

FOR INDEX OF SHEETS, SEE SHEET NO. 1

04-24-2015 LETTING ITEM 050

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

FAS 1379 (IL 91)  
SECTION 108RS-5  
PROJECT *ACRS-1379(104)*  
TYPE of IMPROVEMENT: ROADWAY SURFACING  
STARK COUNTY

C-94-101-10

HIGHWAY STANDARDS

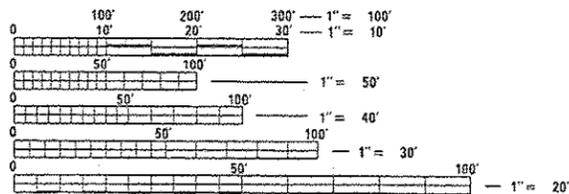
406201-01	701311-03
630106-01	701326-04
635006-03	701901-04
635011-02	780001-05
701306-03	781001-03

DISTRICT CADD STANDARDS

406101	630101
440001	667101

ADT = 650/2011

MU = 4.5%



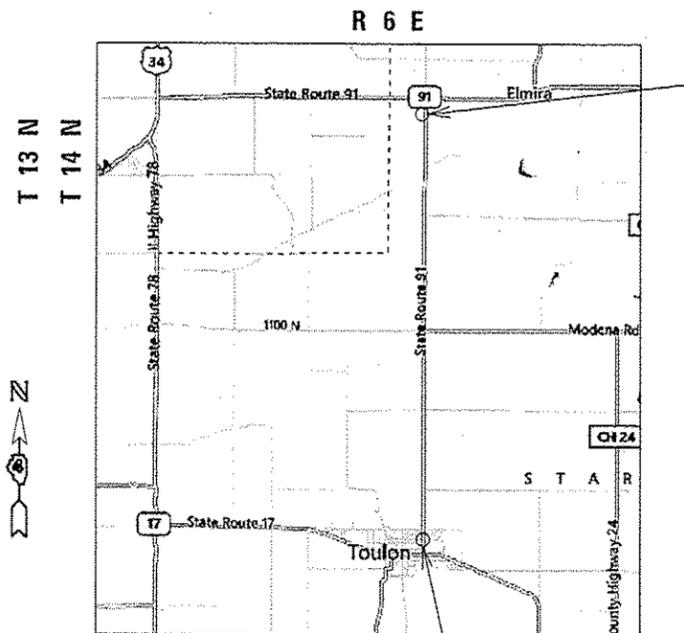
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: Christopher Maushard /309-671-3453

PROJECT MANAGER: George Elias /309-671-3467

CONTRACT NO: 68981  
CATALOG NO: 034451-00D



IMPROVEMENT BEGINS STA. 0 + 90

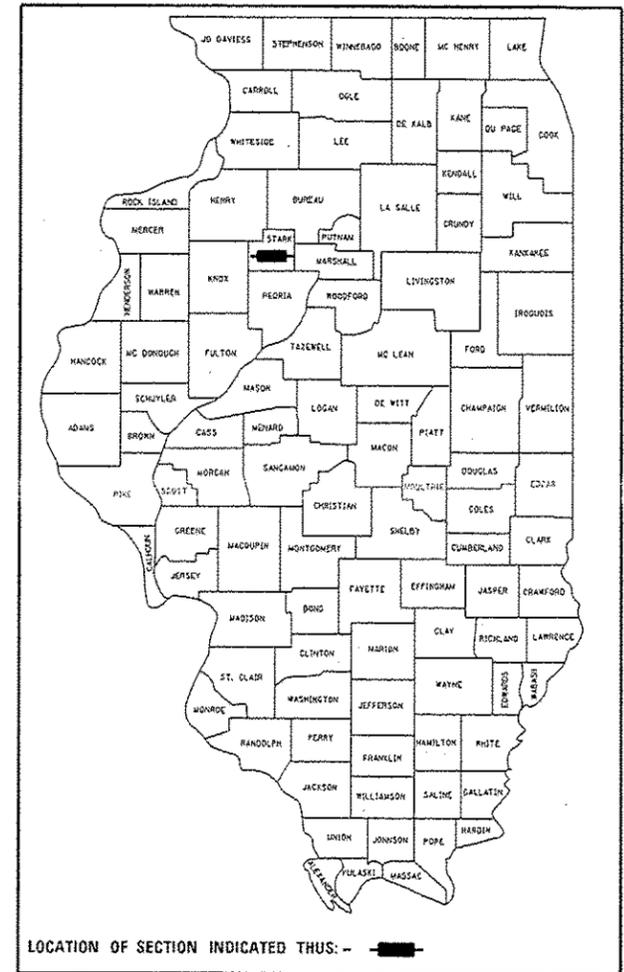
IMPROVEMENT ENDS STA. 306 + 75

TYPE OF IMPROVEMENT:  
RESURFACING ON IL 91 FROM  
IL 93 TO IL 91/L 17 JCT IN  
TOULON.

GROSS LENGTH = 30585 FT = 5.82 MILE  
NET LENGTH = 30585 FT = 5.82 MILE

F.A.S. 1379	SECTION 108RS-5	COUNTY STARK	TOTAL SHEETS 30	SHEET NO. 1
RTE: IL 91		ILLINOIS	CONTRACT NO. 68981	

D-94-046-10



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED Jan 20 14  
*Ronald G. Slanetz*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Mar 20 15  
*John D. Baranzelli* P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

Mar 20 15  
*Omer Osman* P.E.  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

## COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made. No commitment have been made.

## 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.

## CONSECUTIVE SIDE STREET (ROAD) CLOSURE – PROHIBITED

1. No two consecutive side streets (roads) may be closed at the same time during construction. The Contractor must alternate streets (roads).
2. Adjacent side roads will not be closed simultaneously. BLR Standard 21 shall be used for all local road closures without any entrances within the closed area. BLR Standard 22 can be used where it is necessary to allow local traffic access.

FILE NAME * D:\68981-111-recover.dgn	USER NAME * aubreyga	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL, SPECIFIC NOTES &amp; COMMITMENTS</b>	F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE * 400.0000 / 1 in.	DRAWN - _____	REVISED - _____			1379	108RS-5	STARK	30	2
Default	PLOT DATE * 1/8/2015	CHECKED - _____	REVISED - _____			RTE: IL 91	CONTRACT NO. 68981			
SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____						ILLINOIS FED. AID 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.

FILE NAME = 0468981-shl-cover.dgn	USER NAME = subrygg	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL, SPECIFIC NOTES & COMMITMENTS	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 400:2000 / in.	DRAWN - _____	REVISED - _____			1379	108RS-5	STARK	30	3	
Default	PLOT DATE = 1/9/2015	CHECKED - _____	REVISED - _____			RTE: IL 91	CONTRACT NO. 68981				
		DATE - _____	REVISED - _____			SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____

## 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.

FILE NAME + 0468801-shs-cover.dgn	USER NAME + aubreyg	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL, SPECIFIC NOTES & COMMITMENTS	F.A.S.	SECTION	COUNTY	TOTAL SHEET	
	PLOT SCALE + 400.0000 1/ in.	DRAWN - _____	REVISED - _____			1379	10BRS-5	STARK	30	4
Default	PLOT DATE + 1/8/2015	CHECKED - _____	REVISED - _____			RTE: [L 91]				CONTRACT NO. 68981
				SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT				

BITUMINOUS MIXTURE REQUIREMENTS		1/22/2015		Save As		ReSend	
Contract 68981		Description IL 91 from Toulon to IL 93					
		County Stark					
		Marked Route IL 91					
The following mixture requirements are applicable for this project:							
Mixture Use(s):	Surface Course	Partial Depth Patch	Level Binder 3/4"	HMA Shoulder (Surface Lift)	HMA Shoulder (Lower Lifts)	Incidental Surface Course	
AC/PG:	PG 64-22	PG 64-22	SBS or SBR 76-22	PG 64-22	PG 64-22	PG 64-22	
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	
Mixture Composition: (Mixture Gradation)	IL 9.5	IL 9.5	IL 4.75	IL 9.5	IL 19.0	IL 9.5	
Friction Aggregate:	Mixture D (Dolomite only)	N.A.	N.A.	Mixture D (Dolomite only)	N.A.	Mix C	
Quality Management Program:	PFP	QCQA	QCQA	QCQA	QCQA	QCQA	

**BUTT JOINT CUTTING TIME RESTRICTION**

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

**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.

**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.**

**NO PASSING ZONE VERIFICATION**

The resident shall contact Operations to verify the location of no passing zones prior to placement of centerline striping.

**JOB SPECIFIC NOTES:**

**I. Proposed construction sequence for milling and paving 4" wider.**

- 1. Mill both lanes for entire project.**
- 2. Place IL 4.75 Poly-Leveling Binder on both lanes of the entire project.**
- 3. Pave unconfined surface course mat 4" wider than centerline on first lane of paving.**
- 4. Prior to paving return pass of surface course in adjacent lane, mill the 4" of unconfined surface mat back to centerline.**  
 The milling equipment used must be capable of producing a straight line. the depth of milling must be controlled so as to not significantly gouge the underlying IL 4.75 Poly-Leveling Binder. The intent is to create a vertical face at centerline to provide lateral confinement of the adjacent lane surface course. Skid steer mounted mills will not be allowed.
- 5. Clean and prep surface as per article 406.05 prior to placement of HMA.**

**II. Proposed Modified Urethane striping at 11 feet.**

**III. The usage of an EMPTY MTD over SN's. ( 2004, 2500, 2502) during paving operation is permitted.**

**IV. Check reference plan sheets for existing survey markers locations.**

FILE NAME : D459901-shtrcover.dgn	USER NAME : subrygg	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL, SPECIFIC NOTES &amp; COMMITMENTS</b>	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - _____	REVISED - _____			1379	108RS-5	STARK	30	6
		CHECKED - _____	REVISED - _____			RTE: IL 91		CONTRACT NO. 68981		
Default		DATE - _____	REVISED - _____			SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	[ILLINOIS] FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				STARK COUNTY		
				0005		
				80% FEDERAL		
				20% STATE		
20200500	EARTH EXCAVATION (WIDENING)	CU YD	2230	2230		
40600285	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	POUND	96008	96008		
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	3213	3213		
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	234	234		
40600990	TEMPORARY RAMP	SQ YD	52	52		
40603335	HOT - MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	6426	6426		
40800050	INCIDENTAL HOT - MIX ASPHALT SURFACING	TON	493	493		
44000152	HOT - MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	77519	77519		
44000158	HOT - MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	306	306		
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	54732	54732		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	3640	3640		
48203100	HOT - MIX ASPHALT SHOULDERS	TON	6259	6259		
* 63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	326	326		
* 63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	338	338		

14 \* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				STARK COUNTY		
				0005		
				80% FEDERAL		
	20% STATE					
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	8	8		
63200310	GUARDRAIL REMOVAL	FOOT	1626	1626		
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	2	2		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3		
67100100	MOBILIZATION	L SUM	1	1		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	13763	13763		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	90883	90883		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	26	26		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	11469	11469		
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	90883	90883		
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	26	26		

