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HIGHWAY STANDARDS

442201-03	701101-02	701336-05	780001-02
606301-04	701201-03	701406-05	781001-03
635006-03	701301-03	701502-03	873001-02
701006-03	701306-02	701601-06	886001-01
701011-02	701311-03	701901-01	886006-01

DISTRICT STANDARDS

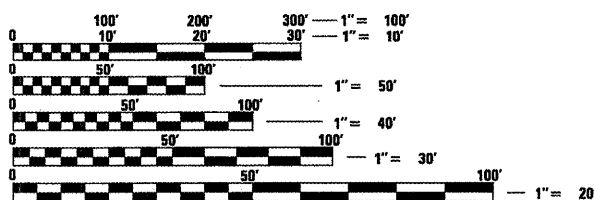
- 406101-D4
- 440001-D4
- 635101-D4
- 780001-D4

PROJECT DESCRIPTION

THE WORK CONSISTS OF RESURFACING ON IL 9 FROM EAST OF OLT AVENUE IN PEKIN TO EAST OF CHESTNUT ST IN TREMONT.

DESIGN DESIGNATION

MINOR ARTERIAL
 ADT: 6600 (2009)
 MU: 2.3%
 SU: 3.0%



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.

PROJECT ENGINEER: CHRISTOPHER MAUSHARD (309) 671-3453

DESIGNER: ELMAHI MOHAMED (309) 671-3462

CONTRACT NO. 68460

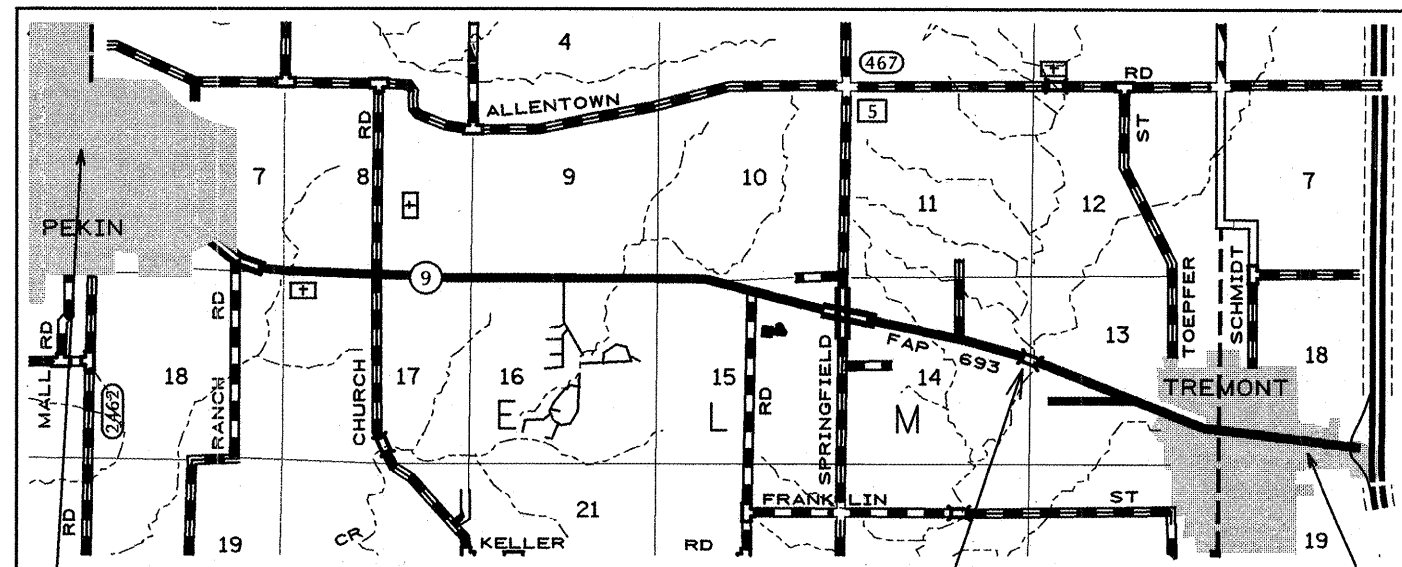
CATALOG NO. 033042-00D

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

F.A.P. ROUTE 693 (IL 9)
 SECTION 115RS-5, 118RS-7
 PAVEMENT PRESERVATION

TAZEWELL COUNTY

C-94-048-05



**PROJECT BEGINS
 STA 87 + 75**

**STRUCTURE
 090-0060**

**PROJECT ENDS
 STA. 435 + 00**

GROSS LENGTH = 34,725 FT. = 6.57 MILES
 NET LENGTH = 34,725 FT. = 6.57 MILES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	115RS-5, 118RS-7	TAZEWELL	36	1
ILLINOIS			CONTRACT NO. 68460	



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED *2/27/10*

Scott E. Slitt P.E./D
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Christine M. Reed
 ENGINEER OF DESIGN AND ENVIRONMENT

Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

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

COMMITMENTS

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN CONSENT OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE. NO COMMITMENTS HAVE BEEN MADE ON THIS PROJECT.

GENERAL NOTES

PROPERTY OWNER ACCESS REQUIREMENTS

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

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.

BUTT JOINT CUTTING TIME RESTRICTION

BUTT JOINTS SHALL NOT BE MILLED MORE THAN THREE (3) DAYS PRIOR OF TO THE PLACEMENT OF THE BITUMINOUS SURFACE COURSE.

PAVEMENT STATIONING NUMBERS & PLACEMENT

THE CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS REQUIRED TO IMPRINT STATION NUMBERS IN THE FINISHED SURFACE OF THE PAVEMENT AND/OR OVERLAY. THE NUMBERS SHALL BE APPROXIMATELY 3/4 INCH (20 mm) 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.

FILE NAME = 68460 Phase II.dgn	USER NAME = jacobsmr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS AND GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -			693	115RS-5, 118RS-7	TAZEWELL	36	2	
	PLOT DATE = 2/1/2018	CHECKED -	REVISED -			CONTRACT NO. 68460					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
SHEET NO. 1 OF 2 SHEETS											

PAVING SURFACE COURSE

CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED.

AGGREGATE FOR DRIVEWAY REPLACEMENT

THE MATERIAL FOR CONSTRUCTION OF PERMANENT AGGREGATE DRIVEWAYS SHALL BE GRAVEL OR CRUSHED STONE AS DIRECTED BY THE ENGINEER, TO REPLACE IN KIND THE EXISTING AGGREGATE DRIVEWAYS.

NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR THIS REQUIREMENT BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE PAY ITEM FOR THE AGGREGATE AS SPECIFIED ON THE PLANS.

TRANSITION PAYMENT METHOD - NEW/OLD CONSTRUCTION

THREE METER (3 m) (10 FT.) TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.

ENGINEER'S 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.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Mixture Use(s):	Polymer Surface Course (PekIn to Spgfld Road)	Polymer Surface Course (Sprgfld Rd through Tremont)	Level Binder 3/4"	Cl D Patches (If needed)	HMA Shoulder (Surface Lift)	Incidental Surface Course
AC/PG:	SBS or SBR 70-22	SBS or SBR 70-22	SBS or SBR 70-22	PG 64-22	PG 64-22	PG 64-22
RAP% (Max): **	10%	10%	10%	25%	15%	15%
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	3.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50
Mixture Compositio (Gradation Mixture)	IL 9.5 or IL12.5	IL 9.5 or IL12.5	IL 4.75	IL 19.0	IL 9.5 or 12.5	IL 9.5 or IL12.5
Friction Aggregate	Mixture E	Mixture D	N.A.	N.A.	Mixture C	Mixture C

** IF THE RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED; THIS WILL BE DETERMINED BY THE ENGINEER.

JOB SPECIFIC NOTES

TREMONT WORK TIME RESTRICTION: NO WORK SHALL BE ALLOWED IN THE CITY OF TREMONT BETWEEN 6/7/10 AND 6/14/10 DURING TURKEY FESTIVAL

SIDERoadS: MILLING AND RESURFACING LIMITS NEED TO BE VERIFIED BY THE ENGINEER PRIOR TO EACH OPERATION.

PAVEMENT MARKING "NO PASSING ZONE": PRIOR TO PLACING ANY CENTERLINE STRIPING, CONTACT THE DISTRICT BUREAU OF OPERATIONS FOR VERIFYING "NO PASSING ZONE" LOCATIONS.

FILE NAME = 66468 Phase II.dgn	USER NAME = jacobsm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS AND GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 300.0000' / IN.	DRAWN -	REVISED -			693	11SR5-5, 11RS-7	TAZEWELL	36	3
	PLOT DATE = 3/17/2010	CHECKED -	REVISED -		SHEET NO. 2 OF 2 SHEETS	CONTRACT NO. 68460				
						ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	1000 URBAN 100% STATE	1000 RURAL 100% STATE	URBAN Y025 CITY OF TREMONT 50% STATE 50% CITY	Y031-1F TRAFF SIG 100% STATE	Y031-1F TRAFF SIG 90% STATE 10% CITY
40600215	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	TON	70	22	48			
40600300	AGGREGATE (PRIME COAT)	TON	414	132	282			
40600826	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	5292	1,470	3,822			
40600895	CONSTRUCTING TEST STRIP	EACH	1	1				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	654	283	371			
40600990	TEMPORARY RAMP	SQ YD	985	572	413			
40603535	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50	TON	3,743		3,743			
40603560	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N50	TON	7,870	2,940	4,930			
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	74		74			
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	51,496		51,496			
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	87,035	44,112	42,923			
44003100	MEDIAN REMOVAL	SQ FT	9,308		9,308			
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	1,379		1,379			
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	1,789	1,680	109			
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	1,185	544	641			
48101200	AGGREGATE SHOULDERS, TYPE B	TON	3,690	321	3,369			
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1,412	1,048	364			
60621600	CONCRETE MEDIAN, TYPE SM	SQ FT	9,308		9,308			
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3		3			
63304385	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 1	EACH	3		3			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	1	5			
67100100	MOBILIZATION	L SUM	1	0.2	0.8			
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.2	0.8			
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.2	0.8			

*SPECIALTY ITEM

FILE NAME = 68460 Phase II.dgn	USER NAME = jacobsmr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			693	115RS-5, 118RS-7	TAZEWELL	36	4	
		CHECKED -	REVISED -			CONTRACT NO. 68460					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	1000 URBAN 100% STATE	1000 RURAL 100% STATE	URBAN Y025 CITY OF TREMONT 50% STATE 50% CITY	Y031-1F TRAFF SIG 100% STATE	Y031-1F TRAFF SIG 90% STATE 10% CITY
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.2	0.8			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.3			0.7	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	24,076	12,596	11,480			
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	820	681	139			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	108,596	16,488	92,108			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	2,551	2,363	188			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	4,190	3,397	793			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1,148	409	739			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	440	408	32			
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2,007	1,050	957			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	785	286	499			
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	3		3			
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	3		3			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	785	286	499			
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	926				926	
* 88600100	DETECTOR LOOP, TYPE I	FOOT	2,928	2,928				
* 89502105	REBUILD EXISTING SIGNAL HEAD, LED	EACH	8				8	
* 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1				1	
X0301512	GUARDRAIL AGGREGATE EROSION CONTROL	TON	15		15			
X0322729	MATERIAL TRANSFER DEVICE	TON	11,311	2,940	8,371			
* X0323336	SIGNAL LED FACE RETROFIT, RED BALL	EACH	8					8
* X0323337	SIGNAL LED FACE RETROFIT, GREEN BALL	EACH	8					8
* X0323418	SIGNAL LED FACE RETROFIT, YELLOW BALL	EACH	8					8
* X0326101	BOND TRAFFIC SIGNAL STRUCTURE	EACH	17				17	

*SPECIALTY ITEM

FILE NAME = 68460 Phase II.dgn

USER NAME = jacobsmr
 PLOT SCALE = 1/8" = 100.0000' / IN.
 PLOT DATE = 2/1/2010

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

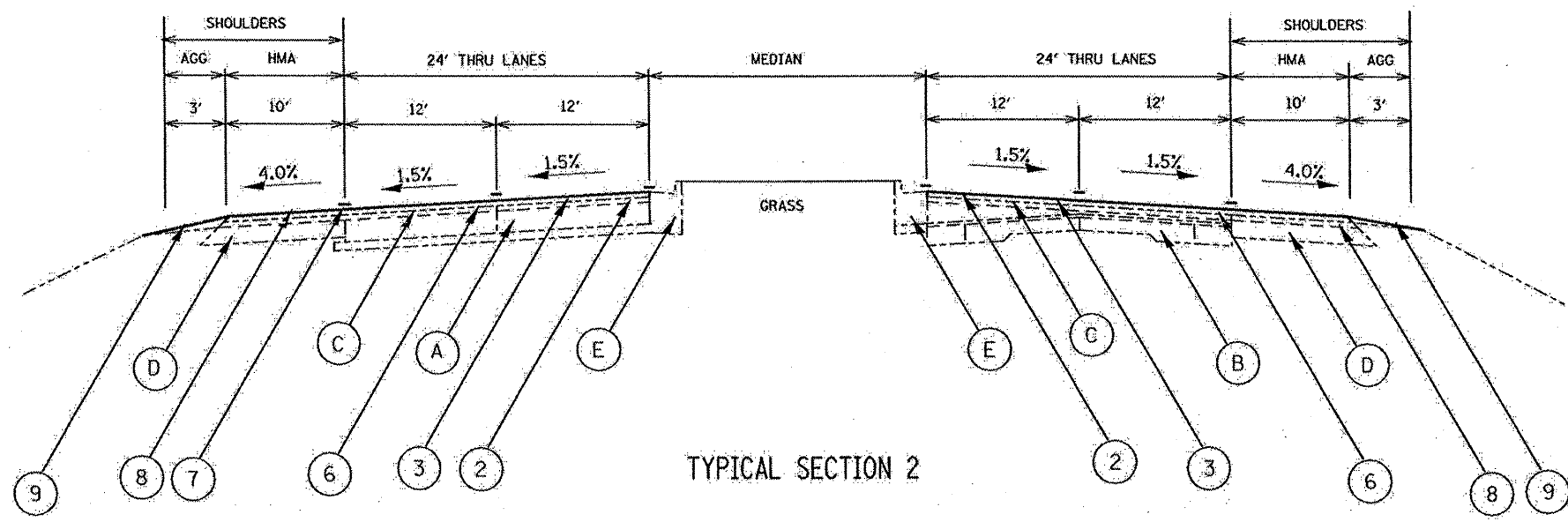
SHEET NO. 2 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	115RS-5, 118RS-7	TAZEWELL	36	5
CONTRACT NO. 68460				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	1000 URBAN 100% STATE	1000 RURAL 100% STATE	URBAN Y025 CITY OF TREMONT 50% STATE 50% CITY	Y031-1F TRAFF SIG 100% STATE	Y031-1F TRAFF SIG 90% STATE 10% CITY
X0326851	ADJUST EXISTING DETECTOR LOOP RISER	EACH	16	16				
X2503100	MOWING	UNIT	695	139	556			
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	56	28	28			
* X7800600	URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS, SPECIAL	SQ FT	820	681	139			
* X7800610	URETHANE PAVEMENT MARKING - LINE 4"	FOOT	109,163	16,488	92,675			
* X7800630	URETHANE PAVEMENT MARKING - LINE 6"	FOOT	2,751	2,363	388			
* X7800640	URETHANE PAVEMENT MARKING - LINE 8"	FOOT	4,269	3,476	793			
* X7800650	URETHANE PAVEMENT MARKING - LINE 12"	FOOT	1,310	409	901			
* X7800680	URETHANE PAVEMENT MARKING - LINE 24"	FOOT	440	408	32			
* X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	523				523	
XZ013798	CONSTRUCTION STATION LAYOUT	L SUM	1	0.2	0.8			

* SPECIALTY ITEM



TYPICAL SECTION 2
STA. 128+00 TO 135+00

LEGEND - EXISTING

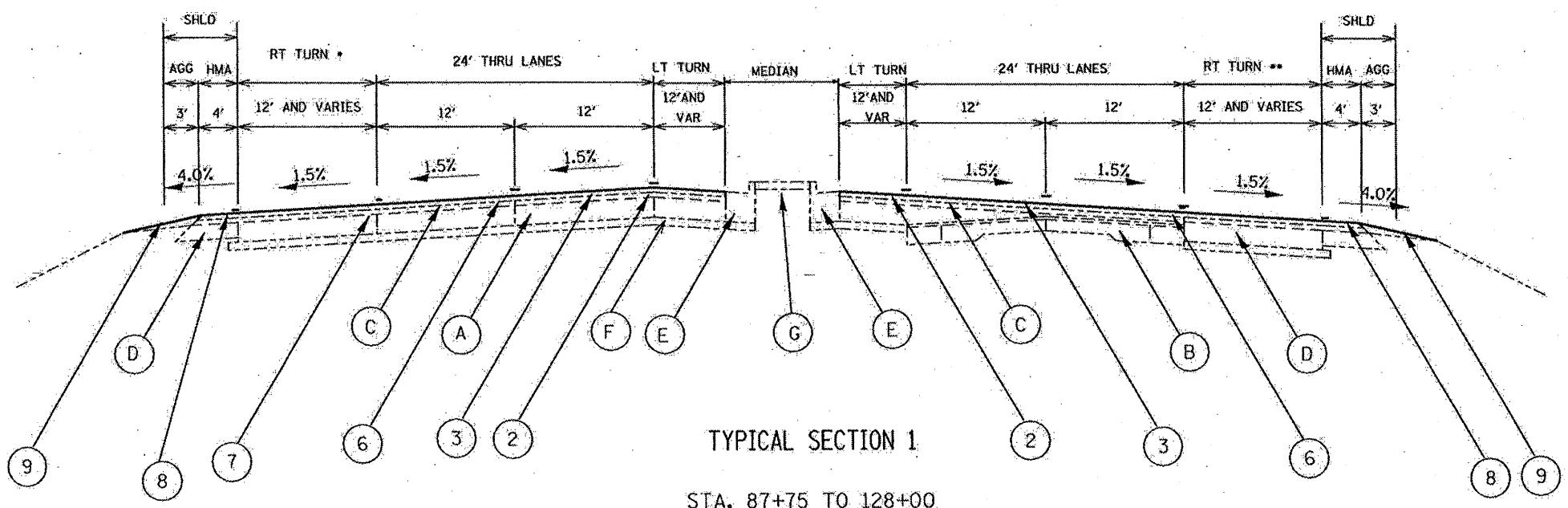
- (A) PCC PAVEMENT - 10"
- (B) PCC PAVEMENT = 9"-6"-9"
- (C) HMA OVERLAYS (VARIES 3"-5")
- (D) STABILIZED SHOULDER - 8" AND VAR.
- (E) CCC&G B6.24
- (F) STABILIZED SUB-BASE - 4"
- (G) CONCRETE MEDIAN SURFACE - 4"

LEGEND - PROPOSED

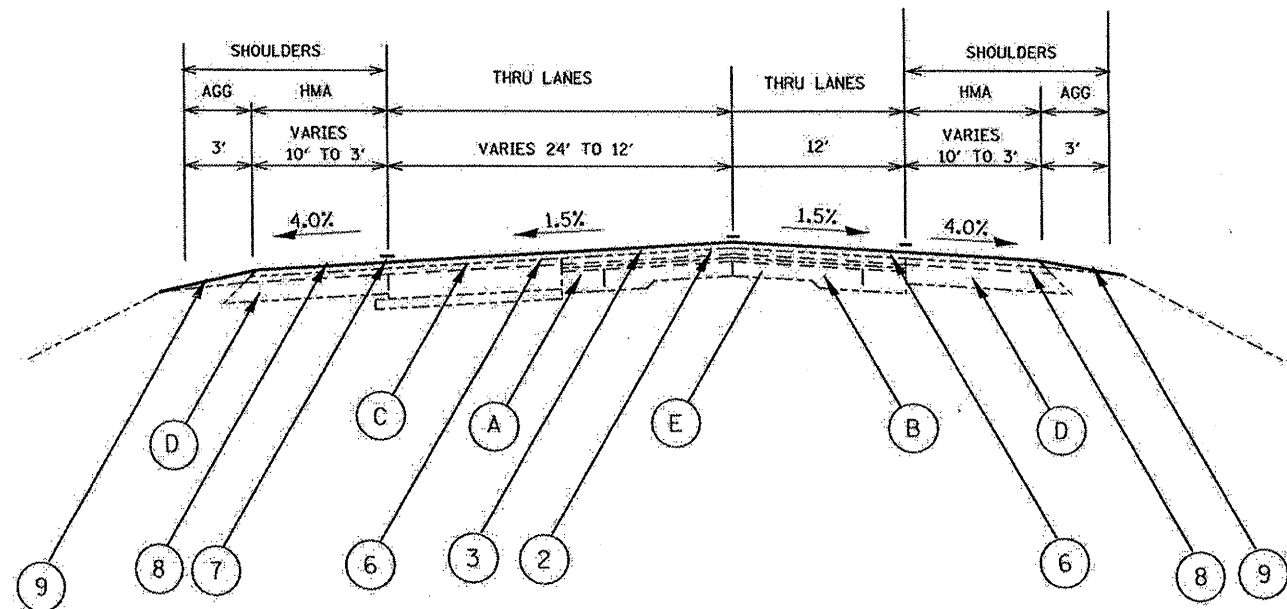
- (1) HMA SURFACE REMOVAL, 1 1/2"
- (2) HMA SURFACE REMOVAL, 2"
- (3) LEVELING BINDER (MM), IL-4.75, N50 3/4"
- (4) HMA SURFACE COURSE, MIX "D", N50 1 1/2"
- (5) HMA SURFACE COURSE, MIX "D", N50 2 1/4"
- (6) HMA SURFACE COURSE, MIX "E", N50 1 1/2"
- (7) EPOXY PAVEMENT MARKING
- (8) HMA SHOULDERS
- (9) AGGREGATE SHOULDER, TYPE 'B'

* STA 99+75 TO 103+00
STA 124+00 TO 128+00

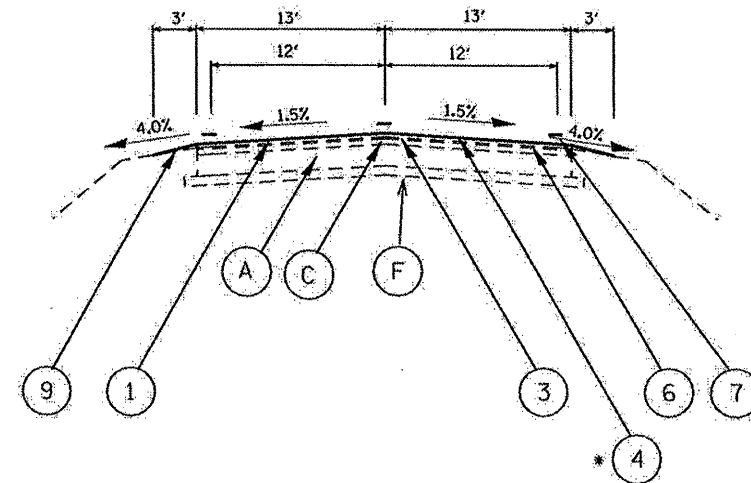
** STA 108+50 TO 119+00
STA 120+60 TO 122+50



