

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

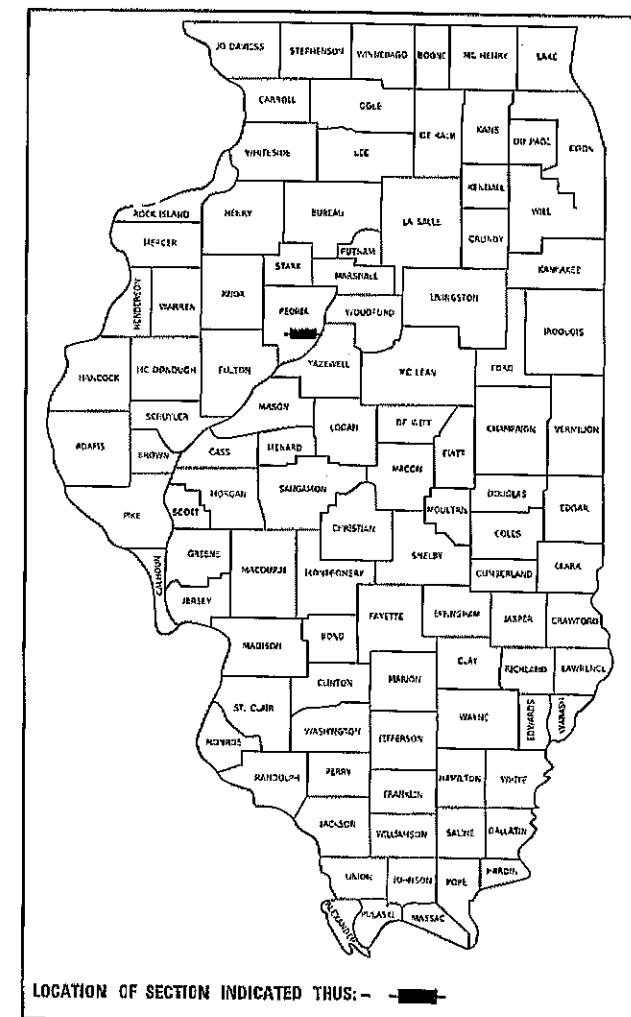
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	1
		ILLINOIS	CONTRACT NO. 68G54	