14 \* SPECIALTY ITEM

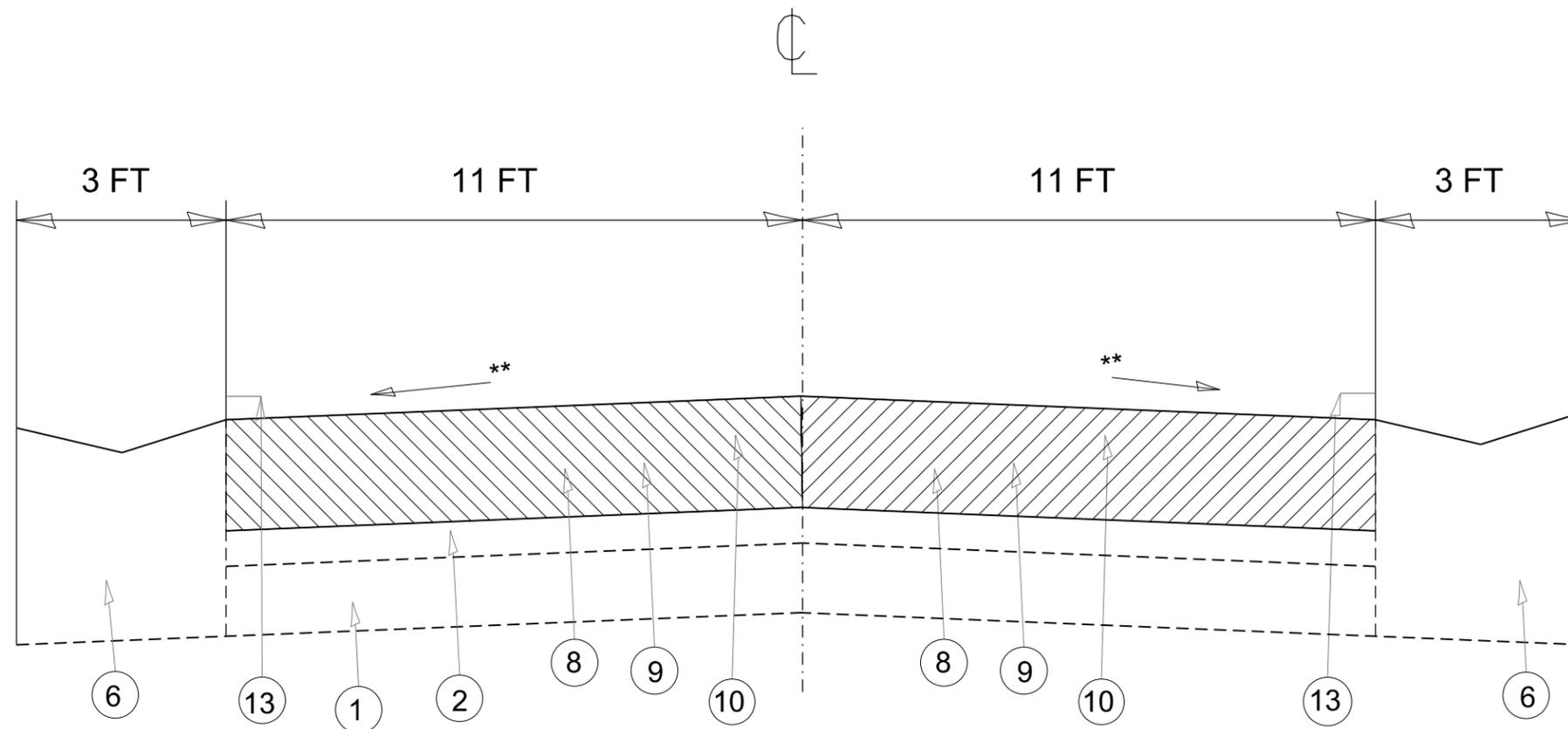
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		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 1/23/2015	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	10BRS-5	STARK	30	8
RTE: IL 91		CONTRACT NO. 68981		
ILLINOIS FED. AID PROJECT				





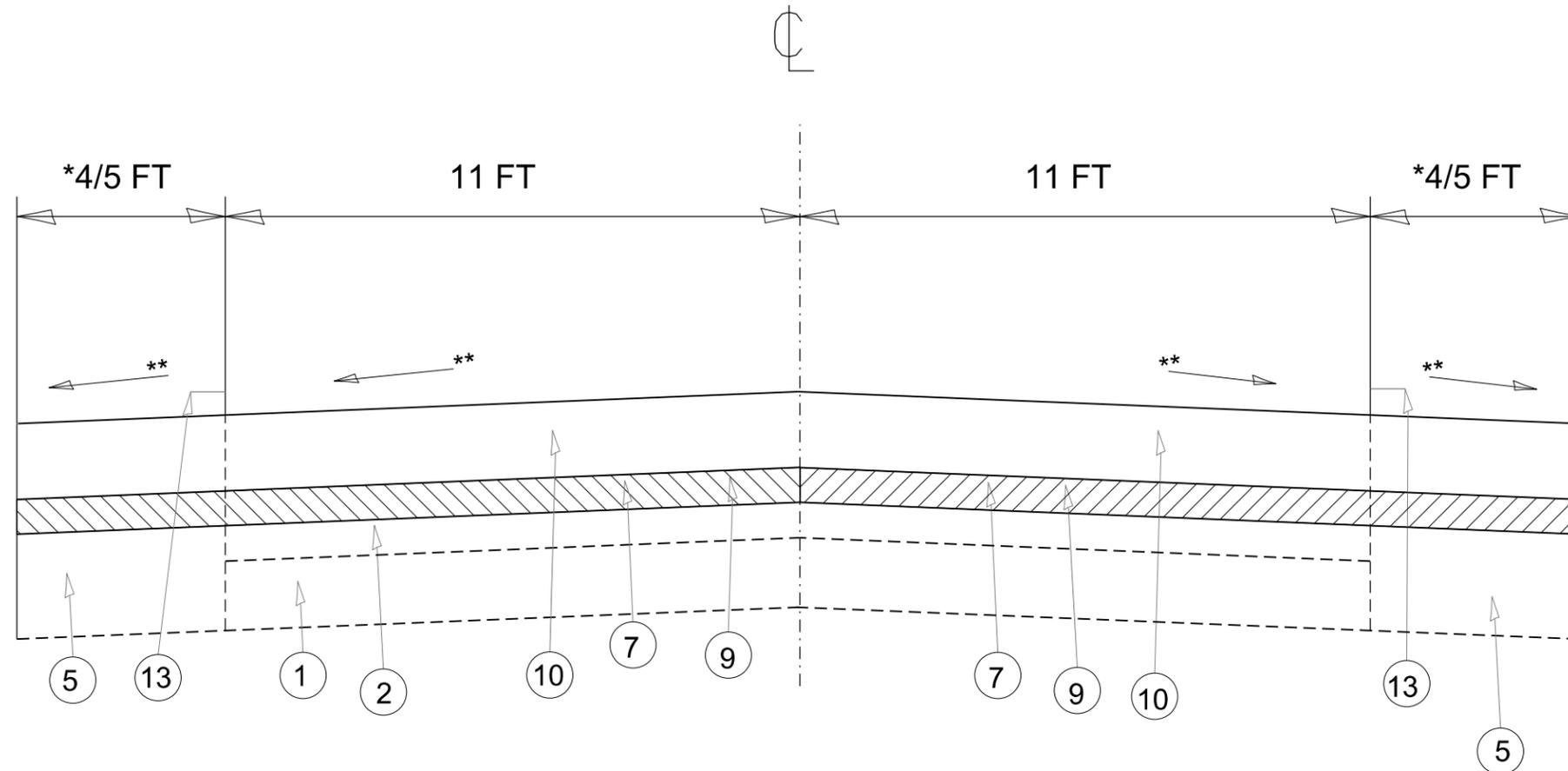
IL 91

STA. 294+08 TO 301+28 (LT)  
295+05 TO 301+28 (RT)

- 1/EXISTING PCC PAVEMENT
- 2/EXISTING BITUMINOUS OVERLAY
- 3/EXISTING ASPHALIC EMULSION SLURRY SEAL TYPE III
- 4/EXISTING AGGREGATE SHOULDER
- 5/EXISTING HMA SHOULDER
- 6/EXISTING CONCRETE GUTTER
  
- 7/PROPOSED HMA SURFACE REMOVAL 3/4"
- 8/PROPOSED HMA SURFACE REMOVAL VARIABLE DEPTH
- 9/PROPOSED HMA POLY-LEVEL BINDER COURSE 3/4"
- 10/PROPOSED HMA SURFACE COURSE 1 1/2"
- 11/PROPOSED EARTH EXCAVATION WIDENING 6 1/2"
- 12/PROPOSED HMA SHOULDER 8 3/4"
- 13/PROPOSED MODIFIED URETHANE PAVEMENT MARKING
- 14/PROPOSED AGGREGATE WEDGE SHOULDER TYPE B
- 15/PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT

**\*\* MATCH EXISTING SLOPE**

FILE NAME = D468981-sht-cover.dgn	USER NAME = aubreys	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>	F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 400.0000' / in.	CHECKED - _____	REVISED - _____			1379	108R5-5	STARK	30	10
Default	PLOT DATE = 1/8/2015	DATE - _____	REVISED - _____	SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____		RTE: IL 91		CONTRACT NO. 68981		
ILLINOIS FED. AID PROJECT										



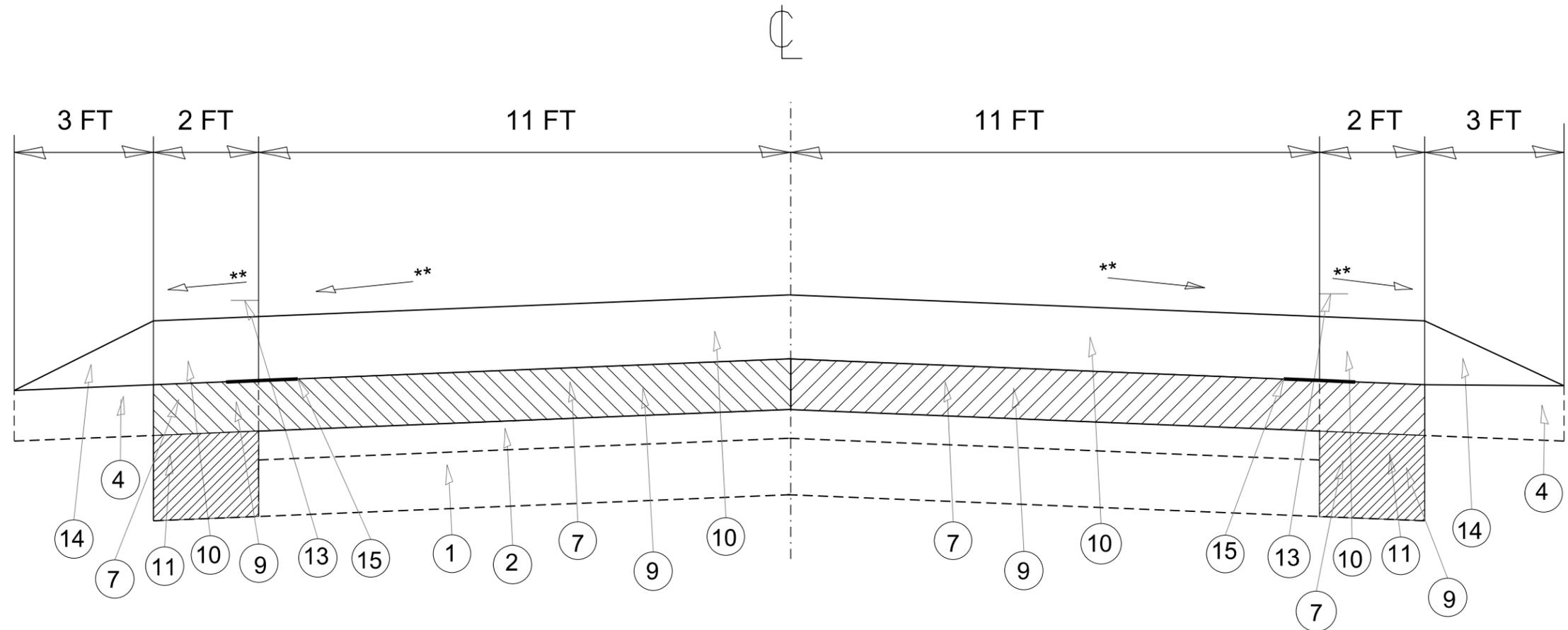
IL 91

STA. 46+00 TO 63+54 / @ 4 FT \*  
210+02 TO 217+40 / @ 5 FT \*

- 1/EXISTING PCC PAVEMENT
- 2/EXISTING BITUMINOUS OVERLAY
- 3/EXISTING ASPHALIC EMULSION SLURRY SEAL TYPE III
- 4/EXISTING AGGREGATE SHOULDER
- 5/EXISTING HMA SHOULDER
- 6/EXISTING CONCRETE GUTTER
  
