STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

DIST 8 LTS 2025-1 ILLINOIS CONTRACT NO. 76T62

INDEX OF SHEETS

0

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COVER SHEET

HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS

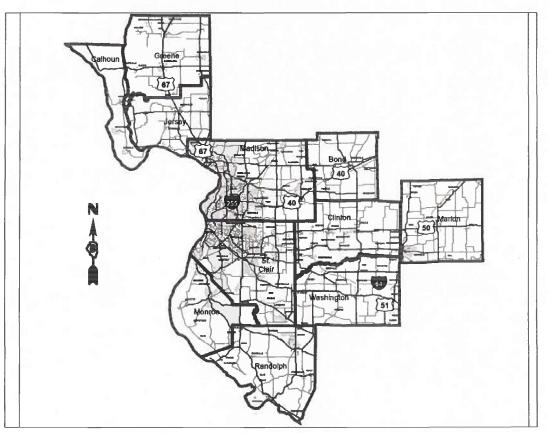
SUMMARY OF QUANTITIES

LUMINAIRE PERFORMANCE TABLE
CONCRETE FOUNDATION TYPE A PED PUSH-BUTTON POST

PROPOSED HIGHWAY PLANS

VARIOUS ROUTES SECTION: DIST 8 LTS 2025-1 HIGHWAY LIGHTING, TRAFFIC SIGNAL REPAIR & MAINTENANCE VARIOUS COUNTIES

C-98-096-24



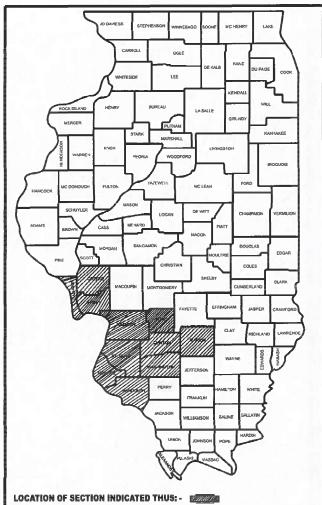
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS. THE ABOVE SCALES MAY BE USED. JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

PROJECT ENGINEER: CHERYL KEPLAR PROJECT MANAGER: RICHARD BARBEE

CONTRACT NO. 76T62

OR 811

D-98-034-24





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

HIGHWAY STANDARDS

701001-02	701400-12	701456-05	821101-02
701006-05	701401-13	701601-09	873001-02
701101-05	701406-13	701606-10	880001-01
701106-02	701421-08	701701-10	880006-01
701201-05	701422-10	701901-09	
701206-05	701446-11	886001-01	
701301-04	701451-05	886006-01	
000001-08	001006		

GENERAL NOTES

- 1. THE LOCATION OF THE REPAIR AREAS SHALL BE DETERMINED BY THE ENGINEER / DEPARTMENT.
- 2. NO MATERIAL SHALL BE LEFT ON OR NEAR THE ROADWAY DURING NON-WORKING HOURS.
- 3. ANY NECESSARY TRAFFIC CONTROL WILL BE PROVIDED BY THE CONTRACTOR, APPROPRIATE STANDARDS ARE LISTED.
- 4. A FLAGGER SHALL BE REQUIRED AT ALL TIMES WHEN WORKERS OR EQUIPMENT ARE ENCROACHING ON THE LANE OF TRAFFIC.
- 5. 45 AND 55 MPH SIGNS ARE INCLUDED IN ALL INTERSTATE LANE CLOSURE TRAFFIC CONTROL AND PROTECTION. IF THE LANE CLOSURE DURATION IS LESS THAN 4 HOURS, THE 45 AND 55 MPH SIGNS ARE NOT REQUIRED.
- 6. ANY WORK ORDER MAY BE CANCELED AT THE ENGINEER'S / DEPARTMENT'S DISCRETION.
- 7. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.

COMMITMENTS NONE

USER NAME = daniel.hopkins	DESIGNED -	REVISED -			HIGHWAY	STAND	ARNS G	ENERAL NO	TES	F.A.	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS		HIGHWAI		OMMITM		110,	VAR.	DIST 8 LTS 2025-1	VARIOUS	8	2
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			AND C	OMMIIM	ENIS				CONTRAC	T NO. 76	T62
PLOT DATE = 2/21/2024	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		LILLINOIS LEED	VID PRO IECT		

FILE NAME: c:\pw work\pwidot\daniel.hopkins@illinois.gov\d0937129\

				CONSTR. CODE
				100% STATE
				TRAFFIC SIGNALS
CODE			TOTAL	0021
NO.	ITEM	UNIT	QUANTITY	URBAN
80300100	LOCATING UNDERGROUND CABLE	FOOT	1000	1000
00000100	ESSAMING SIDERGROUND GABLE	1001	1000	1000
82110005	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E	EACH	5	5
82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	20	20
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	40	40
82110032	LUMINAIRE, LED, SIGN LIGHTING, OUTPUT DESIGNATION E	EACH	5	5
87000240	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC) 2/C NO. 2 AND NO. 4	FOOT	500	500
		8		
87000405	ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 2 AND NO. 4	FOOT	1000	1000
87000775	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC) 2/C NO. 4 AND NO. 6	FOOT	500	500
87000885	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC) 2/C NO. 6 AND NO. 8	FOOT	500	500
87005275	ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 4 AND NO. 6	FOOT	1000	1000
87005385	ELECTRIC CABLE ASSEMBLY IN TRENCH, 600V (XLP-TYPE TC) 2/C NO. 6 AND NO. 8	FOOT	1000	1000
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	60	60
00 102020	WITH COUNT DOWN TIMER	LAOIT	30	
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	30	30
88800100	PEDESTRIAN PUSH-BUTTON	EACH	100	100

