

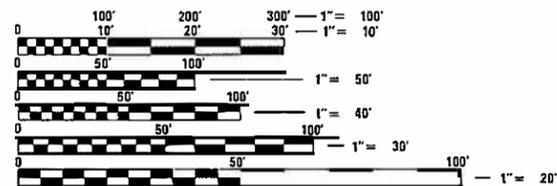
INDEX OF SHEETS 03-05-2021 LETTING ITEM 139

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- 20-21. ADA DETAILS
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**HIGHWAY STANDARDS**

000001-08	701602-10	873001-02
001001-02	701701-10	876001-04
101006	701801-06	
424001-11	701901-08	
424031-02	780001-05	
606001-07	781001-04	
701101-05	862001-01	

**FUNCTIONAL CLASSIFICATION**  
**OTHER PRINCIPAL ARTERIAL (PAS)**  
 2018 ADT: 28,300  
 PV: 91.63% SU: 4.42% MU: 3.95%



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 EXCAVATORS  
 1-800-892-0123  
 OR 811

**PROJECT ENGINEER: RICH DOTSON (309)671-3455**  
**PROJECT MANAGER: TRAVIS WALLENFANG/ARLENE OTERO-FEBUS (309)671-3474**

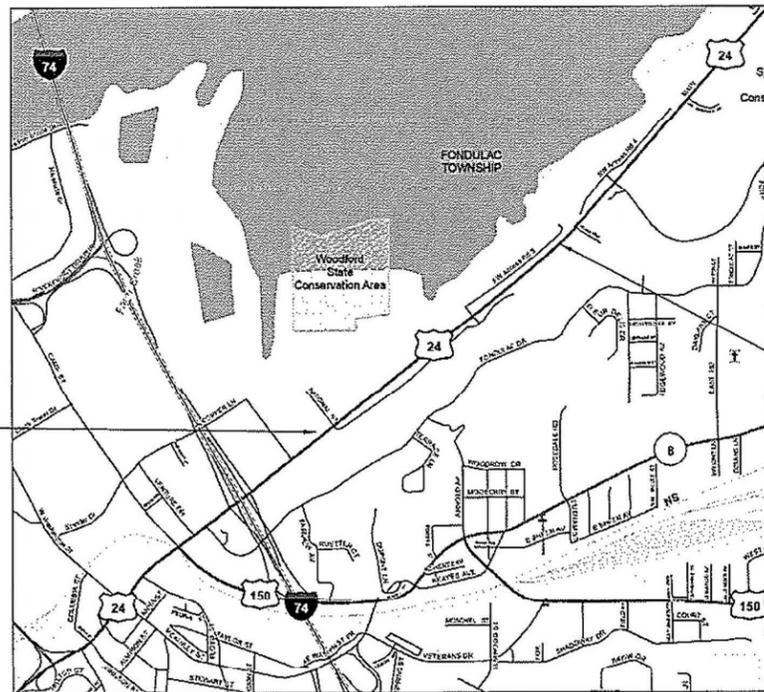
**CONTRACT NO. 68F69**

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

**PROPOSED**  
**HIGHWAY PLANS**

**FAP ROUTE 673 (IL 116)**  
**SECTION 101RS-4**  
**PROJECT NHPP-7V6F(188)**  
**3P MILLING & RESURFACING**  
**TAZEWELL COUNTY**

C-94-092-20

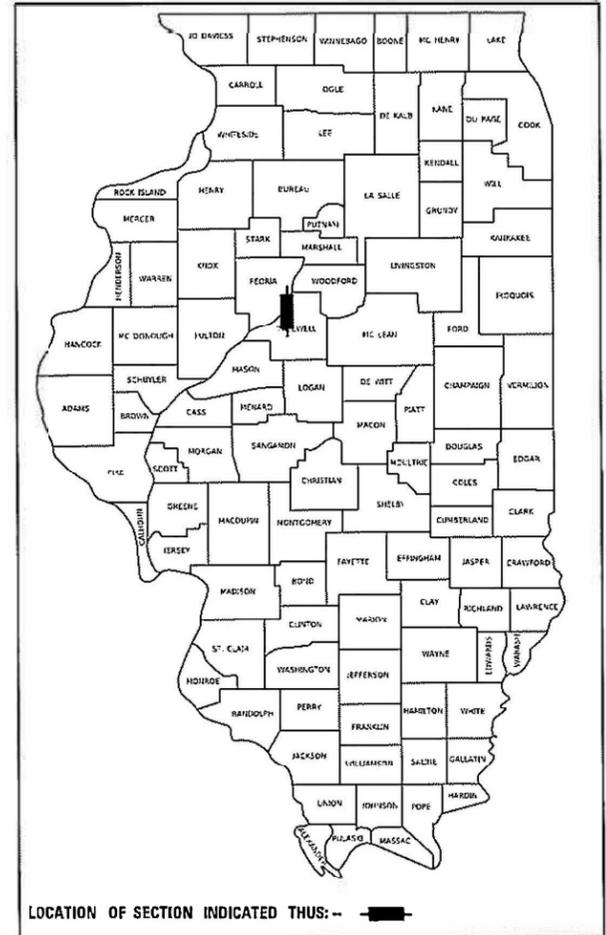


PROJECT BEGINS  
 IL 116  
 STA 29+65

PROJECT ENDS  
 STA 76+80

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	32	1
		ILLINOIS	CONTRACT NO. 68F69	

D-94-060-20



LOCATION OF SECTION INDICATED THIS: --

**PROJECT DESCRIPTION**  
 Milling and resurfacing IL 116/US 25/US 150 (Main St.) in East Peoria from north of I-74 to south of Highview Rd. Includes ADA ramp improvements and upgrade of traffic signal video detection system at Blackhawk Blvd. intersection.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 11 2020  
Kensil A. Garnett RSN  
 REGIONAL ENGINEER

January 29, 2021  
[Signature]  
 ENGINEER OF DESIGN AND ENVIRONMENT

January 29, 2021  
[Signature]  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

## GENERAL NOTES

### COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made.

### PROPERTY OWNER ACCESS REQUIREMENT

Access must be maintained to all existing properties during the 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

- Access to Blackjack Blvd (Lt) and National St must be maintained at all times. Blackjack Blvd (Rt) may be closed at the same time during construction. The Contractor must alternate streets (roads).
- Adjacent sideroads 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.

### POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) RATES

Surface Type	Residual Rate
Milled (HMA or PCC)	0.08 lb /sq ft
Existing Pavement	0.08 lb /sq ft
Fog Coat (between lifts)	0.08 lb /sq ft

### HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Mixture Use(s):	Polymer Surface 1.5"	Polymer Binder 1"	Shoulders Surface 1.5"
AC/PG:	SBS or SBR 76-28	SBS or SBR 76-22	PG 64-22
Design Air Voids:	4.0% @ N=70	4.0% @ N=50	4.0% @ N=50
Mixture Composition: (Mixture Gradation)	IL 9.5	IL 4.75	IL 9.5 FG
Friction Aggregate:	Mix E	N.A.	Mix C
Quality Management Program:	QCP	QCP	QCQA

#### Notes:

- For design purposes, mixture weight for all mixes is determined to be 112.0 lb/s.y/in., unless otherwise noted.

### 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 (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 included in the cost of the associated pavement and/or overlay pay items.

USER NAME = \$USERS	DESIGNED - ARLENE OTERO-FEBUS	REVISED -
	DRAWN - ARLENE OTERO-FEBUS	REVISED -
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	32	2
CONTRACT NO. 68F69				
ILLINOIS			FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE	80% FED 20% CITY
				ROADWAY	TRAFFIC SIGNALS
				0005 URBAN	0021 URBAN
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	504	504	
40600990	TEMPORARY RAMP	SQ YD	320	320	
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, 1L-4.75, N50	TON	2491	2491	
40604000	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5FG, MIX "C", N50	TON	34	34	
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "E", N70	TON	3734	3734	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	232	232	
* 42400800	DETECTABLE WARNINGS	SQ FT	42	42	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	400	400	
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	42121	42121	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	72	72	
44000600	SIDEWALK REMOVAL	SQ FT	191	191	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	38	38	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	34	34	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3	

\*= SPECIALTY ITEM

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	DRAWN -	REVISED -
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PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	Tazewell	32	3
			CONTRACT NO. 68F69	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE	80% FED 20% CITY
				ROADWAY	TRAFFIC SIGNALS
				0005 URBAN	0021 URBAN
67100100	MOBILIZATION	L SUM	1	1	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	150	150	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2413	2413	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	804	804	
*	78009000 MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	484.5	484.5	
*	78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	10500	10500	
*	78009006 MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	4066	4066	
*	78009008 MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	2230	2230	
*	78009012 MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	2210	2210	
*	78009024 MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	244	244	
*	78100100 RAISED REFLECTIVE PAVEMENT MARKER	EACH	246	246	

\*= SPECIALTY ITEM

MODEL NUMBER  
FILE NUMBER

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	DRAWN -	REVISED -
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PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	Tazewell	32	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68F69	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% STATE ROADWAY	80% FED 20% CITY TRAFFIC SIGNALS
				0005	0021
				URBAN	URBAN
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	246	246	
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	3		3
89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	2		2
X0300004	BITUMINOUS MATERIALS (TACK COAT), SPECIAL	POUND	64433	64433	
* X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	662.3	662.3	
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	10500	10500	
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	4066	4066	
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	2230	2230	
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	2210	2210	
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	244	244	
XZ013798	CONSTRUCTION STATION LAYOUT	L SUM	1	1	
Z0033068	TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1		1
Z0033072	VIDEO VEHICLE DETECTION SYSTEM	EACH	1		1
Z0034105	MATERIAL TRANSFER DEVICE	TON	5970	5970	

\*= SPECIALTY ITEM

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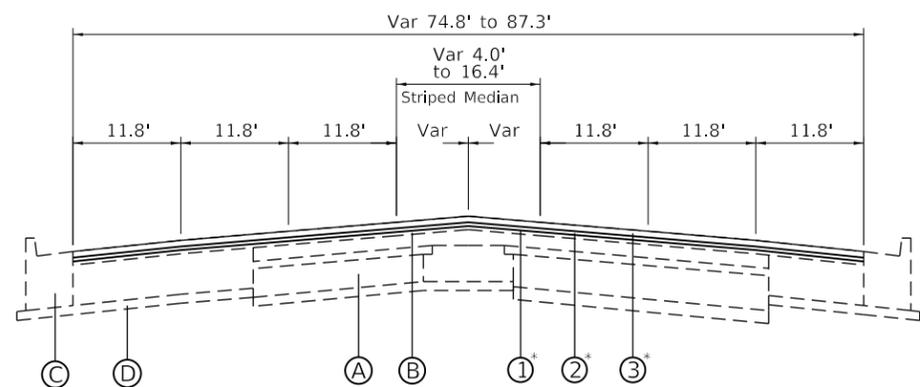
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

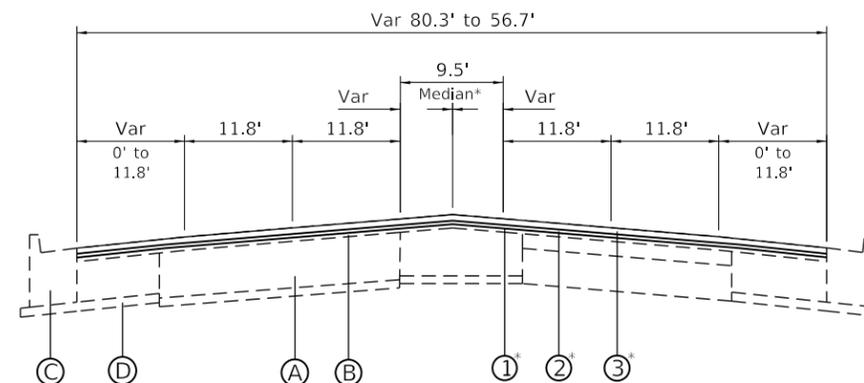
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	Tazewell	32	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68F69	



**Typical Section #1**

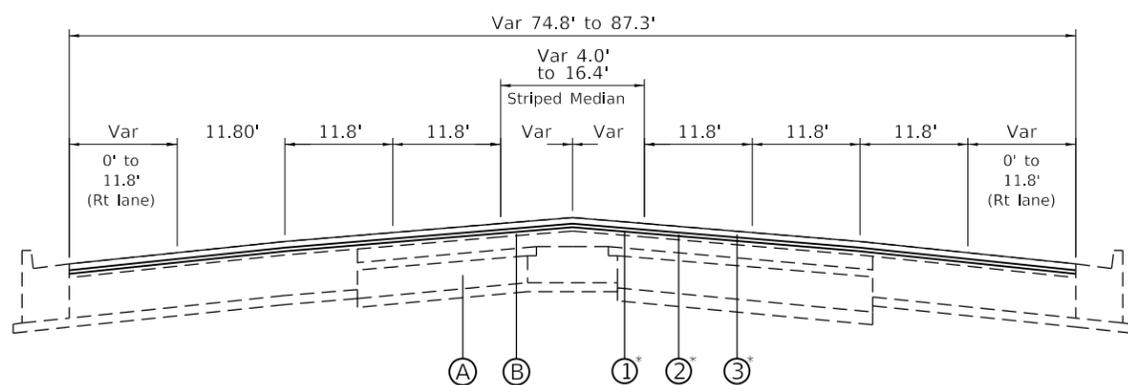
Sta 29+65 to Sta 54+75  
Sta 65+67 to Sta 68+33



