06-14-2019 LETTING ITEM 114

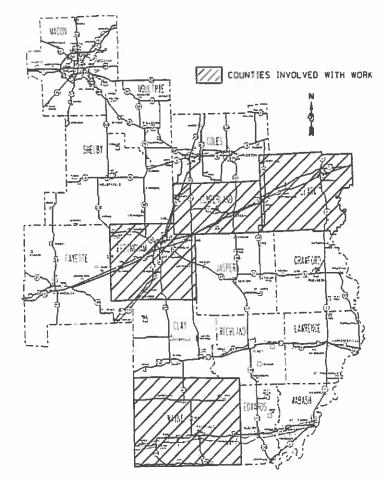
FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

VARIOUS ROUTES SECTION D7 HIGHWAY LIGHTING 2019–1 PROJECT NHPP–A0AH(390) HIGHWAY LIGHTING REPLACEMENT VARIOUS COUNTIES

C-97-044-19





FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFDRM 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 DR 811

PROJECT ENGINEER: TOM RONAN PROJECT ENGINEER: DEWAYNE SEACHRIST PROJECT MANAGER: RYAN WEI PHONE: (217)342–8320 PHONE: (217)342–8286

CONTRACT NO. 74913

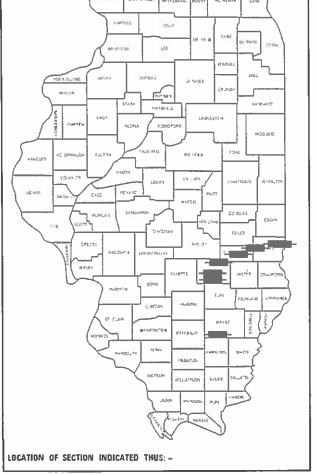
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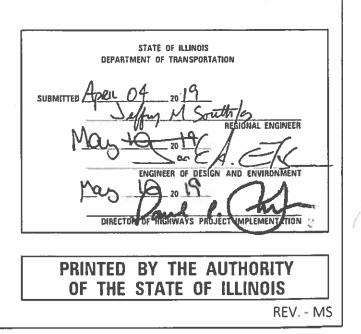
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INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS, GENERAL NOTES, & HIGHWAY STANDARDS
3-6	SUMMARY OF QUANTITIES
7	SCHEDULE OF QUANTITIES
8 - 1 1	LOCATION MAPS
12-21	LIGHTING SHEETS
22-23	TRAFFIC CONTROL STANDARDS
24	SOIL BORINGS

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

STD. NO. DESCRIPTION

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15′ (4.5m) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24'' (600mm) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15'(4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15′ (4.5M) AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS <u>></u> 45 MPH
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS \geq 45 MPH
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701456-05	PARTIAL EXIT RAMP CLOSURE FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
821101-02	LUMINAIRE WIRING IN POLE
825011-04	LIGHTING CONTROLLER. PEDESTAL MOUNTED. 240V
830006-05	LIGHT POLE ALUMINUM DAVIT ARM
835001-01	LIGHT TOWER
836001-04	LIGHT POLE FOUNDATION
837001-04	LIGHT TOWER FOUNDATION
838001-01	BREAKAWAY DEVICES

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MOWING, BRUSH AND SHRUB REMOVAL, AND SHALL DISPOSE OF ALL REMOVED ITEMS OFF OF THE JOB SITE, THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE REMOVAL OR REPLACEMENT OF LIGHT TOWERS.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES (100 MILLIMETERS) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE LIGHTING PAY ITEMS.

ALL SIGNS ATTACHED TO LIGHT POLES SHALL BE REMOVED, PRESERVED AND REINSTALLED. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR REMOVAL OF LIGHTING UNIT, NO SALVAGE

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS. MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

THE PAY ITEM LUMINAIRE, LED. ROADWAY, OUTPUT DESIGNATION H INCLUDES 116 LED RETROFIT LUMINAIRES FOR LOCATION #2 AND 21 NEW POLE INSTALLATIONS FOR LOCATIONS #1 AND #5.

LIGHT TOWERS SHALL BE GALVANIZED STEEL AS SPECIFIED BY ARTICLE 1069.08 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

LIGHT POLES SHALL BE ALUMINUM AS SPECIFIED BY ARTICLE 1069.02 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

REMOVAL OF EXISTING LUMINAIRES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICE OF THE PROPOSED ITEMS.

THE CONTRACTOR SHALL FURNISH AND INSTALL NEW FUSEHOLDERS, FUSES, SURGE ARRESTORS, AND POLE WIRING FOR EACH LUMINAIRE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED LUMINAIRES.

THE CONTRACTIR SHALL FURNISH 1 FT, LUMINAIRE ARMS AND INSTALL THEM ONTO THE EXISTING TENON TOP LIGHT POLES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED LUMINAIRES.

THE CONTRACTOR SHALL REMOVE HPS LAMPS FROM THE EXISTING FIXTURES PRIOR TO DISPOSAL. THE HPS LAMPS SHALL BE DIPOSED OF AT A CERTIFIED RECYCLING FACILITY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED LUMINAIRES.

REMOVAL AND REPLACEMENT OF EXISTING SIDEWALK, PAVEMENT, AND ISLANDS DAMAGED DUE TO CONTRACTOR OPERATIONS WILL NOT BE PAID FOR SEPARATELY , BUT SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE REMOVAL OF LIGHT TOWER FOUNDATIONS.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF REMOVE ELECTRIC CABLE FROM CONDUIT.

EXISTING UTILITY LOCATION INFORMATION IS NOT SHOWN ON THE PLAN SHEETS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES PRIOR TO THE INSTALLATION OF ANY COMPONENTS. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS AND TERRAIN PRIOR TO COMMENCING WORK ON THE PROJECT.

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.

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

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GENERAL NOTES

	ILLINOIS DEPARTMENT OF TRANSPORTATION				S COUNTIES	90% FED / 109		
SUM	ARY OF QUANTITIES		TOTAL					
			QUANTITIES	0021 EFFINGHAM	0021 CLARK COUNTY	0021 CUMBERLAND COUNTY	0021 WAYNE COUNTY	
CODE NO	ITEM	UNIT		COUNTY	COUNTY	COUNTY	COUNTY	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12				
67100100	MOBILIZATION	L SUM	1	0.37	0.37	0.13	0.13	
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD	EACH	4	4				
	701411							
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	0.17	0.49	0.17	0.17	
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1				
	701401							
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1				
	701451							
70100825		L SUM	1	0.2	0.6		0.2	
	701456							
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	14	14			
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1			
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC	FOOT	532	14	518			
	CONDUIT, 2" DIA.							

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			1	VARIO	US COUNTIES	90% FED / 10	0% STATE	
	ILLINOIS DEPARTMENT OF TRANSPORTATION							
SUM	ARY OF QUANTITIES		TOTAL					
		1	QUANTITIES	0021 EFFINGHAM	0021 CLARK	0021 CUMBERLAND COUNTY	0021 WAYNE	
CODE NO	ITEM	UNIT		COUNTY	COUNTY	COUNTY	COUNTY	
		5007	10507	1070	05.75			
81603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	10507	1932	8575			
	The oser, of the oser the oser of the oser							
82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION C	EACH	81	20	26	17	18	
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	137	119	18			
82110015	LUMINAIRE, LED, HIGHMAST, OUTPUT DESIGNATION	EACH	16	16				
	Н							
82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED,	EACH	1		1			
	240V0LT. 60AMP							
83003600	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT.	ЕАСН	3	3				
	DAVIT ARM							
83012400	LIGHT POLE, ALUMINUM, 45 FT. M.H., TENON	EACH	18		18			
	WOUNT							
83502500	LIGHT TOWER, 100 FT. MOUNTING HEIGHT,	EACH	2	2				
	LUMINAIRE MT 8							
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT	ЕАСН	21	3	18			 _
	CIRCLE, 8 5/8" X 6'							
83700300	LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	45	45				
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		1	QUANTITIES	0021 EFFINGHAM	0021 CLARK COUNTY	0021 CUMBERLAND COUNTY	0021 WAYNE COUNTY		
CODE NO	ITEM	UNIT		COUNTY	COUNTY	COUNTY	COUNTY		
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS	ЕАСН	84	12	72				
	STEEL SCREEN								
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	9	3	6				
84200804	REMOVAL OF POLE FOUNDATION	ЕАСН	9	3	6				
		5.00							
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1		1				
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1		1				
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	ЕАСН	1		1				
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8210	1912	6298				
X0323710	REMOVE CONDUIT ATTACHED TO STRUCTURE	FOOT	347		347				
X0327303	REMOVAL OF EXISTING SIGN LIGHTING UNIT WITH	ЕАСН	1		1				
	NO SALVAGE								
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.5	0.25	0.25				
X8420502	REMOVAL OF LIGHT TOWER, NO SALVAGE	ЕАСН	6	2	4				-
X8420510	REMOVAL OF TOWER FOUNDATION	ЕАСН	6	2	4				
									+
X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	1	1					

