04-23-2021 LETTING ITEM 047

INDEX OF SHEETS

 $\bigcirc$ 

0

 $\bigcirc$ 

SEE SHEET 2 FOR INDEX OF SHEETS

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

# PROPOSED HIGHWAY PLANS

FAP 683 (IL 9)
SECTION 118-L
TAZEWELL COUNTY

PROJECT NUMBER: HSIP-1WQD(181)

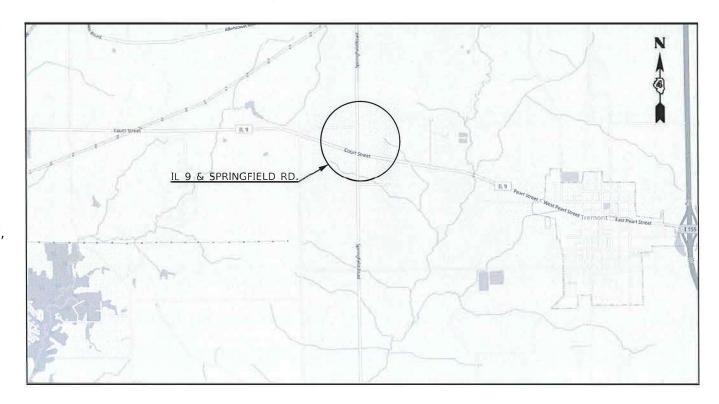
C-94-040-21

# HIGHWAY STANDARDS

SEE SHEET 2 FOR A LIST OF APPLICABLE HIGHWAY STANDARDS

#### PROJECT DESCRIPTION

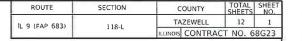
INSTALLATION OF OVERHEAD LIGHTING, FLASHING BEACONS, AND RUMBLE STRIPS AT IL 9 / SPRINGFIELD RD. INTERSECTION, WEST OF TREMONT.



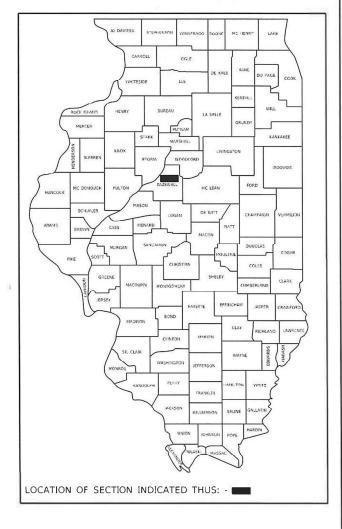
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

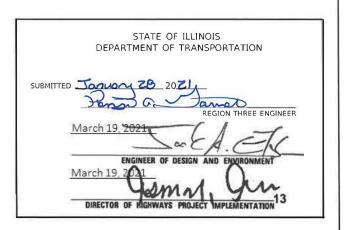
PROJECT ENGINEER: ERIC HOWALD (309) 671-4481 PROJECT MANAGER: BEN TELLEFSON (309) 671-4477

CATALOG NO. 36155-00D CONTRACT NO. 68G23



#### D-94-025-21





PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

## NO COMMITMENTS HAVE BEEN MADE IN CONJUNCTION WITH THIS PROJECT.

	INDEX OF SHEETS
SHEET	DESCRIPTION
1	COVER SHEET
2	COMMITMENTS, INDEX OF SHEETS, AND HIGHWAY STANDARDS
3	CONSTRUCTION NOTES
4	SUMMARY OF QUANTITIES
5	LIGHT POLE SCHEDULE
6	EXISTING LIGHTING REMOVAL ITEMS
7	PROPOSED FLASHER AND LIGHTING PLANS
8	FLASHING BEACON AND SIGN DETAILS
9	PROPOSED FLASHER AND OVERHEAD LIGHTING WIRING DIAGRAM
10	PROPOSED LED LUMINAIRE PERFORMANCE TABLE
11	PROPOSED LIGHTING CONTROLLER DETAIL
12	PROPOSED PAVEMENT MARKING AND RUMBLE STRIP INSTALLATION

	HIGHWAY STANDARDS
STANDARD	APPLICATION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY,
701300-04	FOR SPEEDS ≥ 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS
821101-02	LUMINAIRE WIRING IN POLE
825011-04	LIGHTING CONTROLLER PEDESTAL MOUNTED, 240V
830021-03	LIGHT POLE STEEL TENON TOP
838001-01	BREAKAWAY DEVICES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON
330001-01	INSTALLATION

701011-04 701106-02

USER NAME = howalder	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 105.9368 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/11/2021	DATE -	REVISED -	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION COMMITMENTS, INDEX OF SHEETS, AND HIGHWAY STANDARDS
IL 9 & SPRINGFIELD RD. — TAZEWELL COUNTY

SHEET OF SHEETS STA. TO STA.

