

SUMMARY OF TRAFFIC SIGNAL QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	IL RTE. 15 AT 45TH ST. / POTOMAC BLVD.	IL RTE. 15 AT RAMPS A & D	IL RTE. 15 AT RAMPS B & C	IL RTE. 15 AT 44TH ST.	VETERANS MEMORIAL DR. AT RAMPS C & D	VETERANS MEMORIAL DR. AT RAMPS A & B
80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	5	1	1	1		1	1
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	2,411	136	1,061	706	108	214	186
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	2,636	553	610	670	68	315	420
81400100	HANDHOLE	EACH	20	4	4	5		3	4
81400300	DOUBLE HANDHOLE	EACH	5	1	1	1		1	1
81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	5,035	1,897	288	898		1,124	828
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	18	7	1	2		4	4
82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	2					1	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	3	1	1	1			
85700300	FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	5	1	1	1		1	1
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	5	1	1	1		1	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	4,775	856	911	1,323	561	534	590
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	15,891	3,644	2,894	3,715	1,487	2,284	1,867
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3,036	1,512	327	204	393	377	223
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	1,734	87	888	529		156	74
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	5,590	740	1,697	1,432	402	622	697
87502660	TRAFFIC SIGNAL POST, ALUMINUM 12 FT.	EACH	7		2	2		1	2
87502700	TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	16	3	3	4		2	4
87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	6	3	1		1	1	
87700140	STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	3		1	2			
87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1		1				
87700404	STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	1		1				
87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	2		1	1			
87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1			1			
87703080	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 68 FT.	EACH	1	1					
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	71	10	16	16		10	19
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	20	4	4	4		4	4
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	32		11	21			
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	123	27	23	25		25	23
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	69	47	22				
87900200	DRILL EXISTING HANDHOLE	EACH	1				1		
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	14	2	3	3		2	4
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	37	10	9	9		5	4
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3		1	1			1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	2					
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2	2					
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1 - 3-SECTION, 1 - 4-SECTION, BRACKET MOUNTED	EACH	3					2	1
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1 - 3-SECTION, 1 - 5-SECTION, BRACKET MOUNTED	EACH	2	1					1
88040310	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1 - 3-SECTION, 2 - 5-SECTION, BRACKET MOUNTED	EACH	1	1					
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	14	2	4	4		2	2
88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2	2					
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	69	21	13	13		11	11
88800100	PEDESTRIAN PUSH-BUTTON	EACH	2				2		
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	4	1	1	1	1		

* NOTE: THE LUMINAIRE FINISH SHALL BE BLACK FOR THE INTERSECTIONS OF IL 15 AND 45TH STREET / POTOMAC BOULEVARD, IL 15 AND RAMPS A/D, AND IL 15 AND RAMPS B/C FOR A TOTAL OF 10. THE LUMINAIRE FINISH SHALL BE GRAY FOR THE INTERSECTIONS OF VETERANS MEMORIAL DRIVE FOR A TOTAL OF 8.

MODEL: TS-4403 [Sheet]
FILE NAME: p:\working\paulburley\conzint\connect\projects\Documenta\DOT\20060601-40\660100\Sheets\8978483-4403_Schedule.dgn



USER NAME = Brian Bond	DESIGNED - BMB	REVISED -
	DRAWN - RAH	REVISED -
PLOT SCALE = 0.16666667' / in.	CHECKED - SPH	REVISED -
PLOT DATE = 12/30/2024	DATE - DEC 2024	REVISED -



























STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNALS
SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13,13-2(N-1,TS-1) : (41-3)HB2	JEFFERSON	787	506
CONTRACT NO. 78483				
ILLINOIS FED. AID PROJECT				

