

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 ELECTRICAL REPAIR FY24-1	VARIOUS	7	1
		ILLINOIS	CONTRACT NO. 78995	

06-16-2023 LETTING ITEM 092

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

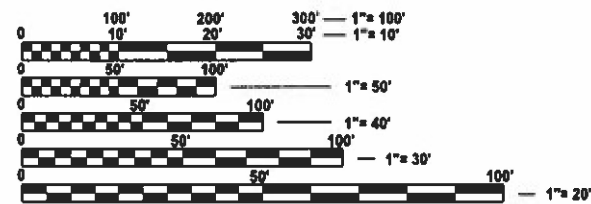
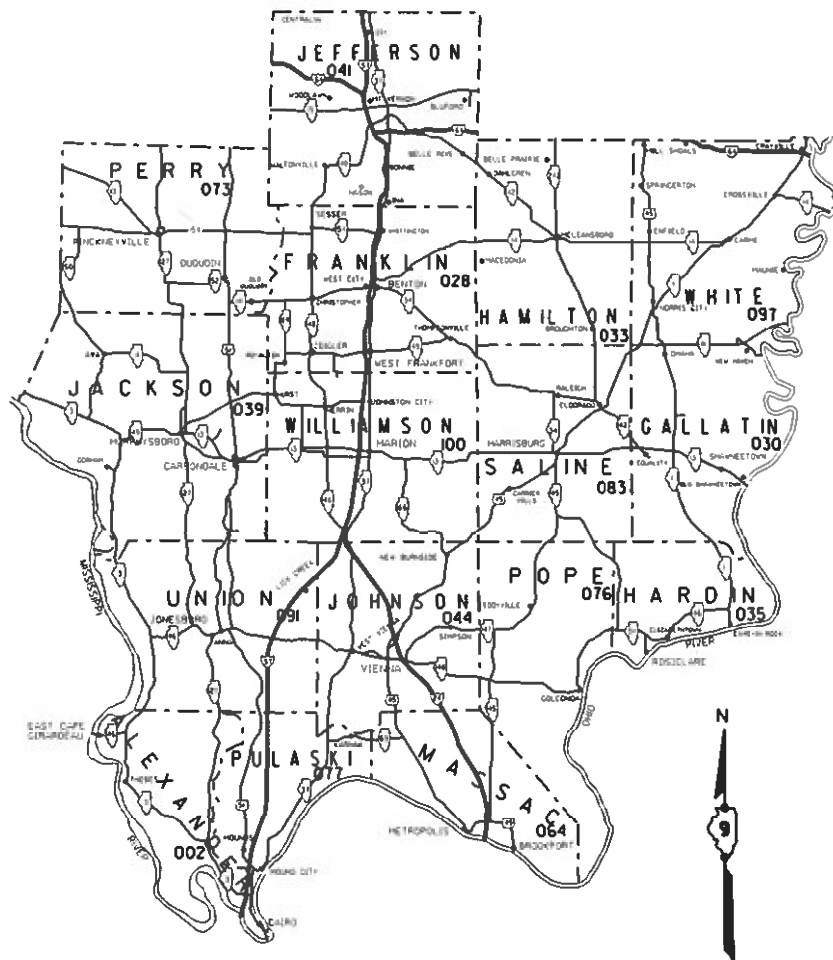
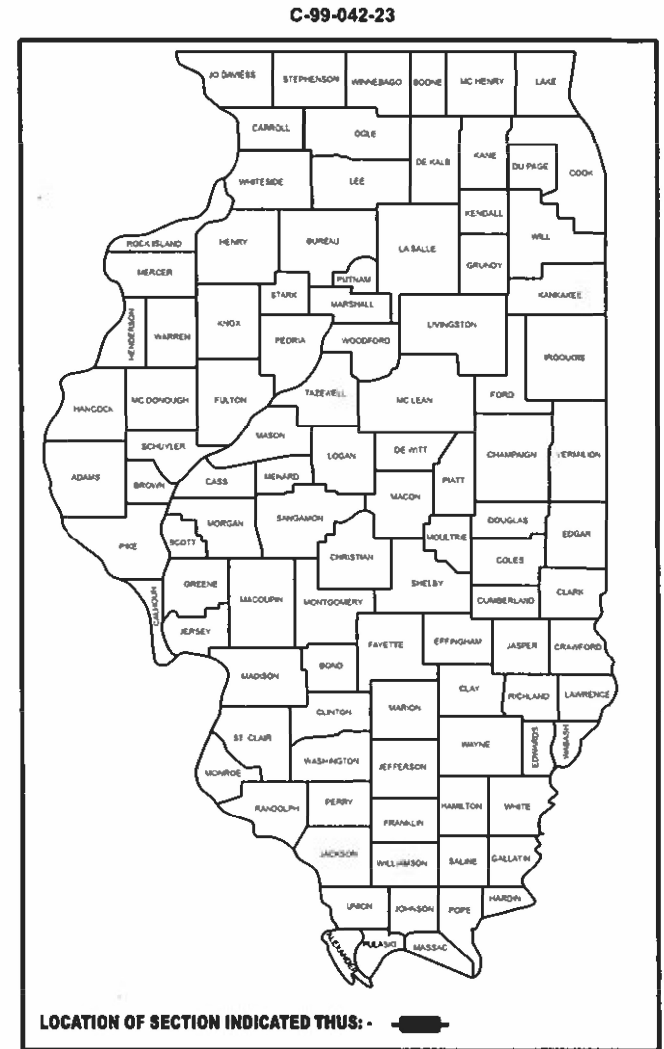
FOR INDEX OF SHEETS, SEE SHEET NO. 3