#### CONSTRUCTION NOTES

- 1. THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
- 2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE GENERAL CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
- B. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
- 4. THE LOCATIONS FOR WOOD POLES AND SIGN POSTS ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.
- 5. ALL HIGHWAY LIGHTING STRUCTURES SHALL BE BONDED IN ACCORDANCE WITH NEC REQUIREMENTS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE PROPOSED LIGHT POLES AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS (INCLUDING CLAMPS, HARDWARE, ELECTRICAL CABLE, AND ALL OTHER ITEMS REQUIRED TO BOND THE STRUCTURES.)
- 6. THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.
- 7.  $\mid$  ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 817.04.
- 8. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
- 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.
- 10. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING LIGHTING SYSTEM COMPONENTS (LIGHT POLES, LUMINAIRES, TRANSFORMER BASES, LIGHTING CONTROLLER, WIRING, ETC.) AS SHOWN IN THE PLANS. THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR "REMOVE EXISTING LIGHTING SYSTEM." THE CONTRACTOR SHALL INCLUDE THE SALVAGE PRICE OF THESE ITEMS IN THE BID PRICE.
- 11. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW FUSEHOLDERS, FUSES, SURGE ARRESTORS, AND LUMINAIRE WIRING INSIDE THE POLE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE OF THE PROPOSED LUMINAIRES.
- 12. THE EXISTING LIGHTING SYSTEM SHALL REMAIN IN OPERATION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL STAGE THE PROJECT IN A MANNER THAT PREVENTS THE LIGHTING SYSTEM FROM BEING NONOPERATIONAL OVERNIGHT.
- 13. WOOD POLES SHALL BE INSTALLED A MINIMUM OF 26 FT. FROM IL 9 EDGE OF TRAVELED WAY AND 24 FT. FROM SPRINGFIELD RD. EDGE OF TRAVELED WAY.
- 14. WOOD POLES SHALL BE INSTALLED USING GUY WIRES IN ACCORDANCE WITH ARTICLE 1077.04 AND HIGHWAY STANDARD 880001-01. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE SPAN WIRE.
- 15. THE TRAFFIC SIGNAL SPAN WIRE AND SIGNAL HEAD SHALL BE ATTACHED TO THE WOOD POLES IN ACCORDANCE WITH HIGHWAY STANDARD 880001-01. ALL CABLES AND SIGNAL HEADS SHALL MAINTAIN AN 18 FT. CLEARANCE ABOVE THE HIGHEST POINT OF THE ROADWAY.
- 16 ALL SIGNAL HEADS SHALL HAVE 12" LENSES AND VISORS.
- THE FLASHING BEACON INSTALLATIONS SHALL CONFORM TO ALL APPLICABLE MUTCD STANDARDS.
- 18 THE COST OF THE PROPOSED 1.0 FT LUMINAIRE ARM SHALL BE INCLUDED IN THE COST OF THE LUMINAIRE MOUNTING BRACKET SPECIAL
- 19. ONE CHANGEABLE MESSAGE SIGN (IDOT FURNISHED) SHALL BE INSTALLED IN EACH DIRECTION ON IL ROUTE 9 A MINIMUM OF 14 DAYS PRIOR TO INSTALLATION OF STOP SIGNS ON IL ROUTE 9 AND WILL REMAIN IN PLACE 14 DAYS FOLLOWING THE INSTALLATION OF THE STOP SIGNS. THE RESIDENT ENGINEER SHALL NOTIFY BILL HARRMANN AT (309) 370-7513 A MINIMUM OF SEVEN DAYS IN ADVANCE TO ARRANGE DELIVERY OF THE SIGNS TO THE JOB SITE.

USER NAME = howalder	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 105.9368 / in.	CHECKED -	REVISED -
PLOT DATE = 1/29/2021	DATE -	REVISED -

* INDICATES SPECIALTY ITEM		SUMMARY OF QUANTITIES			TAZEWELL COUNTY CONST. TYPE CODE 0021 90% FEDERAL 10% STATE RURAL
	CODE	ITEM DESCRIPTION	UNIT	TOTAL QTY.	(SAFETY FUNDS)
	44003100	MEDIAN REMOVAL	SQ FT	8.0	8.0
	67100100	MOBILIZATION	L SUM	1.0	1.0
*	72000100	SIGN PANEL, TYPE 1	SQ FT	60.4	60.4
	73000100	WOOD SIGN SUPPORT	FOOT	124.0	124.0
*	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	78.0	78.0
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1200.0	1200.0
*	78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	782.0	782.0
*	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	155.0	155.0
*	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	159.0	159.0
	82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	14.0	14.0
	82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1.0	1.0
	83060830	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT	EACH	14.0	14.0
	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	14.0	14.0
	87200400	SPAN WIRE	FOOT	220.0	220.0
	87200500	TETHER WIRE	FOOT	220.0	220.0
	87302245	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	176.0	176.0
	X0325541	REMOVE EXISTING LIGHTING SYSTEM	L SUM	1.0	1.0
	X0326899	SOLAR -POWERED FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	4.0	4.0
	X0327643	TRAFFIC SIGNAL WOOD POLE, 40 FT, CLASS 5	EACH	2.0	2.0
	X1400175	SOLAR-POWERED FLASHING BEACON ASSEMBLY (DUAL-ALTERNATING)	EACH	2.0	2.0
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0	1.0
	X8210402	LUMINAIRE MOUNTING BRACKET - SPECIAL	EACH	14.0	14.0
	X8800081	SIGNAL HEAD, LED, 4-FACE, 1-SECTION, SPAN WIRE MOUNTED	EACH	1.0	1.0
*	Z0055300	RUMBLE STRIP	EACH	6.0	6.0
DESIGNED -	REVISED	-	I	SUMMARY OF	OHANTITIES

JSER NAME = howalder

PLOT DATE = 1/29/2021

PLOT SCALE = 105.9368 / in.