				CONSTR. CODE
				100% STATE
				TRAFFIC SIGNALS
CODE			TOTAL	0021
NO .	ITEM	UNIT	QUANTITY	URBAN
KP000001	JOURNEYMAN ELECTRICIAN	HOUR	1000	1000
XP000002	APPRENTICE ELECTRICIAN	HOUR	100	100
XP000009	PICK-UP TRUCK	HOUR	700	700
XP000012	ARROWBOARD (TRAILER MOUNTED)	HOUR	20	20
XP000013	ATTENUATOR, CRASH (TRUCK MOUNTED)	HOUR	500	500
	TRUCK ODANIE	LIGHT	500	500
XP000014	TRUCK CRANE	HOUR	500	500
X1400096	LED LAMP MODULE REPLACEMENT	EACH	300	300
X7010218	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	EACH	29	29
	The state continued that the least of the le	27.011	23	23
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	100	100
X8760201	PEDESTRIAN PUSH-BUTTON POST	EACH	50	50
				1
X8860400	DETECTOR LOOP (SPECIAL)	FOOT	5000	5000
XP000015	DIGGER DERRICK	HOUR	100	100
XP000028	LABOR	HOUR	100	100
XP000029	BUCKET TRUCK/VAN FOR TRAFFIC SIGNALS	HOUR	700	700

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 PLOT DATE = 2/21/2024	DATE =	REVISED =
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED _
	DRAWN -	REVISED -
USER NAME = daniel.hopkins	DESIGNED -	REVISED -

SCALE:

SHEET

SUMMAR	SUMMARY OF QUANTITIES				SECTI	COUNTY	TOTAL SHEETS	SH		
9	0Q 1 0F	4		VAR.	DIST 8 LTS 202	25-1		VARIOUS	8	3
								CONTRACT	NO. 76	Г62
OF	SHEETS	STA.	TO STA.		ji	ILLINOIS	FED. All	PROJECT		

				CONSTR. CODE
				100% STATE
				TRAFFIC SIGNALS
CODE			TOTAL	0021
NO.	ITEM	UNIT	QUANTITY	URBAN
XP000030	BUCKET TRUCK FOR HIGHWAY LIGHTING	HOUR	700	700
XP000031	POLE TRAILER	HOUR	100	100
XP000032	FLATBED TRAILER	HOUR	100	100
XP000101	ATQ 5A FUSE 200	EACH	200	200
XP000102	FNQ 5A FUSE	EACH	200	200
XP000104	FNM 10A FUSE	EACH	5	5
XP000105	FRNR 60A FUSE	EACH	5	5
XP000106	BUCHANAN FUSEHOLDER KIT	EACH	50	50
XP000115	150WHPS LAMP	EACH	5	5
XP000116	OF OWN LIPE LAMP	EACH	100	100
XP000116	250WHPS LAMP	EACH	100	100
XP000118	400WHPS LAMP	EACH	350	350
XP000119	150W240/480V BALLAST KIT	EACH	5	5
XP000120	250W240/480V BALLAST KIT	EACH	100	100
XP000122	400W240/480V BALLAST KIT	EACH	150	150