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Z003024 MAINTAIN EXISTING LIGHTING SYSTEM L SUM 1 0.5 0.5 1 1 0.5 1										
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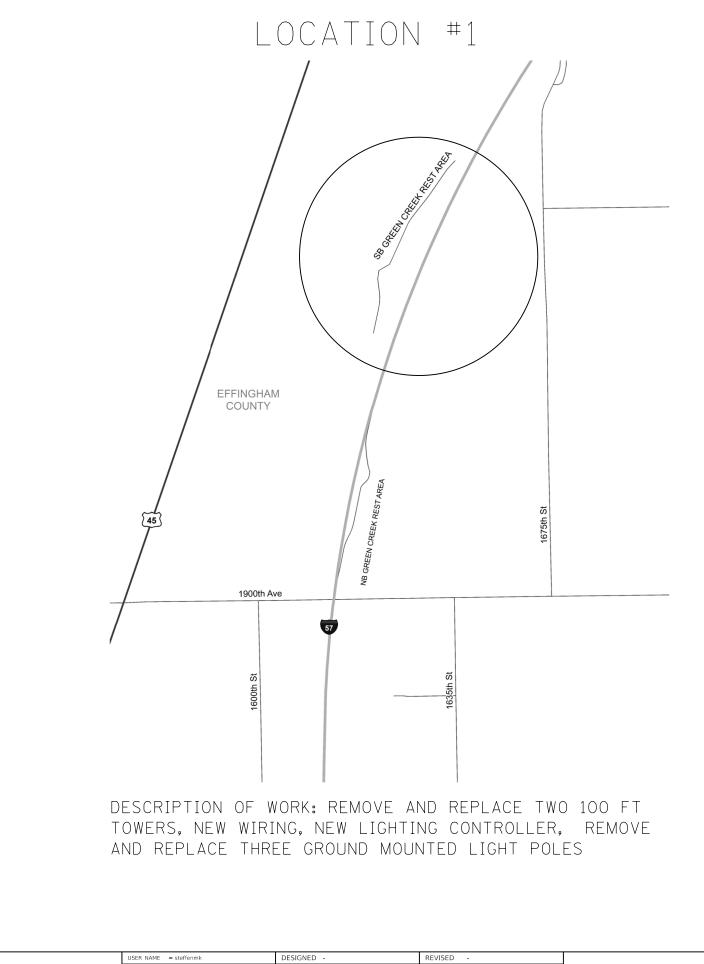
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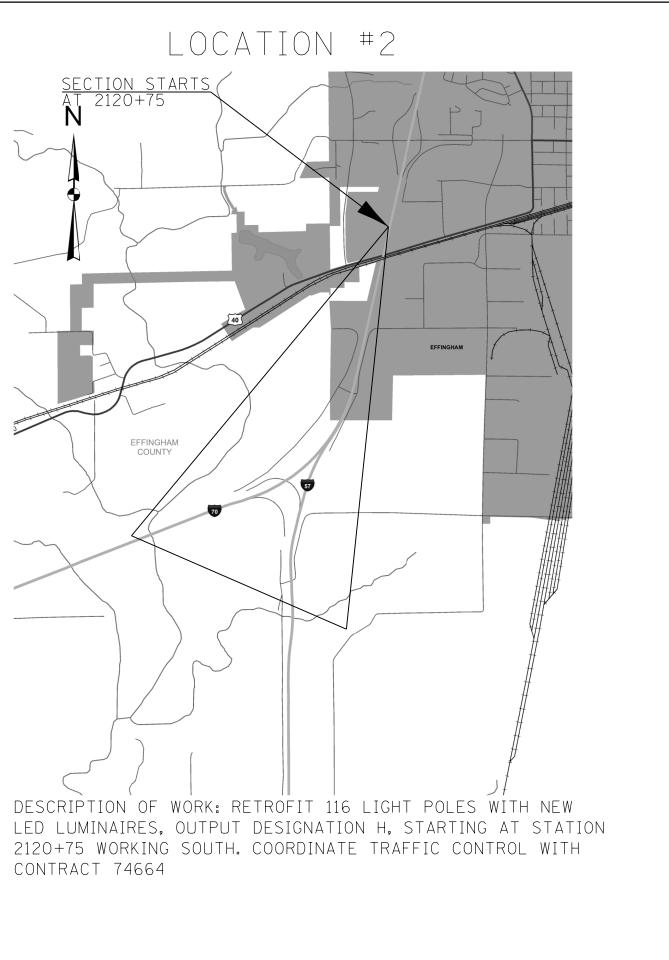
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LED RETROFIT SCHEDULE

				LED RETROFIT SCHEDULE		
Location No.	County	Route	Exit No.	Location Description	LED RETROFITS	LED RETROFITS
					OUTPUT DESIGNATION H	OUTPUT DESIGNATION G
1	Effingham	I-57 (SB)	167	Southbound Green Creek Rest Area		
2	Effingham	I-57/I-70	158	South Tri-level, SW of Effingham	116	
3	Effingham	I-57	151	Watson Interchange		20
4	Cumberland	I-70	119	Greenup Interchange		17
5	Clark	I-70	129	Casey Interchange		
6	Clark	I-70	136	Martinsville Interchange		14
7	Clark	I-70	154	US Route 40 Interchange		12
8	Wayne	I-64	100	Wayne City Interchange		18
				TOTAL:	116	81

