FOR INDEX OF SHEETS, SEE SHEET NO. 2 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3-4

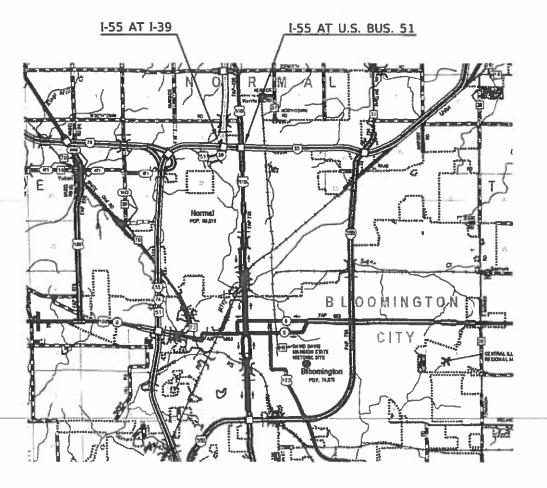
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

F.A.I. ROUTE 55 (I-55) SECTION (57-4)L PROJECT NHPP LIRN(090) INTERCHANGE LIGHTING IMPROVEMENTS MCLEAN COUNTY

C--95--027--20



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: JEFF ALLEN PHONE NUMBER: (217)465-4181