I TEM D BU STARTER E ARRESTOR (EDCO MODEL SHA-XXX3) X=20/240/480 VOLTS D CONTROL, 105V-285V (ALR-MODEL SSTPV-ON) PE 1/C COPPER WRE P-TYPE USE 1/C COPPER WRE GHTING CONTACTOR	EACH EACH FEET FEET	TOTAL QUANTITY 5 20 20 500 10000	100% STATE TRAFFIC SIGNALS 0021 URBAN 5 20 20 500 500
E ARRESTOR (EDCO MODEL SHA-XXX3) X=20/240/480 VOLTS D CONTROL, 105V-285V (ALR-MODEL SSTPV-ON) PE 1/C COPPER WRE P-TYPE USE 1/C COPPER WRE	EACH EACH FEET FEET FEET	QUANTITY 5 20 20 500 500	0021 URBAN 5 20 20 500 500
E ARRESTOR (EDCO MODEL SHA-XXX3) X=20/240/480 VOLTS D CONTROL, 105V-285V (ALR-MODEL SSTPV-ON) PE 1/C COPPER WRE P-TYPE USE 1/C COPPER WRE	EACH EACH FEET FEET FEET	QUANTITY 5 20 20 500 500	URBAN 5 20 20 500 500
E ARRESTOR (EDCO MODEL SHA-XXX3) X=20/240/480 VOLTS D CONTROL, 105V-285V (ALR-MODEL SSTPV-ON) PE 1/C COPPER WRE P-TYPE USE 1/C COPPER WRE	EACH EACH FEET FEET FEET	5 20 20 500	5 20 20 500 500
E ARRESTOR (EDCO MODEL SHA-XXX3) X=20/240/480 VOLTS D CONTROL, 105V-285V (ALR-MODEL SSTPV-ON) PE 1/C COPPER WRE P-TYPE USE 1/C COPPER WRE	EACH EACH FEET FEET FEET	20 20 500	20 20 500 500
E ARRESTOR (EDCO MODEL SHA-XXX3) X=20/240/480 VOLTS D CONTROL, 105V-285V (ALR-MODEL SSTPV-ON) PE 1/C COPPER WRE P-TYPE USE 1/C COPPER WRE	EACH EACH FEET FEET FEET	20 20 500	20 20 500 500
D CONTROL, 105V-285V (ALR-MODEL SSTPV-ON) PE 1/C COPPER WRE P-TYPE USE 1/C COPPER WRE P-TYPE USE 1/C COPPER WRE	FEET FEET FEET	20 500 500	500 500
P-TYPE USE 1/C COPPER WRE P-TYPE USE 1/C COPPER WRE	FEET FEET	500	500
P-TYPE USE 1/C COPPER WRE P-TYPE USE 1/C COPPER WRE	FEET FEET	500	500
P-TYPE USE 1/C COPPER WRE P-TYPE USE 1/C COPPER WRE	FEET	500	500
P-TYPE USE 1/C COPPER WIRE	FEET		
P-TYPE USE 1/C COPPER WIRE	FEET		
		10000	10000
		10000	10000
GHTING CONTACTOR	54011		
	EACH	5	5
		_	_
IGHTING CONTACTOR	EACH	5	5
RCUIT BREAKER, 1P	EACH	5	5
RCUIT BREAKER, 2P	EACH	5	5
CIRCUIT BREAKER, 2P	EACH	5	5
CIRCUIT BREAKER, 2P	EACH	5	5
KAWAY COUPLING, 1"	EACH	5	5
		607	
1/4" STAINLESS STEEL MESH	SQFT	10	10
	CIRCUIT BREAKER, 2P CIRCUIT BREAKER, 2P CAVVAY COUPLING, 1"	CIRCUIT BREAKER, 2P EACH CIRCUIT BREAKER, 2P EACH KAVVAY COUPLING, 1" EACH	CIRCUIT BREAKER, 2P EACH 5 CIRCUIT BREAKER, 2P EACH 5 KAVVAY COUPLING, 1" EACH 5

MODEL: SOQ 2 [Sheet]

USER NAME = daniel.hopkins	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/21/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

	S	UMMARY	OF QUA	NTITIE	s	F.A. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
SOQ 2 OF 4			VAR.	DIST 8 LTS 2025-1		VARIOUS 8 4					
			W 2 01 -	•					CONTRACT	NO. 76	T62
	SHEET	OF	SHEETS	STA.	TO STA.		ILLING	S FED. A	ID PROJECT		

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				CONSTR. CODE
				100% STATE
			eptimensent in 4	TRAFFIC SIGNALS
CODE			TOTAL	0021
NO.	ITEM	UNIT	QUANTITY	URBAN
XP000141	ALUMINUM SIGNAL BASE, SQUARE (PELCO)	EACH	100	100
XP000142	ALUMINUM SIGNAL POST, 13', SCH 80 (PELCO)	EACH	5	5
XP000145	MAST ARM BRACKET, 3 SECTION (PELCO AB 11 6)	EACH	5	5
XP000146	MAST ARM BRACKET, 4 SECTION (PELCO AB 11 6)	EACH	5	5
			Viscoset I	504
XP000147	MAST ARM BRACKET, 5 SECTION (PELCO AB 11 6)	EACH	5	5
a secondary of second		04 156 00000000 00	467	
XP000161	LAMP, QUARTZ HALOGEN, 43W@, 10.8V (GE OR EQUIVALENT)	EACH	50	50
	, , , , , , , , , , , , , , , , , , , ,			
XP000164	SIGNAL HEAD, POLYCARBONATE, LED, 1-SECTION, 12", R OR Y (ECONOLITE OR	EACH	5	5
7.8. 000 10 1	MCCAIN)			
XP000165	SIGNAL HEAD, POLYCARBONATE, LED, 3-SECTION, 12", (ECONOLITE OR MCCAIN)	EACH	120	120
			120	120
XP000166	SIGNAL HEAD, POLYCARBONATE, LED, 4-SECTION, 12", (ECONOLITE OR MCCAIN)	EACH	50	50
XP000167	SIGNAL HEAD, POLYCARBONATE, LED, 5-SECTION, 12", (ECONOLITE OR MCCAIN)	EACH	50	50
XP000168	PEDESTRIAN HEAD, POLYCARBONATE, LED, 2-SECTION, 12", (ECONOLITE OR	EACH	40	40
	MCCAIN)			
XP000170	ELECTRIC CABLE, 2/C, #14, TW, SH	FEET	3000	3000
ir an enemona 200000				
XP000171	ELECTRIC CABLE, 3 PR, #18, TW, SH	FEET	10	10
XP000172	ELECTRIC CABLE, 5 PR, #18, TW, SH	FEET	10	10
			I	