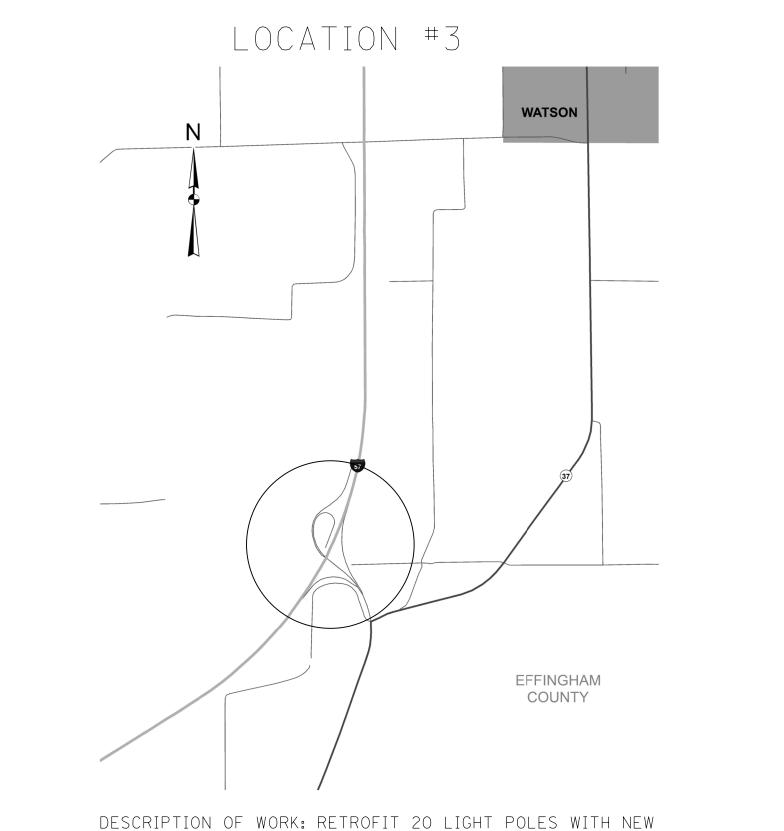
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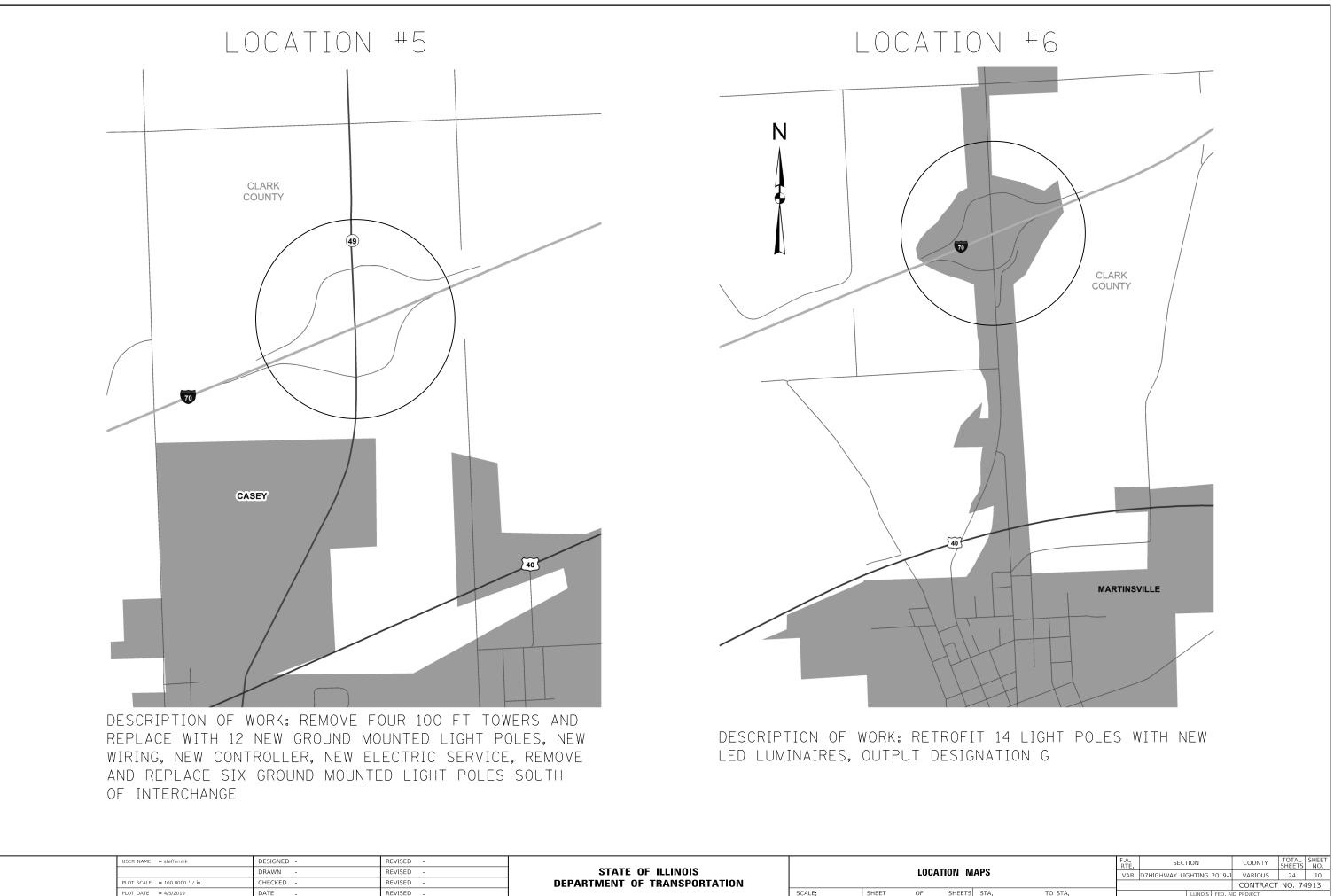
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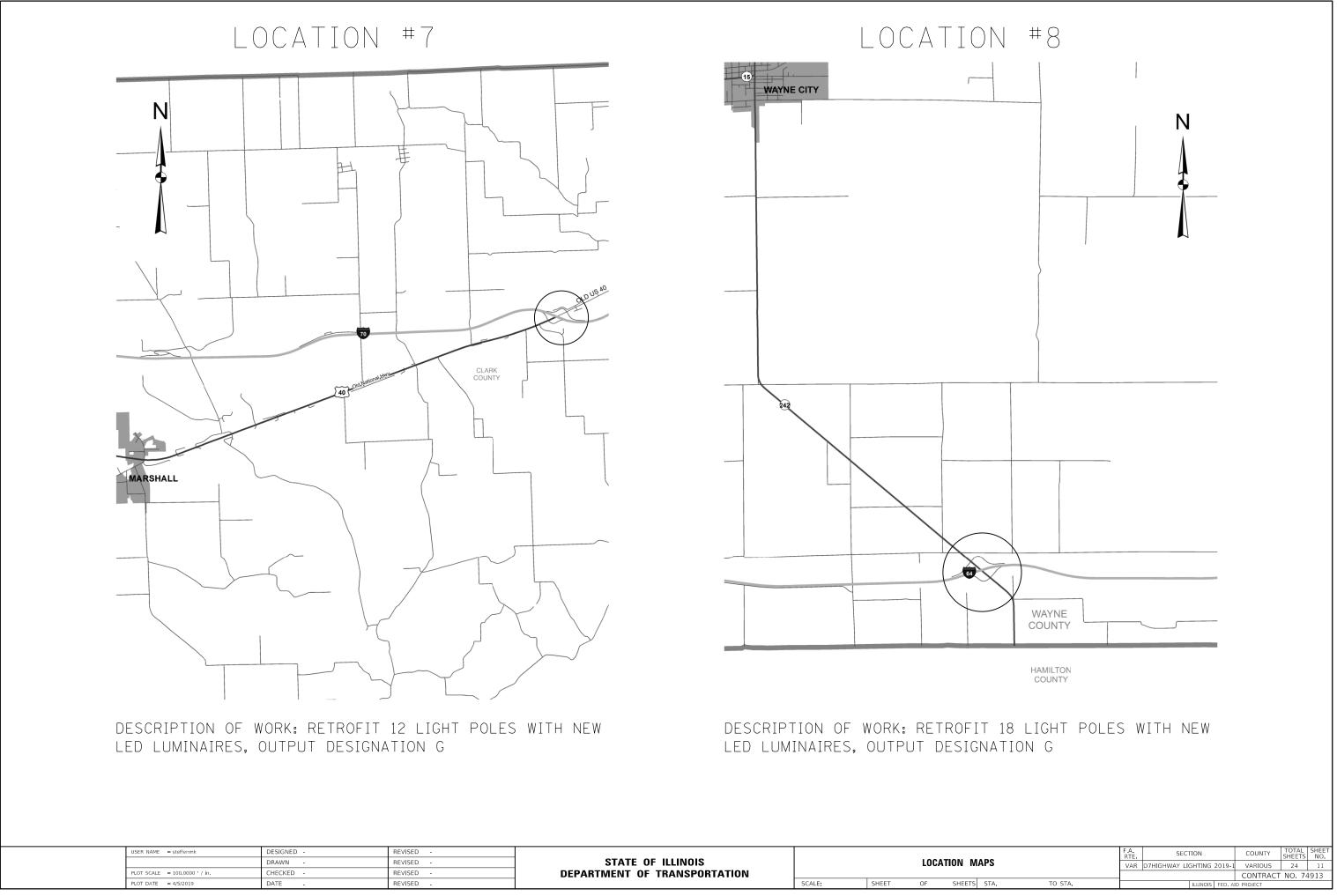


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- 1. CONTRACTOR TO EXERCISE CAUTION WHEN INSTALLING FOUNDATIONS AND LIGHT POLES TO AVOID DAMAGE TO EXISTING AERIAL POWER CABLES AND ENSURE ADEQUATE HORIZONTAL CLEARANCE FROM OVERHEAD POWER LINES.
- 2. INSTALL NEW UNIT DUCT IN UNDERGROUND CASING UNDER THE ROADWAY AS SHOWN ON PLANS.
- 3. INSTALL NEW TOWERS ON PROPOSED FOUNDATIONS.
- 4. REMOVE EXISTING TOWERS AND CABLE IN UNIT DUCT. BREAK DOWN FOUNDATIONS, ABANDON EXISTING CONDUIT IN PLACE.
- 5. CONTRACTOR SHALL AIM NEW TOWER LUMINAIRES TO MATCH EXISTING.
- 6. NEW TOWERS SHALL BECOME COMPLETELY OPERATIONAL THE SAME DAY EXISTING TOWERS ARE REMOVED WITHOUT INTERRUPTION TO INTERCHANGE LIGHTING.
- 7. CONTRACTOR SHALL INSTALL HORIZONTAL MOUNT ROADWAY LUMINAIRES ON THE LUMINAIRE RING IN A MANNER THAT ALLOWS LUMINAIRES TO BE AIMED AS NEEDED.

HIGHWAY STANDARDS

821101-02	LUMINAIRE WIRING IN POLE
825011-04	LIGHTING CONTROLLER PEDESTAL MOUNTED, 240V
835001-01	LIGHT TOWER
836001-04	LIGHT POLE FOUNDATION
837001-04	LIGHT TOWER FOUNDATION
838001-01	BREAKAWAY DEVICES
830021-03	LIGHT POLE STEEL TENON MOUNT

INDEX OF SHEETS

- RL-1 GENERAL NOTES, SCHEDULE OF QUANTITIES, HIGHWAY STANDARDS, LEGEND, AND INDEX OF SHEETS
- RL-2 EXISTING LIGHTING REMOVAL PLAN SB GREEN CREEK REST AREA I-57
- RL-3 EXISTING LIGHTING REMOVAL PLAN I-49/I-70 INTERCHANGE
- RL-4 EXISTING LIGHTING REMOVAL PLAN I-49/I-70 INTERCAHNGE
- RL-5 PROPOSED LIGHTING PLAN SB GREEN CREEK REST AREA I-57
- RL-6 PROPOSED LIGHTING PLAN I-49/I-70 INTERCHANGE
- RL-7 PROPOSED LIGHITNG PLAN I-49/I-70 INTERCHANGE
- RL-8 WIRING DIAGRAMS
- RL-9 SB GREEN CREEK REST AREA LIGHTING CONTROLLER WIRING SCHEMATIC
- RL-10 LIGHTING PLAN NB GREEN CREEK REST AREA I-57

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(RWIS)

PROPOSED GALVANIZED STEEL HIGH MAST TOWER, 100' M.H. WITH LED LUMINAIRES ON 48" CONCRETE FOUNDATION. LUMINAIRE AIMING AS SHOWN WITH ARROW AND NUMBER.