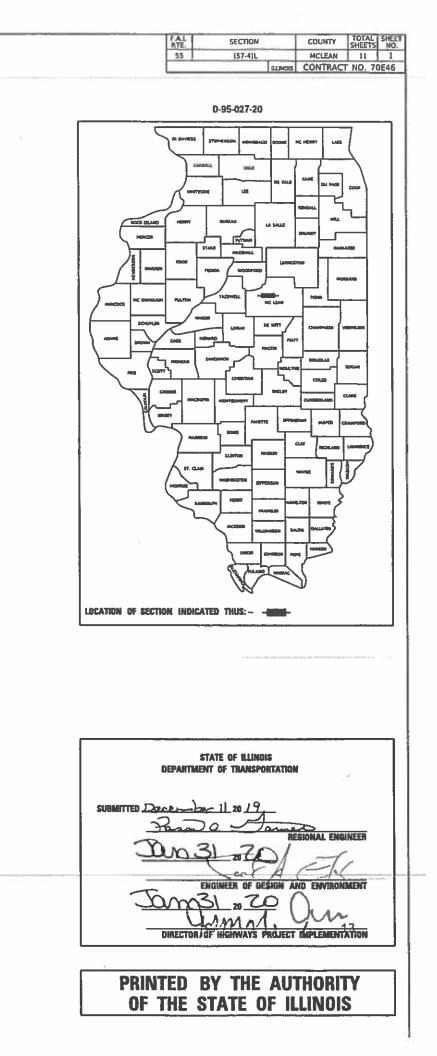
CONTRACT NO. 70E46

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GENERAL NOTES

pw:\lplanroor	USER NAME = piersor	nbr DESIGNED -	REVISED -	Γ		051	NEDAL NOTES INDEV OF SHEETS	F.A.I.
dot. illinoits. gov. P					001006	DECIMA	L OF AN INCH AND OF A FOOT	
					000001-07	STANDA	ARD SYMBOLS, ABBREVIATIONS AND PATTER	RNS
scuments)					837001-05	LIGHT TO	OWER FOUNDATION	
					835001-01	LIGHT TO	OWER	
.es/District					825026-04	LIGHTIN	IG CONTROLLER BASE MOUNTED, 480V	
. 5\Project					821101-02	LUMINAI	IRE WIRING IN POLE	
\$10570E46	CONDUIT	OR UNIT DUCT PAY ITEM.			701901-08	TRAFFIC	C CONTROL DEVICES	
\CADData'	NECESSA	TRACTOR IS RESPONSIBLE FOR UNCOVERIN ARY. THE COST OF THIS WORK IS TO BE INCL			701456-05	PARTIAL	L EXIT RAMP CLOSURE, FREEWAY/EXPRESS	WAY
CADsheet					701428-01	TRAFFIC	C CONTROL, SETUP AND REMOVAL, FREEWA	Y/EXPRESS
slD570E4t					701406-12	LANE CL	LOSURE, FREEWAY/EXPRESSWAY, DAY OPE	RATIONS ON
6-sht-genn		AND NO ADDITIONAL COMPENSATION WILL	BE ALLOWED.		701400-09	APPROA	ACH TO LANE CLOSURE, FREEWAY/EXPRESS	SWAY
dte. dgn		THIS WORK WILL NOT BE PAID FOR SEPARA	ACH FOR LIGHT TOWER OR F		701106-02		AD OPERATIONS, MULTILANE, MORE THAN 1	
		AS DIRECTED BY THE ENGINEER.			701101-05		AD OPERATIONS, MULTILANE, 15' (4.5 M) TO :	24" (600 mm)
	G.N202 SPL	GRADING SHALL BE DONE BY HAND AROUN OR OTHER OBJECTS WHERE SHALLOW FILI IT IS THE INTENT TO PRESERVE THE AREA POSSIBLE. THE DECISION AS TO WHAT ITE!	LS OR CUTS ARE ADJACENT 1 IN THE ORIGINAL STATE AS M	IUCH AS	<u>STANDARD_NO.</u>		IST OF STANDARDS	
		THE CONTRACTOR SHALL ALSO BE RESPO PROTECTION FOR FACILITIES DURING ALL TIME, THE FACILITIES ARE DAMAGED, THE NOTIFY THE DEPARTMENT AND MAKE ALL I REPAIR TO THE SATISFACTION OF THE ENO INCLUDED IN THE CONTRACT BID PRICE AN BE ALLOWED.	PHASES OF CONSTRUCTION. CONTRACTOR SHALL IMMEDI NECESSARY ARRANGEMENTS GINEER. THIS WORK SHALL BE	IF, AT ANY ATELY S FOR E				
		CONTRACTOR MAY CONTACT THE DISTRIC GARY SIMS, AT 217-251-4859.	,			11.	NIGHT TIME INSPECTION OF ROADWAY L	_
		PROJECT LIMITS, SUCH AS FOR TRAFFIC C THE CONTRACTOR MAY OBTAIN, ON REQUI FACILITIES FROM THE DEPARTMENT. FOR I	EST, PLANS OF EXISTING ELE	CTRICAL		9. 10.	WIRING DIAGRAMS CONTROLLERS 121 &	
		ANY EXCAVATION, PER THE REQUIREMENT SPECIFICATIONS. UTILITY LOCATES MAY AI	LSO BE REQUIRED OUTSIDE T	ΉE		8.	PROPOSED LIGHTING PLAN I-55 & I-39 PROPOSED LIGHTING PLAN I-55 & US BUS	2 5 1
		AT THEIR OWN EXPENSE FOR SECURING A LOCATE ALL EXISTING IDOT UNDERGROUN	D FACILITIES PRIOR TO COM	MENCING		7.	LIGHTING REMOVAL PLAN I-55 & US BUS	51
		EXIST WITHIN THE ROW. THE DEPARTMENT NOT LOCATE IT'S OWN FACILITIES. THE CO	NTRACTOR SHALL BE RESPO	NSIBLE		6.	LIGHTING REMOVAL PLAN I-55 & I-39	
	G.N105.07C	EXISTING STATE-OWNED AND MAINTAINED				5.	LIGHTING GENERAL NOTES AND LEGEND)
		CADD FILES WILL NOT BE AVAILABLE TO TH	E CONTRACTOR.			3 4.	SUMMARY OF QUANTITIES	
	G.N100A	ELECTRONIC FILES AND/OR ELECTRONIC S	URVEY INFORMATION INCLU	DING		2.	GENERAL NOTES, INDEX OF SHEETS AND	D LIST OF ST
		FOR INFORMATION ONLY.				1.	COVER SHEET	
	G.N100	ENGLISH UNITS OF MEASUREMENT SHAL G METRIC UNITS SHOWN IN THIS CONTRACT.			2	<u>SHEET NO.</u>	DESCRIPTION	

USER NAME = piersonbr	DESIGNED -	REVISED -			GENE	β ΔΙ Νά	OTES INF	DFX O	F SHEETS		F.A.I. BTE	SECTION	COUNTY	TOTAL SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS		GENE		•				55	(57-4)L	MCLEAN	11 2
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	& LIST OF STANDARDS					, ,	. ,-	CONTRAC	T NO. 70E46		
PLOT DATE = 12/11/2019	DATE -	REVISED -		SCALE: NONE	SHEET 1	OF	1 SHEE	ETS ST	Α.	TO STA.		ILLINOIS FED.	AID PROJECT	

INDEX OF SHEETS

TES, INDEX OF SHEETS AND LIST OF STANDARDS QUANTITIES NERAL NOTES AND LEGEND MOVAL PLAN I-55 & I-39 MOVAL PLAN I-55 & US BUS 51 IGHTING PLAN I-55 & I-39 GHTING PLAN I-55 & US BUS 51 RAMS CONTROLLERS 121 & 122 NORMAL

- **STANDARDS**
- , MULTILANE, 15' (4.5 M) TO 24" (600 mm) FROM PAVEMENT EDGE
- , MULTILANE, MORE THAN 15' (4.5 M) AWAY
- OSURE, FREEWAY/EXPRESSWAY
- AY/EXPRESSWAY, DAY OPERATIONS ONLY
- UP AND REMOVAL, FREEWAY/EXPRESSWAY
- SURE, FREEWAY/EXPRESSWAY
- CES
- LE
- BASE MOUNTED, 480V
- ION
- BREVIATIONS AND PATTERNS
- ID OF A FOOT

SUMMARY OF QUANTITIES

LOCATION OF WORK:

URBAN LIGHTING

MCLEAN COUNTY MC

FUNDING BREAKOUT:

90% FEDERAL 10% STATE

CONSTRUCTION TYPE CODE:

0021

CODE NO.	<u>ITEM</u>	<u>UNIT</u>	TOTAL QUANTITY	<u>FAI 39</u>	<u>(U</u>
67100100	MOBILIZATION	L SUM	1.0	0.50	
70100700	TRAFFIC CONTROL & PROTECTION STANDARD 701406	L SUM	1.0	0.50	
70100825	TRAFFIC CONTROL & PROTECTION STANDARD 701456	L SUM	1.0	0.50	
80300100	LOCATING UNDERGROUND CABLE	FOOT	1,050.0	400.0	
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2.0	1.0	
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	507.0	507.0	
81603040	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE	FOOT	4,763.0	3,014.0	
01005040	USE), 1" DIA. POLYETHYLENE	1001	4,703.0	5,014.0	
81603070	UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1,220.0	1,220.0	
82110015	LUMINAIRE, LED, HIGHMAST, OUTPUT DESIGNATION H	EACH	52.0	44.0	
82500365	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 150AMP	EACH	2.0	1.0	

USER NAME = piersonbr	DESIGNED -	REVISED -									F.A.I. RTE.	SECTION	COUNTY	TOTAL SH	IEET NO.
	DRAWN -	REVISED -	STATE OF ILLINOIS	SUMMARY OF QUANTITIES			55	(57-4)L	MCLEAN	11	3				
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION											CT NO. 70E4	46
PLOT DATE = 12/11/2019	DATE -	REVISED -		SCALE: NONE	SHEET 1	OF 2	2 SHE	ETSS	STA.	TO STA.		ILLINOIS F	D. AID PROJECT		

FAI 55
URBAN
LIGHTING
CLEAN COUNTY
90% FEDERAL
10% STATE
0021

U <u>S Bus 51)</u> 0.50 0.50 0.50 650.0 1.0 0.0 1,749.0 0.0 0.0		
0.50 0.50 650.0 1.0 0.0 1,749.0 0.0 8.0	<u>US Bus</u>	51)
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		1.0

SUMMARY OF QUANTITIES

LOCATION OF WORK:

90% FEDERAL

FUNDING BREAKOUT:

10% STATE

CONSTRUCTION TYPE CODE:

0021

CODE_NO_	<u>LTEM</u>	<u>UNIT</u>	TOTAL OUANTITY	<u>FAI 39</u>	
83502300	LIGHT TOWER, 100 FT. MOUNTING HEIGHT, LUMINAIRE MT 4	EACH	1.0	0.0	
83700300	LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	99.0	66.0	
84400205	RELOCATE EXISTING LIGHT TOWER	EACH	5.0	4.0	
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	2.0	1.0	
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	2.0	1.0	
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	2.0	1.0	
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5,790.0	4,222.0	
X1400273	REMOVAL OF EXISTING TOWER LUMINAIRE, NO SALVAGE	EACH	52.0	44.0	
X8420500	REMOVAL OF LIGHT TOWER, SALVAGE	EACH	1.0	0.0	
X8420510	REMOVAL OF TOWER FOUNDATION	EACH	6.0	4.0	

USER NAME = piersonbr	DESIGNED -	REVISED -									F.A.I.	SECTION	COUNTY	TOTAL SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS	SUMMARY OF QUANTITIES						55	(57-4)L	MCLEAN	11 4	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION							1	(T NO. 70E46	
PLOT DATE = 12/11/2019	DATE -	REVISED -		SCALE: NONE	SHEET 2	OF	2	SHEETS S	TA.	TO STA.		LILLINOIS FED.	AID PROJECT	

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MCLEAN	COUI	NTY
90% F	EDEI	RAL
10%	ST	ATE
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REV. 2/6/20 REV. 1/27/20 REV. 1/16/20

<u>GE</u>	NERAL NOTES:		LEGEND
1.	INSTALL NEW 48" DIA. FOUNDATION NO MORE THAN 15' FROM	0	PROPOSED HIGH MAST TOWER WITH LED HIGH MAS
	THE EXISTING FOUNDATION AT THE SAME OFFSET FROM EOP. THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH APPROVAL OF THE ENGINEER.	\mathbf{X}	PROPOSED PEDESTAL MOUNTED LIGHTING CONTR
			PROPOSED COILABLE NONMETALLIC CONDUIT, SIZE
2.	INSTALL NEW UNIT DUCT AND UNDERGROUND CONDUIT CASING AS SHOWN ON PLANS.		PROPOSED UNIT DUCT, SIZE AS NOTED.
3.	RELOCATE EXISTING TOWERS TO PROPOSED FOUNDATIONS, INSTALL LED LUMINAIRES, TOWERS SHALL BECOME COMPLETELY OPERATIONAL THE SAME EVENING WITHOUT INTERUPTION.	4 	REPLACE EXISTING HIGH PRESSURE SODIUM HIGH WITH LED HIGH MAST LUMINAIRES. EXISTING HIGHMAST TOWER RELOCATED TO NEW F EXISTING FOUNDATION TO BE REMOVED. ARROW INDICATES AIMING DIRECTION AND NUMBE
	CONTRACTOR SHALL AIM NEW TOWER LUMINAIRES TO MATCH EXISTING. CAREFULLY HAND DIG EXISTING UNIT DUCT AND REROUTE TO NEW TOWER FOUNDATION AND RELOCATED CONTROLLER.	4(® _L	REPLACE EXISTING HIGH PRESSURE SODIUM HIGH WITH LED HIGHMAST LUMINAIRES. EXISTING HIGH MAST TOWER AND FOUNDATION TO ARROWN INDICATES AIMING DIRECTION AND NUMB
6.	RELOCATE EXISTING TOWERS, REMOVE EXISTING HPS LUMINAIRES. NO SALVAGE.	4•	EXISTING HIGH MAST TOWER AND FOUNDATION TO ARROW INDICATES AIMING DIRECTION AND NUMBE
			EXISTING CONTROLLER AND FOUNDATION TO BE R
7.	BREAKDOWN TOWER FOUNDATIONS, REMOVE CABLE IN UNIT DUCT, AND ABANDON EXISTING CONDUIT IN PLACE. BREAKDOWN		EXISTING UNDER GROUND CONDUIT TYPE AND SIZE AS NOTED.
	CONTROLLER FOUNDATION.		EXISTING WIRE IN UNIT DUCT. EXISTING CABLE SHA ABANDONED IN PLACE.
			EXISTING CABLE AND CONDUIT TO REMAIN.