TYPICAL SECTION 1
STA. 87+75 TO 128+00



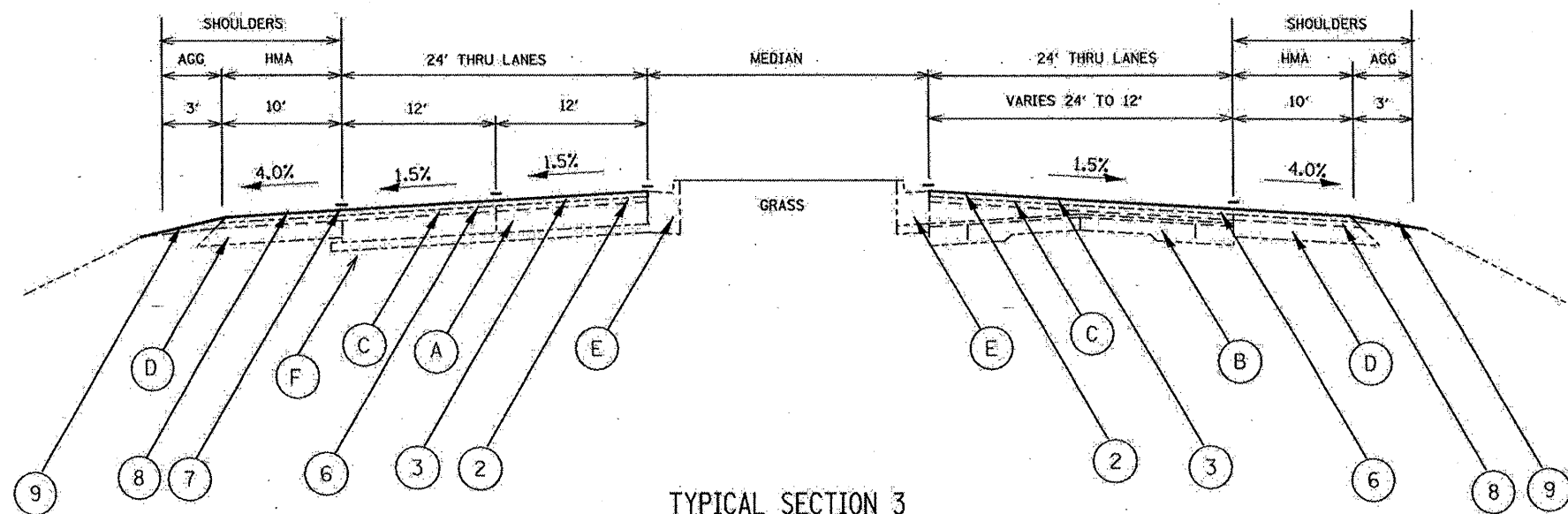
TYPICAL SECTION 4
STA. 142+60 TO 148+00



TYPICAL SECTION 5
STA 148+00 TO 153+00
STA 273+00 TO 298+00
*STA 316+00 TO 331+44
*STA 345+19 TO 358+00

LEGEND - EXISTING

- Ⓐ PCC PAVEMENT - 10"
- Ⓑ PCC PAVEMENT = 9"-6"-9"
- Ⓒ HMA OVERLAYS (VARIES 3"-5")
- Ⓓ STABILIZED SHOULDER - 8" AND VAR.
- Ⓔ CCC&G B6,24
- Ⓕ STABILIZED SUB-BASE - 4"
- Ⓖ CONCRETE MEDIAN SURFACE - 4"



TYPICAL SECTION 3
STA. 135+00 TO 142+60

LEGEND - PROPOSED

- ① HMA SURFACE REMOVAL, 1 1/2"
- ② HMA SURFACE REMOVAL, 2"
- ③ LEVELING BINDER (MM), IL-4.75, N50 3/4"
- ④ HMA SURFACE COURSE, MIX "D", N50 1 1/2"
- ⑤ HMA SURFACE COURSE, MIX "D", N50 2 1/4"
- ⑥ HMA SURFACE COURSE, MIX "E", N50 1 1/2"
- ⑦ EPOXY PAVEMENT MARKING
- ⑧ HMA SHOULDERS
- ⑨ AGGREGATE SHOULDER, TYPE B

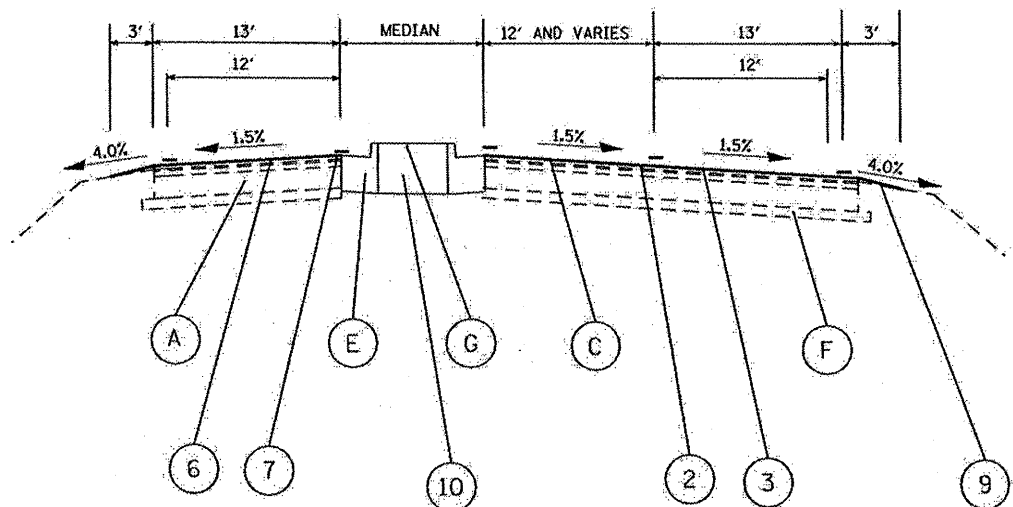
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		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

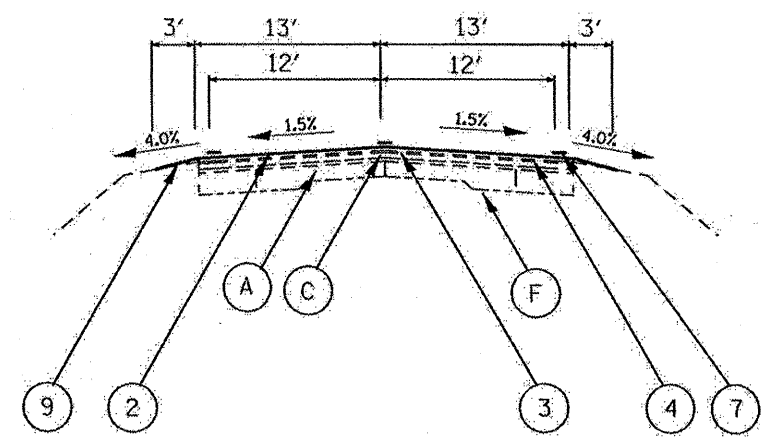
TYPICAL SECTIONS

NOT TO SCALE SHEET NO. 2 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	115RS-5, 118RS-7	TAZENELL	36	8
CONTRACT NO. 68460				
ILLINOIS FED. AID PROJECT				



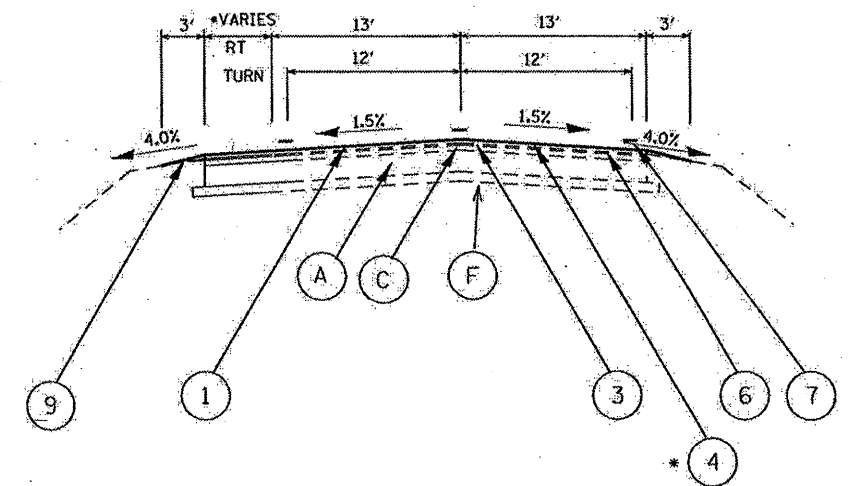
TYPICAL SECTION 8
STA. 298+00 TO 316+00



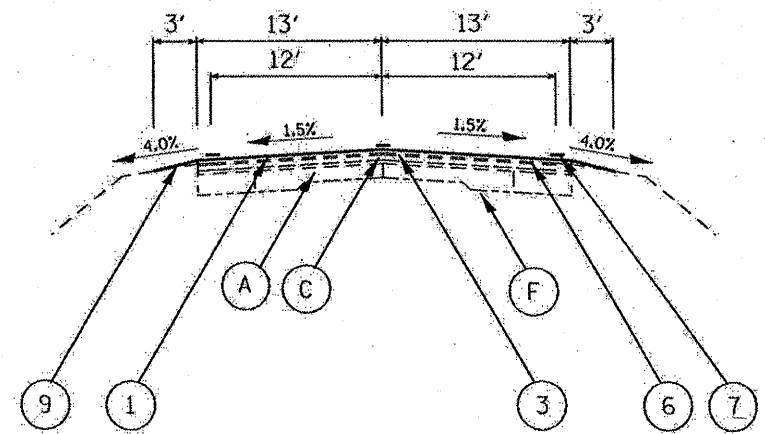
TYPICAL SECTION 9
STA 358+00 TO 359+50
STA 360+41 TO 409+13

LEGEND - EXISTING

- (A) PCC PAVEMENT - 10"
- (B) PCC PAVEMENT - 9"-6"-9"
- (C) HMA OVERLAYS (VARIES 3"-5")
- (D) STABILIZED SHOULDER - 8" AND VAR.
- (E) CCC&G B6.24
- (F) STABILIZED SUB-BASE - 4"
- (G) CONCRETE MEDIAN SURFACE - 4"



TYPICAL SECTION 6
STA. 331+44 TO 345+19
*SURFACE ONLY FOR PROPOSED TURN LANE



TYPICAL SECTION 7
STA 153+00 TO 273+00

LEGEND - PROPOSED

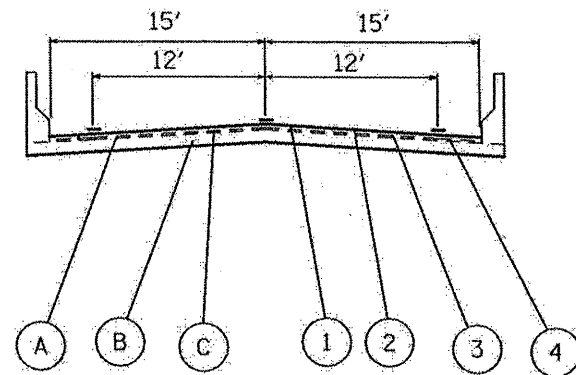
- (1) HMA SURFACE REMOVAL, 1 1/2"
- (2) HMA SURFACE REMOVAL, 2"
- (3) LEVELING BINDER (MM), IL-4.75, N50 3/4"
- (4) HMA SURFACE COURSE, MIX "D", N50 1 1/2"
- (5) HMA SURFACE COURSE, MIX "D", N50 2 1/4"
- (6) HMA SURFACE COURSE, MIX "E", N50 1 1/2"
- (7) EPOXY PAVEMENT MARKING
- (8) HMA SHOULDERS
- (9) AGGREGATE SHOULDER, TYPE B
- (10) MEDIAN, TYPE SM 4.24

FILE NAME = 68460 Phase 11TYPICALS.dgn	USER NAME = jacobsmr	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
NOT TO SCALE SHEET NO. 3 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	115RS-5, 118RS-7	TAZEWELL	36	9
CONTRACT NO. 68460			ILLINOIS FED. AID PROJECT	



TYPICAL SECTION 10

SN 090-0060 IL 9 OVER DILLION CREEK
ST 359+50 TO 360+41

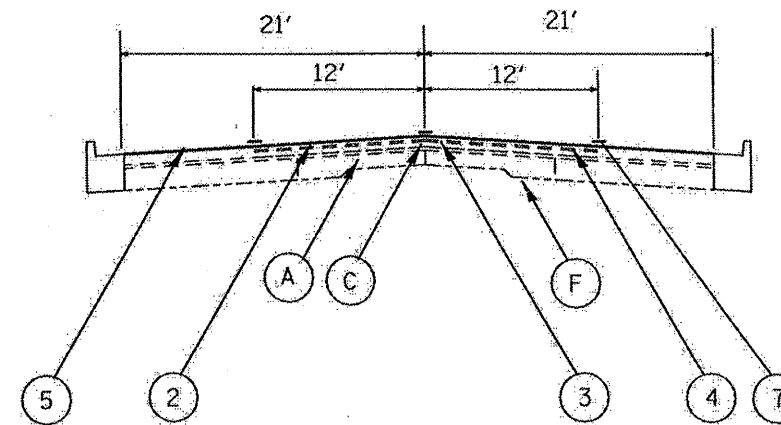
LEGEND - SN 090-0060

EXISTING

- (A) EXISTING HMA OVERLAY - 3"
- (B) EXISTING BRIDGE DECK
- (C) EXISTING WATERPROOF MEMBRANE

PROPOSED

- (1) HMA SURFACE REMOVAL, 2 1/4"
- (2) LEVELING BINDER (MM), IL-4.75, N50 3/4"
- (3) HMA SURFACE COURSE, MIX "D", N50 1 1/2"
- (4) EPOXY PAVEMENT MARKING

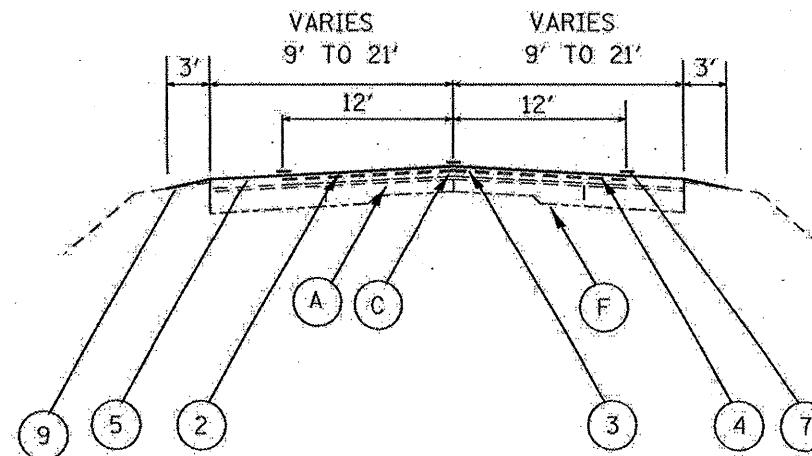


TYPICAL SECTION 11

STA 412+34 TO 435+00
(TREMONT)

LEGEND - EXISTING

- (A) PCC PAVEMENT - 10"
- (B) PCC PAVEMENT = 9"-6"-9"
- (C) HMA OVERLAYS (VARIES 3"-5")
- (D) STABILIZED SHOULDER - 8" AND VAR.
- (E) CCC&G B6.24
- (F) STABILIZED SUB-BASE - 4"
- (G) CONCRETE MEDIAN SURFACE - 4"



TYPICAL SECTION 11

STA 409+13 TO 412+32

LEGEND - PROPOSED

- (1) HMA SURFACE REMOVAL, 1 1/2"
- (2) HMA SURFACE REMOVAL, 2"
- (3) LEVELING BINDER (MM), IL-4.75, N50 3/4"
- (4) HMA SURFACE COURSE, MIX "D", N50 1 1/2"
- (5) HMA SURFACE COURSE, MIX "D", N50 2 1/4"
- (6) HMA SURFACE COURSE, MIX "E", N50 1 1/2"
- (7) EPOXY PAVEMENT MARKING
- (8) HMA SHOULDERS
- (9) AGGREGATE SHOULDER, TYPE B

FILE NAME =	USER NAME = jacobsmr	DESIGNED -	REVISED -
6846B Phase II TYPICALS.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

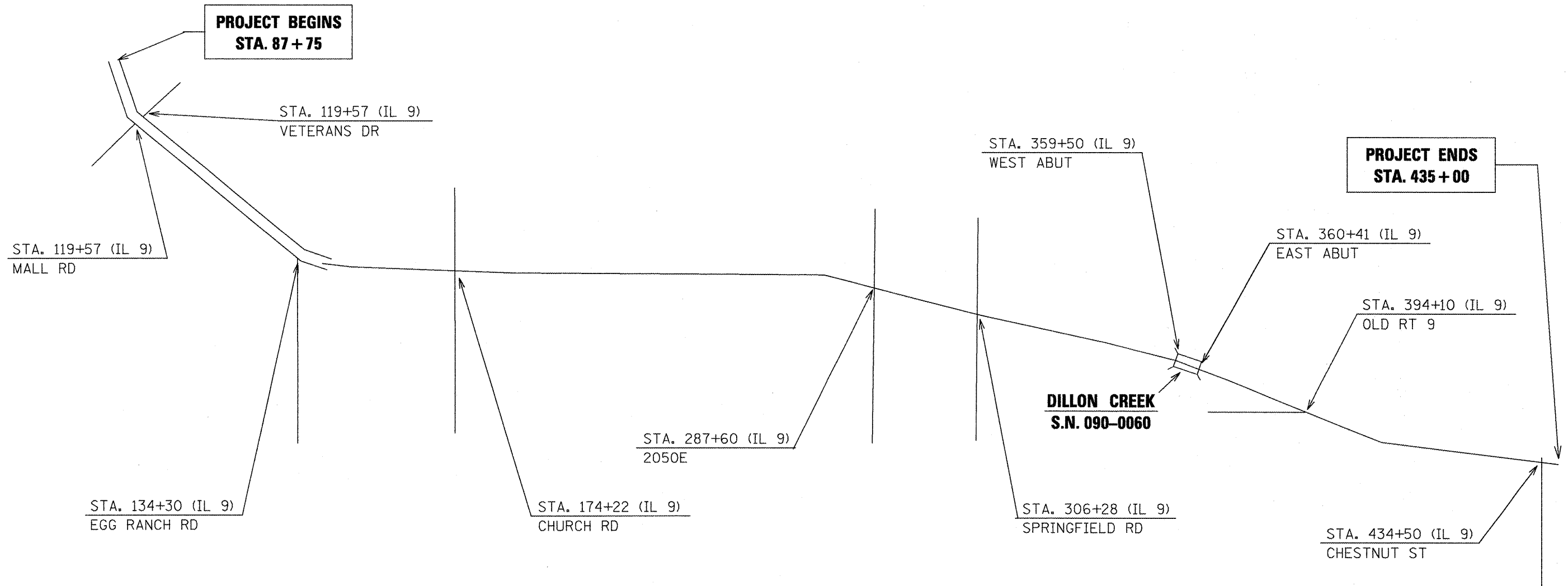
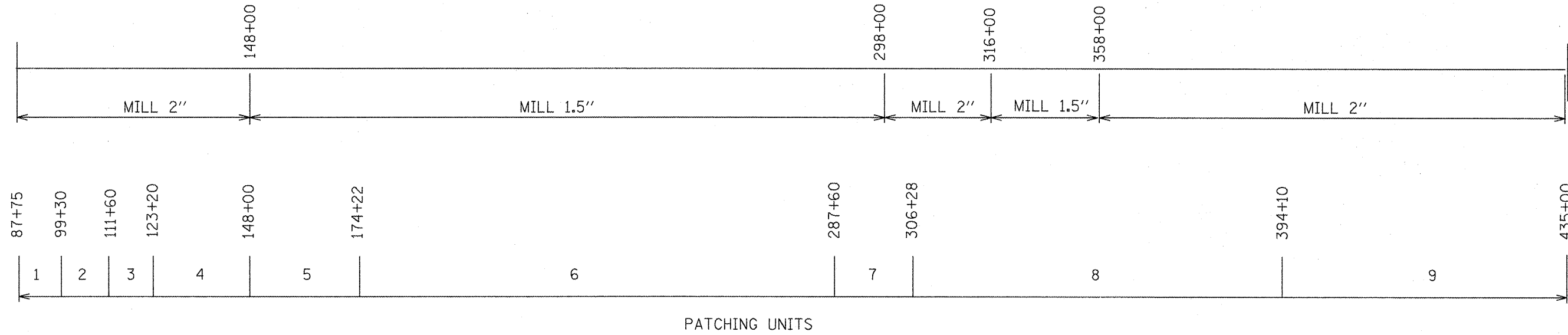
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

NOT TO SCALE SHEET NO. 4 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	118RS-5, 118RS-7	TAZEWELL	36	10
				CONTRACT NO. 68460
[ILLINOIS] FED. AID PROJECT				

PROJECT :
STA. 87 + 75.00 TO STA. 435 + 00.00



FILE NAME = 68460 Phase II.dgn

USER NAME = jacobsmr
PLOT SCALE = 100,0000' / IN.
PLOT DATE = 2/1/2018

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LINE DIAGRAM

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

F.A.P. RTE. 693	SECTION 115RS-5, 118RS-7	COUNTY TAZEWELL	TOTAL SHEETS 36	SHEET NO. 11
CONTRACT NO. 68460				
ILLINOIS FED. AID PROJECT				

TABULATION OF RESURFACING QUANTITIES

LOCATION	HMA SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP	HMA SURFACE REMOVAL, 1 1/2 IN	HMA SURFACE REMOVAL, 2 IN	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)		AGGREGATE (PRIME COAT)		POLYMERIZED HMA SURFACE COURSE, MIX "E", N50	POLYMERIZED HMA SURFACE COURSE, MIX "D", N50	POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50	HMA SHOULDERS	AGGREGATE SHOULDERS, TYPE B
					COLD-MILLED	FOG COAT	COLD-MILLED	FOG COAT					
					TON		TON						
MAINLINE													
STA. 87+75.00 TO STA. 135+00.00	88.89	438.89		41,998.60	16.80	5.04	84.00	42.00	2761.79		1380.89	1047.88	538.65
STA. 135+00.00 TO STA. 142+60.00				5,544.70	2.22	0.67	11.09	5.54	507.12		253.56	212.80	86.64
STA. 142+60.00 TO STA. 148+00.00				3,381.40	1.35	0.41	6.76	3.38	363.24		91.62	151.20	61.56
STA. 148+00.00 TO STA. 298+00.00			43,335.00		17.33	5.20	86.67	43.34	3640.14		1820.07		1710.00
STA. 298+00.00 TO STA. 316+00.00				7,118.40	2.85	0.85	14.24	7.12	597.95		298.97		205.20
STA. 316+00.00 TO STA. 331+44.00			4,461.00		1.80	0.50	8.90	4.40		374.64	187.32		170.00
STA. 331+44.00 TO STA. 345+19.00			BY OTHERS		BY OTHERS	0.70	BY OTHERS	6.10		562.00	BY OTHERS		185.00
STA. 345+19.00 TO STA. 358+00.00			3,700.00		0.50	0.40	7.40	3.70		310.90	155.42		124.20
STA. 358+00.00 TO STA. 359+48.00	28.89	14.44		427.56	0.17	0.05	0.86	0.43		35.91	17.96		16.87
STA. 359+48.00 TO STA. 360+41.00	STRUCTURE OMISSION												
STA. 360+41.00 TO STA. 409+12.00	28.89	14.44		14,071.78	5.63	1.69	28.14	14.07		1182.03	591.01		555.29
STA. 409+12.00 TO STA. 412+33.00				1,212.70	0.49	0.15	2.43	1.21		389.34	50.93		36.59
STA. 412+33.00 TO STA. 435+00.00	46.67	23.33		10,579.00	4.23	1.27	21.16	10.58		888.64	444.32		
SUB-TOTAL	193.33	491.11	51,496.00	84,334.13	53.36	16.92	271.64	141.87	7,870.24	3,743.46	5,292.10	1,411.88	3,690.00
TOTAL	193	491	51,496	84,334	70		414		7,870	3,743	5,292	1,412	3,690