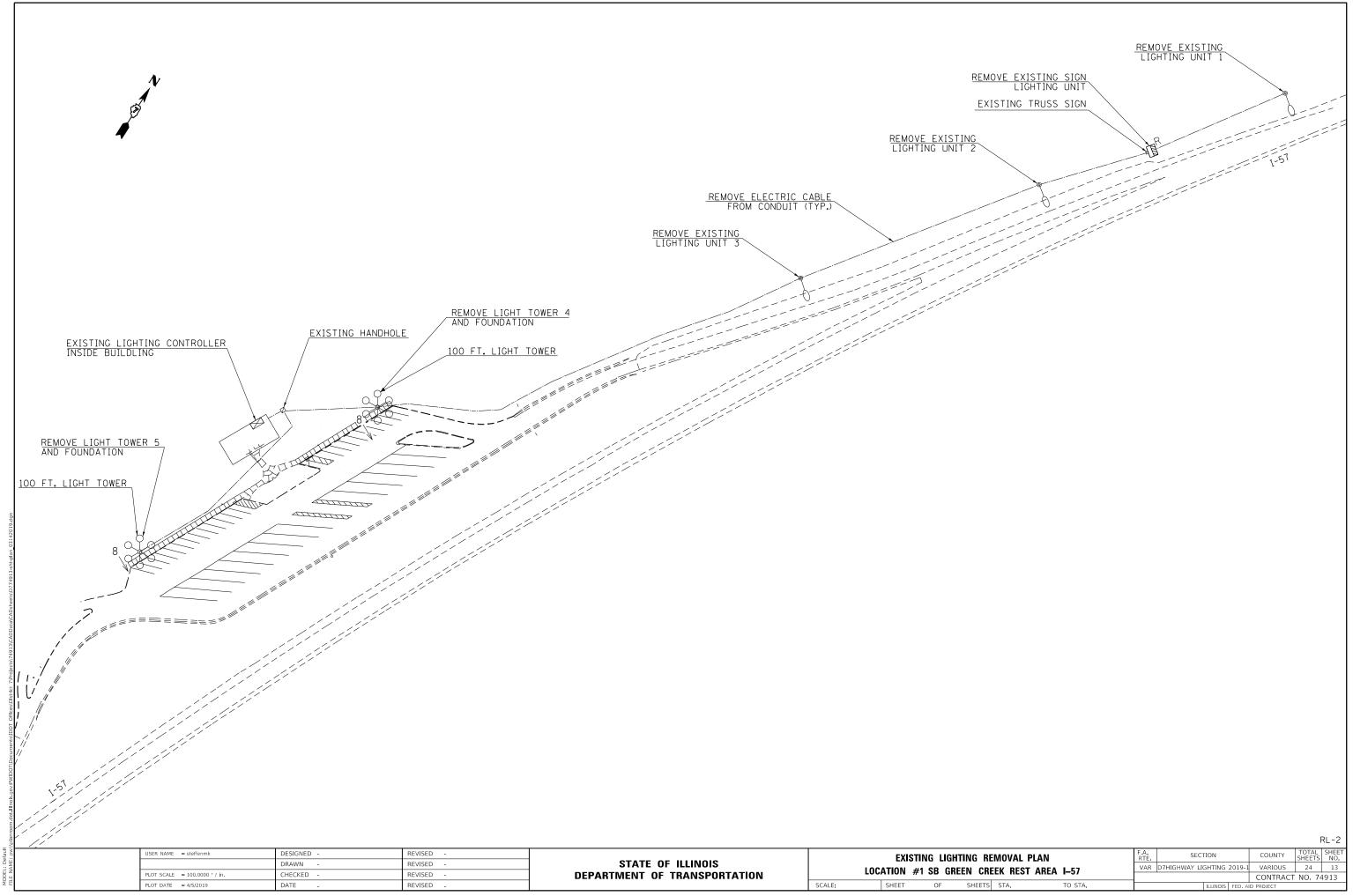
PROPOSED LIGHTING UNIT, ALUMINUM, 45' M.H. TENON MOUNT AT CASEY INTERCHANGE, AND ALUMINUM, 45' M.H. 15 FT DAVIT ARM AT SB GREEN CREEK REST AREA LED HORIZONTAL MOUNT LUMINAIRE, BREAKAWAY COUPLINGS ON 6' METAL FOUNDATION WITH POLE SETBACK OF 30' FROM EDGE OF PAVEMENT. UNLESS OTHERWISE NOTED.

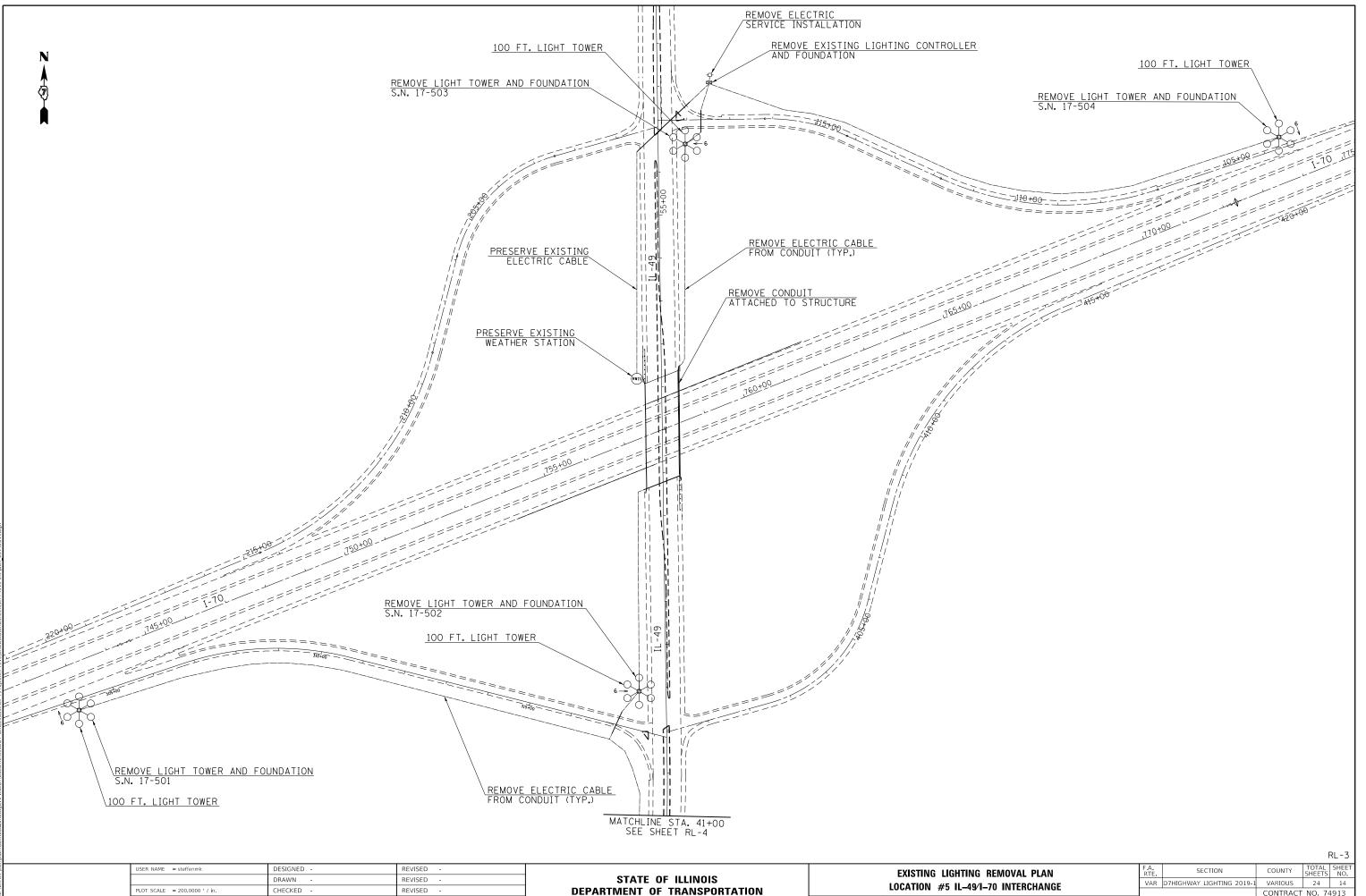
- LIGHTING CONTROLLER TO BE UPGRADED.
 - PROPOSED PEDESTAL MOUNTED LIGHTING CONTROLLER. 240V. SINGLE PHASE.
 - PROPOSED COILABLE NONMETALLIC CONDUIT. SIZE AND LENGTH AS NOTED.
 - PROPOSED UNIT DUCT, SIZE AS NOTED.
 - PROPOSED ELECTRIC SERVICE INSTALLATION.

EXISTING HIGH MAST LIGHT TOWER, 100' M.H. WITH (6 OR 8) LUMINAIRES. TO BE REMOVED. BREAKDOWN FOUNDATION 2.5 FEET BELOW GRADE.

EXISTING LIGHTING UNIT AND FOUNDATION TO BE REMOVED.

- EXISTING SIGN LIGHTING LUMINAIRE TO BE REMOVED.
- EXISTING LIGHTING CONTROLLER.
- EXISTING CONDUIT TO BE ABANDONED IN PLACE.
 - EXISTING UNIT DUCT. EXISTING CABLE SHALL BE REMOVED AND CONDUIT ABANDONED IN PLACE.
- EXISTING ELECTRIC SERVICE INSTALLATION.
 - EXISTING ROADWAY WEATHER INFORMATION SYSTEM (RWIS).





