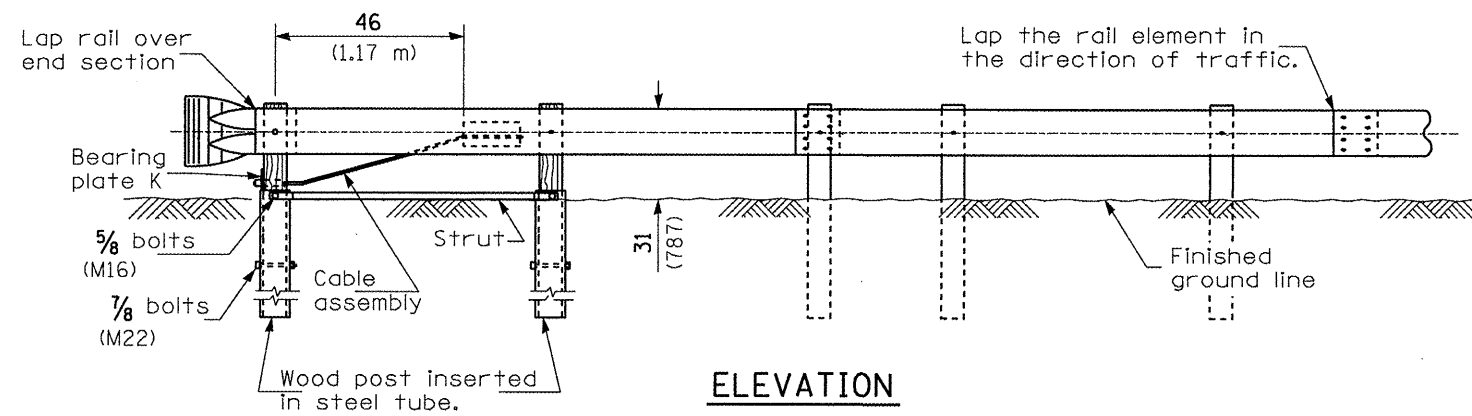
BEARING PLATE K



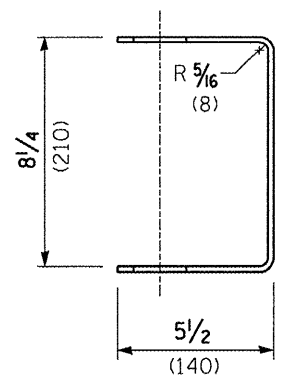
PLAN



WOOD POST

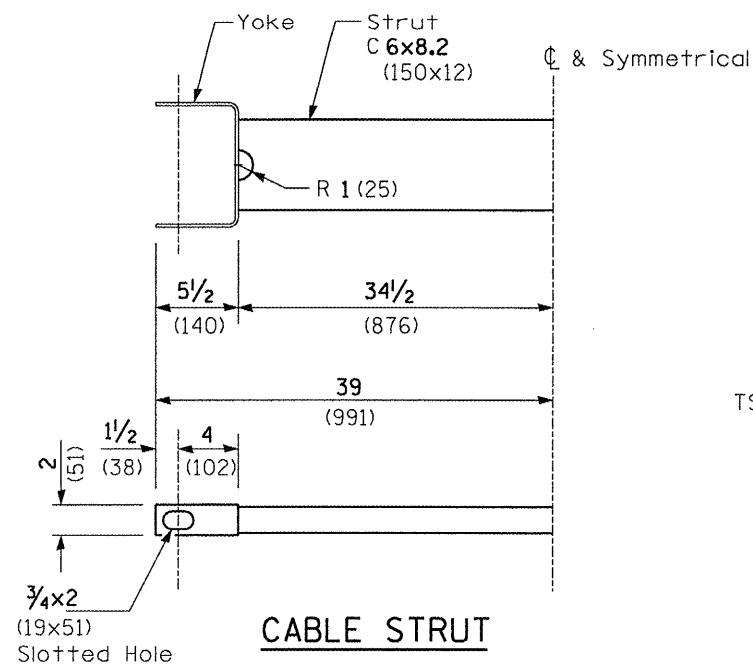


ELEVATION

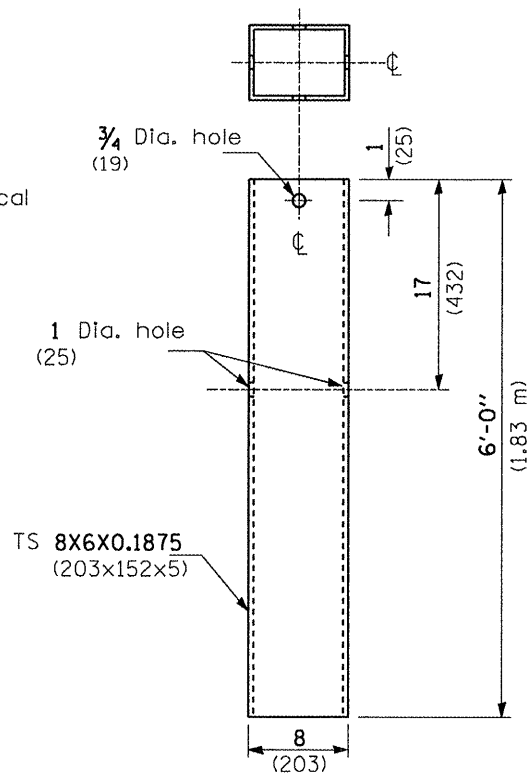


YOKE

3/16 (5) thick steel



CABLE STRUT



STEEL TUBE

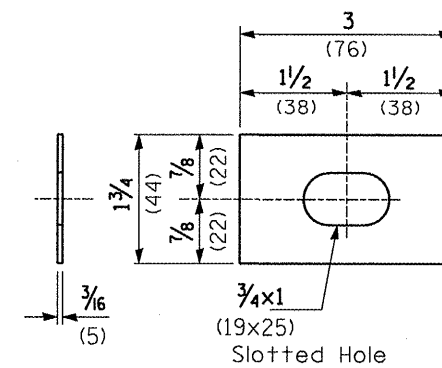


PLATE WASHER F

GENERAL NOTES

See Standard 630001 for details of guardrail not shown.