CHECKED -

REVISED -

REVISED

REVISED -

DRAWN

DATE

				LIG	HT POLE SCHEDULE		
POLE NO.	ROUTE	POLE TYPE	MOUNTING HEIGHT (FT.)	ARM LENGTH (FT.)	INSTALLATION DETAILS	LUMINAIRE MOUNTING BRACKET- SPECIAL QTY.	LUMINAIRE
1	SPRINGFIELD RD.	GALVANIZED STEEL, TENON MOUNT	45.0	1.0	INSTALL ON PROP. TRANSFORMER BASE ON EX. FOUNDATION	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
2	SPRINGFIELD RD.	GALVANIZED STEEL, TENON MOUNT	45.0	1.0	INSTALL ON PROP. TRANSFORMER BASE ON EX. FOUNDATION	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
3	SPRINGFIELD RD.	GALVANIZED STEEL, TENON MOUNT	45.0	1.0	INSTALL ON PROP. TRANSFORMER BASE ON EX. FOUNDATION	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
4	SPRINGFIELD RD.	GALVANIZED STEEL, TENON MOUNT	45.0	1.0	INSTALL ON PROP. TRANSFORMER BASE ON EX. FOUNDATION	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
5	IL 9	GALVANIZED STEEL, TENON MOUNT	45.0	1.0	INSTALL ON PROP. TRANSFORMER BASE ON EX. FOUNDATION	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
6	SPRINGFIELD RD.	GALVANIZED STEEL, TENON MOUNT	45.0	1.0	INSTALL ON PROP. TRANSFORMER BASE ON EX. FOUNDATION	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
7	IL 9	GALVANIZED STEEL, TENON MOUNT	45.0	1.0	INSTALL ON PROP. TRANSFORMER BASE ON EX. FOUNDATION	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
8	IL 9	GALVANIZED STEEL, TENON MOUNT	45.0	1.0	INSTALL ON PROP. TRANSFORMER BASE ON EX. FOUNDATION	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
9	IL 9	GALVANIZED STEEL, TENON MOUNT	45.0	1.0	INSTALL ON PROP. TRANSFORMER BASE ON EX. FOUNDATION	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
10	IL 9	GALVANIZED STEEL, TENON MOUNT	45.0	1.0	INSTALL ON PROP. TRANSFORMER BASE ON EX. FOUNDATION	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
11	IL 9	GALVANIZED STEEL, TENON MOUNT	45.0	1.0	INSTALL ON PROP. TRANSFORMER BASE ON EX. FOUNDATION	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
12	IL 9	GALVANIZED STEEL, TENON MOUNT	45.0	1.0	INSTALL ON PROP. TRANSFORMER BASE ON EX. FOUNDATION	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
13	SPRINGFIELD RD.	GALVANIZED STEEL, TENON MOUNT	45.0	1.0	INSTALL ON PROP. TRANSFORMER BASE ON EX. FOUNDATION	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H
14	SPRINGFIELD RD.	GALVANIZED STEEL, TENON MOUNT	45.0	1.0	INSTALL ON PROP. TRANSFORMER BASE ON EX. FOUNDATION	1.0	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHT POLE SCHEDULE

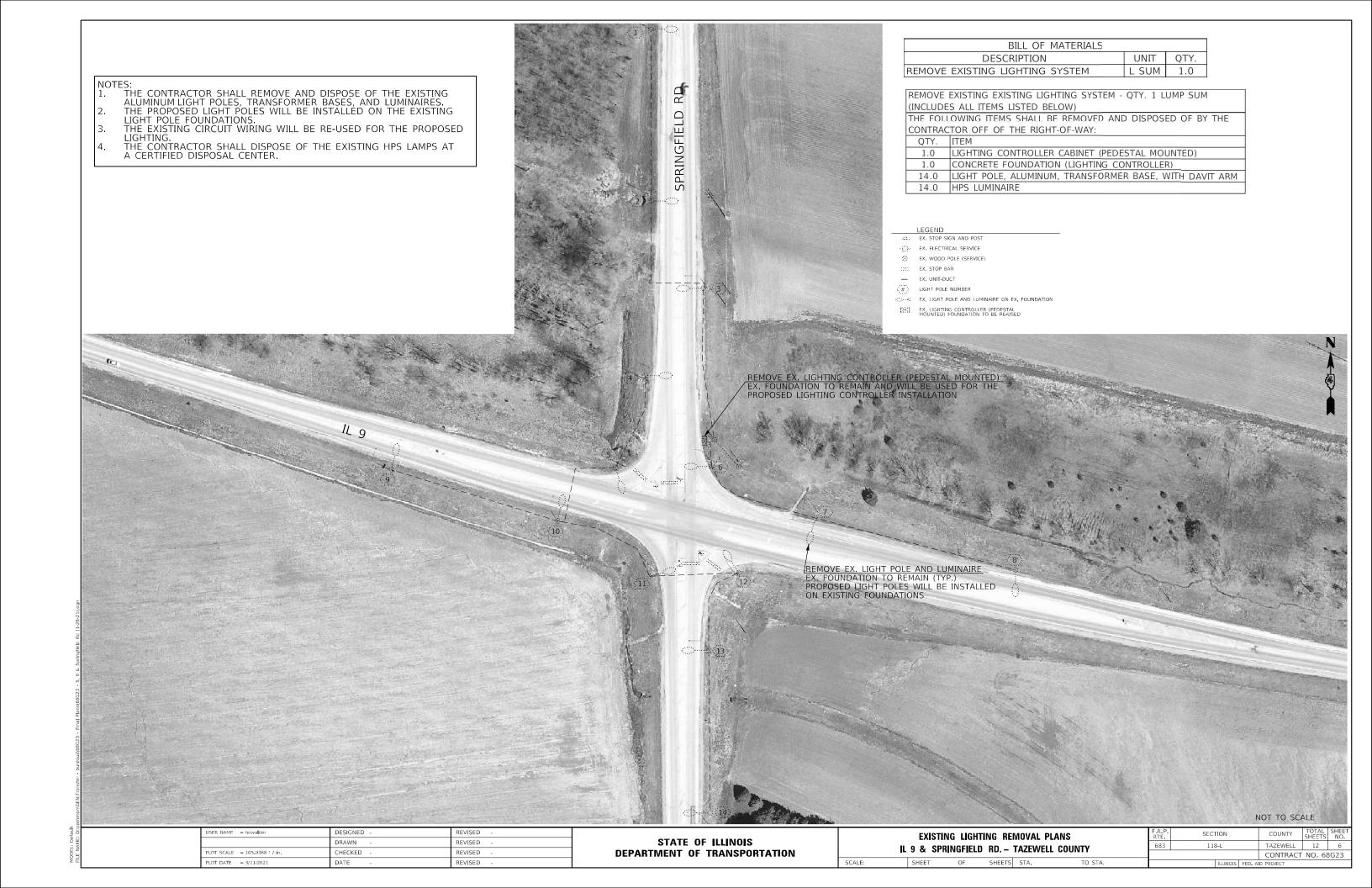
IL 9 & SPRINGFIELD RD. – TAZEWELL COUNTY