- 7/PROPOSED HMA SURFACE REMOVAL 3/4"
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- 15/PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT

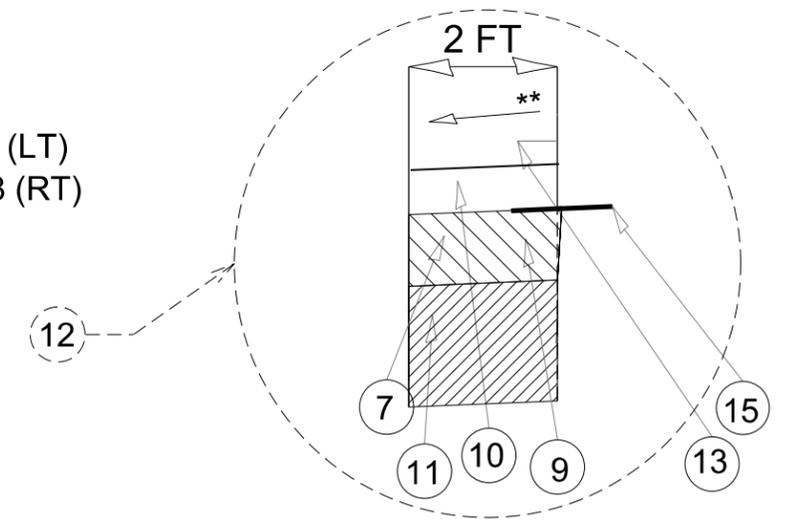
\*\* MATCH EXISTING SLOPE

FILE NAME = D468981-sht-cover.dgn	USER NAME = aubreys	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>	F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 400.0000' / in.	DRAWN - _____	REVISED - _____			1379	108R5-5	STARK	30	11
	PLOT DATE = 1/8/2015	CHECKED - _____	REVISED - _____			RTE: IL 91		CONTRACT NO. 68981		ILLINOIS FED. AID PROJECT
				SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____						



IL 91

STA. 0+90 TO 46+00  
 63+54 TO 210+02  
 217+40 TO 294+08 (LT)  
 TO 301+28 (RT)  
 301+28 TO 306+75



**\*\* MATCH EXISTING SLOPE**

- 1/EXISTING PCC PAVEMENT
- 2/EXISTING BITUMINOUS OVERLAY
- 3/EXISTING ASPHALIC EMULSION SLURRY SEAL TYPE III
- 4/EXISTING AGGREGATE SHOULDER
- 5/EXISTING HMA SHOULDER
- 6/EXISTING CONCRETE GUTTER
- 7/PROPOSED HMA SURFACE REMOVAL 3/4"
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- 15/PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT

FILE NAME = D468981-sht-cover.dgn	USER NAME = aubreys	DESIGNED - _____	REVISED - _____
Default	PLOT SCALE = 400.0000' / in.	DRAWN - _____	REVISED - _____
	PLOT DATE = 1/8/2015	CHECKED - _____	REVISED - _____
		DATE - _____	REVISED - _____

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

SCALE: \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	108R5-5	STARK	30	12
RTE: IL 91		CONTRACT NO. 68981		
ILLINOIS FED. AID PROJECT				

STA. TO STA.			LENGTH	WIDTH	AREA	HMA SURFACE REMOVAL (3/4")	HMA SURFACE REMOVAL VAR. DEPTH	HMA SURFACE REMOVAL (2 1/4")	POLY-LEV. BINDER (MM), IL-4.75 N50 (3/4")	HMA SURF CSE MIX "D" N 50 (1 1/2")	POLY-BIT MAT (PR CT)	HMA SHOULDER 4 FT, 2 1/4"	HMA SHOULDER 5 FT, 2 1/4"	HMA SHOULDER 2 FT, 8 3/4"	MATERIAL TRANSFER DEVICE (MTD)	AGGRGATE WEDGE SHOULDER TYPE "B"	STRIP REFL CRACK CONTROL TREATMENT	HMA INCIDENTAL
			FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	POUND	TON	TON	TON	TON	TON	FT	TON
IL 91 MAIN LINE																		
0+90	TO	46+00	4,510	22	11,024	11,024			463	926	7			982	1,642	600	9,020	
46+00	TO	63+54	1,754	22	4,288	4,288			180	360	3	196			737			
63+54	TO	210+02	14,648	22	35,806	35,806			1,504	3,008	23			3,190	5,332	1,948	29,296	
210+02	TO	217+40	738	22	1,804	1,804			76	152	1		103		331			
217+40	TO	294+08	7,668	22	18,744	18,744			787	1,574	12			1,670	2,791	1,020	15,336	
294+08	TO	301+30	722	22	1,765		1,765		74	148	2				222			
301+35	TO	306+75	540	22	1,320	1,320			55	111	2			118	197	72	1,080	
PARTIAL DEPTH PATCH ON NB & SB LANES @ 1100 N. RD																		
156+17	TO	157+42	125	22	306			306	26	51	1			0	77	0		
MILLING & PAVING 4" WIDER MAINLINE (SEE JOB SPECIFIC NOTES)																		
0+90	TO	306+75	30,585	0.3	1,133	1,133			48	95	2				143			
SIDE ROADS, ENTRANCES & MAILBOX TURNOUT					3,400	3,400					3							493
SUB-TOTAL												196	103	5,960				
GRAND TOTAL			30,585		74,751	77,519	1,765	306	3,213	6,426	96,008	6,259			11,471	3,640	54,732	493

EARTH EXCAVATION WIDENING				CU.YD
STA.	TO	STA.	FT	
0+90	TO	46+00	9020	367
46+00	TO	63+54		
63+54	TO	210+02	29296	1194
210+02	TO	217+40		
217+40	TO	294+08	15336	625
294+08	TO	301+35		
301+35	TO	306+75	1080	44
<b>TOTAL</b>				<b>2230</b>

STATION		BUTT JOINTS	TEMP RAMP
		SQ YD	SQ YD
JOB BEGIN	0+90	117	26.0
JOB ENDS	306+75	117	26.0
<b>TOTAL</b>		<b>234</b>	<b>52</b>

GUARDRAIL REMOVAL			
STA	TO	STA	FT
22+25	TO	26+14	389
21+23	TO	27+40	617
102+57	TO	105+55	298
102+57	TO	105+79	322
TOTAL			1626

L. S. GUARDRAIL, 12 FT 6 IN SPAN				FT
RT & LT @ 8' x 8' Culvert				
STA	TO	STA	FT	
23+75	TO	25+37	326	
L. S. GUARDRAIL, 18 FT 9 IN SPAN				FT
RT & LT @ 10' x 10' Culvert				
103+38	TO	105+07	338	
TOTAL			664	

STATION	TRAF BAR TERM TY 1 SPL TANGENT @ 50' EACH	TERMINAL MARKERS DIRECT APPLIED
(RT & LT)	EACH	EACH
23+25 TO 23+75	2	2
25+37 TO 25+87	2	2
102+88 TO 103+38	2	2
105+07 TO 105+57	2	2
TOTAL	8	8

GUARDRAIL AGGREGATE EROSION CONTROL			TON
23+25	TO	25+87	186
102+88	TO	105+57	211
TOTAL			397

GUARDRAIL MARKERS TYPE A			EACH
STA	TO	STA	
23+25	TO	25+87	14
102+88	TO	105+57	14
TOTAL			28

FILE NAME = D468981-sht-cover.dgn	USER NAME = aubreys	DESIGNED - _____	REVISED - _____
Default	PLOT SCALE = 400.0000' / in.	DRAWN - _____	REVISED - _____
	PLOT DATE = 1/8/2015	CHECKED - _____	REVISED - _____
		DATE - _____	REVISED - _____

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITY

SCALE: \_\_\_\_\_ SHEET \_\_\_\_ OF \_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	108R5-5	STARK	30	14
RTE: IL 91			CONTRACT NO. 68981	
ILLINOIS FED. AID PROJECT				

STATION TO STATION			LENGTH	SHORT -TERM	WORK ZONE
				PVT MARKING	PVT MRK
			FT	FT	SQ FT
0+90	TO	306+75	30,585	13,763	11,469
<b>TOTAL</b>				<b>13,763</b>	<b>11,469</b>

RAISED REFLECTIVE PAVEMENT MARKERS PLACEMENT				
RAISED REFLECTIVE PAVEMENT MARKERS REMOVAL				
IL 91				
STA	TO	STA	EACH	EACH
0+90	TO	306+75	382	382
<b>TOTAL</b>			<b>382</b>	<b>382</b>

MODIFIED URETHANE & TEMPORARY PAVEMENT MARKING SCHEDULE							
LOCATION			LENTGH	LINE 4"	SKIP DASH 4"	LINE 4"	LINE-24"
				WHITE	YELLOW	YELLOW	WHITE
				FT	FT	FT	FT
<b>IL 91 / TOULON</b>							
0+90	TO	306+75	30,585	68,816			13
0+90	TO	7+20	630		158		
7+20	TO	15+58	838		210	838	
15+58	TO	24+55	897		224	897	
24+55	TO	27+23	268		67		
27+23	TO	37+04	981		245	981	
37+04	TO	48+00	1,096		274	1,096	
48+00	TO	62+00	1,400		350		
62+00	TO	70+27	827		207	827	
70+27	TO	71+77	150		38		
71+77	TO	78+67	690		173	690	
78+67	TO	81+41	274			548	
81+41	TO	91+95	1,054		264	1,054	
91+95	TO	100+83	888		222	888	
100+83	TO	108+67	784		196		
108+67	TO	117+34	867		217	867	
117+34	TO	126+57	923		231	923	
126+57	TO	190+64	6,407		1,602		
190+64	TO	199+46	882		221	882	
199+46	TO	210+45	1,099		275	1,099	
210+45	TO	282+68	7,223		1,806		
282+68	TO	300+19	1,751		438	1,751	
300+19	TO	306+75	656			1,312	13
<b>SUB-TOTAL</b>				<b>68,816</b>	<b>7,414</b>	<b>14,653</b>	<b>26</b>
<b>GRAND TOTAL</b>				<b>90,883</b>			<b>26</b>

<b>ENGINEER'S FIELD OFFICE TYPE A</b>	<b>CAL MO</b>
JOB SITE	3
<b>TOTAL</b>	<b>3</b>

<b>MOBILIZATION</b>	<b>L SUM</b>
JOB SITE	1
<b>TOTAL</b>	<b>1</b>

<b>CONSTRUCTION STATION LAYOUT</b>	<b>L. SUM</b>
JOB SITE	1
<b>TOTAL</b>	<b>1</b>

<b><u>2</u> SIGNS <u>3</u> CALENDER DAYS EACH</b>	<b>6</b>
<b>TOTAL</b>	<b>6</b>

<b>TRAFFIC CONTROL SURVEILLANCE</b>	<b>CAL. DAY</b>
JOB SITE	10
<b>TOTAL</b>	<b>10</b>

<b>TRAF CONT &amp; PROT STD 701306</b>	<b>L. SUM</b>
JOB SITE	1
<b>TOTAL</b>	<b>1</b>