The bearing plate K shall be held in position by (2) two eight penny nails driven into the post and bent over the top of the plate.

All dimensions are in inches (millimeters) unless otherwise noted.

03-01-07 NEW DETAIL

RJD

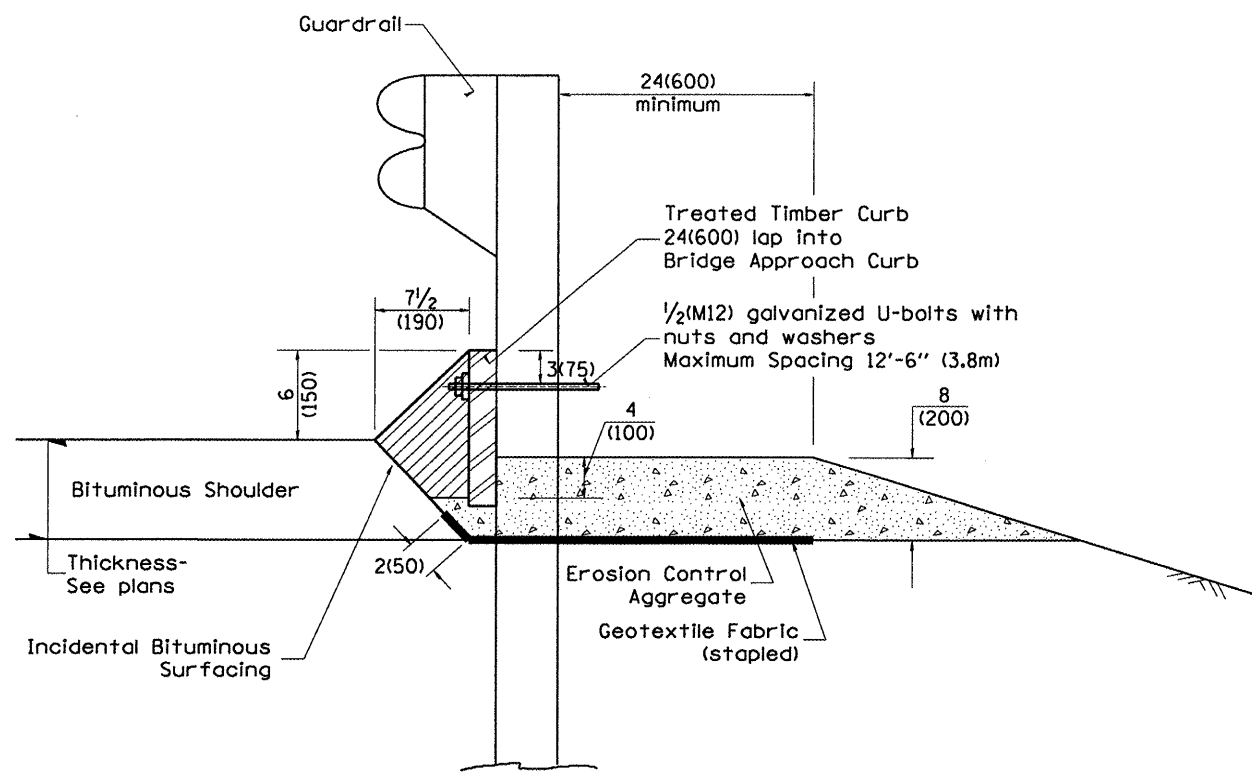
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC BARRIER TERMINAL, TYPE 2