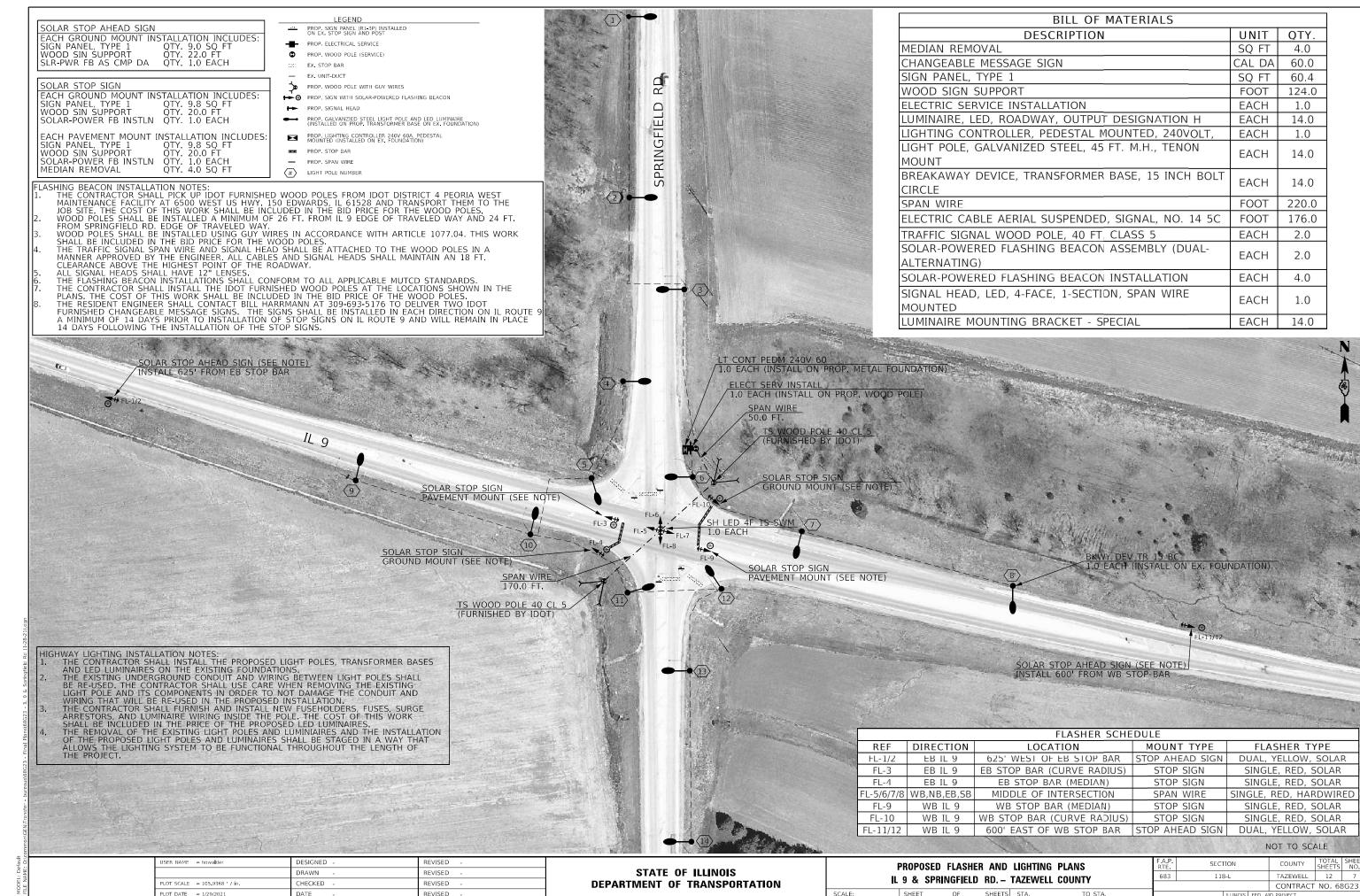
SHEET OF SHEETS STA. TO STA.