**Typical Section #3**

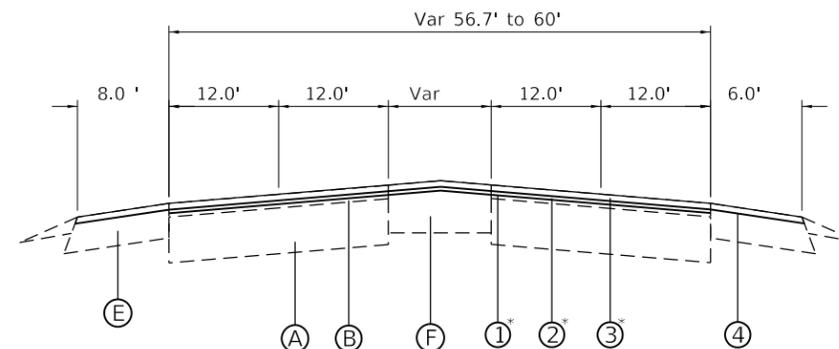
Sta 68+33 to Sta 74+23

\*\*PCC Median From Sta 70+13 to Sta 74+23 (Do Not Pave)



**Typical Section #2**

Sta 54+75 to Sta 65+67



**Typical Section #4**

Sta 74+23 to Sta 76+80

**Legend**

- (A) Existing PCC Pavement
- (B) Existing Bituminous Overlay
- (C) Existing PCC Curb & Gutter
- (D) Existing Subbase Granular Material
- (E) Existing Bituminous Shoulder
- (F) Existing Bituminous Median
- ① Proposed HMA Surface Course Removal, 2.5"
- ② Proposed HMA Binder Course, 1"
- ③ Proposed Polymerized HMA Surface Course Mix E, N70, 1.5"
- ④ Proposed Polymerized HMA Surface Course Mix C, N50, 1.5"

\*Refer to Construction Sequence for Milling and Paving Special Provision

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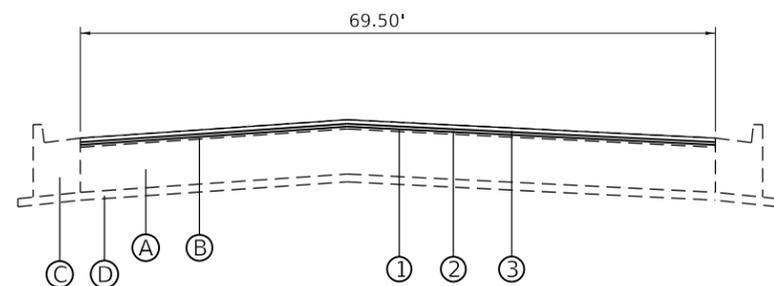
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

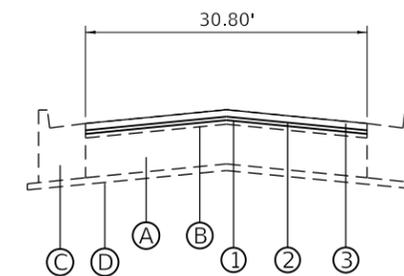
**TYPICAL SECTIONS - IL 116**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

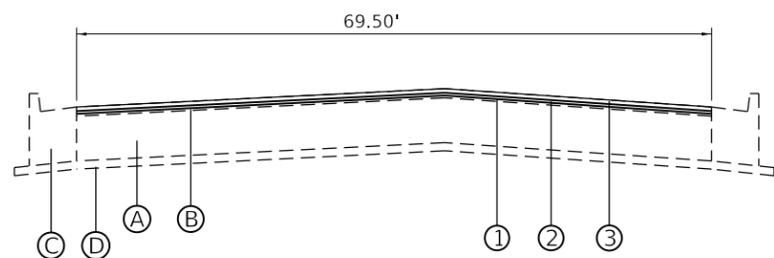
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	32	6
CONTRACT NO. 68F69				
ILLINOIS FED. AID PROJECT				



**Typical Section  
Blackjack Blvd (Lt)**



**Typical Section National St  
CAT Trail Access**



**Typical Section  
Blackjack Blvd (Rt)**

**Legend**

- (A) Existing PCC Pavement
- (B) Existing Bituminous Overlay
- (C) Existing PCC Curb & Gutter
- (D) Existing Subbase Granulat Material
- (E) Existing Bituminous Shoulder
- (F) Existing Bituminous Median
  
- ① Proposed HMA Surface Course Removal, 2.5"
- ② Proposed HMA Binder Course, 1"
- ③ Proposed Polymerized HMA Surface Course Mix E, N70, 1.5"
- ④ Proposed Polymerized HMA Surface Course Mix C, N50, 1.5"

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

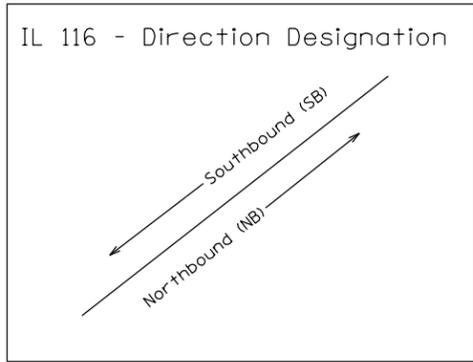
**TYPICAL SECTIONS - SIDE ROADS**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	32	7
CONTRACT NO. 68F69			ILLINOIS FED. AID PROJECT	



Project End Sta 76+80



Blackjack Blvd

IL 116

East Peoria

National St

To Peoria

I-74

Project Begins Sta 29+65  
(Existing PCC/HMA Pavement Joint)

Drawing Not To Scale

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PLOT DATE = 1/13/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LINE DIAGRAM**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	(101)-3	TAZEWELL	32	8
CONTRACT NO. 68F69				
ILLINOIS FED. AID PROJECT				

Mainline Schedule												
Location	Length	Width	Area	Temp Ramp	Bit Mat Tack Coat Special	Polymerized HMA Binder (MM), IL-4.75, N50	Hot-Mix Asphalt Surf Rem Butt Joint	Hot-Mix Asphalt Surf Rem 1.5"	Hot-Mix Asphalt Surf Rem 2.5"	Polymerized HMA Surf Course Mix E, N70, 1.5"	HMA Surf Course IL-9.5FG Mix C, N50	Material Transfer Device
Station	Foot	Foot	Sq FT	Sq Yd	Pound	Ton	Sq Yd	Sq Yd	Sq Yd	Ton	Ton	Ton
Sta 29+65 To Sta 29+95	30	87.3	2619	49	430	17	299			25		42
Sta 29+95 To Sta 37+05	710	87.3	61983		10178	397			7084	595		992
Sta 37+05 To Sta 39+66	261	81.1	21154		3480	136			2423	204		340
Sta 39+66 To Sta 50+16	1050	74.8	78540		12951	505			9018	758		1263
Sta 50+16 To Sta 53+70	354	78.75	27878		4590	179			3196	268		447
Sta 53+70 To Sta 54+75	105	82.7	8684		1428	56			994	83		139
Sta 54+75 To Sta 60+65	590	88.6	52265		8611	336			5996	504		840
Sta 60+65 To Sta 61+23	58	100.4	5823		957	37			666	56		93
Sta 61+23 To Sta 65+67	444	87.4	38795		6395	249			4453	374		623
Sta 65+67 To Sta 70+13	446	76.7	34208		5637	220			3925	330		550
Sta 70+13 To Sta 74+23	410	55.4	22714		3720	145			2587	217		362
Sta 74+23 To Sta 76+50	227	73.4	16650		2731	87		353	1549	130	30	247
Sta 76+50 To Sta 76+80	30	73.4	2201	41	357	11	205	47		17	4	32
<b>Total</b>				90	61465	2375	504	400	41891	3561	34	5970

\*Mixture for shoulders

Sideroad Schedule									
Location				Resurf Area	Temp Ramp	HMA Surf Rem 2.5"	Bit Mat (Tack Coat) Special	Poly HMA Binder (MM) L-4.75, N50	Poly HMA Surf Course Mix E, N70, 1.5"
Sideroads	Station	Side	Width Foot	Sq Ft	Sq Yd	Sq Yd	Pound	Ton	Ton
National St	34+24	LT	113	5875	63	63	940	37	55
Cat Trail Access	34+41	RT	48	980	27	27	157	6	9
Blackjack Blvd	60+14	LT	142	6910	79	79	1106	43	64
Blackjack Blvd	60+14	RT	110	4782	61	61	765	30	45
<b>Total</b>					230	230	2968	116	173

Traffic Control & Protection			
Location	STD 701602	STD 701701	STD 701801
	L SUM	L SUM	L SUM
Main St (IL 116/US 24/ US 150)	1	1	1
<b>Total</b>	1	1	1

Mobilization	
Location	L SUM
Main St (IL 116/US 24/ US 150)	1
<b>Total</b>	1

Changeable Message Sign	
Location	Cal Days
Main St (IL 116/US 24/ US 150)	150
<b>Total</b>	150

ADA Schedule								
Location			Portland Cement Concrete Sidewalk 5"	Sidewalk Removal	Detectable Warnings	CCC&G Type B 6.24	CCC&G Type SM-6.12	CC&G Rem
Description	Side	Corner	Sq Ft	Sq Ft	Sq Ft	Ft	Ft	Ft
Blackjack Blvd	Lt	SW	81	58	10	17		17
Blackjack Blvd - Island	Lt	SW	71	57	22		38	38
Blackjack Blvd	Rt	SE	80	76	10	17		17
<b>Total</b>			232	191	42	34	38	72

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	DRAWN - AOF	REVISED -
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PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES OF QUANTITIES**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	32	9
CONTRACT NO. 68F69				
ILLINOIS		FED. AID PROJECT		

Pavement Markings Schedule																		
Location	Length	Modified Urethane														Raised Refl Pvt Mrk	RRPM Removal	
		4" Line		6" Line	8" Line		12" Line		24" Line	Letters & Symbols								
		Solid	Double	Skip-Dash	Solid	Skip-Dash	Solid	Solid	Solid	Through	Lane		Left/Right					
		White	Yellow	White	White	Yellow	White	Yellow	White	Arrow	Drop	Turn	Arrow					
Station	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Each	Sq Ft	Each	Sq Ft	Each	Sq Ft	Each	Each
Main St (IL 116/ US 24/ US 150)																		
Sta 29+65 To Sta 33+41	376		754	372	111			331						2	31.2		23	23
Sta 33+41 To Sta 34+69	128					51												
Sta 34+69 To Sta 59+82	2514		4574	2500	1118			604	65					12	187.2		152	152
Sta 59+82 To Sta 60+62	80					69												
Sta 60+62 To Sta 76+80	1618	1896	3083	1180	413			249	906	66			2	83	5	78	71	71
Sideroads																		
National St																		
Blackjack Blvd LT			57	14	299			54	45					2	31.2			
Blackjack Blvd RT			136		169			39	27	42	1	11.5		4	62.4			
Sub-Total		1896	8604	4066	2110	120		342	1868	244		11.5		83		390.0	246	246
Total			10500	4066		2230		2210		244				484.5			246	246

Grooving For Recessed Pavement Markings Schedule							
Location	Length	5 Inch	7 Inch	9 Inch	13 Inch	25 Inch	Letters & Symbols
Station	Foot	Foot	Foot	Foot	Foot	Foot	Sq Ft
Mainline							
Sta 29+65 To Sta 33+41	376	754	372	111	331		43.8
Sta 33+41 To Sta 34+69	128			51			
Sta 34+69 To Sta 59+82	2514	4574	2500	1118	604	65	262.8
Sta 59+82 To Sta 60+62	80			69			
Sta 60+62 To Sta 76+80	1618	4979	1180	413	1155	66	209.5
Sideroads							
National St							
Blackjack Blvd LT		57	14	299	54	45	43.8
Blackjack Blvd RT		136		169	66	42	102.4
Total		10500	4066	2230	2210	244	662.3

Short-term Pavement Marking Schedule			
Location	Length	Short-term PM	Short-term PM Removal
Station	Foot	Foot	Foot
Main St (IL 116/ US 24/ US 150)			
Sta 29+65 To Sta 33+41	376	154	51
Sta 34+69 To Sta 59+82	2514	287	96
Sta 60+62 To Sta 76+80	1618	1972	657
Total		2413	804

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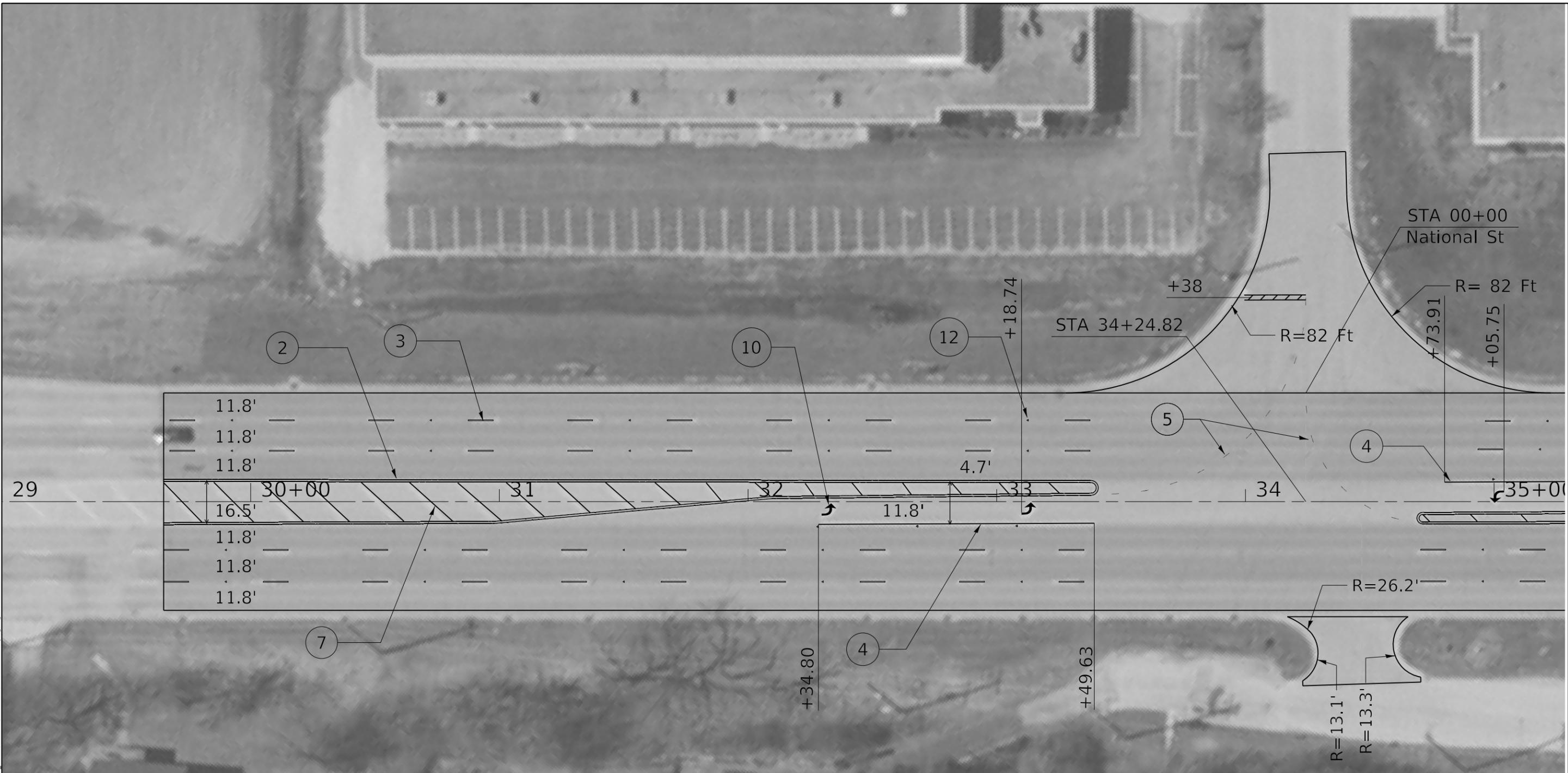
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES OF QUANTITIES**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	32	10
CONTRACT NO. 68F69				
ILLINOIS		FED. AID PROJECT		