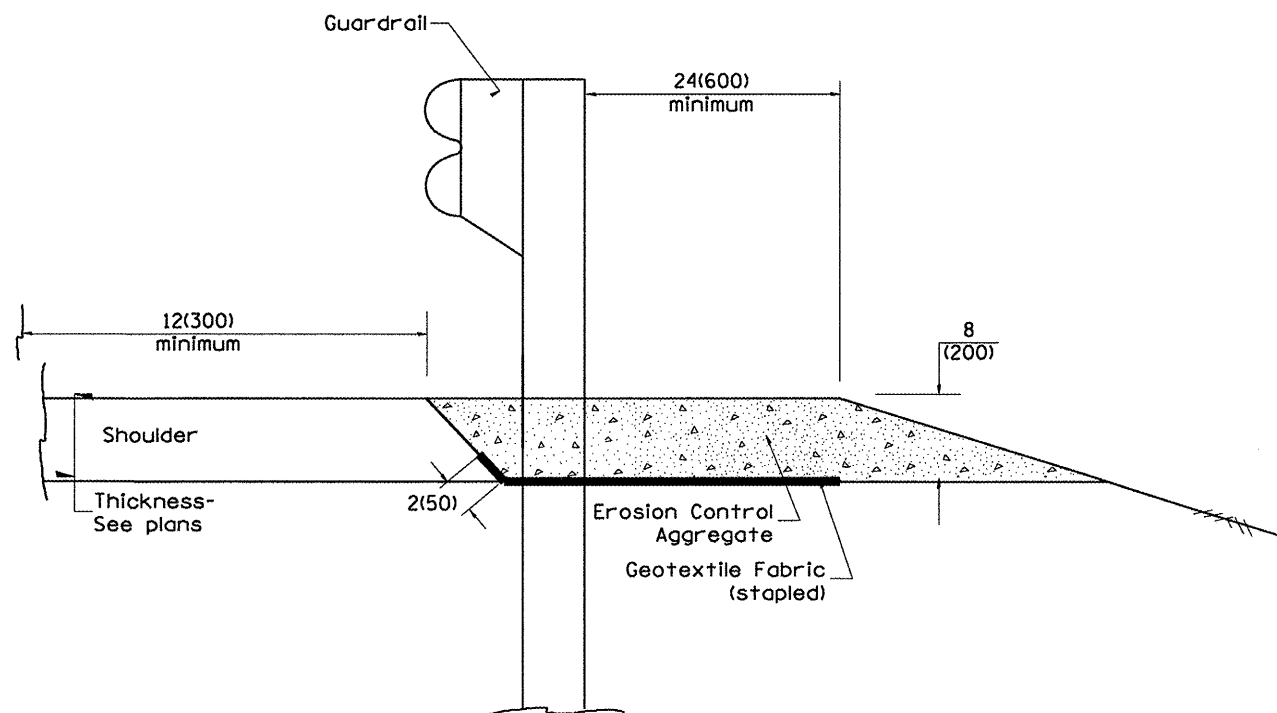
NOT TO SCALE

CADD STD. 631011-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	72-(7)RS-2x(1,7-11)I	PEORIA	30	28
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68847	