PLOT DATE = 4/5/2019

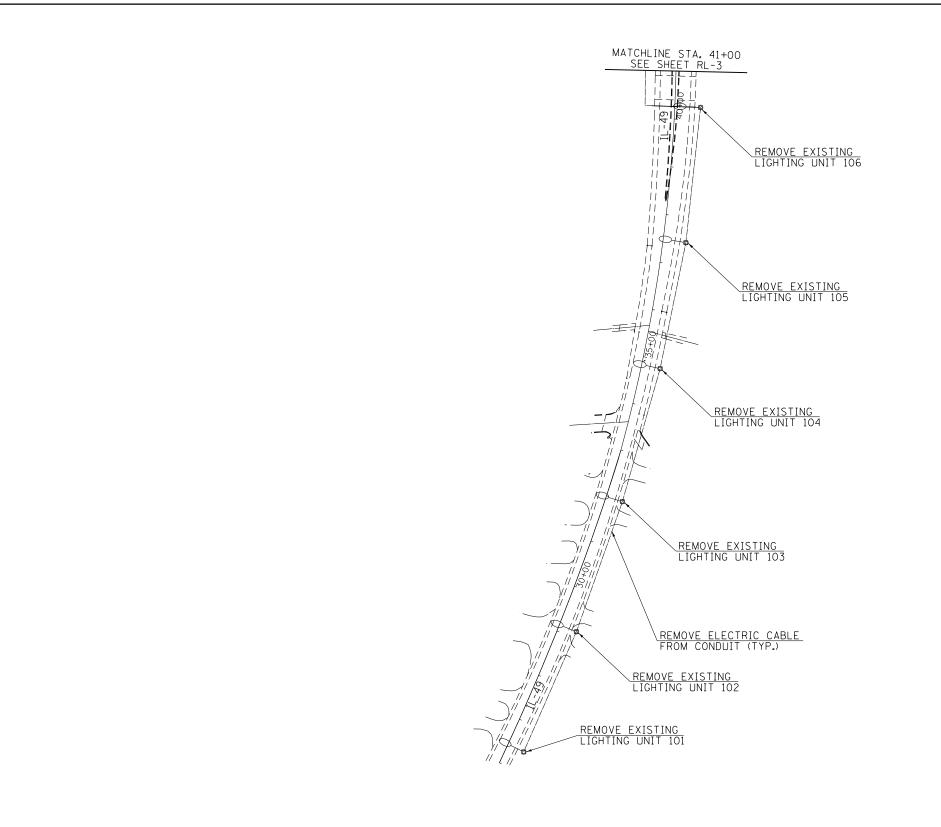
DATE

REVISED

SCALE:

SHEET

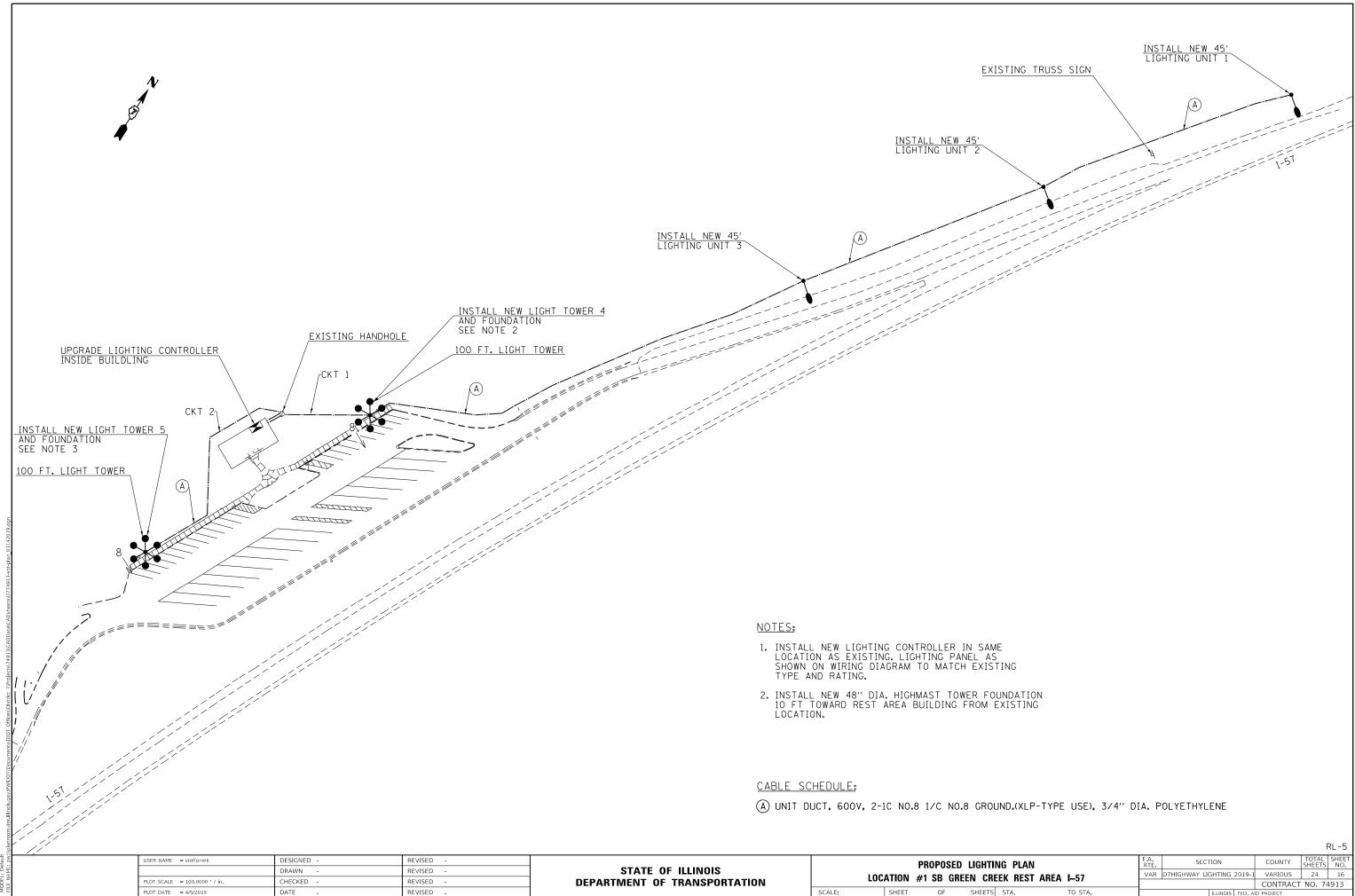
ING	LIGHT	ING RE	MOVAL PLAN		F.A. RTE	SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.
лN	#5 II_	/10/1_70		F	VAR	D7HIGHWAY LIC	SHTING	2019-1	VARIOUS	24	14
ING LIGHTING REMOVAL PLAN DN #5 IL-49/1-70 INTERCHANGE OF SHEETS STA. TO STA.				L					CONTRACT	NO. 74	1913
	OF	SHEETS	STA.	TO STA.			ILLINOIS	FED. AI	D PROJECT		