SCHEDULE OF SIDE ROADS

LOCATION	HMA SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP	HMA SURFACE REMOVAL, 2 IN	POLYMERIZED BIT. MATERIALS (PRIME COAT)	AGGREGATE PRIME COAT	INCIDENTAL HMA SURFACING	POLYMERIZED HMA SURFACE COURSE, MIX "E", N50	POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50
SIDE ROADS:								
RT. STA. 123+18.00 MALL DR.	111.11	55.56	562.20	0.29	1.69		47.22	23.61
LT. STA. 123+35.00 VETERANS DR.	83.33	41.67	1,551.00	0.81	4.65		130.28	65.14
LT. STA. 134+30.00 EGG RANCH RD.		36.11						
LT./RT. STA. 174+22.00 CHURCH RD.	133.33	72.22	293.34			36.96		
LT./RT. STA. 287+60.00 2050 E.	133.33	72.22	293.34			36.96		
LT./RT. STA. 306+28.00 SRPINGFIELD RD.		216.67					80.56	
LT. STA. 340+00.00 ACCESS RD.								
SUBTOTAL	461.11	494.44	2,699.88	1.10	6.34	73.92	258.07	88.75
TOTAL	461	494	2,700	1	6	74	258	89

CLASS D PATCH - 13 IN

PATCHING UNIT	LOCATION		TYPE II	TYPE III	TYPE IV
			SQ YD	SQ YD	SQ YD
1	STA. 87+75.00	TO STA. 99+30.00		464.00	133.40
2	STA. 99+30.00	TO STA. 111+60.00		549.20	133.40
3	STA. 111+60.00	TO STA. 123+20.00		512.00	277.60
4	STA. 123+20.00	TO STA. 148+00.00		154.60	
5	STA. 148+00.00	TO STA. 174+22.00	197.20		
6	STA. 174+22.00	TO STA. 287+60.00	260.80		
7	STA. 287+60.00	TO STA. 306+28.00	87.00	34.60	
8	STA. 306+28.00	TO STA. 394+10.00	510.20		
9	STA. 394+10.00	TO STA. 435+00.00	324.00	74.60	641.40
SUB-TOTAL			1,379.20	1,789.00	1,185.80
TOTAL			1,379	1,789	1,186

CONCRETE MEDIAN SCHEDULE

LOCATION	MEDIAN REMOVAL	CONCRETE MEDIAN, TY SM
	SQ FT	SQ FT
STA. 302+86 TO STA. 305+88	2,231.10	2,231.10
STA. 306+68 TO STA. 312+49	7,076.60	7,076.60
TOTAL	9,308	9,308

GUARDRAIL SCHEDULE

LOCATION	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 1	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL MARKERS, TYPE A	GUARDRAIL AGGREGATE EROSION CONTROL
	EACH	EACH	EACH	EACH	TON
MAINLINE					
RT. STA. 358+50.00	1	1	1	1	5.07
LT. STA. 361+40.00	1	1	1	1	5.07
RT. STA. 361+40.00	1	1	1	1	5.07
TOTAL	3	3	3	3	15

PRIME COAT CONVERSION FACTORS

SURFACE TYPE	BIT PR COAT	AGG PR COAT
	(GAL/SQ YD)	(LB/SQ YD)
COLD MILLED SURFACES	0.1	4
EXISTING PAVEMENT	0.05	4
NEW HMA COURSES	0.03	2

HMA & AGGREGATE CONVERSION FACTORS

SURFACE TYPE	LB	TON
	SQ YD IN	CU YD
HMA COURSES	112	2.016
COARSE AGGREGATE	114	2.05
FINE AGGREGATE		1.5

MOBILIZATION

LOCATION	L SUM
IL 9	1
TOTAL	1

ENGINEER'S FIELD OFFICE, TYPE A

LOCATION	CAL MO
IL 9	6
TOTAL	6

MATERIAL TRANSFER DEVICE

LOCATION	TON
HMA SURFACE CSE ONLY	11,310
TOTAL	11,310

URETHANE PAVEMENT MARKING SCHEDULE											
LOCATION		LETTERS AND SYMBOLS	LINE 4"		LINE 6"	LINE 8"	LINE 12"		LINE 24"	RAISED REFLECTIVE PAVEMENT MARKER	
			WHITE	WHITE	YELLOW	WHITE	WHITE	WHITE	YELLOW	WHITE	TWO-WAY
		SQ FT	FT		FT	FT	FT		FT	EACH	
STA. 87+75.00	TO STA. 135+00.00	681.20	8,492	7,996	2,363	3,476	408.81		408.00		286
STA. 135+00.00	TO STA. 142+50.00		1,513	2,450	188						49
STA. 142+50.00	TO STA. 146+85.00		877	2,020				313.20			25
STA. 146+85.00	TO STA. 300+00.00	62.40	30,380	15,315						192	
STA. 300+00.00	TO STA. 304+98.00		1,261	1,568				95.30			19
STA. 304+98.00	TO STA. 312+49.00		1,474	751		172					5
STA. 312+49.00	TO STA. 315+12.00		516	1,294				74.90			
STA. 315+12.00	TO STA. 331+44.00		3,203	1,632						21	
STA. 331+44.00	TO STA. 339+80.00	76.50	1,641	3,024		302		195.80			38
STA. 339+80.00	TO STA. 340+15.00		69	35			95.90		32.00		
STA. 340+15.00	TO STA. 345+19.00		989	2,013		319		125.80			7
STA. 345+19.00	TO STA. 412+63.00		13,340	6,744						85	
STA. 412+63.00	TO STA. 435+00.00			567	200					57	
SUB-TOTAL		820.10	63,754	45,409	2,751	4,269	505	805	440.00	356	429
TOTAL		820	109,163	45,409	2,751	4,269	1,310	805	440	356	429

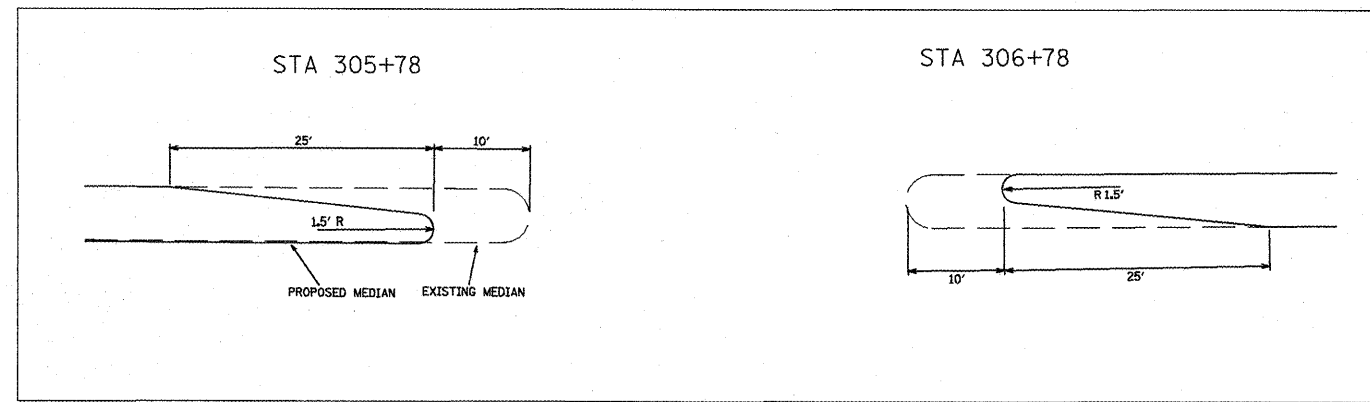
NOTE: PRIOR TO PLACING CENTERLINE STRIPING, CONTACT THE DISTRICT BUREAU OF OPERATIONS FOR A "NO PASSING ZONE" EVALUATION

CHANGEABLE MESSAGE SIGN		
LOCATION	NO. SIGNS	CAL DA
PEKIN	1	28
TREMONT	1	28
TOTAL		56

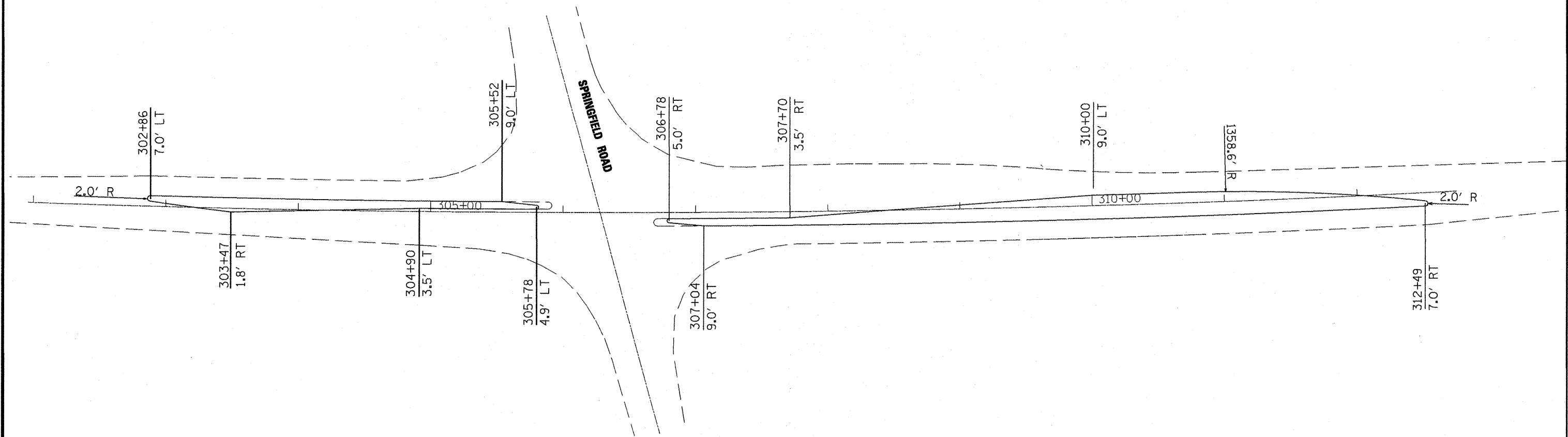
TRAFFIC CONTROL AND PROTECTION					
LOCATION	STD. 701201	STD. 701306	STD. 701336	STD. 701406	STD. 701601
	L SUM	L SUM	L SUM	L SUM	L SUM
IL 9	1	1	1	1	1
TOTAL	1	1	1	1	1

NOTES:

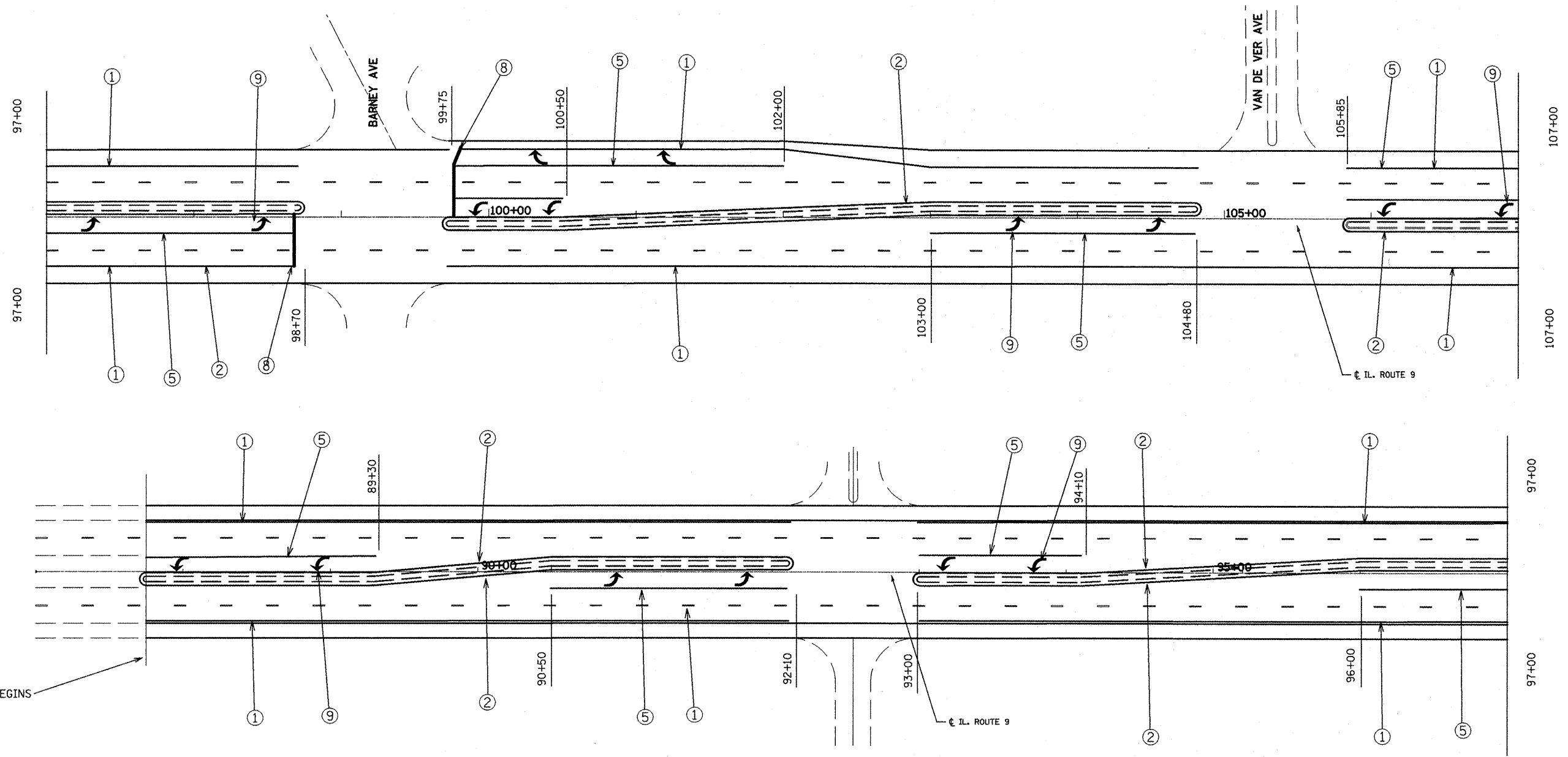
- REFER TO STANDARD 606301 (SM 4.24)
- PRIOR TO REMOVAL OF EXISTING MEDIAN, A FULL DEPTH SAW CUT WILL BE REQUIRED THE LENGTH OF THE EXISTING MEDIAN AND WILL BE INCLUDED IN THE COST OF MEDIAN REMOVAL
- REMOVE AND REPLACE ON EXISTING STATIONS, (STATIONS AND OFFSETS ARE SHOWN FOR GENERAL REFERENCE ONLY).
- MEDIAN NOSES AT STATIONS 305+78 AND 307+04 SHALL BE RELOCATED 10 FEET FROM ORIGINAL LOCATION. ADDITIONAL PCC BASECOURSE IN THESE AREAS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR CONCRETE MEDIANS.
- REFER TO DETAIL A FOR PROPOSED RAMP NOSE CONFIGURATION.
- UTILIZE TRAFFIC CONTROL STANDARD 701502-02.



DETAIL A

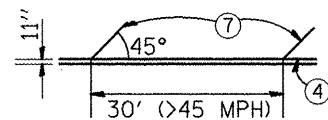


FILE NAME = 68460 Phase II.dgn	USER NAME = jacobsmr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MEDIAN DETAIL	F.A.P. RTE. 693	SECTION 115RS-5, 118RS-7	COUNTY TAZEWELL	TOTAL SHEETS 36	SHEET NO. 15	
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	NOT TO SCALE			SHEET NO. OF SHEETS	CONTRACT NO. 68460		ILLINOIS FED. AID PROJECT		
PLOT DATE = 2/1/2010	DATE -	REVISED -									



PAVEMENT MARKING LEGEND

- ① LINE 4" (WHITE)
- ② LINE 4" (YELLOW)
- ③ LINE 4" (DOUBLE YELLOW)
- ④ LINE 6" (WHITE)
- ⑤ LINE 8" (WHITE)
- ⑥ LINE 12" (CHEVRON & DIAGONAL WHITE)
- ⑦ LINE 12" (CHEVRON & DIAGONAL YELLOW)
- ⑧ LINE 24" (STOP BAR)
- ⑨ LETTERS AND SYMBOLS



FILE NAME = 68468 Phase II.dgn

USER NAME = jacobson

DESIGNED -

REVISED -

DRAWN -

REVISED -

CHECKED -

REVISED -

DATE -

REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS /IL 9 PEKIN

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

F.A.P.
RTE.
693

SECTION
115RS-5, 118RS-7

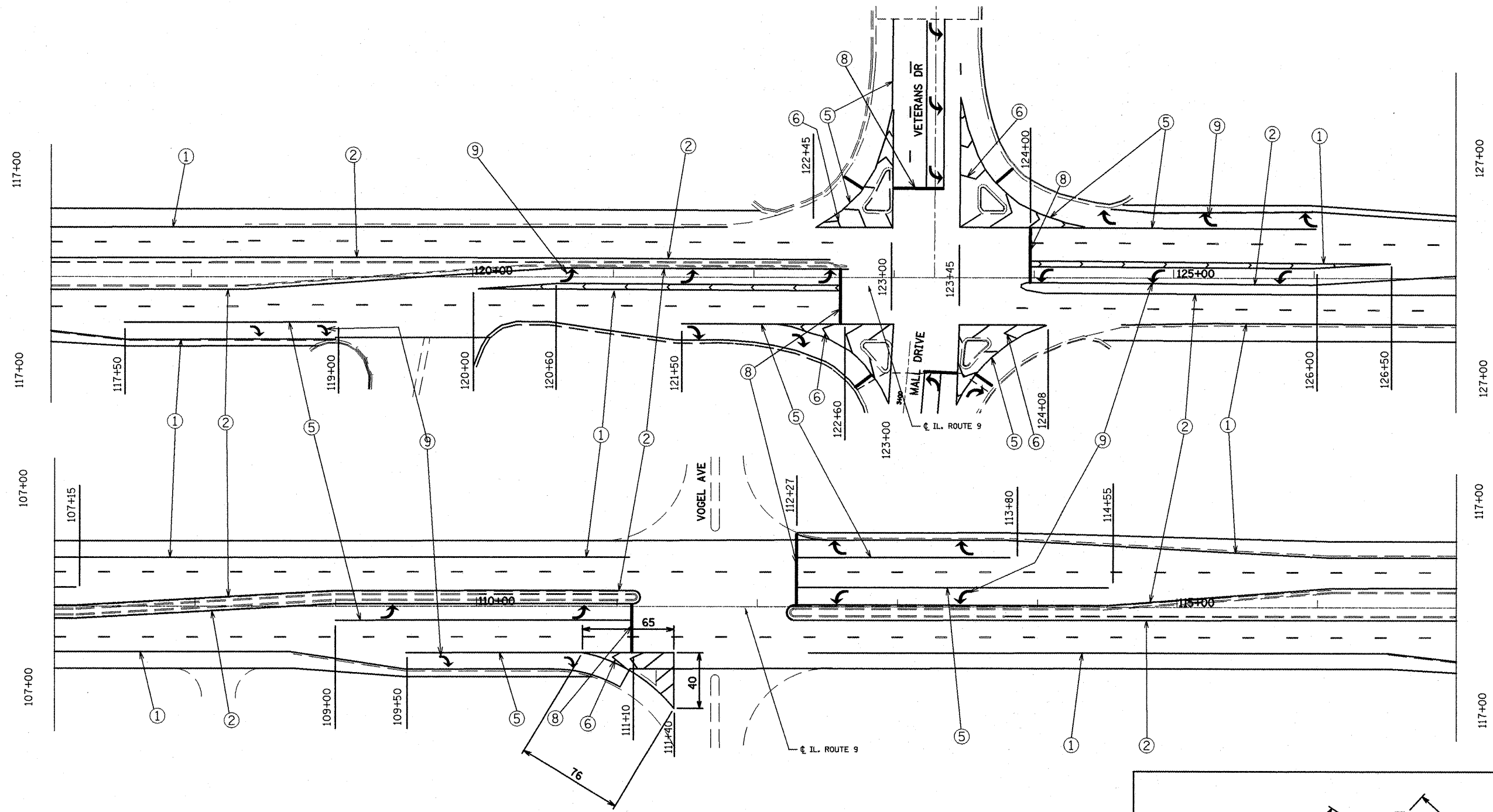
COUNTY
TAZEWELL

TOTAL SHEETS
36

SHEET NO.
16

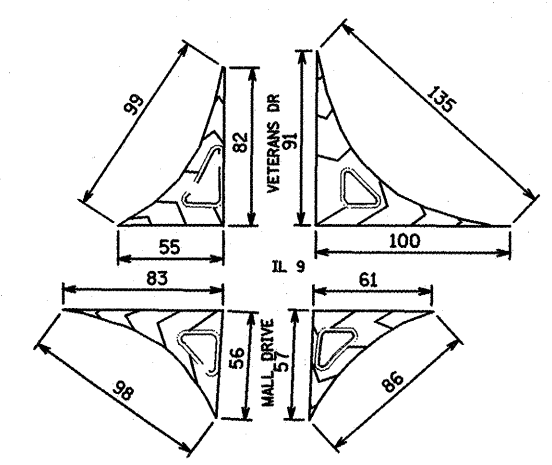
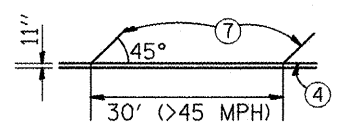
CONTRACT NO. 68460

ILLINOIS FED. AID PROJECT



PAVEMENT MARKING LEGEND

- ① LINE 4" (WHITE)
- ② LINE 4" (YELLOW)
- ③ LINE 4" (DOUBLE YELLOW)
- ④ LINE 6" (WHITE)
- ⑤ LINE 8" (WHITE)
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- ⑧ LINE 24" (STOP BAR)
- ⑨ LETTERS AND SYMBOLS