LIGHTING LEGEND

-  P
- PROPOSED GROUND MOUNTED LIGHTING UNIT
ALUMINUM, 45' M.H., 15' M.A., LED LUMINAIRE
WITH 15" B.C. ON CONCRETE FOUNDATION AND BREAKAWAY COUPLINGS
WITH STAINLESS STEEL SCREEN
(PRESTAGE SHOWN)
-  P
- PROPOSED GROUND MOUNTED LIGHTING UNIT
BLACK ANODIZED ALUMINUM, 45' M.H., 15' M.A., BLACK LED LUMINAIRE
WITH 15" B.C. ON CONCRETE FOUNDATION AND BREAKAWAY COUPLINGS
WITH STAINLESS STEEL SCREEN
(PRESTAGE SHOWN)
-  P
- PROPOSED BRIDGE MOUNTED LIGHTING UNIT
BLACK ANODIZED ALUMINUM, 45' M.H., 4' M.A., BLACK LED LUMINAIRE
WITH HOUSE SIDE SHIELD
(PRESTAGE SHOWN)
- 
- PROPOSED LED LUMINAIRE ON EXISTING LIGHTING UNIT
- 
- COMBINATION MAST ARM AND POLE (SEE NOTE 3)
- 
- PROPOSED JUNCTION BOX, STAINLESS STEEL, ATTACHED TO
STRUCTURE, 12" X 12" X 6", UNLESS NOTED OTHERWISE
- 
- PROPOSED LIGHTING CONTROLLER, BASE MOUNTED
240/480V, 200 AMP, 1-PHASE, 3-WIRE
WITH BLACK POWDER COAT FINISH
- 
- PROPOSED ELECTRIC SERVICE INSTALLATION,
240/480V, 200 AMP, 1-PHASE, 3-WIRE
- 
- PROPOSED UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA.
POLYETHYLENE, UNLESS OTHERWISE NOTED
- 
- PROPOSED ELECTRIC CABLE IN CONDUIT ATTACHED TO STRUCTURE, SIZE AS NOTED ON PLAN
- 
- PROPOSED ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1C NO.6, 1/C NO.8 GROUND,
IN CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC, UNLESS OTHERWISE NOTED
- 
- PROPOSED UNDERGROUND CONDUIT CASING, CNC, 2" DIA.
- 
- PROPOSED UNDERPASS LUMINAIRE
-  R,P
- EXISTING LIGHTING UNIT TO BE REMOVED, FOUNDATION TO BE REMOVED
(PRESTAGE SHOWN)
-  R
- EXISTING LUMINAIRE AND LUMINAIRE MAST ARM TO BE REMOVED FROM
COMBINATION LIGHT POLE (SEE TRAFFIC SIGNAL PLANS FOR REMOVAL)
-  R
- EXISTING LUMINAIRE TO BE REMOVED FROM EXISTING LIGHTING UNIT
-  R
- EXISTING LIGHTING CONTROLLER TO BE REMOVED
-  R
- EXISTING ELECTRIC SERVICE TO BE REMOVED
- 
- EXISTING ELECTRIC CABLE TO BE REMOVED
- 
- EXISTING LIGHTING CONTROLLER TO REMAIN
- 
- EXISTING LIGHTING UNIT TO REMAIN
- 
- EXISTING ELECTRIC CABLE TO REMAIN
-  T,P
- TEMPORARY WOOD POLE, 60' CLASS 4, 50' M.H., 15' M.A., LED LUMINAIRE
(PRESTAGE SHOWN)
-  T,P
- TEMPORARY WOOD POLE, 60' CLASS 4, 50' M.H.
(PRESTAGE SHOWN)
- 
- TEMPORARY AERIAL CABLE, 2-1/C NO. 6 WITH MESSENGER WIRE, UNLESS OTHERWISE
NOTED OTHERWISE
- 
- TEMPORARY UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA.
POLYETHYLENE, UNLESS OTHERWISE NOTED

HIGHWAY STANDARDS

- 812001-01 RACEWAYS EMBEDDED IN STRUCTURE
- 821001 UNDERPASS LIGHTING WALL MOUNT
- 821006 UNDERPASS LIGHTING SUSPENDED
- 821101-02 LUMINAIRE WIRING IN POLE
- 825026-04 LIGHTING CONTROLLER, BASE MOUNTED, 480V
- 830001-03 LIGHT POLE ALUMINUM MAST ARM
- 836001-04 LIGHT POLE FOUNDATION
- 838001-01 BREAKAWAY DEVICES

CALLOUT KEY

LIGHT POLE DESIGNATION:



LIGHTING SUMMARY OF QUANTITIES

S.P.	DESCRIPTION	UNIT	QUANTITY
	ELECTRIC SERVICE INSTALLATION	EACH	1
	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	820
	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL	FOOT	860
	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	40
	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	620
	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	12
	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	4
	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	4
	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	22,000
	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2,580
	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	620
	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1,240
	AERIAL CABLE, 2-1/C NO. 6 WITH MESSENGER WIRE	FOOT	3,815
**	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	105
**	LUMINAIRE, LED, UNDERPASS, WALLMOUNT, OUTPUT DESIGNATION E	EACH	4
**	LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E	EACH	4
	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. MAST ARM	EACH	60
	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	630.5
	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	388
	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	22
	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	51
	REMOVAL OF POLE FOUNDATION	EACH	51
	REMOVAL OF LIGHTING CONTROLLER	EACH	1
	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
*	TEMPORARY WOOD POLE, 60 FT., CLASS 4, 15 FT. MAST ARM	EACH	21
*	TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	1
*	REMOVAL OF LIGHTING LUMINAIRE, NO SALVAGE	EACH	4
**	TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION I	EACH	21
*	MAINTAIN EXISTING LIGHTING SYSTEM	L SUM	1
*	LIGHT POLE, SPECIAL, 15 FT. MAST ARM	EACH	37
*	LIGHT POLE, SPECIAL, 4 FT. MAST ARM	EACH	4
*	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP WITH BLACK POWDER COAT FINISH	EACH	1

LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H (82110008)	
LUMINAIRE FINISH	QUANTITY
GRAY	64
BLACK	41
TOTAL QUANTITY	105

- * THE CONTRACTOR SHALL FURNISH AND INSTALL FOUR (4) BLACK LUMINAIRE HOUSE SIDE SHIELDS FOR FOUR (4) BRIDGE MOUNTED LIGHTING UNITS TO LIMIT BACKLIGHT. THE COST OF THIS WORK IS INCLUDED IN THE LUMINAIRE.

GENERAL NOTES:

1. IN NO INSTANCE SHALL THE CONTRACTOR INSTALL A LIGHT POLE WITHIN 5 FT OF BACK OF GUARDRAIL POST.
2. ALL SETBACKS ARE MEASURED FROM EDGE OF PAVEMENT.
3. SEE TRAFFIC SIGNAL PLANS FOR INSTALLATION.
4. TEMPORARY LIGHT POLES SHALL BE INSTALLED OUTSIDE THE CLEARZONE.
5. THE CONTRACTOR SHALL ENSURE CONTINUITY OF THE CIRCUITS VIA UNDERGROUND OR AERIAL CABLE INSTALLATION, AS NECESSARY, DURING CONSTRUCTION STAGES. THIS WORK SHALL BE PAID FOR AS "MAINTAIN EXISTING LIGHTING SYSTEM".