D-94-056-21

INDEX OF SHEETS:  
SEE SHEET 2 FOR INDEX OF SHEETS

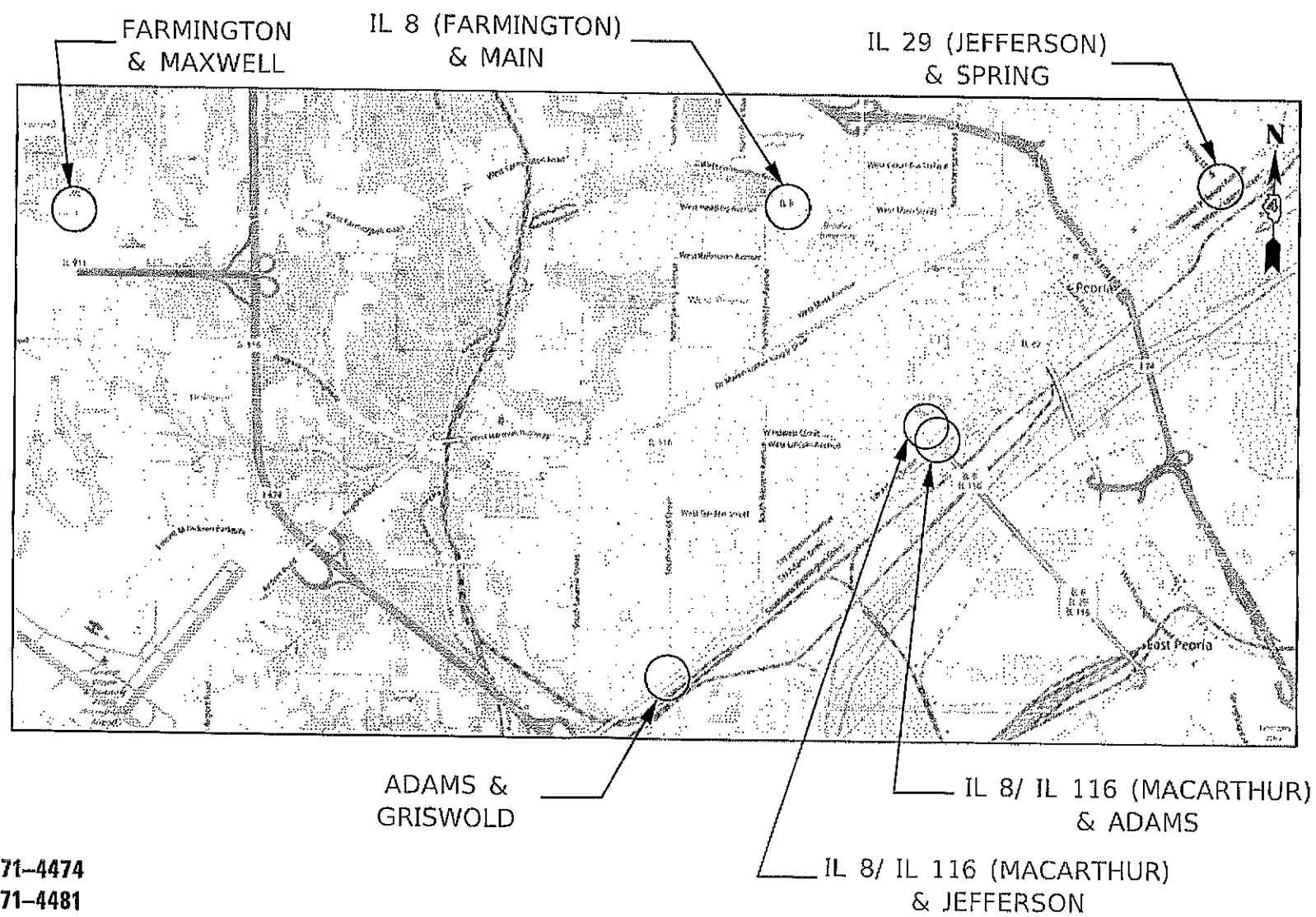
# PROPOSED HIGHWAY PLANS

VARIOUS ROUTES  
D4 MAST ARM REPLACEMENT 2021  
PEORIA COUNTY  
PROJECT NO. STP-J1LG(133)  
C-94-076-21



HIGHWAY STANDARDS:  
SEE SHEET 2 FOR A LIST OF  
APPLICABLE HIGHWAY STANDARDS

PROJECT DESCRIPTION:  
TRAFFIC SIGNAL MAST ARM REPLACEMENT  
AT VARIOUS LOCATIONS IN PEORIA COUNTY.



J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS  
1-800-892-0123  
OR 811

PROJECT ENGINEER : TREVOR HANSON (309) 671-4474  
PROJECT MANAGER : ERIC HOWALD (309) 671-4481  
CATALOG NO. 036220-00D  
CONTRACT NO. 68G54

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Mar 19 2021  
Kensil A Barnett RSD  
REGIONAL ENGINEER

\_\_\_\_\_  
20\_\_\_\_  
ENGINEER OF DESIGN AND ENVIRONMENT

\_\_\_\_\_  
20\_\_\_\_  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

NO COMMITMENTS HAVE BEEN MADE IN CONJUNCTION WITH THIS PROJECT.

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HIGHWAY STANDARDS	
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH & FOOT
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
814001-03	HANDHOLES
821101-02	LUMINARE WIRING IN POLE
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877002-04	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
877006-06	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS
877011-10	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877012-07	STEEL COMB. MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

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	USER NAME = hansonj DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>COMMITMENTS, INDEX OF SHEETS, AND HIGHWAY STANDARDS</b>	F.A. RTE. VAR.	SECTION MAST ARM REPLACEMENT 2021	COUNTY PEORIA	TOTAL SHEETS 40	SHEET NO. 2
				SCALE:	SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 68G54 ILLINOIS FED. AID PROJECT		

**TRAFFIC SIGNAL CONSTRUCTION STAGING NOTES**

1. THE CONTRACTOR WILL BE ALLOWED TO PLACE THE INTERSECTION INTO ALL-RED FLASH MODE TO FACILITATE THE INSTALLATION OF THE PROPOSED TRAFFIC SIGNAL MAST ARMS, POSTS, SIGNAL HEADS, ELECTRICAL CABLE AND OTHER COMPONENTS.
2. THE CONTRACTOR SHALL FURNISH AND INSTALL A MINIMUM OF TWO STOP SIGNS PER APPROACH WHEN THE INTERSECTION IS OPERATING IN AL-RED FLASH MODE. THE TRAFFIC SIGNALS MAY BE PLACED INTO ALL-RED FLASH MODE BETWEEN THE HOURS OF 8:30AM AND 3:00PM ONLY.
3. THE CONTRACTOR SHALL RESTORE THE TRAFFIC SIGNALS TO NORMAL OPERATION AT ALL OTHER TIMES, UNLESS SPECIFICALLY DIRECTED OTHERWISE BY THE ENGINEER.
4. THE CONTRACTOR WILL BE ALLOWED TO PLACE THE INTERSECTION INTO FLASH FOR A MAXIMUM OF FIVE DAYS PER EACH LOCATION.
5. THE CONTRACTOR WILL BE ALLOWED TO MAKE TEMPORARY SPLICES AS NEEDED TO FACILITATE THE INSTALLATION OF THE PROPOSED TRAFFIC SIGNAL EQUIPMENT.
6. ALL COSTS (LABOR, MATERIALS, AND EQUIPMENT) ASSOCIATED WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE CONTRACT BID PRICE. THERE WILL BE NO ADDITIONAL COMPENSATION FOR ITEMS REQUIRED TO IMPLEMENT STAGING, INCLUDING, BUT NOT LIMITED TO, TEMPORARY CABLE SPLICES, TEMPORARY TRAFFIC POSTS, AND PREMIUM TIME HOURS.