USER NAME = piersonbr	DESIGNED -	REVISED -			F.A.I. BTE	SECTION	COUNTY TOTAL SHEET SHEETS NO.
	DRAWN -	REVISED -	STATE OF ILLINOIS	LIGHTING GENERAL NOTES AND LEGEND	55	(57-4)L	MCLEAN 11 5
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRACT NO. 70E46
PLOT DATE = 12/11/2019	DATE -	REVISED -		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. A	ID PROJECT

<u>G</u>

- 1
- 2.
- 3.
- 4.
- 6.
- 7

EXISTING CABLE AND CONDUIT TO REMAIN.

MAST LUMINAIRES AND NEW FOUNDATION.

TROLLER, 480V, SINGLE PHASE.

SIZE AND LENGTH AS NOTED.

GH MAST LUMINAIRES

W FOUNDATION.

BER OF LUMINAIRES.

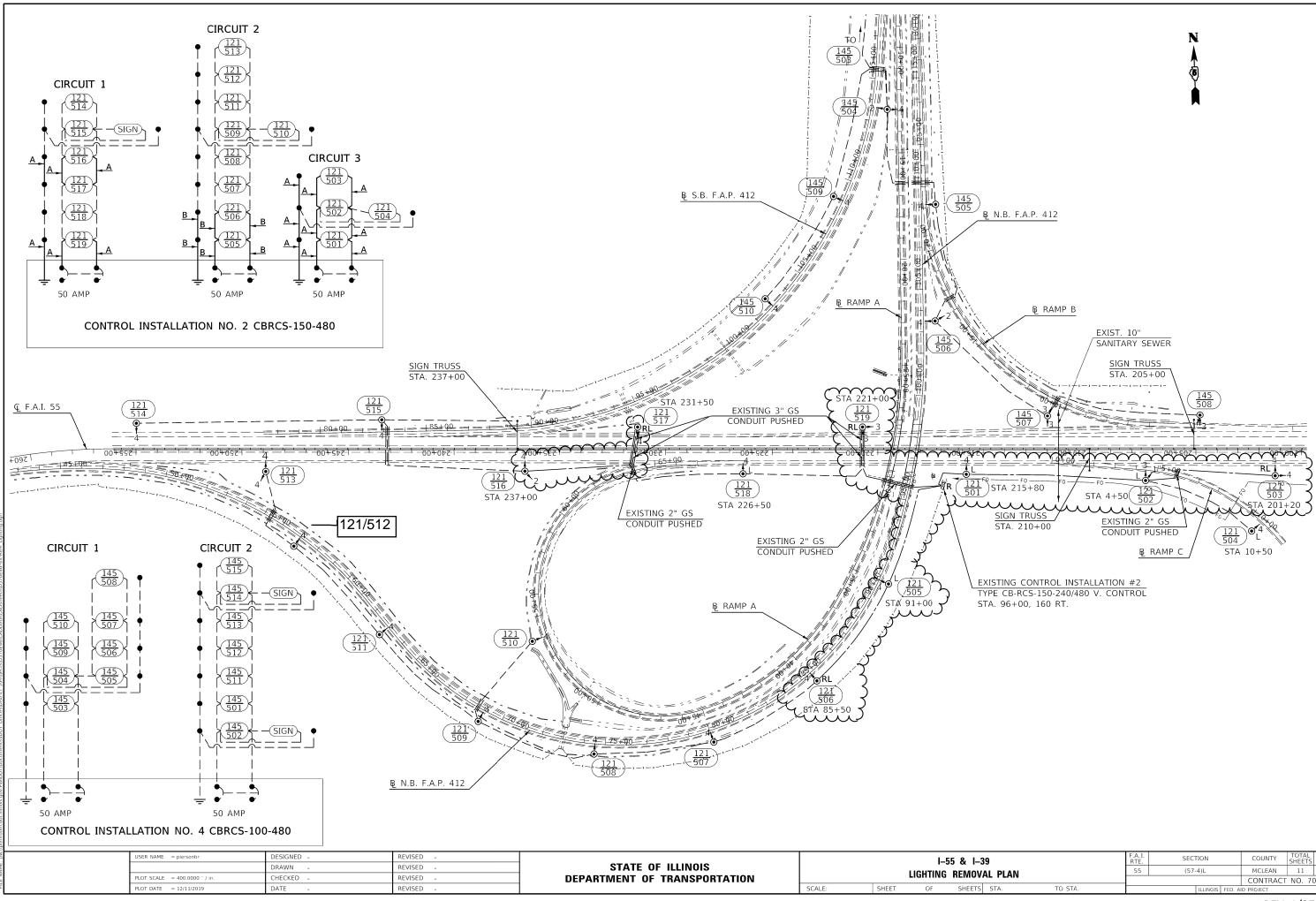
GH MAST LUMINAIRES

TO REMAIN. MBER OF LUMINAIRES.