### LEGEND

① 4 SOLID WHITE	⑦ 12 SOLID YELLOW
② 4 DOUBLE YELLOW	⑧ 24 SOLID WHITE
③ 6 SKIP DASH WHITE	⑨ LARGE THRU ARROW
④ 8 SOLID WHITE	⑩ LARGE TURN ARROW
⑤ 8 SKIP DASH YELLOW	⑪ LARGE LANE DROP ARROW
⑥ 12 SOLID WHITE	⑫ ONE-WAY CRYSTAL MARKER

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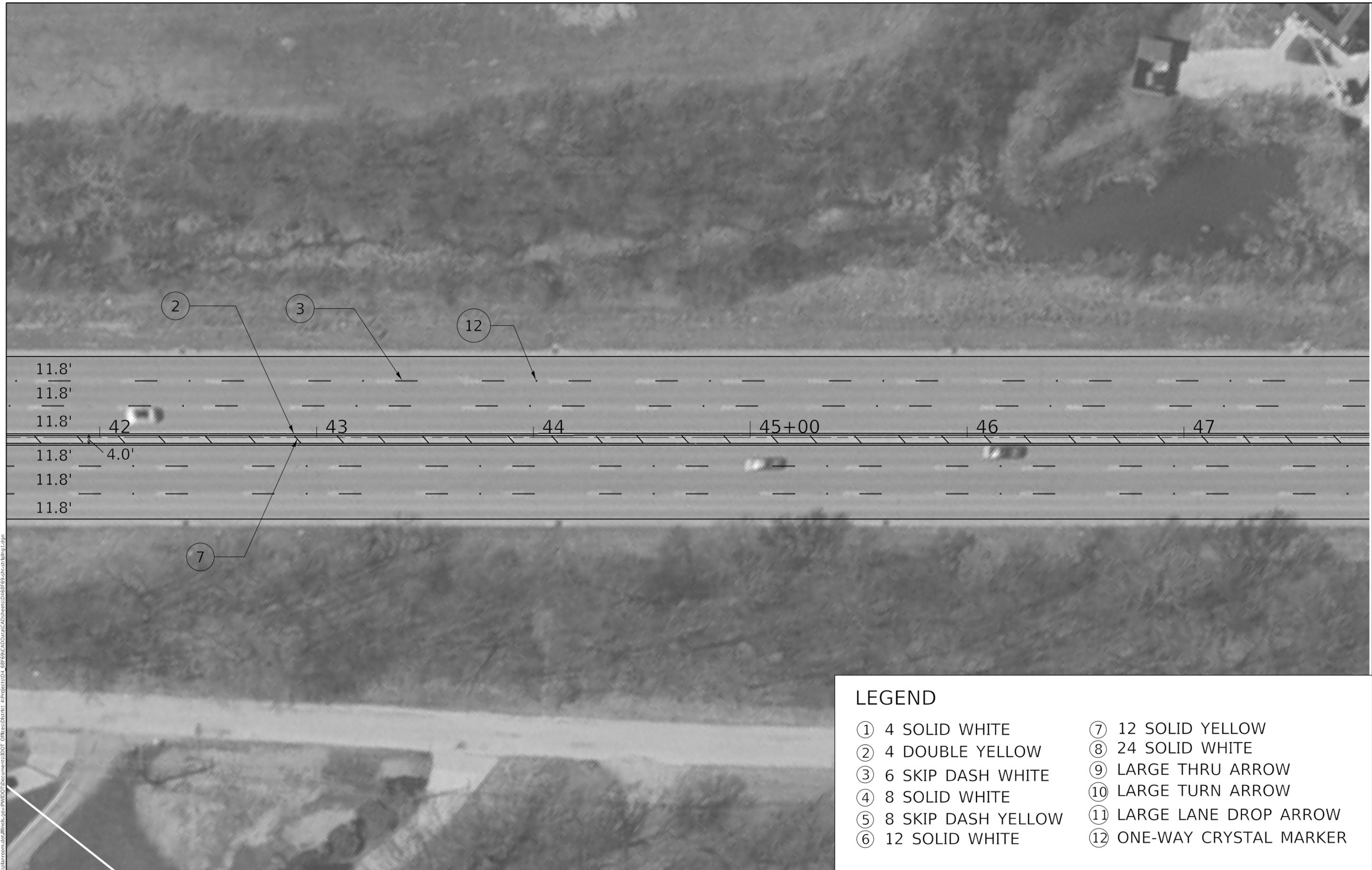
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

Proposed Pavement Markings				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	32	11
CONTRACT NO. 68F69				
ILLINOIS FED. AID PROJECT				



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LEGEND	
① 4 SOLID WHITE	⑦ 12 SOLID YELLOW
② 4 DOUBLE YELLOW	⑧ 24 SOLID WHITE
③ 6 SKIP DASH WHITE	⑨ LARGE THRU ARROW
④ 8 SOLID WHITE	⑩ LARGE TURN ARROW
⑤ 8 SKIP DASH YELLOW	⑪ LARGE LANE DROP ARROW
⑥ 12 SOLID WHITE	⑫ ONE-WAY CRYSTAL MARKER

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	DRAWN -	REVISED -
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PLOT DATE = 12/11/2020	DATE -	REVISED -

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

Proposed Pavement Markings				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	32	13
CONTRACT NO. 68F69				
		ILLINOIS	FED. AID PROJECT	

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LEGEND	
① 4 SOLID WHITE	⑦ 12 SOLID YELLOW
② 4 DOUBLE YELLOW	⑧ 24 SOLID WHITE
③ 6 SKIP DASH WHITE	⑨ LARGE THRU ARROW
④ 8 SOLID WHITE	⑩ LARGE TURN ARROW
⑤ 8 SKIP DASH YELLOW	⑪ LARGE LANE DROP ARROW
⑥ 12 SOLID WHITE	⑫ ONE-WAY CRYSTAL MARKER

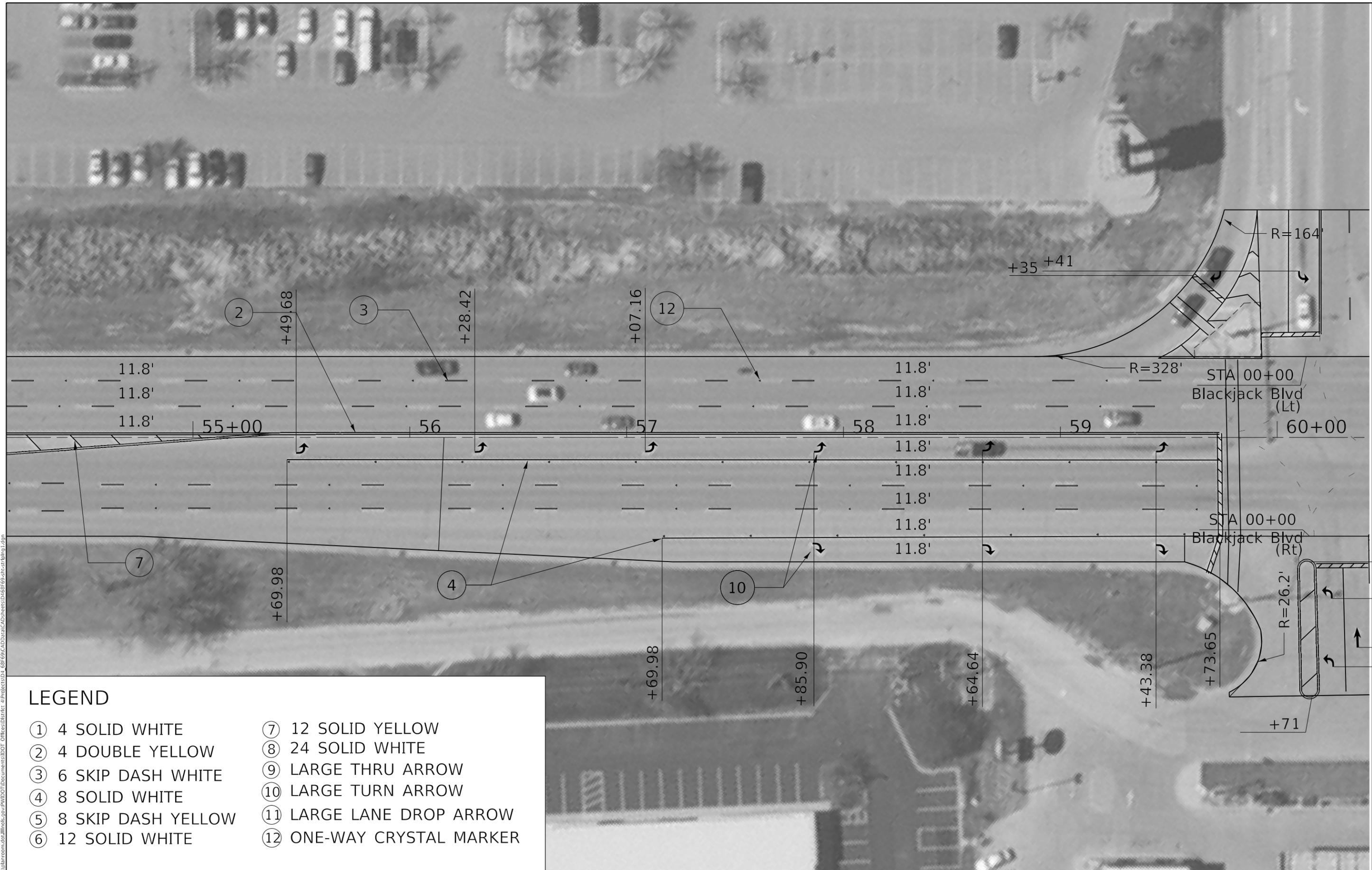
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PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

Proposed Pavement Markings				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	32	14
CONTRACT NO. 68F69				
ILLINOIS FED. AID PROJECT				

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**LEGEND**

- |                      |                          |
|----------------------|--------------------------|
| ① 4 SOLID WHITE      | ⑦ 12 SOLID YELLOW        |
| ② 4 DOUBLE YELLOW    | ⑧ 24 SOLID WHITE         |
| ③ 6 SKIP DASH WHITE  | ⑨ LARGE THRU ARROW       |
| ④ 8 SOLID WHITE      | ⑩ LARGE TURN ARROW       |
| ⑤ 8 SKIP DASH YELLOW | ⑪ LARGE LANE DROP ARROW  |
| ⑥ 12 SOLID WHITE     | ⑫ ONE-WAY CRYSTAL MARKER |