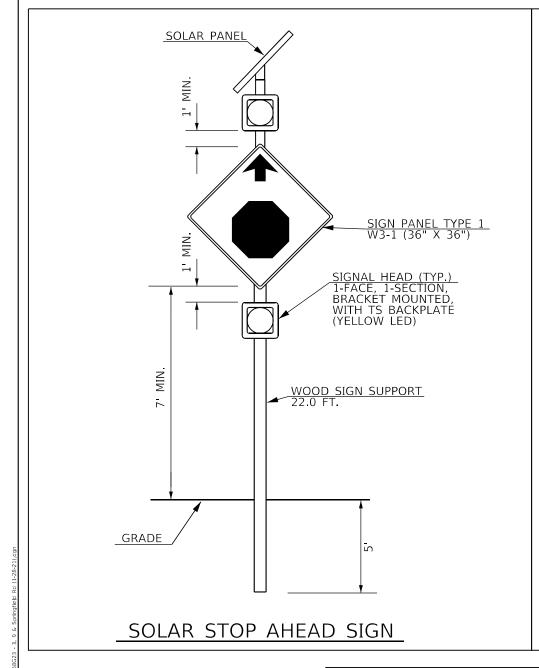
F.A. P. SECTION COUNTY TOTAL SHEET NO.

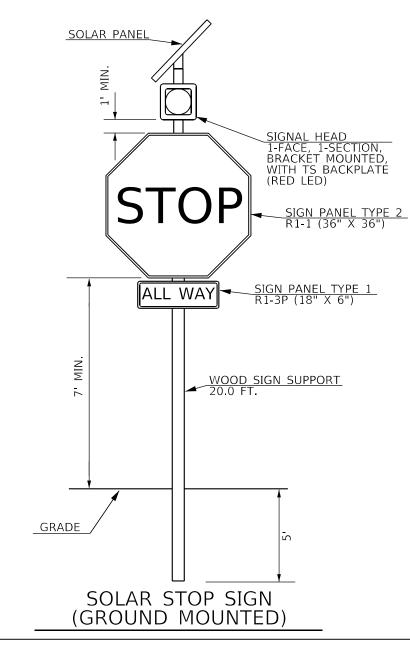
683 118-L TAZEWELL 12 5

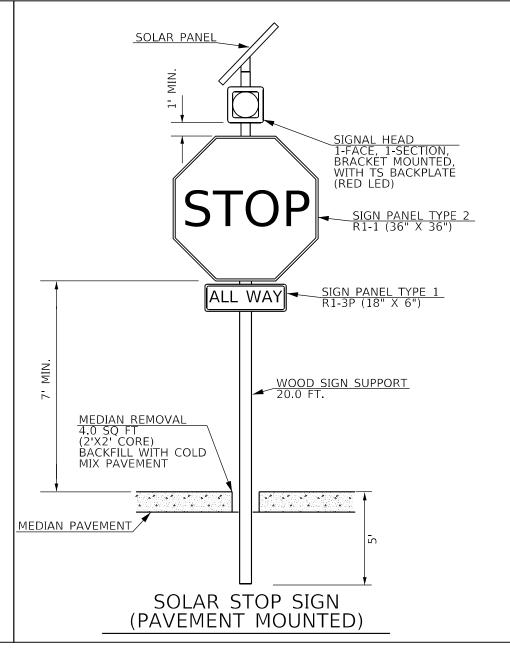
CONTRACT NO. 68G23











- NOTES:

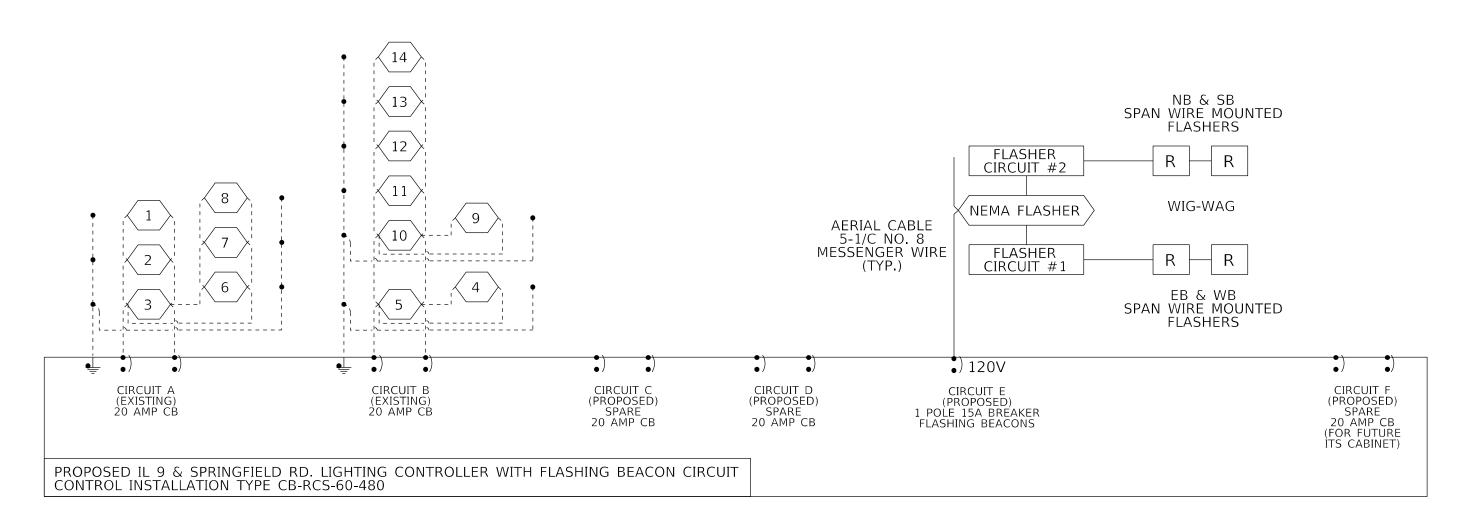
  1. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED COMPONENTS INCLUDING, BUT NOT LIMITED TO, SOLAR PANEL, CONTROL UNIT, BRACKETING, HARDWARE, ELECTRICAL COMPONENTS, WIRING, TWO FLASHING BEACON ASSEMBLIES (YELLOW LED) FOR OPERATION OF THE SOLAR-POWERED FLASHING BEACON ASSEMBLY (DUAL-ALTERNATING), THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE SOLAR-POWERED FLASHING BEACON ASSEMBLY (DUAL-ALTERNATING.)

  2. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED COMPONENTS INCLUDING, BUT NOT LIMITED TO, SOLAR PANEL, CONTROL UNIT, BRACKETING, HARDWARE, ELECTRICAL COMPONENTS, WIRING, ONE FLASHING BEACON ASSEMBLY (RED LED) FOR OPERATION OF THE SOLAR-POWERED FLASHING BEACON INSTALLATION.
- THE SOLAR-POWERED FLASHING BEACON INSTALLATION.

  AFTER THE SIGN POSTS HAVE BEEN INSTALLED, THE CONTRACTOR SHALL BACKFILL THE 2'X2' HOLE IN THE MEDIAN PAVEMENT WITH COLD MIX ASPHALT. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE MEDIAN REMOVAL.

NOT TO SCALE

	USER NAME = howalder	DESIGNED -	REVISED -							RTE.	SECTION	COUNTY SHEETS NO.
		DRAWN -	REVISED -	STATE OF ILLINOIS	FLASHING BEACON AND SIGN DETAILS					683	118-L	TAZEWELL 12 8
	PLOT SCALE = 105.9368 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION						,		CONTRACT NO. 68G23
	PLOT DATE = 1/29/2021	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED. A	ID PROJECT



#### NOTES:

- 1. THE CONTRACTOR SHALL FIELD VERIFY LIGHTING SYSTEM VOLTAGE, LUMINAIRE TYPE, AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- 2. THE PROPOSED LIGHTING CONTROLLER SHALL CONTAIN ONE NEMA FLASHER SOCKET, NEMA FLASHER, TERMINAL BLOCKS, AND ALL OTHER ITEMS REQUIRED FOR FLASHING BEACON OPERATION. THE COST OF THESE ITEMS SHALL BE INCLUDED IN THE COST OF THE LIGHTING CONTROLLER.
- 3. THE CONTRACTOR SHALL FURNISH AND INSTALL A METAL SCREW-IN FOUNDATION, PEDESTAL POST, AND TRANSFORMER BASE. THE COST OF THESE ITEMS SHALL BE INCLUDED IN THE BID PRICE OF THE LIGHTING CONTROLLER.

#### LEGEND

# PROP. LED LUMINAIRE (INSTALLED ON PROP. LIGHT POLE)

R PROP. 1-SECT. SIGNAL HEAD, RED (PART OF SIGNAL HEAD, 4-FACE, 1-SECT. SPAN WIRE MOUNTED)

PROP. AERIAL CABLE, SUSPENDED, SIGNAL NO. 14 5C

--- EX. UNIT-DUCT AND GROUND

USER NAME = howalder	DESIGNED -	REVISED -								F.A.P.	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS	PROPOSED	FLASHER A	AND OVE	ERHEAD	LIGHTING	WIRING DIAGRAM	683	118-L	TAZEWELL	12	9
PLOT SCALE = 105.9368 / in	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION									CONTRACT	NO. 68	G23
PLOT DATE = 1/29/2021	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. AI	ID PROJECT		

### ILLINOIS DEPARTMENT OF TRANSPORTATION **LUMINAIRE PERFORMANCE TABLE**

LED replacement for 400W HPS Horizontal Mount luminaire

#### **GIVEN CONDITIONS**

ROADWAY DATA	Lane Width	12 ft
	Number of Lanes (in One direction Only)	4
	Median Width	0 ft
	I.E.S. Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA	Mounting Height	45 ft
	Luminaire Overhang From Edge of Pavement (White Line)	0 ft
LUMINAIRE DATA	Luminaire Type	LED
	I.E.S. Vertical Distribution	Medium
	BUG Rating	U = 0
	I.E.S. Lateral Distribution	Type II or III
	Total Light Loss Factor	0.684
LAYOUT DATA	Spacing	240 ft
	Configuration	One Sided

#### NOTES:

1. Total light loss factor is the product of "Lumen Depreciation" (LLD) = 0.90, "Dirt Depreciation" (LDF) = 0.80, and "Equipment factors" (EF) = 0.95.

#### PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

ILLUMINANCE	Average Illuminance, E <sub>AVE</sub>	0.9 fc to 1.4 fc
	Uniformity Ratio, E <sub>AVE</sub> /E <sub>MIN</sub>	≤ 3.0:1
		-
LUMINANCE	Average Luminance, L <sub>AVE</sub>	$0.6 \text{ cd/m}^2 \text{ to } 0.9 \text{ cd/m}^2$
	Uniformity Ratio, L <sub>AVE</sub> /L <sub>MIN</sub>	≤ 3.5:1
	Uniformity Ratio, L <sub>MAX</sub> /L <sub>MIN</sub>	≤ 6.0:1
	Max. Veiling Luminance Ratio, Lv/Lave	≤ 0.3:1

NOTE: PERFORMANCE VALUES MAY BE ROUNDED UP TO ONE SIGNIFICANT DIGIT.

JSER NAME = howalder DESIGNED -REVISED DRAWN REVISED CHECKED REVISED PLOT DATE = 1/29/2021 REVISED DATE

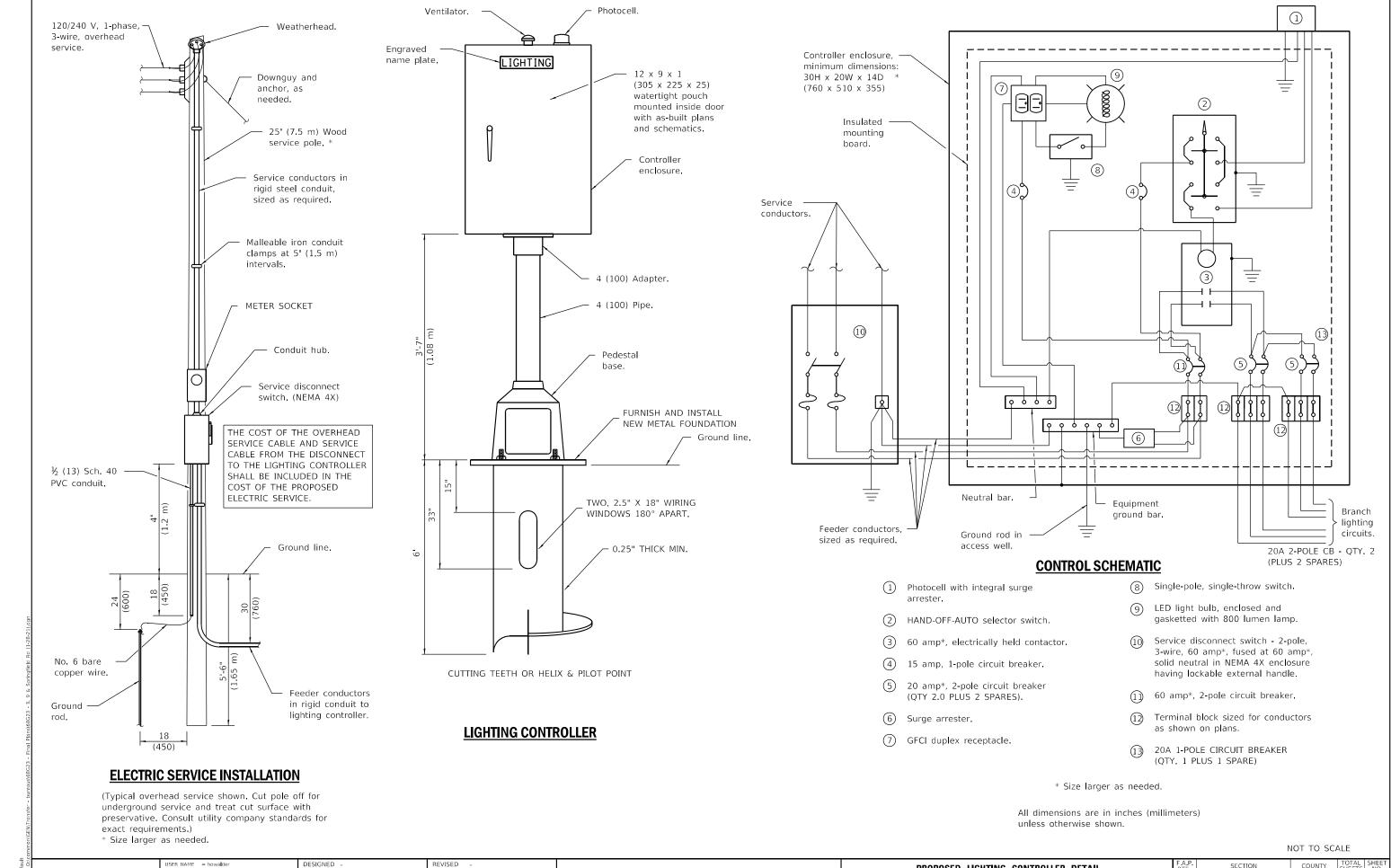
PRO	POSED LED	LUMIN	IAIRE P	ERFORMAN	ICE TABLE	F.A.P. RTE. 683	SECTION 118-L	COUNTY TAZEWELL CONTRACT	TOTAL SHEETS 12	NO. 10
	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		

NOTES:

1. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW LUMINAIRE WIRING, ARRESTORS, FUSES, AND FUSEHOLDERS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE PROPOSED LUMINAIRES.