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS /IL 9 PEKIN

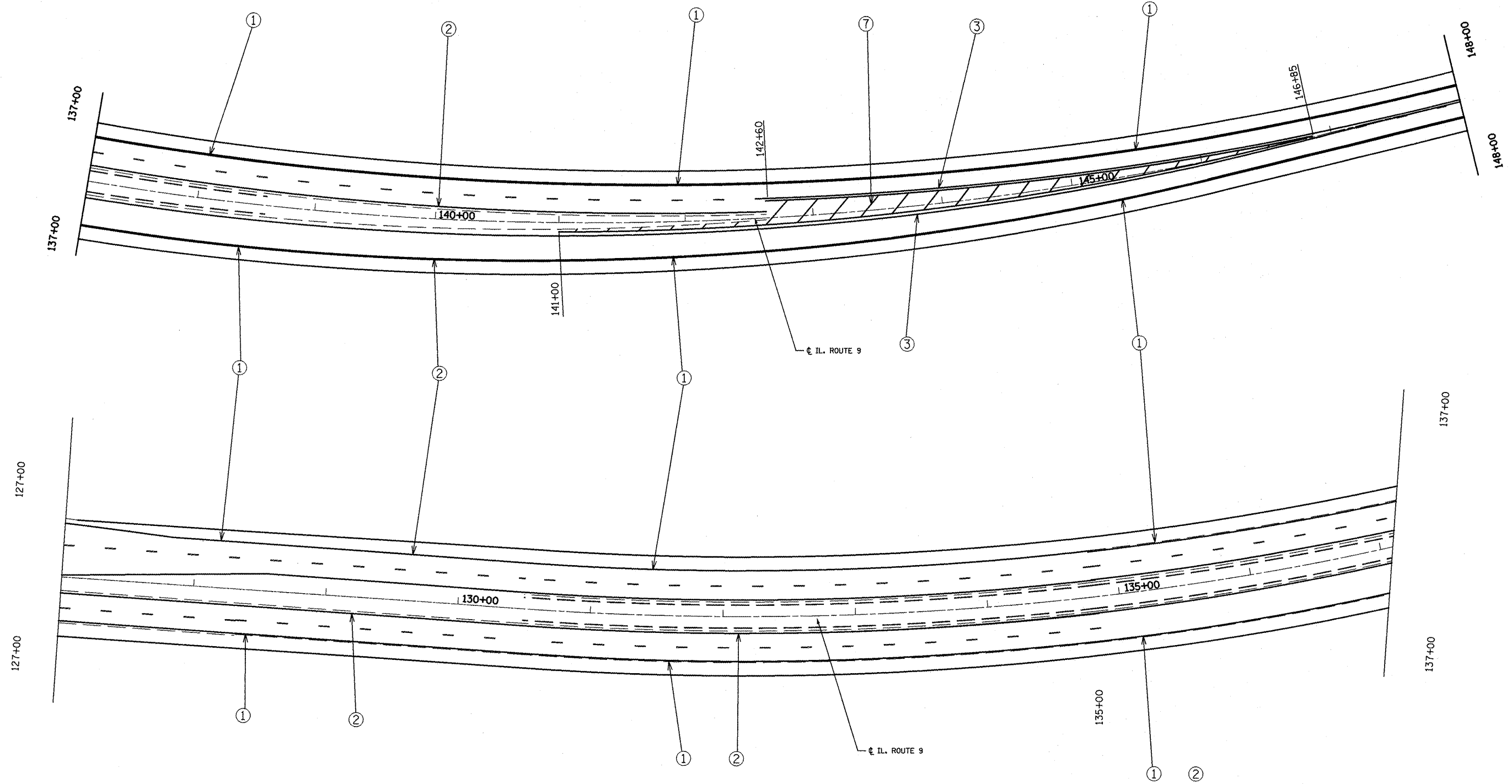
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USER NAME = jacobsmr
DESIGNED -
DRAWN -
PLOT SCALE = 100.0000' / IN.
CHECKED -
PLOT DATE = 2/1/2010
DATE -

REVISOR -
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REVISED -

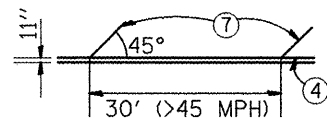
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 693	SECTION 115RS-5, 118RS-7	COUNTY TAZEWELL	TOTAL SHEETS 36	SHEET NO. 17
CONTRACT NO. 68460				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- ① LINE 4" (WHITE)
- ② LINE 4" (YELLOW)
- ③ LINE 4" (DOUBLE YELLOW)
- ④ LINE 6" (WHITE)
- ⑤ LINE 8" (WHITE)
- ⑥ LINE 12" (CHEVRON & DIAGONAL WHITE)
- ⑦ LINE 12" (CHEVRON & DIAGONAL YELLOW)
- ⑧ LINE 24" (STOP BAR)
- ⑨ LETTERS AND SYMBOLS

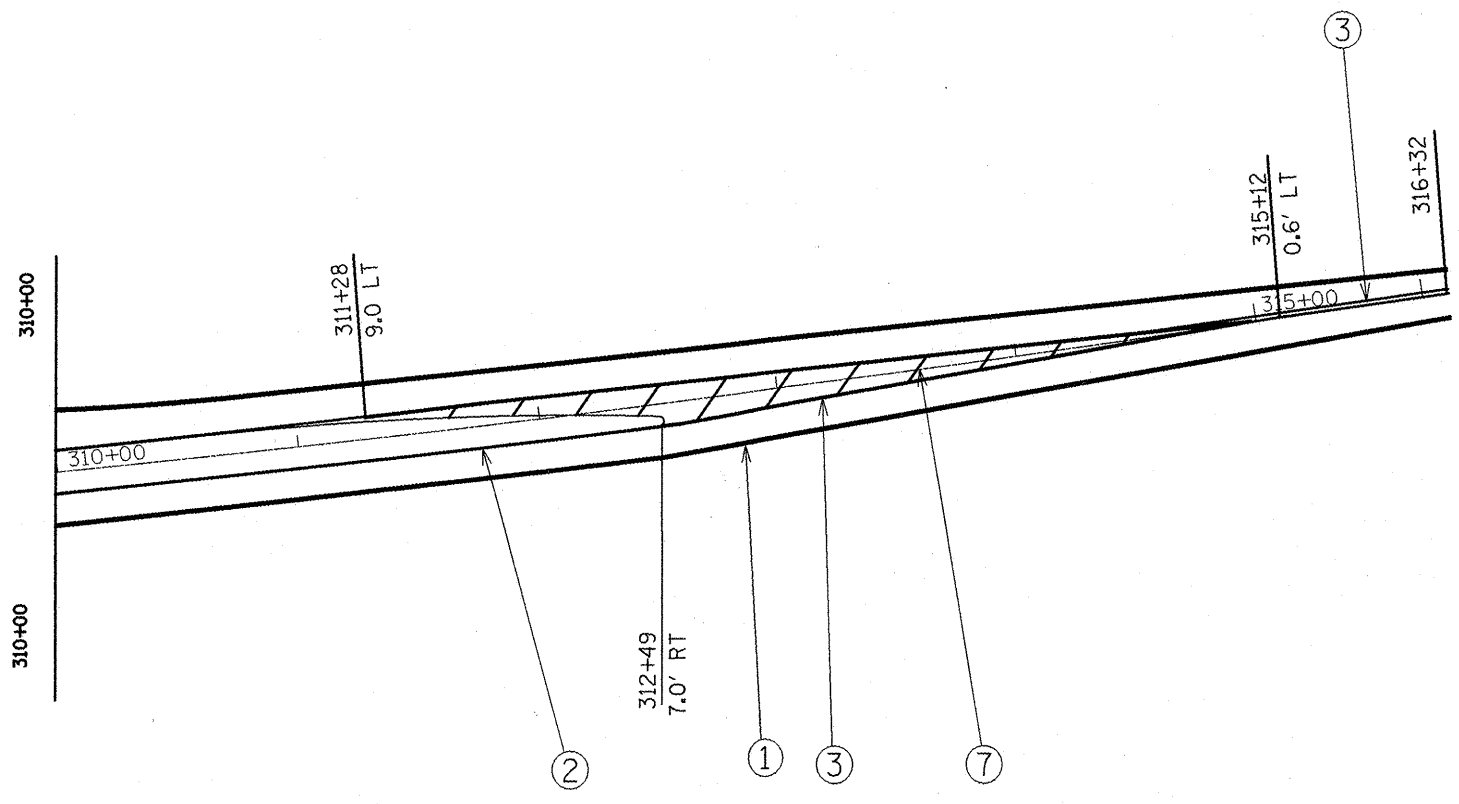
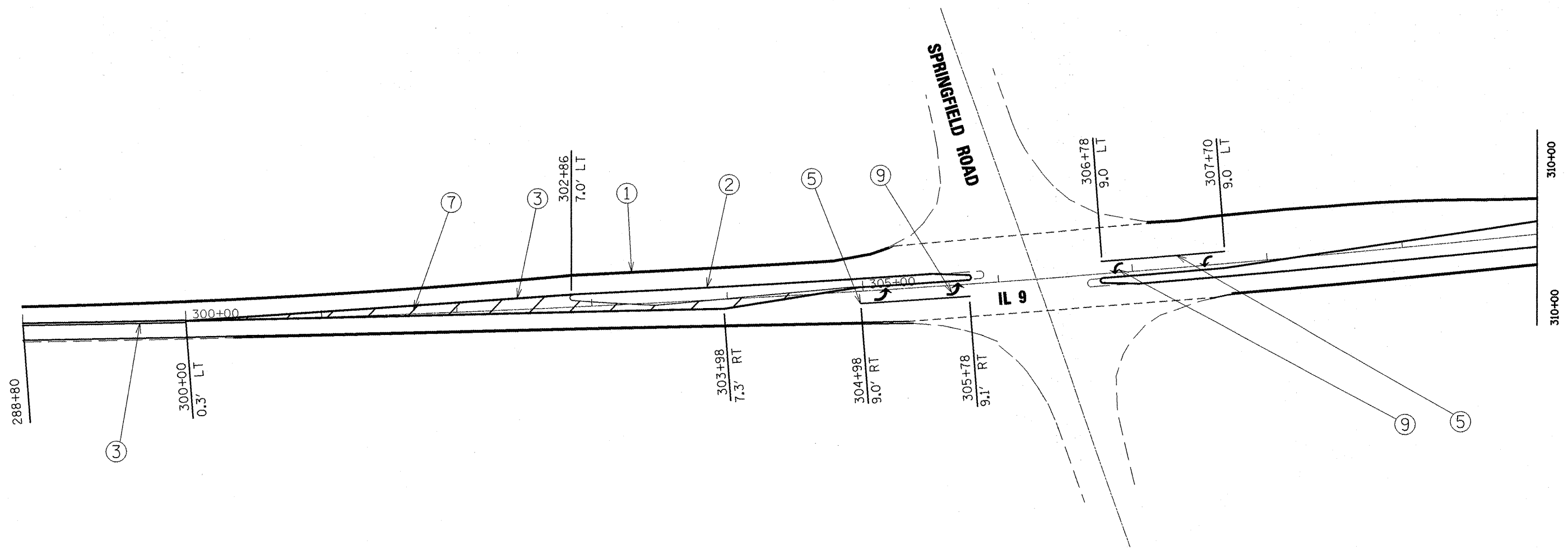


FILE NAME = 68460 Phase II.dgn	USER NAME = jacobsmr	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

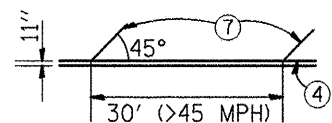
PAVEMENT MARKINGS /IL 9 PEKIN			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	115RS-5, 118RS-7	TAZEWELL	36	18
CONTRACT NO. 68460				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- ① LINE 4" (WHITE)
- ② LINE 4" (YELLOW)
- ③ LINE 4" (DOUBLE YELLOW)
- ④ LINE 6" (WHITE)
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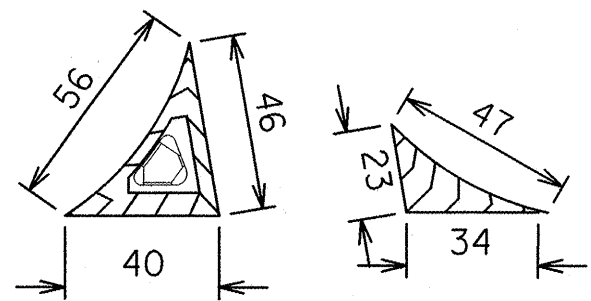
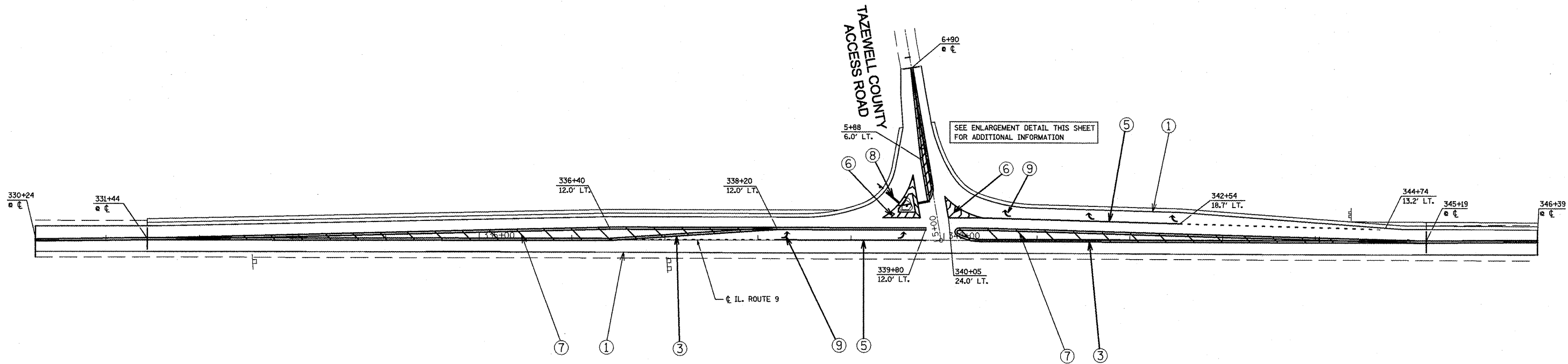
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		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

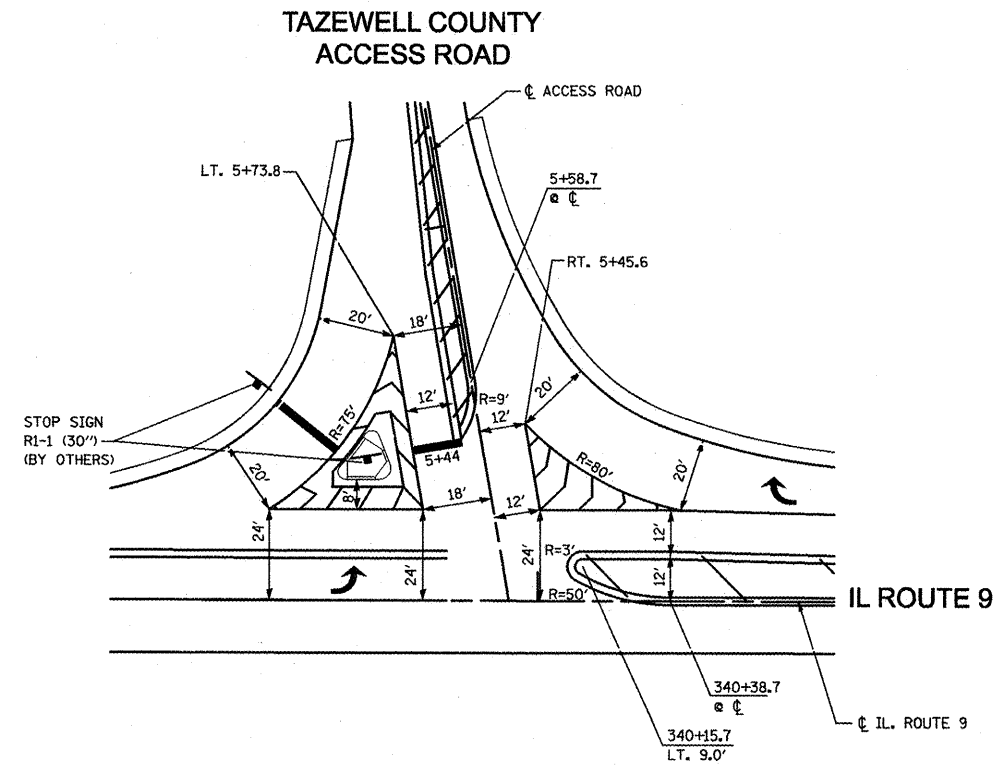
PAVEMENT MARKINGS /IL 9 - SPRINGFIELD RD

SCALE: SHEET NO. 1 OF SHEETS STA. 87+75.00 TO STA. 435+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	115RS-5, 118RS-7	TAZEWELL	36	19
CONTRACT NO. 68460				
ILLINOIS FED. AID PROJECT				



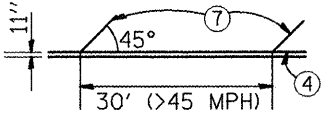
ISLAND DIMENSION DETAIL



ENLARGEMENT DETAIL

PAVEMENT MARKING LEGEND

- ① LINE 4" (WHITE)
- ② LINE 4" (YELLOW)
- ③ LINE 4" (DOUBLE YELLOW)
- ④ LINE 6" (WHITE)
- ⑤ LINE 8" (WHITE)
- ⑥ LINE 12" (CHEVRON & DIAGONAL WHITE)
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- ⑧ LINE 24" (STOP BAR)
- ⑨ LETTERS AND SYMBOLS



FILE NAME = 68460 Phase II.dgn	USER NAME = jacobsmr	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS /IL 9 - ACCESS RD

SCALE: SHEET NO. 1 OF SHEETS STA. 87+75.00 TO STA. 435+00.00

F.A.P. RTE. 693	SECTION 115RS-5, 118RS-7	COUNTY TAZEWELL	TOTAL SHEETS 36	SHEET NO. 20
CONTRACT NO. 68460				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL SCHEDULE OF QUANTITIES					
ITEM DESCRIPTION	UNIT	TOTAL	IL (COURT ST.) & BARNEY AVE	IL 9 (COURT ST.) & MALL ENTRANCE	IL 9 (COURT ST.) & VETERANS/MALL
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	926.0			926.0
DETECTOR LOOP, TYPE I	FOOT	2928.0	526.0	836.0	1566.0
REBUILD EXISTING SIGNAL HEAD, LED	EACH	8.0			8.0
MODIFY EXISTING CONTROLLER CABINET	EACH	1.0			1.0
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	523.0	390.5		132.5
LED SIGNAL FACE RETROFIT, RED BALL	EACH	8.0			8.0
LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	8.0			8.0
LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	8.0			8.0
BOND TRAFFIC SIGNAL STRUCTURE	EACH	17.0	9.0		8.0
ADJUST EXISTING DETECTOR LOOP RISER	EACH	16.0	4.0	6.0	6.0

DETECTOR LOOP INSTALLATION - CONSTRUCTION NOTES
1. DETECTOR LOOP REPLACEMENT QUANTITIES ARE ESTIMATED. THE CONTRACTOR SHALL ONLY REPLACE THE DETECTOR LOOPS THAT ARE DAMAGED BY THE MILLING PROCESS.
2. A TYPE II SPLICE SHALL BE USED FOR ALL DETECTOR LEAD-INS.
3. ALL DETECTOR LOOPS SHALL BE PLACED BACK INTO THEIR ORIGINAL LOCATIONS. ALL DETECTOR LOOPS SHALL BE INSTALLED IN THE CENTER OF THEIR RESPECTIVE TRAVEL LANES.
4. THE PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE MILLED SURFACE OR LEVELING BINDER COURSE BEFORE THE FINAL OVERLAY.
5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC, RANDY LANINGA, AT (309) 671-4477 FORTY-EIGHT HOURS PRIOR TO BEGINNING MILLING OR PATCHING OPERATIONS.
6. THESE ITEMS SHALL BE INCLUDED IN THE BID PRICE FOR DETECTOR LOOP, TYPE I PAY ITEM. THERE WILL BE NO ADDITIONAL COMPENSATION.

CONSTRUCTION NOTES
1. ANY MAINTENANCE OF EXISTING TRAFFIC SIGNALS WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
2. THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
4. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
5. ALL LOOP RISERS AFFECTED BY THE MILLING OPERATIONS SHALL BE REFLECTED THROUGH THE NEW SURFACE AND ALL LOOP RISERS SHALL BE CHIPPED OUT AND FILLED WITH EPOXY. THIS WORK WILL BE PAID FOR UNDER THE PAY ITEM FOR "ADJUST EXISTING DETECTOR LOOP RISER".
6. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
7. THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER AND MAINTAIN A 16 FT. MINIMUM CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY.
8. ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE ALUMINUM WITH A NATURAL FINISH.
9. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.
10. ALL TRAFFIC SIGNAL STRUCTURES SHALL BE BONDED IN ACCORDANCE WITH NEC REQUIREMENTS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "BOND TRAFFIC SIGNAL STRUCTURE" AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS (INCLUDING CLAMPS, HARDWARE, ELECTRICAL CABLE, AND ALL OTHER ITEMS REQUIRED TO BOND THE STRUCTURES).
11. A FIVE FOOT PIECE OF GREEN INSULATED #6 1/C XLP-USE CABLE SHALL BE USED TO CONNECT THE HANDHOLE LID TO THE FRAME. THE COST OF THIS WIRE SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR "BOND TRAFFIC SIGNAL STRUCTURE".
12. THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.
13. ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
14. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
15. THE COST OF REMOVING THE EXISTING TRAFFIC SIGNAL ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EACH OF THE PROPOSED ITEMS.

