

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

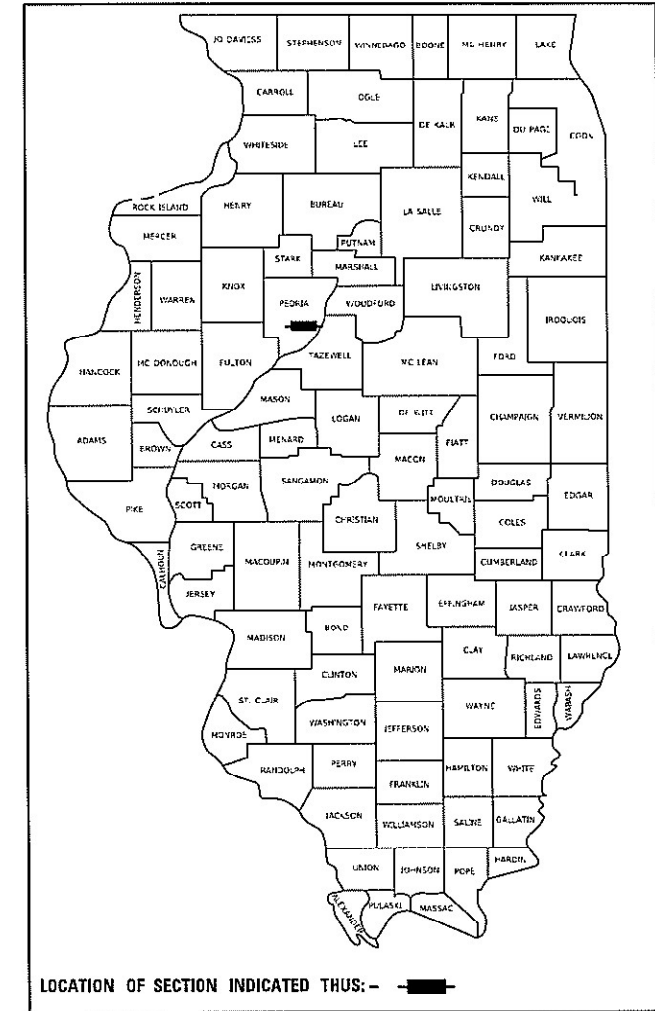
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	1
		ILLINOIS	CONTRACT NO. 68G54	

INDEX OF SHEETS:
SEE SHEET 2 FOR INDEX OF SHEETS

**PROPOSED
HIGHWAY PLANS**

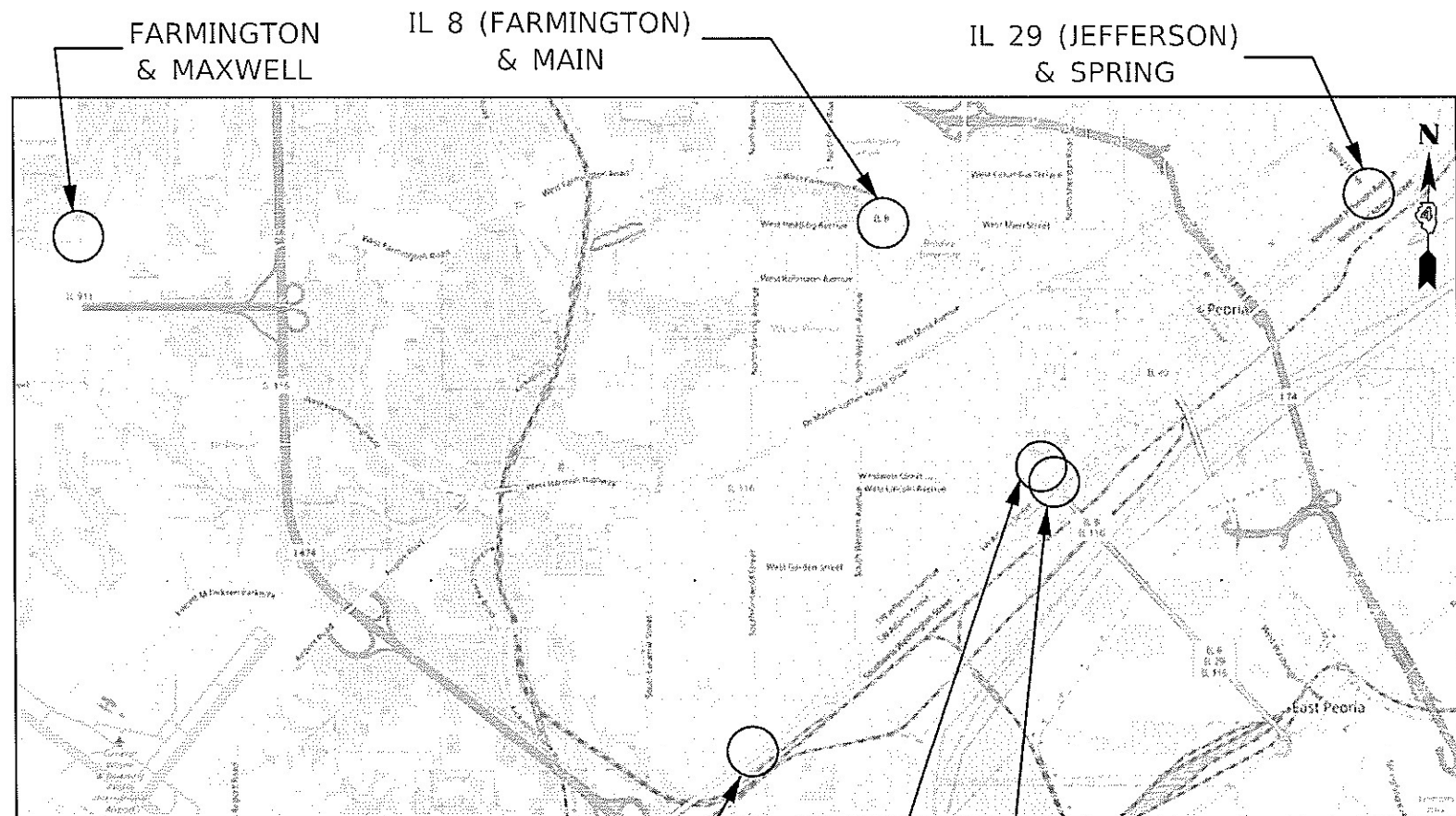
VARIOUS ROUTES
D4 MAST ARM REPLACEMENT 2021
PEORIA COUNTY
PROJECT NO. STP-J1LG(133)
C-94-076-21

D-94-056-21



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.



ADAMS &
GRISWOLD

IL 8/ IL 116 (MACARTHUR)
& ADAMS

IL 8/ IL 116 (MACARTHUR)
& JEFFERSON

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
Kensie A Barnett RSD
REGIONAL ENGINEER

May 7, 2021 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 7, 2021 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

NO COMMITMENTS HAVE BEEN MADE IN CONJUNCTION WITH THIS PROJECT.

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39	SIGN DETAILS
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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 -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS, INDEX OF SHEETS, AND HIGHWAY STANDARDS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 23,8272' = 1"	DRAWN -	REVISED -				VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	2
PLOT DATE = 3/19/2021	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT CONTRACT NO. 68G54						

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
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.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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FILE NAME: C:\Users\hansonj\Documents\GEN\Transp - Bureau\68G54 - Farmington Rd & Maxwell Rd Traffic Signal Replacement 2021 - Final\03-19-21.dgn

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PLOT DATE = 3/19/2021	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
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	16.0		8.0	4.0	4.0
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4.0		2.0	1.0	1.0
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1.0		0.4	0.3	0.3
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1.0		0.4	0.3	0.3
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5.0		2.0	2.0	1.0
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

SHEET REVISED 3-26-21 TJH *= SPECIALTY ITEM

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PLOT DATE = 3/29/2021	DATE -	REVISED -

**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
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				PEORIA CTY	PEORIA CTY	PEORIA CTY	PEORIA CTY
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				20% STATE	10% STATE	13.3% STATE	15% STATE
0% CITY	10% CITY	6.7% CITY	5% CITY				
				URBAN	URBAN	URBAN	URBAN
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	
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		

SHEET REVISED 3-26-21 TJH

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PLOT SCALE = 23,8272 */ in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY 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	5
		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
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	
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

SHEET REVISED 3-26-21 TJH

MODEL: D:\p\h\... FILE NAME: S:\CEN\W\W\ORD\ESP\AN\Barson# 68G54 Mast Arm Replacement 2021 03-26-21.dgn

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PLOT DATE = 3/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY 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	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G54	

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		
NON-SPECIAL WASTE DISPOSAL	CU YD	16.0			4.0	4.0	4.0	4.0
SOIL DISPOSAL ANALYSIS	EACH	4.0			1.0	1.0	1.0	1.0
REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1.0			0.2	0.3	0.3	0.2
REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1.0			0.2	0.3	0.3	0.2
REGULATED SUBSTANCES MONITORING	CAL DA	5.0			1.0	1.0	2.0	1.0
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			

SHEET REVISED 3-26-21 TJH

MODEL PATH: S:\CEN\W\W\RD\ESP\AN\barson\# 68G54 Mast Arm Replacement 2021\68G54 D4 Mast Arm Replacement 2021 (03-26-21).dgn

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PLOT DATE = 3/29/2021	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, 48 FT.	EACH	2.0				1.0	1.0	
STEEL MAST ARM ASSEMBLY AND POLE, 68 FT.	EACH	1.0						1.0
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

SHEET REVISED 3-26-21 TJH

MODEL PATH: S:\CEN\W\W\ORD\ESP\AN\Hanson\# 68G54 Mast Arm Replacement 2021\68G54 D4 Mast Arm Replacement 2021 (03-26-21).dgn

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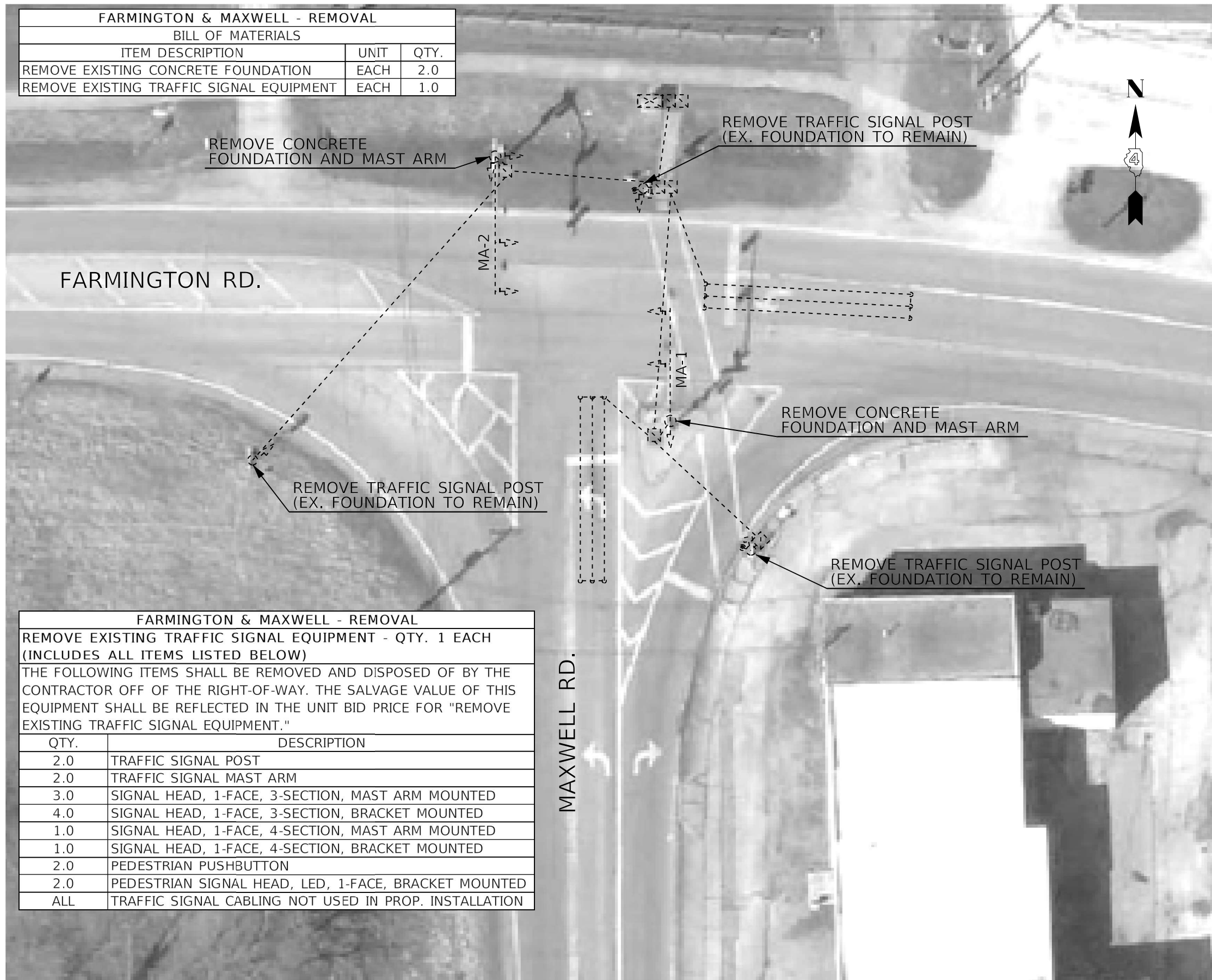
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