S.P. COLUMN

- * INDICATES SPECIAL PROVISION
- ** INDICATES SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS

INDEX OF SHEETS

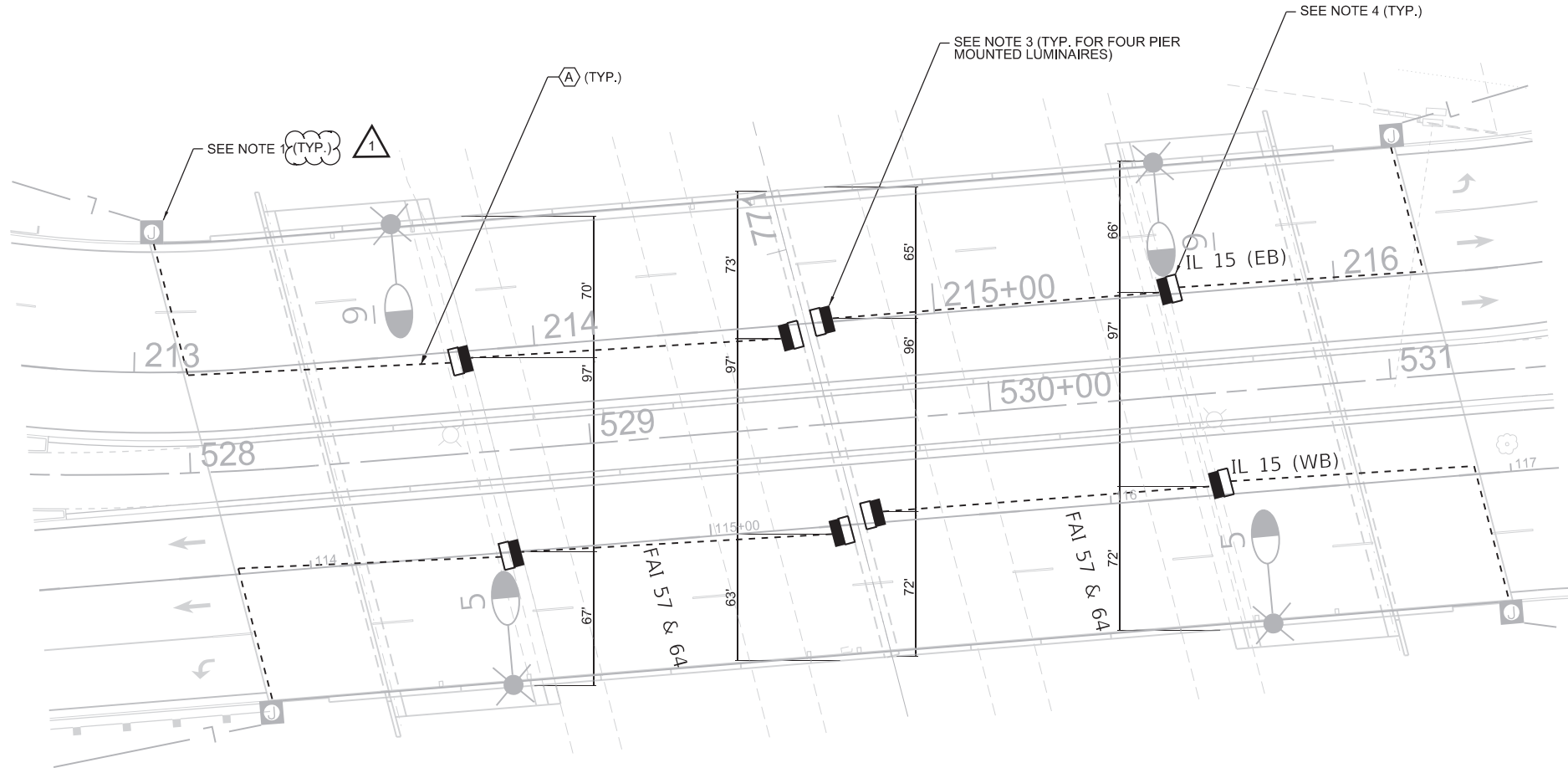
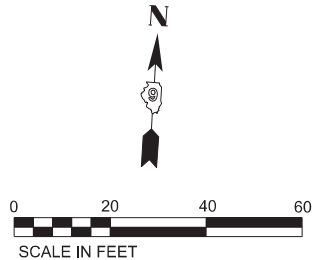
- LT-01 LIGHTING LEGEND, GENERAL NOTES, & LIGHTING INDEX OF SHEETS
- LT-02 LIGHTING STAGING NOTES
- LT-03 TO LT-10 LIGHTING REMOVAL PLANS
- LT-11 TO LT-17 PROPOSED LIGHTING PLANS
- LT-18 UNDERPASS LIGHTING PLAN
- LT-19 UNDERPASS LIGHTING CONDUIT ROUTING DETAILS
- LT-20 LUMINAIRES PERFORMANCE TABLES
- LT-21 WIRING DIAGRAMS

LT-01

FILE NAME = D978483-sh-t-lightLegend-01.dgn	USER NAME = bbarr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING LEGEND, GENERAL NOTES, & LIGHTING INDEX OF SHEETS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					57	13,13-2(N-1,TS-1)H41-3HB2	JEFFERSON	787	532
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 78483				
	PLOT DATE = 9/30/2024	DATE -	REVISED -		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

- LIGHTING LEGEND
- PROPOSED JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE
- JB112" X 10" X 6" (SEE NOTE 2)
- JB26" X 6" X 4" (SEE NOTE 2)

- CABLE TAGS
- ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1C NO.10, 1/C NO.10
- GROUND, IN CONDUIT ATTACHED TO STRUCTURE, 1" DIA., SS



- NOTES:
1.

PROVIDE IN-LINE FUSE IN ACCORDANCE WITH ARTICLE 1065.01 OF THE STANDARD SPECIFICATIONS.
2.

NOT SHOWN FOR CLARITY. REFER TO HIGHWAY STANDARD DRAWINGS 821001 AND 821006 FOR DETAILS.
3.

REFER TO HIGHWAY STANDARD DRAWING 821001 FOR DETAILS. PROPOSED WALL MOUNTED UNDERPASS LUMINAIRE MOUNTING HEIGHT OF 15'-0" MINIMUM TO GRADE.
4.

REFER TO HIGHWAY STANDARD DRAWING 821006 FOR DETAILS. PROPOSED SUSPENDED MOUNTED UNDERPASS LUMINAIRES SHALL BE OFFSET SIX (6) FEET FROM EDGE OF PAVEMENT.
5.

SEE SHEET LT-19 FOR ELEVATION DETAILS.

SCHEDULE OF QUANTITIES FOR UNDERPASS JUNCTION BOXES

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	12
81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	4

REVISED 12-31-2024