<b>TRAF CONT &amp; PROT STD 701326</b>	<b>L. SUM</b>
JOB SITE	1
<b>TOTAL</b>	<b>1</b>

<b>SEE REFERENCE SHEETS</b>	<b>2</b>
<b>TOTAL</b>	<b>2</b>

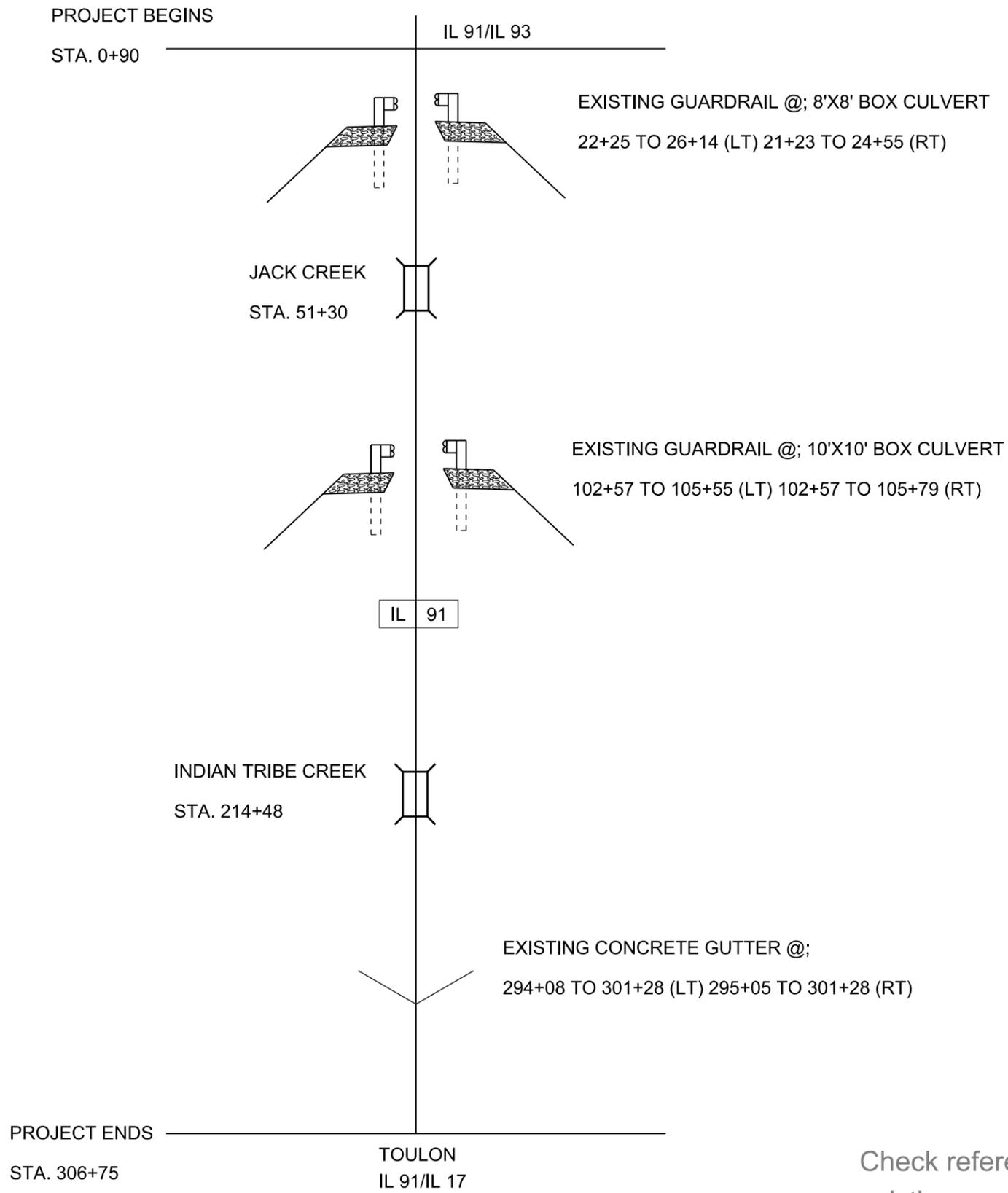
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Default	PLOT SCALE = 400.0000' / in.	DRAWN - _____	REVISED - _____
	PLOT DATE = 1/23/2015	CHECKED - _____	REVISED - _____
		DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITY**

SCALE: \_\_\_\_\_ SHEET \_\_\_\_ OF \_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

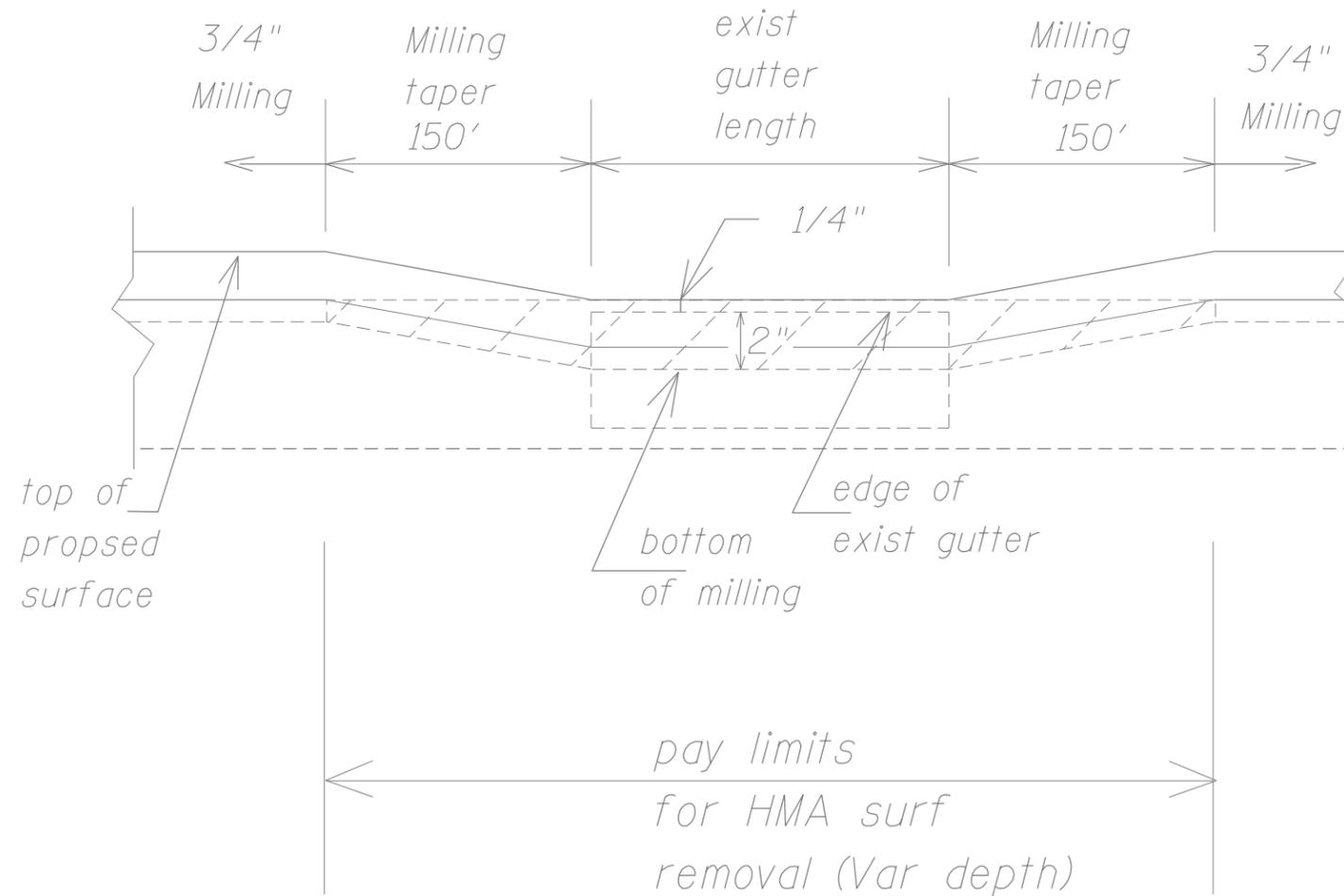
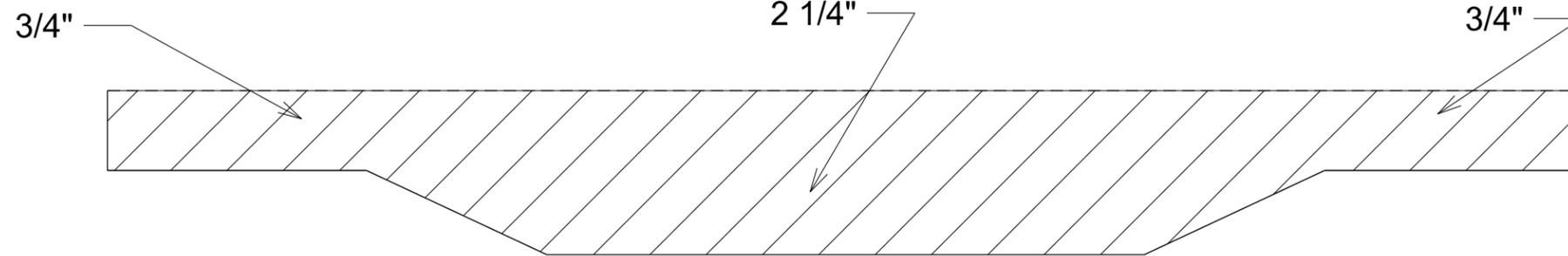
F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	108R5-5	STARK	30	17
RTE: IL 91			CONTRACT NO. 68981	
ILLINOIS FED. AID PROJECT				



Check reference sheets & job specific notes for, existing survey markers location.