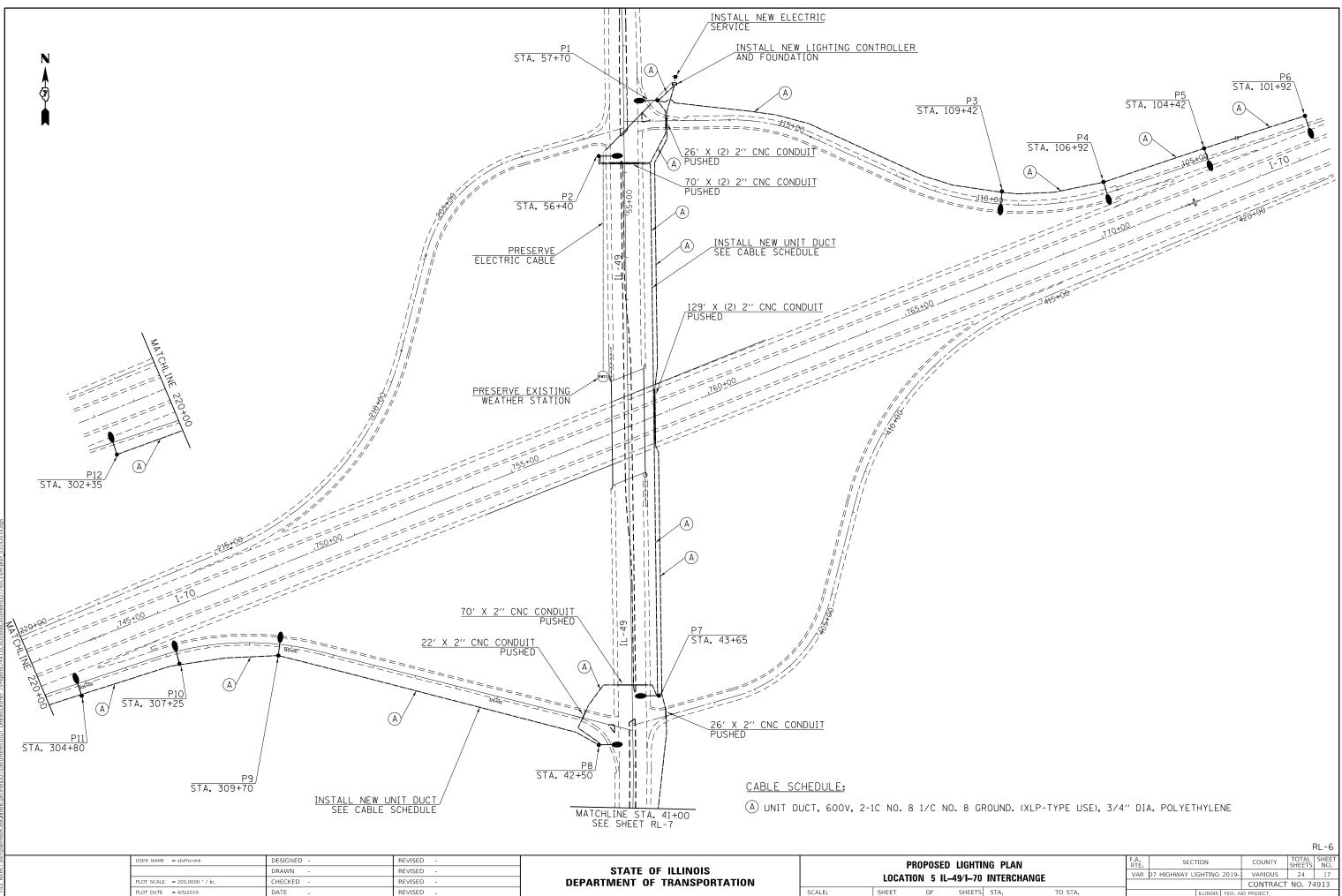
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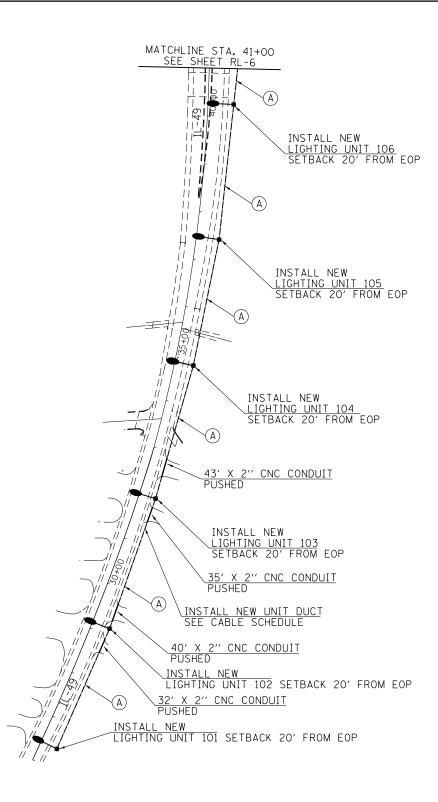
USER NAME = steffenmk	DESIGNED -	REVISED -			FXIST		ITING REMOVAL PI	ΔΝ	F.A. BTE	SECTION	COUNTY	TOTAL SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS						VAR D7	HIGHWAY LIGHTING 2019	1 VARIOUS	24 15
PLOT SCALE = 200.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	LOCATION #5 IL-49/1-70 INTERCHANGE					CONTRACT	NO. 74913		
PLOT DATE = 4/5/2019	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED.	AID PROJECT	



TO STA.



TO STA.



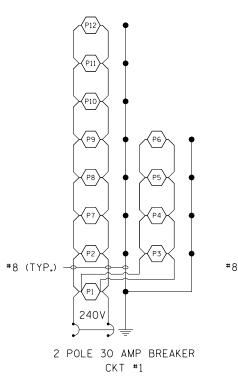
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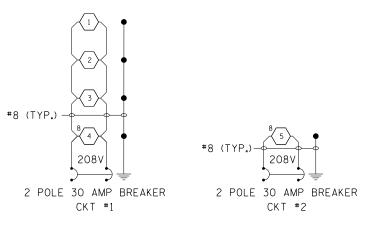
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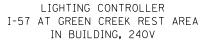
CABLE SCHEDULE:

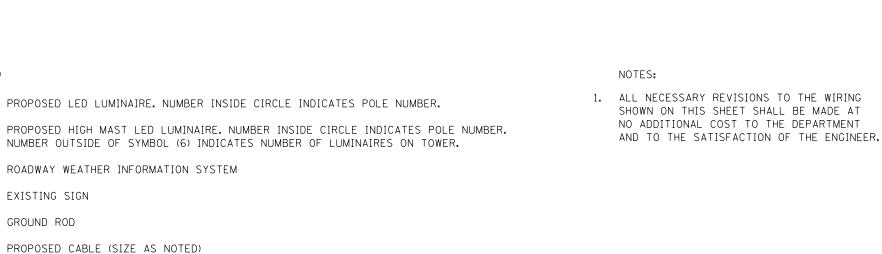
(A) UNIT DUCT, 600V, 2-1C NO. 8 1/C NO. 8 GROUND. (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE

USER NAME = steffenmk	DESIGNED -	REVISED -				PROPOSE	D LIGHT	NG PLAN		F.A. RTE	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
	DRAWN -	REVISED -	STATE OF ILLINOIS							VAR D7 H	HIGHWAY LIGHTING 2019-	VARIOUS	24 18
PLOT SCALE = 200,0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	LOCATION #5 IL-49/1-70 INTERCHANGE			HANGE	_		CONTRAC	T NO. 74913		
PLOT DATE = 4/5/2019	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT	











LEGEND

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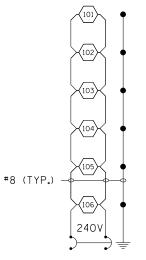
RWIS

SIGN

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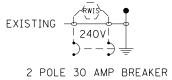
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EXISTING CABLE



2 POLE 20 AMP BREAKER CKT #2

LIGHTING CONTROLLER I-70 AT IL-49 PEDESTAL MOUNT, 240V



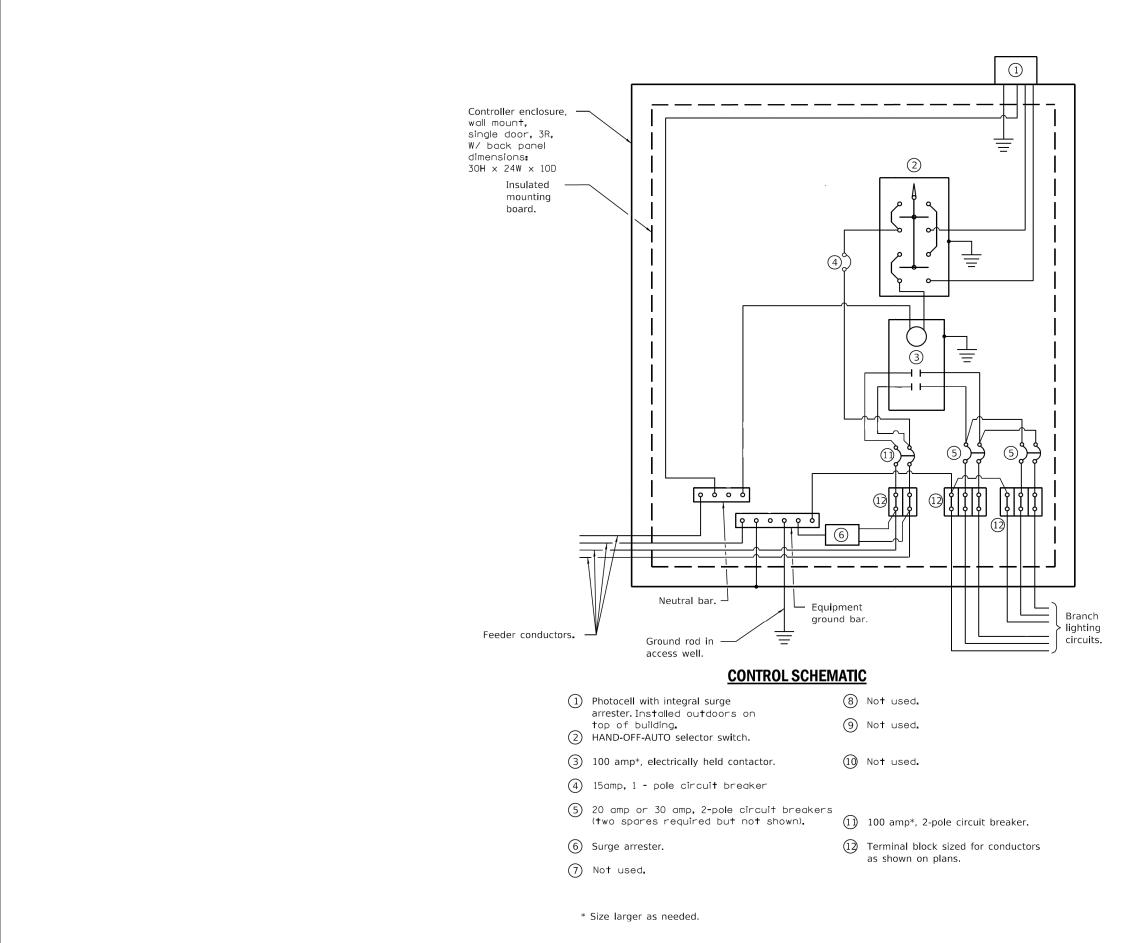
CKT #3

 GRAMS
 F.A. RTE.
 SECTION
 COUNTY
 TOTAL SHEETS
 SHEETS NO.