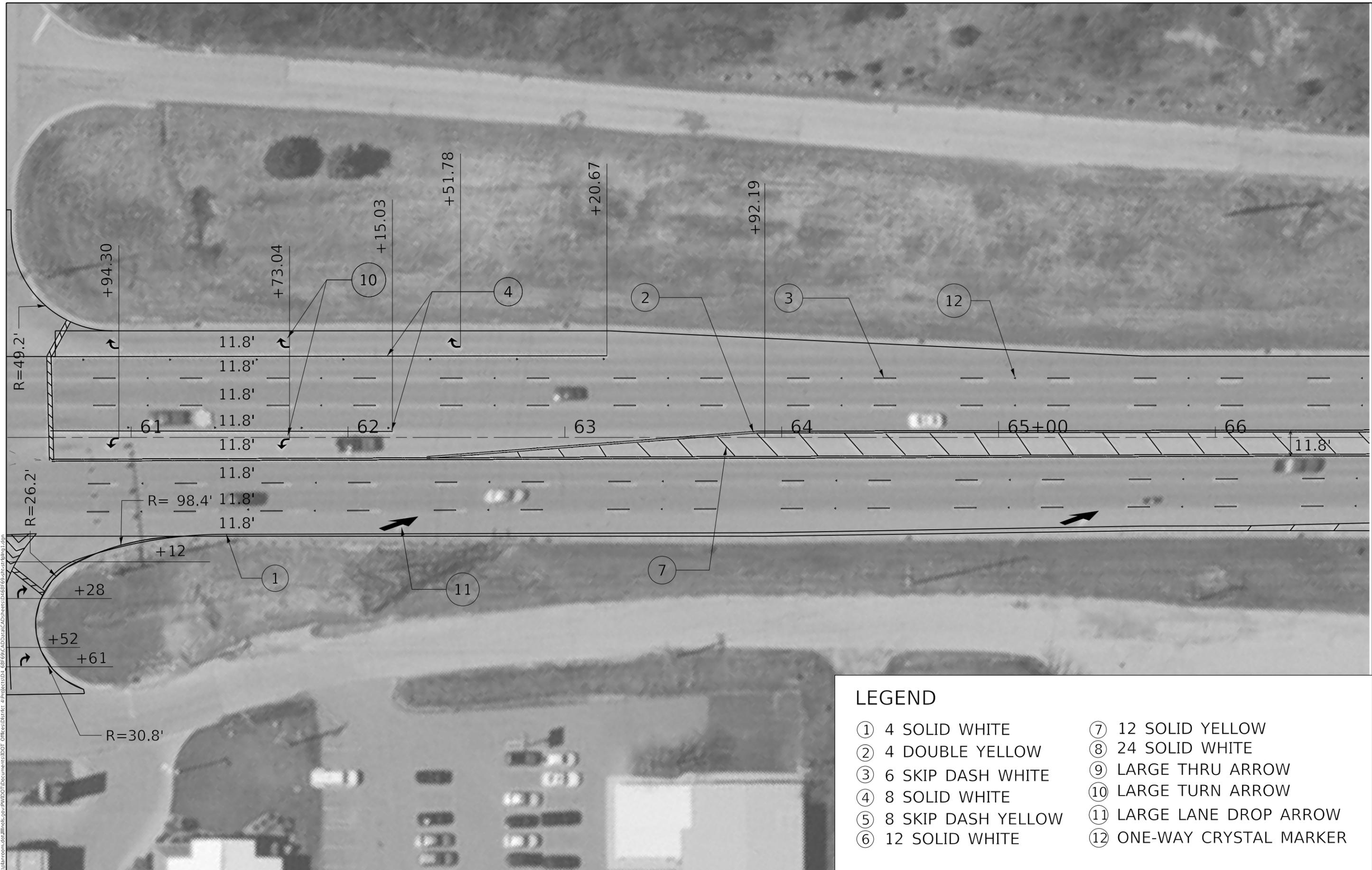
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PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>Proposed Pavement Markings</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	32	15
CONTRACT NO. 68F69				
ILLINOIS FED. AID PROJECT				

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### LEGEND

- |                      |                          |
|----------------------|--------------------------|
| ① 4 SOLID WHITE      | ⑦ 12 SOLID YELLOW        |
| ② 4 DOUBLE YELLOW    | ⑧ 24 SOLID WHITE         |
| ③ 6 SKIP DASH WHITE  | ⑨ LARGE THRU ARROW       |
| ④ 8 SOLID WHITE      | ⑩ LARGE TURN ARROW       |
| ⑤ 8 SKIP DASH YELLOW | ⑪ LARGE LANE DROP ARROW  |
| ⑥ 12 SOLID WHITE     | ⑫ ONE-WAY CRYSTAL MARKER |

USER NAME = wallenfangj	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2020	DATE -	REVISED -

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

<b>Proposed Pavement Markings</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	32	16
CONTRACT NO. 68F69				
ILLINOIS FED. AID PROJECT				

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LEGEND	
① 4 SOLID WHITE	⑦ 12 SOLID YELLOW
② 4 DOUBLE YELLOW	⑧ 24 SOLID WHITE
③ 6 SKIP DASH WHITE	⑨ LARGE THRU ARROW
④ 8 SOLID WHITE	⑩ LARGE TURN ARROW
⑤ 8 SKIP DASH YELLOW	⑪ LARGE LANE DROP ARROW
⑥ 12 SOLID WHITE	⑫ ONE-WAY CRYSTAL MARKER

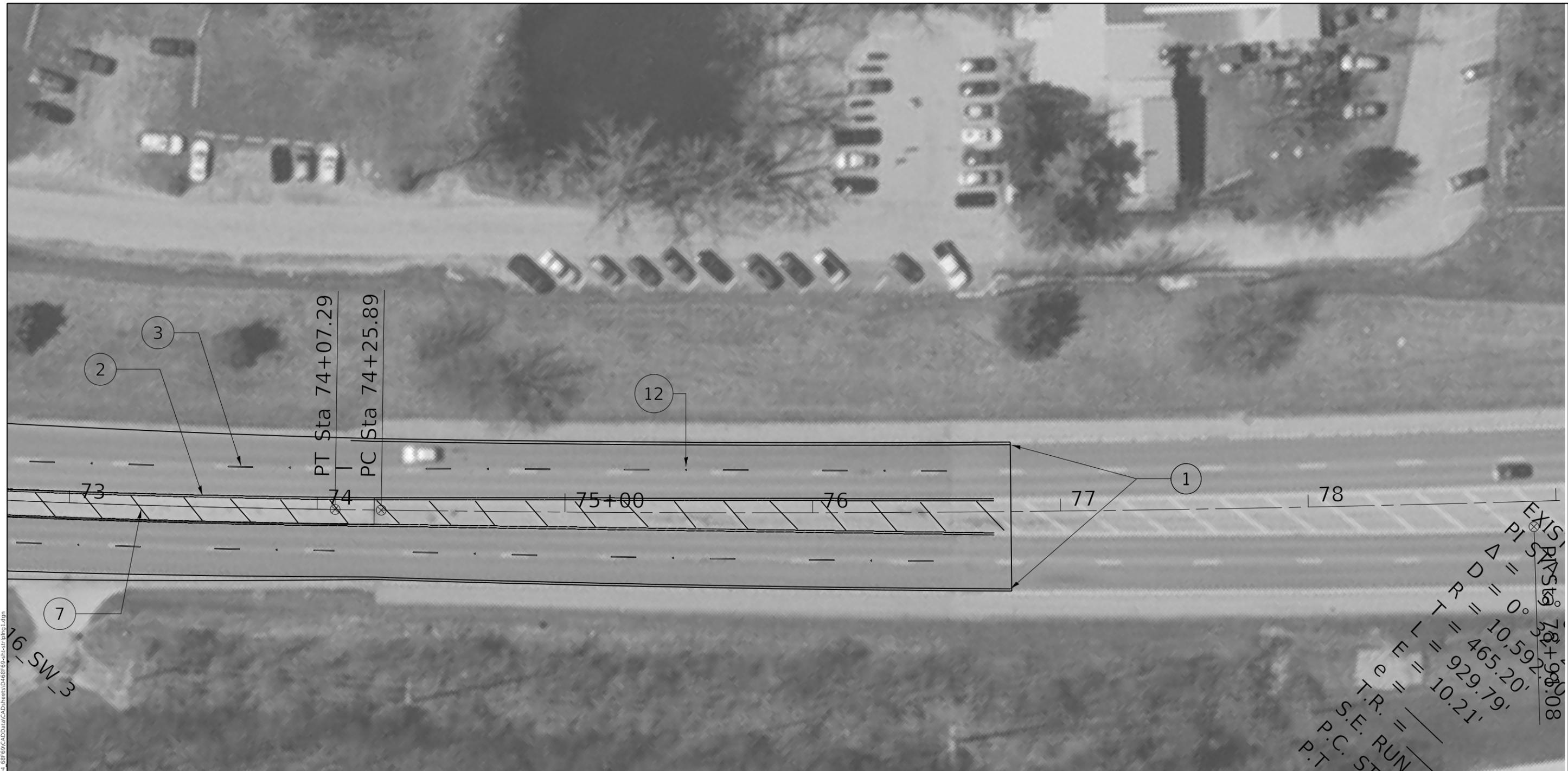
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PLOT DATE = 12/11/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

Proposed Pavement Markings				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	32	17
CONTRACT NO. 68F69				
ILLINOIS FED. AID PROJECT				

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PI S  
 STA 78+94.08  
 $\Delta = 0^\circ$   
 $R = 10,592.2'$   
 $T = 465.20'$   
 $L = 929.79'$   
 $E = 10.21'$   
 S.E. RUN =  
 P.C. STA. =  
 P.T. STA. =

**LEGEND**

- ① 4 SOLID WHITE
- ⑦ 12 SOLID YELLOW
- ② 4 DOUBLE YELLOW
- ⑧ 24 SOLID WHITE
- ③ 6 SKIP DASH WHITE
- ⑨ LARGE THRU ARROW
- ④ 8 SOLID WHITE
- ⑩ LARGE TURN ARROW
- ⑤ 8 SKIP DASH YELLOW
- ⑪ LARGE LANE DROP ARROW
- ⑥ 12 SOLID WHITE
- ⑫ ONE-WAY CRYSTAL MARKER

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PLOT DATE = 12/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>Proposed Pavement Markings</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	32	18
CONTRACT NO. 68F69				
ILLINOIS FED. AID PROJECT				

# LEGEND

- ① 4 SOLID WHITE
- ② 4 DOUBLE YELLOW
- ③ 6 SKIP DASH WHITE
- ④ 8 SOLID WHITE
- ⑤ 8 SKIP DASH YELLOW
- ⑥ 12 SOLID WHITE
- ⑦ 12 SOLID YELLOW
- ⑧ 24 SOLID WHITE
- ⑨ LARGE THRU ARROW
- ⑩ LARGE TURN ARROW
- ⑪ LARGE LANE DROP ARROW
- ⑫ ONE-WAY CRYSTAL MARKER



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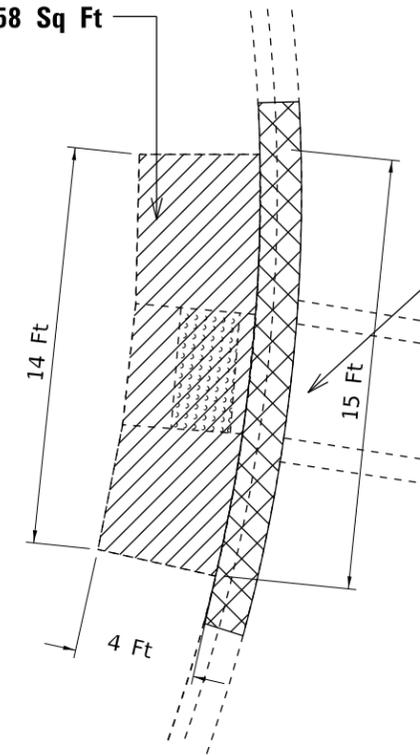
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

Proposed Pavement Markings				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	32	19
CONTRACT NO. 68F69				
ILLINOIS FED. AID PROJECT				



SW REMOVAL = 58 Sq Ft



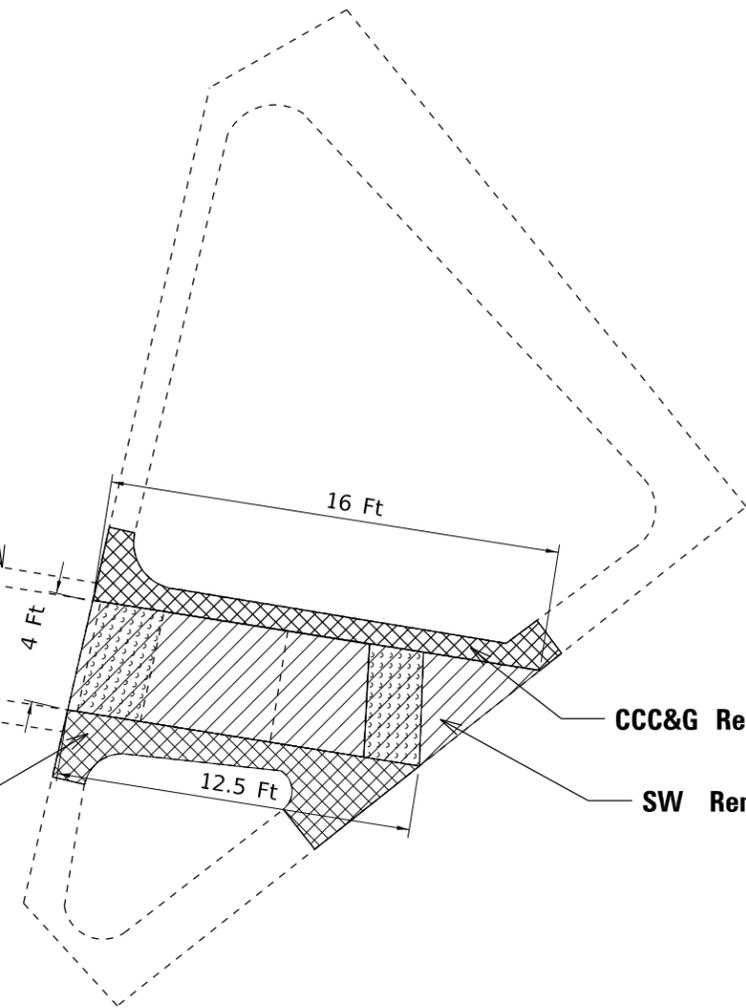
Pavement Marking Removal  
\*See Pvmt Marking Detail

CCC&G Removal 17Ft

CCC&G Removal = 18 Ft

### Southwest Quadrant

Blackjack Blvd (LT)



CCC&G Removal = 20 Ft

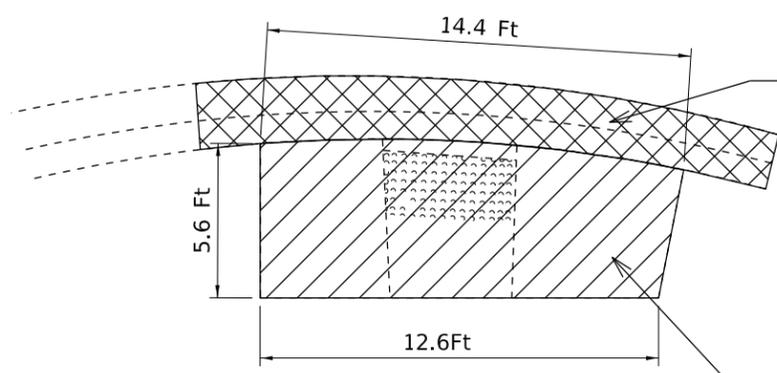
SW Removal = 57 Sq Ft

### Southwest Quadrant - Island

Blackjack Blvd (LT)

General Notes:

1. Sawcutting for removal of sidewalk and curb and gutter is included in the cost of the removal items.
2. Contractor shall verify removal limits and field elevations to ensure that ADA Standards are met.
3. The contractor will be allowed to remove up to 1 foot width of pavement adjacent to the curb and gutter to allow for forming. The pavement will be replaced to its original thickness with Portland Cement Concrete. The cost of this work shall be included in the cost of the curb and gutter removal.