**CONSTRUCTION NOTES**

1. THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
3. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
4. THE LOCATIONS FOR HANDHOLES AND CONCRETE FOUNDATIONS ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.
5. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
6. THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER AND MAINTAIN A 16 FT. MINIMUM CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY TO BOTTOM OF THE SIGNAL BACKPLATE.
7. ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE GALVANIZED STEEL WITH A NATURAL FINISH.
8. ALL TRAFFIC SIGNAL STRUCTURES SHALL BE BONDED IN ACCORDANCE WITH NEC REQUIREMENTS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C" AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS (INCLUDING CLAMPS, HARDWARE, ELECTRICAL CABLE, AND ALL OTHER ITEMS REQUIRED TO BOND THE STRUCTURES).
9. THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.
10. ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
11. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BIDDING. THERE WILL BE NO ADDITIONAL COMPENSATION PAID FOR CLAIMS THAT ARISE FROM A FAILURE TO FULLY VERIFY FIELD CONDITIONS.
12. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.
13. ANY MAINTENANCE OF EXISTING TRAFFIC SIGNALS WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
14. THE HANDHOLES SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE SHOULDER OR GROUND LINE.
15. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
16. COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC PUSHED OR TRENCHED.
17. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
18. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
19. THE CONTRACTOR SHALL RELOCATE SIGNS FROM THE EXISTING MAST ARMS AND TRAFFIC SIGNAL POSTS TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL POSTS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL POSTS.
20. ALL PROPOSED SIGNS SHALL INCLUDE THE BLOCK NUMBERING AT THE BOTTOM OF THE SIGN.
21. THE EXISTING LOOP LEAD-IN CABLES SHALL REMAIN INTACT AND OPERATIONAL FOR THE PROPOSED TRAFFIC SIGNALS.
22. AT FARMINGTON RD. & MAXWELL RD., THE CONTRACTOR SHALL INSTALL THE PROPOSED CONCRETE FOUNDATIONS BEHIND THE EXISTING DRAINAGE DITCH NORTH OF FARMINGTON RD. THIS SHALL BE DONE WITHOUT ALTERING OR CHANGING THE EXISTING DRAINAGE CONDITIONS.
23. THE CONTRACTOR SHALL FURNISH ONE 20A 1-POLE CIRCUIT BREAKER, BUTTON PHOTOCCELL, TERMINAL BLOCK WIRING, AND ALL OTHER ITEMS REQUIRED TO PROVIDE PHOTOCCELL CONTROLLER POWER TO THE PROPOSED LUMINAIRES AT FARMINGTON RD. & MAXWELL RD. THESE ITEMS SHALL BE INSTALLED IN THE EXISTING TRAFFIC SIGNAL CABINET. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED DUAL MAST ARM ASSEMBLY.
24. THE BOLT CIRCLE OF THE PROPOSE LIGHT POLE (HL-2) AT IL 8 (FARMINGTON RD.) & MAIN ST. SHALL MATCH THE BOLT CIRCLE OF THE EXISTING MAST ARM FOUNDATION. THE CONTRACTOR SHALL VERIFY THE BOLT CIRCLE OF THE EXISTING MAST ARM PRIOR TO RELEASING MATERIAL.
25. WITHIN THIRTY CALENDAR DAYS AFTER CONTRACT EXECUTION, THE CONTRACTOR SHALL SUBMIT J.U.L.I.E. TICKETS TO HAVE THE UNDERGROUND UTILITIES MARKED AT EACH INTERSECTION AND THEN SCHEDULE ON-SITE MEETINGS AT EACH LOCATION WITH THE RESIDENT ENGINEER AND IDOT D4 TRAFFIC OPERATIONS TO DETERMINE AND MARK THE EXACT PLACEMENT OF THE PROPOSED TRAFFIC SIGNAL COMPONENTS AND LIMITS OF SIDEWALK REMOVAL.

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PLOT DATE = 3/19/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	3
CONTRACT NO. 68G54			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QTY.	CONST. CODE	CONST. CODE	CONST. CODE	CONST. CODE
				0021	0021	0021	0021
				PEORIA CTY	PEORIA CTY	PEORIA CTY	PEORIA CTY
				80% FEDERAL	80% FEDERAL	80% FEDERAL	80% FEDERAL
				20% STATE	10% STATE	13.3% STATE	15% STATE
0% CITY	10% CITY	6.7% CITY	5% CITY				
				URBAN	URBAN	URBAN	URBAN
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	160.0		70.0	15.0	75.0
44000600	SIDEWALK REMOVAL	SQ FT	183.0		80.0	15.0	88.0
67100100	MOBILIZATION	L SUM	1.0	0.1	0.4	0.3	0.2
72000100	SIGN PANEL - TYPE 1	SQ FT	23.8	5.0		18.8	
72000200	SIGN PANEL - TYPE 2	SQ FT	200.3	33.8	75.8	53.5	37.2
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	15.0			15.0	
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	15.0			15.0	
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	498.0	70.0	53.0	260.0	115.0
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2.0			1.0	1.0
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1083.0	428.0		655.0	
83060440	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 12 FT. MAST ARM	EACH	1.0			1.0	
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1300.5	248.0		1052.5	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	6828.5	674.0	1640.5	3745.0	769.0
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1903.0	350.5	526.0	868.0	158.5
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	777.5	108.0	128.0	363.0	178.5
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	9.0	2.0	4.0	3.0	
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	6.0	1.0		5.0	

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	4
		CONTRACT NO. 68G54		
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES (CONTINUED)

ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QTY.	CONST. CODE	CONST. CODE	CONST. CODE	CONST. CODE
				0021	0021	0021	0021
				PEORIA CTY	PEORIA CTY	PEORIA CTY	PEORIA CTY
				80% FEDERAL	80% FEDERAL	80% FEDERAL	80% FEDERAL
				20% STATE	10% STATE	13.3% STATE	15% STATE
0% CITY	10% CITY	6.7% CITY	5% CITY				
				URBAN	URBAN	URBAN	URBAN
87601100	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EACH	1.0			1.0	
87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	2.0		2.0		
87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1.0		1.0		
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1.0				1.0
87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	2.0			1.0	1.0
87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1.0		1.0		
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	2.0			1.0	1.0
87700418	STEEL MAST ARM ASSEMBLY AND POLE, 68 FT.	EACH	1.0		1.0		
87700420	STEEL MAST ARM ASSEMBLY AND POLE, 70 FT.	EACH	1.0			1.0	
87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1.0			1.0	
87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1.0	1.0			
87704339	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 48 FT.	EACH	1.0	1.0			
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3.0			3.0	
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30.0		30.0		
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	111.0	28.0	13.0	35.0	35.0
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	46.0		21.0	25.0	

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STATE OF ILLINOIS  
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SUMMARY OF QUANTITIES (CONTINUED)

SCALE: SHEET OF SHEETS STA. TO STA.

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SUMMARY OF QUANTITIES (CONTINUED)

ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QTY.	CONST. CODE	CONST. CODE	CONST. CODE	CONST. CODE
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				PEORIA CTY	PEORIA CTY	PEORIA CTY	PEORIA CTY
				80% FEDERAL	80% FEDERAL	80% FEDERAL	80% FEDERAL
				20% STATE	10% STATE	13.3% STATE	15% STATE
0% CITY	10% CITY	6.7% CITY	5% CITY				
				URBAN	URBAN	URBAN	URBAN
87900100	DRILL EXISTING FOUNDATION	EACH	4.0		2.0	1.0	1.0
87900200	DRILL EXISTING HANDHOLE	EACH	12.0	2.0	3.0	5.0	2.0
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7.0			7.0	
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	35.0	6.0	12.0	10.0	7.0
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	5.0	1.0		4.0	
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2.0	1.0		1.0	
88102710	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	11.0	2.0	2.0	6.0	1.0
88102740	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	8.0		4.0	2.0	2.0
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	49.0	8.0	12.0	22.0	7.0
88800100	PEDESTRIAN PUSH-BUTTON	EACH	18.0	2.0	8.0	8.0	
89502220	MODIFY EXISTING CONCRETE FOUNDATION	EACH	5.0		3.0	2.0	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	6.0	1.0	2.0	2.0	1.0
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	11.0	2.0	3.0	3.0	3.0
X1400227	ROADWAY LUMINAIRE, SPECIAL (INSTALL ONLY)	EACH	4.0	2.0		2.0	
X4403300	CONCRETE MEDIAN REMOVAL	SQ FT	42.0			42.0	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0	0.1	0.4	0.3	0.2

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SUMMARY OF QUANTITIES (CONTINUED)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE. VAR.	SECTION D4 MAST ARM REPLACEMENT 2021	COUNTY PEORIA	TOTAL SHEETS 40	SHEET NO. 6
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SCHEDULE OF QUANTITIES

PEORIA COUNTY  
CITY OF PEORIA

ITEM DESCRIPTION	UNIT	TOTAL QTY.	FARMINGTON RD. & MAXWELL RD.	IL 8 (FARMINGTON RD.) & MAIN ST.	IL 8/ IL 116 (MACARTHUR HWY.) & SW JEFFERSON ST.	IL 8/ IL 116 (MACARTHUR HWY.) & SW ADAMS ST.	SW ADAMS ST. & GRISWOLD ST.	IL 29 (NE JEFFERSON ST.) & SPRING ST.
			QTY.	QTY.	QTY.	QTY.	QTY.	QTY.
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	160.0		15.0	70.0	75.0		
SIDEWALK REMOVAL	SQ FT	183.0		15.0	80.0	88.0		
MOBILIZATION	L SUM	1.0	0.1	0.2	0.2	0.2	0.1	0.2
SIGN PANEL - TYPE 1	SQ FT	23.8	5.0	13.8			5.0	
SIGN PANEL - TYPE 2	SQ FT	200.3	33.8	27.6	31.6	37.2	25.9	44.2
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	15.0		15.0				
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	15.0					15.0	
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	498.0	70.0	129.0	40.0	115.0	131.0	13.0
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2.0		1.0		1.0		
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1083.0	428.0	655.0				
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 12 FT. MAST ARM	EACH	1.0		1.0				
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1300.5	248.0	626.5			426.0	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	6828.5	674.0	1970.5	487.0	769.0	1774.5	1153.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1903.0	350.5	461.0		158.5	407.0	526.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	777.5	108.0	179.5	77.5	178.5	183.5	50.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	9.0	2.0	2.0			1.0	4.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	6.0	1.0	2.0			3.0	
PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EACH	1.0		1.0				
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	2.0			1.0			1.0
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1.0						1.0
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1.0				1.0		
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	2.0				1.0	1.0	
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1.0			1.0			
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	2.0				1.0	1.0	
STEEL MAST ARM ASSEMBLY AND POLE, 68 FT.	EACH	1.0						1.0

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PLOT DATE = 3/19/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	7
		CONTRACT NO. 68G54		
		ILLINOIS FED. AID PROJECT		

SCHEDULE OF QUANTITIES (CONTINUED)

PEORIA COUNTY  
CITY OF PEORIA

ITEM DESCRIPTION	UNIT	TOTAL QTY.	FARMINGTON RD. & MAXWELL RD.	IL 8 (FARMINGTON RD.) & MAIN ST.	IL 8/ IL 116 (MACARTHUR HWY.) & SW JEFFERSON ST.	IL 8/ IL 116 (MACARTHUR HWY.) & SW ADAMS ST.	SW ADAMS ST. & GRISWOLD ST.	IL 29 (NE JEFFERSON ST.) & SPRING ST.
			QTY.	QTY.	QTY.	QTY.	QTY.	QTY.
STEEL MAST ARM ASSEMBLY AND POLE, 70 FT.	EACH	1.0		1.0				
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1.0		1.0				
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1.0	1.0					
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 48 FT.	EACH	1.0	1.0					
CONCRETE FOUNDATION, TYPE A	FOOT	3.0					3.0	
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30.0			10.0			20.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	111.0	28.0	11.0	13.0	35.0	24.0	
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	46.0		25.0				21.0
DRILL EXISTING FOUNDATION	EACH	4.0		1.0	2.0	1.0		
DRILL EXISTING HANDHOLE	EACH	12.0	2.0	2.0		2.0	3.0	3.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7.0		5.0			2.0	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	35.0	6.0	4.0	5.0	7.0	6.0	7.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	5.0	1.0	2.0			2.0	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2.0	1.0	1.0				
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	11.0	2.0	4.0	2.0	1.0	2.0	
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	8.0		1.0		2.0	1.0	4.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	49.0	8.0	12.0	5.0	7.0	10.0	7.0
PEDESTRIAN PUSH-BUTTON	EACH	18.0	2.0	4.0			4.0	8.0
MODIFY EXISTING CONCRETE FOUNDATION	EACH	5.0		2.0				3.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	6.0	1.0	1.0	1.0	1.0	1.0	1.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	11.0	2.0	1.0	3.0	3.0	2.0	
ROADWAY LUMINAIRE, SPECIAL (INSTALL ONLY)	EACH	4.0	2.0	2.0				
CONCRETE MEDIAN REMOVAL	SQ FT	42.0		42.0				
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0	0.1	0.2	0.2	0.2	0.1	0.2

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	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

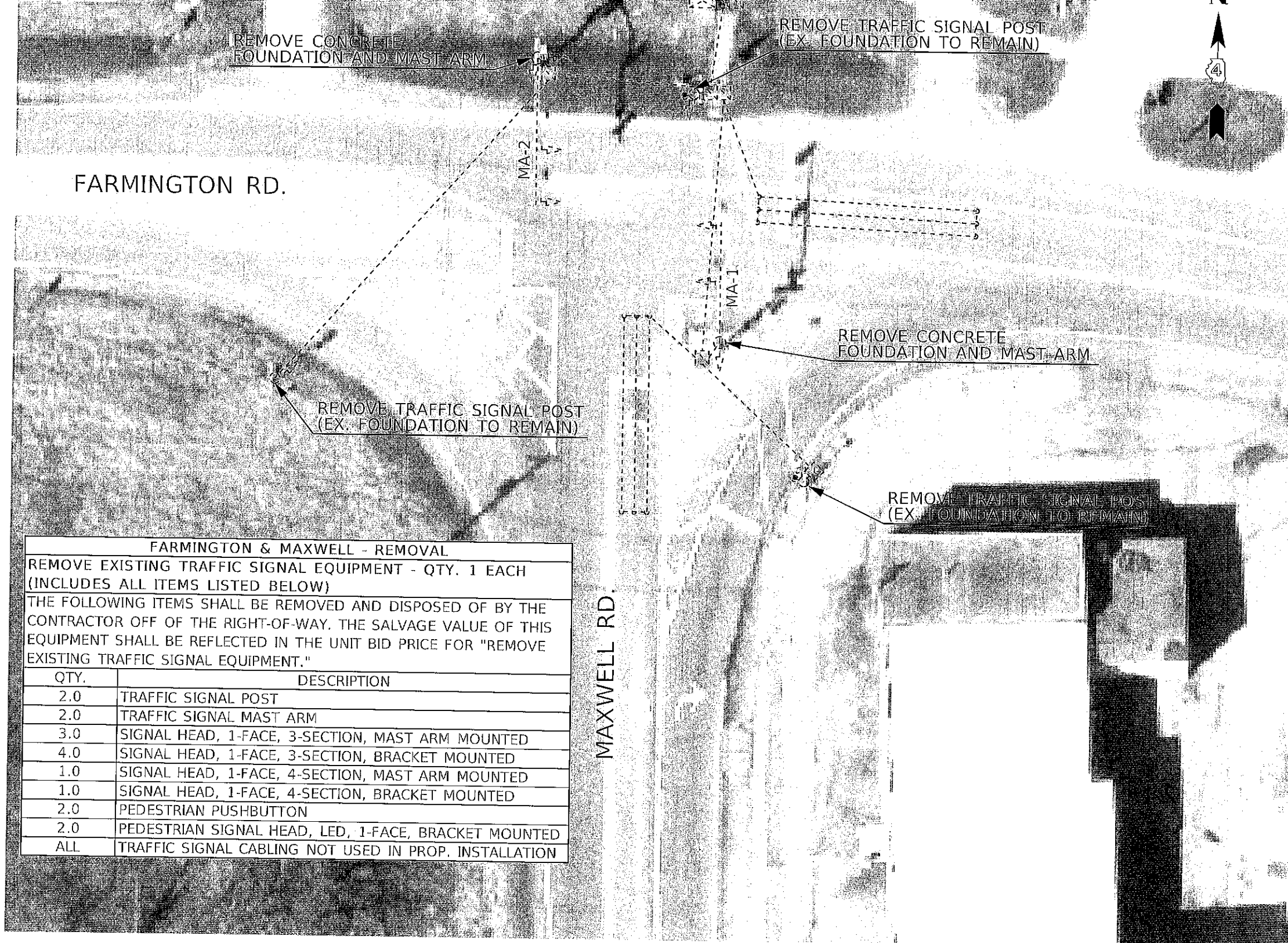
SCHEDULE OF QUANTITIES (CONTINUED)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	8
		CONTRACT NO. 68G54		
ILLINOIS FED. AID PROJECT				



FARMINGTON & MAXWELL - REMOVAL		
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QTY.
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0



- NOTES:
1. THE EXISTING LOOP LEAD-IN CABLES SHALL REMAIN INTACT AND OPERATIONAL FOR THE PROPOSED DESIGN.
  2. THE CONTRACTOR SHALL REMOVE THE CONCRETE FOUNDATION FOR MA-1 FLUSH WITH THE MEDIAN SURFACE AND CAP THE CONDUIT (COST INCLUDED IN THE REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PAY ITEM.)

FARMINGTON & MAXWELL - REMOVAL	
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - QTY. 1 EACH (INCLUDES ALL ITEMS LISTED BELOW)	
THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY. THE SALVAGE VALUE OF THIS EQUIPMENT SHALL BE REFLECTED IN THE UNIT BID PRICE FOR "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."	
QTY.	DESCRIPTION
2.0	TRAFFIC SIGNAL POST
2.0	TRAFFIC SIGNAL MAST ARM
3.0	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
4.0	SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
1.0	SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED
1.0	SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
2.0	PEDESTRIAN PUSHBUTTON
2.0	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED
ALL	TRAFFIC SIGNAL CABLING NOT USED IN PROP. INSTALLATION

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	DATE -	REVISED -

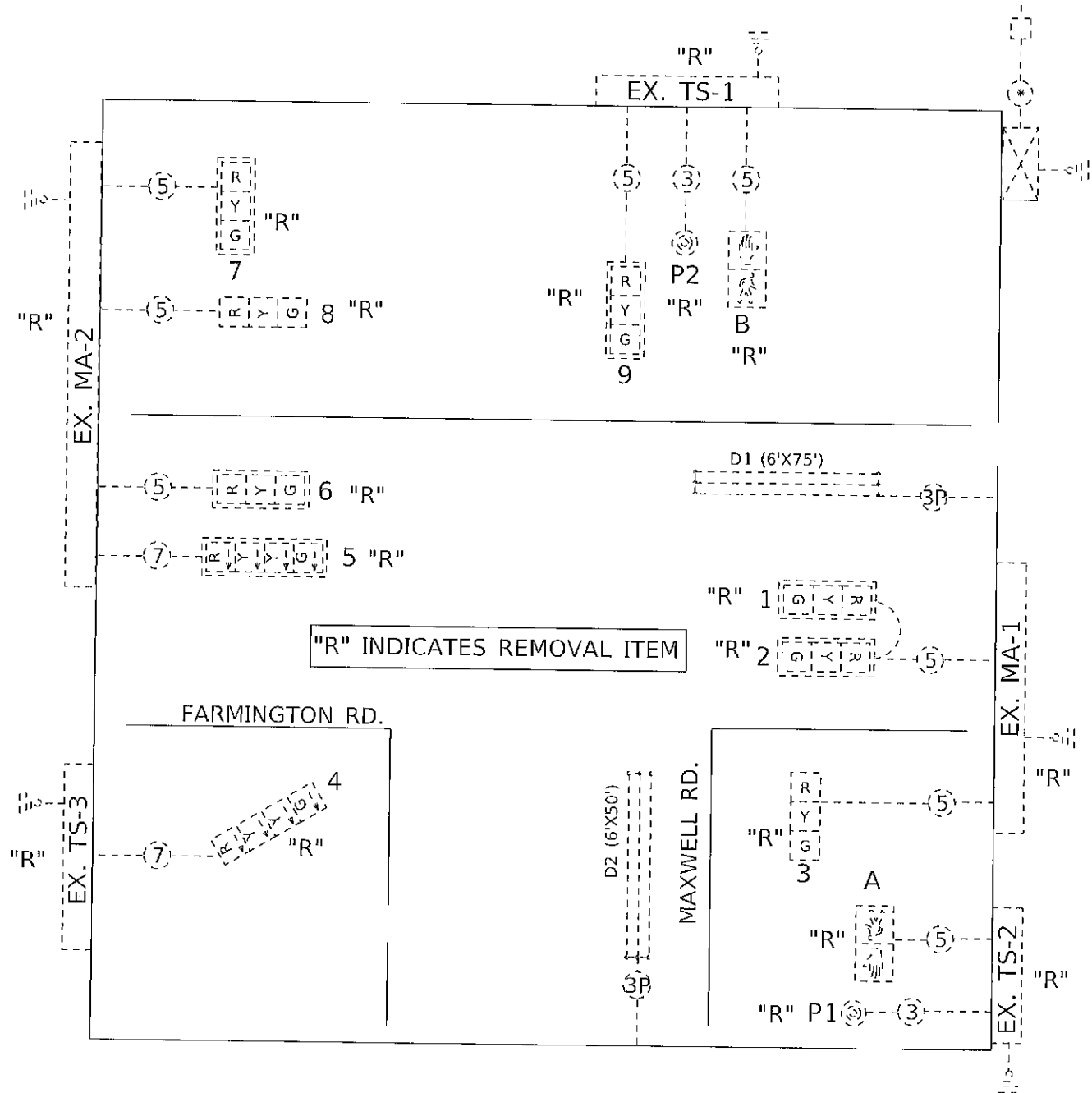
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DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL PLANS & REMOVAL ITEMS  
FARMINGTON RD. & MAXWELL RD. - PEORIA COUNTY

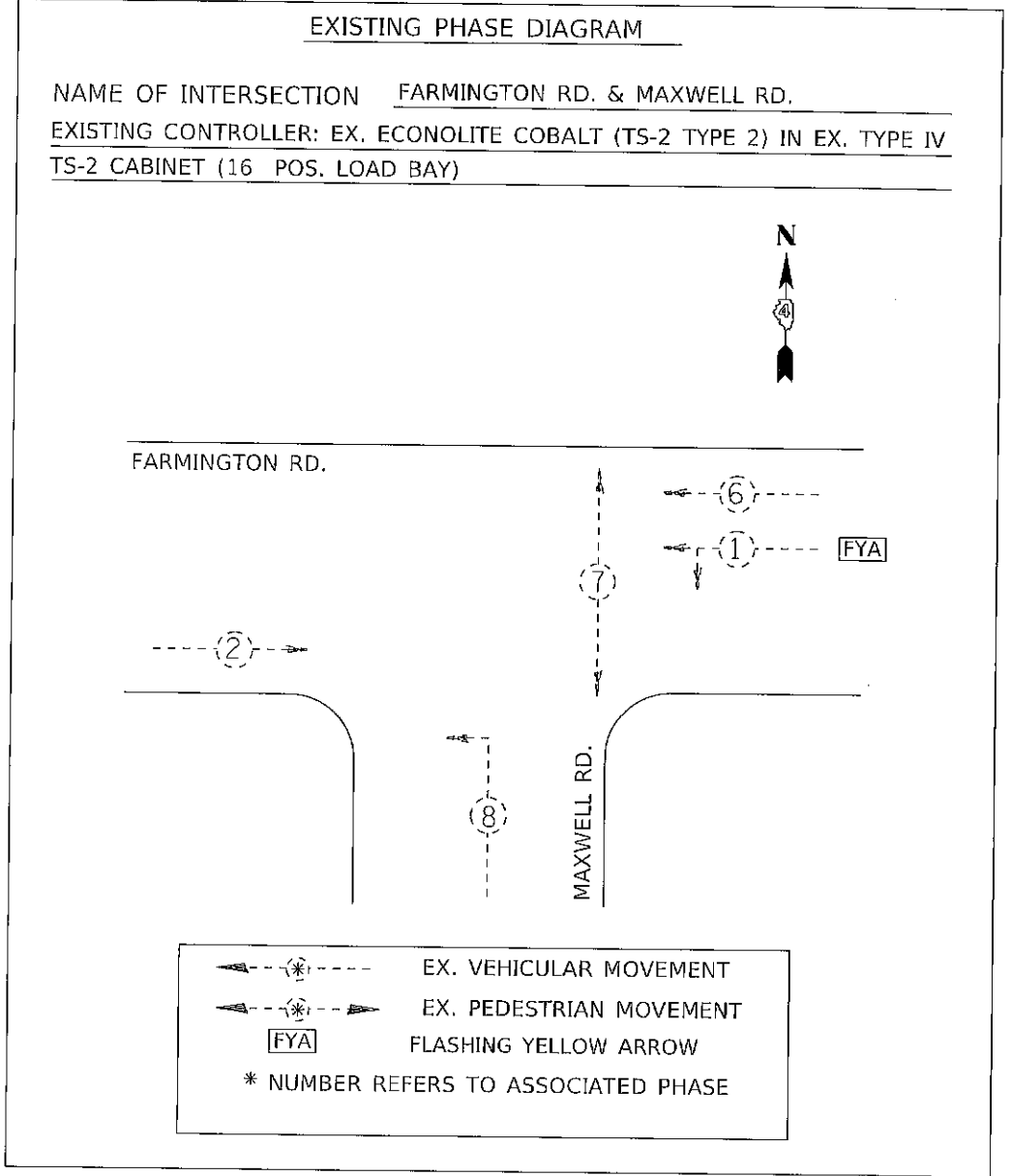
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4	70-0105-1000-1	PEORIA	40	9
CONTRACT NO. 68G54			ILLINOIS FED. AID PROJECT	

NOT TO SCALE



"R" INDICATES REMOVAL ITEM



TRAFFIC SIGNALS LEGEND

	EX. TRAFFIC SIGNAL CONTROLLER CABINET		EX. 3 SEC. SIGNAL HEAD W/BACKPLATE		EX. NO. 18 3-PR DETECTOR LOOP CABLE
	EX. ELECTRIC SERVICE		EX. 3 SEC. SIGNAL HEAD WITHOUT BACKPLATE		EX. 3/C NO. 14 SIGNAL CABLE
	EX. QUADRAPOLE DETECTOR LOOP		PROP. 4 SEC. SIGNAL HEAD W/BACKPLATE		EX. 5/C NO. 14 SIGNAL CABLE
	EX. GROUND/SAFETY BOND		PROP. 4 SEC. SIGNAL HEAD WITHOUT BACKPLATE		EX. 7/C NO. 14 SIGNAL CABLE
	EX. PEDESTRIAN PUSHBUTTON		PROP. 4 SEC. SIGNAL HEAD WITHOUT BACKPLATE		EX. 1/C NO. 6 CABLE
	EX. PEDESTRIAN SIGNAL HEAD				

NOT TO SCALE

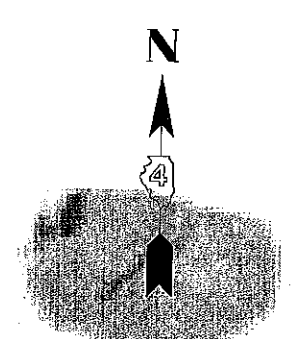
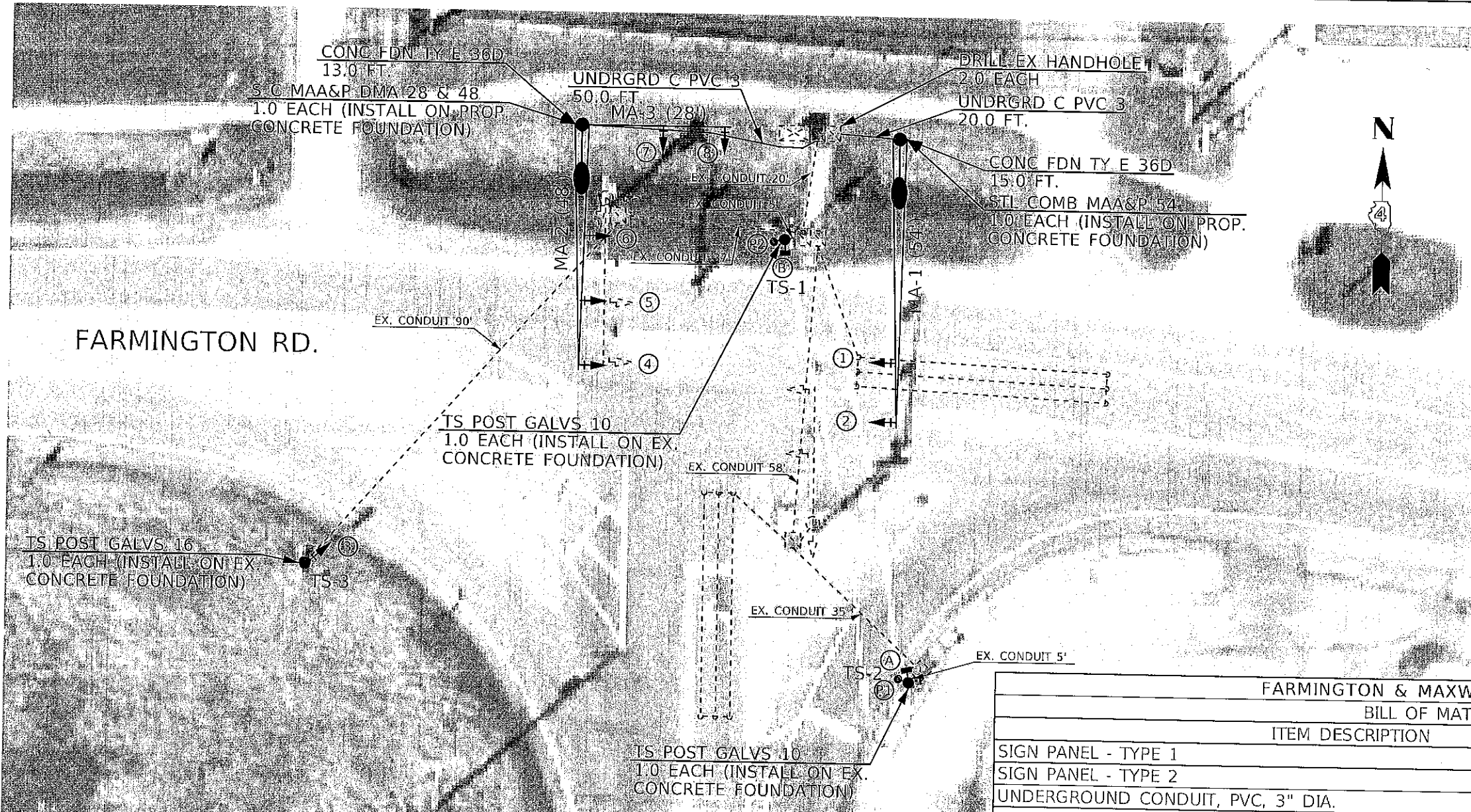
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EXISTING CABLE &amp; PHASE DIAGRAMS</b>	
<b>FARMINGTON RD. &amp; MAXWELL RD. - PEORIA</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	10
CONTRACT NO. 68G54				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. THE EXISTING LOOP LEAD-IN CABLES SHALL REMAIN INTACT AND OPERATIONAL FOR THE PROPOSED DESIGN.
  2. THE CONTRACTOR SHALL INSTALL THE PROPOSED CONCRETE FOUNDATIONS BEHIND THE EXISTING DRAINAGE DITCH NORTH OF FARMINGTON RD. THIS SHALL BE DONE WITHOUT ALTERING OR CHANGING THE EXISTING DRAINAGE CONDITIONS.

FARMINGTON RD. & MAXWELL RD.			
MAST ARM SCHEDULE			
REF	LOCATION	LENGTH	DESCRIPTION
MA-1	NE QUAD	54 FT.	STL COMB MAA&P
MA-2*	NW QUAD	48 FT.	S C MAA&P DMA
MA-3*	NW QUAD	28 FT.	S C MAA&P DMA

\* DUAL MAST ARM STRUCTURE

FARMINGTON RD. & MAXWELL RD.			
TRAFFIC SIGNAL HEAD SCHEDULE			
QTY.	UNIT	ITEM	LOCATION
6.0	EACH	SH P LED 1F 3S MAM	1,2,5,6,7,8
1.0	EACH	SH P LED 1F 4S BM	3
1.0	EACH	SH P LED 1F 4S MAM	4
8.0	EACH	TS BACKPLATE RET-REFL	1,2,3,4,5,6,7,8
2.0	EACH	PED SH LED 1F BM	A,B

FARMINGTON & MAXWELL - PROPOSED		
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	5.0
SIGN PANEL - TYPE 2	SQ FT	33.8
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	70.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	428.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	248.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	674.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	350.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	108.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 48 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28.0
DRILL EXISTING HANDHOLE	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1.0
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	8.0
PEDESTRIAN PUSH-BUTTON	EACH	2.0
ROADWAY LUMINAIRE, SPECIAL (INSTALL ONLY)	EACH	2.0

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL PLANS  
FARMINGTON RD. & MAXWELL RD. - PEORIA COUNTY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	DD-4485 (PARTIAL) REPEAL CHARTER 2021	PEORIA	40	11
CONTRACT NO. 68G54			ILLINOIS FED. AID PROJECT	

NOT TO SCALE

SCALE: SHEET OF SHEETS STA. TO STA.