TO REMAIN. IBER OF LUMINAIRES.

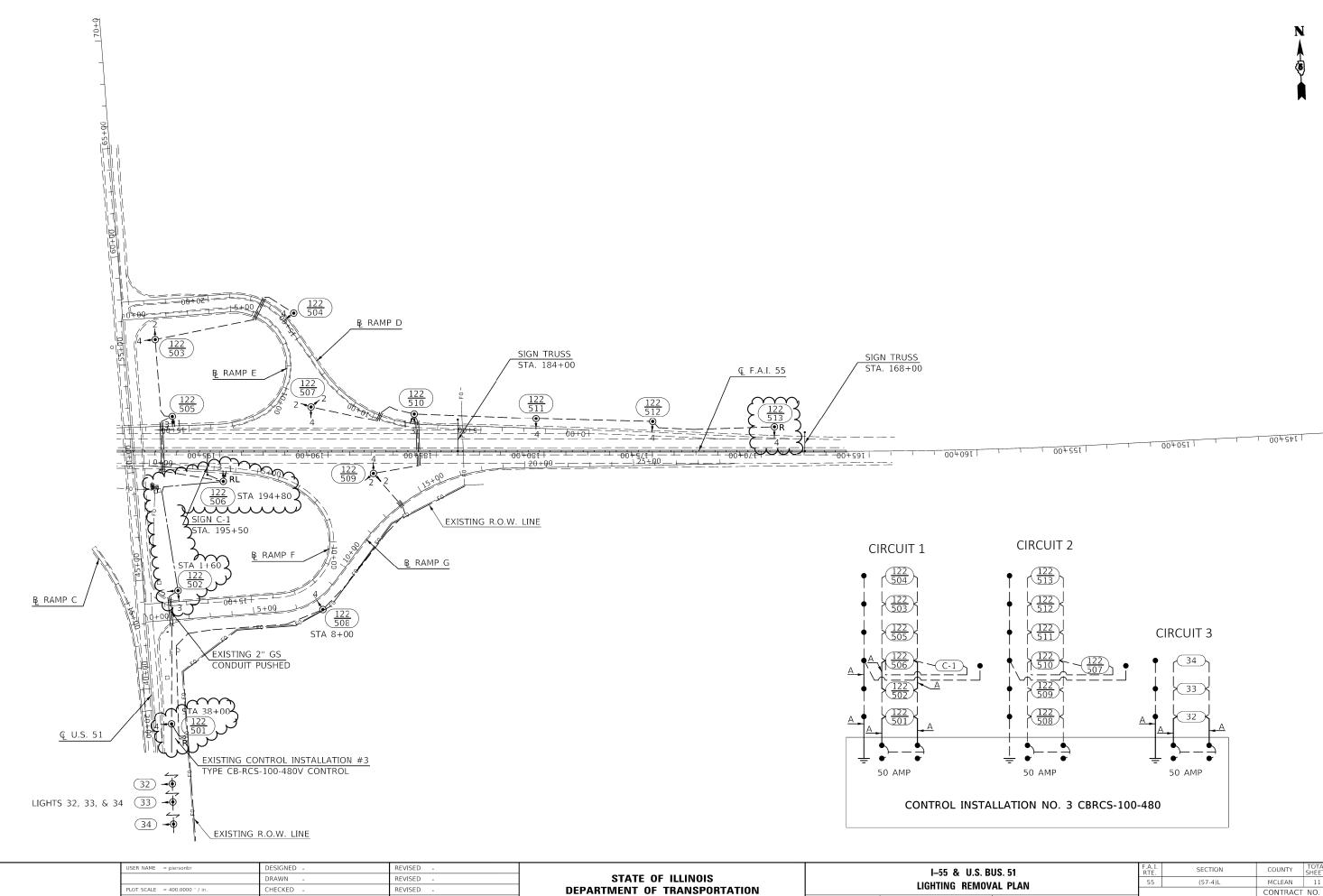
REMOVED.

HALL BE REMOVED AND CONDUIT





-39				l.	SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.
OVAL PLAN			55	55 (57-4)L				MCLEAN	11	6
								CONTRACT	NO. 70	DE46
TS	STA.	TO STA.		ILLINOIS FED. AID PROJECT						