TTEM CTRIC CABLE, 6 PR, #18, TW, SH CTRIC CABLE, 2/C, #14 CTRIC CABLE, 3/C, #14 CTRIC CABLE, 5/C, #14	UNIT FEET FEET FEET FEET	TOTAL QUANTITY 10 3000 3000	100% STATE TRAFFIC SIGNALS 0021 URBAN 10 3000 3000
CTRIC CABLE, 6 PR, #18, TW, SH CTRIC CABLE, 2/C, #14 CTRIC CABLE, 3/C, #14 CTRIC CABLE, 5/C, #14	FEET FEET FEET	10 3000 3000	0021 URBAN 10 3000
ETRIC CABLE, 2/C, #14 ETRIC CABLE, 3/C, #14 ETRIC CABLE, 5/C, #14	FEET FEET	3000	3000
ETRIC CABLE, 2/C, #14 ETRIC CABLE, 3/C, #14 ETRIC CABLE, 5/C, #14	FEET FEET	3000	3000
CTRIC CABLE, 3/C, #14 CTRIC CABLE, 5/C, #14	FEET	3000	3000
CTRIC CABLE, 5/C, #14	FEET	000 1000	
		3000	3000
		3000	3000
CTRIC CABLE, 7/C, #14	FEET		
	-	3000	3000
UND ROD, 8', COPPER CLAD	EACH	5	5
OF IVIT /2 M COOTOURAGE #70 N/4	FACIL	10	10
SE NT (S-WISCOTCHCAST#12-NT)	EACH	10	10
P SEALANT (BONDO P606)	GALLON	30	30
X, NEMA, 4X, SS, 6"X8"X4", W/ ALUMINUM BACKPLATE & LOCK KIT	EACH	5	5
DHOLE, FRAME & COVER (NEENAH R-6660- JP)	EACH	5	5
DHOLE, COVER ONLY (NEENAH R-6660-JP)	EACH	20	20
, ILLUMINATED, FIBEROPTIC-TYPE, 24"X30" "NO LEFT/RIGHT TURN" OR "LT TURN "	EACH	5	5
, ILLUMINATED, FIBEROPTIC-TYPE, 24"X30" SYMBOLIC "NO LEFT/RIGHT TURN"	EACH	5	5
TOR, NEMA CONFLICT, 12 CHANNEL (EDI SSM-12E)	EACH	5	5
×	(, NEMA, 4X, SS, 6"X8"X4", W ALUMINUM BACKPLATE & LOCK KIT OHOLE, FRAME & COVER (NEENAH R-6660- JP) OHOLE, COVER ONLY (NEENAH R-6660-JP) ILLUMINATED, FIBEROPTIC-TYPE, 24"X30" "NO LEFT/RIGHT TURN" OR "LT TURN" ILLUMINATED, FIBEROPTIC-TYPE, 24"X30" SYMBOLIC "NO LEFT/RIGHT TURN"	P SEALANT (BONDO P606) GALLON (A, NEMA, 4X, SS, 6"X8"X4", W ALUMINUM BACKPLATE & LOCK KIT EACH (B)HOLE, FRAME & COVER (NEENAH R-6660-JP) EACH (B)HOLE, COVER ONLY (NEENAH R-6660-JP) EACH (ILLUMINATED, FIBEROPTIC-TYPE, 24"X30" "NO LEFT/RIGHT TURN" OR "LT TURN EACH (ILLUMINATED, FIBEROPTIC-TYPE, 24"X30" SYMBOLIC "NO LEFT/RIGHT TURN" EACH	P SEALANT (BONDO P606) GALLON 30 (S, NEMA, 4X, SS, 6"X8"X4", W ALUMINUM BACKPLATE & LOCK KIT EACH 5 OHOLE, FRAME & COVER (NEENAH R-6660-JP) EACH 5 OHOLE, COVER ONLY (NEENAH R-6660-JP) EACH 20 ILLUMINATED, FIBEROPTIC-TYPE, 24"X30" "NO LEFT/RIGHT TURN" OR "LT TURN EACH 5 ILLUMINATED, FIBEROPTIC-TYPE, 24"X30" SYMBOLIC "NO LEFT/RIGHT TURN" EACH 5

MODEL: SOQ 3 [Sheet]

USER NAME = daniel.hopkins	DESIGNED -	REVISED -
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STATE OF ILLINOIS
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SCALE:

SHEET

SUMMAR	RY OF QUA	NTITIES		F.A. RTE.	SEC ⁻	TION		COUNTY	TOTAL SHEETS	SHE
	SOQ 3 OF	4		VAR.	DIST 8 LTS 20	025-1		VARIOUS	8	5
	JOR 3 01 .	•						CONTRACT	NO. 76	Г62
OF	SHEETS	STA.	TO STA.			ILLINOIS	FED AII	D PROJECT		