CCC&G Removal = 17 Ft

SW Removal = 76 Sq Ft

### Southeast Quadrant

Blackjack Blvd (RT)

- Existing Sidewalk/Curb
- Proposed Element
- Detectable Warning
- Sidewalk Removal
- Curb and Gutter Removal
- Landing area/ Turning space

**Not to Scale**

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FILE: \$NAME\$. \$FILE\$

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA Ramp/Sidewalk Details  
Blackjack Blvd - Removal

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	Tazewell	32	20
			CONTRACT NO. 68F69	
		ILLINOIS FED. AID PROJECT		



Proposed Detectable Warning = 10 Sq Ft

Proposed PCC SW 5" = 81 Sq Ft

Proposed CCC&G TYP B 6.24 = 17 Ft

Proposed Detectable Warning = 10 Sq Ft

Proposed PCC SW 5" = 71 Sq Ft

Proposed Detectable Warning = 12 Sq Ft

Proposed CCC&G Typ SM 6.12 = 20 Ft

Proposed Pavement Marking \*See Pvmt Marking Detail

Proposed CCC&G Typ SM 6.12 = 18 Ft

### Southwest Quadrant

Blackjack Blvd (LT)

### Southwest Quadrant – Island

Blackjack Blvd (LT)

**General Notes:**

1. See Highway Standards 424001 and 424031 for ADA standards and requirements.
2. See Highway Standard 606001 for curb and gutter requirements.
3. ADA ramp layout shall be controlled by the existing elevation of the adjacent edge of pavement. Slopes shown are intended design slope but may be adjusted to accommodate field conditions. Adjusted slopes may not exceed the maximum slopes indicated in the applicable Highway Standards.
4. Contractor is responsible for measuring the radius prior to ordering the detectable warnings.
5. Dimensions of the proposed CCC&G Typ SM 6.12 adjacent to the island crosswalk may be modified to accommodate the design width and slope of the proposed crosswalk.
6. Grading as needed shall be included in the cost of the sidewalk work. Disturbed areas will be addressed by the Special Provision "Seeding, Minor Areas".
7. PCC shall be used to fill in the pavement removed for forming. This work shall be done prior to HMA removal adjacent to the curb and gutter. This work shall be included in the cost of the curb and gutter removal.

Proposed CCC&G TYP B 6.24 = 17 Ft

Proposed PCC SW = 80 Sq Ft

Proposed Detectable Warning = 10 Sq Ft

### Southeast Quadrant

Blackjack Blvd (RT)

- Existing Sidewalk/Curb
- Proposed Element
- Detectable Warning
- Sidewalk Removal
- Curb and Gutter Removal
- Landing area/ Turning space
- Seeding as needed included in SW work

**Not to Scale**

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PLOT DATE = \$DATES	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA Ramp/Sidewalk Details  
Blackjack Blvd – Proposed

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	Tazewell	32	21
			CONTRACT NO. 68F69	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL SCHEDULE OF QUANTITIES			
DESCRIPTION	UNIT	TOTAL QTY.	IL 116 & BLACKJACK BLVD.
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	3.0	3.0
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	2.0	2.0
TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1.0	1.0
VIDEO VEHICLE DETECTION SYSTEM	EACH	1.0	1.0

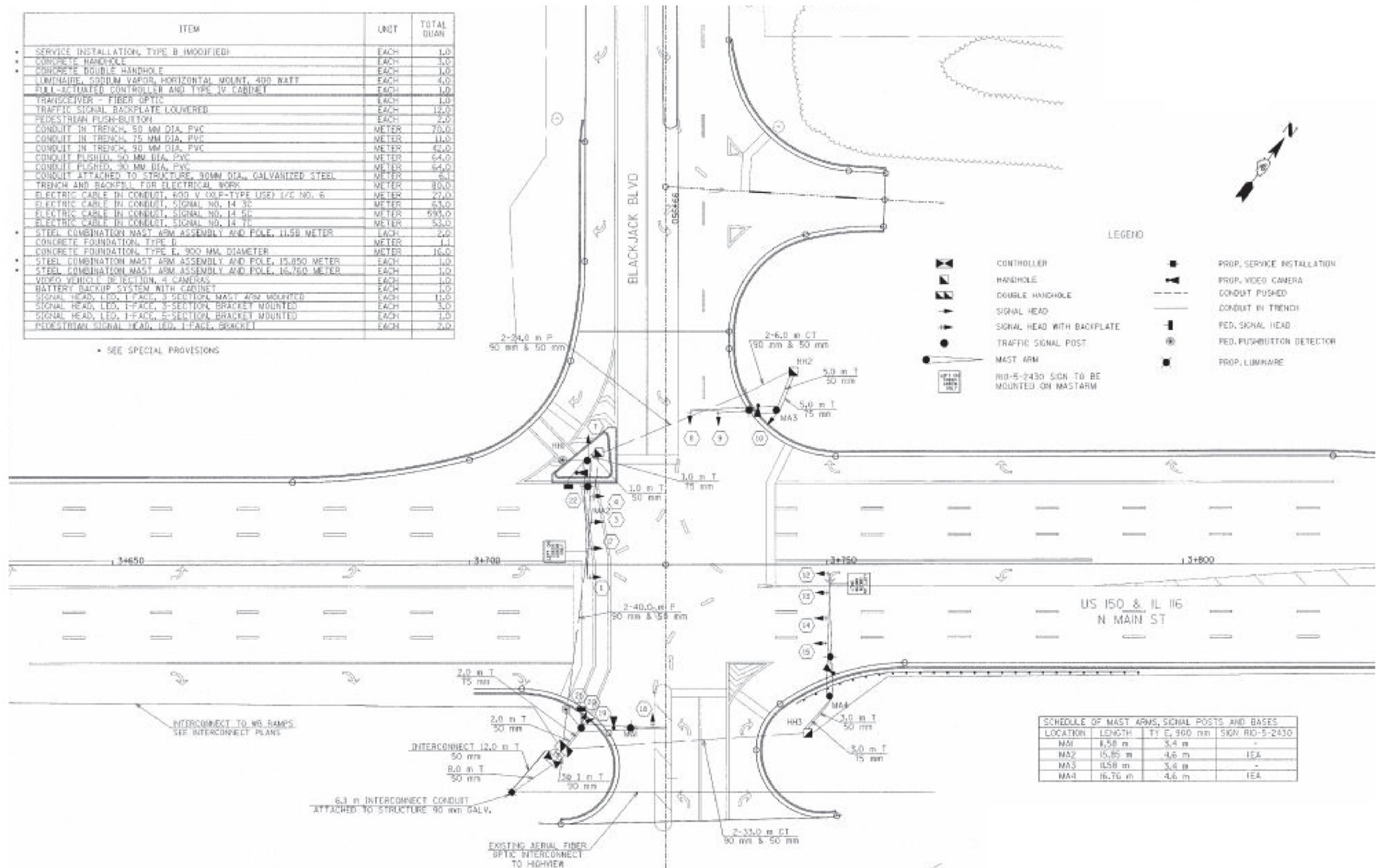
CONSTRUCTION NOTES	
1.	ANY MAINTENANCE OF EXISTING TRAFFIC SIGNALS WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
2.	THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
3.	THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BIDDING. THERE WILL BE NO ADDITIONAL COMPENSATION PAID FOR CLAIMS THAT ARISE FROM A FAILURE TO FULLY INVESTIGATE EXISTING FIELD CONDITIONS.
4.	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.
5.	ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
6.	THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.
7.	THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.
8.	ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
9.	ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
10.	REMOVAL OF EXISTING ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES FOR THE PROPOSED ITEMS.
11.	THE CONTRACTOR SHALL DELIVER ALL REMOVAL ITEMS TO THE IDOT TRAFFIC BUILDING. THE CONTRACTOR SHALL NOTIFY TONY BRIDSON, AT (309) 370-7522 FORTY-EIGHT HOURS IN ADVANCE OF EQUIPMENT DELIVERY.

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PLOT SCALE = 100.0000' / in.	DRAWN - ARLENE OTERO-FEBUS	REVISED -				SCALE:	SHEET 55 OF 505 SHEETS	STA. TO STA.	CONTRACT NO. 68F69		
PLOT DATE = 12/9/2020	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
	DATE -	REVISED -									

ITEM	UNIT	TOTAL QUAN
SERVICE INSTALLATION, TYPE B (MODIFIED)	EACH	1.0
CONCRETE HANDHOLE	EACH	3.0
CONCRETE DOUBLE HANDHOLE	EACH	1.0
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	4.0
FLL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1.0
TRANSCEIVER - FIBER OPTIC	EACH	1.0
TRAFFIC SIGNAL BACKPLATE LOWERED	EACH	12.0
PEDESTRIAN PUSH-BUTTON	EACH	2.0
CONDUIT IN TRENCH, 50 MM DIA, PVC	METER	70.0
CONDUIT IN TRENCH, 75 MM DIA, PVC	METER	11.0
CONDUIT IN TRENCH, 90 MM DIA, PVC	METER	42.0
CONDUIT PUSHED, 50 MM DIA, PVC	METER	54.0
CONDUIT PUSHED, 75 MM DIA, PVC	METER	64.0
CONDUIT ATTACHED TO STRUCTURE, 90MM DIA, GALVANIZED STEEL	METER	6.1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	80.0
ELECTRIC CABLE IN CONDUIT, 600 V XLP-TYPE USE# 1/2 NO. 6	METER	27.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	METER	63.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	METER	695.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	METER	53.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 11.58 METER	EACH	2.0
CONCRETE FOUNDATION, TYPE B	METER	1.1
CONCRETE FOUNDATION, TYPE E, 900 MM DIAMETER	METER	16.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 15.850 METER	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 16.760 METER	EACH	1.0
VIDEO VEHICLE DETECTION, 4 CAMERAS	EACH	1.0
BATTERY BACKUP SYSTEM WITH CABINET	EACH	1.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	11.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3.0
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1.0
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET	EACH	2.0

• SEE SPECIAL PROVISIONS



LEGEND

	CONTROLLER		PROP. SERVICE INSTALLATION
	HANDHOLE		PROP. VIDEO CAMERA
	DOUBLE HANDHOLE		CONDUIT PUSHED
	SIGNAL HEAD		CONDUIT IN TRENCH
	SIGNAL HEAD WITH BACKPLATE		PED. SIGNAL HEAD
	TRAFFIC SIGNAL POST		PED. PUSHBUTTON DETECTOR
	MAST ARM		PROP. LUMINAIRE
	RD-5-2430 SIGN TO BE MOUNTED ON MASTARM		

SCHEDULE OF MAST ARMS, SIGNAL POSTS AND BASES

LOCATION	LENGTH	Ty E, 900 mm	SGN RD-5-2430
MA1	11.58 m	3.4 m	-
MA2	15.85 m	4.6 m	IEA
MA3	11.58 m	3.4 m	-
MA4	16.76 m	4.6 m	IEA

FOR INFORMATION ONLY

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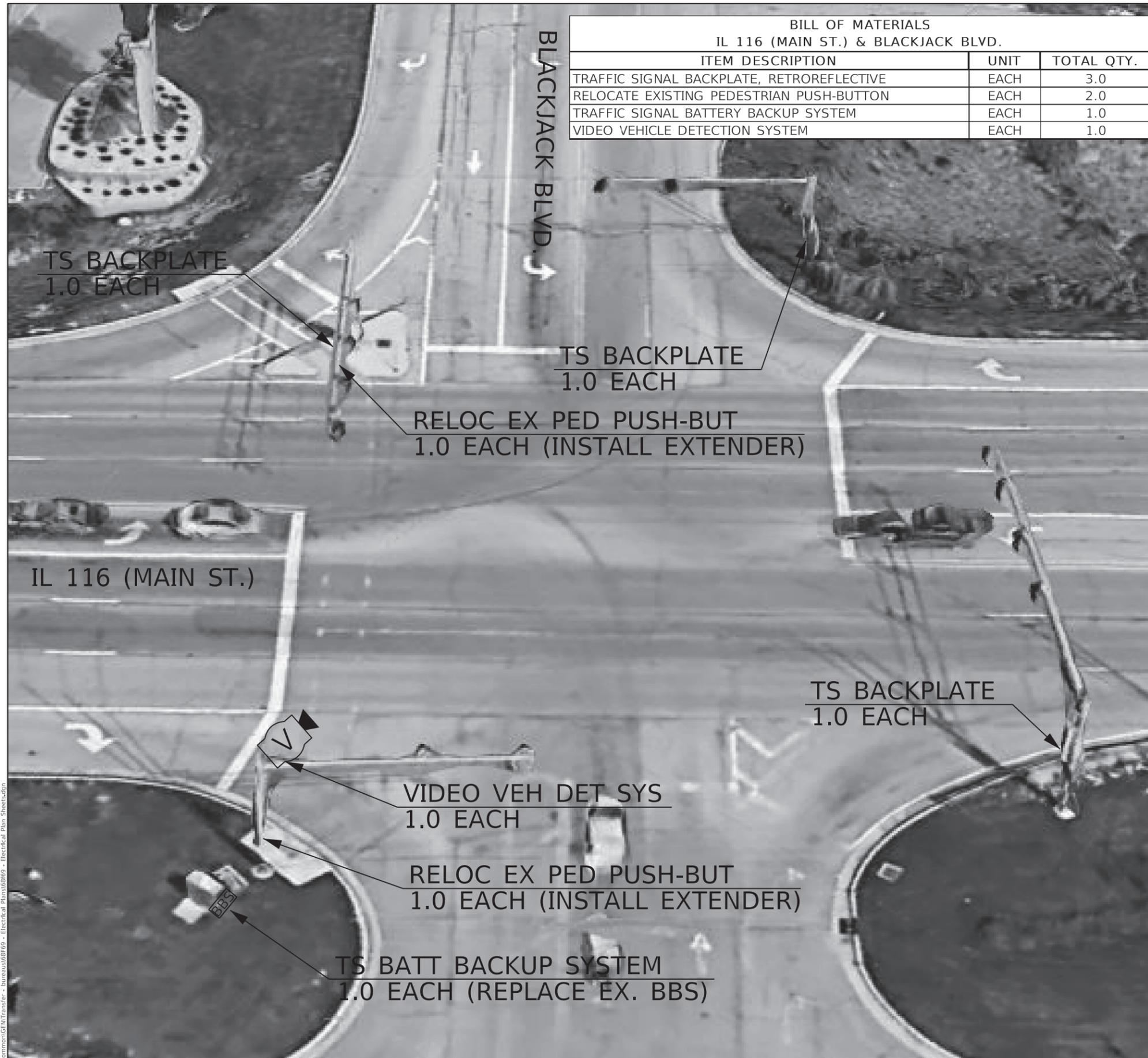
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 116 (MAIN ST.) & BLACKJACK BLVD.  
EXISTING TRAFFIC SIGNAL PLANS

SCALE: SHEET 65 OF 805 SHEETS STA. TO STA.