TYPICAL SECTION WITH EROSION CONTROL CURB



TYPICAL SECTION WITHOUT EROSION CONTROL CURB

GENERAL NOTES: EROSION CONTROL CURB

1. This work shall consist of grading as needed, installing hardware and treated timber boards, furnishing and placing mastic material and incidental bituminous surfacing in front of Steel Plate Beam Guardrail in accordance with Plan Details.
2. Timber shall be treated in accordance with Article 1007.12. All preservatives specified in the article will be allowed. Waterborne preservatives "asa" and "cca" shall have a minimum retention of 0.40 lbs./cu. ft. (6.4 kg/m³)

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
 - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
 - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-22.01, NEW REVISION BOX	T.P.
03-01-97	CORRECT STD. NUMBERS IN NOTES PG. 2	J.A.
11-03-00	CORRECTION TO NOTES	M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

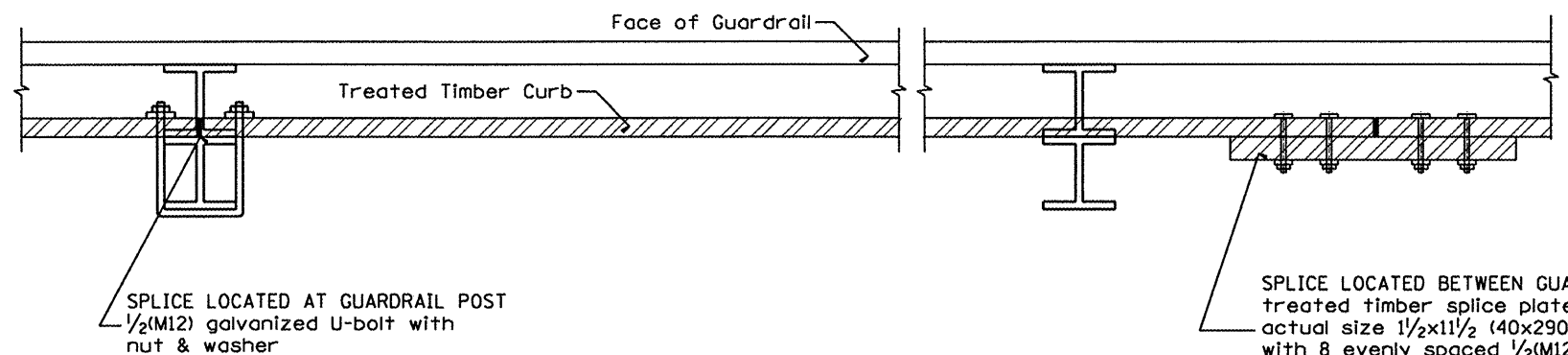
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL EROSION CONTROL TREATMENTS

