

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

## TRAFFIC DATA

**IL 50 (CICERO AVENUE): PRINCIPAL ARTERIAL  
POSTED SPEED = 35 MPH  
2023 ADT: 36,300 - 42,200**

<p>SHEETS 1 - 4</p> <p>STRAND ASSOCIATES, INC. RYAN R. SMITH, P.E.</p>  <p>DATE: <u>12/17/2025</u> EXP: <u>11/30/2027</u></p>	<p>SHEETS 5 - 18</p> <p>STRAND ASSOCIATES, INC. ANDREW R. RUNDE, P.E.</p>  <p>DATE: <u>12/17/2025</u> EXP: <u>11/30/2027</u></p>
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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 EXCAVATION  
1-800-892-0123  
OR 811

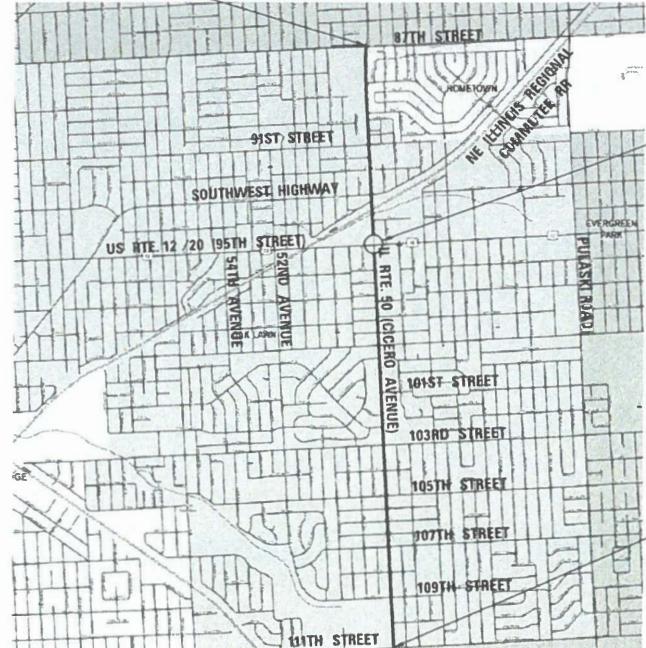
## CONTRACT NO. 61M20

**FAP ROUTE 350  
IL ROUTE 50 (CICERO AVENUE)  
87TH STREET TO 111TH STREET  
LED REPLACEMENT PROJECT  
SECTION 24-00199-00-LT  
PROJECT NO. M5S0(316)  
VILLAGE OF OAK LAWN  
COOK COUNTY**

**BEGIN IMPROVEMENT  
87TH STREET**

C-91-195-25  
RANGE 9 E, 3rd P.M.

TWP. 34 N



## LOCATION MAP

NOT TO SCALE

— PROJECT OMISSION AT  
THE INTERSECTION OF  
US 12 / 20 (95TH STREET)

**END IMPROVEMENT  
111TH STREET**

**GROSS LENGTH = 3.02 MILE = 15,945 FEET**  
**NET LENGTH = 2.97 MILE = 15,670 FEET**

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OF THE STATE OF ILLINOIS



## INDEX OF SHEETS

### SHEET NO. DESCRIPTION

1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS, STANDARDS, AND MAINTAINANCE OF TRAFFIC NOTES
3	SUMMARY OF QUANTITIES
4	EXISTING AND PROPOSED TYPICAL SECTION
5 - 16	REMOVAL AND PROPOSED LIGHTING DRAWINGS
17 - 18	DISTRICT 1 STANDARDS

## HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS $\leq$ 40 MPH
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES

## DISTRICT ONE STANDARDS

BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISCELLANEOUS ELECTRICAL DETAILS, SHEET A - (CABLE SPLICE, POLE WIRING, TRENCH DETAIL)

## GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (STANDARD SPECIFICATIONS) ADOPTED JANUARY 1, 2022, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JAN. 1, 2026, THE DETAILS IN THESE PLANS, AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL NOTIFY OAK LAWN PUBLIC WORKS (708-499-7756) AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE IDOT ARTERIAL DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

4. LOCATIONS OF LIGHT POLES SHOWN ON THESE DRAWINGS IS APPROXIMATE BASED ON A LIMITED AMOUNT OF AS-BUILT DRAWINGS, AERIAL PHOTOGRAPHY, STREETVIEW PHOTOGRAPHY, AND GIS INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN THE EXISTING LIGHTING CONTROLLER LOCATIONS AND BRANCH CIRCUITRY IN ORDER TO COMPLETE THIS WORK. THE CONTRACTOR SHALL COORDINATE WITH THE VILLAGE OF OAK LAWN PUBLIC WORKS TO REQUEST AVAILABLE RECORD DRAWINGS AND FOR ADDITIONAL INFORMATION ABOUT THE LIGHTING SYSTEM.

5. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS, BUSINESS OWNERS, AND THE VILLAGE OF OAK LAWN WHEN ACCESS TO SIDEWALKS, CURB RAMPS, DRIVEWAYS, AND BUSINESSES WILL BE TEMPORARILY CLOSED DUE TO THE LED LUMINAIRE REPLACEMENT.

6. CONTRACTOR SHALL COORDINATE WORK SUCH THAT ACCESS IS MAINTAINED FOR OPERATIONS OF PACE TRANSIT AND BUS SERVICES

7. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.

8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL THE DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

9. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

10. UPON COMPLETION OF THIS CONTRACT, THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF RECORD DRAWINGS TO THE VILLAGE OF OAK LAWN. THE RECORD DRAWINGS SHALL BE COMPLETED IN ACCORDANCE WITH ACCORDING TO SECTION 801.16 OF THE STANDARD SPECIFICATIONS. EXISTING INVENTORY AND CIRCUITING SHALL BE NOTED ON A COPY OF THE CONTRACT DRAWINGS.

11. ALL EXISTING HPS LUMINAIRES WHICH ARE BEING REMOVED SHALL BE SALVAGED TO THE VILLAGE OF OAK LAWN. CONTACT THE PUBLIC WORKS DEPARTMENT TO COORDINATE THE DELIVERY OF THE HPS LUMINAIRES.

12. IDOT DISTRICT ONE MAINTENANCE STAFF SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF REPLACEMENT OF LUMINAIRES THAT ARE ATTACHED TO AN IDOT MAINTAINED COMBINATION TRAFFIC SIGNAL MAST ARMS.

13. ALL LUMINAIRES SHALL BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS NOTED OTHERWISE OR DIRECTED BY THE ENGINEER. THE LUMINAIRES MAY REQUIRE NIGHT-TIME OPTICAL ADJUSTMENT UPON INSPECTION BY THE ENGINEER.

14. SPLICING OF CONDUCTORS SHALL BE IN POLE BASES OR ABOVE-GRADE WEATHER TIGHT JUNCTION BOXES ONLY. SPLICES BELOW GRADE WILL NOT BE PERMITTED.

15. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY REQUIRED PERMITS AND COORDINATE WORK IN CLOSE PROXIMITY TO ANY EXISTING AERIAL PRIVATE UTILITY LINES.

## MAINTENANCE OF TRAFFIC

### GENERAL NOTES

MAINTENANCE OF TRAFFIC PLAN DESCRIBED IS A SUGGESTED GUIDE FOR DIVERSION OF TRAFFIC DURING THE EXECUTION OF THIS CONTRACT. ANY REQUESTED CHANGES TO THE PLAN SHALL BE SUBMITTED TO THE ENGINEER 48 HOURS IN ADVANCE OF ANY IMPLEMENTATION.

THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES AND SIDE ROADS DURING CONSTRUCTION OPERATIONS. AT THE END OF EACH WORK DAY TRAFFIC CONTROL SHALL BE REMOVED AND TRAFFIC RETURNED TO EXISTING OPERATIONS.

THE CONTRACTOR SHALL COORDINATE WORK FOR REPLACEMENT OF LUMINAIRES THAT ARE ATTACHED TO AN IDOT COMBINATION TRAFFIC SIGNAL MAST ARMS SUCH THAT EACH EXISTING TRAFFIC SIGNAL SHALL ONLY BE IMPACTED ONCE.

THE CONTRACTOR SHALL COORDINATE TO ENSURE AT NO TIME SHALL THE ROADWAY BE LEFT UNTIL DURING NIGHT-TIME HOURS.

### STAGE 1:

REPLACE EXISTING HPS LUMINAIRES ON EXISTING LIGHT POLES WITH A PROPOSED LED LUMINAIRE AS NOTED ON THE DRAWINGS ALONG THE EAST SIDE OF IL 50 (CICERO AVENUE). CLOSE LANES USING STANDARDS 701101-05, 701427-05, 701602-10, 701701-10, AND 701801-06 SUCH THAT WORK TO REPLACE EXISTING LUMINAIRE DOES NOT OCCUR ABOVE ACTIVE LANES.

### STAGE 2:

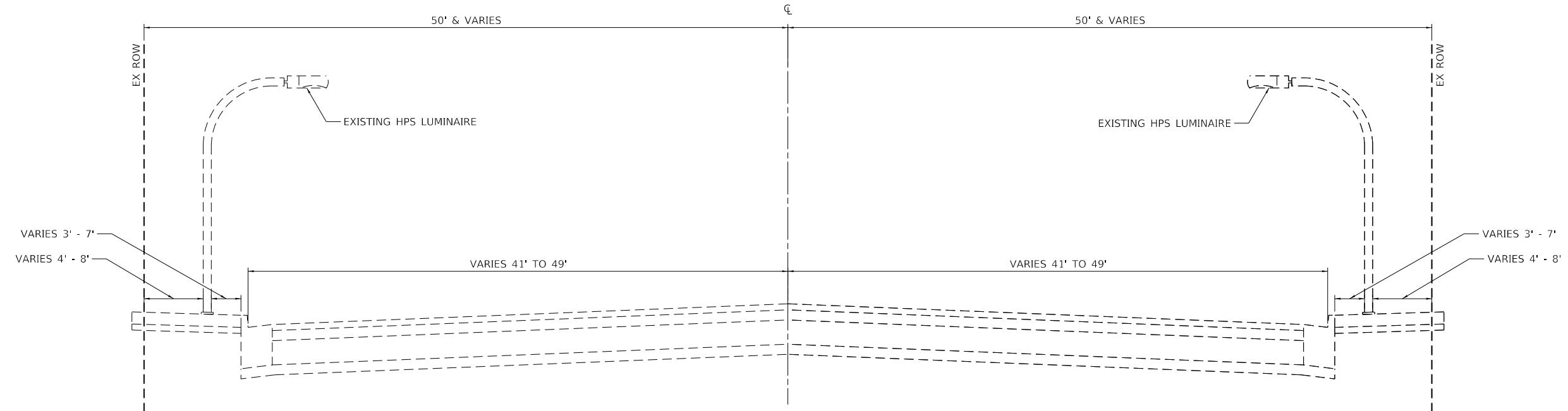
REPLACE EXISTING HPS LUMINAIRES ON EXISTING LIGHT POLES WITH A PROPOSED LED LUMINAIRE AS NOTED ON THE DRAWINGS ALONG THE WEST SIDE OF IL 50 (CICERO AVENUE). CLOSE LANES USING STANDARDS 701101-05, 701427-05, 701602-10, 701701-10, AND 701801-06 SUCH THAT WORK TO REPLACE EXISTING LUMINAIRE DOES NOT OCCUR ABOVE ACTIVE LANES.

## PHASE I COMMITMENTS

NONE.

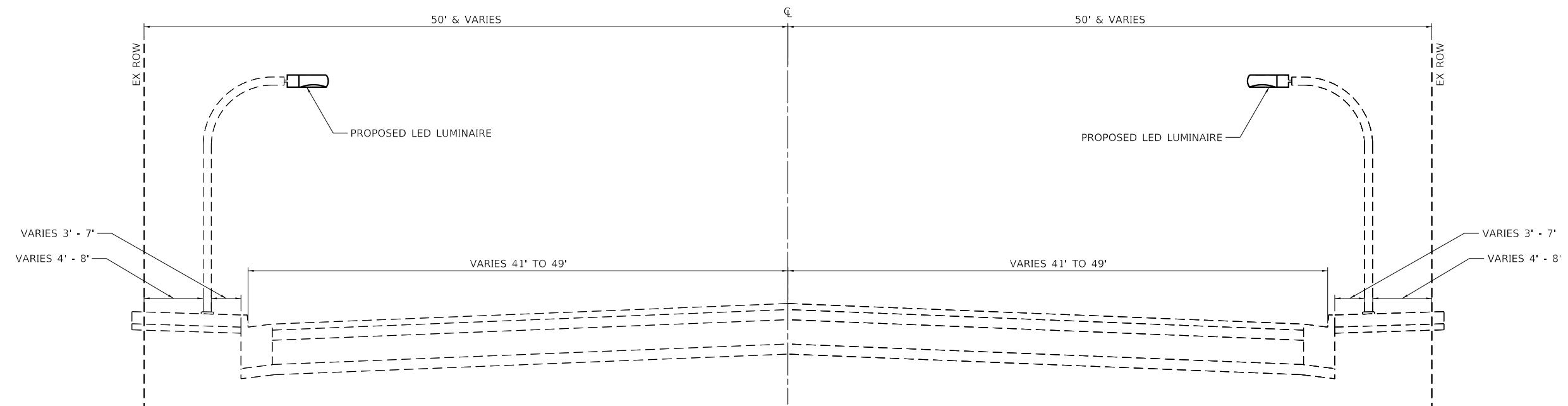
CONSTRUCTION CODE				
STREET LIGHTING 0021				
80% FED. 20% STATE				
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN
67100100	MOBILIZATION	L SUM	1	1
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	7	7
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	2
X1400238	LUMINAIRE, LED, SPECIAL	EACH	279	279
X1400267	REMOVAL OF LIGHTING LUMINAIRE, NO SALVAGE	EACH	7	7
X8000003	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	3	3
X8420104	REMOVAL OF LUMINAIRE, SALVAGE, ROADWAY	EACH	279	279
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	286	286

\* DENOTES SPECIALTY ITEM



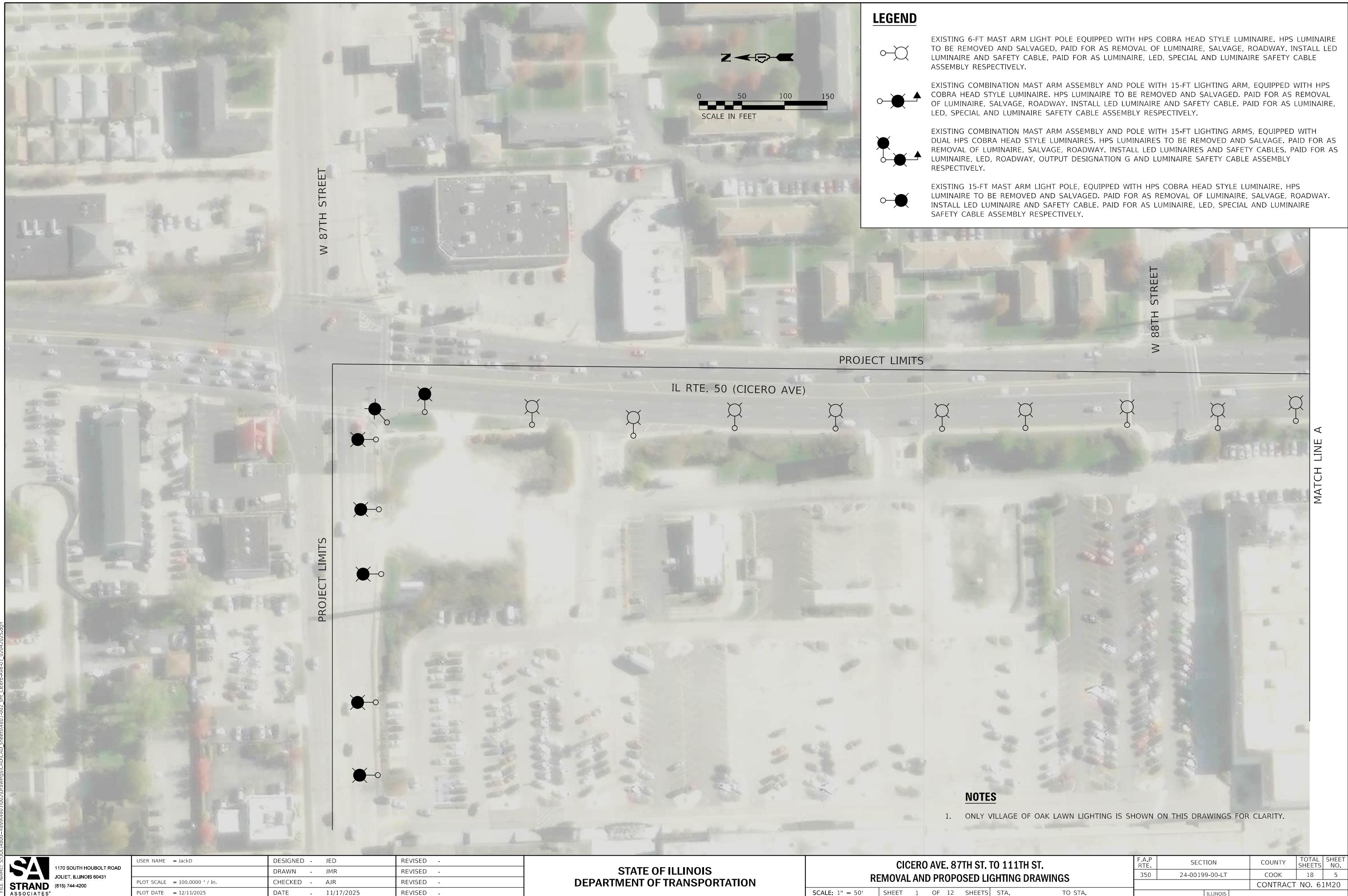
### EXISTING TYPICAL SECTION

IL ROUTE 50 (CICERO AVENUE)  
FROM 87TH STREET TO 111TH STREET



### PROPOSED TYPICAL SECTION

IL ROUTE 50 (CICERO AVENUE)  
FROM 87TH STREET TO 111TH STREET



**LEGEND**

EXISTING 6-FT MAST ARM LIGHT POLE EQUIPPED WITH HPS COBRA HEAD STYLE LUMINAIRE. HPS LUMINAIRE TO BE REMOVED AND SALVAGED. PAID FOR AS REMOVAL OF LUMINAIRE, SALVAGE, ROADWAY. INSTALL LED LUMINAIRE AND SAFETY CABLE. PAID FOR AS LUMINAIRE, LED, SPECIAL AND LUMINAIRE SAFETY CABLE ASSEMBLY RESPECTIVELY.



EXISTING COMBINATION MAST ARM ASSEMBLY AND POLE WITH 15-FT LIGHTING ARM, EQUIPPED WITH HPS COBRA HEAD STYLE LUMINAIRE. HPS LUMINAIRE TO BE REMOVED AND SALVAGED. PAID FOR AS REMOVAL OF LUMINAIRE, SALVAGE, ROADWAY. INSTALL LED LUMINAIRE AND SAFETY CABLE. PAID FOR AS LUMINAIRE, LED, SPECIAL AND LUMINAIRE SAFETY CABLE ASSEMBLY RESPECTIVELY.



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SCALE IN FEET

**NOTES**

- ONLY VILLAGE OF OAK LAWN LIGHTING IS SHOWN ON THIS DRAWINGS FOR CLARITY.

**LEGEND**


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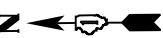
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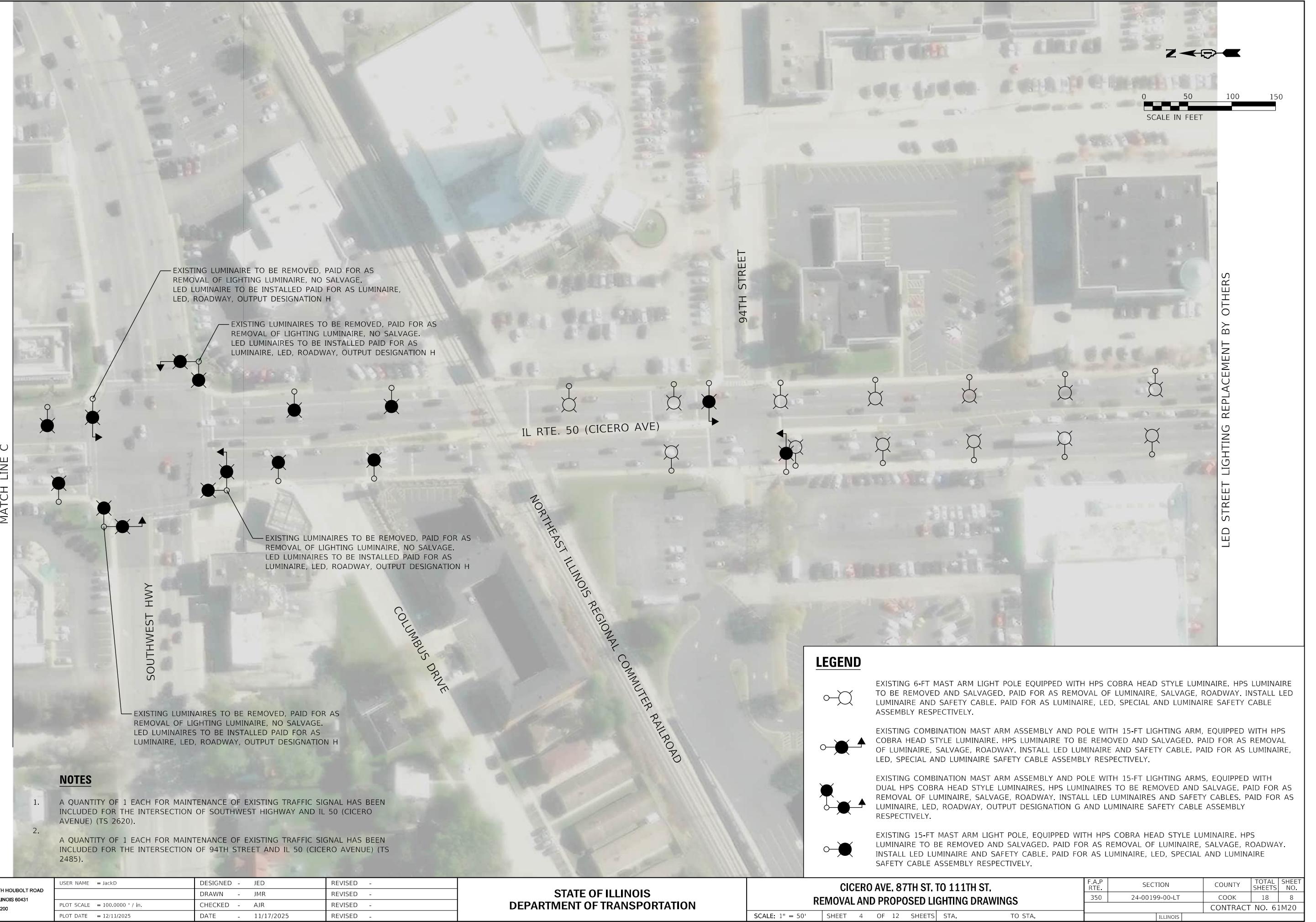


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## LEGEND



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EXISTING 15-Ft MAST ARM LIGHT POLE, EQUIPPED WITH HPS COBRA HEAD STYLE LUMINAIRE. HPS LUMINAIRE TO BE REMOVED AND SALVAGED. PAID FOR AS REMOVAL OF LUMINAIRE, SALVAGE, ROADWAY. INSTALL LED LUMINAIRE AND SAFETY CABLE. PAID FOR AS LUMINAIRE, LED, SPECIAL AND LUMINAIRE SAFETY CABLE ASSEMBLY RESPECTIVELY.



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## LED STREET LIGHTING REPLACEMENT BY OTHERS

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**LEGEND**

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MATCH LINE D

98TH STREET

98TH PLACE

99TH STREET

IL RTE. 50 (CICERO AVE)

MATCH LINE E



**LEGEND**


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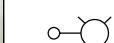


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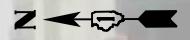
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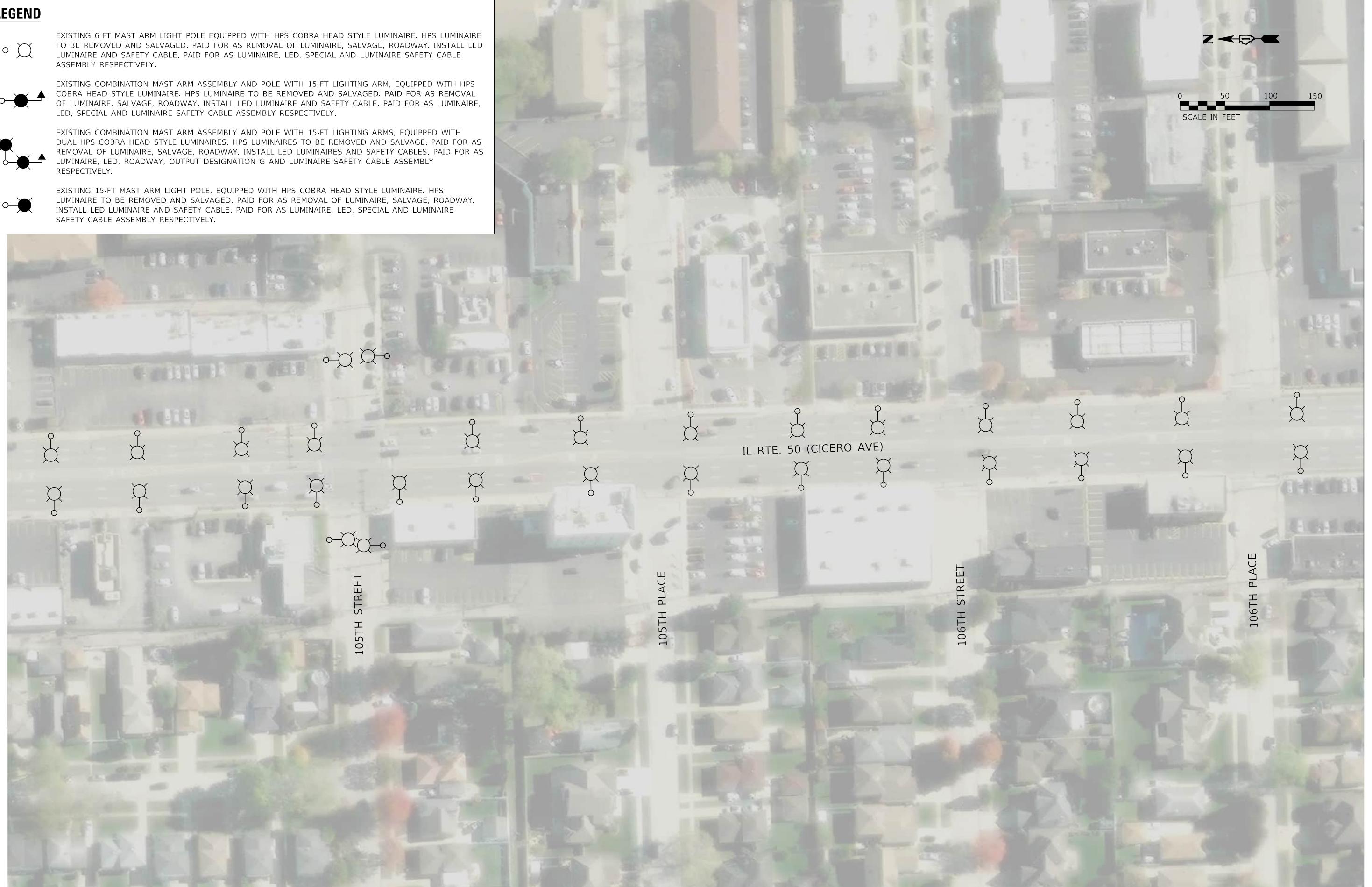
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SCALE IN FEET

MATCH LINE G

MODEL: Default  
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MATCH LINE H

**LEGEND**


EXISTING 6-FT MAST ARM LIGHT POLE EQUIPPED WITH HPS COBRA HEAD STYLE LUMINAIRE. HPS LUMINAIRE TO BE REMOVED AND SALVAGED. PAID FOR AS REMOVAL OF LUMINAIRE, SALVAGE, ROADWAY. INSTALL LED LUMINAIRE AND SAFETY CABLE. PAID FOR AS LUMINAIRE, LED, SPECIAL AND LUMINAIRE SAFETY CABLE ASSEMBLY RESPECTIVELY.



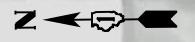
EXISTING COMBINATION MAST ARM ASSEMBLY AND POLE WITH 15-FT LIGHTING ARM, EQUIPPED WITH HPS COBRA HEAD STYLE LUMINAIRE. HPS LUMINAIRE TO BE REMOVED AND SALVAGED. PAID FOR AS REMOVAL OF LUMINAIRE, SALVAGE, ROADWAY. INSTALL LED LUMINAIRE AND SAFETY CABLE. PAID FOR AS LUMINAIRE, LED, SPECIAL AND LUMINAIRE SAFETY CABLE ASSEMBLY RESPECTIVELY.



EXISTING COMBINATION MAST ARM ASSEMBLY AND POLE WITH 15-FT LIGHTING ARMS, EQUIPPED WITH DUAL HPS COBRA HEAD STYLE LUMINAIRES. HPS LUMINAIRES TO BE REMOVED AND SALVAGED. PAID FOR AS REMOVAL OF LUMINAIRE, SALVAGE, ROADWAY. INSTALL LED LUMINAIRES AND SAFETY CABLES. PAID FOR AS LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G AND LUMINAIRE SAFETY CABLE ASSEMBLY RESPECTIVELY.



EXISTING 15-FT MAST ARM LIGHT POLE, EQUIPPED WITH HPS COBRA HEAD STYLE LUMINAIRE. HPS LUMINAIRE TO BE REMOVED AND SALVAGED. PAID FOR AS REMOVAL OF LUMINAIRE, SALVAGE, ROADWAY. INSTALL LED LUMINAIRE AND SAFETY CABLE. PAID FOR AS LUMINAIRE, LED, SPECIAL AND LUMINAIRE SAFETY CABLE ASSEMBLY RESPECTIVELY.



0 50 100 150  
SCALE IN FEET



## LEGEND



EXISTING 6-FT MAST ARM LIGHT POLE EQUIPPED WITH HPS COBRA HEAD STYLE LUMINAIRE. HPS LUMINAIRE TO BE REMOVED AND SALVAGED. PAID FOR AS REMOVAL OF LUMINAIRE, SALVAGE, ROADWAY, INSTALL LED LUMINAIRE AND SAFETY CABLE. PAID FOR AS LUMINAIRE, LED, SPECIAL AND LUMINAIRE SAFETY CABLE ASSEMBLY RESPECTIVELY.



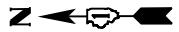
EXISTING COMBINATION MAST ARM ASSEMBLY AND POLE WITH 15-Ft LIGHTING ARM, EQUIPPED WITH HPS COBRA HEAD STYLE LUMINAIRE. HPS LUMINAIRE TO BE REMOVED AND SALVAGED. PAID FOR AS REMOVAL OF LUMINAIRE, SALVAGE, ROADWAY. INSTALL LED LUMINAIRE AND SAFETY CABLE. PAID FOR AS LUMINAIRE, LED, SPECIAL AND LUMINAIRE SAFETY CABLE ASSEMBLY RESPECTIVELY.



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EXISTING 15-Ft MAST ARM LIGHT POLE, EQUIPPED WITH HPS COBRA HEAD STYLE LUMINAIRE. HPS LUMINAIRE TO BE REMOVED AND SALVAGED. PAID FOR AS REMOVAL OF LUMINAIRE, SALVAGE, ROADWAY INSTALL LED LUMINAIRE AND SAFETY CABLE. PAID FOR AS LUMINAIRE, LED, SPECIAL AND LUMINAIRE SAFETY CABLE ASSEMBLY RESPECTIVELY.



A horizontal scale bar with a black and white checkered pattern. It is marked with numerical values: 0, 50, 100, and 150. Below the scale bar, the text "SCALE IN FEET" is printed in a bold, sans-serif font.

### MATCH LINE 1

100TH STREET

IL RTE. 50 (CICERO AVE)

MATCH LINE J

## LEGEND



EXISTING 6-FT MAST ARM LIGHT POLE EQUIPPED WITH HPS COBRA HEAD STYLE LUMINAIRE. HPS LUMINAIRE TO BE REMOVED AND SALVAGED. PAID FOR AS REMOVAL OF LUMINAIRE, SALVAGE, ROADWAY. INSTALL LED LUMINAIRE AND SAFETY CABLE. PAID FOR AS LUMINAIRE, LED, SPECIAL AND LUMINAIRE SAFETY CABLE ASSEMBLY RESPECTIVELY.



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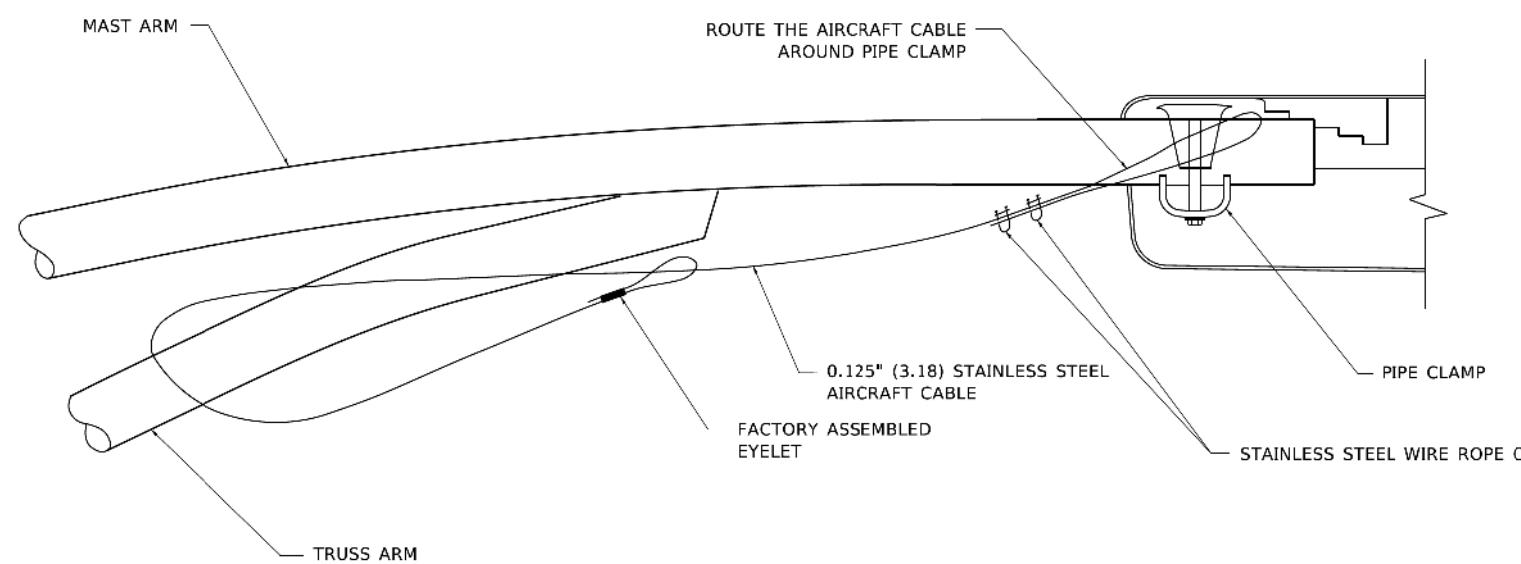


EXISTING 15-FT MAST ARM LIGHT POLE, EQUIPPED WITH HPS COBRA HEAD STYLE LUMINAIRE. HPS LUMINAIRE TO BE REMOVED AND SALVAGED. PAID FOR AS REMOVAL OF LUMINAIRE, SALVAGE, ROADWAY. INSTALL LED LUMINAIRE AND SAFETY CABLE. PAID FOR AS LUMINAIRE, LED, SPECIAL AND LUMINAIRE SAFETY CABLE ASSEMBLY RESPECTIVELY.



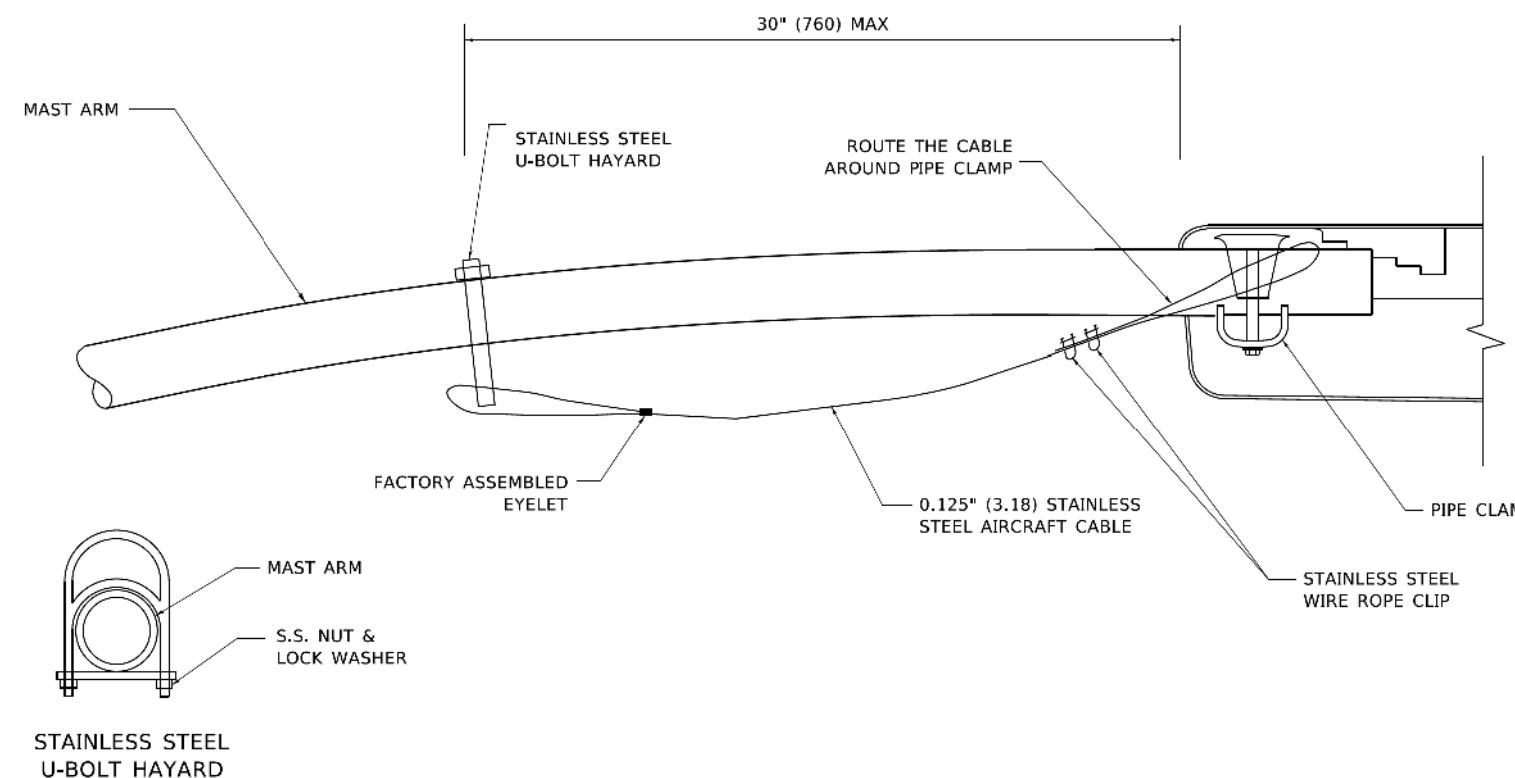
0 50 100 150  
SCALE IN FEET





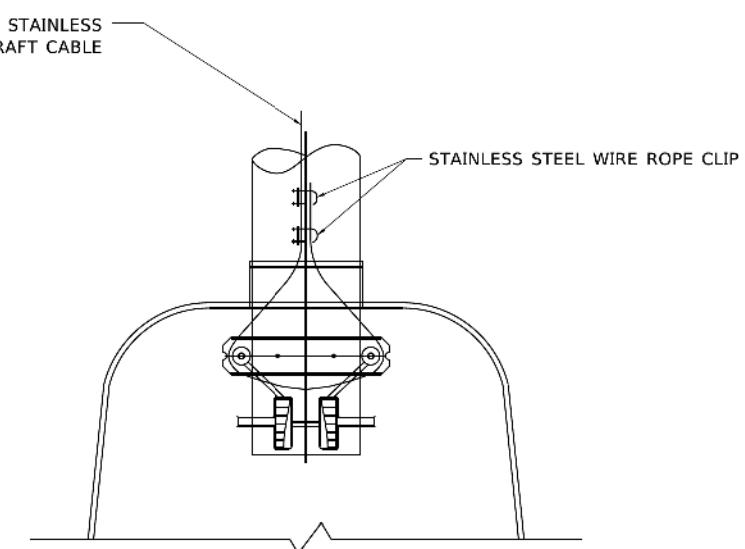
### SIDE VIEW (TRUSS ARM)

N.T.S.



**SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)**

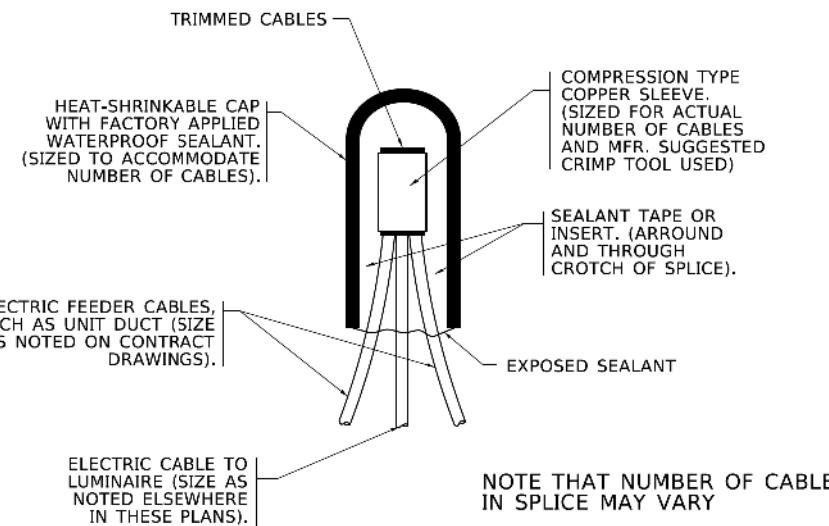
N.T.S.



**BOTTOM VIEW**  
**N.T.S.**

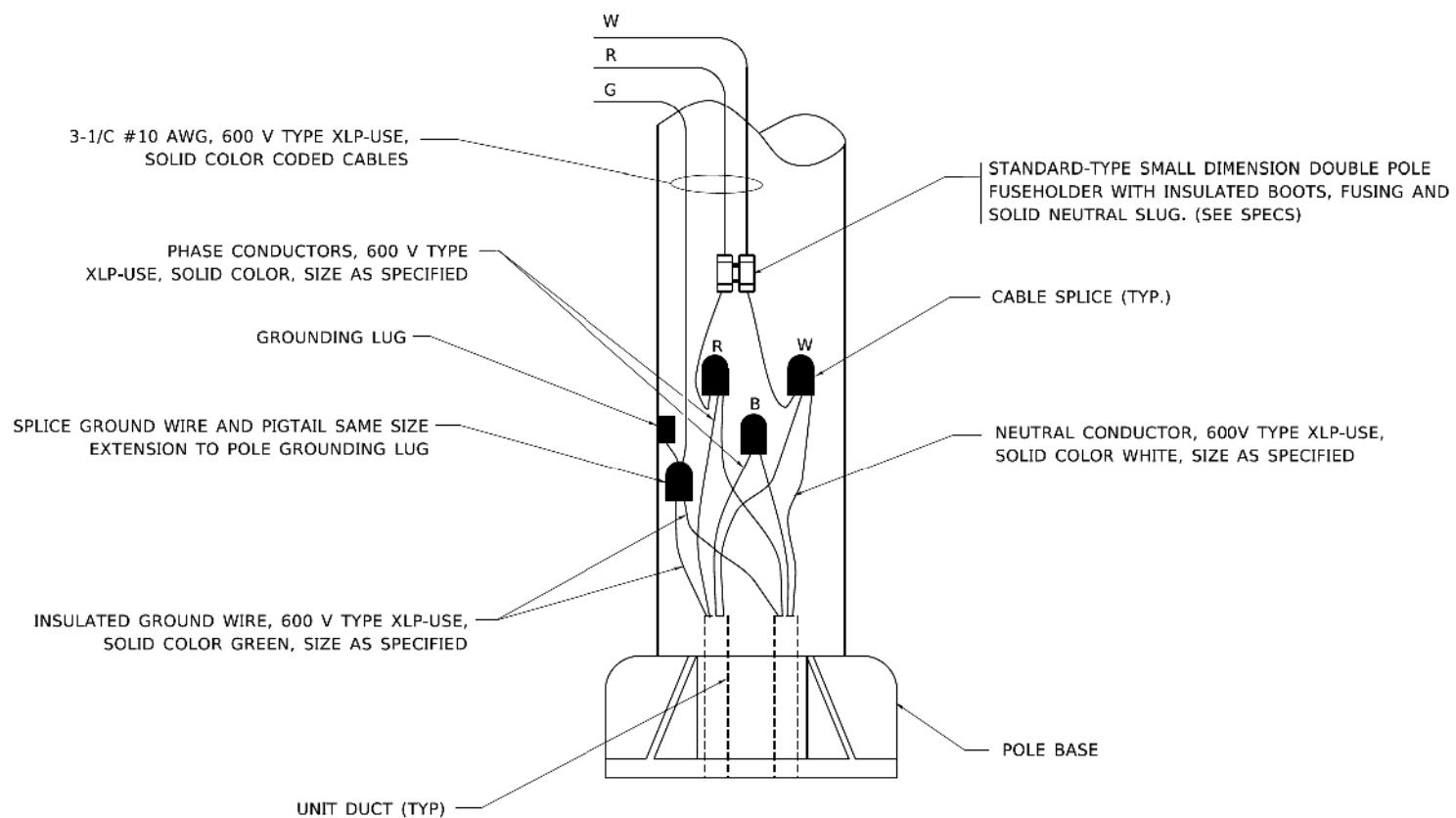
## NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.



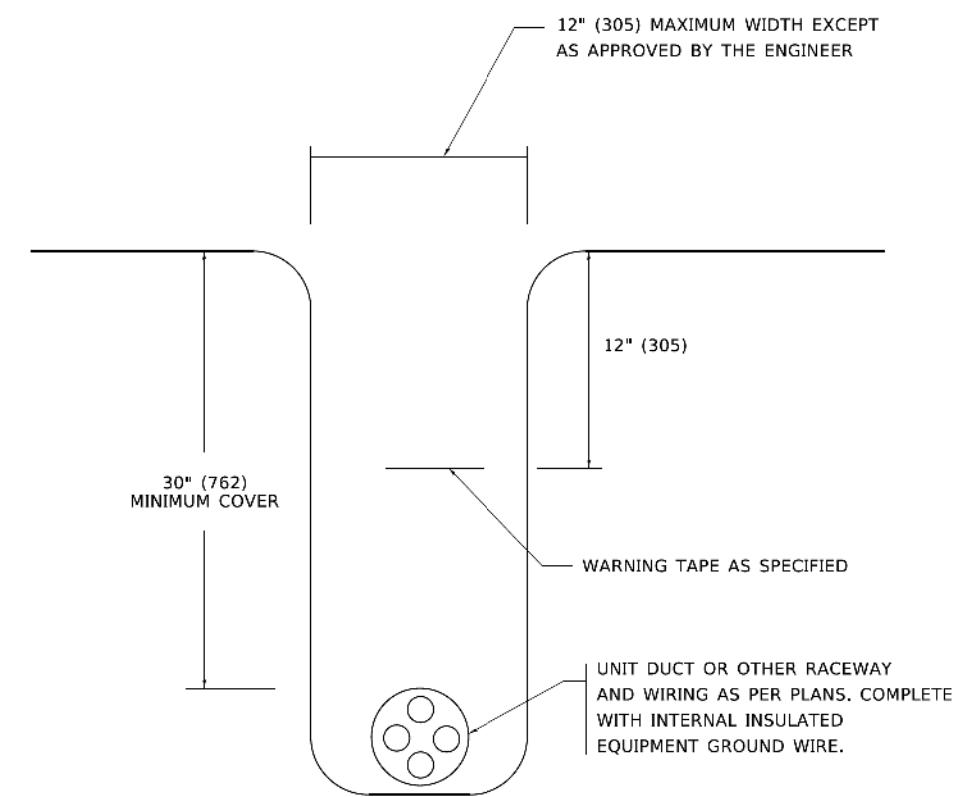
### **TYPICAL SPLICING DETAILS**

N.T.S.



### **POLE WIRING DETAIL**

N.T.S.



### **TYPICAL WIRING IN TRENCH DETAIL**

N.T.S.

USER NAME = leyna		DESIGNED -	REVISED -	02/04/2020	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	MISC. ELECTRICAL DETAILS				F.A. RTF.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -											
		PLOT SCALE -	50,000 ' / in.			CHECKED -	REVISED -							
		PLOT DATE -	02/04/2020			DATE -	08/08/2003	REVISED -						
						SCALE: NONE	1	OF 1	SHEETS	STA.	TO STA.			
												BE-702	CONTRACT NO.	
												ILLINOIS	FED. AID PROJECT	

USER NAME	= JackD	DESIGNED	-	JED
		DRAWN	-	JMR
PLOT SCALE	= 100,0000 ' / in.	CHECKED	-	AJR
PLOT DATE	= 12/11/2025	DATE	-	11/17/2025

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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**CICERO AVE. 87TH ST. TO 111TH ST.  
DISTRICT ONE DETAILS**

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHR NO.
350	24-00199-00-LT	COOK	18	18
			CONTRACT NO. 61M20	
				ILLINOIS