NOT TO SCALE

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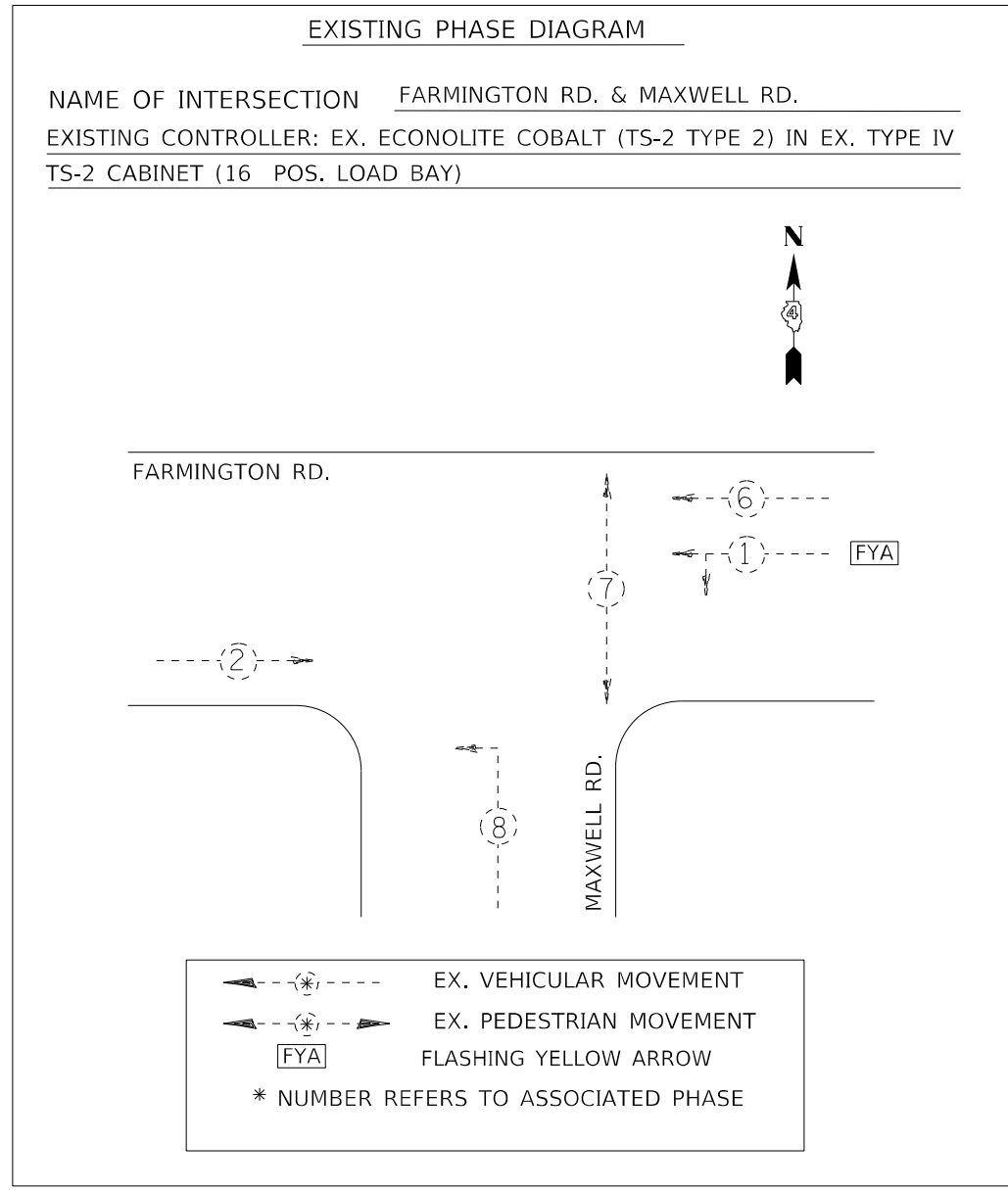
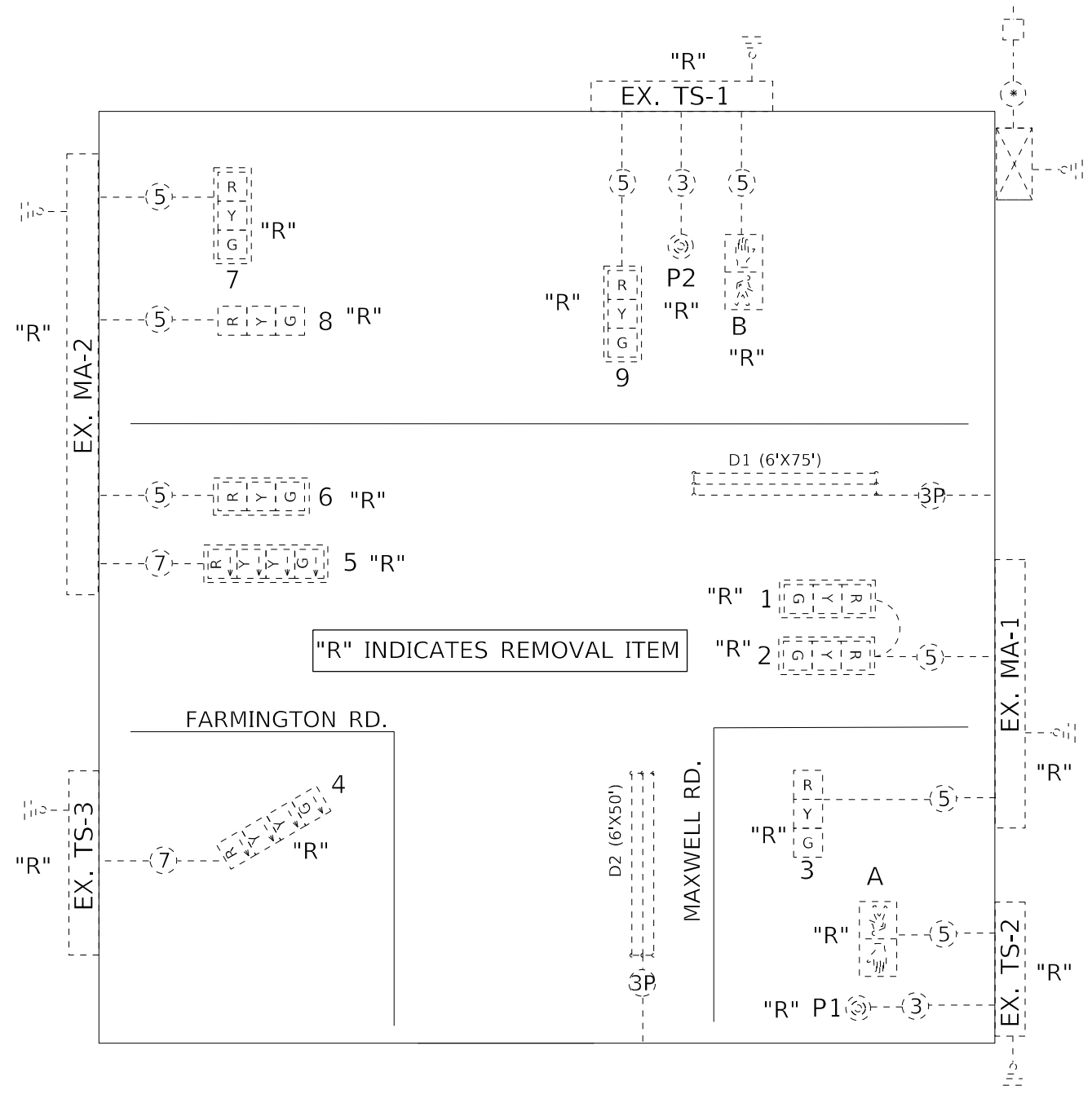
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	DATE -	REVISED -

**STATE OF ILLINOIS
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.
	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	9
			CONTRACT NO. 68G54	
ILLINOIS FED. AID PROJECT				



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		EX. PEDESTRIAN SIGNAL HEAD		EX. 1/C NO. 6 CABLE

NOT TO SCALE

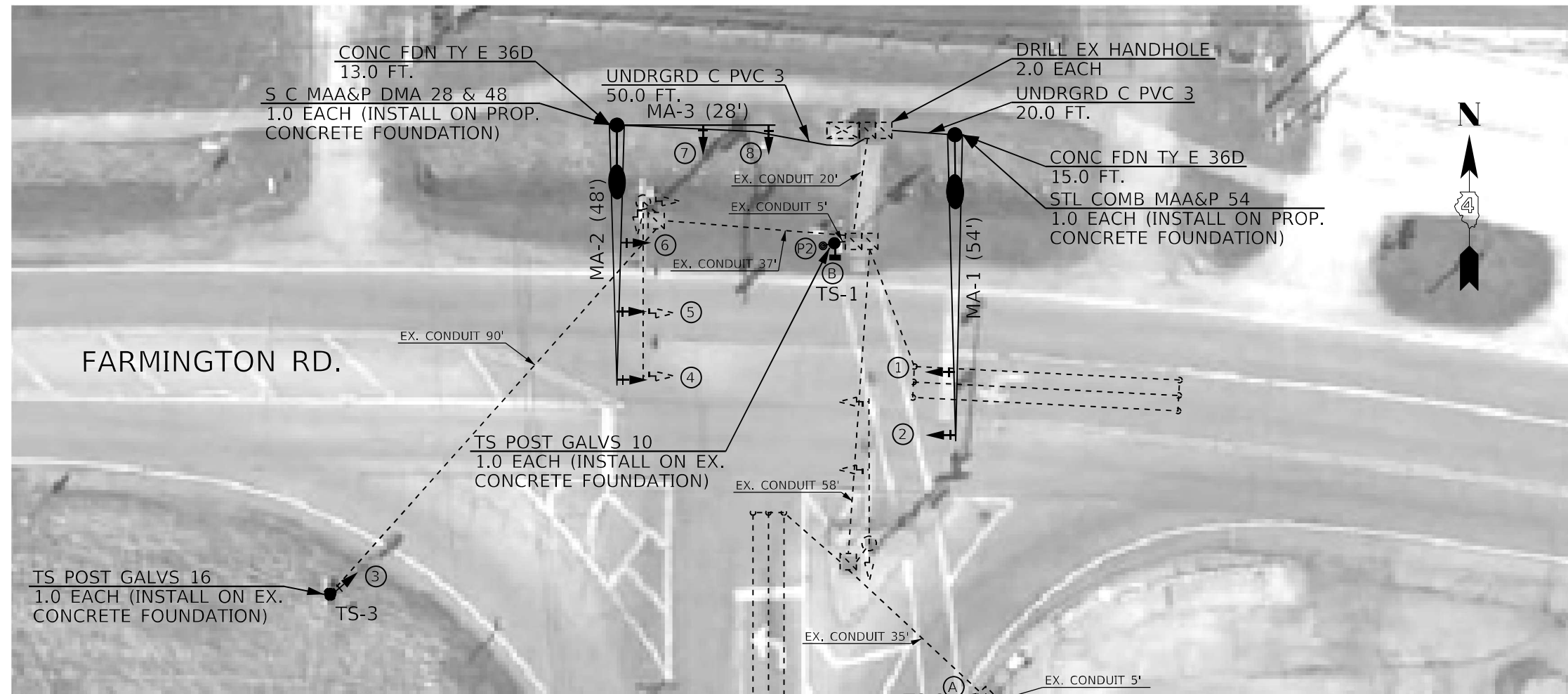
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PLOT DATE = 3/19/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CABLE & PHASE DIAGRAMS			
FARMINGTON RD. & MAXWELL RD. - PEORIA			
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
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G54	



- 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

NOT TO SCALE

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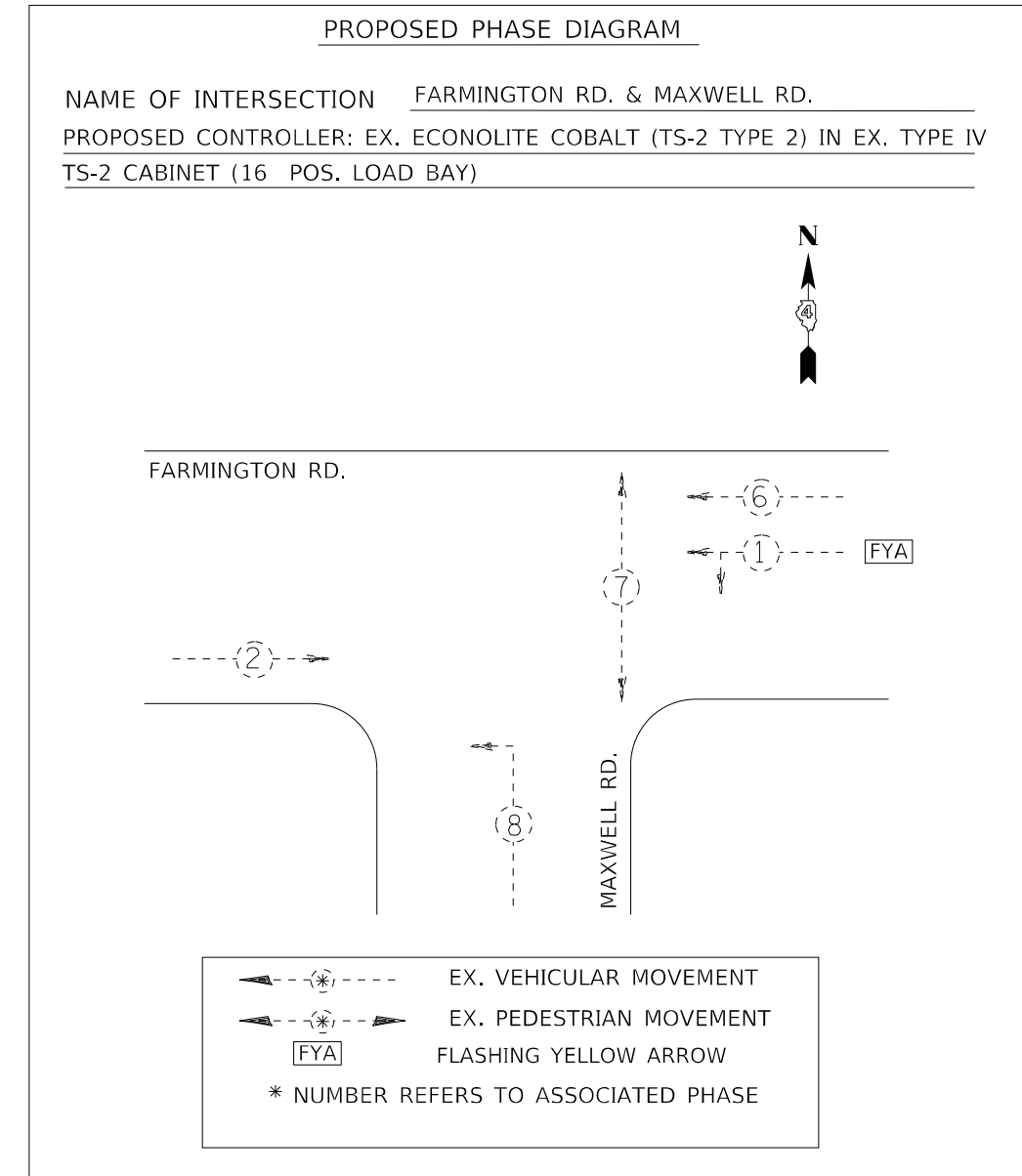
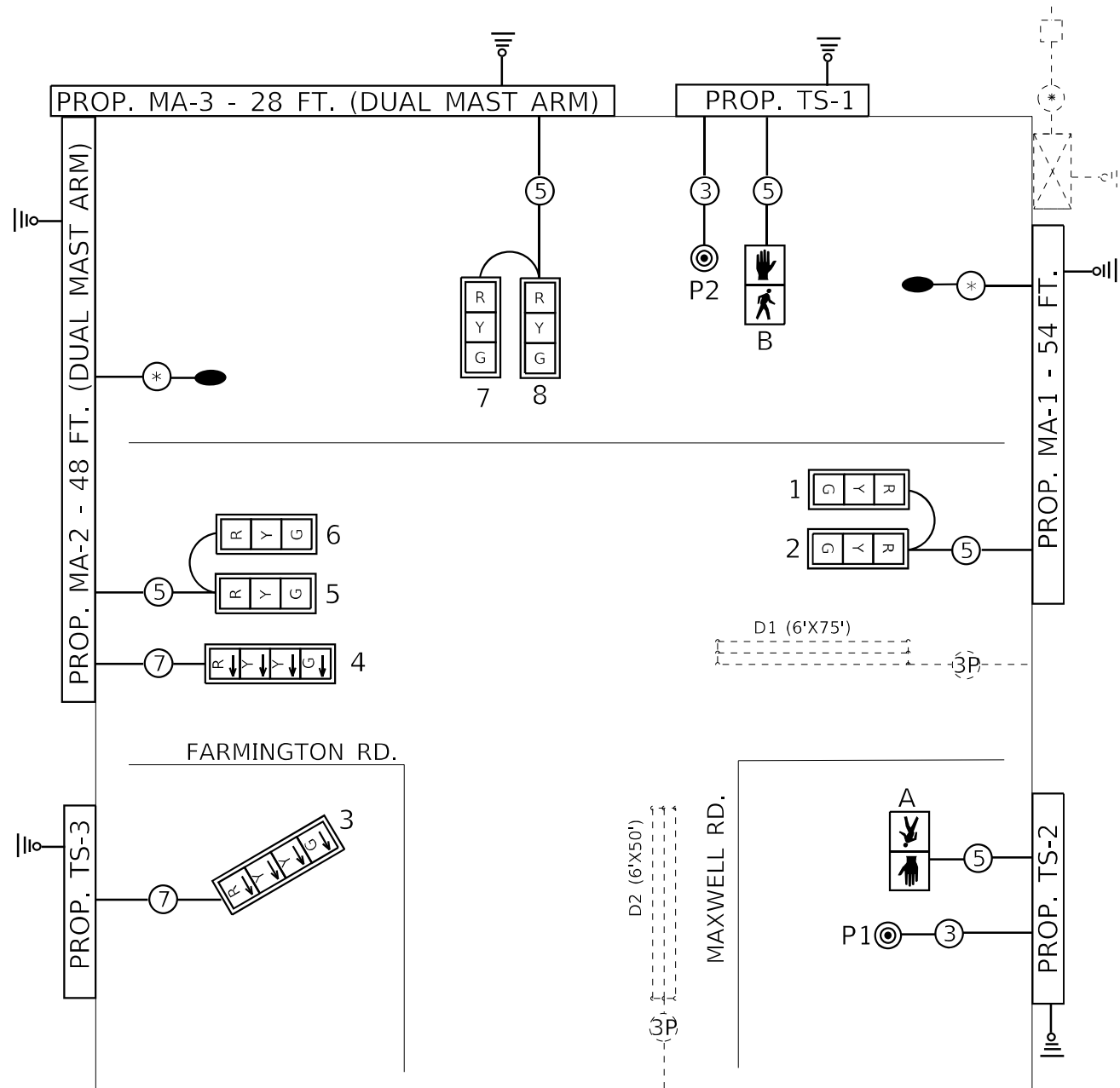
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	11
		CONTRACT NO. 68G54		
		ILLINOIS FED. AID PROJECT		