LOT DATE = 12/11/2019

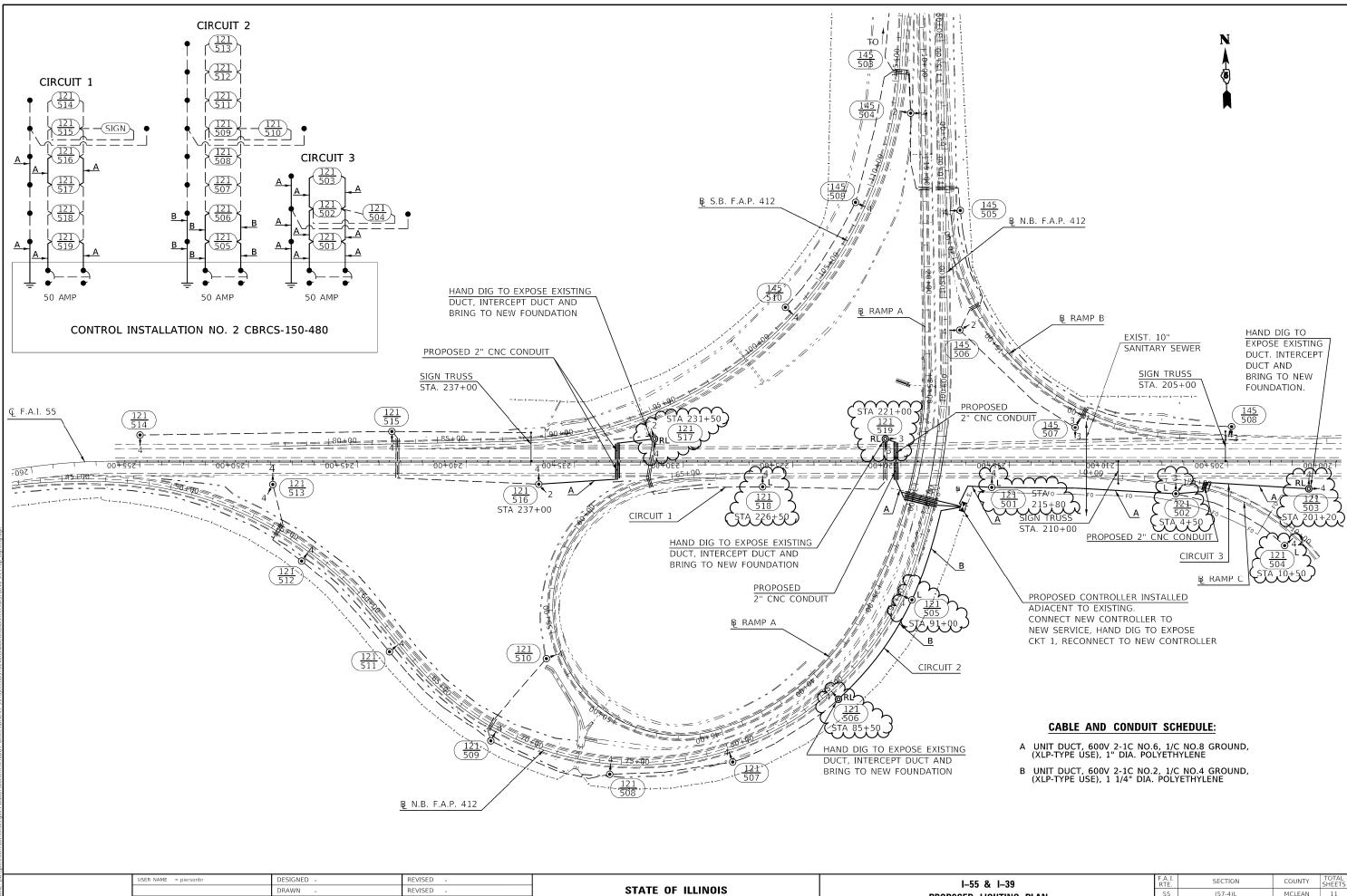
DATE

REVISED

SHEET OF SHEET

SCALE:

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 ↓ 122 508 		32 A			
$ \underbrace{\downarrow}_{50 \text{ AMP}} \underbrace{\bullet}_{50 $	Ť	50 AMP			
ALLATION NO. 3 CBRCS-100-	-480				
BUS. 51	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OVAL PLAN	55	(57-4)L	MCLEAN	11	7
TS STA. TO STA.		ILLINOIS FED. A	CONTRACT	NO. 70)E46
				1/28,	/20



REVISED REVISED REVISED

LOT SCALE = 400.0000 ' / in.