TRAFFIC SIGNALS - SHEET 1 OF 3

FILE NAME = 68460 Phase II.dgn	USER NAME = jacobsmr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TRAFFIC SIGNALS SCHEDULE OF QUANTITIES AND CONSTRUCTION NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			693	115RS-5, 118RS-7	TAZENWELL	36	21	
		CHECKED -	REVISED -			CONTRACT NO. 68460					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					NOT TO SCALE	SHEET NO. 1 OF 7 SHEETS					

DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE - IL 9 (COURT ST.) & BARNEY AVE.						
DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.	ASSIGNED PHASE	ADJUST LOOP RISER	COMMENTS
D-1	6' X 50' QUAD	162	30	1	1	IL 9 WESTBOUND LEFT TURN LANE (INTO DEVELOPMENT)
D-2A	6' X 6'	24	15	2	1	IL 9 EASTBOUND (LEFT LANE)
D-2B	6' X 6'	24	8	2		IL 9 EASTBOUND (RIGHT LANE)
D-5	6' X 50' QUAD	162	30	5	1	IL 9 EASTBOUND LEFT TURN LANE (ONTO BARNEY)
D-6A	6' X 6'	24	15	6	1	IL 9 WESTBOUND (LEFT LANE)
D-6B	6' X 6'	24	8	6		IL 9 WESTBOUND (RIGHT LANE)
TOTAL:		420	106		4	

DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE - IL 9 (COURT ST.) & MALL ENTRANCE						
DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.	ASSIGNED PHASE	ADJUST LOOP RISER	COMMENTS
D-1	6' X 50' QUAD	162	8	1	1	IL 9 WESTBOUND LEFT TURN LANE (INTO PEKIN MALL)
D-2A	6' X 6'	24	15	2	1	IL 9 EASTBOUND (LEFT LANE)
D-2B	6' X 6'	24	8	2		IL 9 EASTBOUND (RIGHT LANE)
D-5	6' X 50' QUAD	162	8	5	1	IL 9 EASTBOUND LEFT TURN LANE (INTO RETAIL DEVELOPMENT)
D-6A	6' X 6'	24	15	6	1	IL 9 WESTBOUND (LEFT LANE)
D-6B	6' X 6'	24	8	6		IL 9 WESTBOUND (RIGHT LANE)
D-7	6' X 50' QUAD	162	15	7	1	MALL ENTRANCE APPROACH
D-8	6' X 50' QUAD	162	15	8	1	RETAIL DEVELOPMENT ENTRANCE APPROACH
TOTAL:		744	92		6	

STRUCTURES TO BE SAFETY BONDED IL 9 (COURT) & BARNEY AVE.			
DOUBLE HANDHOLE	HANDHOLE (STD OR HD)	MAST ARM	SERVICE RISER
	4	4	1
NOTE: ONLY HANDHOLES WITH LINE VOLTAGE CONDUCTORS SHALL BE GROUNDED. DETECTOR LOOP AND TRAFFIC SIGNAL INTERCONNECT HANDHOLES WILL			

SCHEDULE OF QUANTITIES IL 9 (COURT ST.) & BARNEY AVE. IL 9 (COURT ST.) & MALL ENTRANCE		
DETECTOR LOOP, TYPE I	FOOT	1362.0
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	390.5
BOND TRAFFIC SIGNAL STRUCTURE	EACH	9.0
ADJUST EXISTING DETECTOR LOOP RISER	EACH	10.0

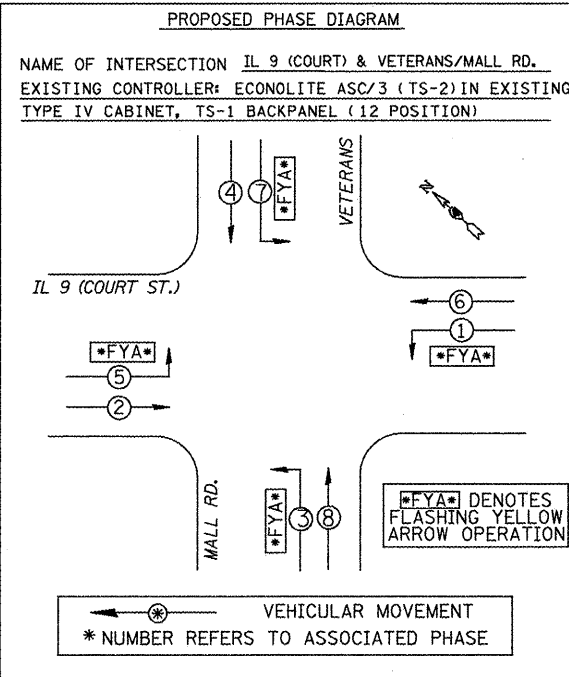
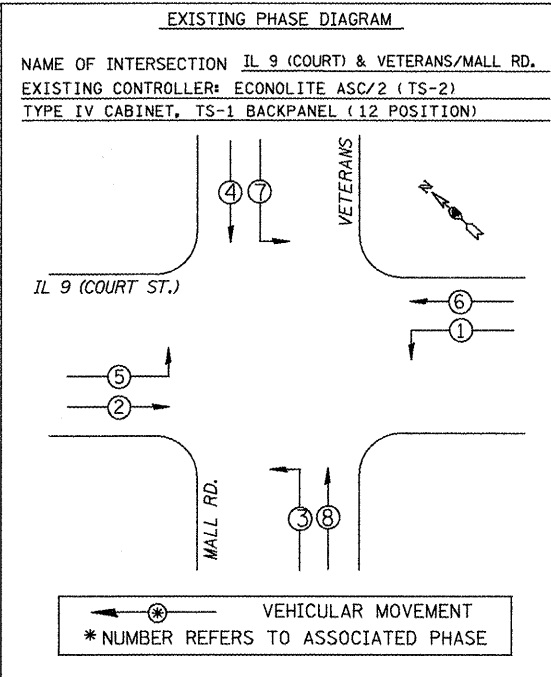
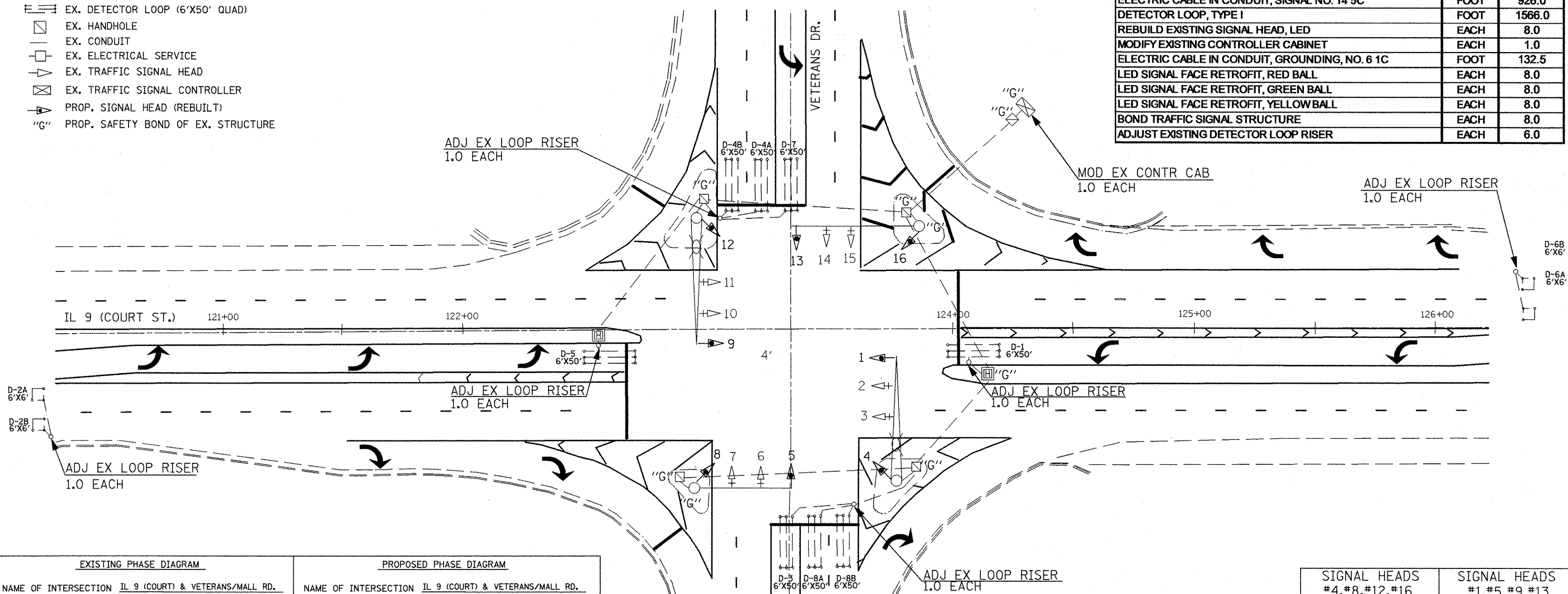
TRAFFIC SIGNALS - SHEET 2 OF 3

FILE NAME = 68460 Phase II.dgn	USER NAME = jacobsmr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TRAFFIC SIGNALS IL 9 (COURT ST.) @ BARNEY AVE. & MALL ENTRANCE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			693	115RS-5, 118RS-7	TAZEWELL	36	22	
		CHECKED -	REVISED -			CONTRACT NO. 68460					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					NOT TO SCALE	SHEET NO. 1 OF 7 SHEETS					

TRAFFIC SIGNAL LEGEND

- EX. DETECTOR LOOP (6'X6')
- ▤ EX. DETECTOR LOOP (6'X50' QUAD)
- EX. HANDHOLE
- EX. CONDUIT
- EX. ELECTRICAL SERVICE
- ▷ EX. TRAFFIC SIGNAL HEAD
- ◻ EX. TRAFFIC SIGNAL CONTROLLER
- ▷ PROP. SIGNAL HEAD (REBUILT)
- "G" PROP. SAFETY BOND OF EX. STRUCTURE

SCHEDULE OF QUANTITIES IL 9 (COURT ST.) & VETERANS DR./MALL RD.		
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	926.0
DETECTOR LOOP, TYPE I	FOOT	1566.0
REBUILD EXISTING SIGNAL HEAD, LED	EACH	8.0
MODIFY EXISTING CONTROLLER CABINET	EACH	1.0
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	132.5
LED SIGNAL FACE RETROFIT, RED BALL	EACH	8.0
LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	8.0
LED SIGNAL FACE RETROFIT, YELLOWBALL	EACH	8.0
BOND TRAFFIC SIGNAL STRUCTURE	EACH	8.0
ADJUST EXISTING DETECTOR LOOP RISER	EACH	6.0



**STRUCTURES TO BE SAFETY BONDED
 IL 9 (COURT) & VETERANS DR./MALL RD.**

DOUBLE HANDHOLE	HANDHOLE (STD OR HD)	MAST ARM	SERVICE RISER
	6	2	

NOTE: ONLY HANDHOLES WITH LINE VOLTAGE CONDUCTORS SHALL BE GROUNDED. DETECTOR LOOP AND TRAFFIC SIGNAL INTERCONNECT HANDHOLES WILL

**DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE
 IL 9 (COURT ST.) & VETERANS DR.**

DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.	ASSIGNED PHASE
D-1	6' X 50' QUAD	162	8	1
D-2A	6' X 6'	24	15	2
D-2B	6' X 6'	24	8	2
D-3	6' X 50' QUAD	162	30	3
D-4A	6' X 50' QUAD	162	18	4
D-4B	6' X 50' QUAD	162	8	4
D-5	6' X 50' QUAD	162	8	5
D-6A	6' X 6'	24	15	6
D-6B	6' X 6'	24	8	6
D-7	6' X 50' QUAD	162	30	7
D-8A	6' X 50' QUAD	162	18	8
D-8B	6' X 50' QUAD	162	8	8
TOTAL:		1392	174	

SIGNAL HEADS #4, #8, #12, #16 (BM)		SIGNAL HEADS #1, #5, #9, #13 (MAM)	
EX.	PROP.	EX.	PROP.
7	7	7	7
R	R	R	R
Y	Y	Y	Y
G	Y	G	Y
Y	G	Y	G
G		G	

INSTALL NEW 5/C CABLE FOR HEADS #2, #6, #10, #14 JUMPER HEADS ON SAME MAST ARMS

FILE NAME = 68460 Phase II.dgn	USER NAME = jacobsmr	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

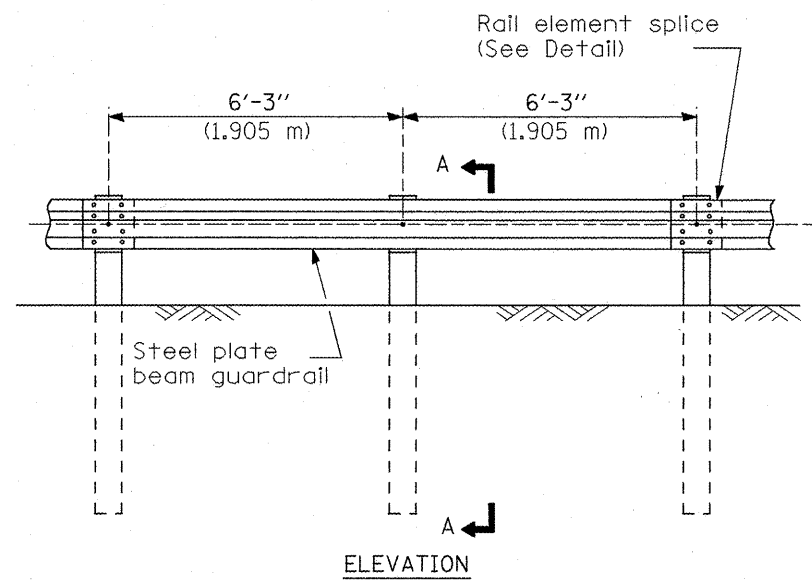
**PROPOSED TRAFFIC SIGNALS
 IL 9 (COURT) & VETERANS/COMMERCIAL**

NOT TO SCALE SHEET NO. 1 OF 7 SHEETS

NOT TO SCALE

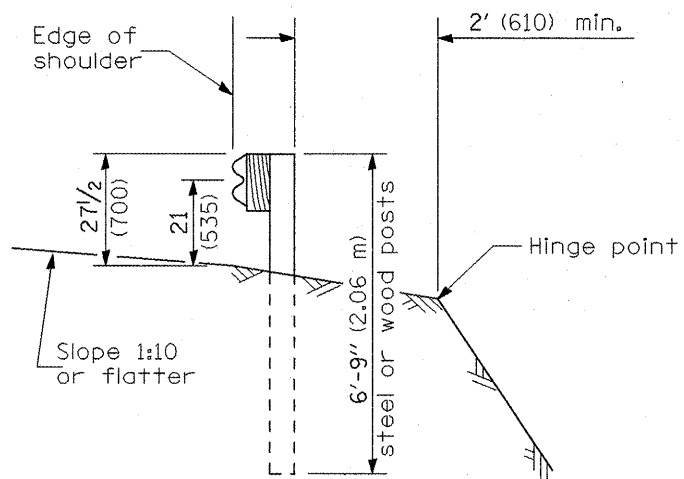
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	115RS-5, 118RS-7	TAZEWELL	36	23
CONTRACT NO. 68460				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNALS - SHEET 3 OF 3

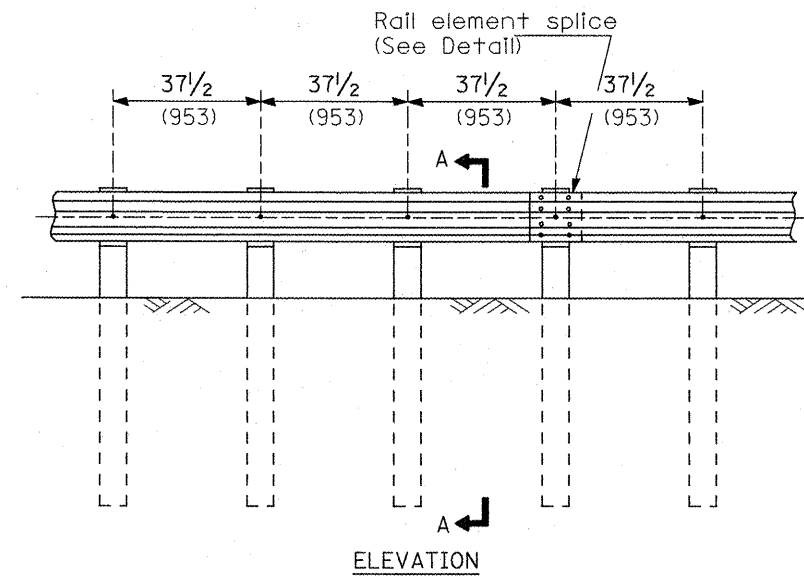


TYPE A

6'-3" (1.905 m) Typical post spacing

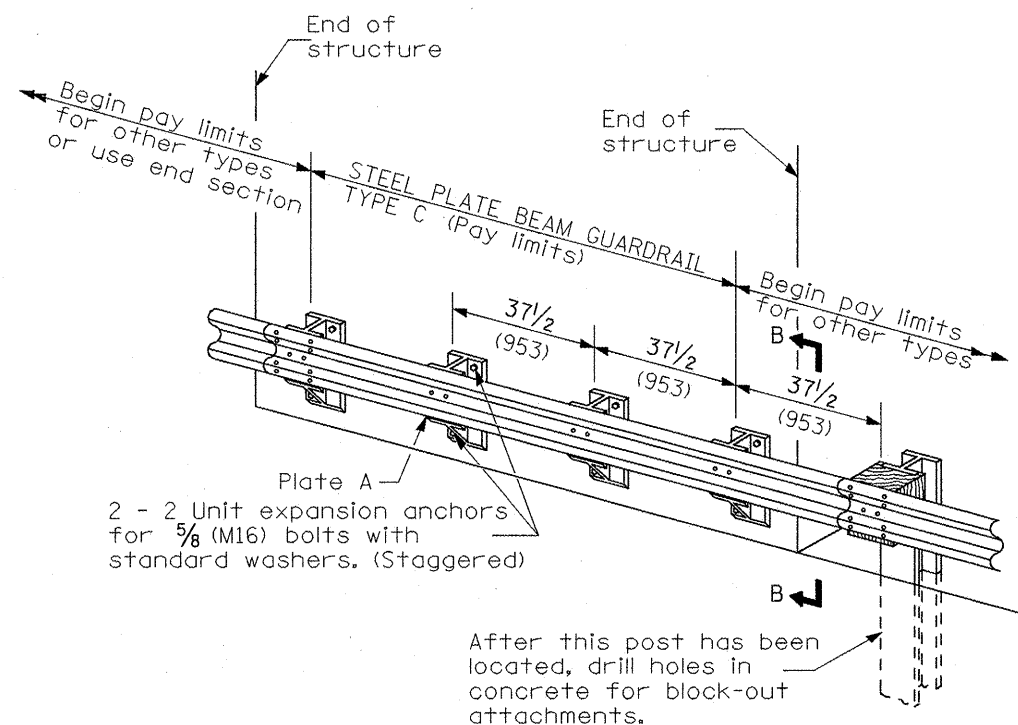


SECTION A-A



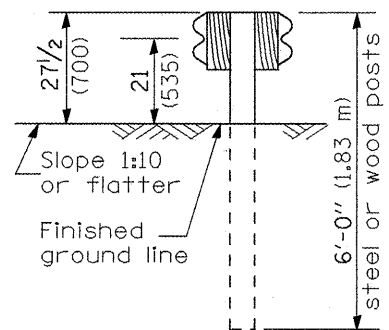
TYPE B

37 1/2 (953) Closed post spacing

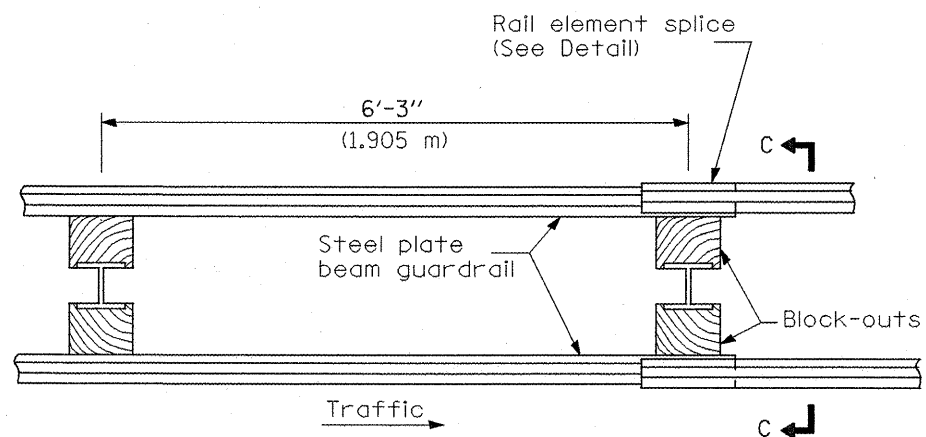


TYPE C

37 1/2 (953) Block-out spacing



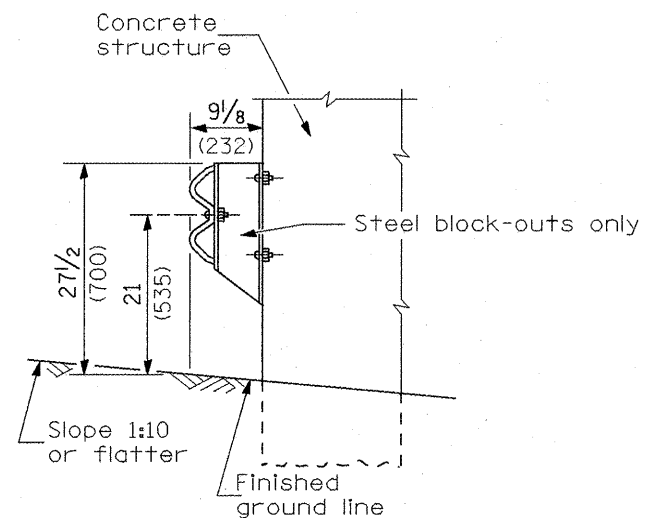
SECTION C-C



PLAN

TYPE D

Double steel plate beam guardrail
6'-3" (1.905 m) typical post spacing



SECTION B-B

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

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

The existing steel posts may be drilled to match the bolt pattern shown herein for the wood block-out, or a new steel post shall be provided.

This detail is applicable to the guardrail system used prior to January 1, 2007. For details on the Midwest Guardrail System, see Standard 630001.

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

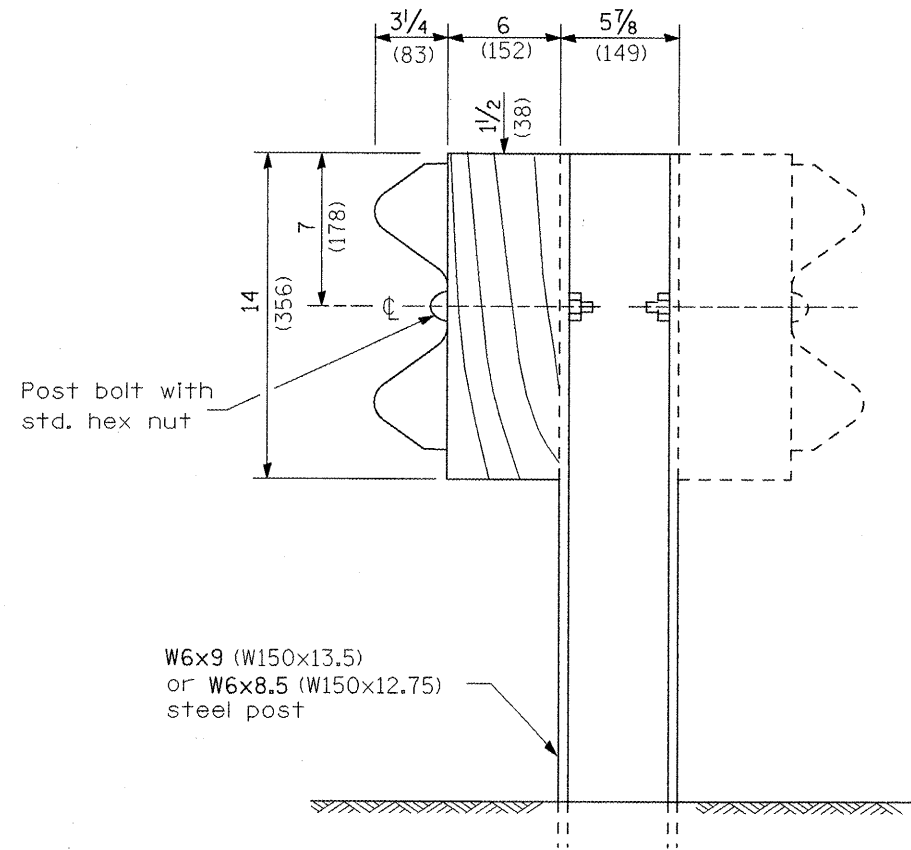
03-01-07	NEW DETAIL	RJD			
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