SCALE: SHEET OF SHEETS STA. TO STA.



TRAFFIC SIGNALS LEGEND

<p> EX. TRAFFIC SIGNAL CONTROLLER CABINET</p> <p> EX. ELECTRIC SERVICE</p> <p> PROP. LED LUMINAIRE</p> <p> EX. QUADRAPOLE DETECTOR LOOP</p> <p> EX. DETECTOR LOOP</p>	<p> PROP. 3 SEC. SIGNAL HEAD W/BACKPLATE</p> <p> PROP. 4 SEC. SIGNAL HEAD W/BACKPLATE</p> <p> PROP. PEDESTRIAN SIGNAL HEAD</p> <p> PROP. PEDESTRIAN PUSHBUTTON</p> <p> PROP. GROUND/SAFETY BOND</p> <p> EX. GROUND/SAFETY BOND</p>	<p> EX. 1/C NO. 6 CABLE</p> <p> EX. NO. 18 3-PR DETECTOR LOOP CABLE</p> <p> PROP. 5/C NO. 14 SIGNAL CABLE</p> <p> PROP. 7/C NO. 14 SIGNAL CABLE</p> <p> PROP. 1/C NO. 6 CABLE X 2</p>
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NOTES:

- 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.

NOT TO SCALE

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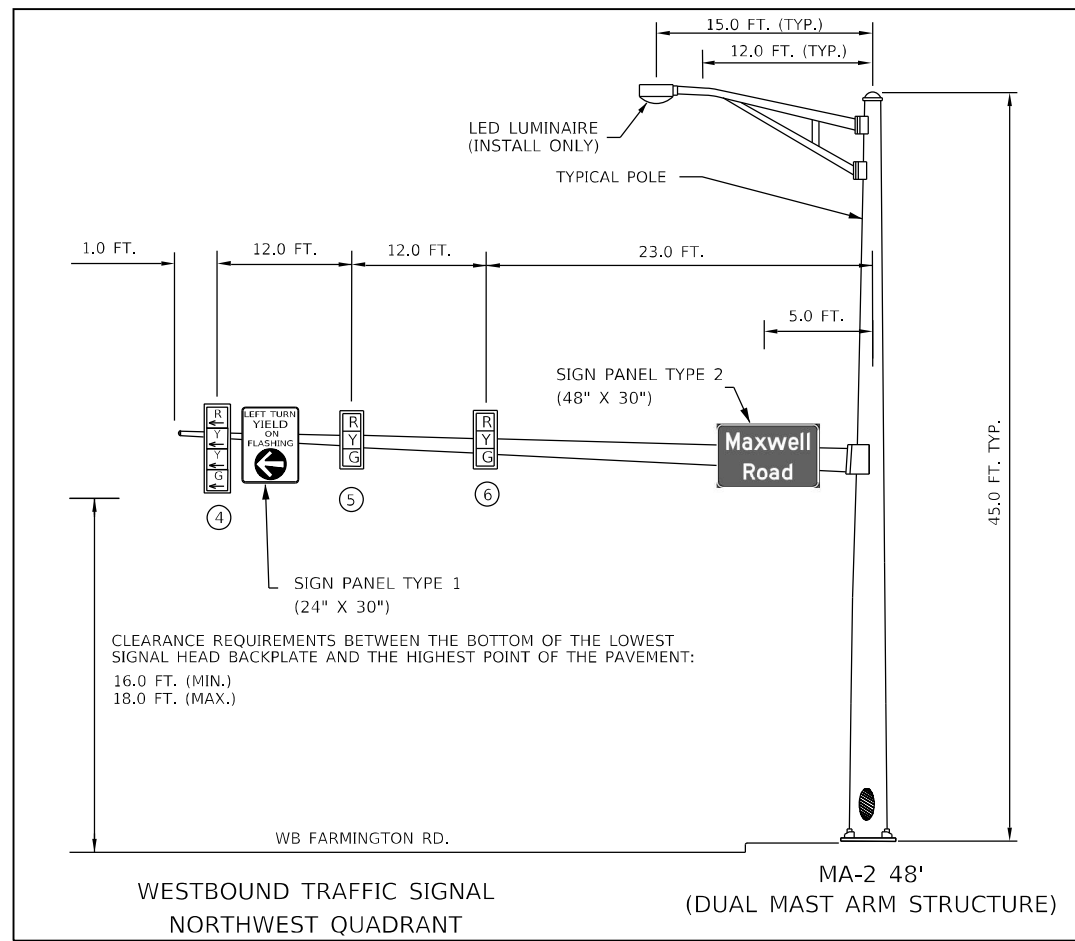
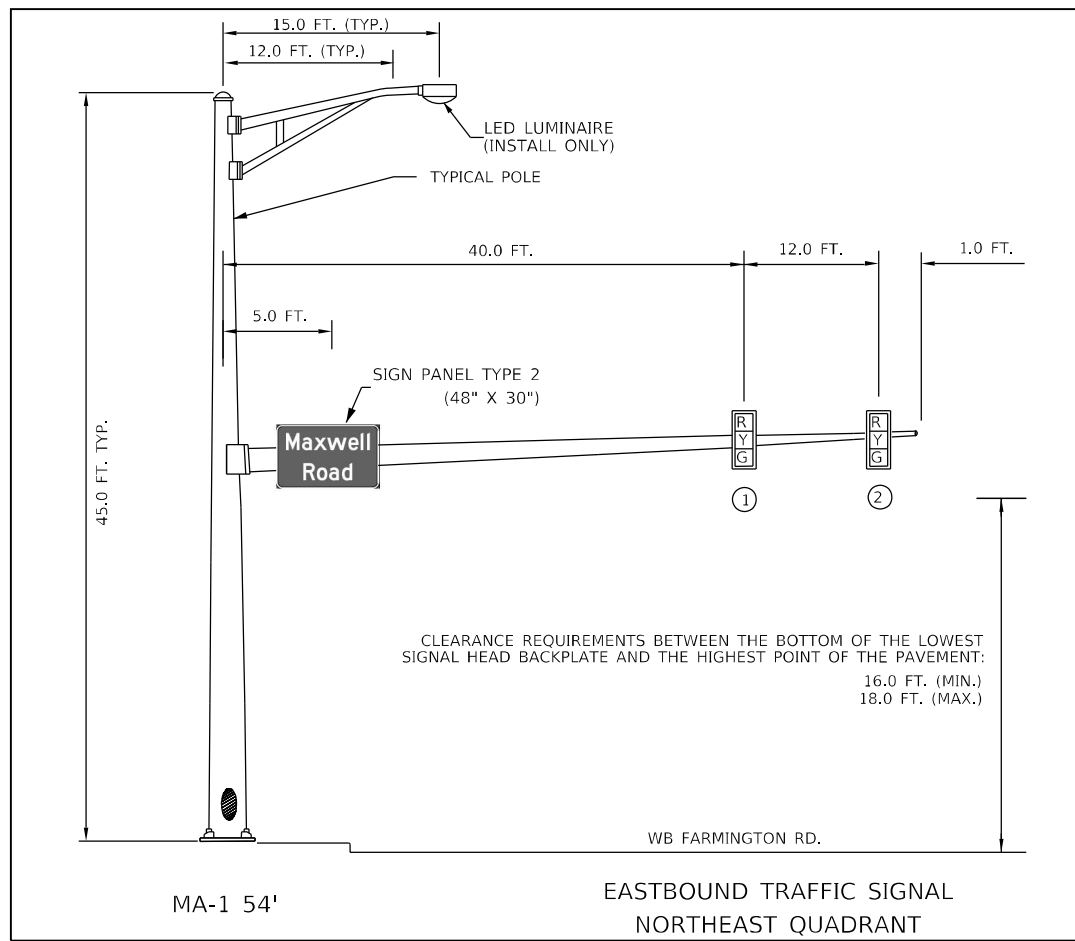
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

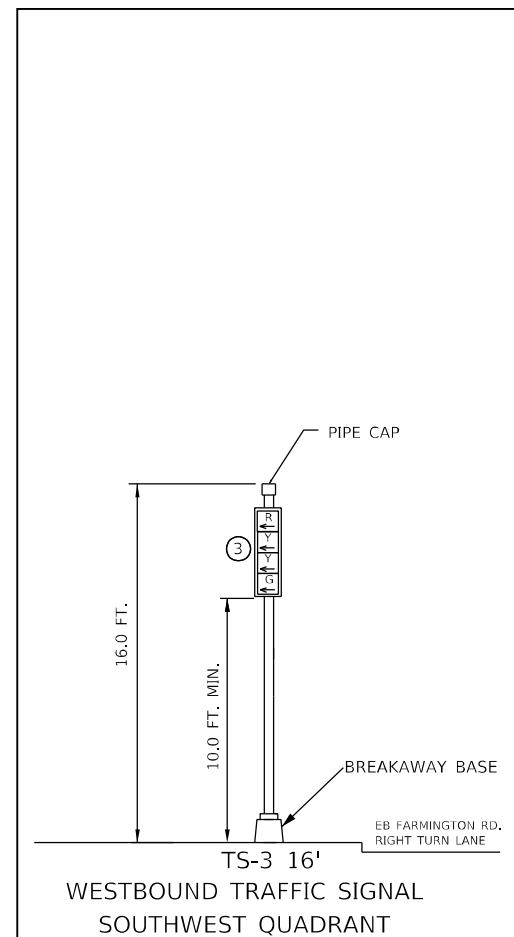
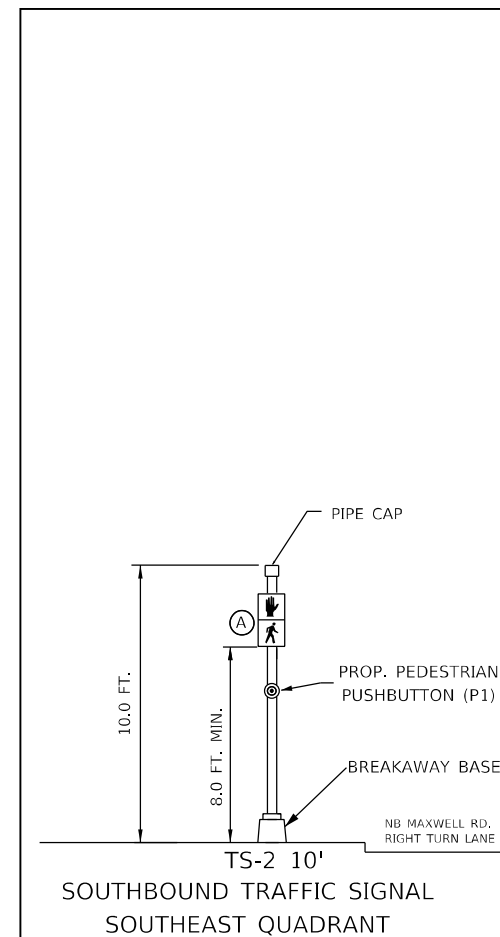
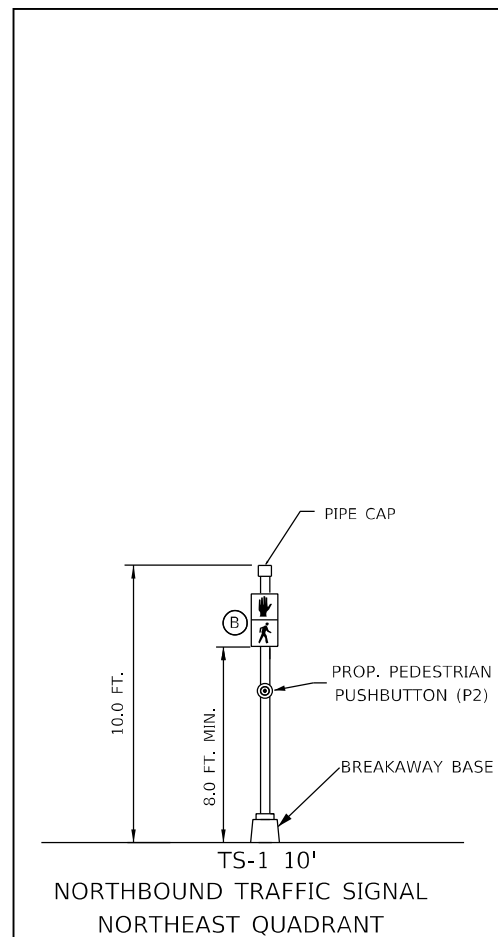
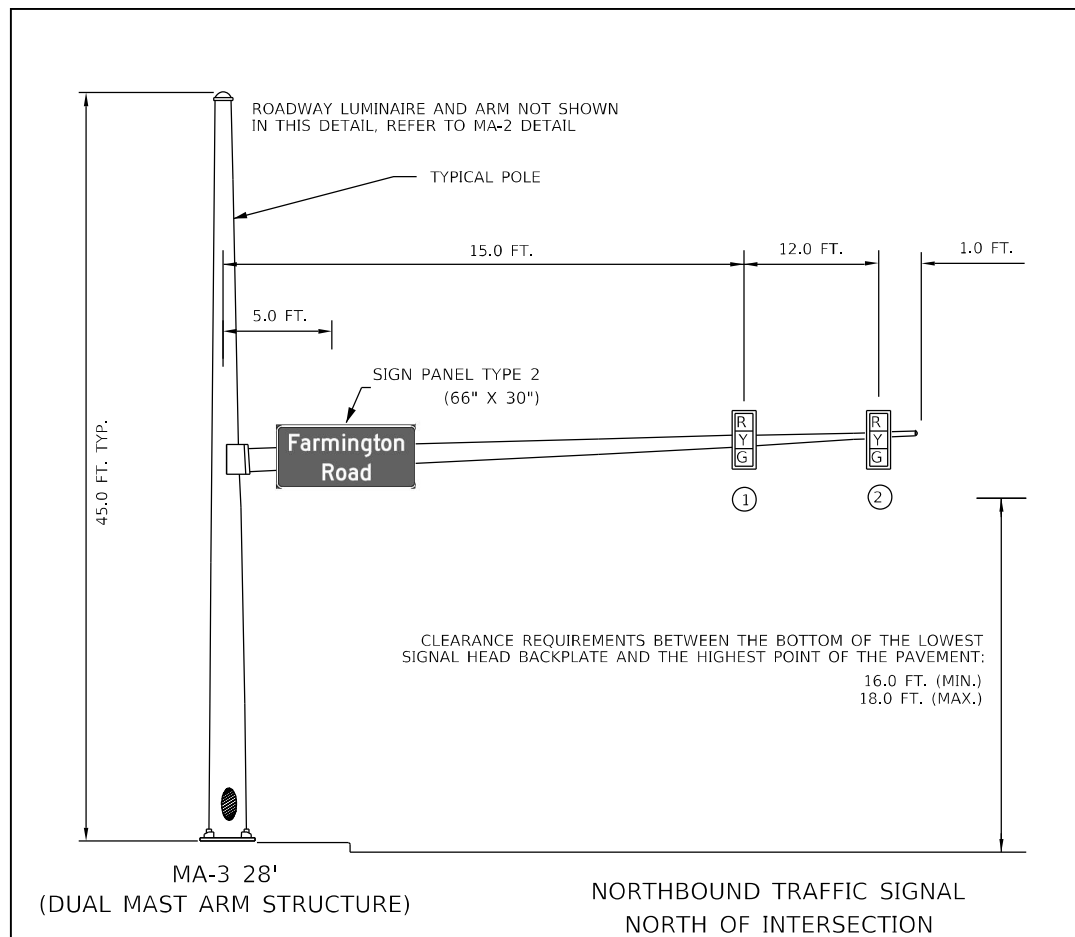
**PROPOSED CABLE & PHASE DIAGRAMS
FARMINGTON RD. & MAXWELL RD. - PEORIA**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	12
			CONTRACT NO. 68G54	
ILLINOIS FED. AID PROJECT				



- NOTES:
1. THE CONTRACTOR SHALL RELOCATE ALL OTHER EXISTING SIGNS FROM THE REMOVED 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 COST OF THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL POSTS.
 2. ALL PROPOSED SIGNS SHALL INCLUDE THE BLOCK NUMBERING AT THE BOTTOM OF THE SIGN.



NOT TO SCALE

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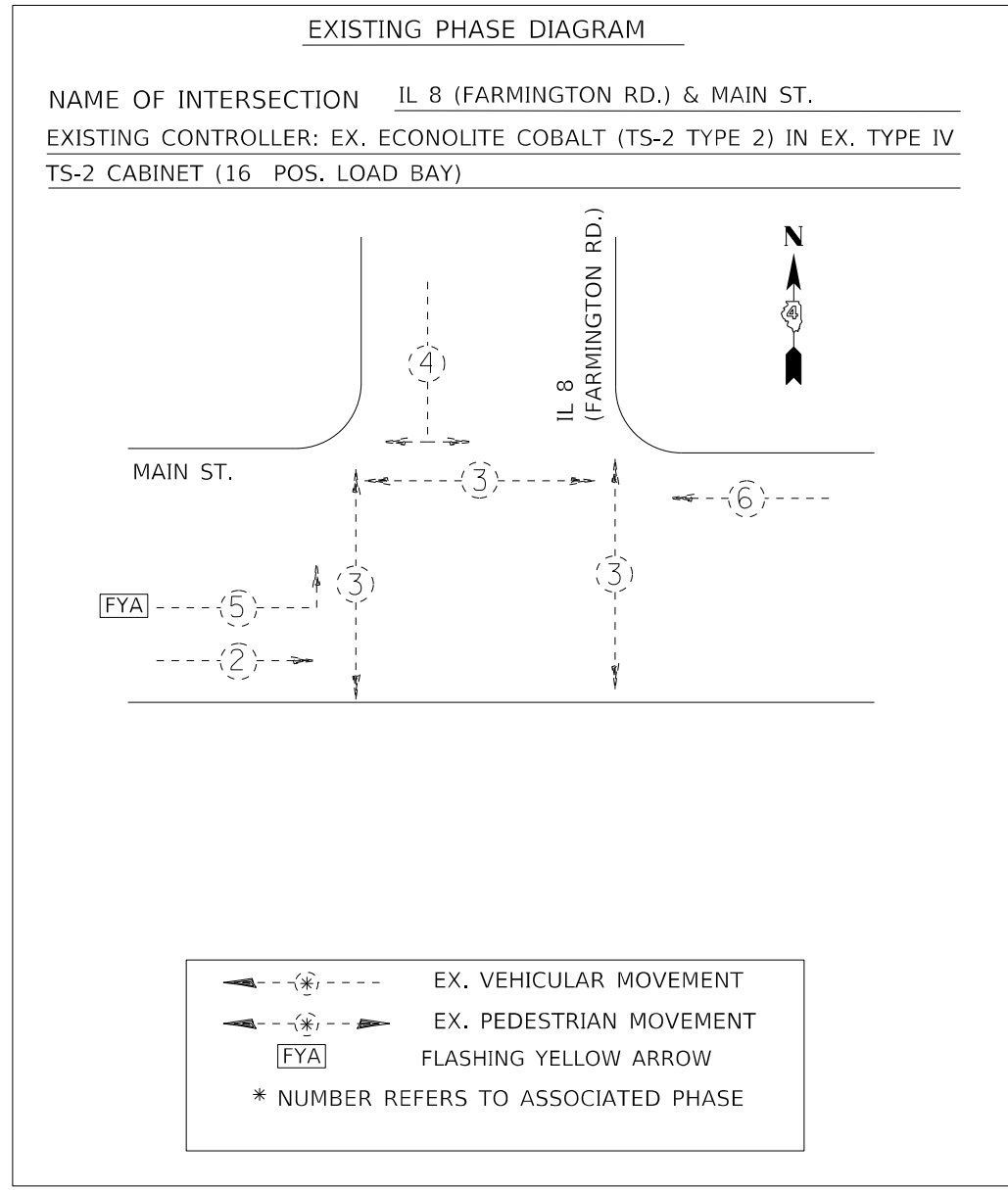
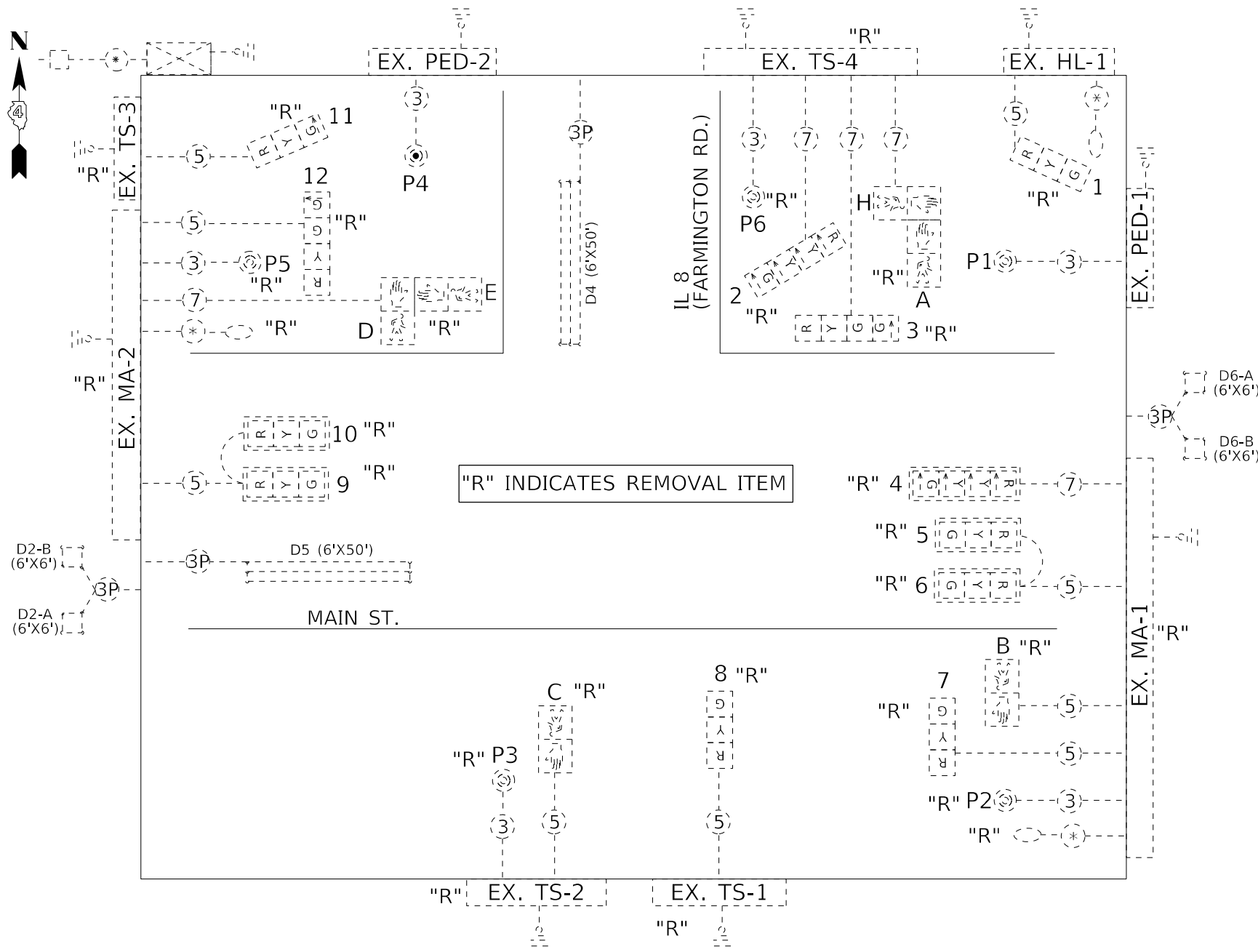
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED MAST ARM AND TRAFFIC SIGNAL POST DETAILS
FARMINGTON RD. & MAXWELL RD. - PEORIA

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	13
			CONTRACT NO. 68G54	
		ILLINOIS FED. AID PROJECT		

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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. HPS LUMINIARE		EX. 4 SEC. SIGNAL HEAD W/BACKPLATE		EX. 5/C NO. 14 SIGNAL CABLE
	EX. QUADRAPOLE DETECTOR LOOP		EX. 4 SEC. SIGNAL HEAD WITHOUT BACKPLATE		EX. 7/C NO. 14 SIGNAL CABLE
	EX. DETECTOR LOOP		EX. PEDESTRIAN SIGNAL HEAD		EX. 1/C NO. 6 CABLE
	EX. GROUND/SAFETY BOND		EX. PEDESTRIAN PUSHBUTTON		

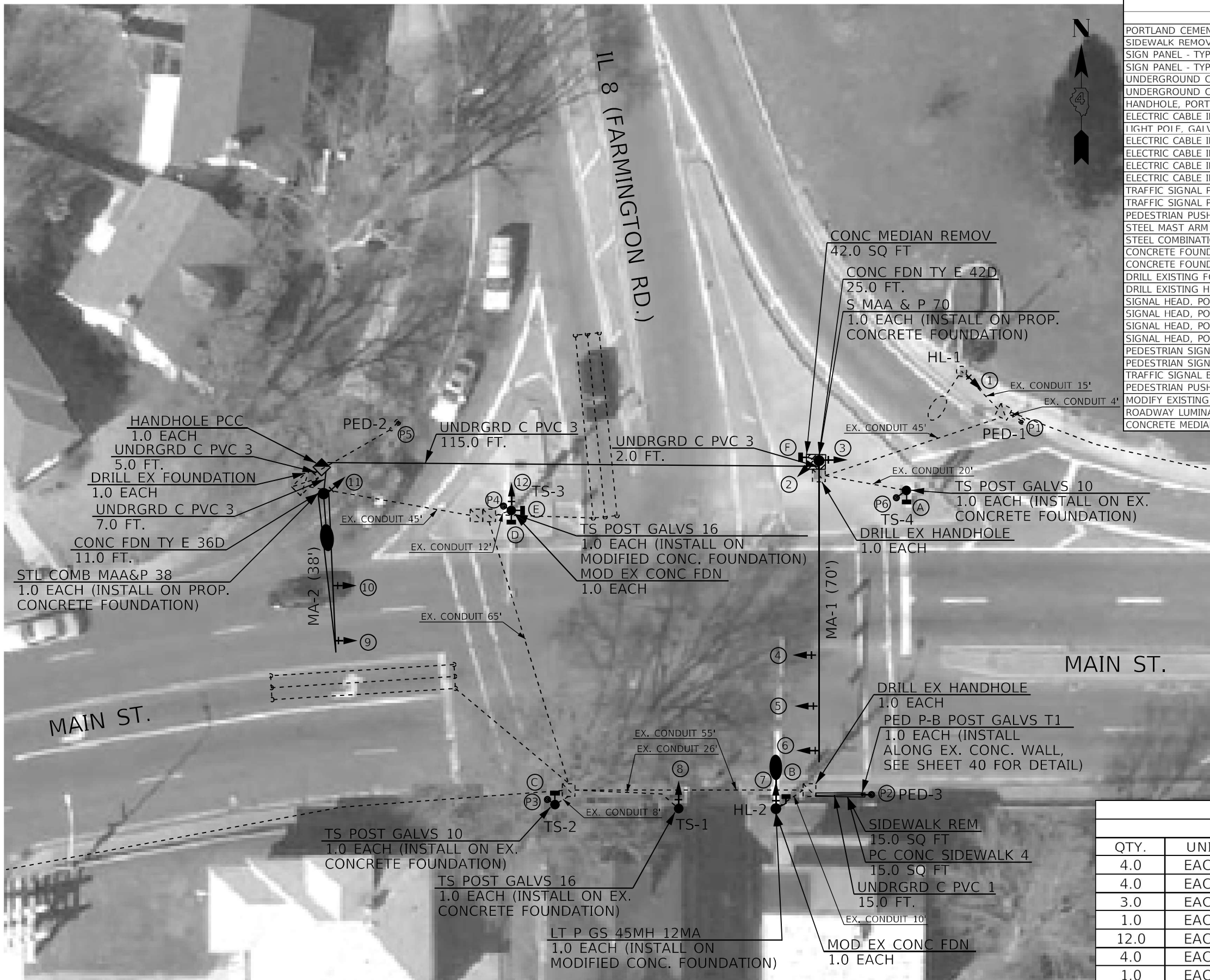
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	DRAWN -	REVISED -
PLOT SCALE = 23,8272' / in.	CHECKED -	REVISED -
PLOT DATE = 3/19/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CABLE & PHASE DIAGRAMS			
IL 8 (FARMINGTON RD.) & MAIN ST. - PEORIA			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	15
			CONTRACT NO. 68G54	
		ILLINOIS	FED. AID PROJECT	



IL 8 (FARMINGTON) & MAIN - PROPOSED		
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QTY.
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	15.0
SIDEWALK REMOVAL	SQ FT	15.0
SIGN PANEL - TYPE 1	SQ FT	13.8
SIGN PANEL - TYPE 2	SQ FT	27.6
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	15.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	129.0
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	655.0
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 12 FT. MAST ARM	EACH	1.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	626.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1970.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	461.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	179.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2.0
PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE, 70 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11.0
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	25.0
DRILL EXISTING FOUNDATION	EACH	1.0
DRILL EXISTING HANDHOLE	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1.0
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	4.0
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	1.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	12.0
PEDESTRIAN PUSH-BUTTON	EACH	4.0
MODIFY EXISTING CONCRETE FOUNDATION	EACH	2.0
ROADWAY LUMINAIRE, SPECIAL (INSTALL ONLY)	EACH	2.0
CONCRETE MEDIAN REMOVAL	SQ FT	42.0

- NOTES:**
1. THE EXISTING LOOP LEAD-IN CABLES SHALL REMAIN INTACT AND OPERATIONAL FOR THE PROPOSED DESIGN. REFER TO SHEET 40 FOR THE PEDESTRIAN PUSHBUTTON DETAIL.
 2. THE BOLT CIRCLE OF THE PROPOSE LIGHT POLE (HL-2) 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.

IL 8 (FARMINGTON RD.) & MAIN ST.			
MAST ARM SCHEDULE			
REF	LOCATION	LENGTH	DESCRIPTION
MA-1	NE QUAD	70 FT.	S MAA & P
MA-2	NW QUAD	38 FT.	STL COMB MAA&P

IL 8 (FARMINGTON RD.) & MAIN ST.			
TRAFFIC SIGNAL HEAD SCHEDULE			
QTY.	UNIT	ITEM	LOCATION
4.0	EACH	SH P LED 1F 3S BM	1,7,8,11
4.0	EACH	SH P LED 1F 3S MAM	5,6,9,10
3.0	EACH	SH P LED 1F 4S BM	2,3,12
1.0	EACH	SH P LED 1F 4S MAM	4
12.0	EACH	TS BACKPLATE RET-REFL	1,2,3,4,5,6,7,8,9,10,11,12
4.0	EACH	PED SH LED 1F BM	A,B,C,F
1.0	EACH	PED SH LED 2F BM	D/E

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 PLOT DATE: = 3/19/2021

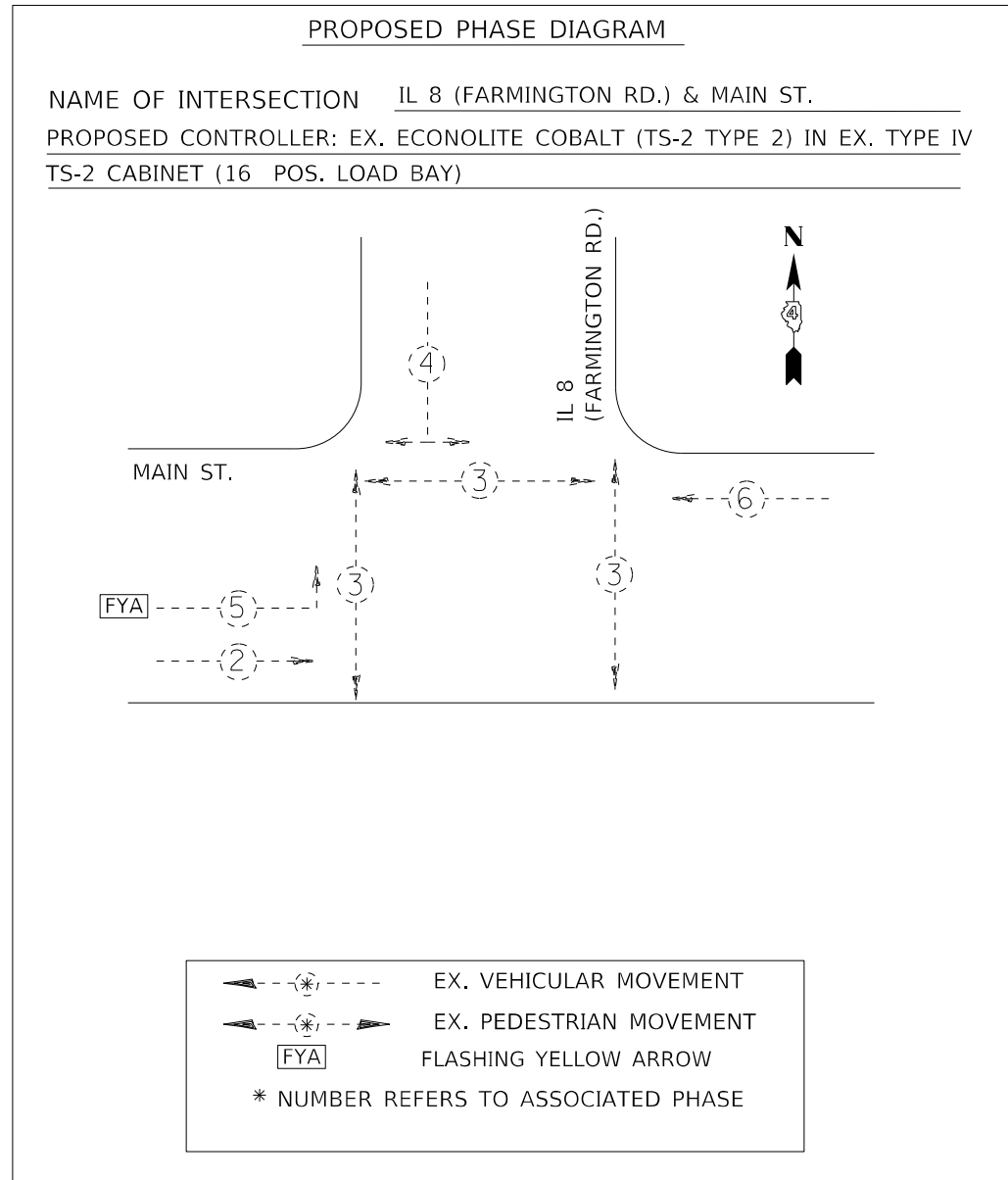
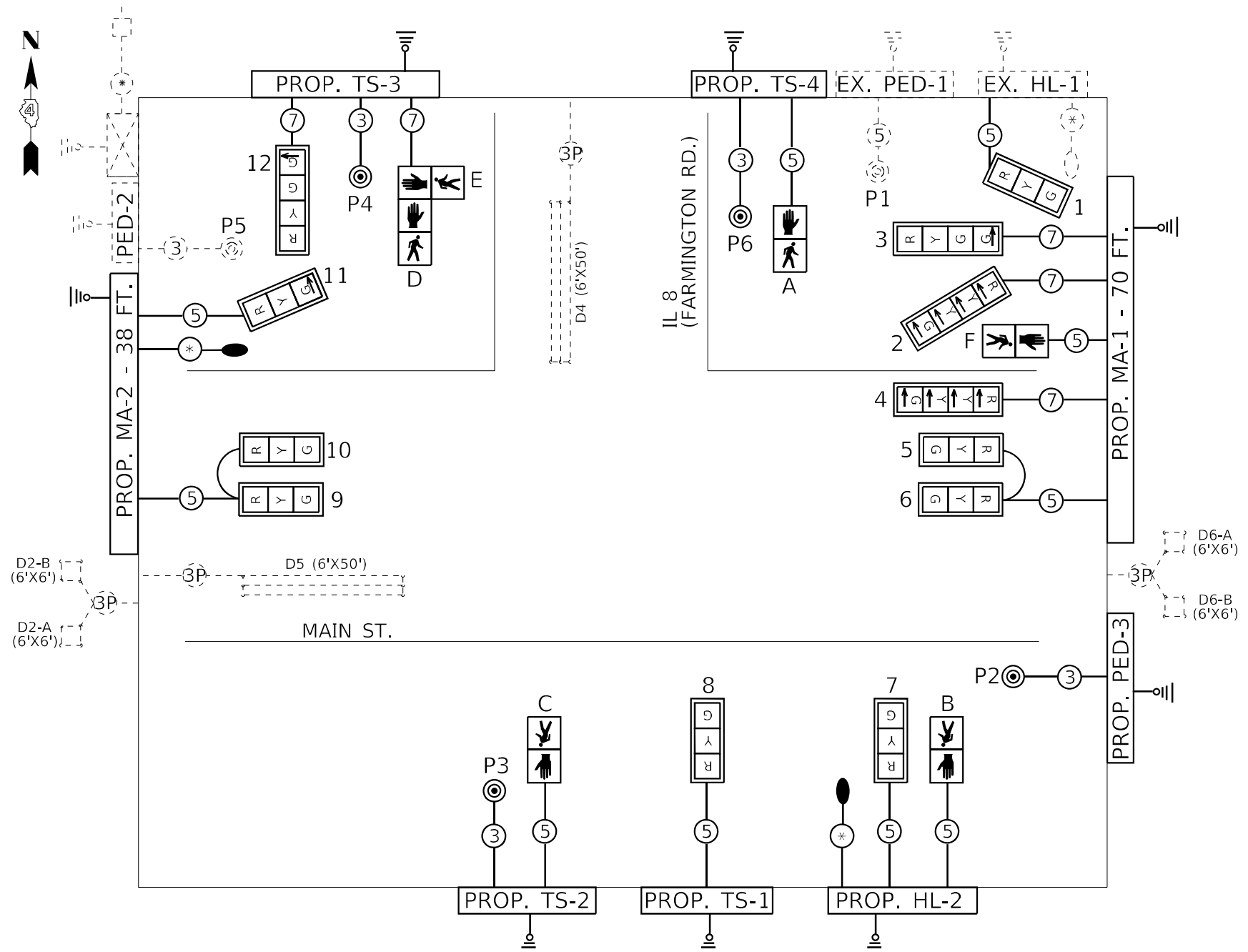
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PLOT SCALE = 23,8272 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/19/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL PLANS
IL 8 (FARMINGTON RD.) & MAIN ST. - PEORIA

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G54	



TRAFFIC SIGNALS LEGEND

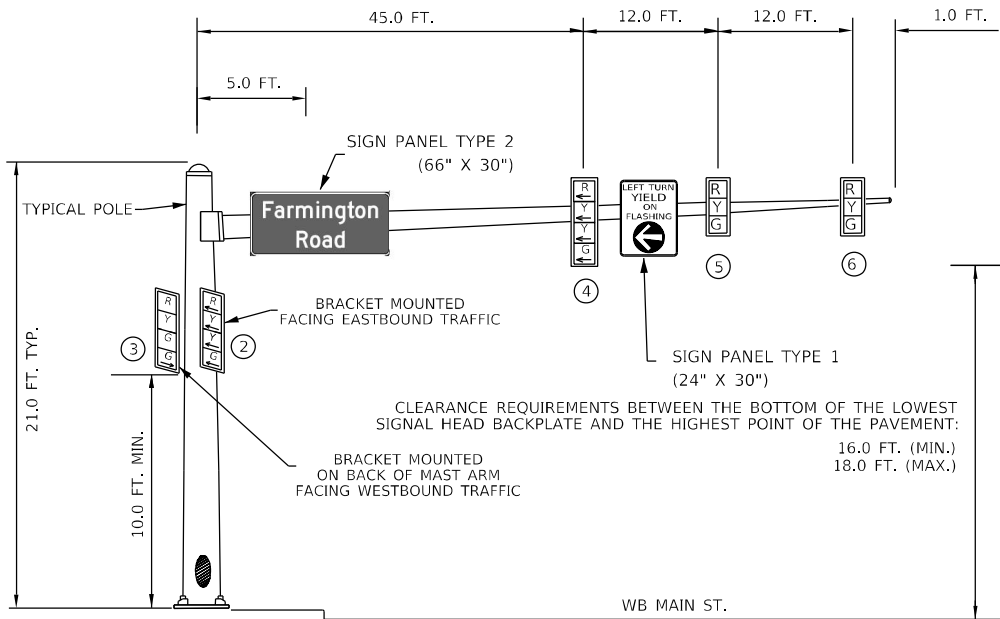
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|--|---|--|
| <ul style="list-style-type: none"> EX. TRAFFIC SIGNAL CONTROLLER CABINET EX. ELECTRIC SERVICE EX. HPS LUMINIAIRE PROP. LED LUMINIAIRE EX. QUADRAPOLE DETECTOR LOOP EX. DETECTOR LOOP | <ul style="list-style-type: none"> PROP. 3 SEC. SIGNAL HEAD W/BACKPLATE PROP. 4 SEC. SIGNAL HEAD W/BACKPLATE PROP. PEDESTRIAN SIGNAL HEAD EX. PEDESTRIAN PUSHBUTTON PROP. GROUND/SAFETY BOND EX. GROUND/SAFETY BOND | <ul style="list-style-type: none"> EX. 3/C NO. 14 SIGNAL CABLE EX. NO. 18 3-PR DETECTOR LOOP CABLE PROP. 3/C NO. 14 SIGNAL CABLE PROP. 5/C NO. 14 SIGNAL CABLE PROP. 7/C NO. 14 SIGNAL CABLE EX. 1/C NO. 6 CABLE EX. 1/C NO. 6 CABLE |
|--|---|--|

NOT TO SCALE

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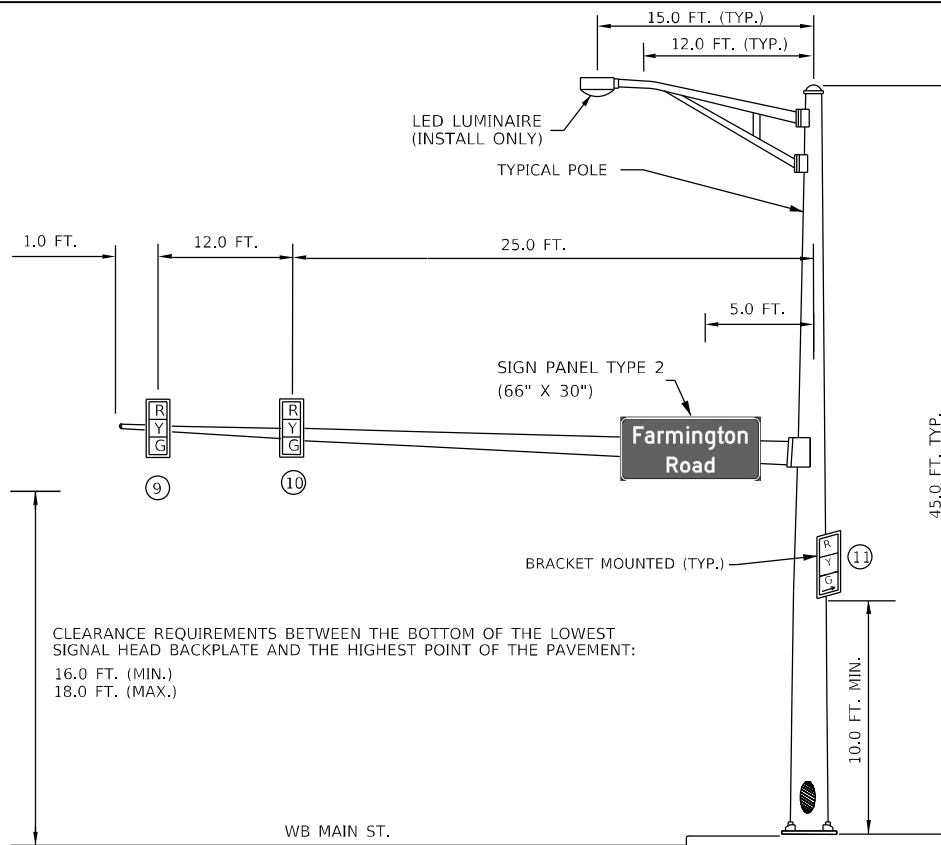
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SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 68G54 ILLINOIS FED. AID PROJECT					

INSTALLATION NOTE:
 SIGNAL HEAD 2 LOCATED FACING EASTBOUND TRAFFIC
 SIGNAL HEAD 3 LOCATED FACING WESTBOUND TRAFFIC



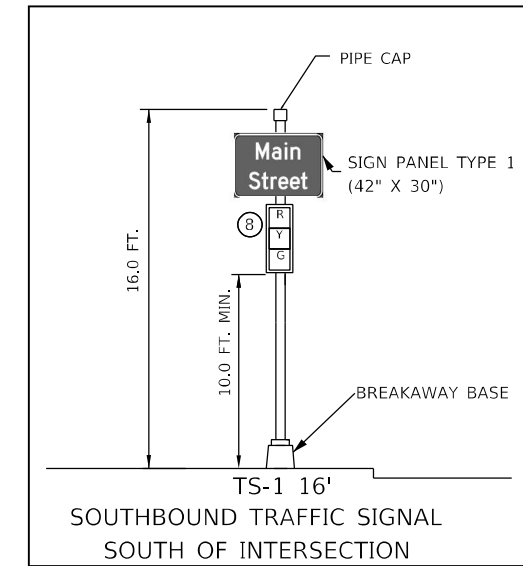
MA-1 70'

EASTBOUND TRAFFIC SIGNAL
 NORTHEAST CORNER ISLAND

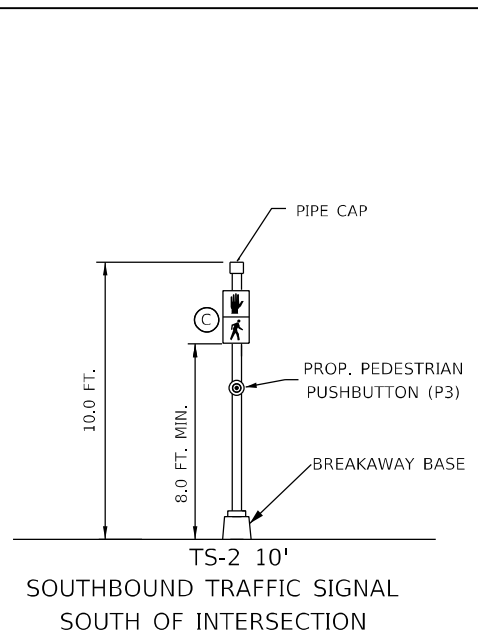


MA-2 38'

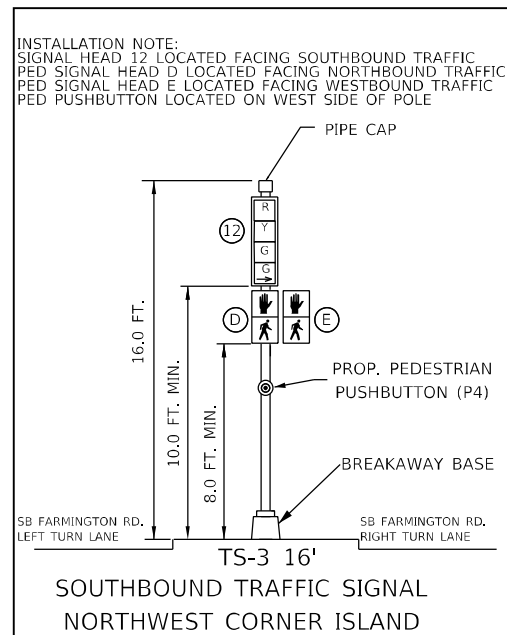
WESTBOUND TRAFFIC SIGNAL
 NORTHWEST QUADRANT



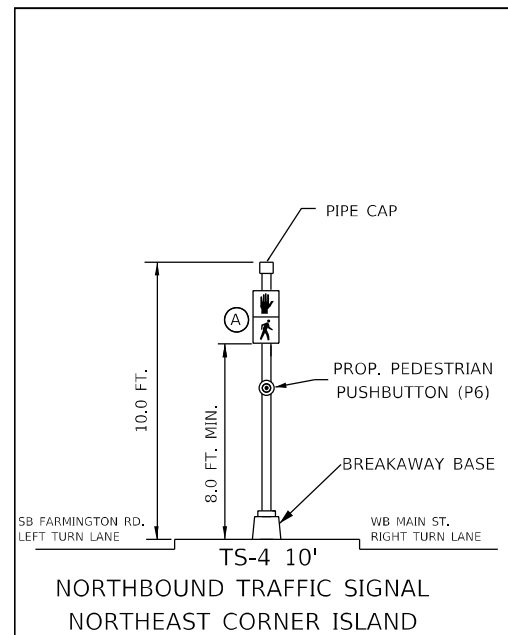
TS-1 16'
 SOUTHBOUND TRAFFIC SIGNAL
 SOUTH OF INTERSECTION



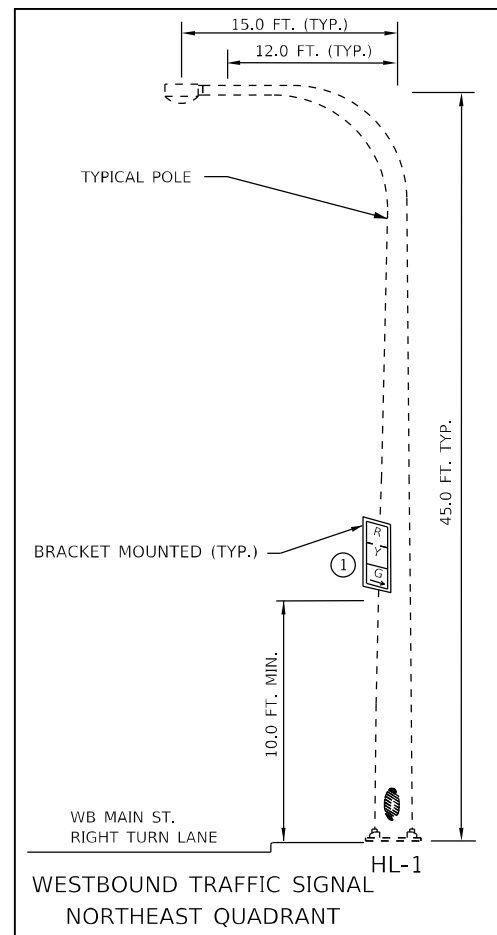
TS-2 10'
 SOUTHBOUND TRAFFIC SIGNAL
 SOUTH OF INTERSECTION



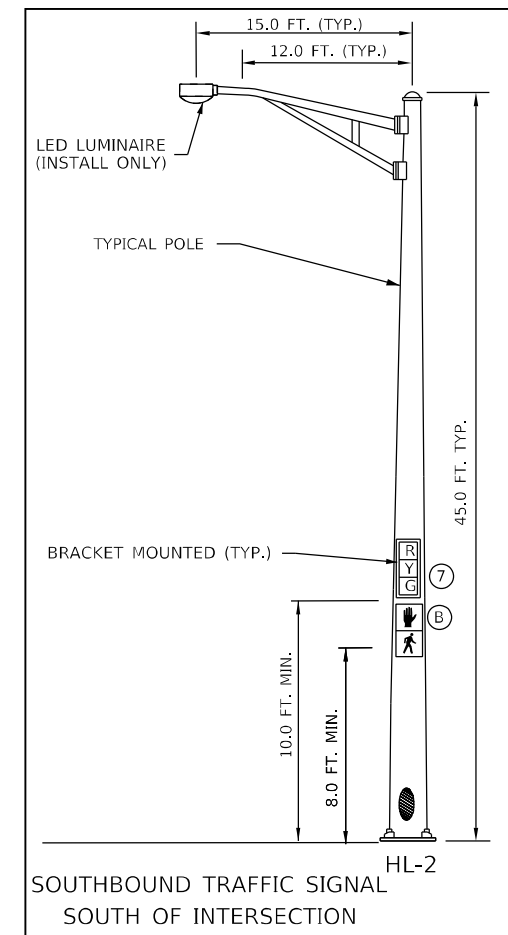
TS-3 16'
 SOUTHBOUND TRAFFIC SIGNAL
 NORTHWEST CORNER ISLAND



TS-4 10'
 NORTHBOUND TRAFFIC SIGNAL
 NORTHEAST CORNER ISLAND



HL-1
 WESTBOUND TRAFFIC SIGNAL
 NORTHEAST QUADRANT



HL-2
 SOUTHBOUND TRAFFIC SIGNAL
 SOUTH OF INTERSECTION

- NOTES:
1. THE CONTRACTOR SHALL RELOCATE ALL OTHER EXISTING SIGNS FROM THE REMOVED 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 COST OF THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL POSTS.
 2. ALL PROPOSED SIGNS SHALL INCLUDE THE BLOCK NUMBERING AT THE BOTTOM OF THE SIGN.
 3. THE BOLT CIRCLE OF THE PROPOSE LIGHT POLE (HL-2) 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.

NOT TO SCALE

MODEL: Default
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	DRAWN -	REVISED -
PLOT SCALE = 23,8272' / in.	CHECKED -	REVISED -
PLOT DATE = 3/19/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED MAST ARM AND TRAFFIC SIGNAL POST DETAILS
 IL 8 (FARMINGTON RD.) & MAIN ST. - PEORIA

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	18
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G54	

IL 8/ IL 116 (MACARTHUR) & JEFFERSON - REMOVAL		
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QTY.
REMOVE EXISTING CONCRETE FOUNDATION	EACH	3.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0

IL 8/ IL 116 (MACARTHUR) & JEFFERSON - 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
1.0	TRAFFIC SIGNAL MAST ARM
2.0	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
3.0	SIGNAL HEAD, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED
2.0	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED
ALL	SPAN WIRE COMPONENTS
ALL	TRAFFIC SIGNAL CABLING NOT USED IN PROP. INSTALLATION



"R" INDICATES REMOVAL ITEM

NOT TO SCALE

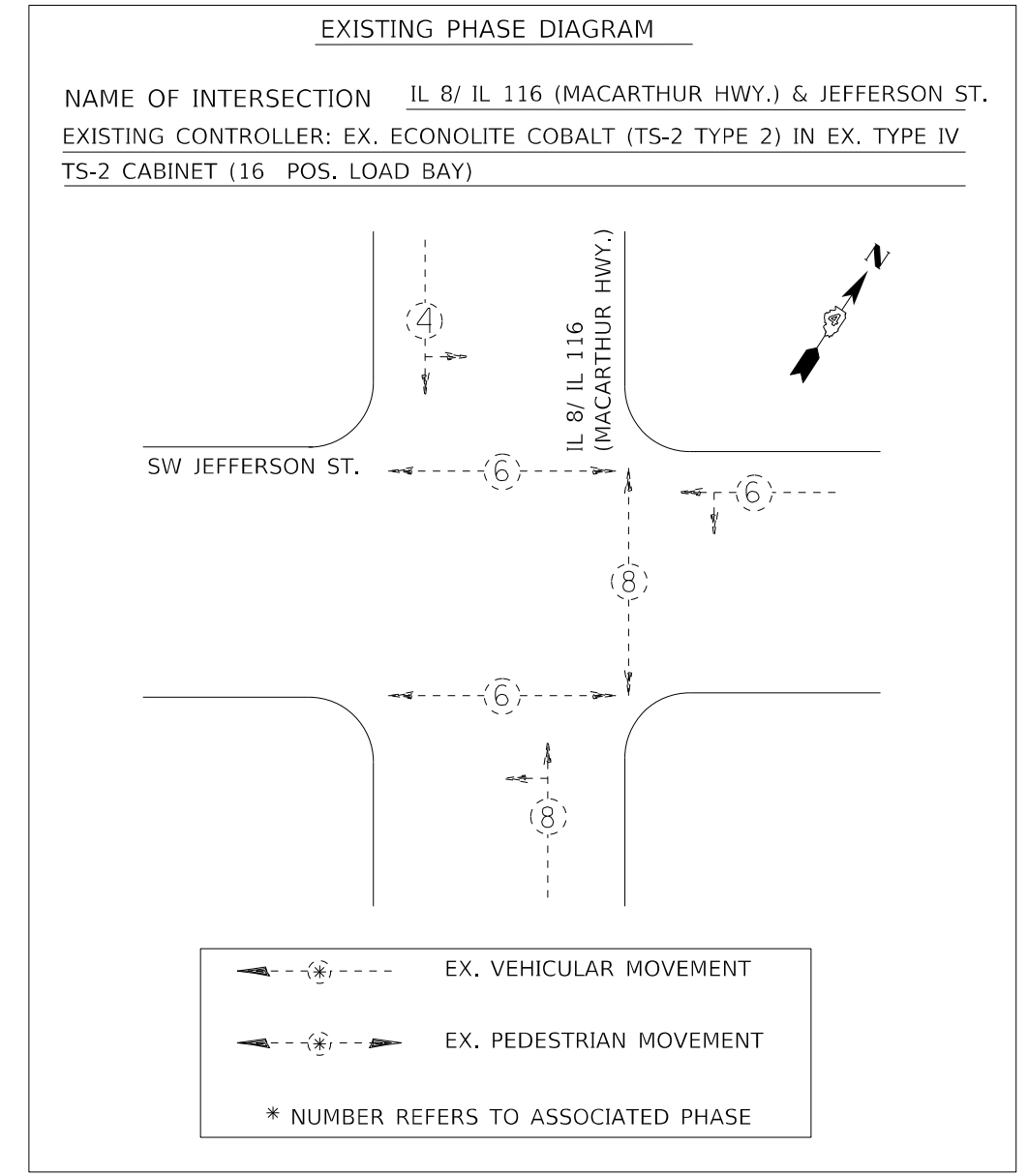
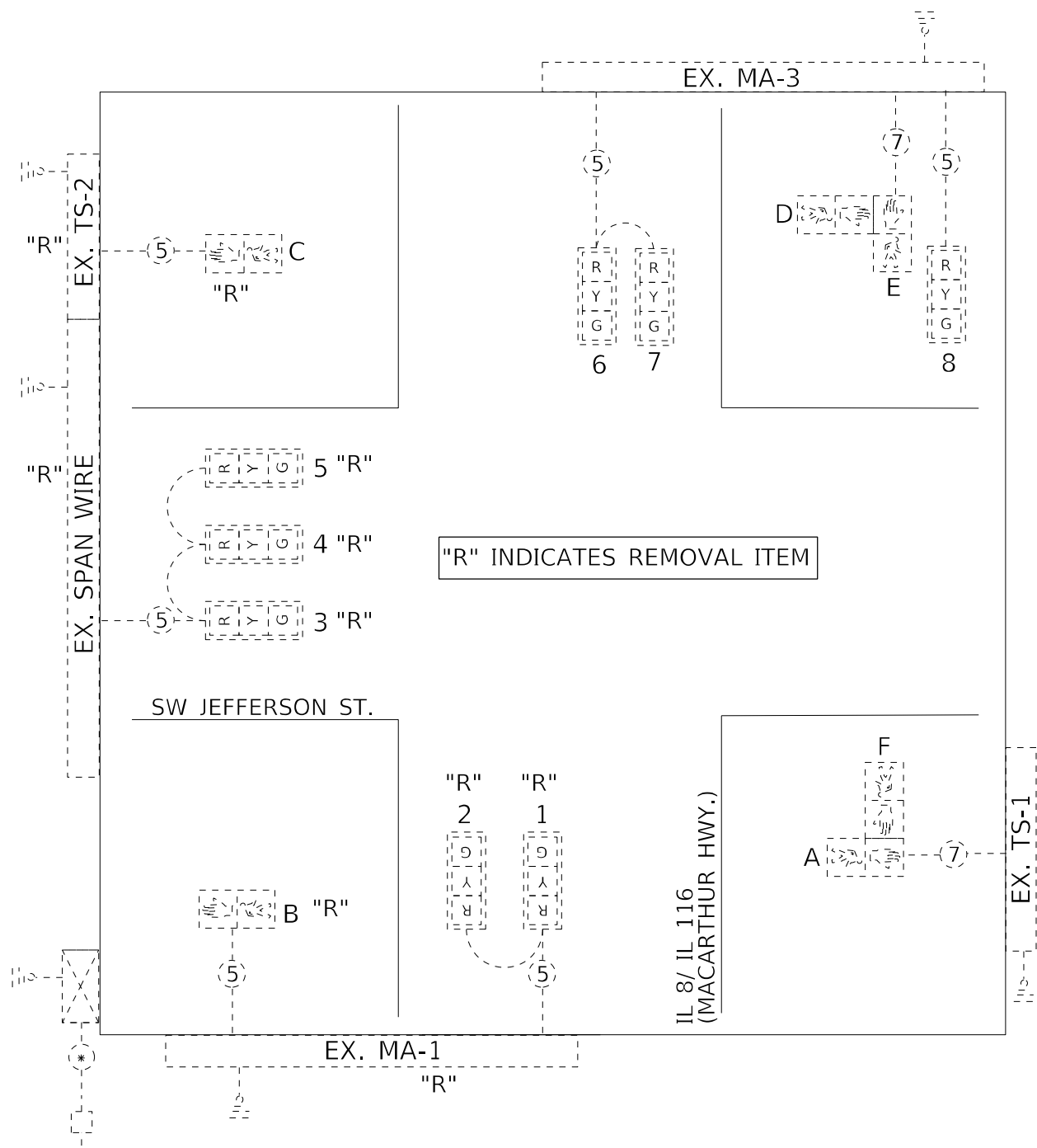
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PLOT SCALE = 23,8272 * / in.	DRAWN -	REVISED -
PLOT DATE = 3/19/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL PLANS & REMOVAL ITEMS				
IL 8/IL 116 (MACARTHUR HWY.) & SW JEFFERSON ST. - PEORIA				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	19
			CONTRACT NO. 68G54	
ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNALS LEGEND

- | | | |
|---------------------------------------|------------------------------------|-----------------------------|
| EX. TRAFFIC SIGNAL CONTROLLER CABINET | EX. 3 SEC. SIGNAL HEAD W/BACKPLATE | EX. 5/C NO. 14 SIGNAL CABLE |
| EX. ELECTRIC SERVICE | EX. PEDESTRIAN SIGNAL HEAD | EX. 7/C NO. 14 SIGNAL CABLE |
| EX. GROUND/SAFETY BOND | | EX. 1/C NO. 6 CABLE |

NOT TO SCALE

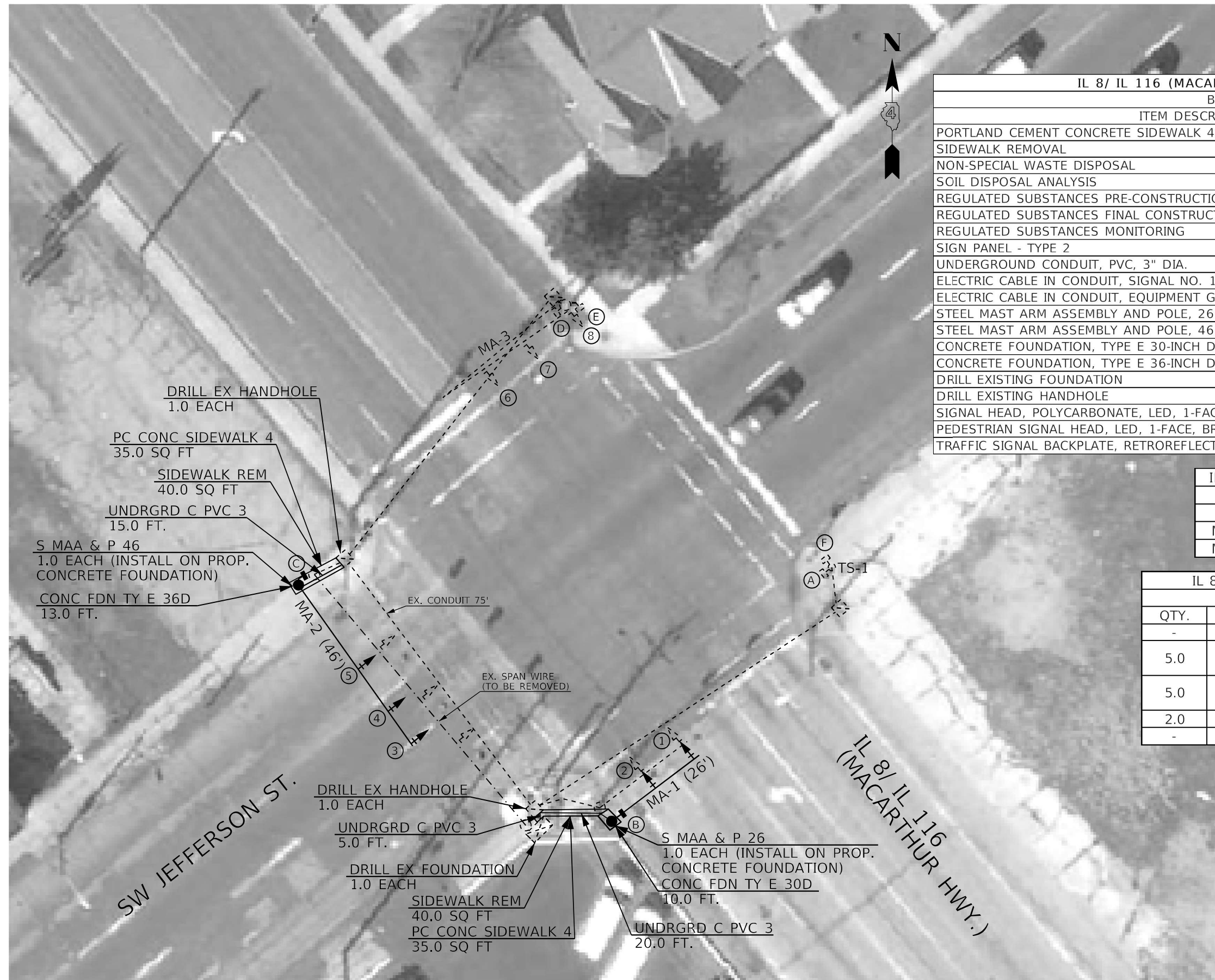
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PLOT SCALE = 23,8272 */ in.	CHECKED -	REVISED -
PLOT DATE = 3/19/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CABLE & PHASE DIAGRAMS	
IL 8/IL 116 (MACARTHUR HWY.) & SW JEFFERSON ST. - PEORIA	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	20
CONTRACT NO. 68G54			ILLINOIS FED. AID PROJECT	



IL 8/ IL 116 (MACARTHUR) & JEFFERSON - PROPOSED		
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QTY.
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	70.0
SIDEWALK REMOVAL	SQ FT	80.0
NON-SPECIAL WASTE DISPOSAL	CU YD	4.0
SOIL DISPOSAL ANALYSIS	EACH	1.0
REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	0.2
REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	0.2
REGULATED SUBSTANCES MONITORING	CAL DA	1.0
SIGN PANEL - TYPE 2	SQ FT	31.6
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	40.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	487.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	77.5
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13.0
DRILL EXISTING FOUNDATION	EACH	1.0
DRILL EXISTING HANDHOLE	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5.0
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	5.0

IL 8/ IL 116 (MACARTHUR HWY.) & SW JEFFERSON ST.			
MAST ARM SCHEDULE			
REF	LOCATION	LENGTH	DESCRIPTION
MA-1	S QUAD	26 FT.	S MAA & P
MA-2	W QUAD	46 FT.	S MAA & P