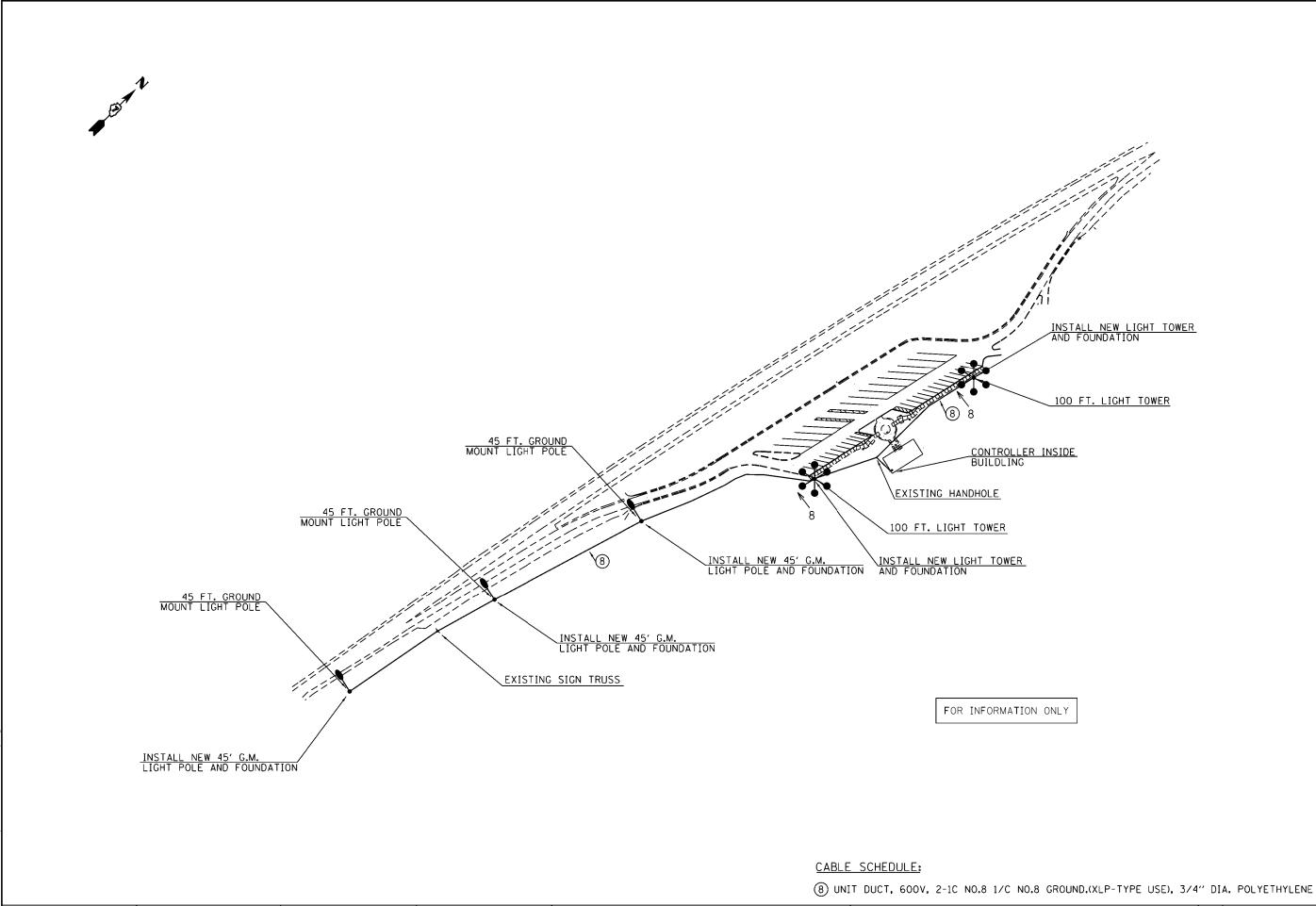
 VAR
 D7HIGHWAY LIGHTING 2019-1
 VARIOUS
 24
 19

 CONTRACT NO.
 CONTRACT NO.
 74913

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 ILLINOIS
 FED. AID PROJECT

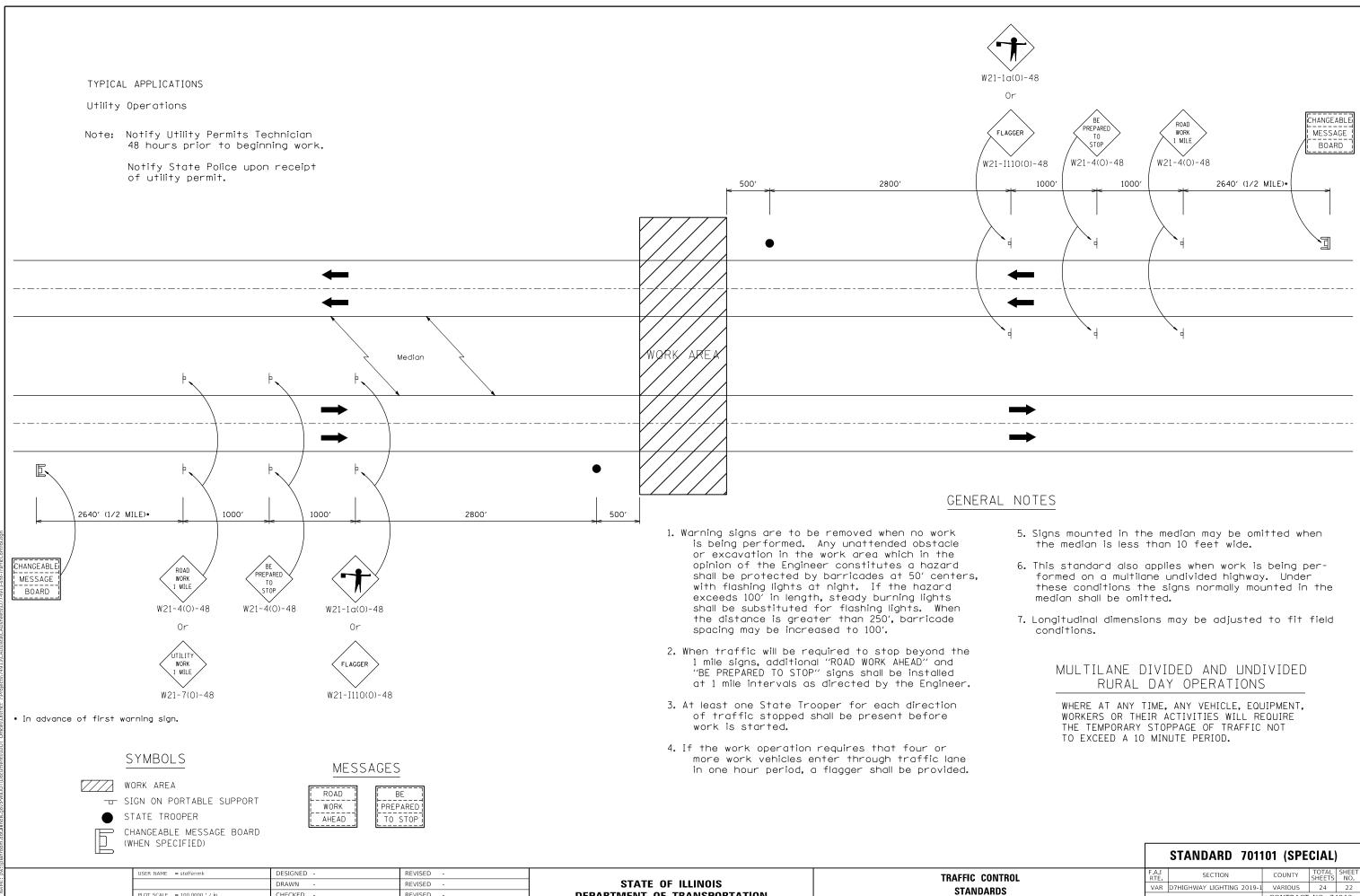


USER NAME = MTodden	DESIGNED	REVISED		SB GREEN CREEK REST AREA	F.A. SECTION	COUNTY TOTAL SHEET
	DRAWN	REVISED -	STATE OF ILLINOIS		VAR D7HIGHWAY LIGHTING 2019-1	VARIOUS 24 20
PLOT SCALE = 100.0000 '/ In.	CHECKED	REVISED	DEPARTMENT OF TRANSPORTATION	LIGHTING CONTROLLER WIRING SCHEMATIC		CONTRACT NO. 74913
PLOT DATE = 3/29/2019	DATE	REVISED		SCALE: SHEET OF SHEETS STA TO STA	ILLINOIS FED. AID	PROJECT