				CONSTR. CODE
				100% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS 0021 URBAN
XP000194	RELAY, FLASH TRANSFER, (MIDTEX 136-62T3A1)	EACH	5	5
XP000195	DETECTOR, NEMA DIGITAL, 1-CH, SHELF MOUNT (DETECTOR SYSTEMS OR RENO)	EACH	5	5
XP000196	DETECTOR, NEMA DIGITAL, 2-CH, RACK MOUNT (DETECTOR SYSTEMS OR RENO)	EACH	20	20
XP000197	DETECTOR, POWER SUPPLY, RACK MOUNT (DETECTOR SYSTEMS OR RENO)	EACH	5	5
XP000198	CABINET, SIGNAL CONTROLLER, ALUM., TYPE IV, W/MONITOR & ALL PLUG-INS, COMPLETE (ECONOLITE)	EACH	5	5
XP000199	FLASHER, NEMA	EACH	20	20
XP000200	LOAD SWITCH, NEMA	EACH	40	40
XP000203	COLD GALVANIZING, SPRAY CAN	EACH	5	5
XP000205	ALUMINUM LIGHT POLE MAST ARM, 15', TRUSS STYLE	EACH	40	40
	ALUMINUM LIGHT POLE, 45', COMPLETE, RD, W/TENON TOP, W/T BASE, 17" B.C., DK.			_
XP000207	BRONZE POWDER COAT	EACH	5	5
XP000209	UPPER AND LOWER ARM ASSEMBLY, UNPAINTED ALUMINUM	EACH	120	120
XP000210	FLASHER CONTROLLER CABINET ASSEMBLY, NEMA (PELCO SE-1005 OR EQUIVALENT)	EACH	5	5
XP000300	TRAFFIC SIGNAL RELAMPING	EACH	5	5
XP000301	TRAFFIC SIGNAL LAMP REPLACEMENT	EACH	5	5

				CONSTR. CODE
				100% STATE
				TRAFFIC SIGNALS
CODE			TOTAL	0021
NO.	ITEM	UNIT	QUANTITY	URBAN
XP000302	FLASHING BEACON INSPECTION	EACH	5	5
XP000303	TOWER LIGHTING INSPECTION	EACH	5	5
XP000304	REPLACE SERVICE INSTALLATION, COMPLETE	EACH	5	5
XP000307	REPAIR TRAFFIC SIGNAL KNOCKDOWN	EACH	120	120
	10000			
XP000308	REPAIR FLASHING BEACON KNOCKDOWN	EACH	40	40
XP000309	REPAIR HIGHWAY LIGHT POLE KNOCKDOWN	EACH	100	100
XP000310	REPLACE HIGHWAY LIGHT POLE BREAKAWAY DEVICE, COUPLINGS	EACH	5	5
XP000311	REPLACE HIGHWAY LIGHT POLE BREAKAWAY DEVICE, TRANSFORMER BASE	EACH	40	40
XP000312	REPLACE TRAFFIC SIGNAL POST BASE ASSEMBLY	EACH	40	40

4E: c:\pw_work\pwidot\daniel.hopkins@illinois.gov\d0937129\D876T62-Plan-

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	SUMMAR	Y OF QUA	NTITIES	1	F.A. RTE.	SECTIO	ON		COUNTY	TOTAL SHEETS	SHEET NO.
	9	0Q 4 OF 4	1		VAR.	DIST 8 LTS 2025	5-1		VARIOUS	8	6
		OQ 7 01 -	•						CONTRACT	NO. 76	T62
SHEET	OF	SHEETS	STA.	TO STA.		ĮL	LLINOIS	FED. AII	D PROJECT		

	nois Departn Transportat	nent ion	Luminaire	Performance	Table	
Project						
Date	Contract Number	er Section i	Number	County		
01/19/21	N/A	N/A		Various		
Marked Route	Number		Municipality	/		
Various			Various			
Roadway Lane Width	# of Lanes Me	dian Width I.E.S. S	Surface Classifi	cation Q-Zero Val	110	
12	2 N/A		Julidoo Oldooni	0.07		
16 ft Luminaire			of Luminaires at & Sign Lightin			
Description	eroso Anadoson e em	99		ral Distribution	200	Vertical Distribution
Replaceme	nt For 150W Un	derpass	Type III o	or IV	Med	lium
100	ss Factor (LLF)	B-U-G Rating		Shields		Dimming Protocol
0.7		U = 0		N/A		0-10V
Performance Average Illumi N/A	inance, E _{AVE} (fc)	Uniformity R	tatio, Eave/Emn			
503000	nance, Lave (cd/m²)	Uniformity Ratio, L	we/I ww	Uniformity Ratio,	MAY/I MIN	Veiling Luminance Ratio, Lv/Lave
0.6 to 0.9	, , , , , , , , , , , , , , , , , , , ,	less than or equ		less than or ed		less than or equal to 0.3:1
Light Tressp Distance to RO N/A	OW (behind pole)	Max. Horizontal Illum	inance at ROV	/, En Max		ance at ROW, Ev
to the 2. Lighti 3. Total Facto 4. Perfo	luminaire. ing calculations sha Light Loss Factor (ors" (EF) = 0.95.	all be performed with LLF) = the product of the shall be the minim	all luminaires of f "Lumen Maint	riented toward and enance" (LLD) = 0	perpendicular to 9, "Dirt Deprecia	d horizontal distance from the sign of the roadway. ation" (LDD) = 0.8, and "Equipmer ance for the luminaire, based on
	,	y be tilted as nee				
		med in one direc				
		ice criteria shall b				
		table defines the	luminaire o	nly. It does not	necessarily re	epresent the mounting
height, arm	length, or setba	ck for which the	lighting unit	is to be installed		hting plans for installation.