LOT DATE = 12/11/2019

CHECKED

DATE

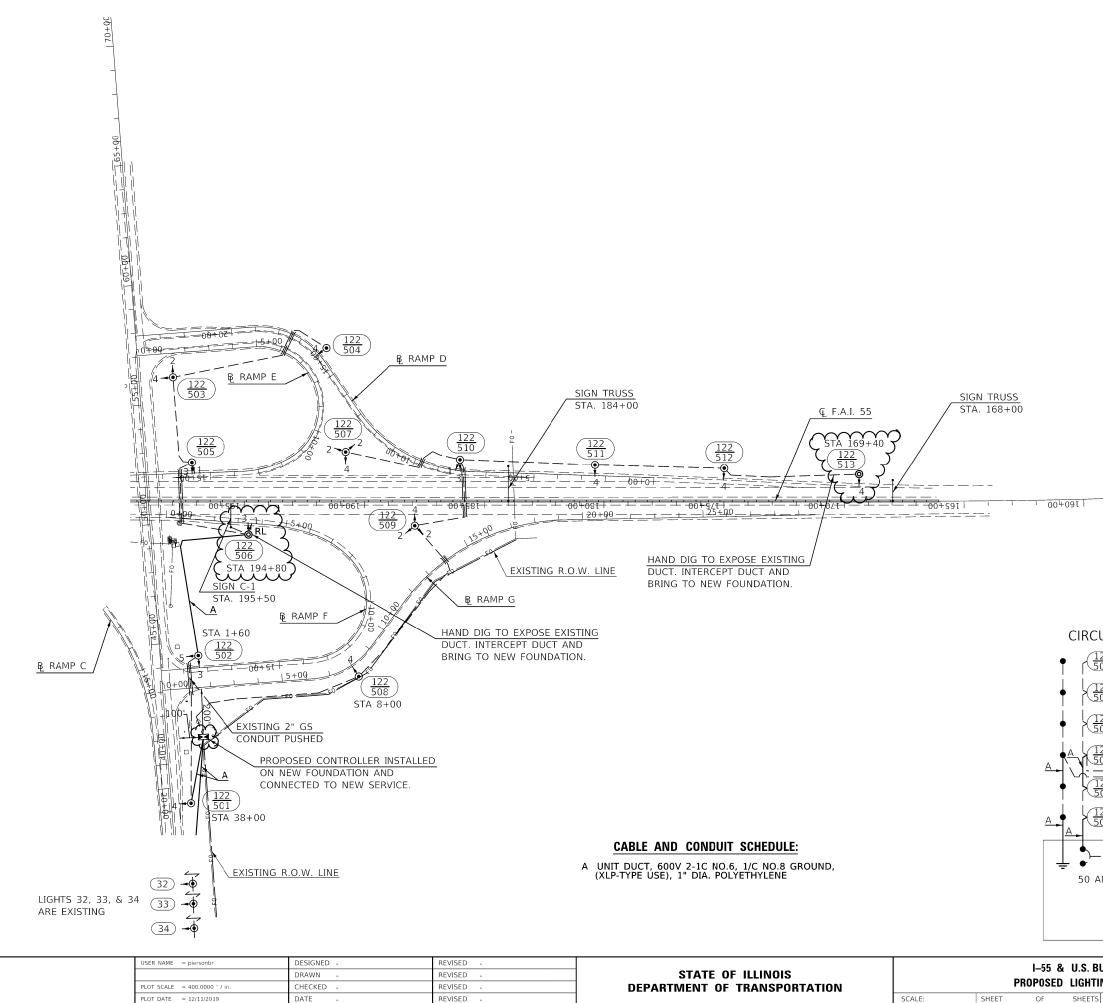
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHT SHEET SHEET OF

SCALE:



-39				F.A.I. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
TING PLAN			55	(57-	4)L		MCLEAN	11	8	
							CONTRACT	NO. 70	DE46	
TS	STA.	TO STA.		ILLINOIS F				ID PROJECT		

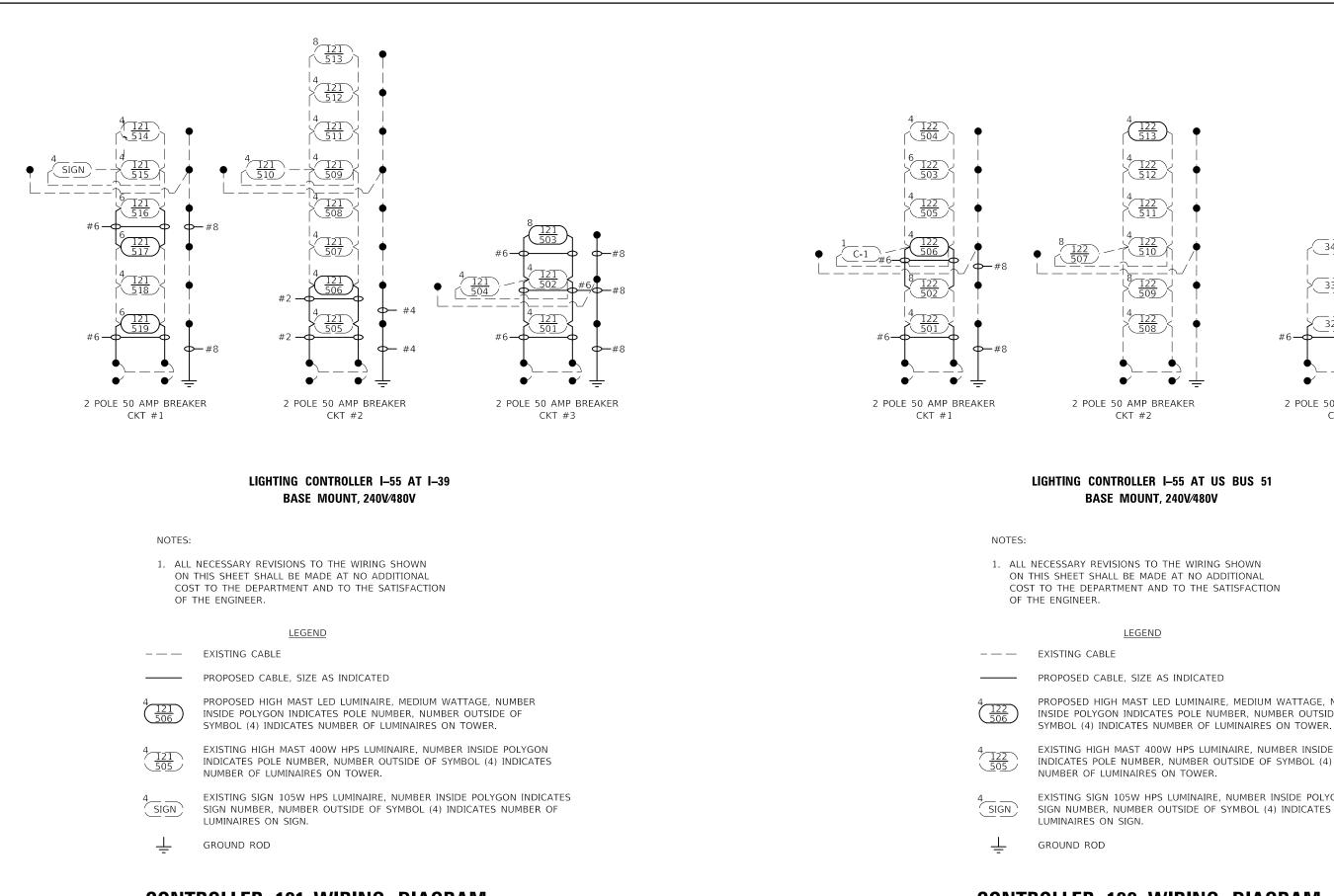


OF SHEETS

	1 004	-OST 1	1 00+S#[]]
UIT 1	CIRCUIT 2		
$\begin{array}{c} 222\\ 203\\ 222\\ 205\\ 205\\ 222\\ 205\\ 205\\ 205\\ 222\\ 202\\ 20$	122 512 512 122 511 122 511 122 510 122 509 122 509 122 509	(<u>122</u>) 507 	CIRCUIT 3 34 33 32 4
CONTROL INSTA		CBRCS-100-48 SECTION (57-4)L	50 AMP
ING PLAN		(57-4)L	CONTRACT NO. 70E46

REV. 1/28/20

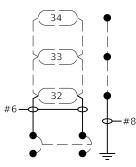
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CONTROLLER 121 WIRING DIAGRAM

CONTROLLER 122 WIRING DIAGRAM

USER NAME = piersonbr	DESIGNED -	REVISED -				WIRING DIA	GRAMS		F.A.I. RTE	SECTION	COUNTY TOTAL SHEET SHEETS NO.
DRAWN - REVISED - STATE OF ILLINOIS	STATE OF ILLINOIS				DRAAL	55	(57-4)L	MCLEAN 11 10			
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	CONTROLLERS 121 & 122 - NORMAL					CONTRACT NO. 70E46		
PLOT DATE = 12/11/2019	DATE -	REVISED -		SCALE: NONE	SHEET 1	OF 1 SHEET	S STA.	TO STA.		ILLINOIS FED. A	ID PROJECT



2 POLE 50 AMP BREAKER

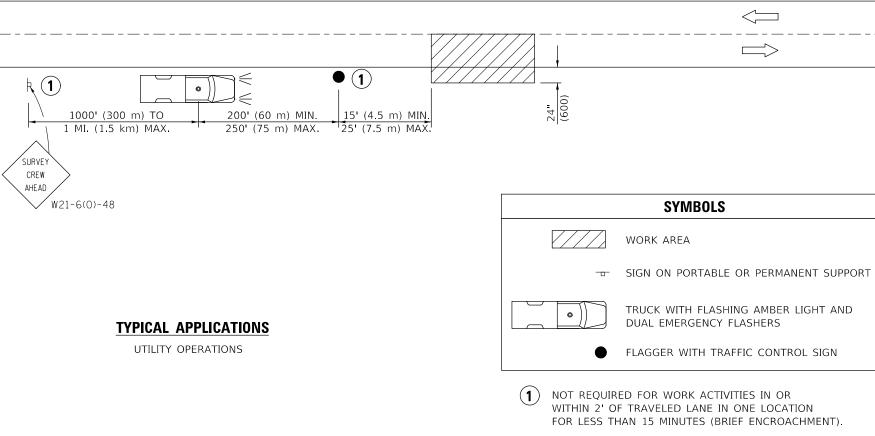
CKT #3

PROPOSED HIGH MAST LED LUMINAIRE, MEDIUM WATTAGE, NUMBER INSIDE POLYGON INDICATES POLE NUMBER, NUMBER OUTSIDE OF

EXISTING HIGH MAST 400W HPS LUMINAIRE, NUMBER INSIDE POLYGON INDICATES POLE NUMBER, NUMBER OUTSIDE OF SYMBOL (4) INDICATES

EXISTING SIGN 105W HPS LUMINAIRE, NUMBER INSIDE POLYGON INDICATES SIGN NUMBER, NUMBER OUTSIDE OF SYMBOL (4) INDICATES NUMBER OF

REV. 1/28/20



							DISTRIC	CT 5 DETAIL	. NO. 70100000
	USER NAME = piersonbr	ersonbr DESIGNED - REVISED - 11/06					F.A.I. RTE	SECTION	COUNTY TOTAL SHEET
		DRAWN -	REVISED -	STATE OF ILLINOIS		NIGHT TIME INSPECTION OF ROADWAY LIGHTING	55	(57-4)L	MCLEAN 11 11
	PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRACT NO. 70E46
	PLOT DATE = 12/11/2019	DATE -	REVISED -		SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED.	AID PROJECT

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.