FILE NAME = D468981-sht-plan.dgn	USER NAME = aubreygs	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LINE DIAGRAM</b>			F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 400.0000' / in.	CHECKED - _____	REVISED - _____		1379	108RS-5	STARK	30	18			
Default	PLOT DATE = 1/8/2015	DATE - _____	REVISED - _____		SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____			RTE: IL 91		CONTRACT NO. 68981		
ILLINOIS FED. AID PROJECT												





DRAWING NOT TO SCALE

FILE NAME = D468981-sht-details.dgn	USER NAME = aubreygs	DESIGNED - _____	REVISED - _____
Default	PLOT SCALE = 400.0000' / in.	DRAWN - _____	REVISED - _____
	PLOT DATE = 1/8/2015	CHECKED - _____	REVISED - _____
		DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

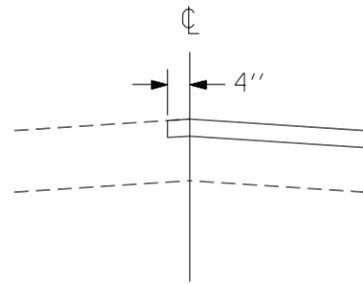
**CONCRETE GUTTER DETAIL**

SCALE: \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

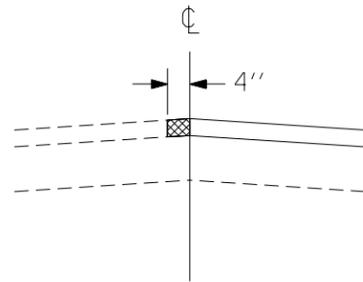
F.A.S 1379	SECTION 108RS-5	COUNTY STARK	TOTAL SHEETS 30	SHEET NO. 20
RTE: IL 91		CONTRACT NO. 68981		

ILLINOIS FED. AID PROJECT

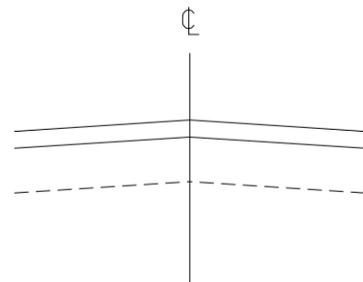
ALTERNATE A



1. MILL EASTBOUND LANE 4" WIDER THAN CENTERLINE
2. PAVE EASTBOUND LANE TO FACE OF MILLED EDGE

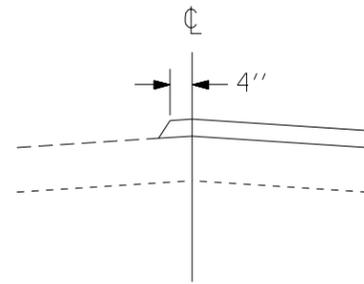


3. MILL WESTBOUND LANE TO EXISTING CENTERLINE

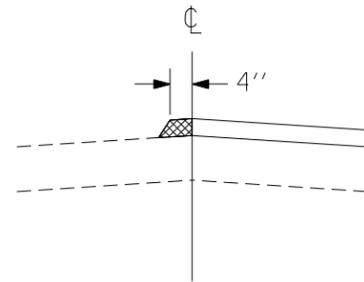


4. PAVE WESTBOUND LANE

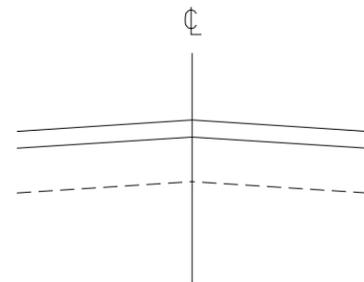
ALTERNATE B



1. MILL BOTH PAVEMENT LANES
2. PAVE EASTBOUND LANE 4" PAST EXISTING CENTERLINE



3. MILL WESTBOUND LANE TO CENTERLINE



4. PAVE WESTBOUND LANE

DRAWING NOT TO SCALE

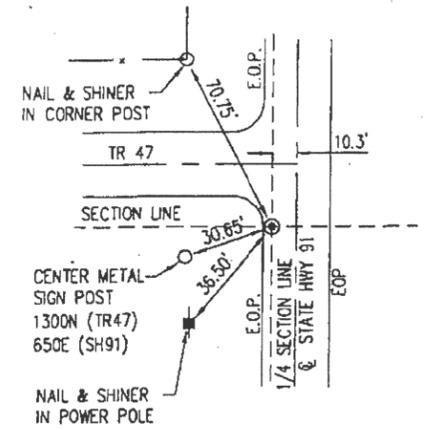
FILE NAME = D468981-sht-details.dgn	USER NAME = aubreygs	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MILLING &amp; PAVING SEQUENCE</b>		F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 400.0000' / in.	CHECKED - _____	REVISED - _____				1379	108RS-5	STARK	30	21
Default	PLOT DATE = 1/8/2015	DATE - _____	REVISED - _____		SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____	RTE: IL 91		CONTRACT NO. 68981		ILLINOIS FED. AID PROJECT	

### "MONUMENT RECORD"

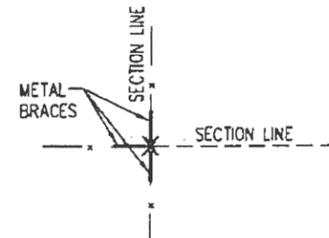
LAND SURVEY MONUMENTS SITUATED IN  
SECTION 30 TWP 14 NORTH  
RANGE 6 EAST 4TH P.M.  
STARK COUNTY, IL

NORTH  
(NOT TO SCALE)

53108



**SOUTHWEST CORNER, SOUTHEAST 1/4**  
PK NAIL & SHINER (SET)



FILE NAME =  
D468981-sht-ATB.dgn  
Default

USER NAME = aubreygs  
PLOT SCALE = 400.0000' / in.  
PLOT DATE = 1/8/2015

DESIGNED - \_\_\_\_\_  
DRAWN - \_\_\_\_\_  
CHECKED - \_\_\_\_\_  
DATE - \_\_\_\_\_

REVISED - \_\_\_\_\_  
REVISED - \_\_\_\_\_  
REVISED - \_\_\_\_\_  
REVISED - \_\_\_\_\_

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REFERENCE SHEETS ONLY**

SCALE: \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	108RS-5	STARK	30	22
RTE: IL 91			CONTRACT NO. 68981	

ILLINOIS FED. AID PROJECT

**"MONUMENT RECORD"**

LAND SURVEY MONUMENTS SITUATED IN  
 SECTION 30 TWP 14 NORTH  
 RANGE 6 EAST 4TH P.M.  
 STARK COUNTY, IL.

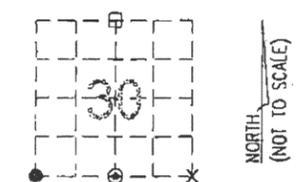
STATE OF ILLINOIS } No. 86250  
 COUNTY OF STARK } SS.

This Instrument was filed for record  
 in the Recorder's Office to the County  
 aforesaid on the 30<sup>th</sup> day of Sept.  
 A.D. 2002 at 10:25 o'clock A.M.

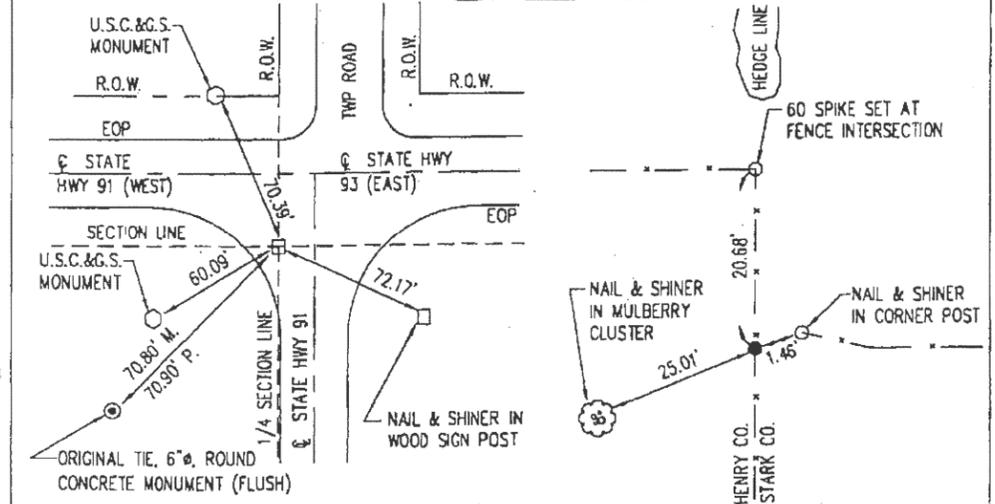
Linda K. Pyell  
 County Clerk and Recorder

By Valerie S. Wagner  
 Deputy

SPACE RESERVED FOR RECORDING OFFICER



**RECOVERY TIE DRAWING**



**NORTHWEST CORNER, NORTHEAST 1/4**

4"X4" IRON MARKER W/ "X" IN CONCRETE  
 (FOUND) BURIED 6" IN PAVEMENT AS PER  
 SURVEYORS RECORD 1, PAGE 30B  
 SET RAILROAD SPIKE OVER MARKER

**SOUTHWEST CORNER**

5/8" IRON PIN (SET) & CAP

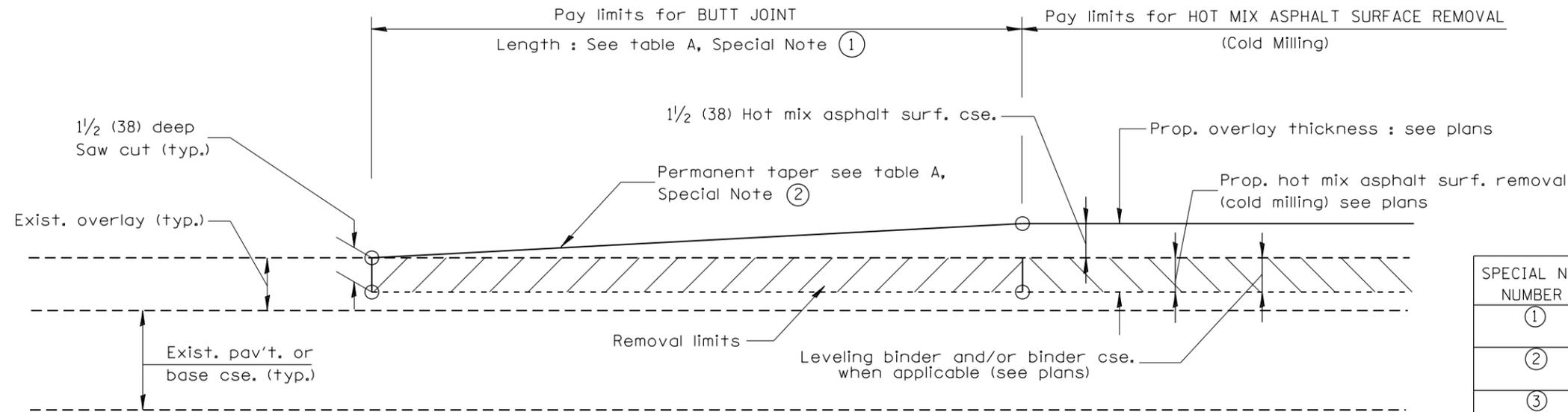


I, JEFFREY B. MEYER, HEREBY CERTIFY THAT  
 THIS DOCUMENT WAS PREPARED UNDER MY  
 DIRECTION IN ACCORDANCE WITH THE LAND  
 SURVEY MONUMENT ACT CHAPTER 765 ILCS  
 220.

Jeffrey B. Meyer 9/25/02  
 ILL. PLS. NO. 035-002977 DATE

FILE NAME = D468981-sht-ATB.dgn	USER NAME = aubreygs	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REFERENCE SHEETS ONLY</b>	F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 400.0000' / in.	DRAWN - _____	REVISED - _____			1379	108RS-5	STARK	30	23	
	PLOT DATE = 1/8/2015	CHECKED - _____	REVISED - _____			RTS: IL 91		CONTRACT NO. 68981			
		DATE - _____	REVISED - _____			SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT			

DESIGNER NOTES:  
 1. Include District Special Provision for Butt Joints & for Hot Mix Asphalt Removal (Cold Milling).  
 2. The butt joints pay item includes the saw cut & temporary ramp. Payment for the Butt Joint applies whether or not the project features Hot Mix Asphalt Removal (Cold Milling).