Date	Contract	Number		Section Nu	mber	Co	unty		
01/19/21	N/A			N/A			rious		
Marked Route	Number				Municipalit	У	2019/01/02		
Various					Various				
Roadway									
Lane Width	# of Lanes	Medi N/A	an Width	R3	rface Classit	ication Q-Z			
Structure									
Mounting Heig	ht Arm Ler	ngth Se	et-Back	Number of I (Highmast &		ng Only)			
45 ft	15 ft	15	5 ft	N/A					
Luminaire									
Description					I.E.S. Late	ral Distributi	on	I.E.S	. Vertical Distribution
Replacemen	nt For 250)W Hori	izontal N	Mount	Type III			Med	lium
Total Light Los	ss Factor (LI		B-U-G R	ating		Shields			Dimming Protocol
0.7			U = 0			N/A			0-10V
Spacing (to Ne 160 ft		Contigu 1 Side		pposite, Star	ggered, 1 Si	ded, or Medi	an)		
Performance Average Illumi	•	1 Side	Ur	niformity Rat	io, Eave/Emin		an)		
Spacing (to Ne 160 ft Performance Average Illumin 0.9 to 1.4	nance, E _{AVE}	1 Side	Ur	niformity Rat	io, Ewe/Emn equal to 3	3.0:1			Veiling Luminance
Spacing (to Ne 160 ft Performance Average Illumin 0.9 to 1.4 Average Lumin	nance, E _{AVE}	1 Side	Ur le Uniformit	niformity Rat ss than or by Ratio, Lave	io, Eave/Emn equal to 3	3.0:1 Uniformity	Ratio, Lww/Lmn	0:1	Veiling Luminance
Spacing (to Ne 160 ft Performance Average Illumi 0.9 to 1.4 Average Lumin 0.6 to 0.9	nance, EAVE	1 Side	Ur le Uniformit	niformity Rat	io, Eave/Emn equal to 3	3.0:1 Uniformity		.0:1	Veiling Luminance less than or equ
Spacing (to Ne 160 ft Performance Average Illumi 0.9 to 1.4 Average Lumir 0.6 to 0.9 Light Tressp	nance, EAVE	1 Side	Uriformit Less tha	niformity Rat ss than or y Ratio, Lave an or equa	equal to 3	3.0:1 Uniformity less than	Ratio, Lww/Lwn or equal to 6		less than or eq
Spacing (to Ne 160 ft Performance Average Illumi 0.9 to 1.4 Average Lumin 0.6 to 0.9 Light Tressp Distance to RC	nance, EAVE	1 Side (fc) cd/m²)	Ur le Uniformit less tha	niformity Rat ss than or y Ratio, Lave an or equa	equal to 3	3.0:1 Uniformity less than	Ratio, Lww/Lww or equal to 6		1 550
Spacing (to Ne 160 ft Performance Average Illumi 0.9 to 1.4 Average Lumir 0.6 to 0.9 Light Tressp	nance, EAVE	1 Side (fc) cd/m²)	Uriformit Less tha	niformity Rat ss than or y Ratio, Lave an or equa	equal to 3	3.0:1 Uniformity less than	Ratio, Lww/Lwn or equal to 6		less than or eq
Spacing (to Ne 160 ft Performance Average Illumi 0.9 to 1.4 Average Lumi 0.6 to 0.9 Light Tressp Distance to RC N/A Notas 1. Set-B Lightin facto 2. Lightin Facto 4. Performance 4.	nance, EAVE (nance, LAVE (nance,	1 Side (fc) (fc) pole) Market Mark	Uniformit less that ax. Horiza /A Pavemen be perfor LF) = the	niformity Ratios than or by Ratio, Lave an or equal ontal Illuminatic (white line) armed with all product of "I	io, EAVE/EMIN equal to 3 Class l to 3.5:1 ance at ROV except for s luminaires of	B.0:1 Uniformity less than V, Es sign luminairuriented towatenance" (LL	Ratio, Lww/Lmm or equal to 6 Max. Vertical N/A swhen it is vertered and perpendind D) = 0.9, "Dirt D	Illumin ical an cular to eprecia	less than or equance at ROW, Ev
Spacing (to Ne 160 ft 1	enance, Eave (lass DW (behind ack is from luminaire ng calculatic Light Loss F ss" (EF) = 0 rmance request	1 Side (fc) pole) M: R. Edge of Fons shall actor (LL 95. uirements isted	Uniformit less that ax. Horiza /A Pavemen be perfor LF) = the s shall be above.	niformity Rat ss than or y Ratio, Lave an or equa ontal Illumin: tt (white line) med with all product of "I	io, Ever/Emn equal to 3 /Lan I to 3.5:1 ance at ROV	B.0:1 Uniformity less than V, Es sign luminairuriented towatenance" (LL	Ratio, Lww/Lmm or equal to 6 Max. Vertical N/A swhen it is vertered and perpendind D) = 0.9, "Dirt D	Illumin ical an cular to eprecia	ance at ROW, Ev d horizontal distance of the roadway.
Spacing (to Ne 160 ft Performance Average Illumi 0.9 to 1.4 Average Lumi 0.6 to 0.9 Light Tressp Distance to RC N/A Notas 1. Set-B Lightin facto 2. Lightin Facto 4. Performance 4.	enance, Eave (lass DW (behind ack is from luminaire ng calculatic Light Loss F ss" (EF) = 0 rmance request	1 Side (fc) pole) M: R. Edge of Fons shall actor (LL 95. uirements isted	Uniformit less that ax. Horiza /A Pavemen be perfor LF) = the s shall be above.	niformity Rat ss than or y Ratio, Lave an or equa ontal Illumin: tt (white line) med with all product of "I	io, Ever/Emn equal to 3 /Lan I to 3.5:1 ance at ROV	B.0:1 Uniformity less than V, Es sign luminairuriented towatenance" (LL	Ratio, Lww/Lmm or equal to 6 Max. Vertical N/A swhen it is vertered and perpendind D) = 0.9, "Dirt D	Illumin ical an cular to eprecia	ance at ROW, Ev d horizontal distance of the roadway.