2. THE CONTRACTOR SHALL DISPOSE OF THE EXISTING HPS LAMPS AT AN APPROVED FACILITY, THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE PROPOSED LUMINAIRES.

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

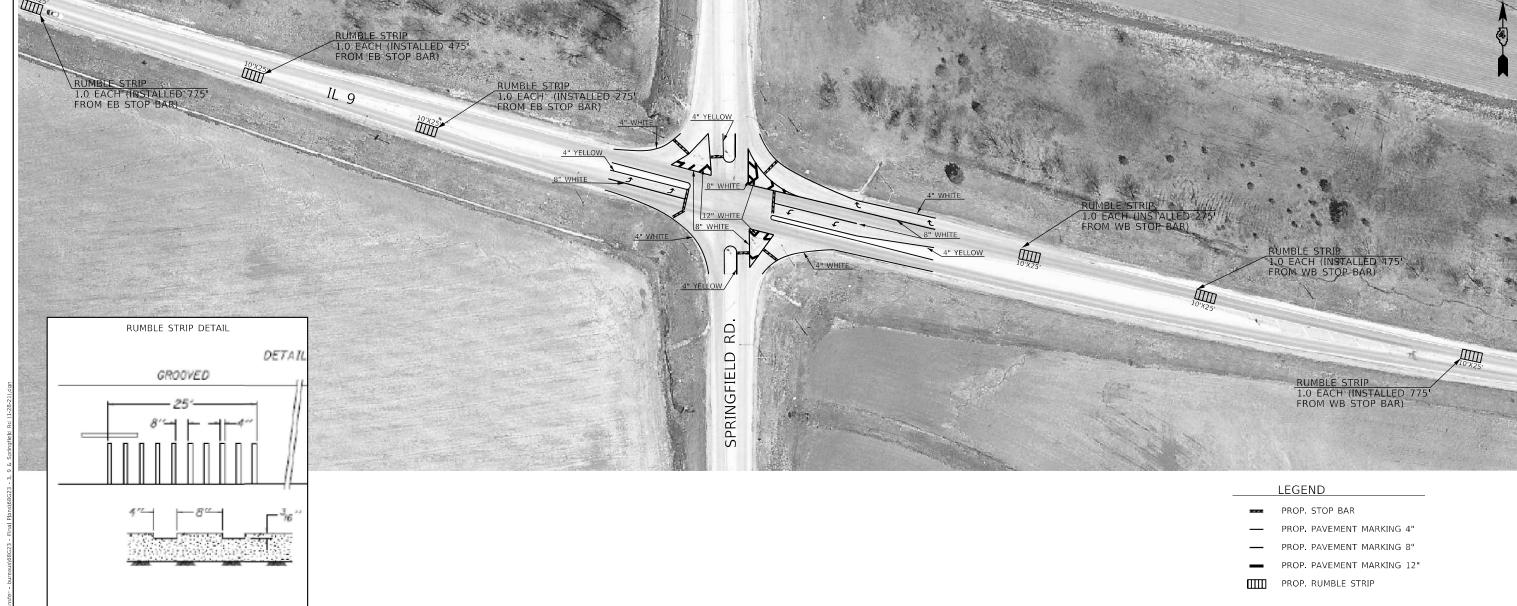


PROPOSED LIGHTING CONTROLLER DETAIL STATE OF ILLINOIS DRAWN REVISED 683 118-L TAZEWELL 12 11 IL 9 & SPRINGFIELD RD. - TAZEWELL COUNTY HECKED REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 68G23 SHEETS STA. LOT DATE = 1/29/2021 REVISED DATE

PAVEMENT MARKING SCHEDULE									
PAY ITEM NO.	78009000	7800	9004	78009008	78009012	78009024			
DESCRIPTION	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	PAVE	HANE MENT G - LINE	PAVEMENT	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	PAVEMENT			
COLOR	WHITE	YELLOW	WHITE	WHITE	WHITE	WHITE			
UNIT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT			
IL 9 & SPRINGFIELD RD.	78.0	533.0	667.0	782.0	155.0	159.0			

BILL OF MATERIALS										
DESCRIPTION	UNIT	QTY.								
MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	78.0								
MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1200.0								
MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	782.0								
MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	155.0								
MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	159.0								
RUMBLE STRIP	EACH	6.0								

ALL STOP BARS ARE 24" WHITE



NOT TO SCALE

	USER NAME = howalder	DESIGNED -	REVISED -			PROPOSED PAVEMENT MARKING AND RUMBLE STRIP INSTALLATION				F.A.P. RTE	SECTION	COUNTY	TOTAL	SHEET NO.	
L		DRAWN -	REVISED -	STATE OF ILLINOIS	INUIS I			683	118-L	TAZEWELL	12	12			
	PLOT SCALE = 105.9368 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	IL 9 & SPRINGFIELD RD. – TAZEWELL COUNTY				COOMIY		-	CONTRACT	F NO. 6	8G23	
	PLOT DATE = 1/29/2021	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		