PROPOSED
HIGHWAY PLANS

VARIOUS ROUTES
SECTION D9 ELECTRICAL REPAIR FY24-1

ELECTRICAL REPAIR
VARIOUS COUNTIES

C-99-042-23



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 SUSAN POE
PROJECT MANAGER SUSAN POE

CONTRACT NO. 78995

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 17, 2023
Kirk H. Emmerich
REGIONAL ENGINEER

May 12, 2023 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 12, 2023 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, STANDARDS, GENERAL NOTES AND COMMITMENTS
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 UTILITES 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 IN 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.

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
- 701101-05_OFFRDMOVINGOP-MULTILN-15FTTOEOP
- 701106-02_OFFRDOP-MULTILN-MORETHAN15FTAWAY
- 701201-05_LNCLOSURE2L2W-DAYONLY
- 701206-05_LNCLOSURE2L2W-NIGHTONLY45MPHORMORE
- 701301-04_LNCLOSURE2L2W-SHORTTIMEOP
- 701400-11_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-UNDIVIDED
- 701502-09_URBANLNCLOSURE2L2WWITHBIDIRECTLEFTTURNLN
- 701601-09_URBANLNCLOSUREMULTILN1W2WWITHNONTRVSABLEMED
- 701602-10_URBANLNCLOSUREMULTILN2WWITHBIDIRECTLEFTTURNLN
- 701606-10_URBANSINGLELNCLOSUREMULTILN2WWITHMOUNTABLEMED
- 701701-10_URBANLNCLOSUREMULTILNINTERSECTION
- 701901-08_TRAFCNTRLDEVICES
- 821101-02_LUMINAIRE WIRING IN POLE
- 825011-04_LIGHTINGCONTROLLERPEDESTALMOUNT240V
- 836001-04_LIGHTPOLEFOUNDATION
- 838001-01_BREAKAWAYDEVICES
- 873001-02_TRAFSIGNALGROUND-BOND
- 880006-01_TRFSIGNALMOUNTDETAILS-POST-BRACKETMOUNT
- 886001-01_DETECTORLOOPINSTALLATIONS
- 886006-01_TYPICALLAYOUTSFORDETECTIONLOOPS
- 830001-03_LIGHT POLE ALUMINUM MAST ARM

COMMITMENTS

NONE

REV. - MS

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PLOT DATE = 3/17/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STANDARDS
GENERAL NOTES AND COMMITMENTS

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D9 ELECTRICAL REPAIR FY24-1	VARIOUS	7	3
				CONTRACT NO. 78995
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

COUNTY:	VARIOUS	VARIOUS
ROUTE:	FAI 24	FAI 24
FUNDING:	100% STATE	100% STATE
LOCATION:	RURAL	RURAL
	HIT AND RUN	MCHD
	0021	0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	HIT AND RUN 0021	MCHD 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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**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 FY24-1	VARIOUS	7	4
CONTRACT NO. 78995				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES - CONT

COUNTY:	VARIOUS	VARIOUS
ROUTE:	FAI 24	FAI 24
FUNDING:	100% STATE	100% STATE
LOCATION:	RURAL	RURAL
	HIT AND RUN	MCHD
	0021	0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	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
XP000028	LABOR	HOUR	300	150	150
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 XLPE 1/C COPPER WIRE	FEET	180	100	80
XP000127	#8 XLP-TYPE USE 1/C COPPER WIRE	FEET	180	100	80
XP000128	#6 XLP-TYPE USE 1/C COPPER WIRE	FEET	180	100	80

REV. - MS

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**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 FY24-1	VARIOUS	7	5
CONTRACT NO. 78995				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES - CONT

COUNTY:	VARIOUS	VARIOUS
ROUTE:	FAI 24	FAI 24
FUNDING:	100% STATE	100% STATE
LOCATION:	RURAL	RURAL
	HIT AND RUN	MCHD
	0021	0021

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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**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 FY24-1	VARIOUS	7	6
CONTRACT NO. 78995				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES - CONT

COUNTY:	VARIOUS	VARIOUS
ROUTE:	FAI 24	FAI 24
FUNDING:	100% STATE	100% STATE
LOCATION:	RURAL	RURAL
	HIT AND RUN	MCHD
	0021	0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	HIT AND RUN 0021	MCHD 0021
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
X0327498	BUCKET TRUCK (LENGTH LESS THAN 35 FEET)	HOUR	25	15	10
X0327499	BUCKET TRUCK (LENGTH 35 TO 65 FEET)	HOUR	30	20	10

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