TRAFFIC SIGNALS 2 OF 6

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	625	65N
CONTRACT NO. 68F69				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS IL 116 (MAIN ST.) & BLACKJACK BLVD.		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	3.0
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	2.0
TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1.0
VIDEO VEHICLE DETECTION SYSTEM	EACH	1.0

TS BACKPLATE  
1.0 EACH

TS BACKPLATE  
1.0 EACH

RELOC EX PED PUSH-BUT  
1.0 EACH (INSTALL EXTENDER)

IL 116 (MAIN ST.)

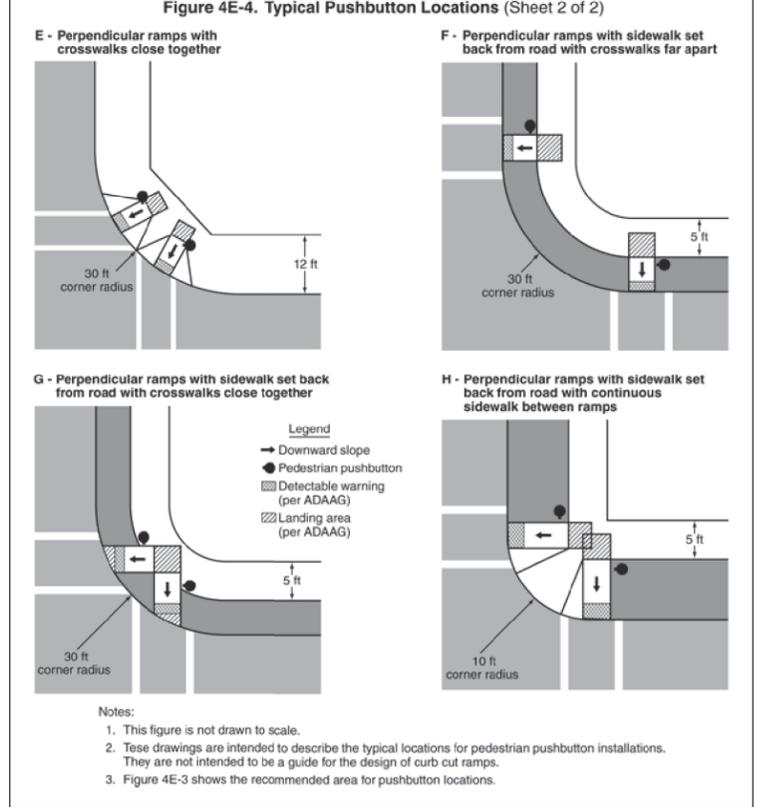
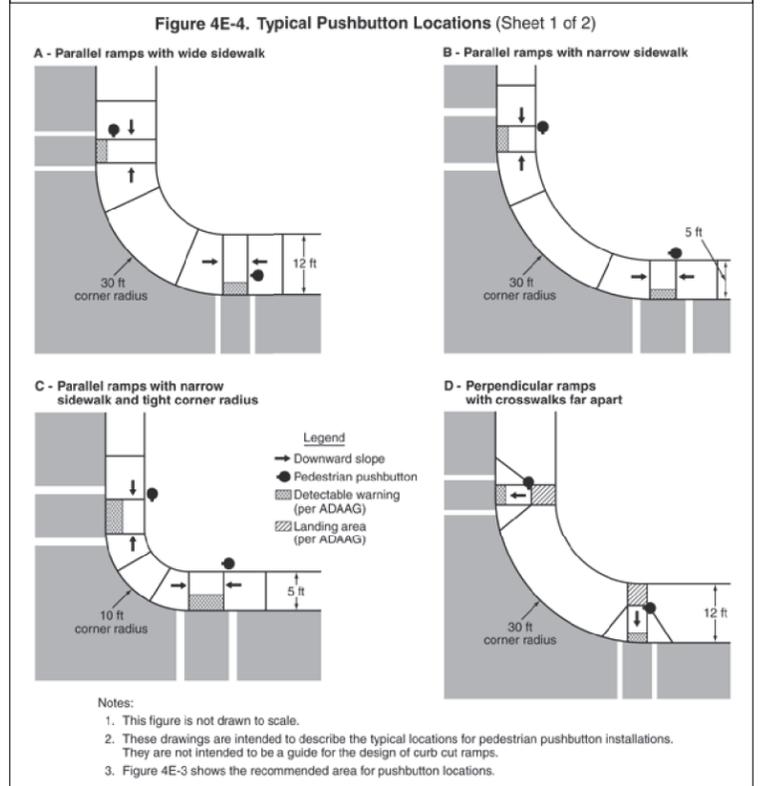
TS BACKPLATE  
1.0 EACH

VIDEO VEH DET SYS  
1.0 EACH

RELOC EX PED PUSH-BUT  
1.0 EACH (INSTALL EXTENDER)

TS BATT BACKUP SYSTEM  
1.0 EACH (REPLACE EX. BBS)

2009 MUTCD TYPICAL PUSHBUTTON LOCATIONS



- NOTES:
- PEDESTRIAN PUSHBUTTONS SHALL BE LOCATED IN ACCORDANCE WITH THE 2009 MUTCD.
  - FOR ALL INSTALLATIONS, THE REACH RANGE (DISTANCE BETWEEN THE FACE OF PEDESTRIAN PUSHBUTTON AND THE CLEAR SPACE) SHALL NOT EXCEED 10 INCHES.
  - PEDESTRIAN PUSHBUTTON SIGN (R10-3) SHALL BE CONSTRUCTED USING DIAMOND GRADE (TYPE XI) REFLECTIVE SHEETING.

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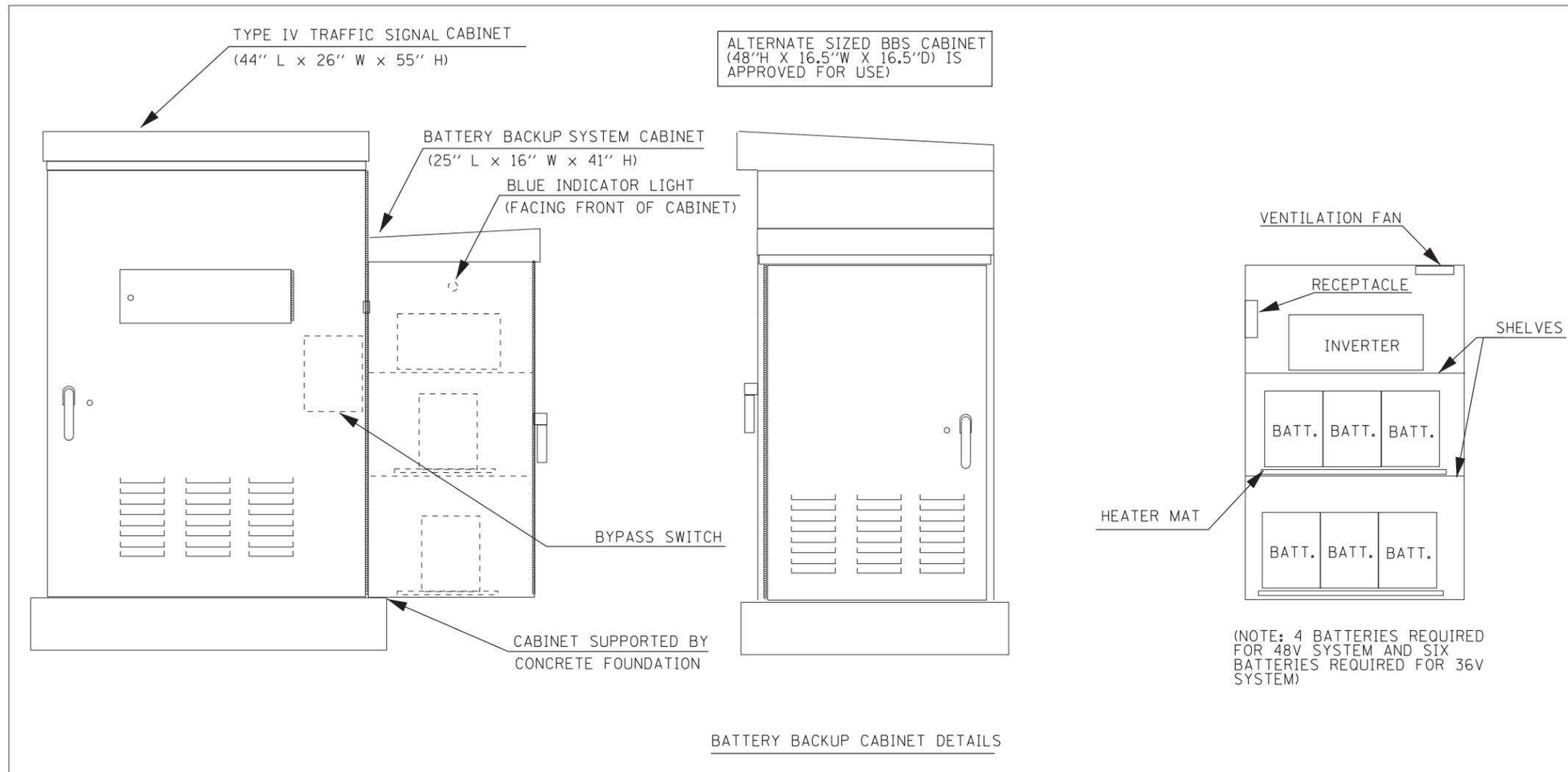
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 116 (MAIN ST.) & BLACKJACK BLVD.  
PROPOSED TRAFFIC SIGNAL PLANS

SCALE: SHEET 55 OF 805 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	525	55N
CONTRACT NO. 68F69				

TRAFFIC SIGNALS 3 OF 6



BATTERY BACKUP CABINET DETAILS

NOTES

1. THE BATTERY BACKUP SYSTEM CABINET SHALL BE A NEMA TYPE 3R CABINET WITH MINIMUM OUTSIDE DIMENSIONS OF 41" (H) X 25" (W) X 16" (D). THE CABINET SHALL BE EQUIPPED WITH A THREE POINT LATCHING MECHANISM, TWO SHELVES, THERMOSTATICALLY CONTROLLED VENTILATION FAN, AND A POWER RECEPTACLE. THE CABINET SHALL BE MOUNTED TO THE SIDE OF THE PROPOSED TYPE IV CABINET WITH THE BOTTOM OF THE CABINET SUPPORTED BY THE CONCRETE FOUNDATION.
2. ALL CABINET LIGHTS, HEATER STRIPS, VENTILATION FANS, AND SERVICE RECEPTACLES SHALL BE BYPASSED WHEN THE BATTERY BACKUP UNIT IS OPERATING IN BATTERY MODE.
3. THE BATTERY BACKUP UNITS CONTACTS SHALL BE WIRED TO PROVIDE LOCAL CONTROLLER ALARMS (AS AVAILABLE IN THE PROPOSED CABINETS).
4. THE BYPASS SWITCH SHALL BE AUTOMATIC AND SHALL BE INSTALLED IN THE BBS CABINET.
5. THE CABINET SHALL BE EQUIPPED WITH A DELUXE PLEATED AIR FILTER AND PLEXIGLASS SHIELDS FOR ALL TERMINALS CARRYING LINE VOLTAGE.