NOT TO SCALE

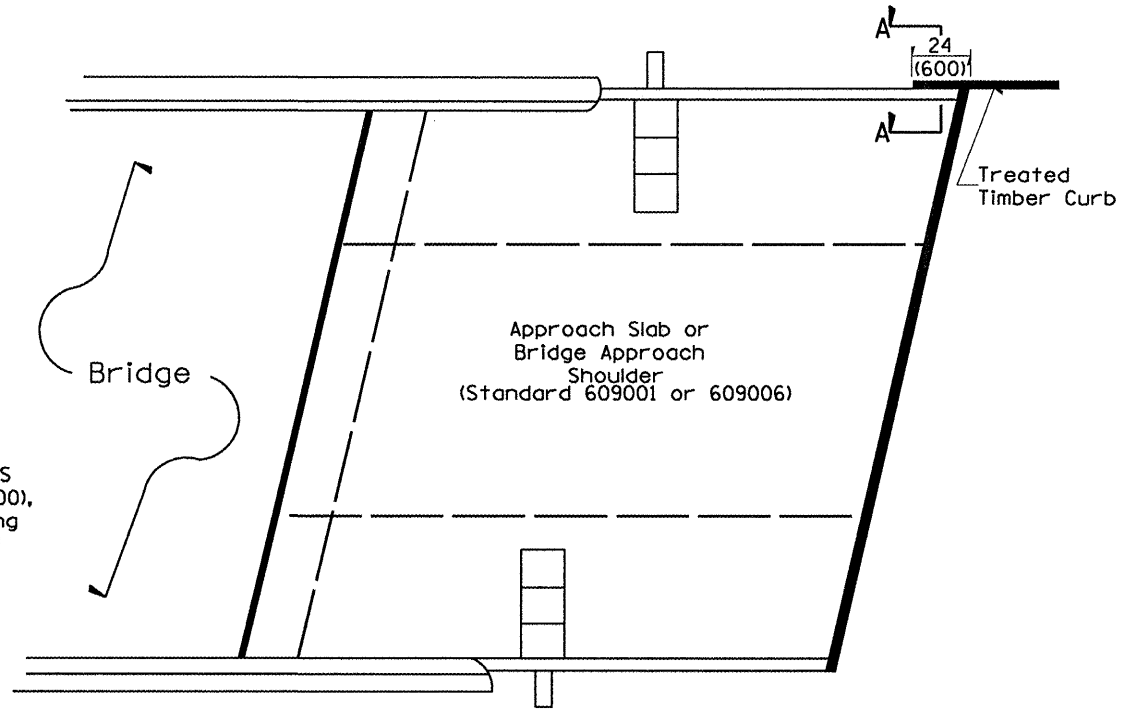
SHT. 1 OF 2
CADD STD. 630101-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
318	72-[(7)RS-2(1,7-1)I]	PEORIA	30	29
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68847	

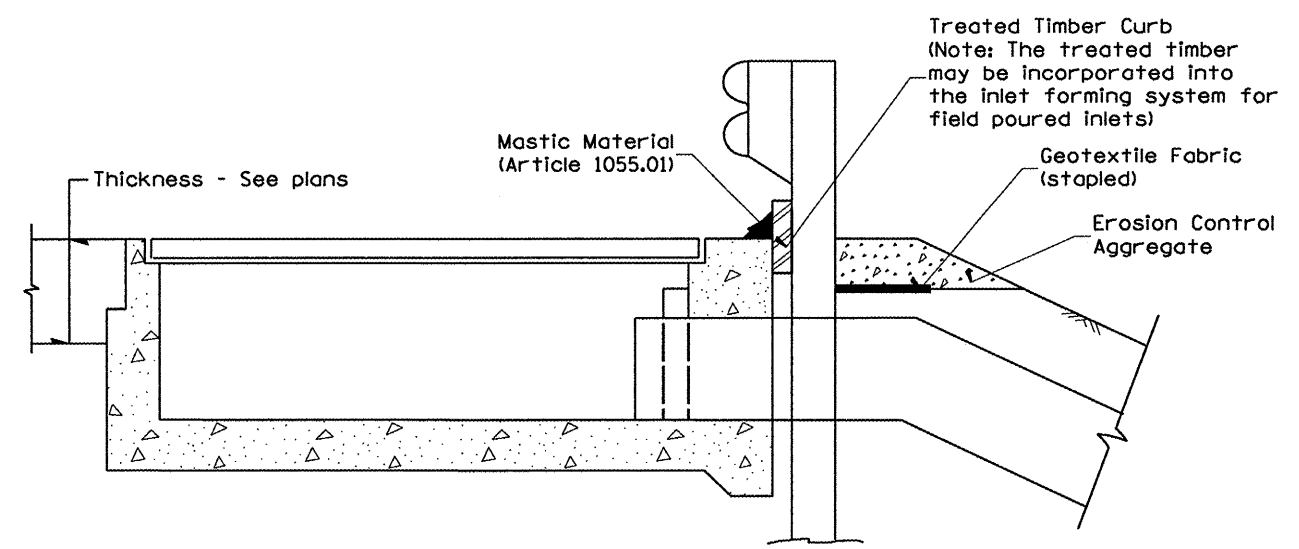


DETAIL A
(Typical Treated Timber Splices)