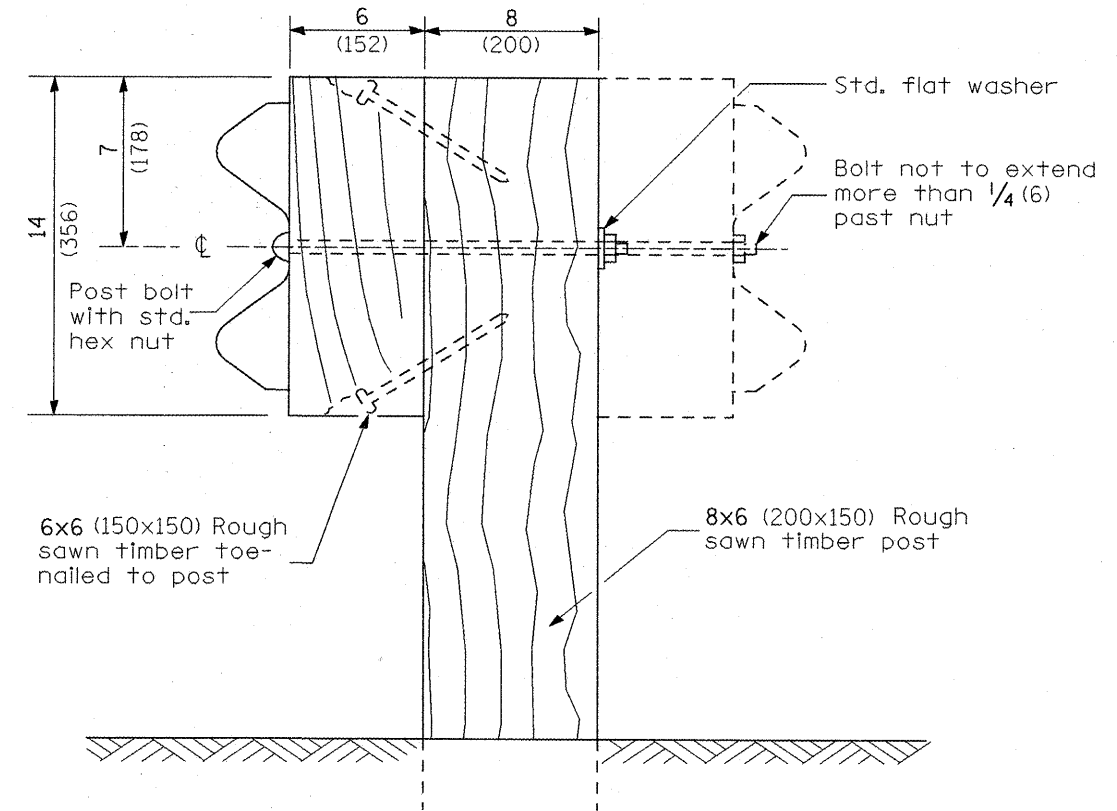
GUARDRAIL INSTALLATION DETAIL

NOT TO SCALE SHEET NO. 1 OF 4 SHEETS

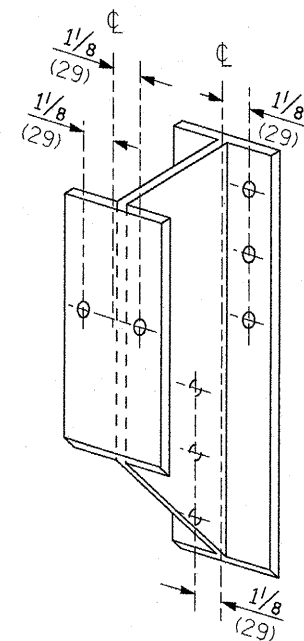
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	115RS-5, 118RS-7	TAZEWELL	36	24
CONTRACT NO. 68460				
ILLINOIS FED. AID PROJECT				



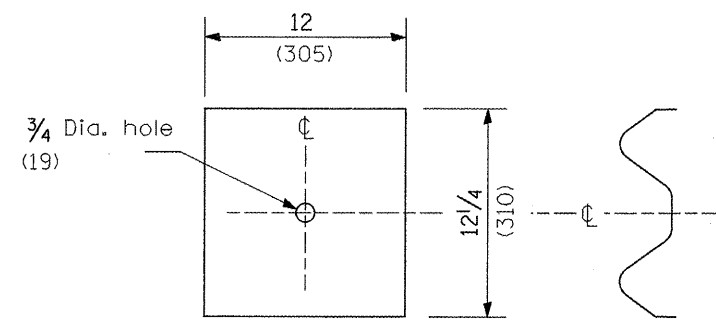
STEEL POST CONSTRUCTION



WOOD POST CONSTRUCTION



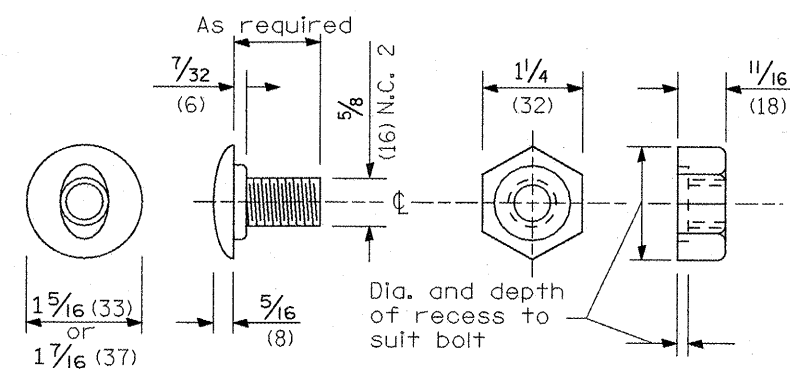
STEEL BLOCK-OUT DETAIL



NOTE

Plate A shall be placed between rail element and block-out at non-splice mounting points only when steel block-outs are used.

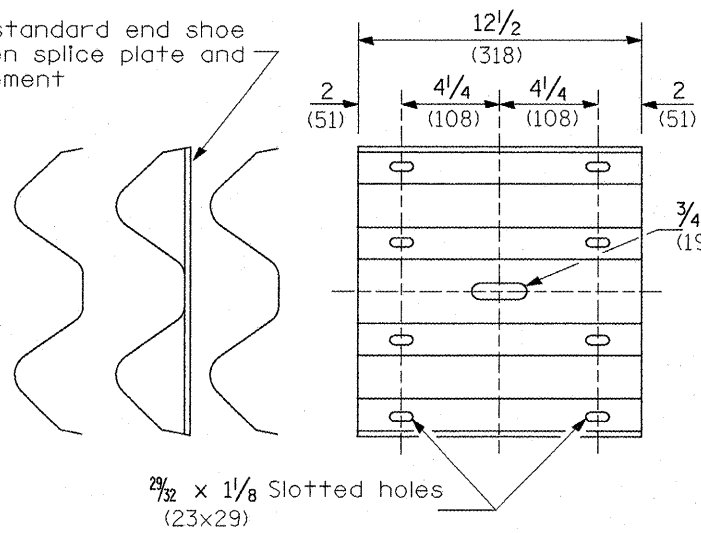
PLATE A



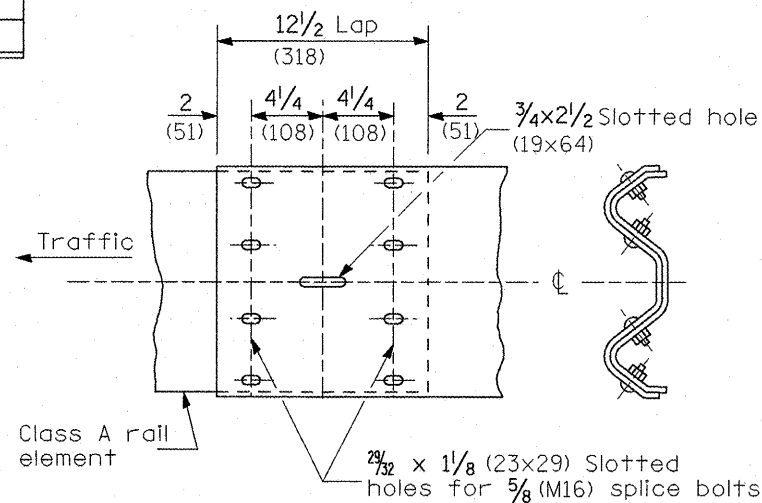
POST OR SPLICE BOLT & NUT

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

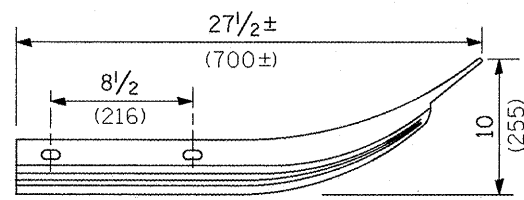
Place standard end shoe between splice plate and rail element



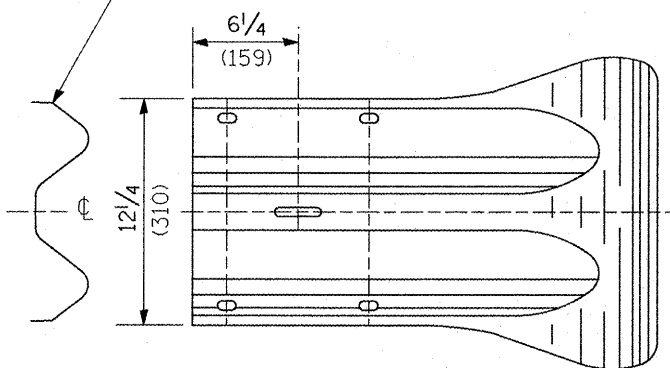
SPLICE PLATE



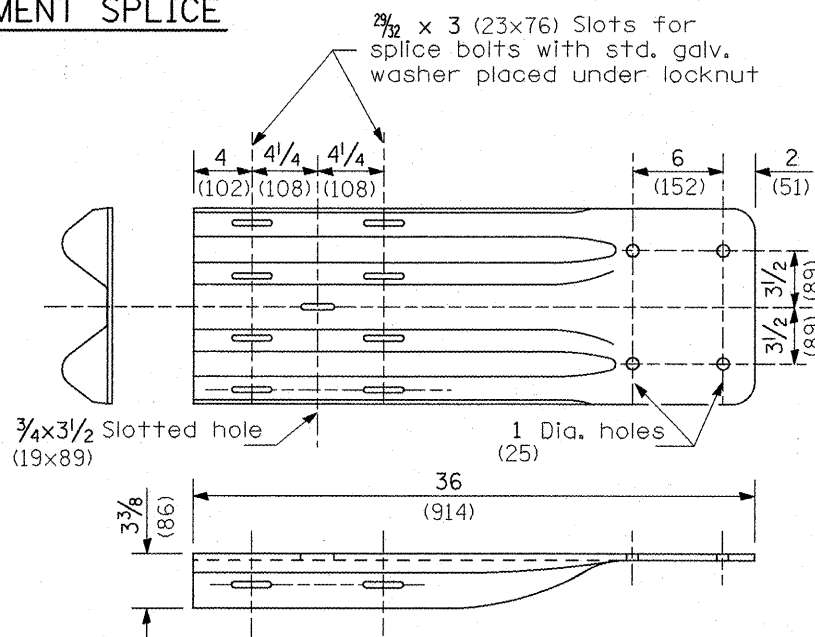
RAIL ELEMENT SPLICE



Class A rail element



END SECTION



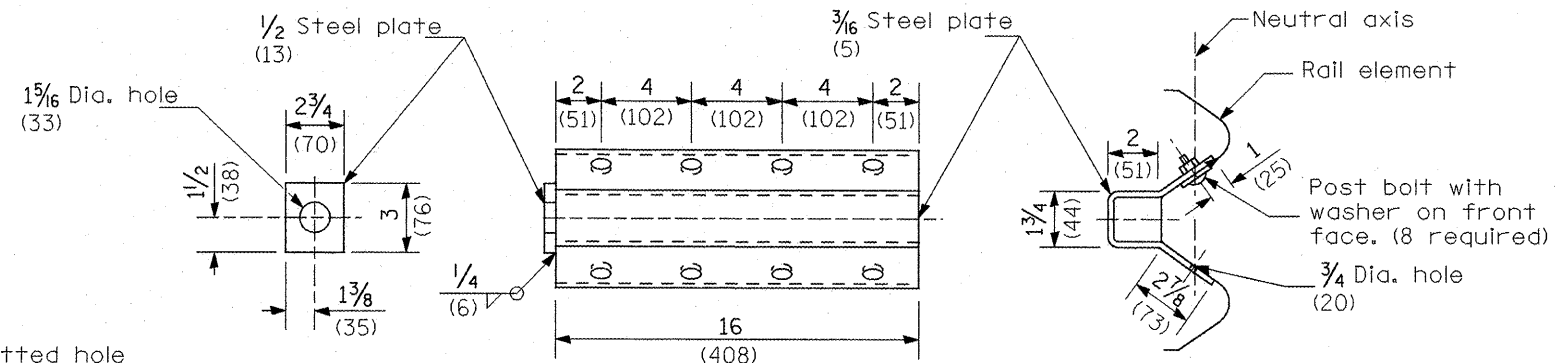
NOTE

When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.

Externally threaded studs protruding from the surface of the concrete will not be permitted.

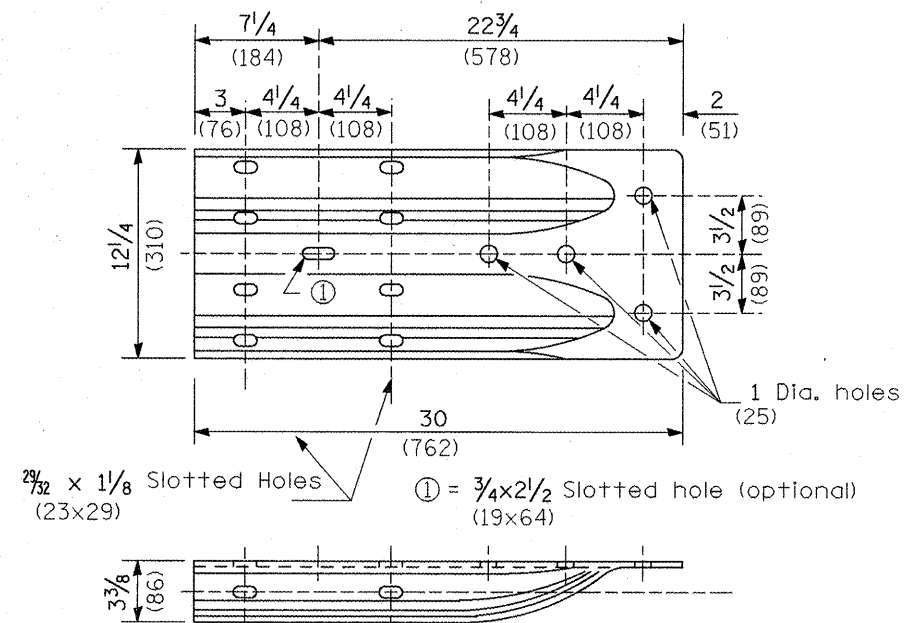
END SHOE



NOTE

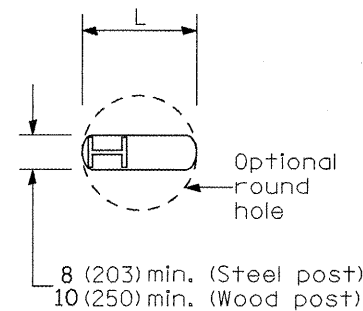
Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

ANCHOR PLATE T DETAILS

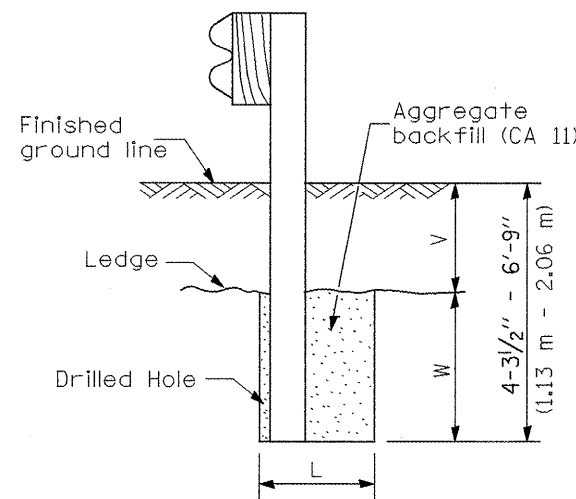


ALTERNATE END SHOE

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



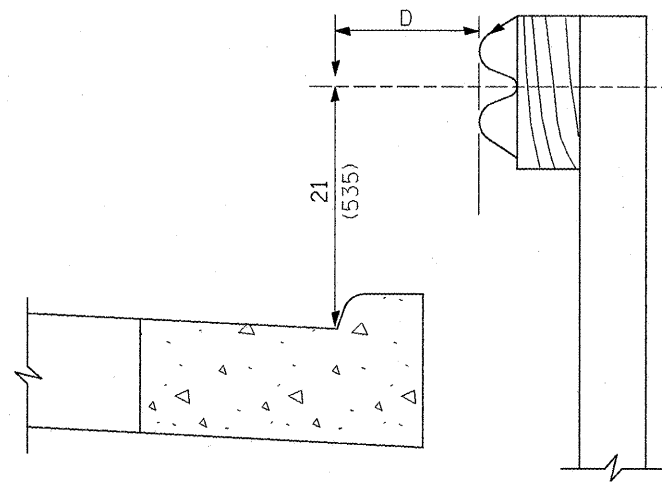
PLAN



Note:
Ledge line is top of rock ledge or hard slag fill.

ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED

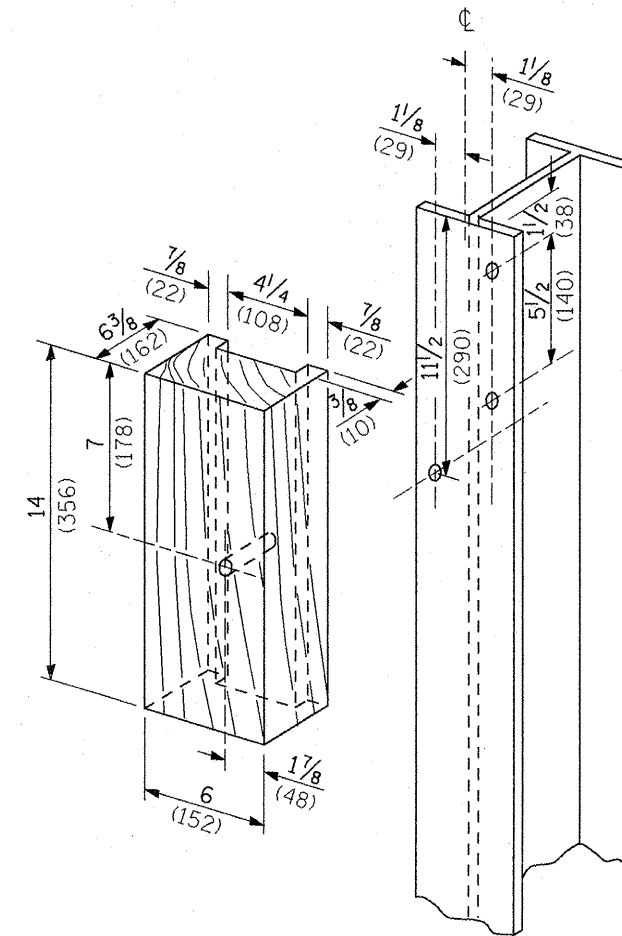


Note:
If it is necessary for D to be more than 12 (300) and less than 10'-0" (3.0 m) type M-2 (M-5) curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.

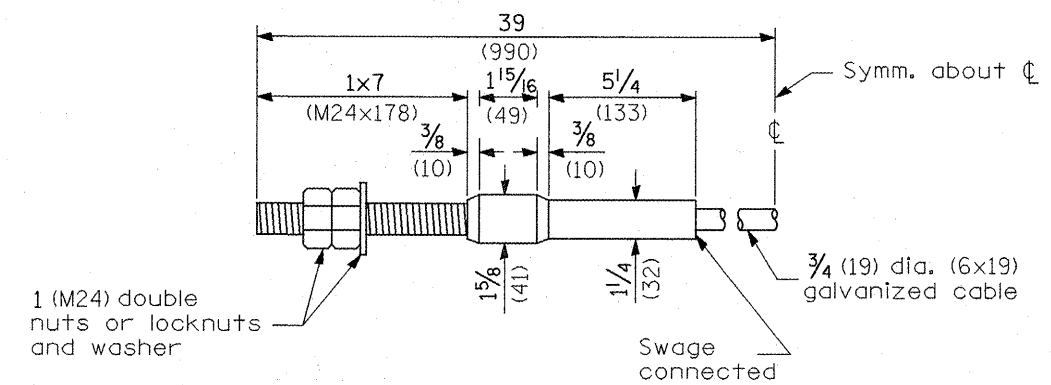
GUARDRAIL PLACED BEHIND CURB

(D = 0 desirable to 12 (300) maximum)

V	W	L	
		Steel Post	Wood Post
0 - 18 (0 - 460)	24 (610)	21 (530)	23 (580)
>18 - 41.5 (>460 - 825)	12 (305)	8 (203)	10 (250)
>41.5 - 53.5 (>825 - 1.13 m)	12 - 0 (305 - 0)	8 (203)	10 (250)



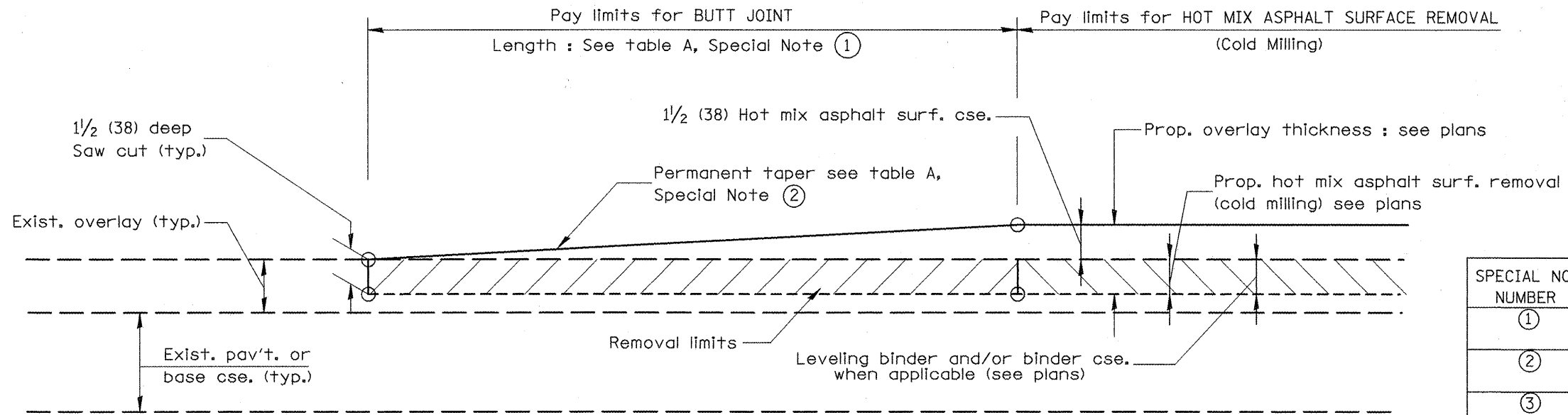
WOOD BLOCK-OUT AND STEEL POST DETAILS



CABLE ASSEMBLY

(18,100 kg (40,000 lbs.) min. breaking strength)
Tighten to taut tension.

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



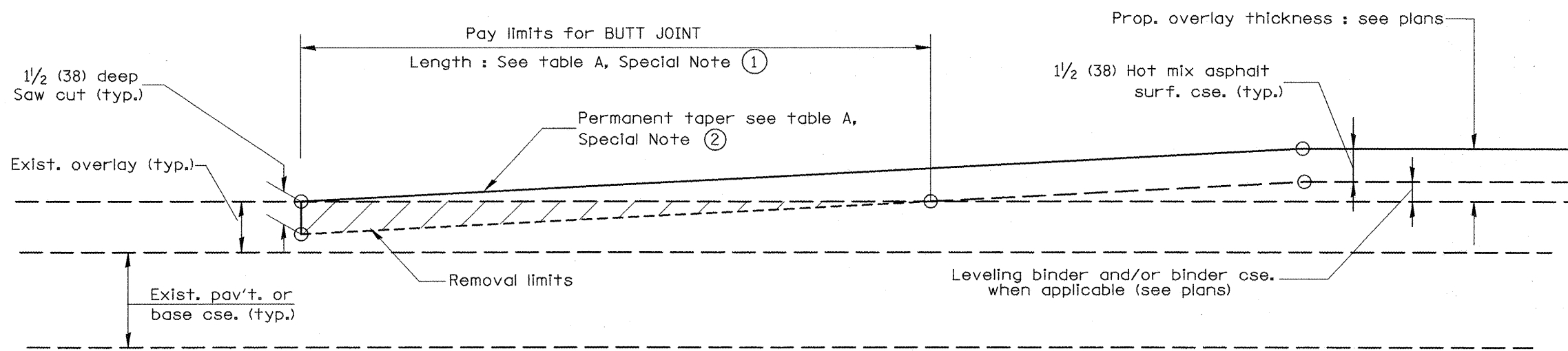
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

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.