Illinois Department of Transportation Luminaire Performance Table Contract Number Section Number 01/19/21 N/A N/A Marked Route Number Various Roadway Lane Width # of Lanes Median Width I.E.S. Surface Classification Q-Zero Value 12 3 N/A R3 Structure Number of Luminaires

Mounting Height Arm Length Set-Back (Highmast & Sign Lighting Only) 45 ft 1 ft 30 ft N/A Luminaire I.E.S. Vertical Distribution Replacement For 250W Multi Mount Type III Total Light Loss Factor (LLF) B-U-G Rating Shields Dimming Protocol Spacing (to Nearest 5 ft) Configuration (Opposite, Staggered, 1 Sided, or Median) 145 ft 1 Sided Performance Average Illuminance, Ewe (fc)
Uniformity Ratio, Ewe/Ewn

0.9 to 1.4

[less than or equal to 3.0:1] Average Luminance, Lws (cdim') Uniformity Ratio, Lws/Lws Uniformity Ratio, Lws/Lws Veiling Luminance Ratio, Lv/Lws [less than or equal to 3.5:1] [less than or equal to 6.0:1] [less than or equal to 0.3:1] Light Tresspass Distance to ROW (behind pole) Max. Horizontal Illuminance at ROW, Ex.

Max. Vertical Illuminance at ROW, Ev.

N/A

N/A

N/A Notas

1. Sel-Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire

1. In the luminaire of the luminaire or extended from the sign to the readway. Uptiling calculations shall be performed with all furninaires oriented toward and perpendicular to the roadway.
 Total Light Loss Factor (LET) = the product of "Lumen Maintenance" (LLD) = 0.9, "birt Depreciation" (LDD) = 0.8, and "Equipment Factors" (ET) = 0.95. Netformance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above. Replacement luminaire shall be mounted horizontally. Calculations shall be performed in one direction only. Compliance with performance criteria shall be held to one significant digit. The luminaire performance table defines the luminaire only. It does not necessarily represent the mounting height, arm length, or setback for which the lighting unit is to be installed. Refer to lighting plans for installation.

Illinois Department of Transportation Luminaire Performance Table
 Date
 Contract Number
 Section in Various Marked Route Number Municipality Various Roadway Lane Width # of Lanes Median Width I.E.S. Surface Classification Q-Zero Value 12 4 N/A R3 0.07 Structure Number of Luminaires

Mounting Height Arm Length Set-Back (Highmast & Sign Lighting Only) 45 ft | 15 ft | N/A Luminaire Description Replacement For 400W Horizontal Mount Type III Medium Dimming Protocol Spacing (to Nearest 5 ft) Configuration (Opposite, Staggered, 1 Sided, or Median)

240 ft 1 Sided Average luminance, Exec (fc)

Uniformity Ratio, Exec/Exec

Uniformity Ratio, Leav/Leav

Uniformity Ratio, Leav/Leav

Uniformity Ratio, Leav/Leav

Veiling Luminance Ratio, Lev/Leav

Uniformity Ratio, Leav/Leav

Uniformity Ratio, Leav/Leav

Veiling Luminance Ratio, Lev/Leav

less than or equal to 0.3:1 Light Tresspass Distance to ROW (behind pole) Max. Horizontal Illuminance at ROW, EH Max. Vertical Illuminance at ROW, EV 1. Set-Back is from Edge of Paverment (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire.
2. Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to the roadway.
3. Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EFF) = 0.95. Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above. Calculations shall be performed in one direction only. Compliance with performance criteria shall be held to one significant digit. The luminaire performance table defines the luminaire only. It does not necessarily represent the mounting height, arm length, or setback for which the lighting unit is to be installed. Refer to lighting plans for installation.

