

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 ELECTRICAL REPAIR FY 25-1	VARIOUS	7	1
		ILLINOIS	CONTRACT NO. 78A64	

D-99-043-24



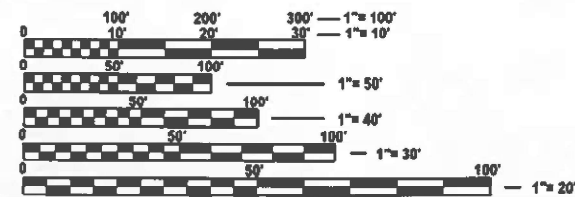
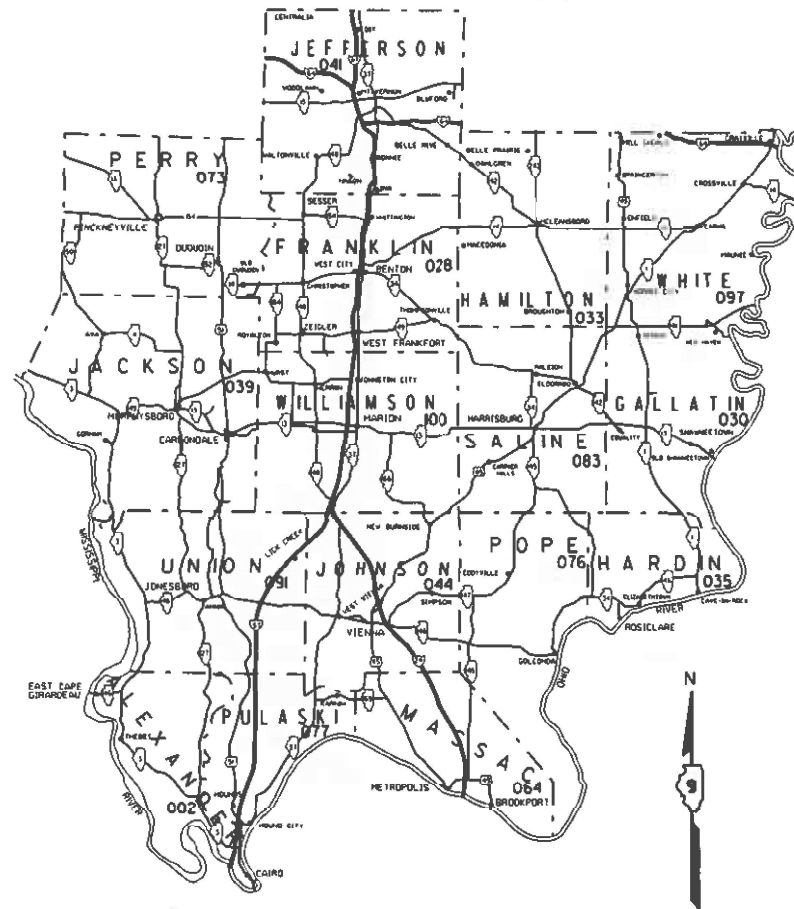
FOR INDEX OF SHEETS, SEE SHEET NO. 3

PROPOSED  
HIGHWAY PLANS

VARIOUS ROUTES  
SECTION D9 ELECTRICAL REPAIR FY 25-1

ELECTRICAL REPAIR  
VARIOUS COUNTIES

C-99-089-24



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

PROJECT ENGINEER MARCO ANDRESEN  
PROJECT MANAGER SEAN GREENLEE

CONTRACT NO. 78A64

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

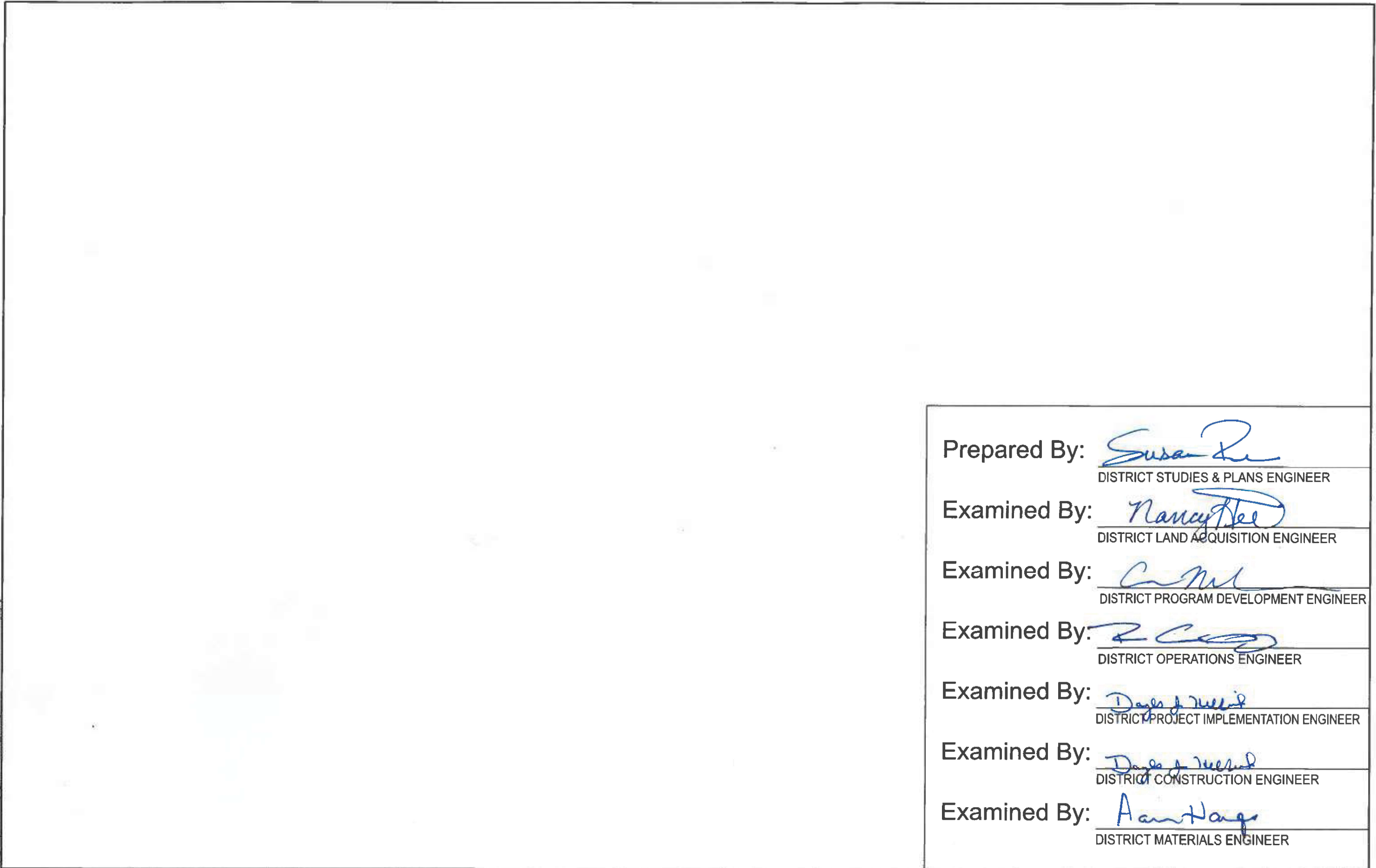
SUBMITTED *March 18, 2024*  
*Kirk H. Brown*  
REGIONAL ENGINEER

May 10, 2024 *[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 10, 2024 *[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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MODEL: 02-Signature (Sheet)  
 FILE NAME: c:\sw\_work\pender\msh\gov\_metro\_andresen\02\msh\gov\09066592\0978A64-SHA-Cover\_Sig.dwg



Prepared By: Susan Re  
 DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Lee  
 DISTRICT LAND ACQUISITION ENGINEER

Examined By: CM  
 DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: R. Coog  
 DISTRICT OPERATIONS ENGINEER

Examined By: Daryl J. Muesel  
 DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Daryl J. Muesel  
 DISTRICT CONSTRUCTION ENGINEER

Examined By: Aunt Hanger  
 DISTRICT MATERIALS ENGINEER

USER NAME = marco.andresen	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED -
PLOT DATE = 3/4/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SIGNATURE SHEET**

SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 ELECTRICAL REPAIR FY 25-1	VARIOUS	7	2
			CONTRACT NO. 78A64	
ILLINOIS FED. AID PROJECT				



# INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
4-7	SUMMARY OF QUANTITIES

## GENERAL NOTES

THIS PROJECT IS LOCATED ON VARIOUS ROUTES WITHIN REGION 5, DISTRICT 9. THE WORK INCLUDED IN THIS SECTION CONSISTS OF MAINTAINING AND REPAIRING THE ELECTRICAL SYSTEMS AND ALL OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

ALL WORK IS TO BE REPLACED IN KIND, AS INDICATED ON THE CONTRACT PLANS OR SPECIAL PROVISIONS.

THE LOCATIONS OF THE REPAIR AREAS SHALL BE DETERMINED BY THE ENGINEER.

REMOVAL OF DAMAGED MATERIALS WILL INCLUDE DISMANTLING, LOADING, HAULING AND DISPOSAL. THE WORK SITE WILL BE LEFT IN A SAFE AND ORDERLY CONDITION.

NO MATERIAL SHALL BE LEFT ON OR NEAR THE ROADWAY DURING NON-WORKING HOURS.

ANY NECESSARY TRAFFIC CONTROL WILL BE PROVIDED BY THE CONTRACTOR, APPROPRIATE STANDARDS ARE LISTED ON SHEET NO.3.

ILLINOIS STATE LAW ENFORCES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. (PH. 800-892-0123) OR FOR NON-MEMBER, THE UTILITY COMPANY DIRECTLY. ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (J.U.L.I.E.) SYSTEM AND MUST BE CONTACTED DIRECTLY.

ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE FOR THIS PROJECT.

## COMMITMENTS

NONE

# HIGHWAY STANDARDS

- 000001-08\_STANDARDSYMBOLSABBREVIATIONS-PATTERNS-001
- 001006\_DECIMALOFINCH-FOOT
- 701001-02\_OFFRDOP-2L2W-15FTMINFROMEOP
- 701006-05\_OFFRDOP-2L2W-15FTTOEOP
- 701011-04\_OFFRDMOVINGOP-2L2W-DAYONLY
- 701106-02\_OFFRDOP-MULTILN-MORETHAN15FTAWAY
- 701201-05\_LNCLOSURE2L2W-DAYONLY
- 701206-05\_LNCLOSURE2L2W-NIGHTONLY45MPHORMORE
- 701301-04\_LNCLOSURE2L2W-SHORTTIMEOP
- 701400-12\_APPRCHTOLNCLOSURE-FRWAYEXPWAY
- 701401-13\_LNCLOSUREFRWAYEXPWAY
- 701406-13\_LNCLOSUREFRWAYEXPWAY-DAYOPONLY
- 701421-08\_LNCLOSUREMULTILN-DAYOPONLY45-55MPH
- 701422-10\_LNCLOSUREMULTILN-45-55MPH
- 701446-11\_TWOLNCLOSURE-FRWAYEXPWAY-284
- 701451-05\_RAMPCLOSUREFREEWAYEXP
- 701456-05\_PARTIALEXITRAMPCLOSUREFREEWAYEXPRESSWAY
- 701501-06\_URBANLNCLOSURE2L2W-UNDMIDED
- 701502-09\_URBANLNCLOSURE2L2WWITHBIDIRECTLEFTTURNLN
- 701601-09\_URBANLNCLOSUREMULTILN1W2WWITHNONTRVSABLEMED
- 701602-10\_URBANLNCLOSUREMULTILN2WWITHBIDIRECTLEFTTURNLN
- 701606-10\_URBANSINGLELNCLOSUREMULTILN2WWITHMOUNTABLEMED
- 701701-10\_URBANLNCLOSUREMULTILNINTERSECTION
- 701901-09\_TRAFCNTRLDEVICES
- 821101-02\_LUMINAIRE WIRING IN POLE
- 825011-04\_LIGHTINGCONTROLLERPEDESTALMOUNT240V
- 825021-04\_LIGHTINGCONTROLLERBASEMOUNT240V
- 825026-04\_LIGHTINGCONTROLLERBASEMOUNT480V
- 830001-03\_LIGHT POLE ALUMINUM MAST ARM
- 836001-04\_LIGHTPOLEFOUNDATION
- 838001-01\_BREAKAWAYDEVICES
- 873001-02\_TRAFSIGNALGROUND-BOND
- 880006-01\_TRFSIGNALMOUNTDETAILS-POST-BRACKETMOUNT
- 886001-01\_DETECTORLOOPINSTALLATIONS
- 886006-01\_TYPICALLAYOUTSFORDETECTIONLOOPS

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FILE NAME: c:\p\work\1101101101\index\marco.andresen\0906692\097664-SHB-Index\_GenNotes.dgn

USER NAME = Marco.Andresen	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, STANDARDS GENERAL NOTES AND COMMITMENTS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN -	REVISED -	VAR			D9 ELECTRICAL REPAIR FY 25-1	VARIOUS	7	3	CONTRACT NO. 78A64	
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -								
PLOT DATE = 2/6/2024	DATE -	REVISED -			SCALE:	SHEET 3	OF 7	SHEETS	STA.	TO STA.

# SUMMARY OF QUANTITIES

COUNTY:	VARIOUS	VARIOUS
ROUTE:	FAI 25	FAI 25
FUNDING:	100% STATE	100% STATE
LOCATION:	RURAL	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	HIT AND RUN		MCHD	
				0021		0021	
80300100	LOCATING UNDERGROUND CABLE	FOOT	50	20		30	
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	80	50		30	
82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	1	1			
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	1	1			
82500335	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 100AMP	EACH	1	1			
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	1	1			
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	1	1			
84200804	REMOVAL OF POLE FOUNDATION	EACH	1	1			
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	1		1	
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	1		1	
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	1	1			
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	6	4		2	
88500100	INDUCTIVE LOOP DETECTOR	EACH	2	1		1	
88600100	DETECTOR LOOP, TYPE I	FOOT	80	50		30	

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PLOT DATE = 3/4/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 ELECTRICAL REPAIR FY 25-1	VARIOUS	7	4
CONTRACT NO. 78A64				
ILLINOIS   FED. AID PROJECT				



# SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	VARIOUS	VARIOUS
				ROUTE:	FAI 25	FAI 25
				FUNDING:	100% STATE	100% STATE
				LOCATION:	RURAL	RURAL
				HIT AND RUN	MCHD	
				0021	0021	
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1		1	
XP000001	JOURNEYMAN ELECTRICIAN	HOUR	530		280	250
XP000002	APPRENTICE ELECTRICIAN	HOUR	260		140	120
XP000009	PICK-UP TRUCK	HOUR	425		225	200
XP000012	ARROWBOARD (TRAILER MOUNTED)	HOUR	17		10	7
XP000013	ATTENUATOR, CRASH (TRUCK MOUNTED)	HOUR	17		10	7
XP000014	TRUCK CRANE	HOUR	17		10	7
XP000030	BUCKET TRUCK FOR HIGHWAY LIGHTING	HOUR	80		50	30
XP000031	POLE TRAILER	HOUR	7		5	2
XP000032	FLATBED TRAILER	HOUR	7		5	2
XP000106	BUCHANAN FUSEHOLDER KIT	EACH	2		2	
XP000126	#12 XLP 1/C COPPER WIRE	FEET	180		100	80
XP000127	#8 XLP-TYPE USE 1/C COPPER WIRE	FFFT	180		100	80
XP000128	#6 XLP-TYPE USE 1/C COPPER WIRE	FEET	180		100	80

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PLOT DATE = 3/4/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES CONT			
SCALE:	SHEET 5	OF 7	SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 ELECTRICAL REPAIR FY 25-1	VARIOUS	7	5
CONTRACT NO. 78A64				
ILLINOIS   FED. AID PROJECT				

# SUMMARY OF QUANTITIES - CONT

COUNTY:	VARIOUS	VARIOUS
ROUTE:	FAI 25	FAI 25
FUNDING:	100% STATE	100% STATE
LOCATION:	RURAL	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	HIT AND RUN 0021	MCHD 0021
XP000129	60A LIGHTING CONTACTOR	EACH	1	1	
XP000130	100A LIGHTING CONTACTOR	EACH	1		1
XP000139	BREAKAWAY COUPLING, 1"	EACH	6	5	1
XP000140	1/4" X 1/4" STAINLESS STEEL MESH	SQ FT	4	3	1
XP000141	ALUMINUM SIGNAL BASE, SQUARE (PELCO)	EACH	2	1	1
XP000170	ELECTRIC CABLE, 2/C, #14, TW, SH	FEET	180	100	80
XP000176	ELECTRIC CABLE, 5/C, #14	FEET	180	100	80
XP000177	ELECTRIC CABLE, 7/C, #14	FEET	180	100	80
XP000180	SPLICE KIT (3-M SCOTCHCAST #72-N1)	EACH	3	2	1
XP000181	LOOP SEALANT (BONDO P606)	GALLON	2	2	
XP000204	ALUMINUM LIGHT POLE, 45', COMPLETE, ROUND, W 15' TRUSS STYLE ARM, W/TRANSFORMER BASE, 17" B.C.	EACH	1	1	
XP000205	ALUMINUM LIGHT POLE MAST ARM, 15', TRUSS STYLE	EACH	1	1	
XP000206	ALUMINUM TRANSFORMER BASE, 13" UPPER BOLT CIRCLE 17" LOWER BOLT CIRCLE	EACH	1	1	
XP000207	ALUMINUM LIGHT POLE, 45', COMPLETE, RD, W/ TENON TOP, W/T BASE, 17" B.C., DK. BRONZE POWDER COAT	EACH	1		1

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PLOT DATE = 3/4/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
CONT**

SCALE: SHEET 6 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 ELECTRICAL REPAIR FY 25-1	VARIOUS	7	6
			CONTRACT NO. 78A64	
ILLINOIS   FED. AID PROJECT				



# SUMMARY OF QUANTITIES - CONT

COUNTY:	VARIOUS	VARIOUS
ROUTE:	FAI 25	FAI 25
FUNDING:	100% STATE	100% STATE
LOCATION:	RURAL	RURAL
TOTAL QUANTITY	HIT AND RUN	MCHD
	0021	0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	HIT AND RUN	MCHD
XP000208	ALUMINUM TRANSFORMER BASE, 15" UPPER BOLT CIRCLE 17" LOWER BOLT CIRCLE, DK. BRONZE POWDER COAT	EACH	1	1	
XP000309	REPAIR HIGHWAY LIGHT POLE KNOCKDOWN	EACH	3	2	1
XP000310	REPLACE HIGHWAY LIGHT POLE BREAKAWAY DEVICE, COUPLINGS	EACH	3	2	1
XP000311	REPLACE HIGHWAY LIGHT POLE BREAKAWAY DEVICE, TRANSFORMER BASE	EACH	3	2	1
XP000312	REPLACE TRAFFIC SIGNAL POST BASE ASSEMBLY	EACH	2	1	1
XP000010	BUCKET TRUCK (LENGTH LESS THAN 35 FEET)	HOUR	25	15	10
XP000011	BUCKET TRUCK (LENGTH 35 TO 65 FEET)	HOUR	30	20	10

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PLOT DATE = 3/4/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
CONT**

SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 ELECTRICAL REPAIR FY 25-1	VARIOUS	7	7
			CONTRACT NO. 78A64	
ILLINOIS   FED. AID PROJECT				