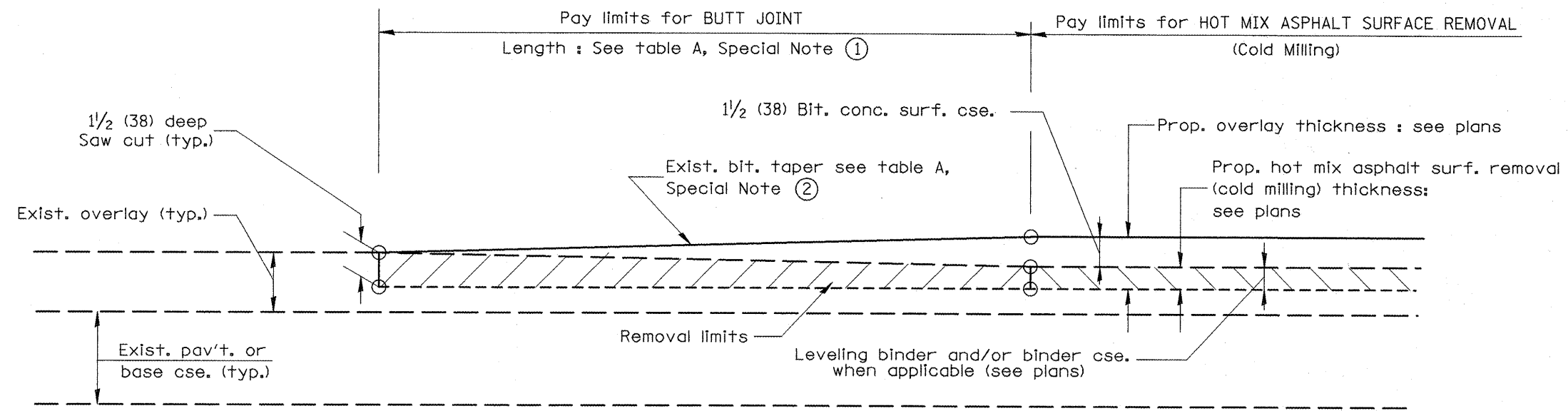
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

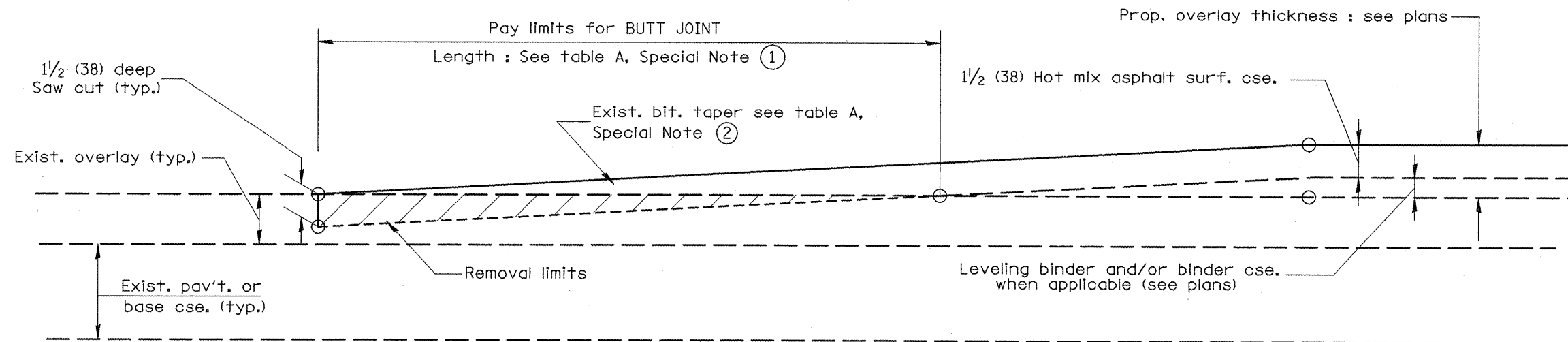
NOT TO SCALE

SHT. 1 OF 3
CADD STD. 406101-D4

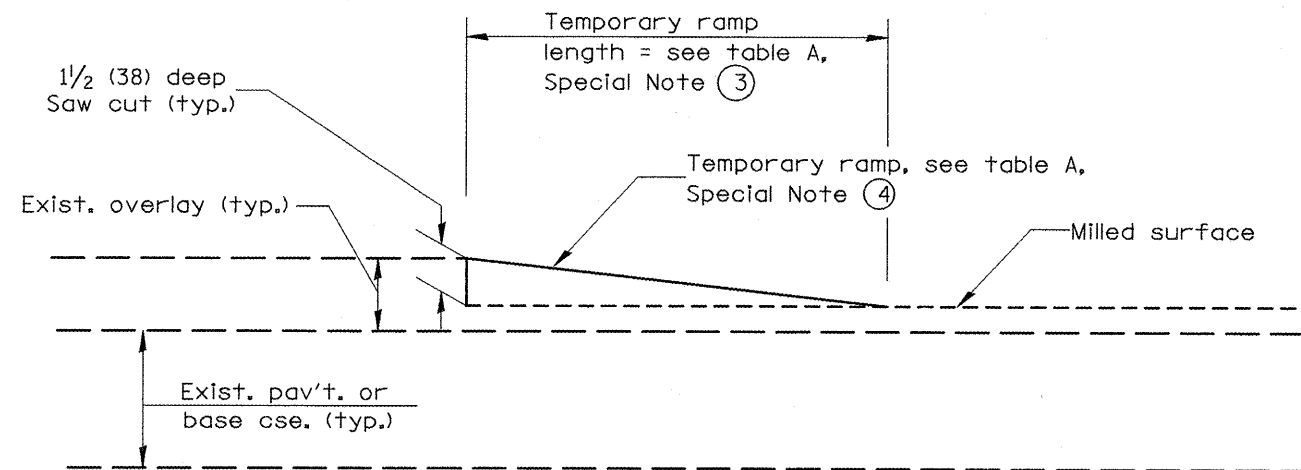
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	115RS-5, 118RS-7	TAZEWELL	36	28
CONTRACT NO. 68460			ILLINOIS FED. AID PROJECT	



**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.

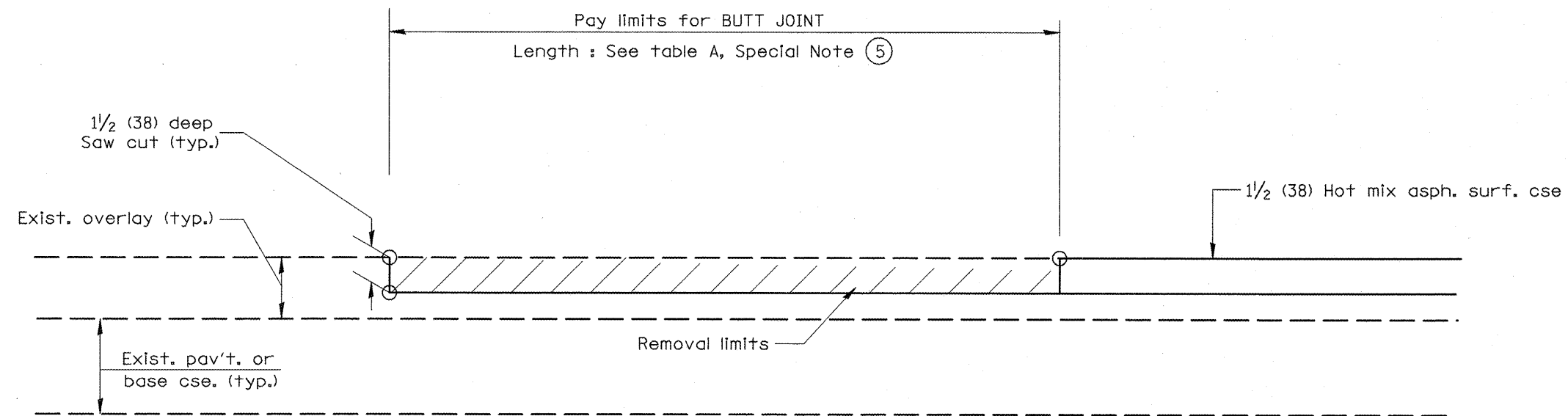
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

NOT TO SCALE

SHT. 2 OF 3
CADD STD. 406101-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	115RS-5, 118RS-7	TAZEWELL	36	29
CONTRACT NO. 68460			ILLINOIS FED. AID PROJECT	



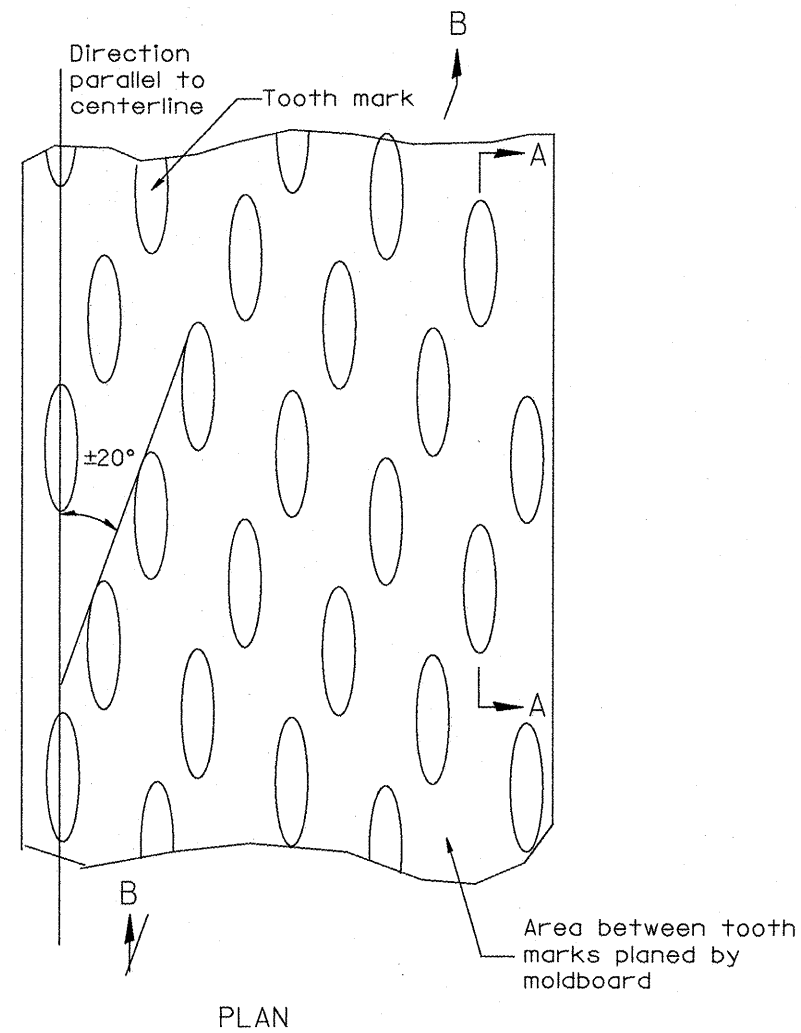
**CASE 5 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINTS
SHT. 3 OF 3
CADD STD. 406101-D4

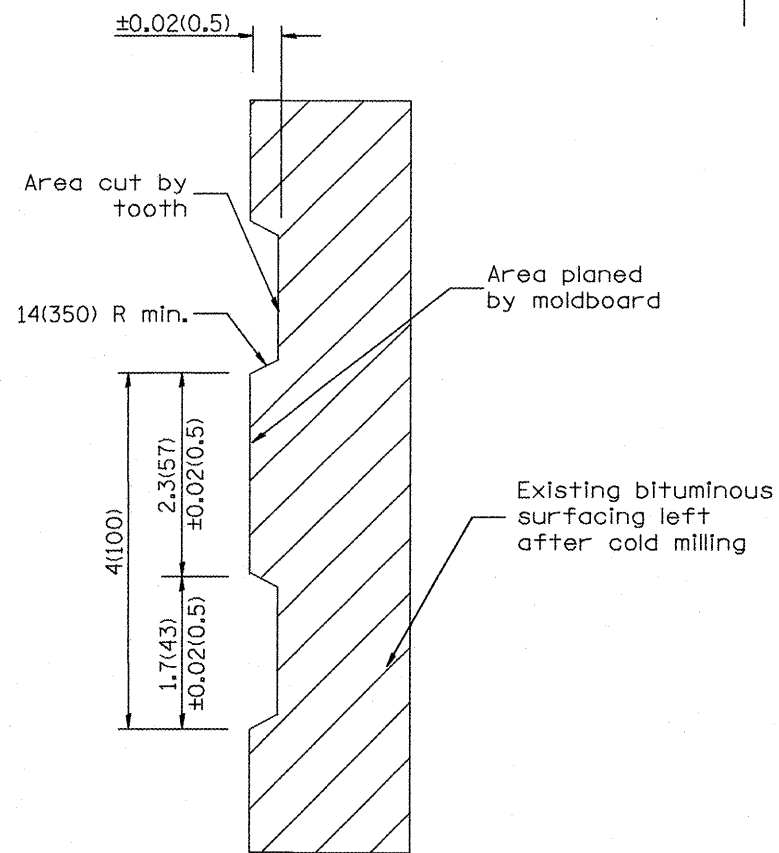
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	115RS-5, 118RS-7	TAZEWELL	36	30
CONTRACT NO. 68460			ILLINOIS FED. AID PROJECT	



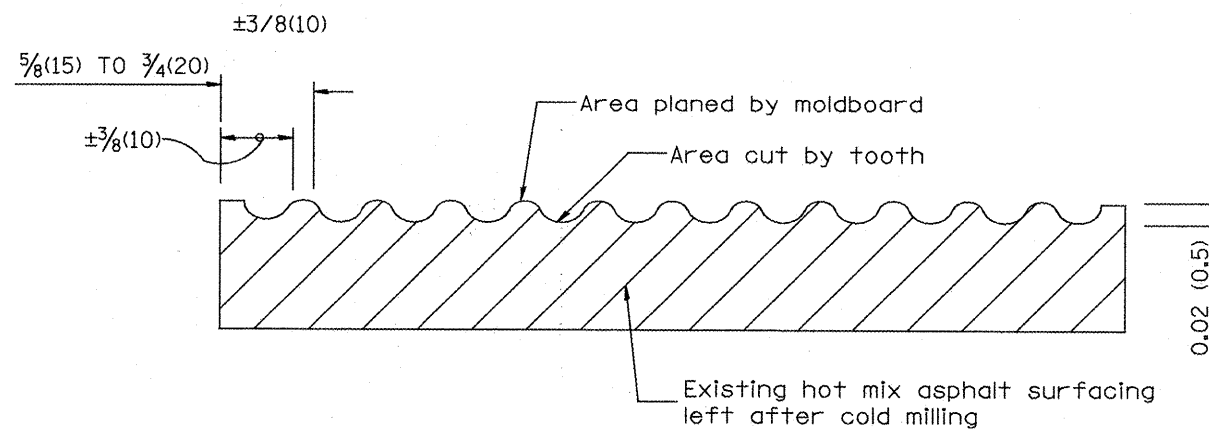
PLAN

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.

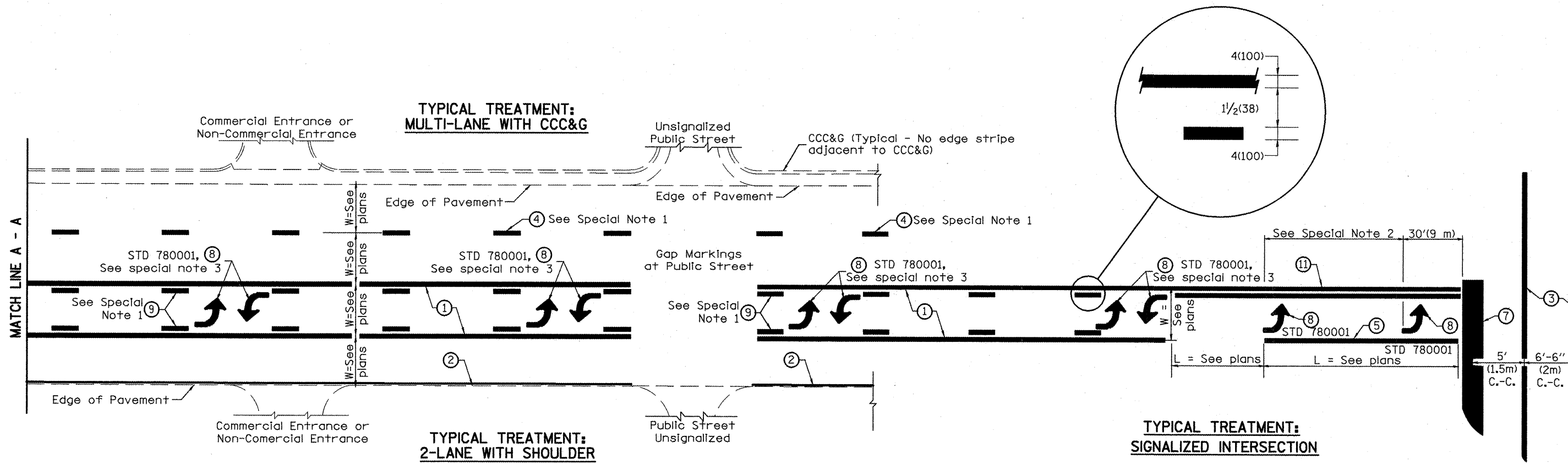
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

NOT TO SCALE

CADD STD. 440001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	115RS-5, 118RS-7	TAZEWELL	36	31
CONTRACT NO. 68460			ILLINOIS FED. AID PROJECT	



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE
WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m) min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m) min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows is 80' (24 m).
 - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
 - A. A minimum of two (2) arrow pairs is required.
 - B. The maximum spacing between arrow pairs is 200' (61 m).
 - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
 - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed Islands and medians, and through lane reductions.

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.		
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.		
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.		

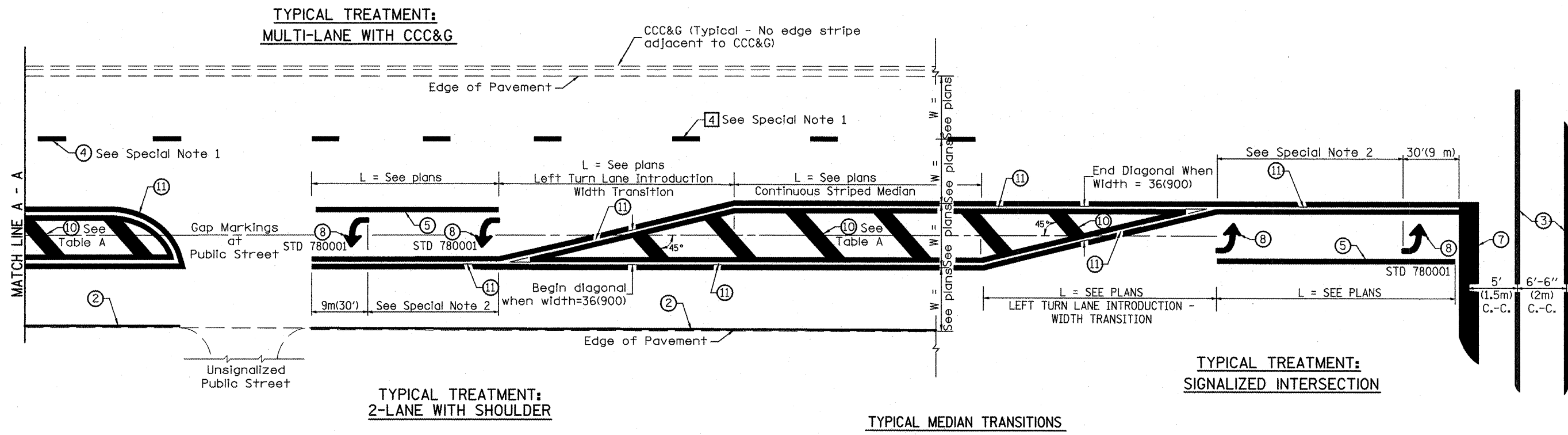
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

SHT. 1 OF 2
CADD STD. 780001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	115RS-5, 118RS-7	TAZEWELL	36	32
CONTRACT NO. 68460			ILLINOIS FED. AID PROJECT	



**TYPICAL TREATMENT:
SIGNALIZED INTERSECTION**

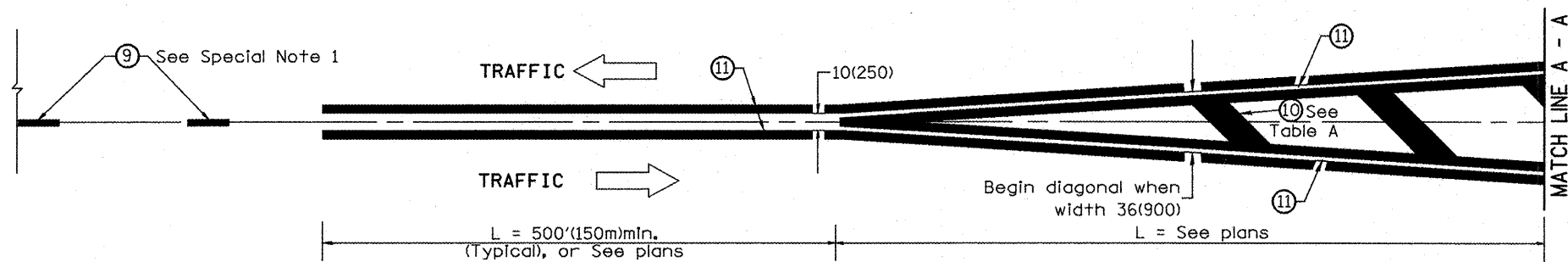
TYPICAL MEDIAN TRANSITIONS

FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A

RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



MEDIAN INTRODUCTION - WIDTH TRANSITIONS

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

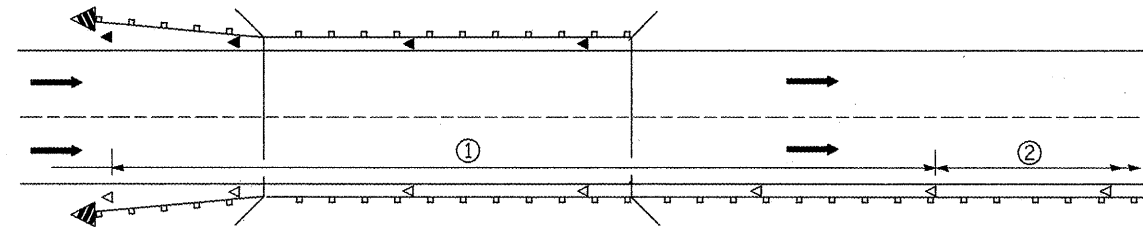
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

SHT. 2 OF 2
CADD STD. 780001-D4

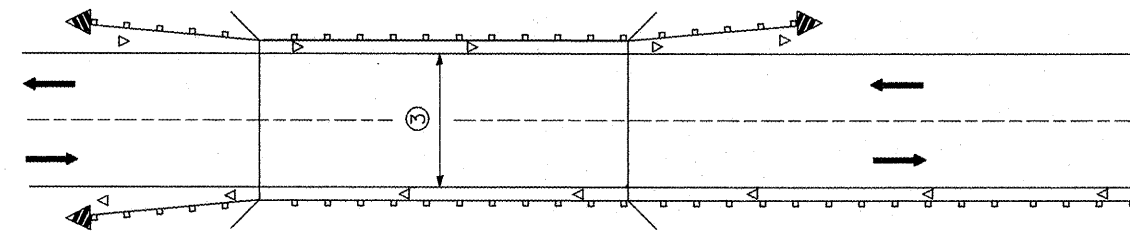
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	115RS-5, 118RS-7	TAZEWELL	36	33
CONTRACT NO. 68460			ILLINOIS FED. AID PROJECT	



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



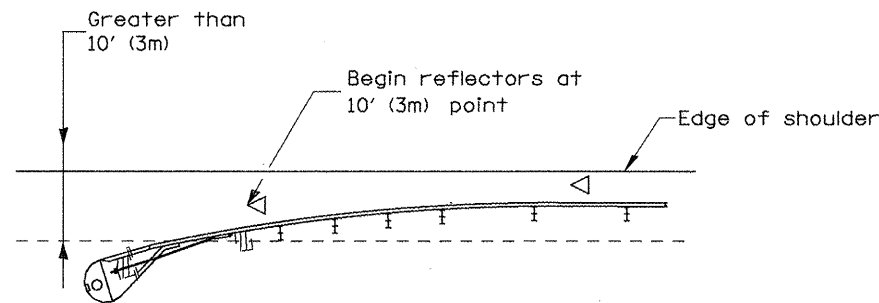
③ Bidirectional silver/silver should be used in lieu of monodirectional silver on both sides of two-lane bridges where the bridge pavement is less than 24 (610) wider than the pavement approaching the bridge.