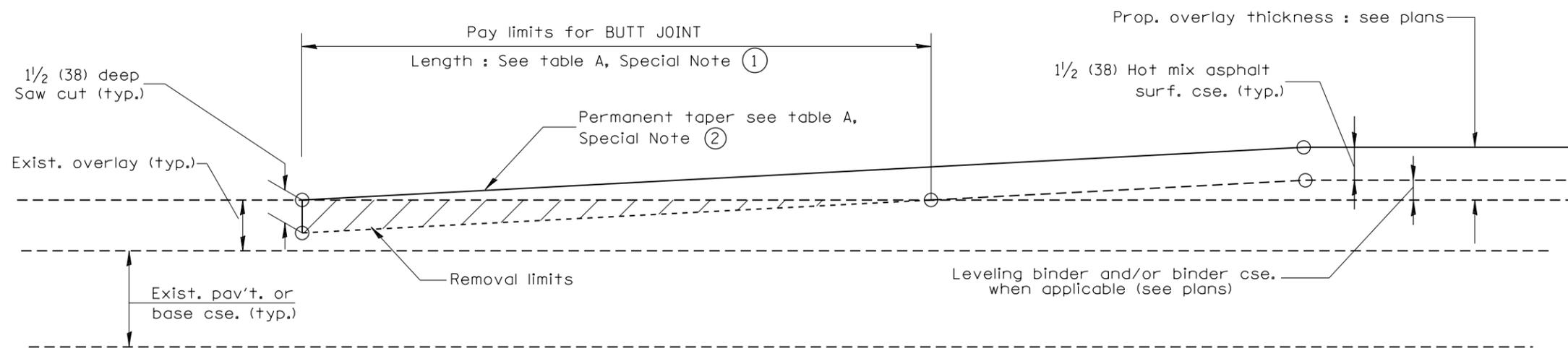
**CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

**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**

- The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
- 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.
- 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.

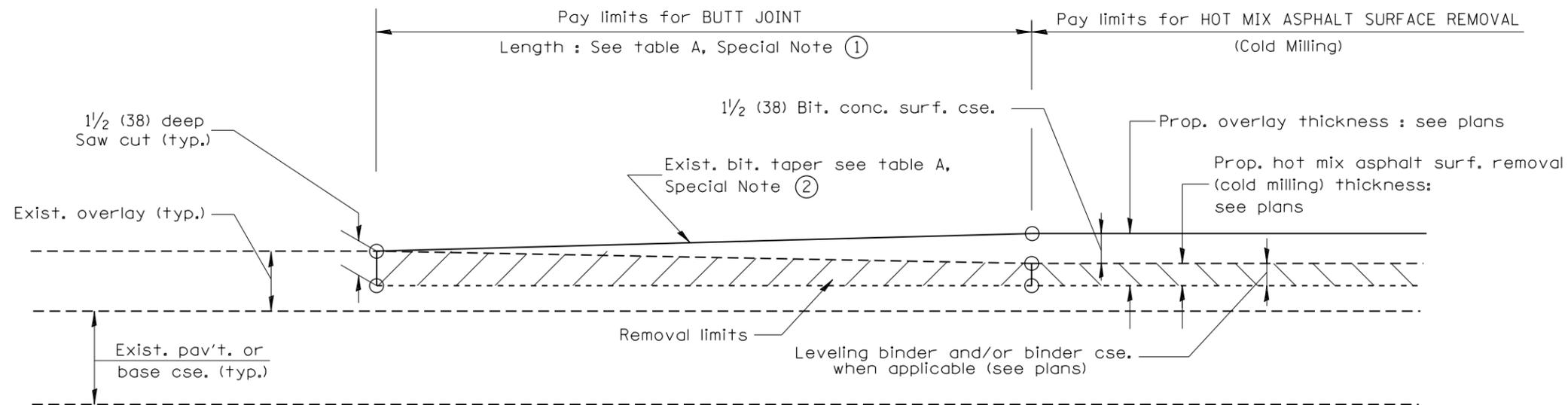
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BUTT JOINTS**

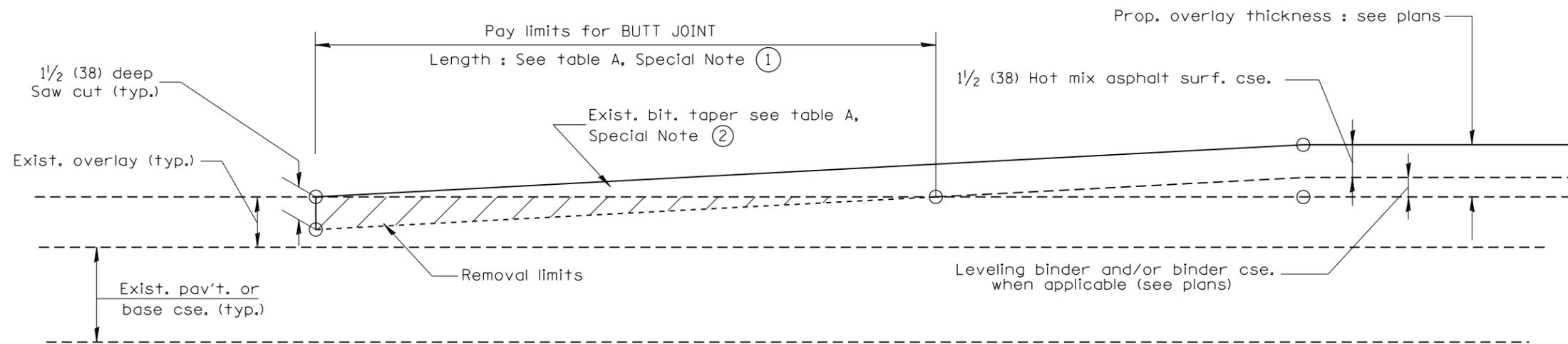
NOT TO SCALE

SHT. 1 OF 3  
CADD STD. 406101-D4

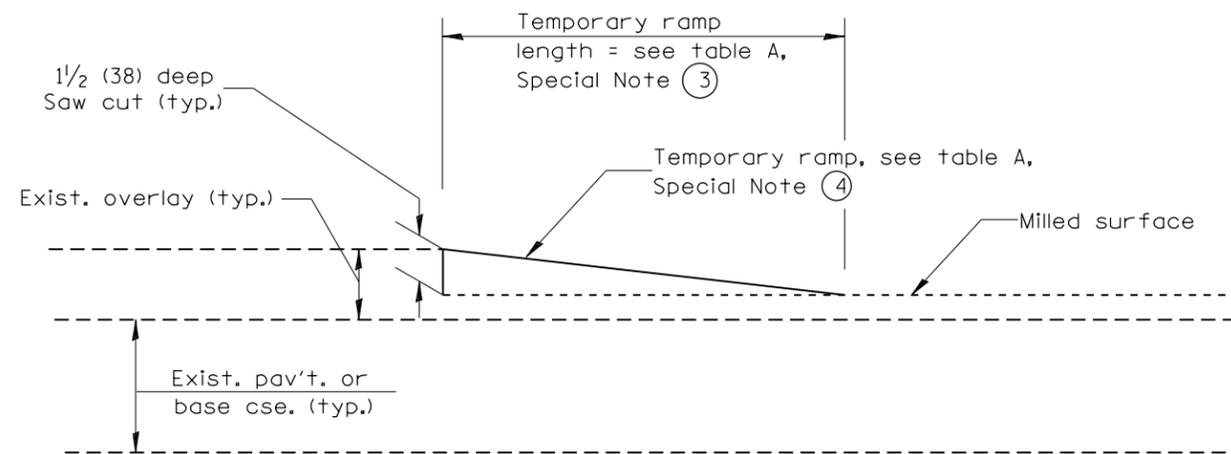
F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	108RS-5	STARK	30	24
RTE: IL 91		CONTRACT NO. 68981		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**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.

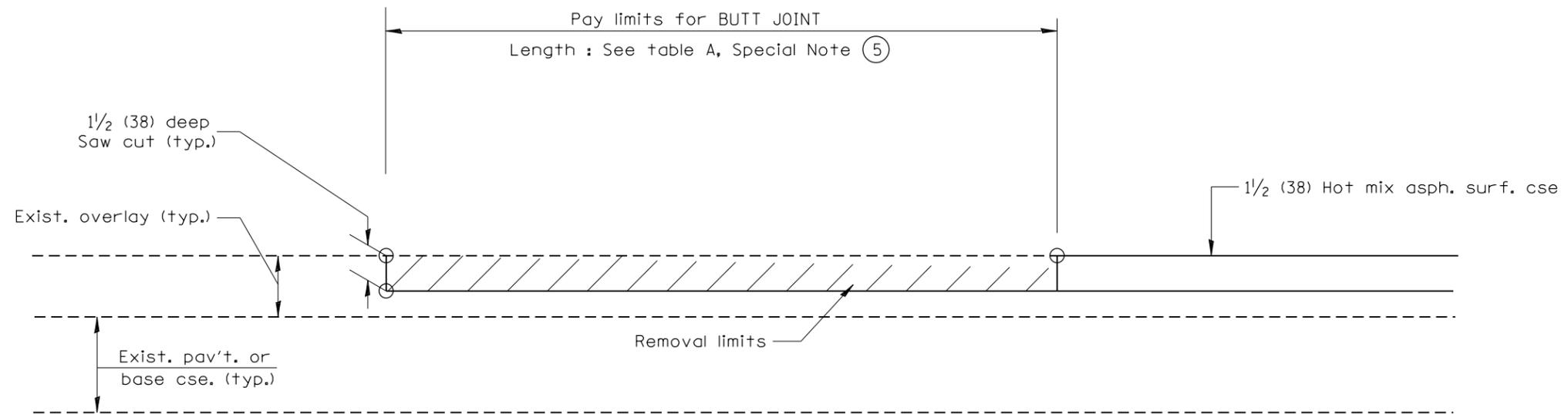

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

NOT TO SCALE

SHT. 2 OF 3  
CADD STD. 406101-D4

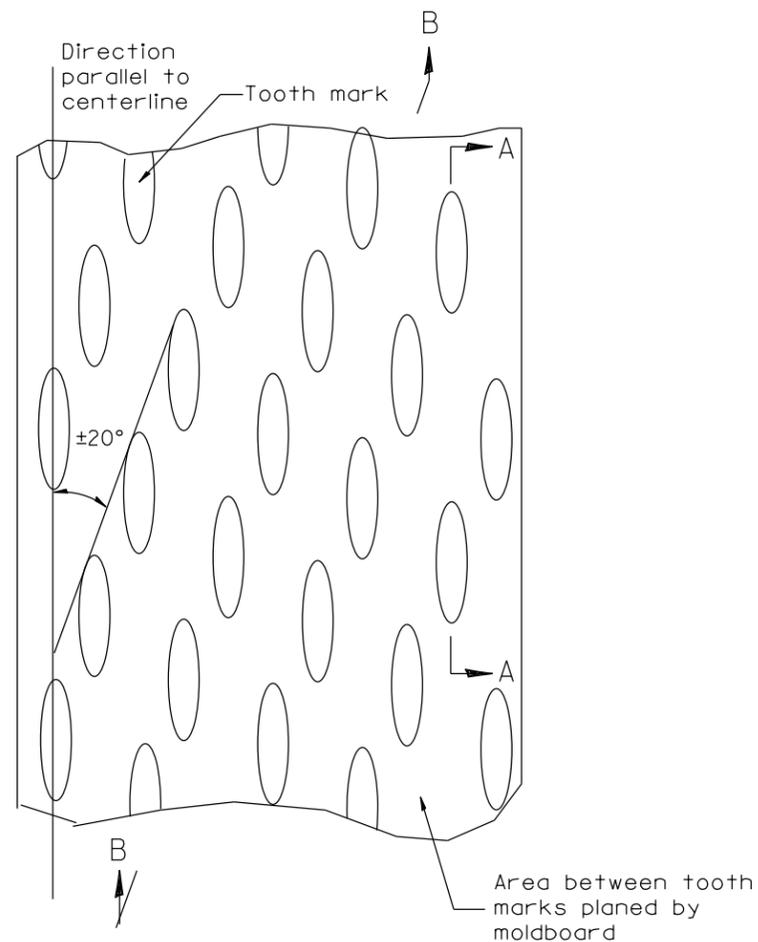
F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	108RS-5	STARK	30	25
RTE: IL 91		CONTRACT NO. 68981		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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.