Printed 03/17/23

Illinois Department of Transportation Luminaire Performance Table Project
 Date
 Contract Number
 Section Number

 01/19/21
 N/A
 N/A
 Various Marked Route Number Municipality Roadway Lane Width # of Lanes Median Width I.E.S. Surface Classification Q-Zero Value 12 4 N/A R3
 Structure
 Number of Luminaires

 Mounting Height Arm Length
 Set-Back (Highmast & Sign Lighting Only)

 45 ft
 1 ft
 30 ft
 N/A
 Luminaire Replacement For 400W Multi-Mount Type III Medium Dimming Protocol Spacing (to Nearest 5 ft) Configuration (Opposite, Staggered, 1 Sided, or Median) 155 ft 1 Sided Performance Average Illuminance, EAVE (fc) Uniformity Ratio, EAVE/EMN Light Tresspass Distance to ROW (behind pole) Max. Horizontal Illuminance at ROW, Ex. Max. Vertical Illuminance at ROW, Ev. Set-Back is from Edge of Paverment (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire.
 Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to the roadway.
 Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.05. Forton (EF) = 0.09.

A. Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above. Replacement luminaire shall be mounted horizontally. Calculations shall be performed in one direction only. Compliance with performance criteria shall be held to one significant digit. The luminaire performance table defines the luminaire only. It does not necessarily represent the mounting height, arm length, or setback for which the lighting unit is to be installed. Refer to lighting plans for installation.

BDE 5630 (04/10/19)

MODEL: lighting [Sheet] FILE NAME: c:\pw_work\pwidot\daniel.hopkins@illinois.

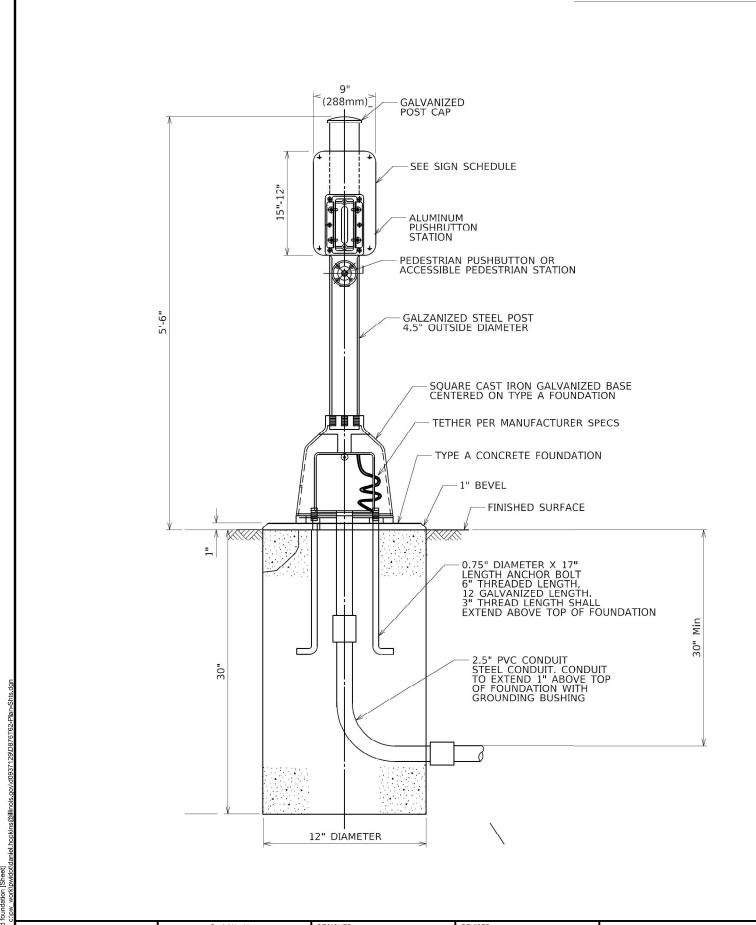
 USER NAME
 = daniel.hopkins
 DESIGNED
 REVISED

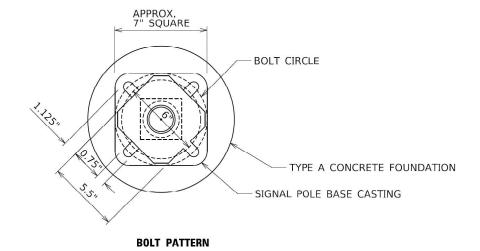
 DRAWN
 REVISED

 PLOT SCALE
 = SSCALES
 CHECKED
 REVISED

 PLOT DATE
 = 3/7/2024
 DATE
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION





PEDESTRIAN PUSH-BUTTON POST

 USER NAME
 = Daniel.Hopkins
 DESIGNED
 REVISED

 DRAWN
 REVISED

 PLOT SCALE
 = 0.16666833 '/in.
 CHECKED
 REVISED

 PLOT DATE
 = 1//11/2024
 DATE
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS CONCRETE FOUNDATION,
TYPE A PEDESTRIAN PUSH-BUTTON POST

SHEET OF SHEETS STA. TO STA.