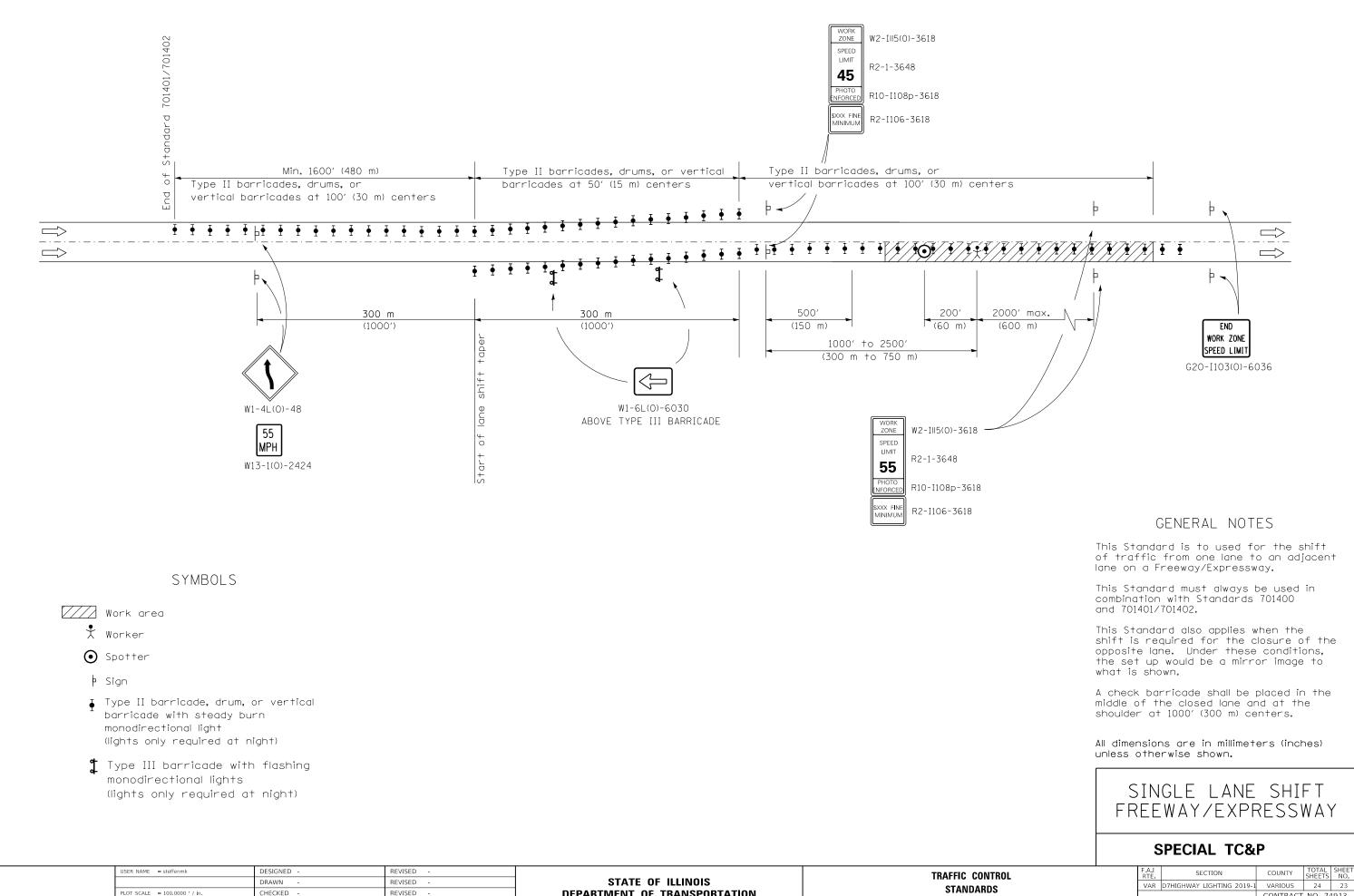
USER NAME = mkucinas	DESIGNED	REVISED	STATE OF ILLINOIS				LIGHTI	N
PLOT SCALE = 200.0000 ' / in.	CHECKED	REVISED -	DEPARTMENT OF TRANSPORTATION		NB_GRE	EN_CRE	EK_RES	T
PLOT DATE = 2/19/2018	DATE	REVISED		SCALE:	SHEET	OF	SHEETS	

COUNTYTOTAL
SHEETSSHEET
NOVARIOUS2421 SECTION TING_PLAN_ VAR D7HIGHWAY LIGHTING 2019-1 ST_AREA_I-57_ CONTRACT NO. 74913 S STA. TO STA. ILLINOIS FED



USER NAME = steffenmk	DESIGNED -	REVISED -				TRAFF	IC CONTI	ţ
	DRAWN -	REVISED -	STATE OF ILLINOIS					
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			21A	ANDARDS	1
PLOT DATE = 4/5/2019	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	
				·				*

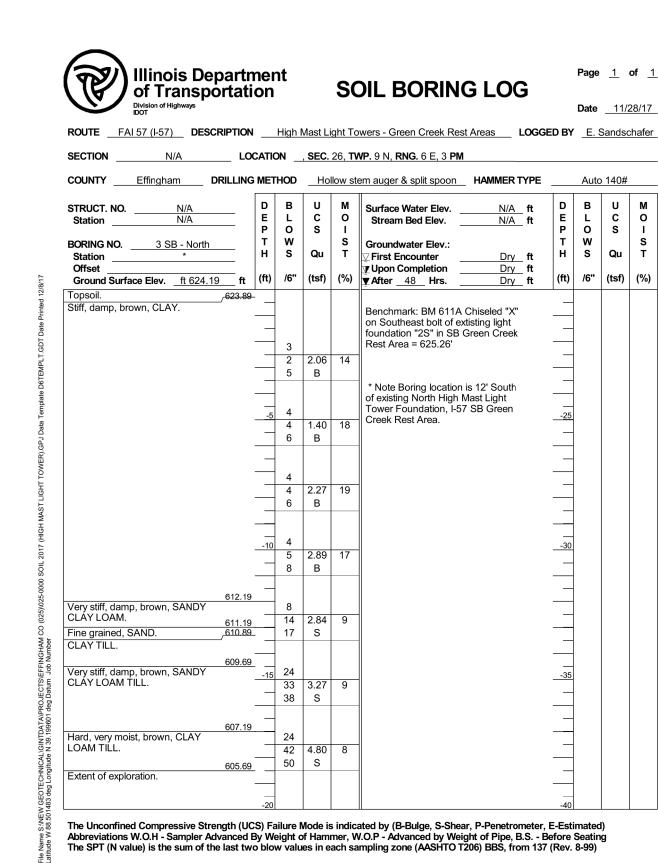
			STANDARD	7011	01 (SPE	CIAL)
NTROL		F.A.I RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
DS		VAR	D7HIGHWAY LIGHTING	2019-1	VARIOUS	24	22
103					CONTRACT	NO. 74	4913
S STA.	TO STA.		ILLINOIS	FED. AI	D PROJECT		



USER NAME = steffenmk	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS			TRAFF	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	1		ST/	ANDARDS
PLOT DATE = 4/5/2019	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS ST

STA.

TO STA.



Illinois Department of Transportation SECTION COUNTY м

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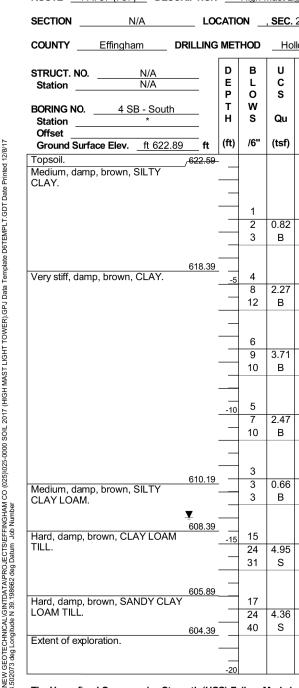
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(%)



on of Highways

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

33 3.27

42 4.80

S

S

38

24

50

607.19

605.69

Hard, very moist, brown, CLAY LOAM TILL.

Extent of exploration.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.P - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

USER NAME = steffenmk	DESIGNED -	REVISED -				SOIL	BORINO	
	DRAWN -	REVISED -	STATE OF ILLINOIS	i i i i i i i i i i i i i i i i i i i				
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	i i i i i i i i i i i i i i i i i i i	28	GREEN C	KEEK P	iE:
PLOT DATE = 4/5/2019	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	S

SOIL BORING LOG

Date _____11/28/17__

ROUTE FAI 57 (I-57) DESCRIPTION High Mast Light Towers - Green Creek Rest Areas LOGGED BY E. Sandschafer

LOCATION __, SEC. 26, TWP. 9 N, RNG. 6 E, 3 PM

llow ste	em auger & split spoon	HAMMER TYP	E	Auto	140#	
M O I S T (%)	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: ∑ First Encounter ∑ Upon Completion ▼After _48_ Hrs.	<u>N/A</u> ft <u>N/A</u> ft <u>Dry</u> ft <u>608.9</u> ft	E P T H	B L O W S	U C S Qu (tsf)	M O I S T (%)
	Benchmark: BM 611A on Southeast bolt of e foundation "2S" in SB Rest Area = 625.26'	existing light				
27						
	* Note Boring location of existing South High Tower Foundation, I-5	Mast Light	-25			
16	Creek Rest Area.					
14						
15			<u>-30</u>			
18						
9			<u>-35</u> 			
11			_			
			-40			

NGS	F.A. RTE	SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.
REST AREA		D7 HIGHWAY LI	IGHTING	2019-1	VARIOUS	24	24
				CONTRACT NO. 74913			913
S STA. TO STA.			ILLINOIS	FED. AI	D PROJECT		