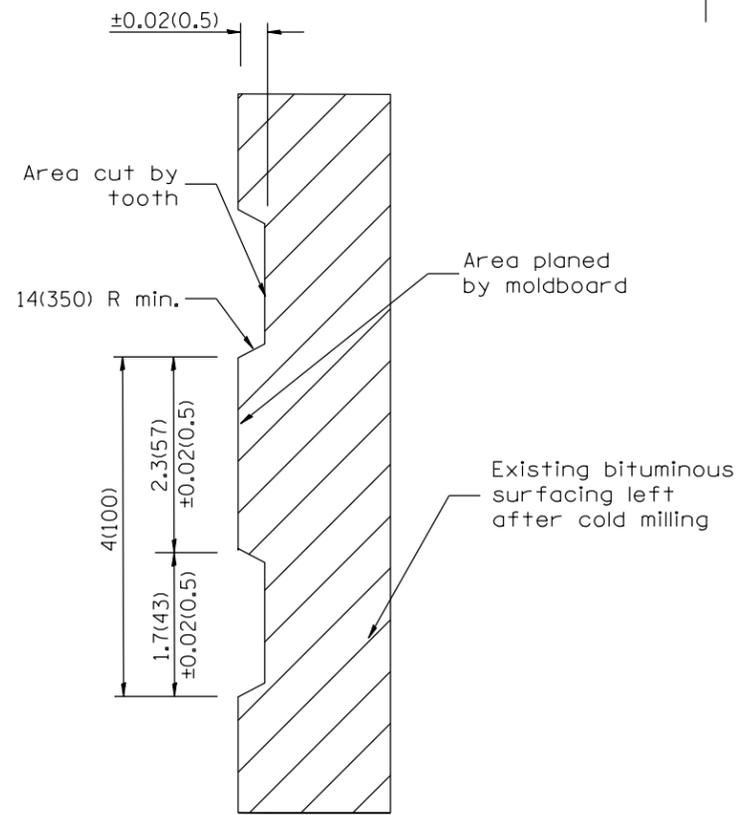
				<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>BUTT JOINTS</b>		SHT. 3 OF 3 CADD STD. 406101-D4		<table border="1"> <tr> <td>F.A.S</td> <td>SECTION</td> <td>COUNTY</td> <td>TOTAL SHEETS</td> <td>SHEET NO.</td> </tr> <tr> <td>1379</td> <td>108RS-5</td> <td>STARK</td> <td>30</td> <td>26</td> </tr> <tr> <td colspan="2">RTE: IL 91</td> <td colspan="3">CONTRACT NO. 68981</td> </tr> <tr> <td colspan="2">FED. ROAD DIST. NO.</td> <td colspan="3">ILLINOIS FED. AID PROJECT</td> </tr> </table>		F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	1379	108RS-5	STARK	30	26	RTE: IL 91		CONTRACT NO. 68981			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																											
1379	108RS-5	STARK	30	26																											
RTE: IL 91		CONTRACT NO. 68981																													
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT																													
				NOT TO SCALE																											



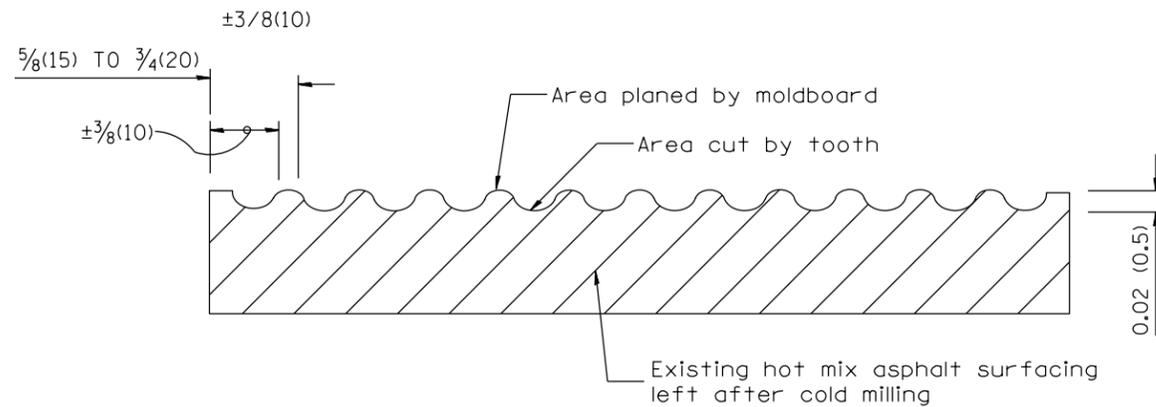
PLAN

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

DESIGNER NOTES:  
1. INCLUDE DISTRICT SPECIAL PROVISION, IF APPLICABLE.

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

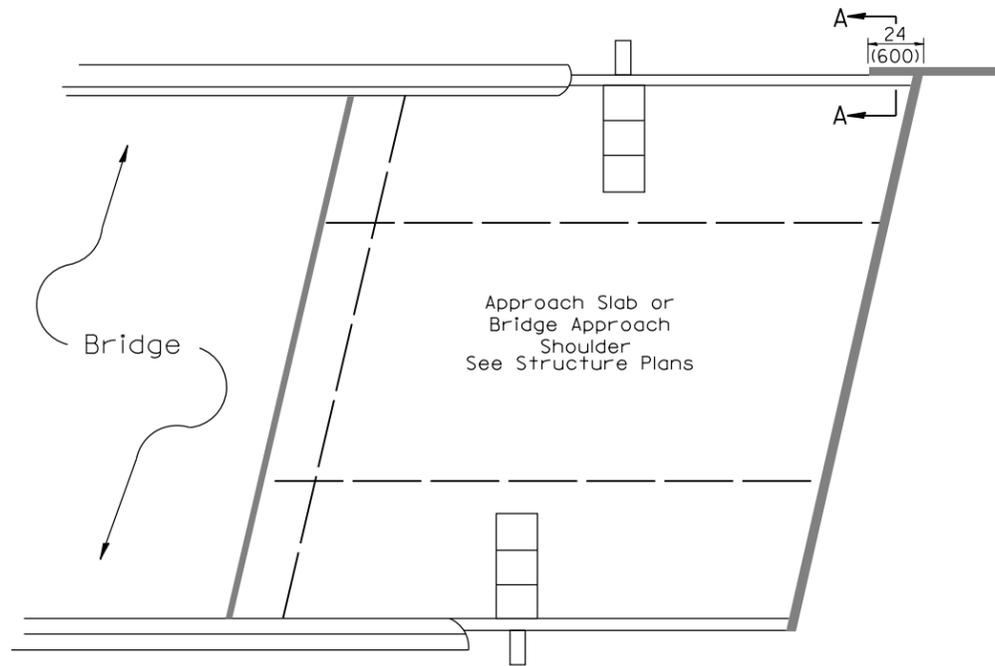
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

NOT TO SCALE

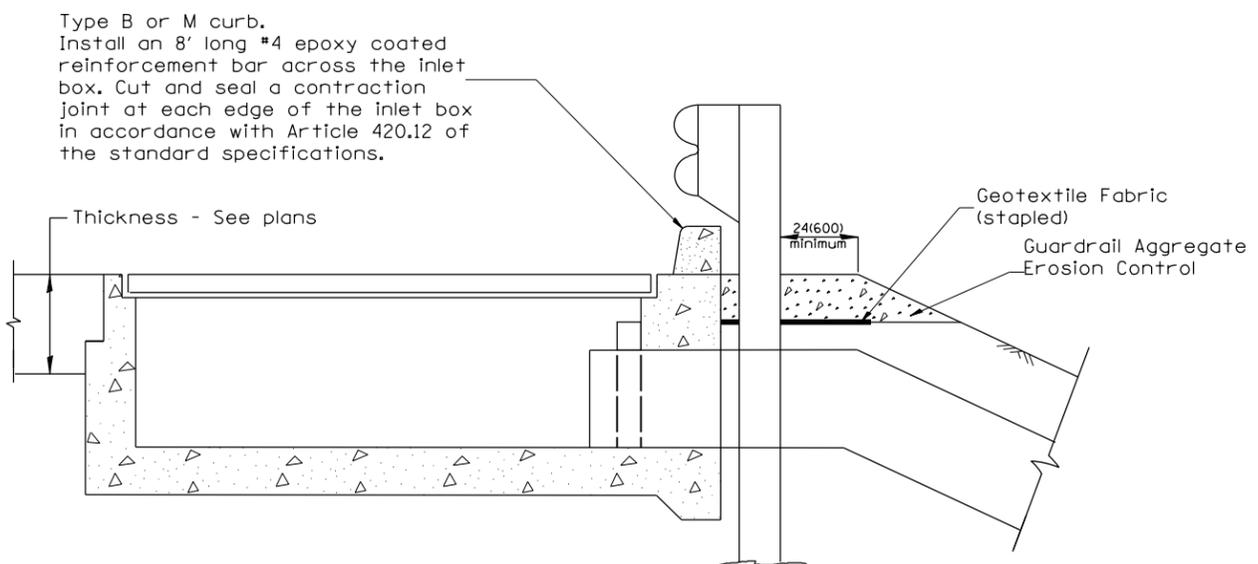
CADD STD. 440001-D4

F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	108RS-5	STARK	30	27
RTE: IL 91		CONTRACT NO. 68981		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