TWO-WAY TRAFFIC

GUARDRAIL / BARRIER WALL / BRIDGE RAIL REFLECTORS

LEGEND

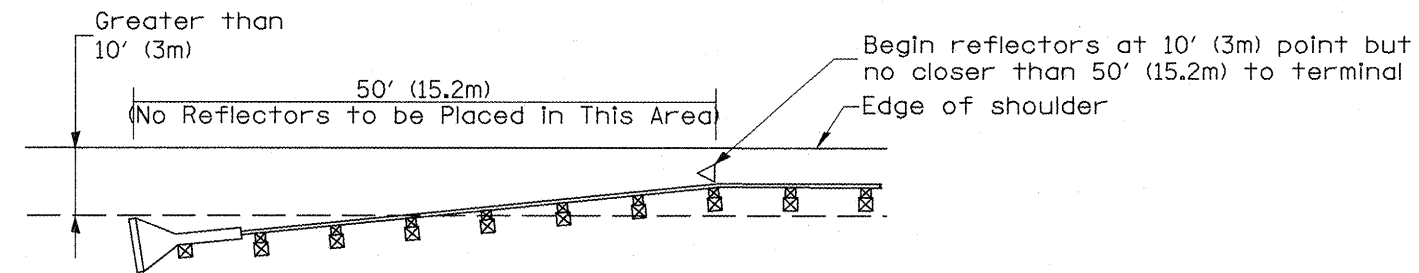
- ◁ Monodirectional silver
- ◄ Monodirectional amber
- ◄ Terminal Marker - Black/Yellow
Left or Right as appropriate



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.

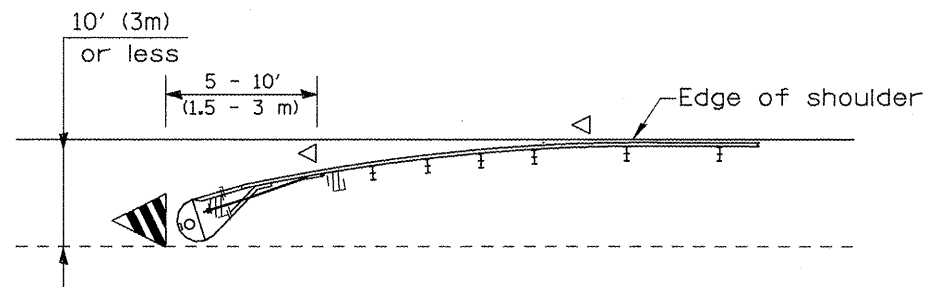
Traffic Barrier Terminal Type(*) and/or Turned-Down Terminal

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

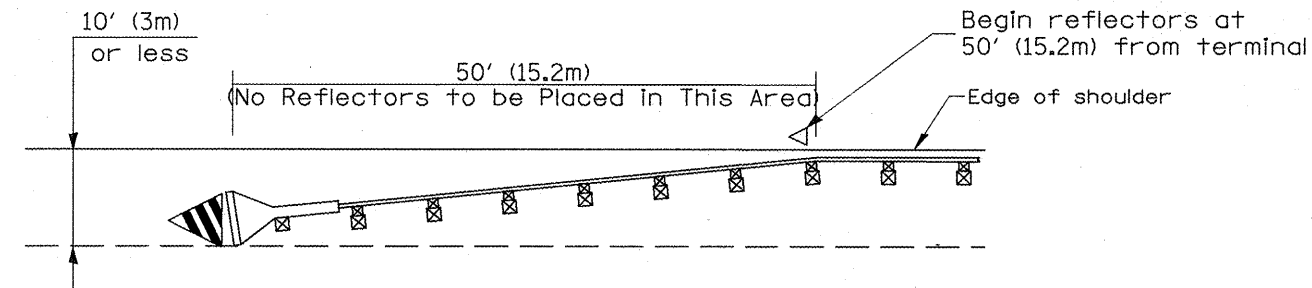


NOTE: Omit terminal marker when terminal over (10') from edge of paved shoulder or break point of unpaved shoulder.

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.	

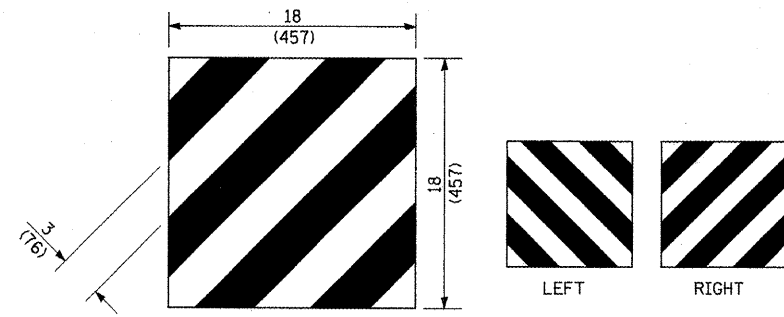
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL AND BARRIER WALL DELINEATION

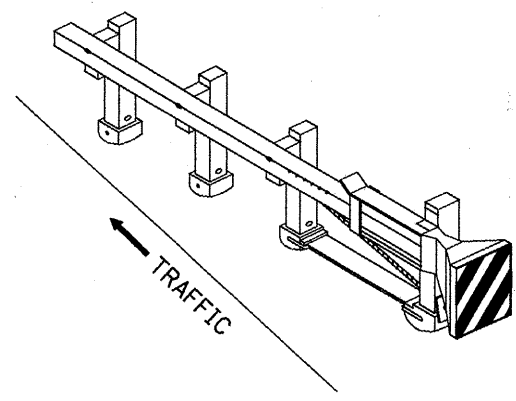
NOT TO SCALE

SHT. 1 OF 3
CADD STD. 635101-D4

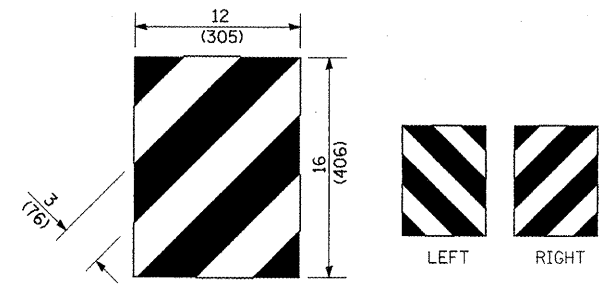
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	115RS-5, 118RS-7	TAZEWELL	36	34
			CONTRACT NO. 68460	
ILLINOIS FED. AID PROJECT				



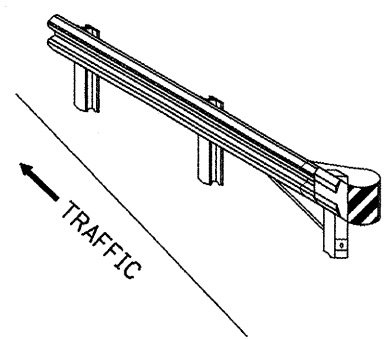
For Traffic Barrier Terminal Type 1 (Special)



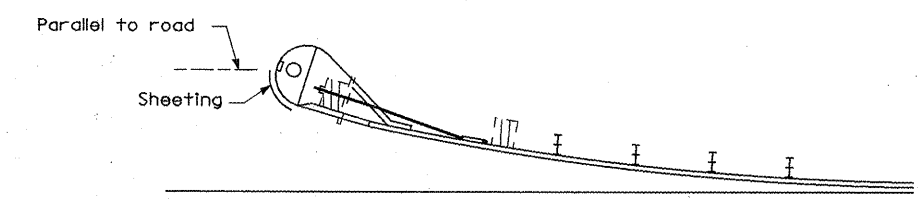
Standard Treatment - Direct Applied Sheeting
Traffic Barrier Terminal Type 1 (Special)



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



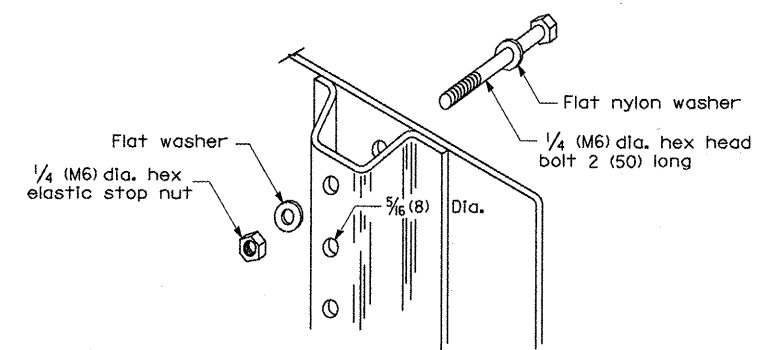
Standard Treatment - Direct Applied Sheeting
Traffic Barrier Terminal Type (*)
* See Plans for Type



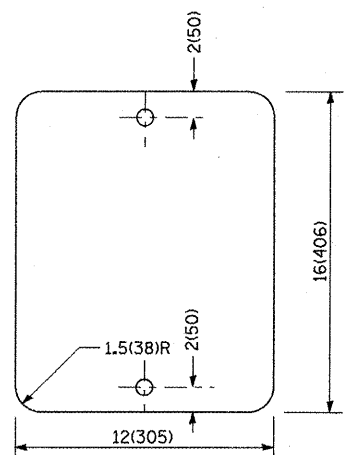
Sheeting Position for
Traffic Barrier Terminal Type (*)
* See Plans for Type

TERMINAL MARKER DETAILS

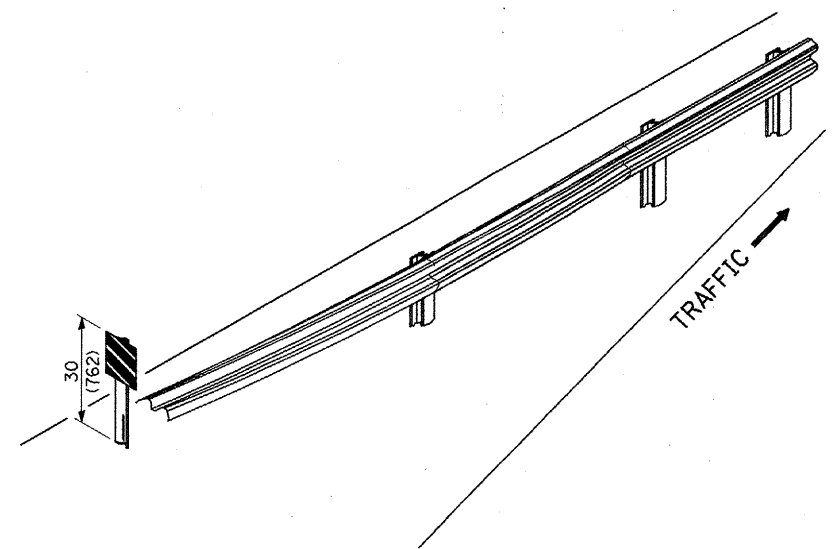
- Color: Black / Yellow reflectorized
- OM - I100 (L or R) Direct applied reflective sheeting
- OM - I200 (L or R) Post mounted



DETAIL OF MOUNTING TERMINAL MARKER TO POST



STANDARD TERMINAL MARKER



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

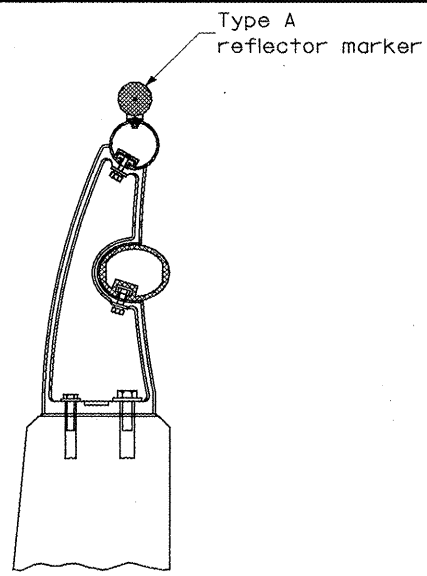
TERMINAL MARKER TREATMENTS

GENERAL NOTES

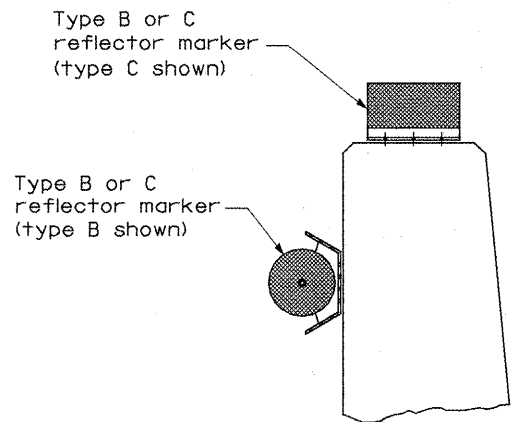
All dimensions are in Inches (millimeters) unless otherwise noted.

POST MOUNTED TERMINAL MARKER ASSEMBLY

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				GUARDRAIL AND BARRIER WALL DELINEATION				SHT. 2 OF 3	
								NOT TO SCALE	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	CONTRACT NO. 68460				
693	115RS-5, 118RS-7	TAZEWELL	36	35					
ILLINOIS FED. AID PROJECT									

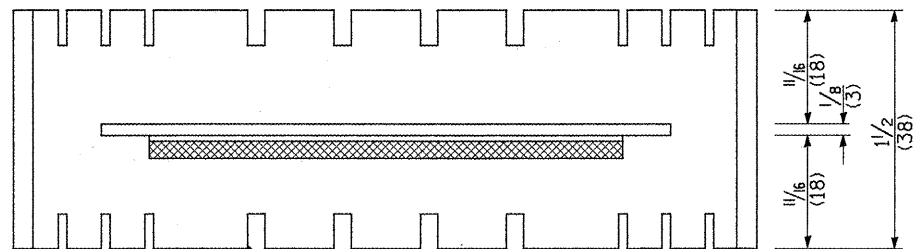


TYPICAL MOUNTING DETAIL FOR BRIDGE RAIL REFLECTOR

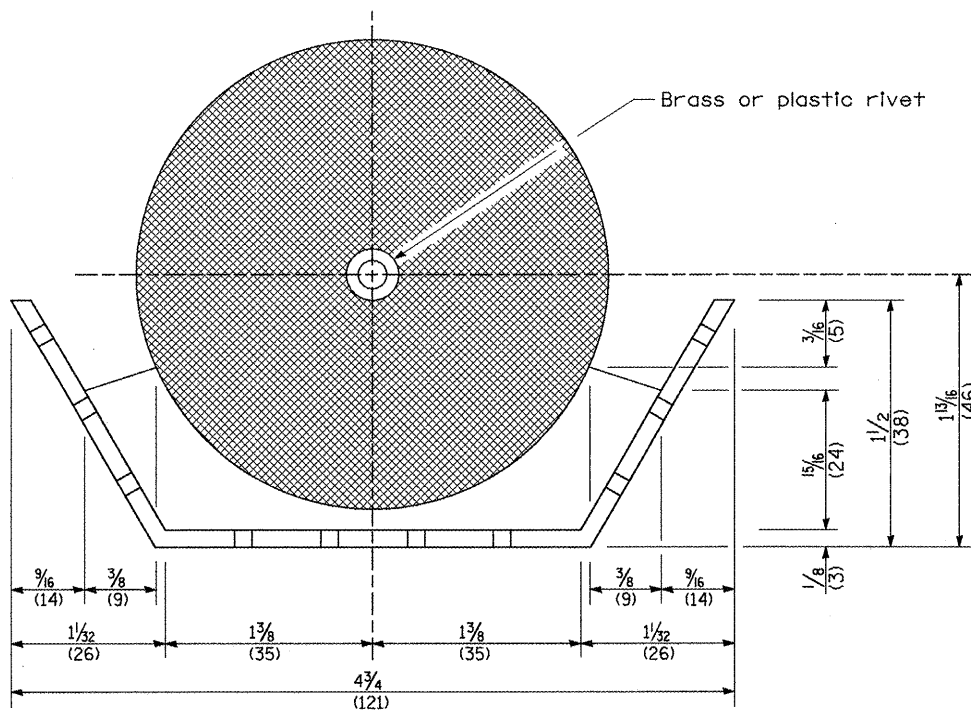


TYPICAL MOUNTING DETAIL FOR BARRIER WALL REFLECTOR

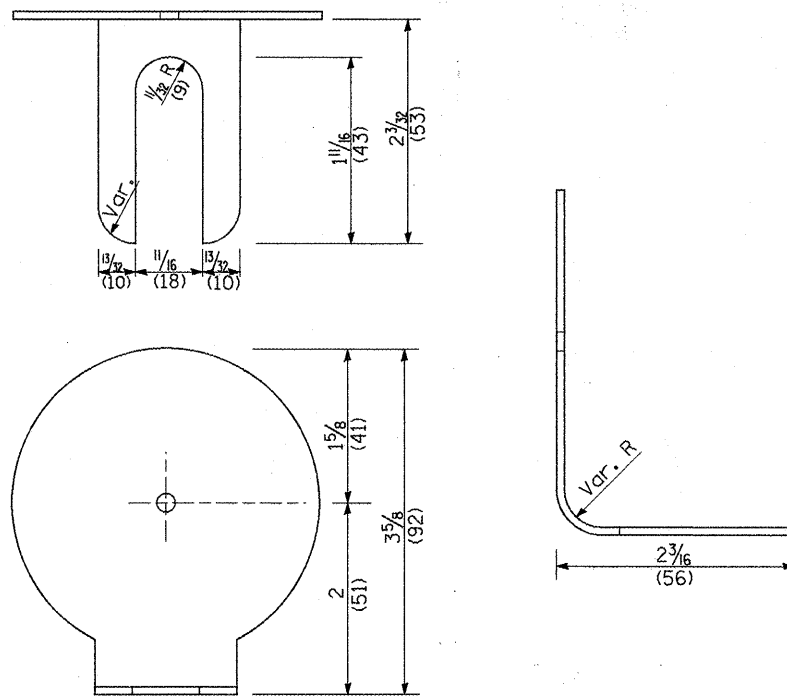
REFLECTOR MOUNTING



Adhesive weep slots or holes equally spaced on both sides

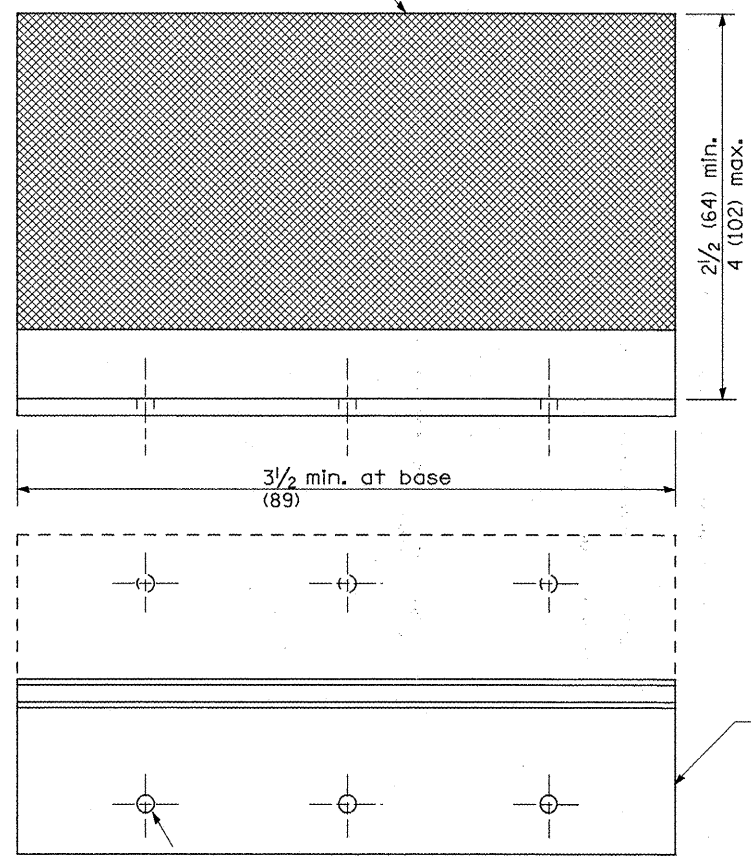


REFLECTOR MARKER TYPE B



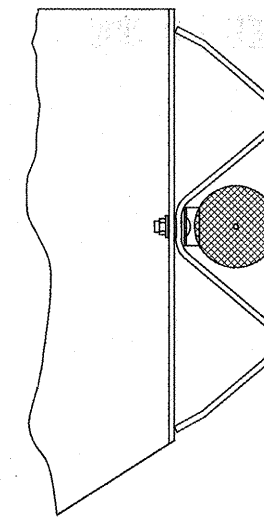
REFLECTOR MARKER TYPE A

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

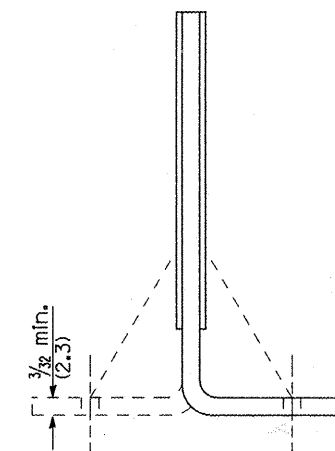


REFLECTOR MARKER TYPE C

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



TYPICAL GUARDRAIL MOUNTING WITH REFLECTOR MARKER TYPE A



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

REFLECTORS

Minimum total area of base 7.0 Sq. in. (4,516 mm²)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	115RS-5, 118RS-7	TAZEWELL	36	36
CONTRACT NO. 68460			ILLINOIS FED. AID PROJECT	