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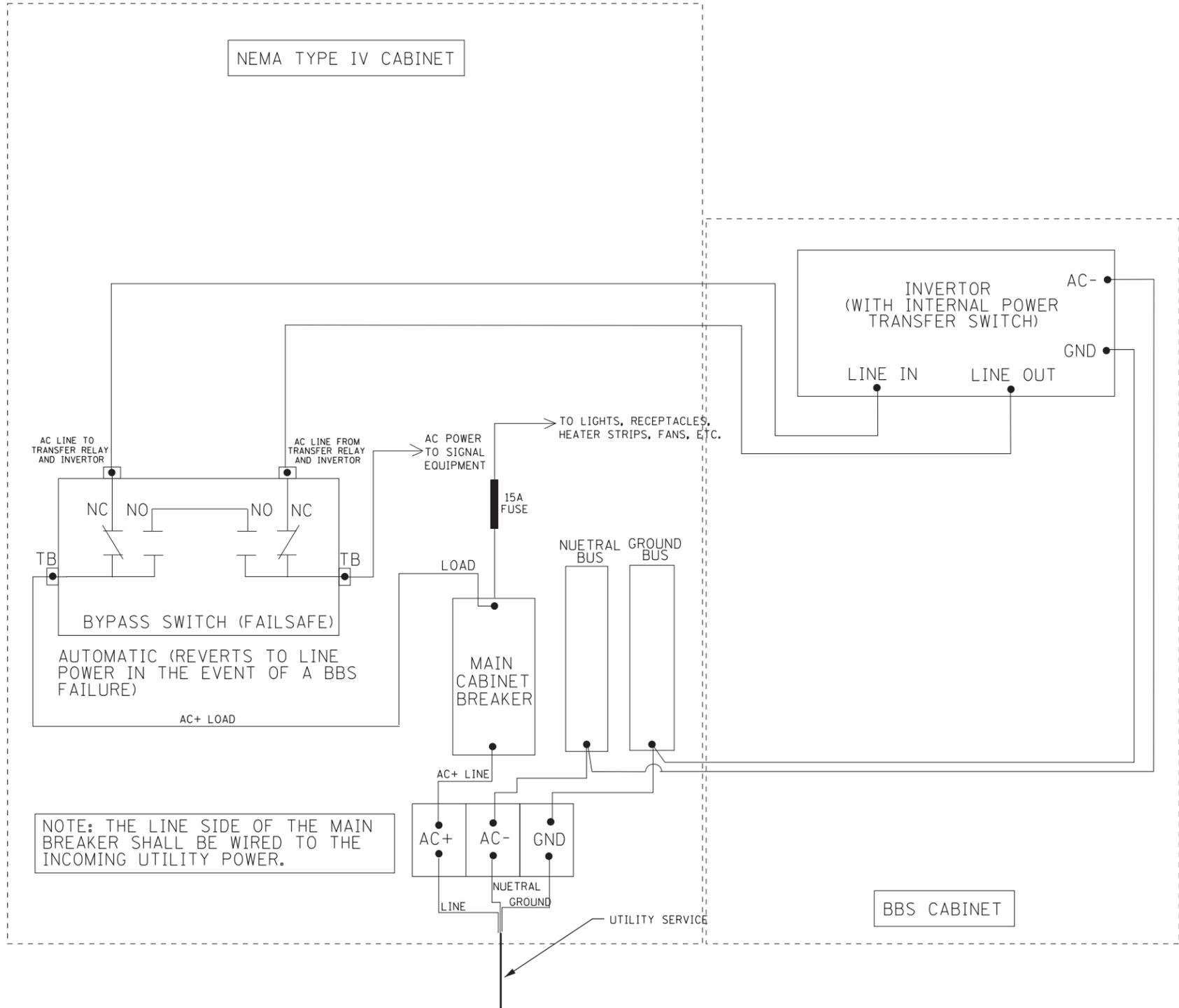
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PLOT DATE = 12/9/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BATTERY BACKUP SYSTEM CABINET DETAIL

SCALE: SHEET 55 OF 105 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	525	529
CONTRACT NO. 68F69				
ILLINOIS FED. AID PROJECT				



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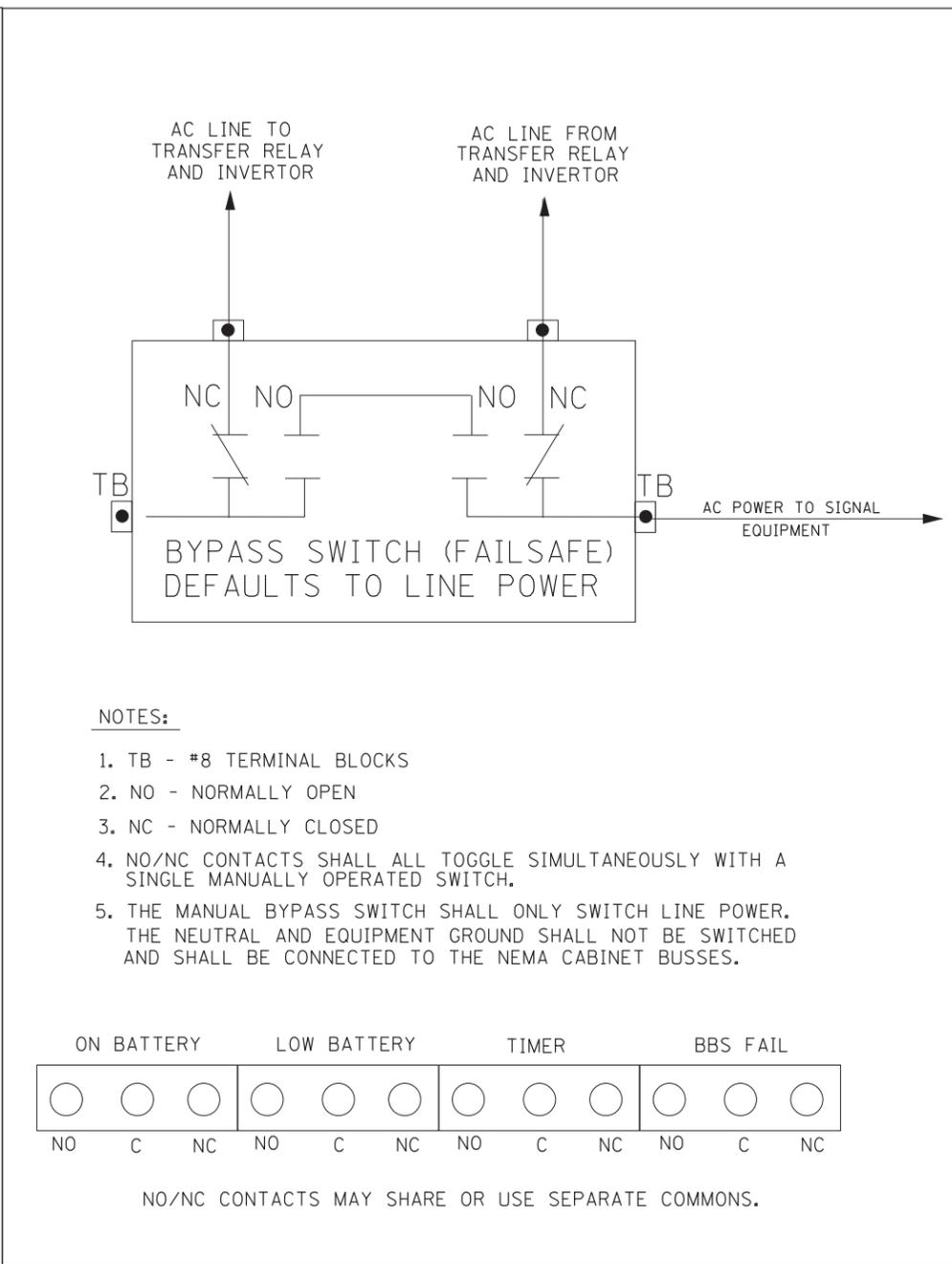
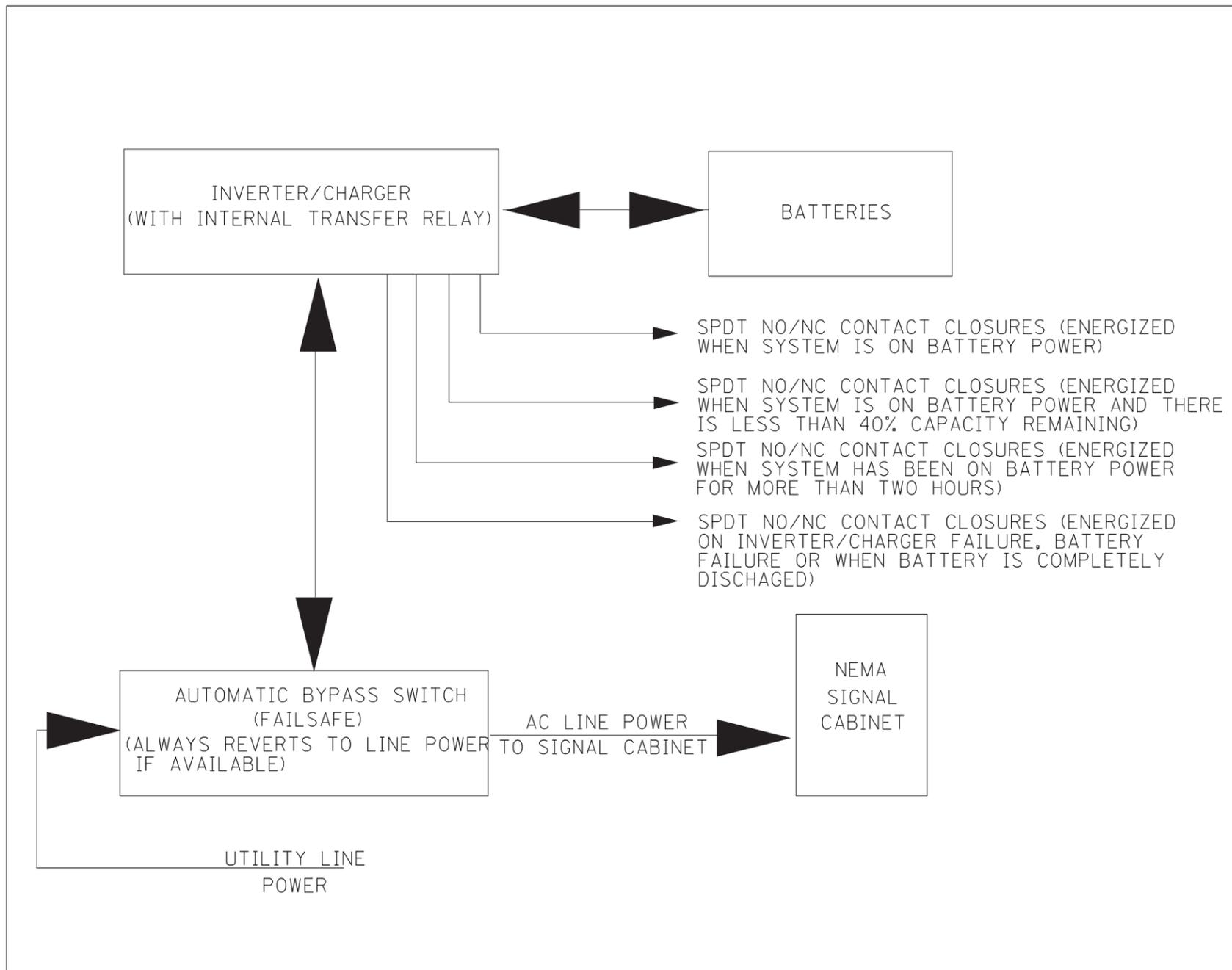
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/9/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BATTERY BACKUP SYSTEM CABINET WIRING DIAGRAM**

SCALE: SHEET 85 OF 105 SHEETS STA. TO STA.

TRAFFIC SIGNALS 5 OF 6				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	825	826
CONTRACT NO. 68F69				
ILLINOIS FED. AID PROJECT				



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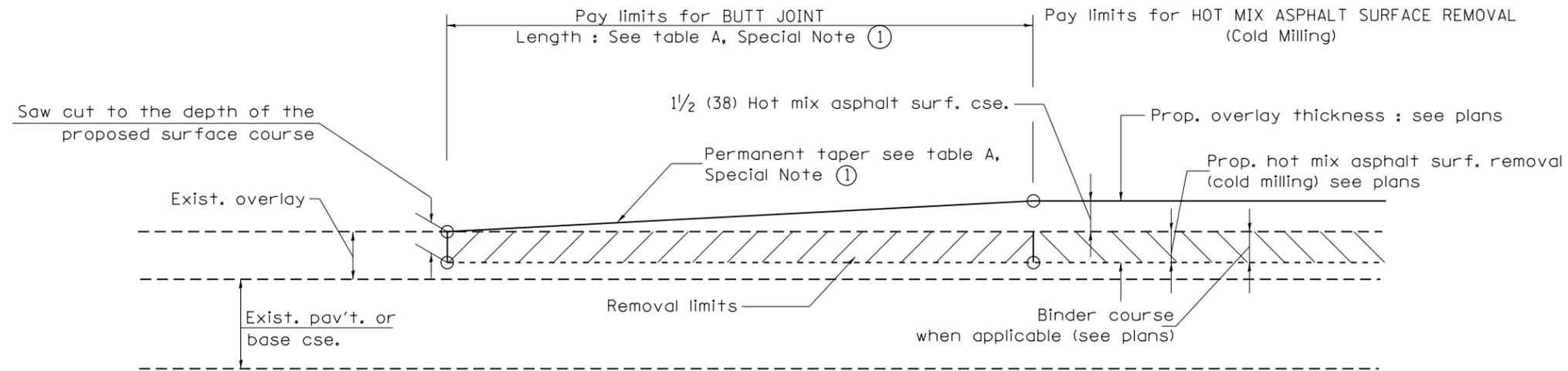
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/9/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BATTERY BACKUP SYSTEM BLOCK  
AND BYPASS SWITCH DIAGRAMS**

SCALE:      SHEET 55 OF 305 SHEETS      STA.      TO STA.

