

069

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-4)L	MCLEAN	11	1
		ILLINOIS	CONTRACT NO. 70E46	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

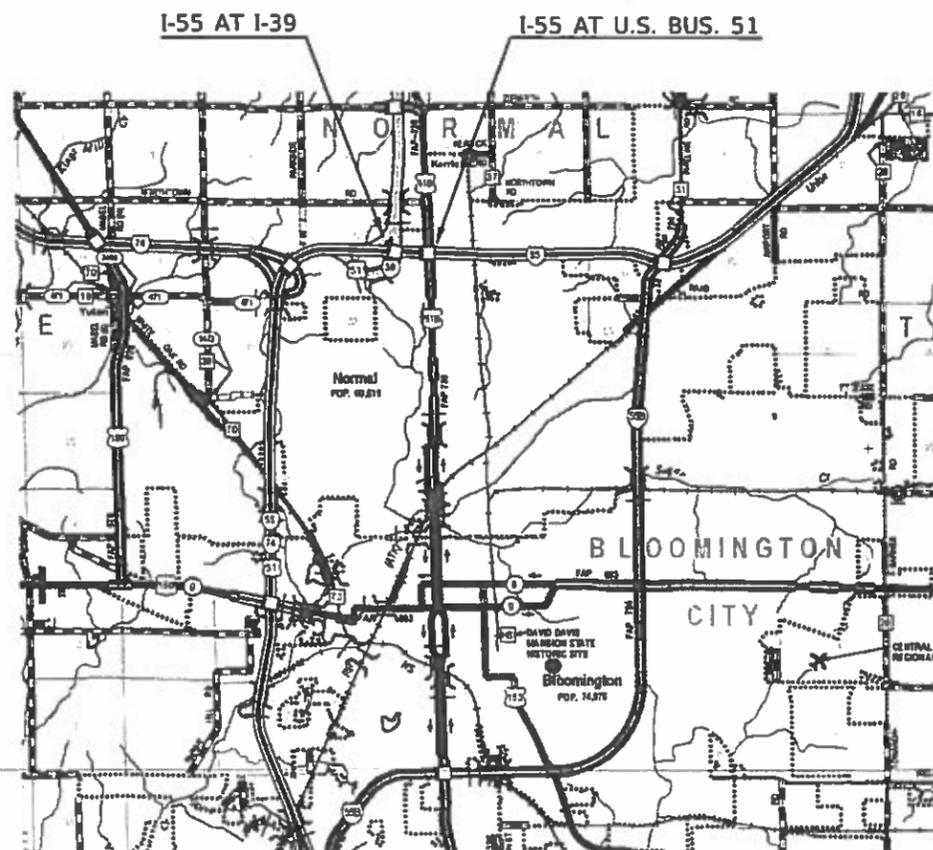
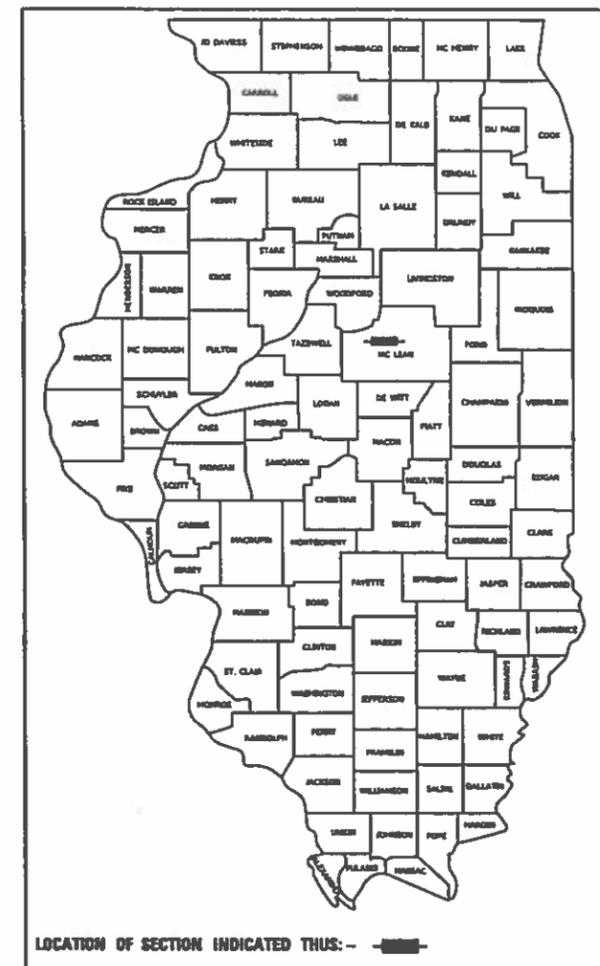
PROPOSED HIGHWAY PLANS

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

C-95-027-20

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

D-95-027-20

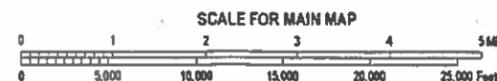


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 11, 2019

Frank A. James
REGIONAL ENGINEER

Jan 31, 2020
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 31, 2020
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

SUMMARY OF QUANTITIES

LOCATION OF WORK:	FAI 55	FAI 55
	URBAN	URBAN
	LIGHTING	LIGHTING
	MCLEAN COUNTY	MCLEAN COUNTY
FUNDING BREAKOUT:	90% FEDERAL	90% FEDERAL
	10% STATE	10% STATE
CONSTRUCTION TYPE CODE:	0021	0021

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 39	(US Bus 51)
67100100	MOBILIZATION	L SUM	1.0	0.50	0.50
70100700	TRAFFIC CONTROL & PROTECTION STANDARD 701406	L SUM	1.0	0.50	0.50
70100825	TRAFFIC CONTROL & PROTECTION STANDARD 701456	L SUM	1.0	0.50	0.50
80300100	LOCATING UNDERGROUND CABLE	FOOT	1,050.0	400.0	650.0
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2.0	1.0	1.0
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	507.0	507.0	0.0
81603040	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	4,763.0	3,014.0	1,749.0
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	0.0
82110015	LUMINAIRE, LED, HIGHMAST, OUTPUT DESIGNATION H	EACH	52.0	44.0	8.0
82500365	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 150AMP	EACH	2.0	1.0	1.0

MODEL: \$MODELNAME\$
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PLOT DATE = 12/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-4)L	MCLEAN	11	3
CONTRACT NO. 70E46				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

LOCATION OF WORK :	FAI 55	FAI 55
	URBAN	URBAN
	LIGHTING	LIGHTING
	MCLEAN COUNTY	MCLEAN COUNTY
FUNDING BREAKOUT :	90% FEDERAL	90% FEDERAL
	10% STATE	10% STATE
CONSTRUCTION TYPE CODE :	0021	0021

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 39	(US Bils 51)
83502300	LIGHT TOWER, 100 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 4	EACH	1.0	0.0	1.0
83700300	LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	99.0	66.0	33.0
84400205	RELOCATE EXISTING LIGHT TOWER	EACH	5.0	4.0	1.0
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	2.0	1.0	1.0
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	2.0	1.0	1.0
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	2.0	1.0	1.0
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5,790.0	4,222.0	1,568.0
X1400273	REMOVAL OF EXISTING TOWER LUMINAIRE, NO SALVAGE	EACH	52.0	44.0	8.0
X8420500	REMOVAL OF LIGHT TOWER, SALVAGE	EACH	1.0	0.0	1.0
X8420510	REMOVAL OF TOWER FOUNDATION	EACH	6.0	4.0	2.0

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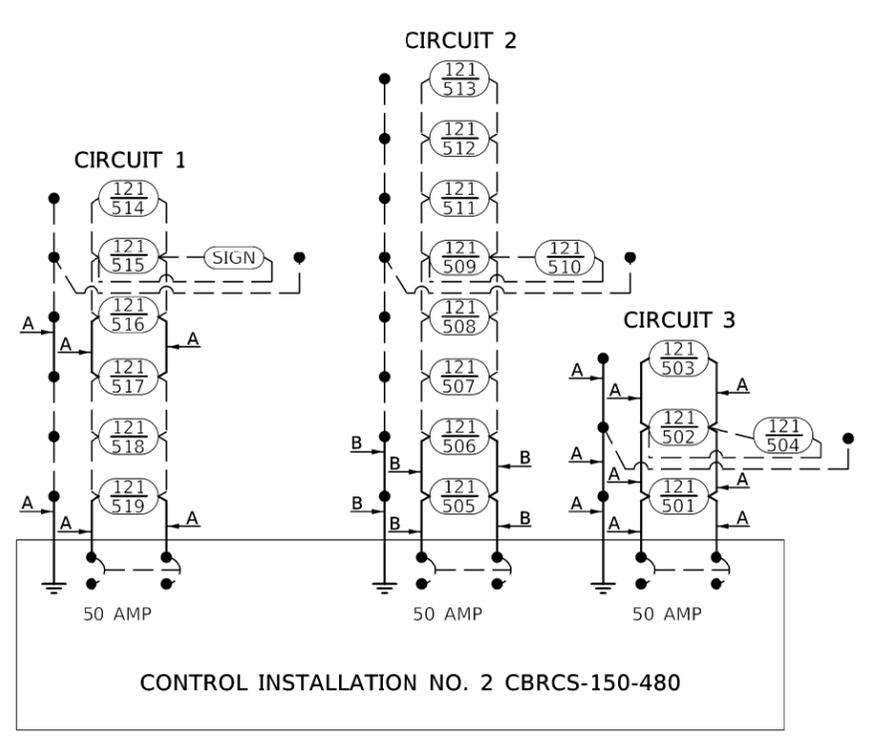
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

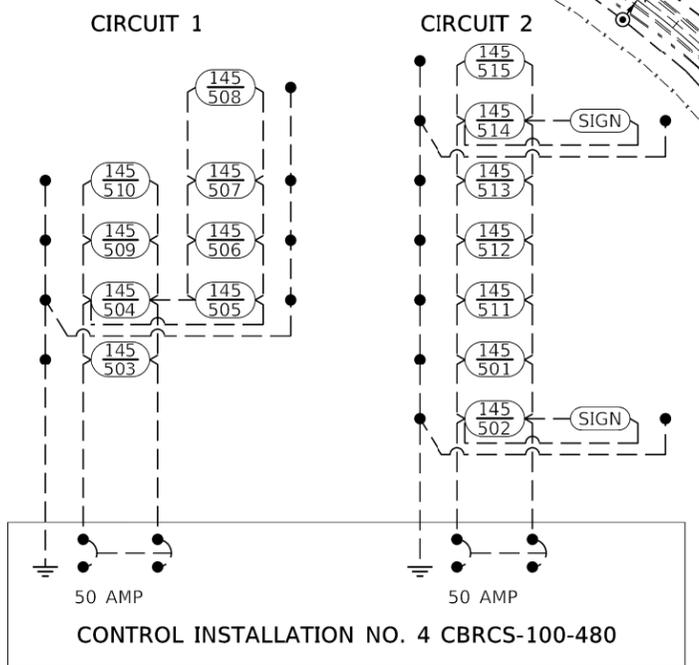
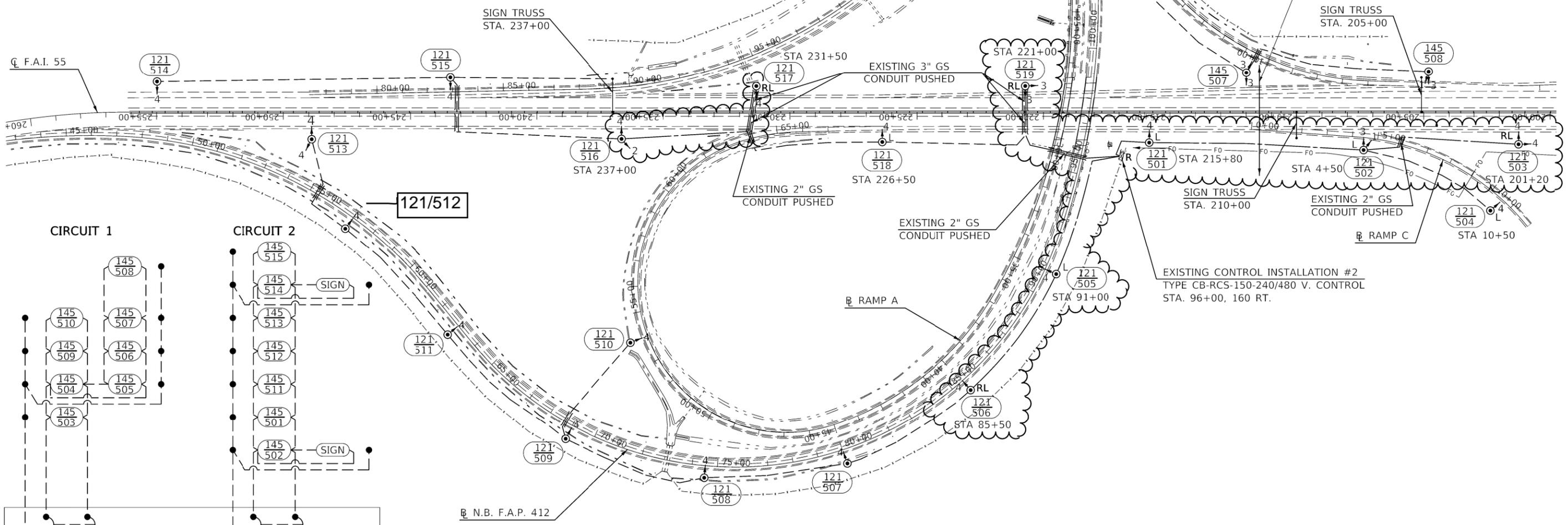
SUMMARY OF QUANTITIES

SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-4)L	MCLEAN	11	4
			CONTRACT NO. 70E46	
ILLINOIS FED. AID PROJECT				



CONTROL INSTALLATION NO. 2 CBRCS-150-480



CONTROL INSTALLATION NO. 4 CBRCS-100-480

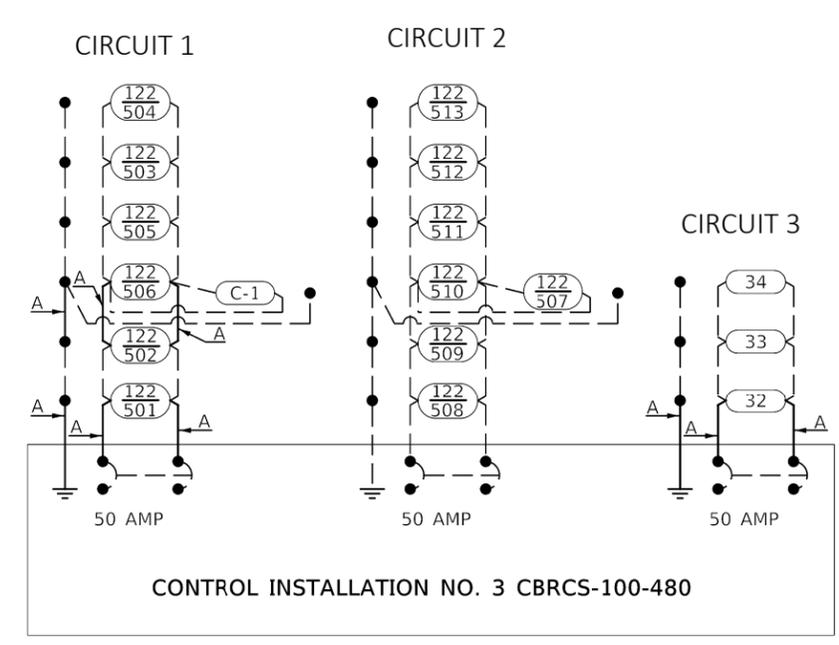
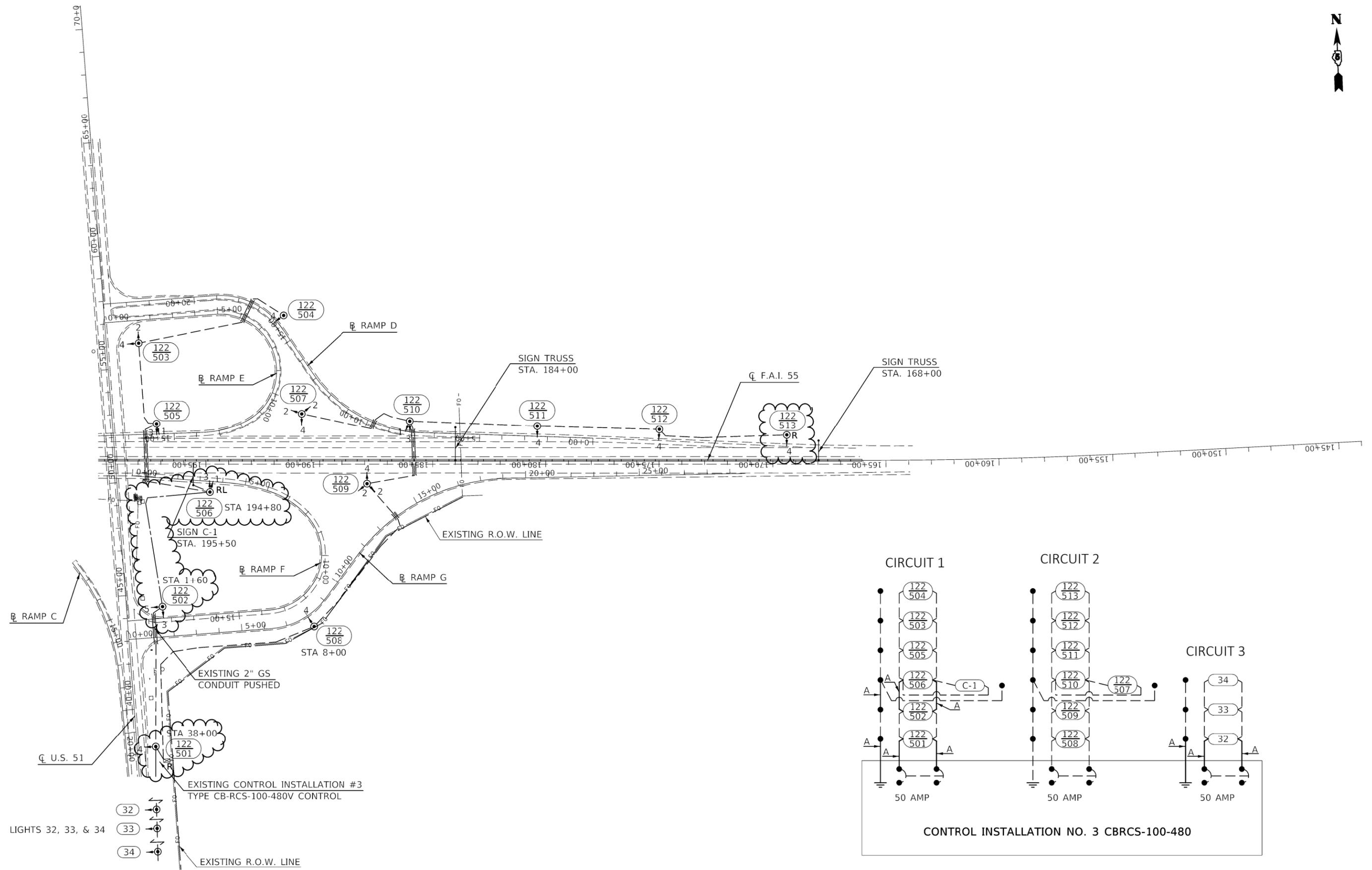
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DRAWN -	REVISED -	REVISED -
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PLOT DATE = 12/11/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 & I-39 LIGHTING REMOVAL PLAN	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-4)L	MCLEAN	11	6
CONTRACT NO. 70E46			ILLINOIS FED. AID PROJECT	



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 DATE: 12/11/2019

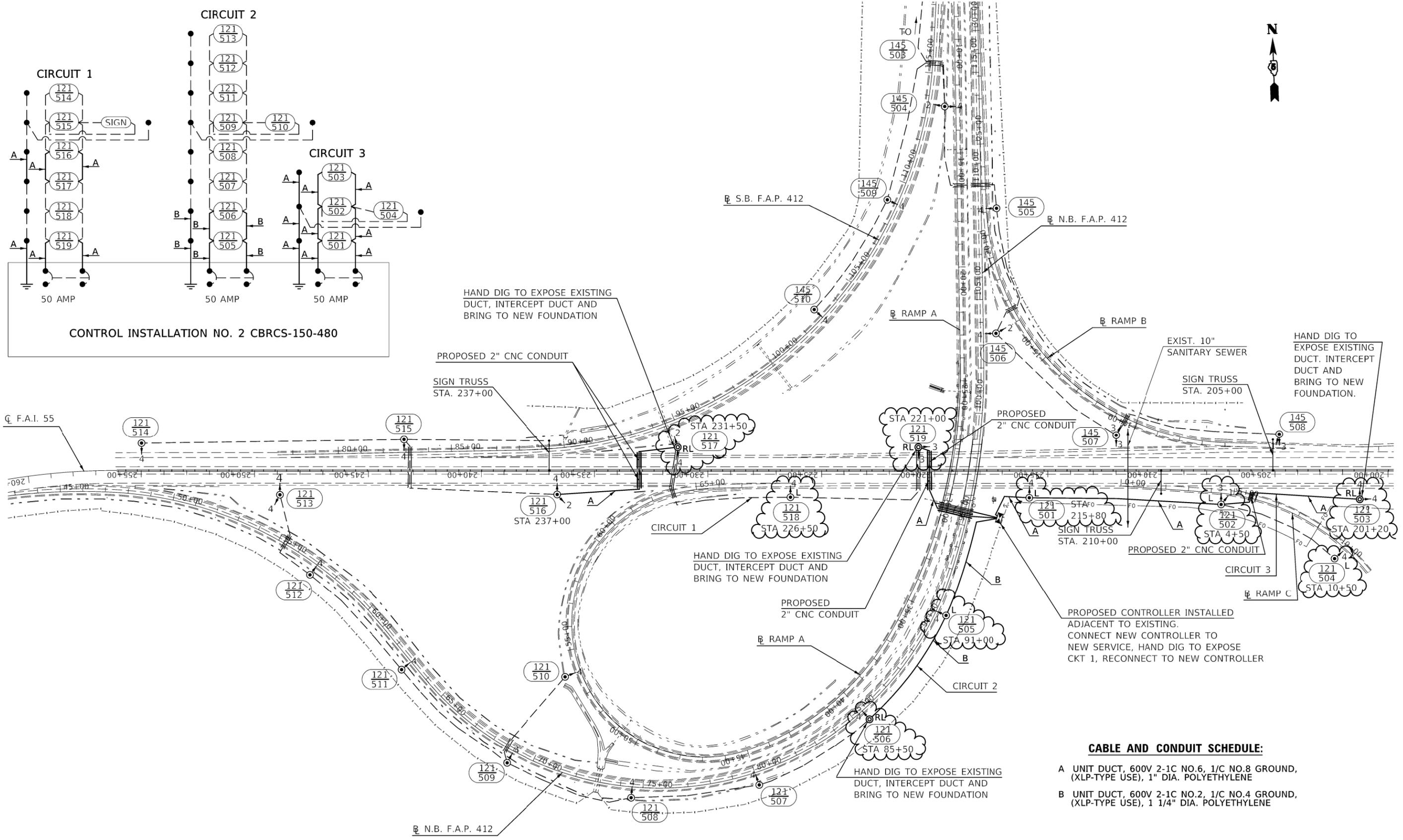
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PLOT DATE = 12/11/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 & U.S. BUS. 51
LIGHTING REMOVAL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-4)L	MCLEAN	11	7
CONTRACT NO. 70E46			ILLINOIS FED. AID PROJECT	



- CABLE AND CONDUIT SCHEDULE:**
- A UNIT DUCT, 600V 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
 - B UNIT DUCT, 600V 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE

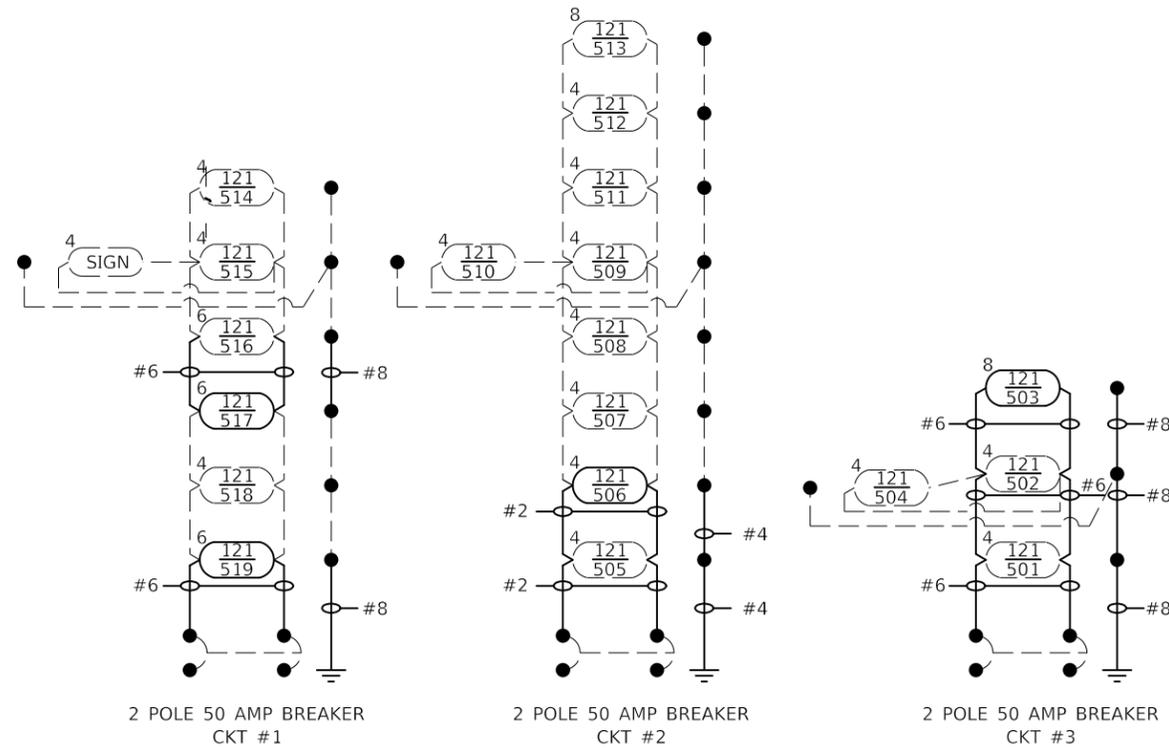
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PLOT DATE = 12/11/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 & I-39	
PROPOSED LIGHTING PLAN	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-4)L	MCLEAN	11	8
CONTRACT NO. 70E46				
ILLINOIS FED. AID PROJECT				



**LIGHTING CONTROLLER I-55 AT I-39
BASE MOUNT, 240V/480V**

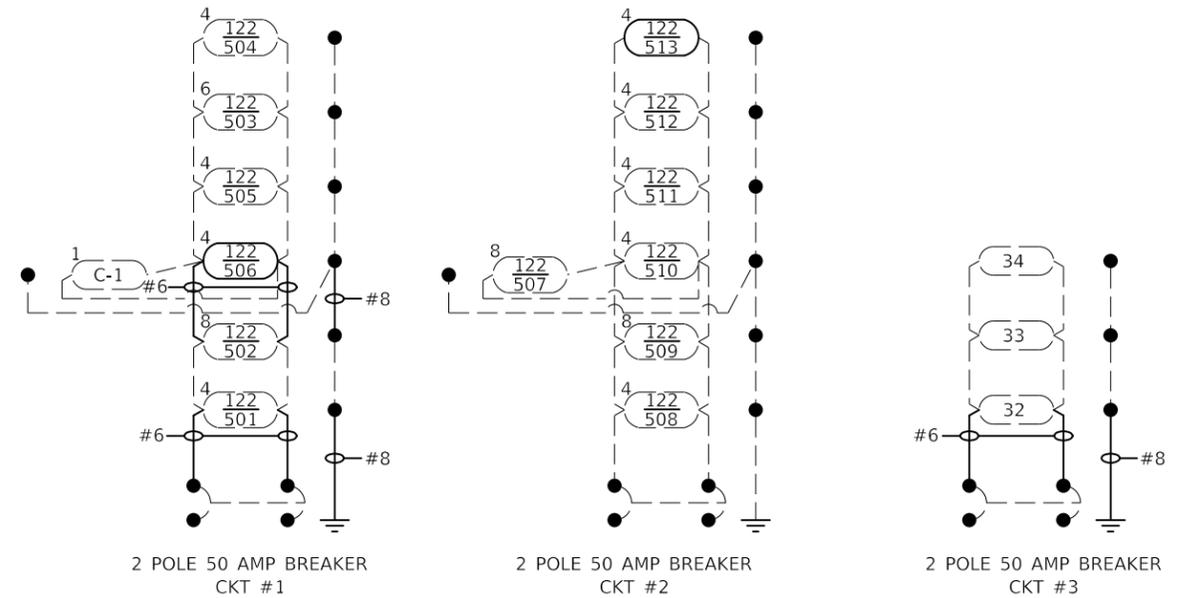
NOTES:

1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.

LEGEND

- EXISTING CABLE
- PROPOSED CABLE, SIZE AS INDICATED
- 4 $\frac{121}{506}$ PROPOSED HIGH MAST LED LUMINAIRE, MEDIUM WATTAGE, NUMBER INSIDE POLYGON INDICATES POLE NUMBER, NUMBER OUTSIDE OF SYMBOL (4) INDICATES NUMBER OF LUMINAIRES ON TOWER.
- 4 $\frac{121}{505}$ EXISTING HIGH MAST 400W HPS LUMINAIRE, NUMBER INSIDE POLYGON INDICATES POLE NUMBER, NUMBER OUTSIDE OF SYMBOL (4) INDICATES NUMBER OF LUMINAIRES ON TOWER.
- 4 $\frac{SIGN}{}$ EXISTING SIGN 105W HPS LUMINAIRE, NUMBER INSIDE POLYGON INDICATES SIGN NUMBER, NUMBER OUTSIDE OF SYMBOL (4) INDICATES NUMBER OF LUMINAIRES ON SIGN.
- \perp GROUND ROD

CONTROLLER 121 WIRING DIAGRAM



**LIGHTING CONTROLLER I-55 AT US BUS 51
BASE MOUNT, 240V/480V**

NOTES:

1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.

LEGEND

- EXISTING CABLE
- PROPOSED CABLE, SIZE AS INDICATED
- 4 $\frac{122}{506}$ PROPOSED HIGH MAST LED LUMINAIRE, MEDIUM WATTAGE, NUMBER INSIDE POLYGON INDICATES POLE NUMBER, NUMBER OUTSIDE OF SYMBOL (4) INDICATES NUMBER OF LUMINAIRES ON TOWER.
- 4 $\frac{122}{505}$ EXISTING HIGH MAST 400W HPS LUMINAIRE, NUMBER INSIDE POLYGON INDICATES POLE NUMBER, NUMBER OUTSIDE OF SYMBOL (4) INDICATES NUMBER OF LUMINAIRES ON TOWER.
- 4 $\frac{SIGN}{}$ EXISTING SIGN 105W HPS LUMINAIRE, NUMBER INSIDE POLYGON INDICATES SIGN NUMBER, NUMBER OUTSIDE OF SYMBOL (4) INDICATES NUMBER OF LUMINAIRES ON SIGN.
- \perp GROUND ROD

CONTROLLER 122 WIRING DIAGRAM

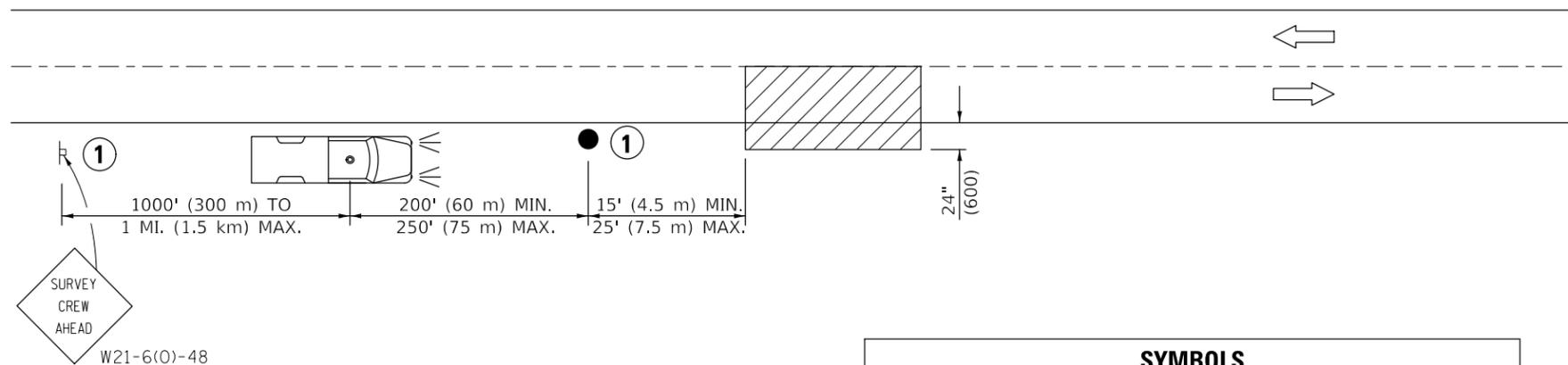
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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WIRING DIAGRAMS			
CONTROLLERS 121 & 122 - NORMAL			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-4)L	MCLEAN	11	10
CONTRACT NO. 70E46				
ILLINOIS FED. AID PROJECT				



TYPICAL APPLICATIONS
UTILITY OPERATIONS

SYMBOLS	
	WORK AREA
	SIGN ON PORTABLE OR PERMANENT SUPPORT
	TRUCK WITH FLASHING AMBER LIGHT AND DUAL EMERGENCY FLASHERS
	FLAGGER WITH TRAFFIC CONTROL SIGN

① NOT REQUIRED FOR WORK ACTIVITIES IN OR WITHIN 2' OF TRAVELED LANE IN ONE LOCATION FOR LESS THAN 15 MINUTES (BRIEF ENCROACHMENT).

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

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 CHECKED: piersonbr
 DATE: 12/11/2019

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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NIGHT TIME INSPECTION OF ROADWAY LIGHTING

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 70100000				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-4)L	MCLEAN	11	11
CONTRACT NO. 70E46				
ILLINOIS FED. AID PROJECT				