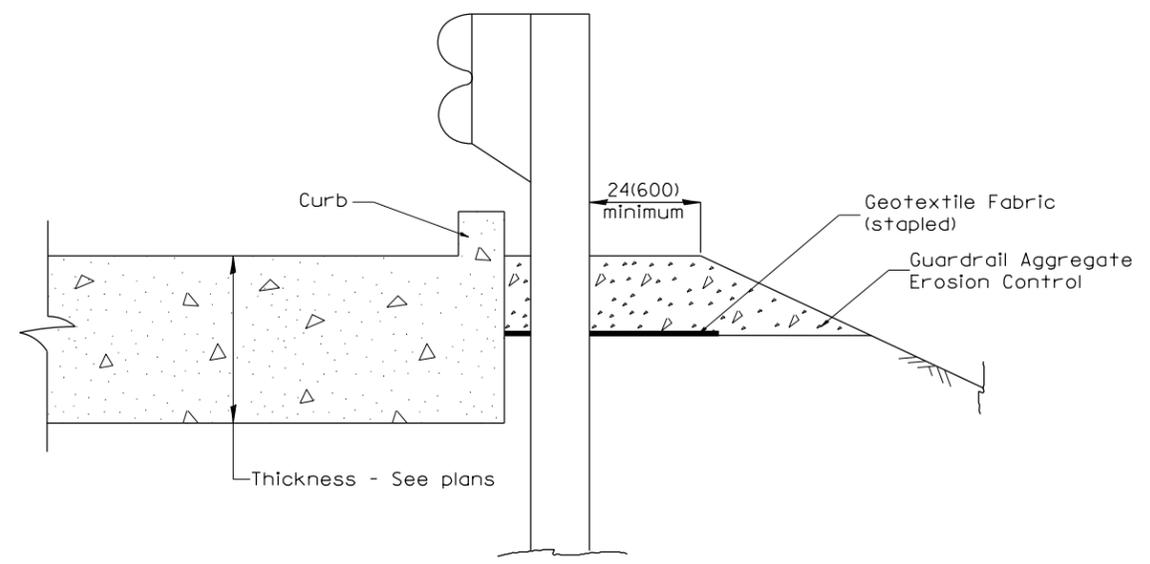




**PLAN VIEW**  
**APPROACH SLAB OR BRIDGE APPROACH SHOULDER**  
 (STANDARD 609001 or 609006)



**TYPICAL SECTION AT INLETS**  
**TYPE E & F (STANDARD 610001)**



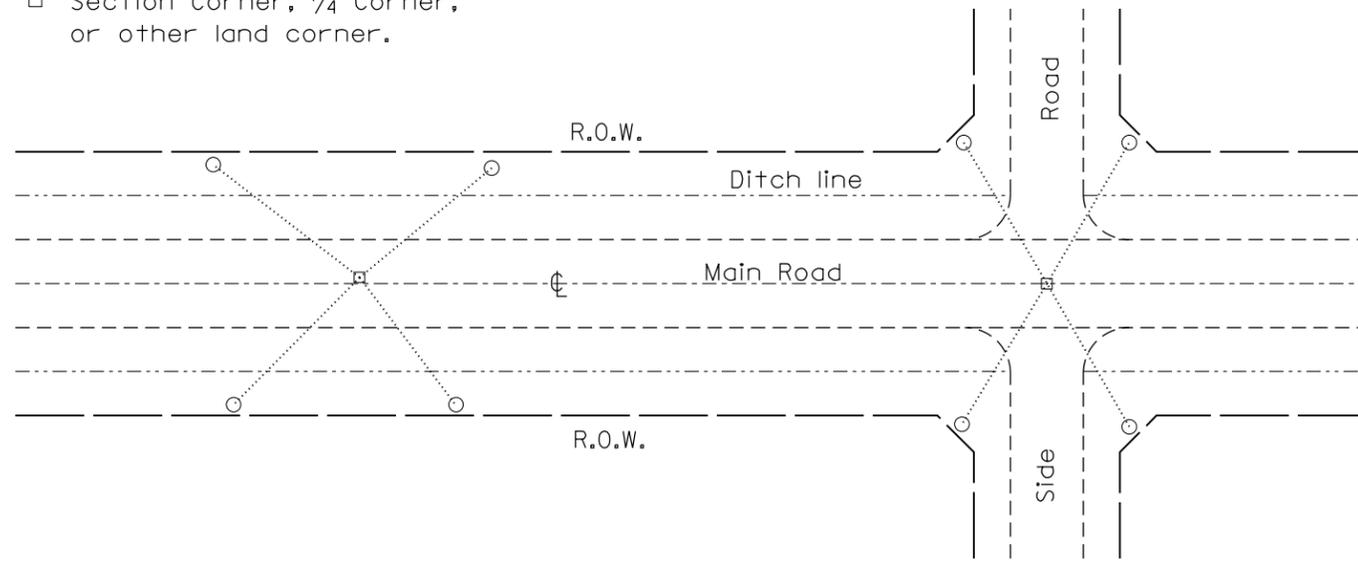
**SECTION A-A**  
**TYPICAL SECTION WITH BRIDGE APPROACH CURB**

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

				<b>STATE OF ILLINOIS</b>	<b>GUARDRAIL EROSION CONTROL TREATMENTS</b>	F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				<b>DEPARTMENT OF TRANSPORTATION</b>	NOT TO SCALE	1379	108RS-5	STARK	30	29
					SHT. 2 OF 2	RTE: IL 91				CONTRACT NO. 68981
						FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**PERMANENT SURVEY TIES**

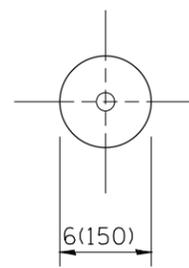
- Permanent Survey Tie
- Section Corner, 1/4 Corner, or other land corner.



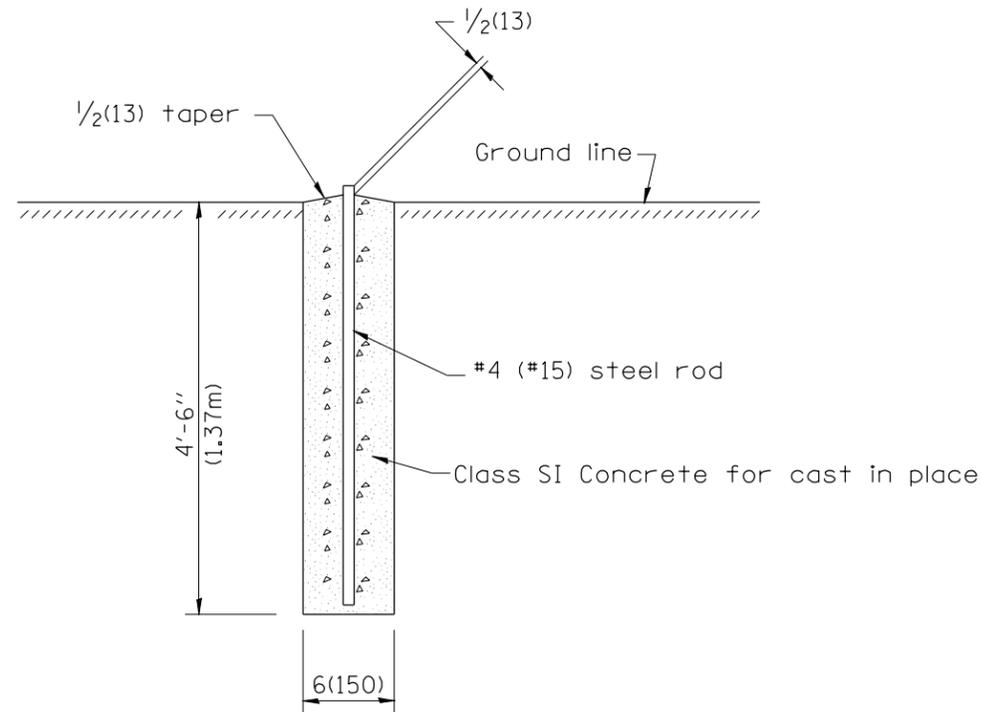
**TYPICAL APPLICATION**

**GENERAL NOTES**

1. The marker shall be cast in place of Class SI Concrete.
2. Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
3. The tie distances to the section corner shall be measured and recorded by the surveyor setting the PSM. All ties shall be turned over to the IDOT Chief of Surveys or Chief of Plats for recordation.
4. All documentation shall be performed by a PLS

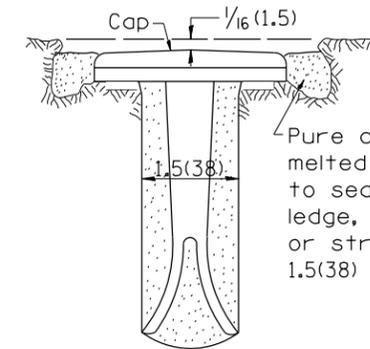
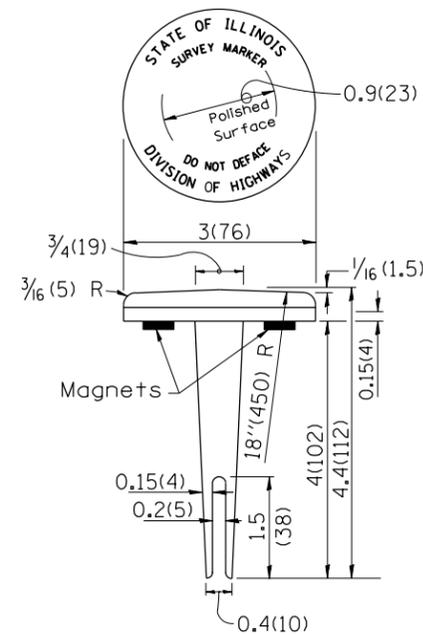


**PLAN**



**SECTION**

**PERMANENT SURVEY MARKERS**



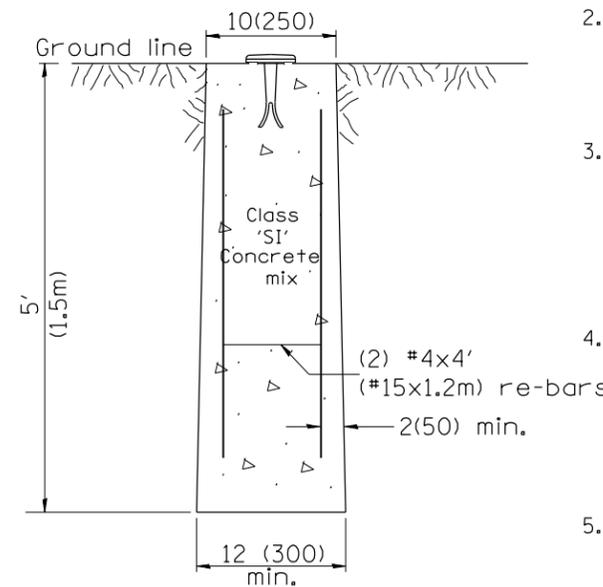
Pure cement and water or melted sulfur. User to seal tablet in rock ledge, concrete pavement or structure, set in hole 1.5(38) in diameter.

**INSTALLED**

**TYPE I**

**GENERAL NOTES**

1. All type II markers shall be cast in place, and precast markers will not be allowed.
2. Two permanent magnets, each having a diameter of 3/4 (19) and a thickness of 1/4 (6), or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.
3. The location of the markers shall be in accordance with the plans in general, the markers will be placed at the P.T.'s, P.C.'s, and P.I.'s located within the R.O.W. of horizontal curves and spaces along the tangents in a way that a minimum of two markers are always inter-visible, and not to exceed 1000' (300m).
4. The markers shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner in order that there will be no further settlement or horizontal shifting. The monuments shall be placed in a way that the survey point will fall within the portion of the plaque provided for that purpose.
5. The project designation, the centerline station, the survey point, and the elevation shall be permanently marked by the use of metal dies after marker has been installed.



**MARKER CAST IN PLACE TYPE II**

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

DESIGNER NOTES:  
 1. ADD DISTRICT SPECIAL PROVISION IF PLACING A TYPE I MARKER ON A STRUCTURE.  
 2. MODIFIES STATE STD 667101. DON'T USE STATE STD IF USING CADD STANDARD  
 3. PERMANENT SURVEY MARKERS SHALL BE PLACED TO PERPETUATE THE SURVEY LINES OF DIVIDED HIGHWAYS AND THE CENTERLINE OF ALL OTHERS WHERE THESE LINES HAVE BEEN ESTABLISHED BY SURVEY.  
 4. PERMANENT SURVEY MARKERS SHALL BE PLACED AT ALL LAND SECTION CORNERS WITHIN THE STATE R.O.W. WHERE THE MONUMENTS HAVE BEEN FOUND OR RELOCATED BY SURVEY.

01-01-97	RENUM. D-3.01, NEW REVISION BOX, REVISED	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
	TITLE BOX, ADD DESIGNER NOTE		01-04-11	REVISED FOR CORRECTIONS	R.D.
07-07-98	ADD DESIGNER NOTE	J.A.			
05-24-06	REMOVED GEN. NOTE UNDER TIES	M.A.			

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

**PERMANENT SURVEY TIE &  
 PERMANENT SURVEY MARKERS TY.I - TY.II**

CADD STD. 667101-D4

F.A.S	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	108RS-5	STARK	30	30
RTE: IL 91		CONTRACT NO. 68981		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		