TRAFFIC SIGNALS 6 OF 6				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	101RS-4	TAZEWELL	525	55N
CONTRACT NO. 68F69				
ILLINOIS FED. AID PROJECT				



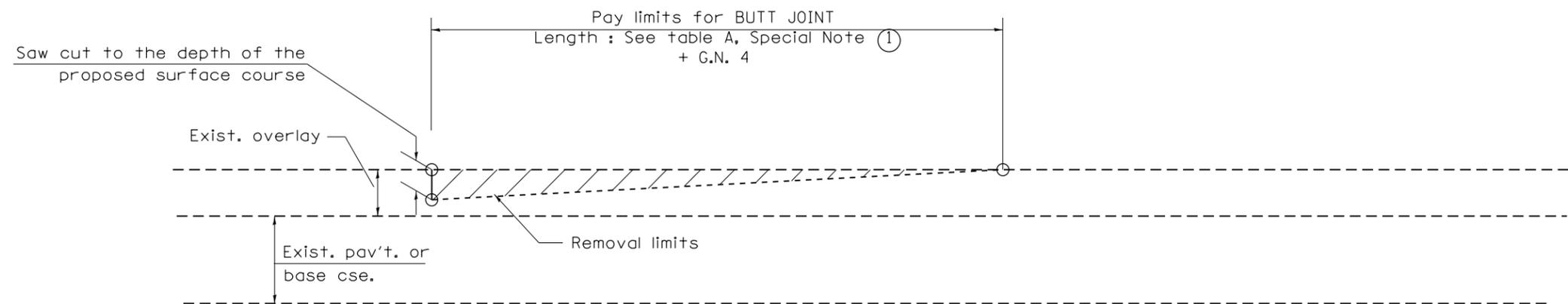
**CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

**TABLE A  
TAPER RATES**

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	BUTT JOINT TAPER RATE	1:480	1:240
②	TEMPORARY RAMP TAPER RATE	1:80	1:40

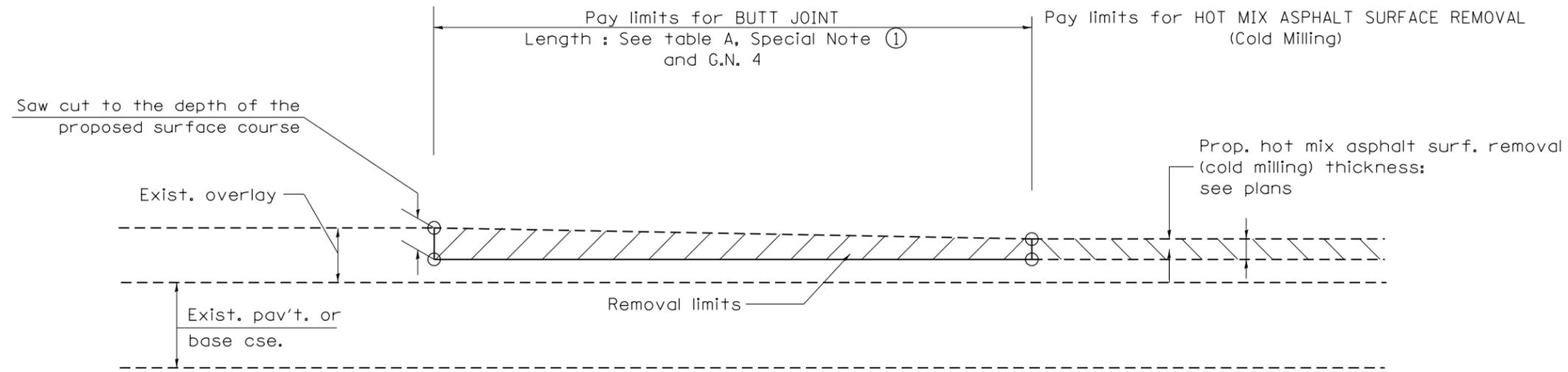
**GENERAL NOTES**

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.
4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.
5. Temporary ramps are paid for separately and not included in the cost of the butt joints.

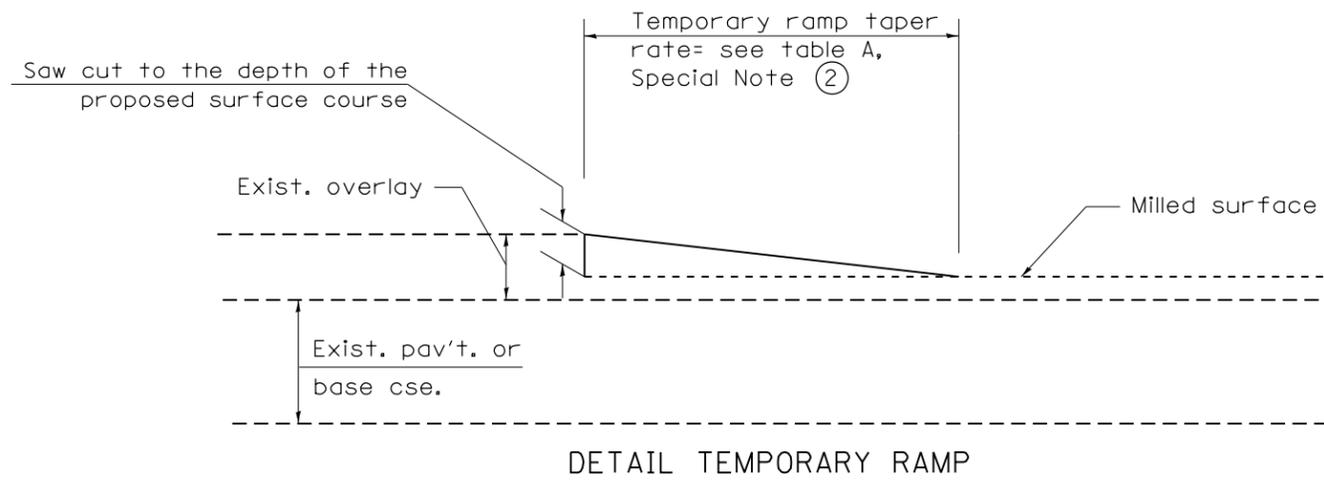


**CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

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

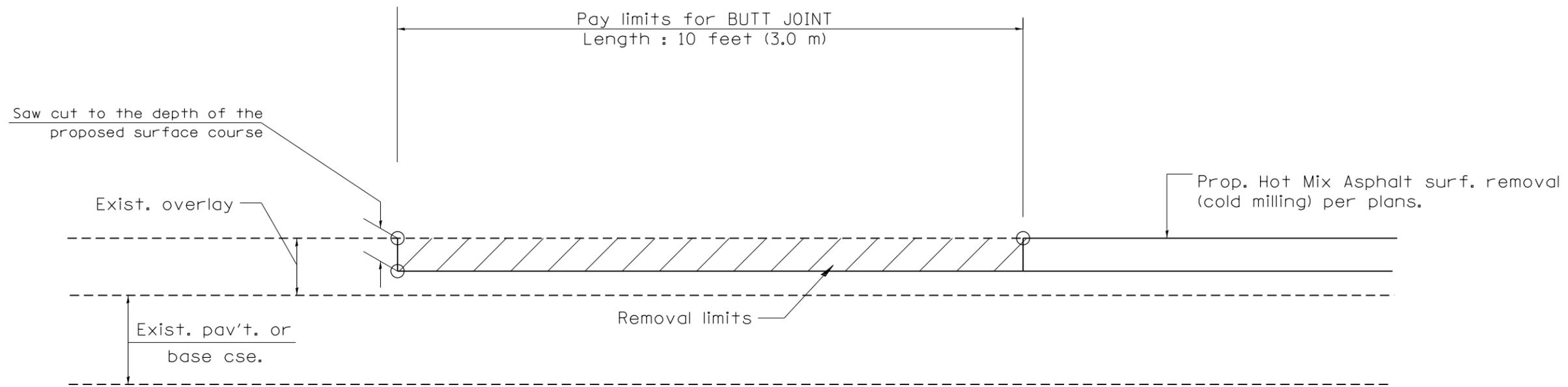


CASE 3 : HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER



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

				<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>BUTT JOINTS</b>		SHT. 2 OF 3 CADD STD. 406101-D4	
				NOT TO SCALE				CONTRACT NO. 68F69	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
673	101RS-4	Tazewell	32	29					
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT							

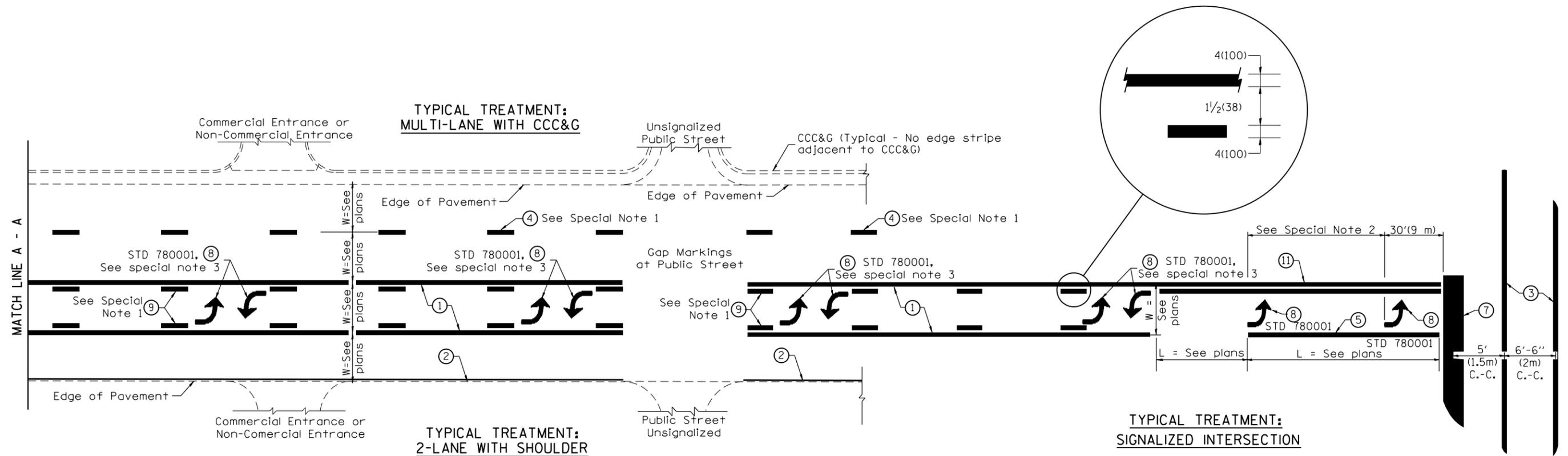


CASE 4 : SINGLE LIFT OVERLAY WITH EQUIVALENT DEPTH  
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER

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		NOT TO SCALE	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.							
673	101RS-4	Tazewell	32	30							
				CONTRACT NO. 68F69							
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT									

DESIGNER NOTES:  
1. Include State Standard 780001 (Typical Pavement Markings)



**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) ⑩
- ⑪ 4(100) Double Solid (Yellow) ⑪

**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.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:  
Through Arrow= 14.8 sq. ft.  
Large Left or Right Arrow= 21.9 sq. ft.  
2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.  
Wrong Way Arrow= 29.5 sq. ft.  
Railroad Crossing Symbol= 69.8 sq. ft.  
(For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

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.	2/29/16	ADDED GROOVING AREAS	R.D.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.	07-16-19	SPELLING CORRECTIONS	R.D.
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.			

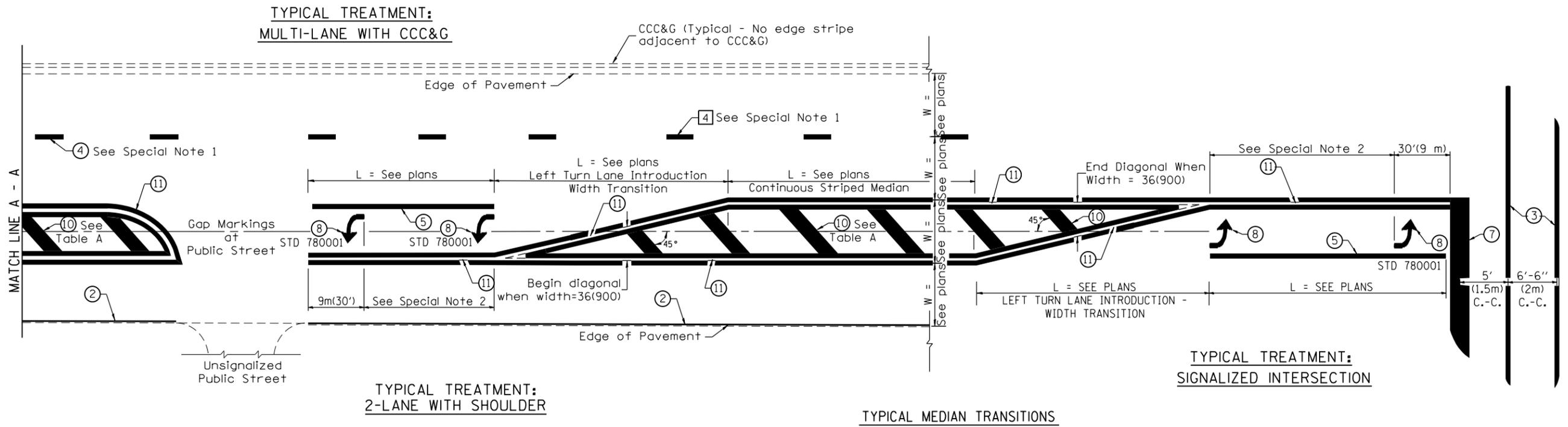
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

**TYPICAL PAVEMENT MARKINGS**

SHT. 1 OF 2  
CADD STD. 780001-D4

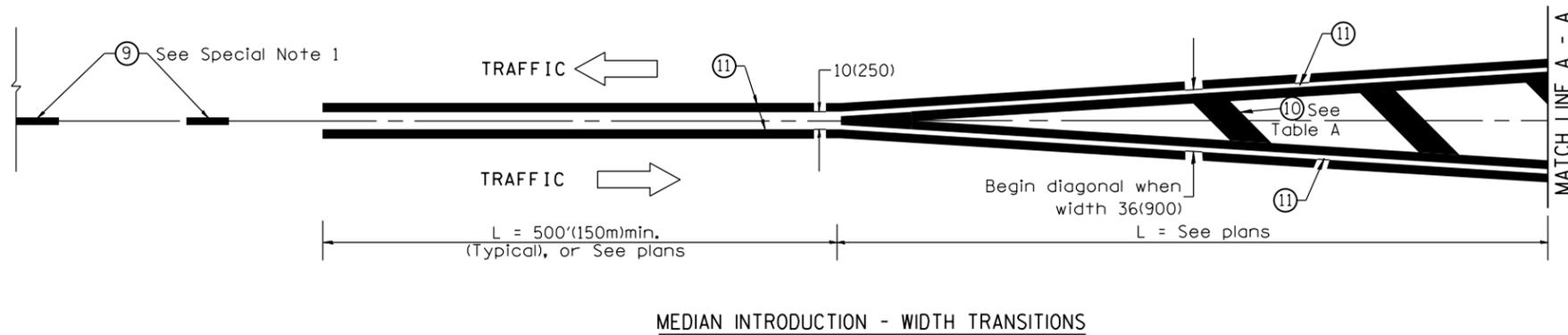
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	10IRS-4	Tazewell	32	31
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68F69	



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)



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