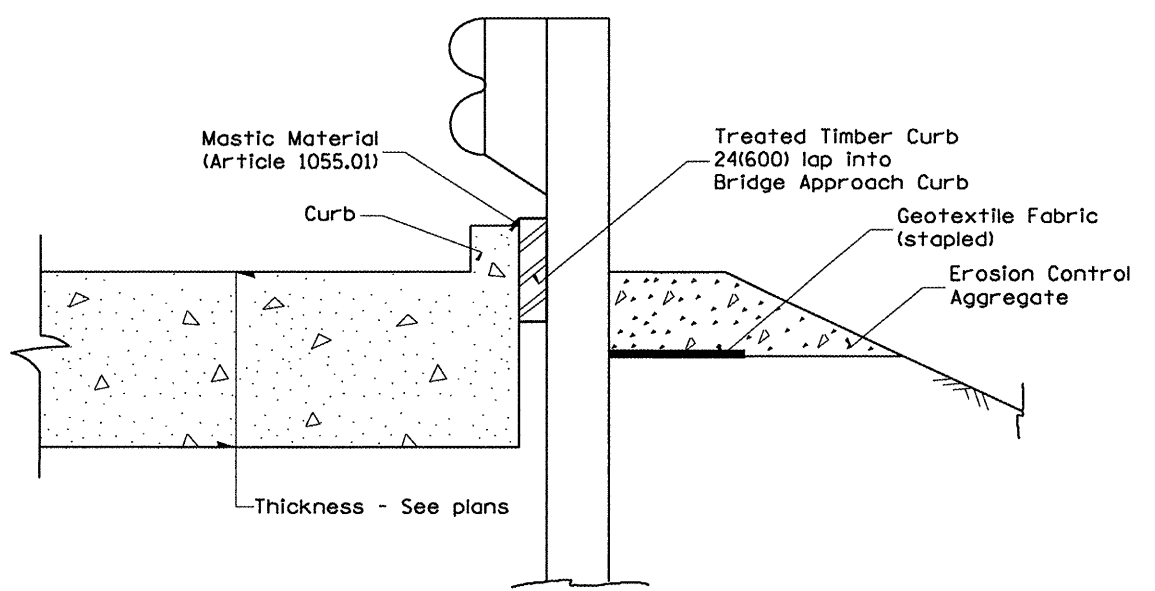
SPLICE LOCATED BETWEEN GUARDRAIL POSTS
treated timber splice plate 2x12 (50x300),
actual size 1 1/2x1 1/2 (40x290), 24(600) long
with 8 evenly spaced 1/2(M12) galvanized
bolts with nuts & washers.



PLAN VIEW
APPROACH SLAB OR BRIDGE APPROACH SHOULDER
(STANDARD 609001 or 609006)



TYPICAL SECTION WITH EROSION CONTROL CURB
AT INLETS TYPE E & F (STANDARD 610001)



SECTION A-A
TYPICAL SECTION WITH EROSION CONTROL CURB
AT BRIDGE APPROACH CURB
(STANDARD 609001 OR 609006)

All dimensions are in inches (millimeters) unless otherwise noted.

		STATE OF ILLINOIS		GUARDRAIL EROSION CONTROL TREATMENTS		F.A.P. RTE. 318		SECTION 72-(17)RS-2(1,7-11)		COUNTY PEORIA		TOTAL SHEETS 30		SHEET NO. 30	
		DEPARTMENT OF TRANSPORTATION		NOT TO SCALE		SHT. 2 OF 2		CADD STD. 630101-D4		CONTRACT NO. 66847					
						FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT							