

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 ELECTRICAL REPAIR FY 26-1	VARIOUS	7	1
		ILLINOIS	CONTRACT NO. 78B40	

FOR INDEX OF SHEETS, SEE SHEET NO. 3

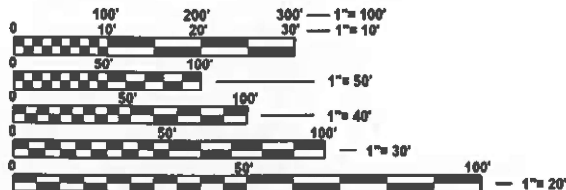
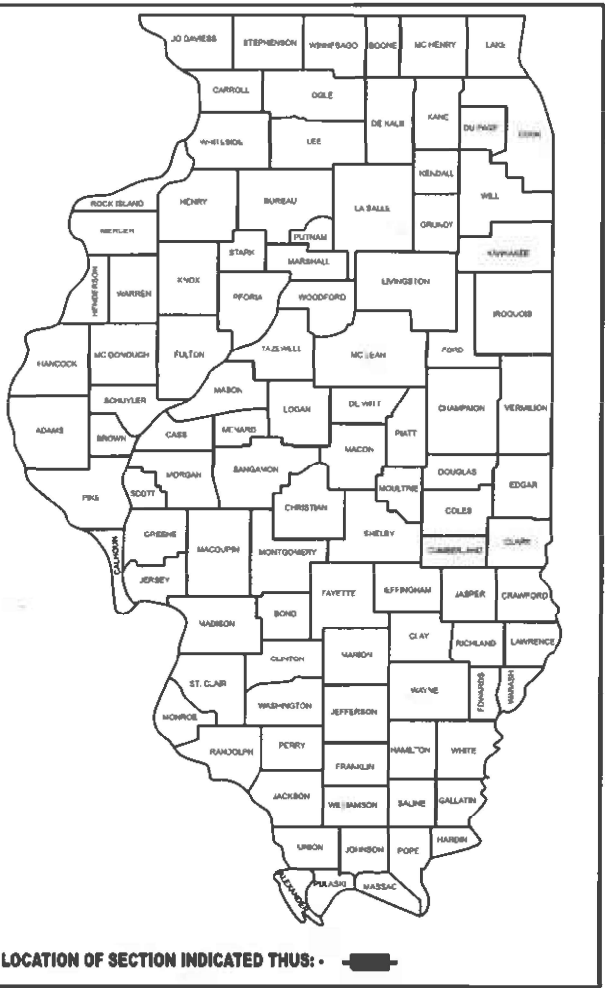
PROPOSED  
HIGHWAY PLANS

VARIOUS ROUTES  
SECTION D9 ELECTRICAL REPAIR FY 26-1

ELECTRICAL REPAIR  
VARIOUS COUNTIES

C-99-083-25

D-99-050-25

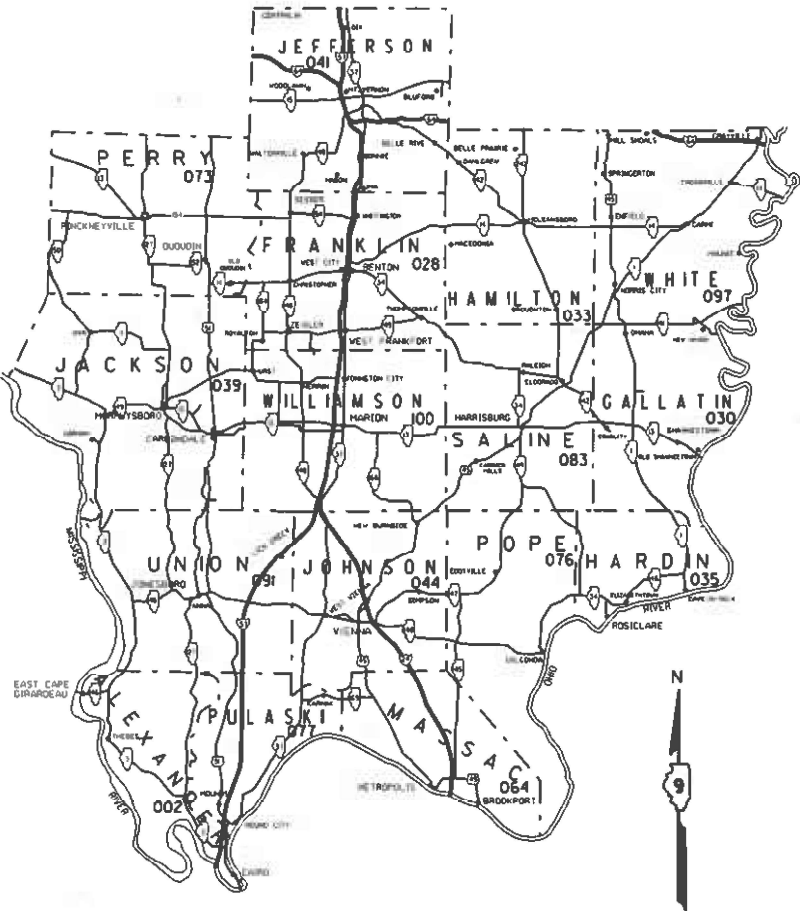


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD  
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT  
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS  
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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. 78B40



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 24 20 25  
Spa S. Rostine  
REGIONAL ENGINEER

May 9 20 25  
Scott Etk  
ENGINEER OF DESIGN AND ENVIRONMENT

May 9 20 25  
Harry  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

Prepared By: Susan R.  
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Examined By: Cassie Nelson  
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: [Signature]  
DISTRICT OPERATIONS ENGINEER

Examined By: \_\_\_\_\_  
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: [Signature]  
DISTRICT CONSTRUCTION ENGINEER

Examined By: Aam Hays  
DISTRICT MATERIALS ENGINEER

Susan R.

: Nancy Lee  
 DISTRICT LAND ACQUISITION ENGINEER

Cassie Rubin

2005

DISTRICT PROJECT IMPLEMENTATION ENGINEER

\_\_\_\_\_ Bendurth

- Anthrax

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 ELECTRICAL REPAIR FY 26-1	VARIOUS	7	2
CONTRACT NO. 78B40				
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 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15 FT AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15 FT TO 24 IN FROM PAVEMENT EDGE
- 701011-04 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15 FT AWAY
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS 45 MPH OR MORE
- 701206-05 LANE CLOSURE, 2L, 2W, NIGHT ONLY FOR SPEEDS 45 MPH OR MORE
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701400-12 APPROACH TO LANE CLOSURE, FREEWAY EXPRESSWAY
- 701401-13 LANE CLOSURE, FREEWAY EXPRESSWAY
- 701406-13 LANE CLOSURE, FREEWAY EXPRESSWAY, DAY OPERATIONS ONLY
- 701421-08 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS 45 TO 55 MPH
- 701422-10 LANE CLOSURE, MULTILANE, FOR SPEEDS 45 TO 55 MPH
- 701446-11 TWO LANE CLOSURE, FREEWAY EXPRESSWAY
- 701451-05 RAMP CLOSURE FREEWAY EXPRESSWAY
- 701456-05 PARTIAL EXIT RAMP CLOSURE FREEWAY EXPRESSWAY
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701502-09 URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
- 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701602-10 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701606-10 URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901-10 TRAFFIC CONTROL DEVICES
- 805001-01 ELECTRICAL SERVICE INSTALLATION DETAILS
- 821101-03 LUMINAIRE WIRING IN POLE
- 825011-04 LIGHTING CONTROLLER PEDESTAL MOUNTED, 240V
- 825021-04 LIGHTING CONTROLLER BASE MOUNT, 240V
- 825026-04 LIGHTING CONTROLLER BASE MOUNTED, 480V
- 836001-05 LIGHT POLE FOUNDATION
- 838001-01 BREAKAWAY DEVICES
- 862001-01 UNINTERRUPTABLE POWER SUPPLY (UPS)
- 873001-02 TRAFFIC SIGNAL GROUNDING & BONDING
- 876001-04 PEDESTRIAN PUSH BUTTON POST
- 877001-08 STEEL MAST ARM ASSEMBLY & POLE 16' THROUGH 55'
- 877011-10 STEEL COMB, MAST ARM ASSEMBLY & POLE 16' THROUGH 55'
- 878001-11 CONCRETE FOUNDATION DETAILS
- 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS
- 886001-01 DETECTOR LOOP INSTALLATIONS
- 886006-01 TYPICAL LAYOUTS FOR DETECTION LOOPS

REV - MS

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	USER NAME = MarcoAndresen	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STANDARDS GENERAL NOTES AND COMMITMENTS	F.A.* RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633" / in.	DRAWN -	REVISED -			VAR	D9 ELECTRICAL REPAIR FY 26-1	VARIOUS	7	3	
	PLOT DATE = 3/25/2025	CHECKED -	REVISED -			CONTRACT NO. 78B40					
		DATE -	REVISED -								
	SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.						ILLINOIS   FED. AID PROJECT				



SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	VARIOUS	VARIOUS
				ROUTE:	FAI 26	FAI 26
				FUNDING:	100% STATE	100% STATE
				LOCATION:	RURAL	RURAL
				HIT AND RUN	MCHD	
					0021	
80300100	LOCATING UNDERGROUND CABLE	FOOT	38	23	15	
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	60	37	23	
82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	2	1	1	
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	2	1	1	
82500335	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 100AMP	EACH	2	1	1	
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	2	1	1	
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	2	1	1	
84200804	REMOVAL OF POLE FOUNDATION	EACH	2	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	2	1	1	
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	5	3	2	
88500100	INDUCTIVE LOOP DETECTOR	EACH	2	1	1	
88600100	DETECTOR LOOP, TYPE I	FOOT	60	37	23	

MODEL: SUMMARY OF QUANTITIES [Sheet]  
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## SUMMARY OF QUANTITIES - CONT

COUNTY:	VARIOUS	VARIOUS
ROUTE:	FAI 26	FAI 26
FUNDING:	100% STATE	100% STATE
LOCATION:	RURAL	RURAL
TOTAL QUANTITY	HIT AND RUN 0021	MCHD 0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	HIT AND RUN	MCHD
				0021	0021
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2	1	1
XP000001	JOURNEYMAN ELECTRICIAN	HOUR	398	243	155
XP000002	APPRENTICE ELECTRICIAN	HOUR	195	119	76
XP000009	PICK-UP TRUCK	HOUR	319	195	124
XP000010	BUCKET TRUCK (LENGTH LESS THAN 35 FEET)	HOUR	19	12	7
XP000011	BUCKET TRUCK (LENGTH 35 TO 65 FEET)	HOUR	23	14	9
XP000012	ARROWBOARD (TRAILER MOUNTED)	HOUR	13	8	5
XP000013	ATTENUATOR, CRASH (TRUCK MOUNTED)	HOUR	13	8	5
XP000014	TRUCK CRANE	HOUR	13	8	5
XP000030	BUCKET TRUCK FOR HIGHWAY LIGHTING	HOUR	60	37	23
XP000031	POLE TRAILER	HOUR	5	3	2
XP000032	FLATBED TRAILER	HOUR	5	3	2
XP000106	BUCHANAN FUSEHOLDER KIT	EACH	2	1	1
XP000126	#12 XLPE 1/C COPPER WIRE	FEET	135	82	53

MODEL: SUMMARY OF QUANTITIES-1 [Sheet]  
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FILE NAME:	USER NAME = Marco.Andresen	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES CONT				F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR	D9 ELECTRICAL REPAIR FY 26-1	VARIOUS	7	5
	PLOT SCALE = 0.19668633' / in.	CHECKED -	REVISED -		CONTRACT NO. 78B40								
	PLOT DATE = 3/25/2025	DATE -	REVISED -		SCALE:	SHEET 2	OF 4	SHEETS	STA.	TO STA.			
									ILLINOIS   FED. AID PROJECT				

SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	VARIOUS	VARIOUS
				ROUTE:	FAI 26	FAI 26
				FUNDING:	100% STATE	100% STATE
				LOCATION:	RURAL	RURAL
				HIT AND RUN	MCHD	
				0021	0021	
XP000127	#8 XLP-TYPE USE 1/C COPPER WIRE	FEET	135	82	53	
XP000128	#6 XLP-TYPE USE 1/C COPPER WIRE	FEET	135	82	53	
XP000129	60A LIGHTING CONTACTOR	EACH	2	1	1	
XP000130	100A LIGHTING CONTACTOR	EACH	2	1	1	
XP000139	BREAKAWAY COUPLING, 1"	EACH	4	2	2	
XP000140	1/4" X 1/4" STAINLESS STEEL MESH	SQ FT	3	2	1	
XP000141	ALUMINUM SIGNAL BASE, SQUARE (PELCO)	EACH	2	1	1	
XP000170	ELECTRIC CABLE, 2/C, #14, TW, SH	FEET	135	82	53	
XP000176	ELECTRIC CABLE, 5/C, #14	FEET	135	82	53	
XP000177	ELECTRIC CABLE, 7/C, #14	FEET	135	82	53	
XP000180	SPLICE KIT (3-M SCOTCHCAST #72-N1)	EACH	2	1	1	
XP000181	LOOP SEALANT (BONDO P606)	GALLON	2	1	1	
XP000204	ALUMINUM LIGHT POLE, 45', COMPLETE, ROUND, W 15' TRUSS STYLE ARM, W/TRANSFORMER BASE, 17" B.C.	EACH	2	1	1	
XP000205	ALUMINUM LIGHT POLE MAST ARM, 15', TRUSS STYLE	EACH	2	1	1	

MODEL: SUMMARY OF QUANTITIES-2 [Sheet]  
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## SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	HIT AND RUN	MCHD
				0021	0021
XP000206	ALUMINUM TRANSFORMER BASE, 13" UPPER BOLT CIRCLE 17" LOWER BOLT CIRCLE	EACH	2	1	1
XP000207	ALUMINUM LIGHT POLE, 45', COMPLETE, RD, W/ TENON TOP, W/T BASE, 17" B.C., DK. BRONZE POWDER COAT	EACH	2	1	1
XP000208	ALUMINUM TRANSFORMER BASE, 15" UPPER BOLT CIRCLE 17" LOWER BOLT CIRCLE, DK. BRONZE POWDER COAT	EACH	2	1	1
XP000309	REPAIR HIGHWAY LIGHT POLE KNOCKDOWN	EACH	2	1	1
XP000310	REPLACE HIGHWAY LIGHT POLE BREAKAWAY DEVICE, COUPLINGS	EACH	2	1	1
XP000311	REPLACE HIGHWAY LIGHT POLE BREAKAWAY DEVICE, TRANSFORMER BASE	EACH	2	1	1
XP000312	REPLACE TRAFFIC SIGNAL POST BASE ASSEMBLY	EACH	2	1	1