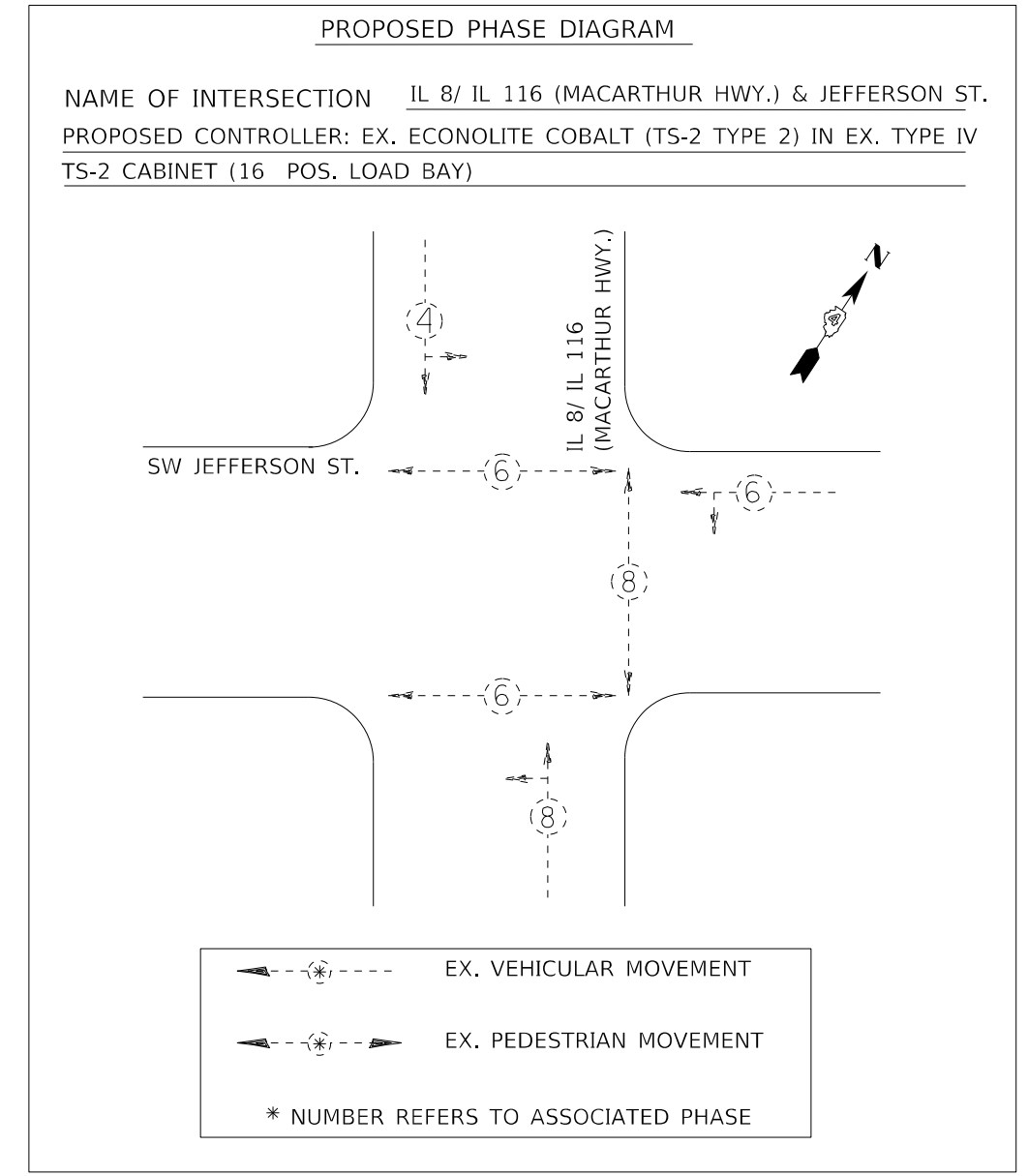
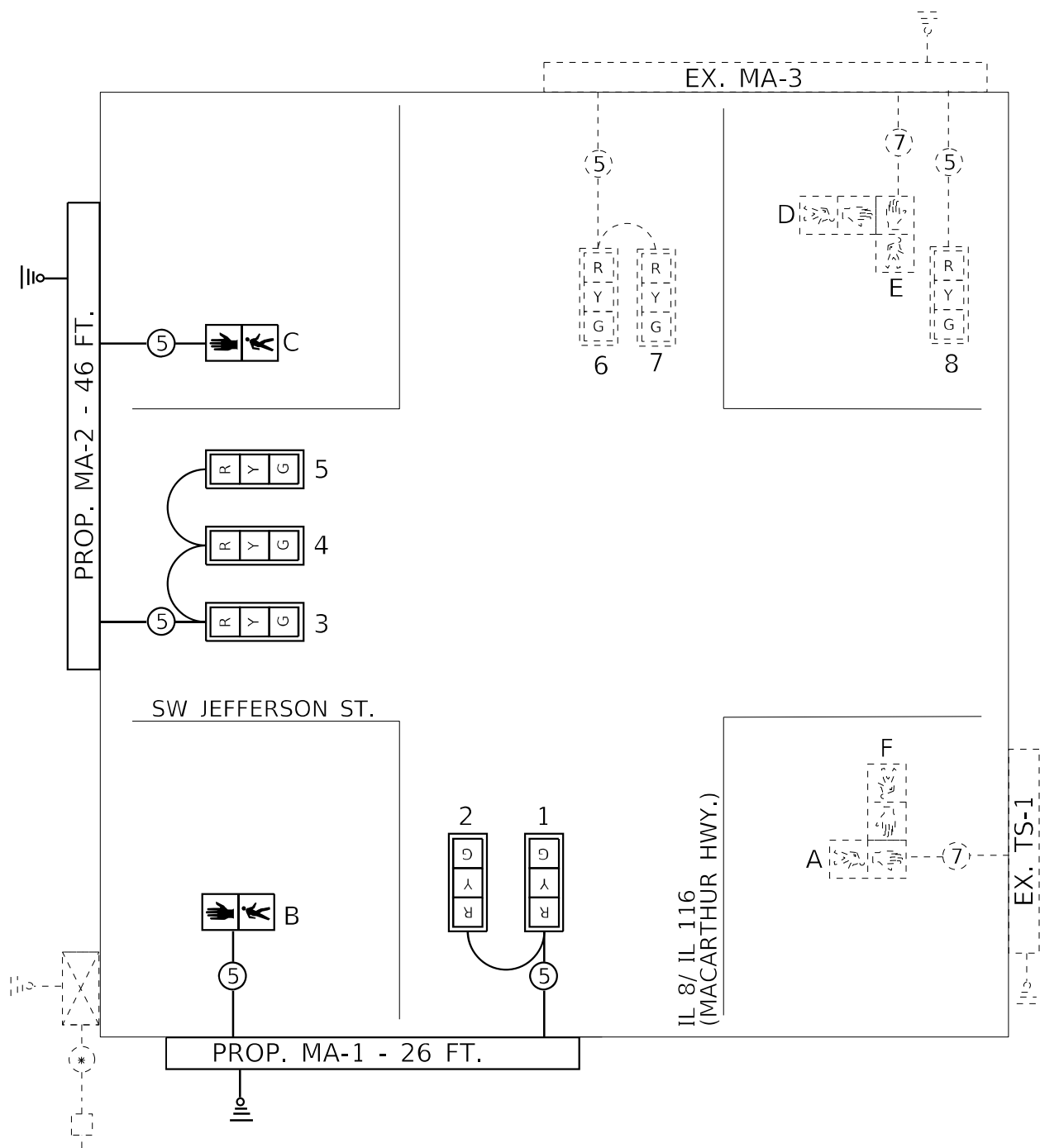
IL 8/ IL 116 (MACARTHUR HWY.) & SW JEFFERSON ST.			
TRAFFIC SIGNAL HEAD SCHEDULE			
QTY.	UNIT	ITEM	LOCATION
-	EACH	SH P LED 1F 3S BM	8 (EXISTING)
5.0	EACH	SH P LED 1F 3S MAM	1,2,3,4,5 (PROPOSED) 6,7 (EXISTING)
5.0	EACH	TS BACKPLATE RET-REFL	1,2,3,4,5 (PROPOSED) 6,7,8 (EXISTING)
2.0	EACH	PED SH LED 1F BM	B,C
-	EACH	PED SH LED 2F BM	A/F, D/E

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SHEET REVISED 3-26-21 TJH

NOT TO SCALE

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TRAFFIC SIGNALS LEGEND

EX. TRAFFIC SIGNAL CONTROLLER CABINET	PROP. 3 SEC. SIGNAL HEAD W/BACKPLATE	PROP. 5/C NO. 14 SIGNAL CABLE
EX. ELECTRIC SERVICE	PROP. PEDESTRIAN SIGNAL HEAD	PROP. 7/C NO. 14 SIGNAL CABLE
PROP. GROUND/SAFETY BOND	EX. PEDESTRIAN SIGNAL HEAD	EX. 1/C NO. 6 CABLE
EX. GROUND/SAFETY BOND		

NOT TO SCALE

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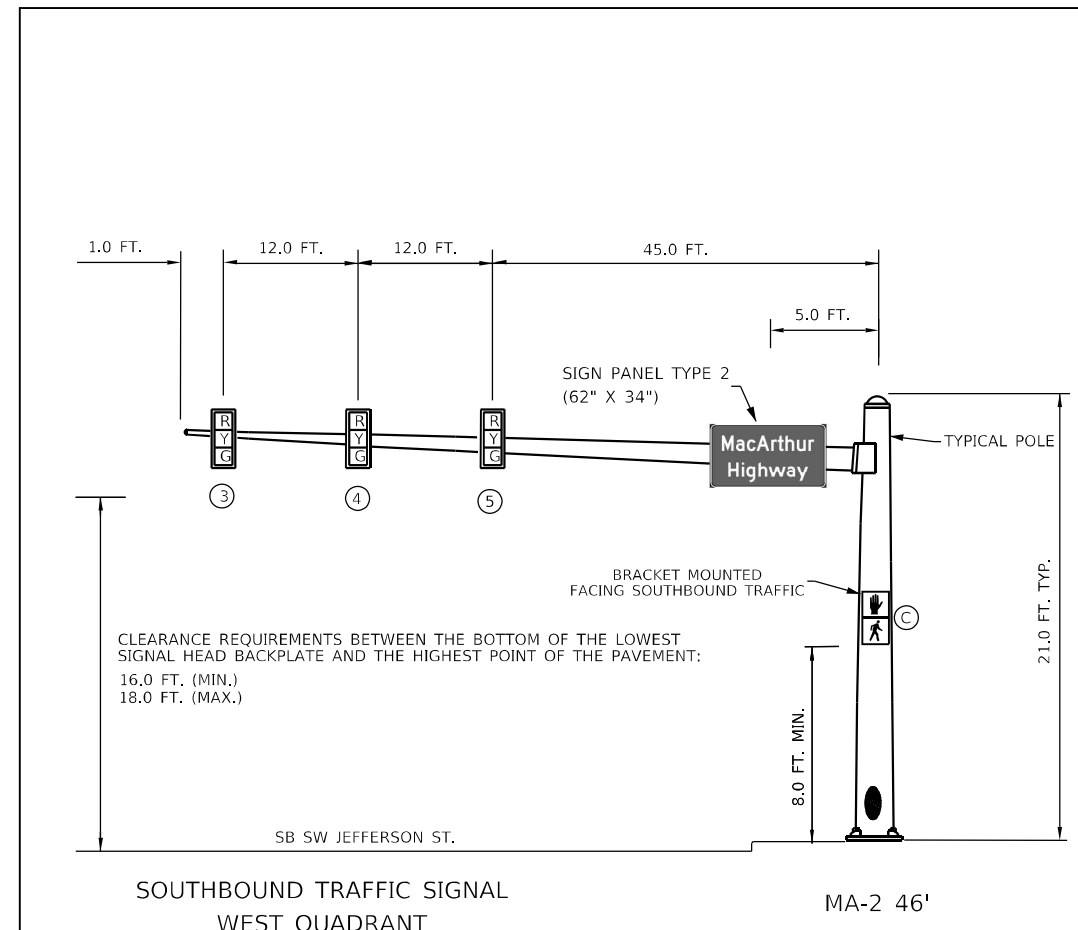
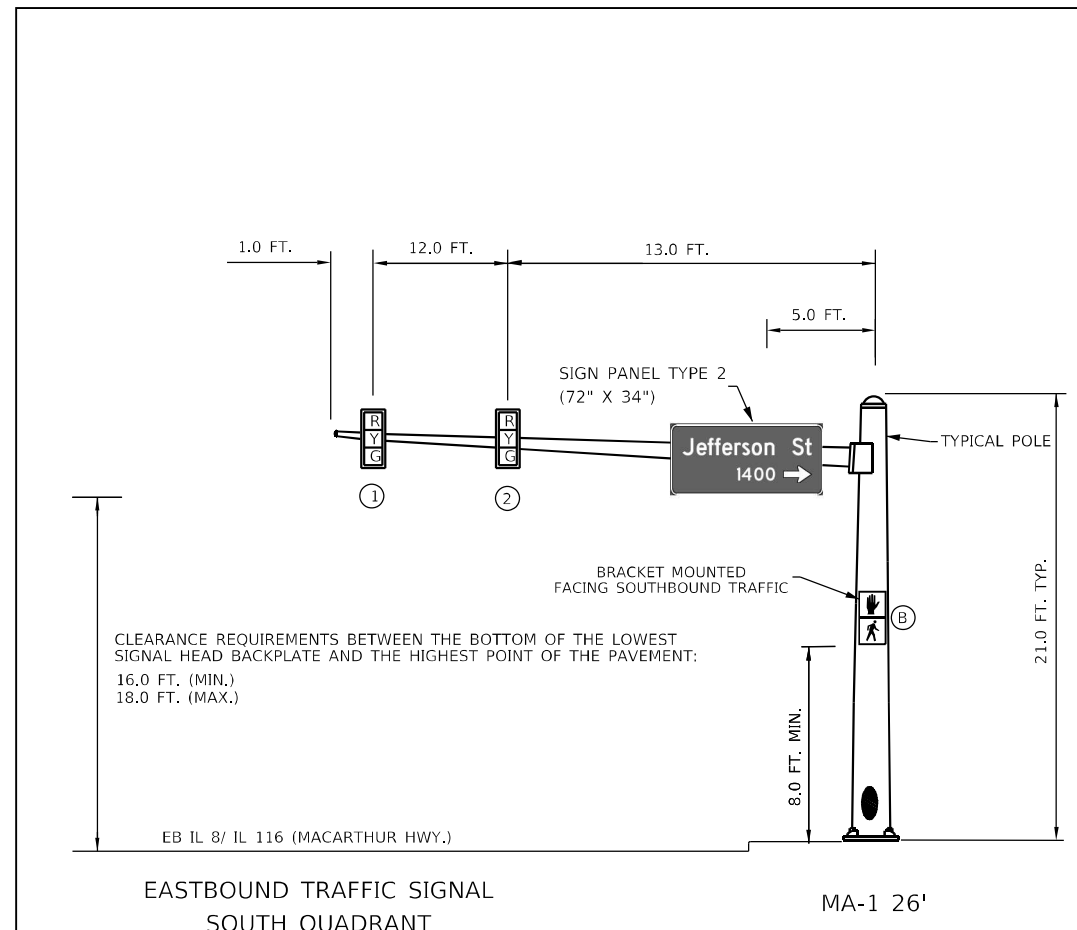
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PLOT DATE = 3/19/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CABLE & PHASE DIAGRAMS			
IL 8/IL 116 (MACARTHUR HWY.) & SW JEFFERSON ST. - PEORIA			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G54	

MODEL: Default
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- NOTES:
1. THE CONTRACTOR SHALL RELOCATE ALL OTHER EXISTING SIGNS FROM THE REMOVED 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 COST OF THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL POSTS.
 2. ALL PROPOSED SIGNS SHALL INCLUDE THE BLOCK NUMBERING AT THE BOTTOM OF THE SIGN.

NOT TO SCALE

USER NAME = hansonj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 23,8272 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/19/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED MAST ARM DETAILS
 IL 8/IL 116 (MACARTHUR HWY.) & SW JEFFERSON ST. - PEORIA
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G54	

IL 8/ IL 116 (MACARTHUR) & ADAMS - REMOVAL		
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QTY.
REMOVE EXISTING CONCRETE FOUNDATION	EACH	3.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0



"R" INDICATES REMOVAL ITEM

IL 8/ IL 116 (MACARTHUR) & ADAMS - 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
1.0	TRAFFIC SIGNAL POST
2.0	TRAFFIC SIGNAL MAST ARM
4.0	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
3.0	SIGNAL HEAD, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED
1.0	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED
2.0	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED
ALL	SPAN WIRE COMPONENTS
ALL	TRAFFIC SIGNAL CABLING NOT USED IN PROP. INSTALLATION

NOT TO SCALE

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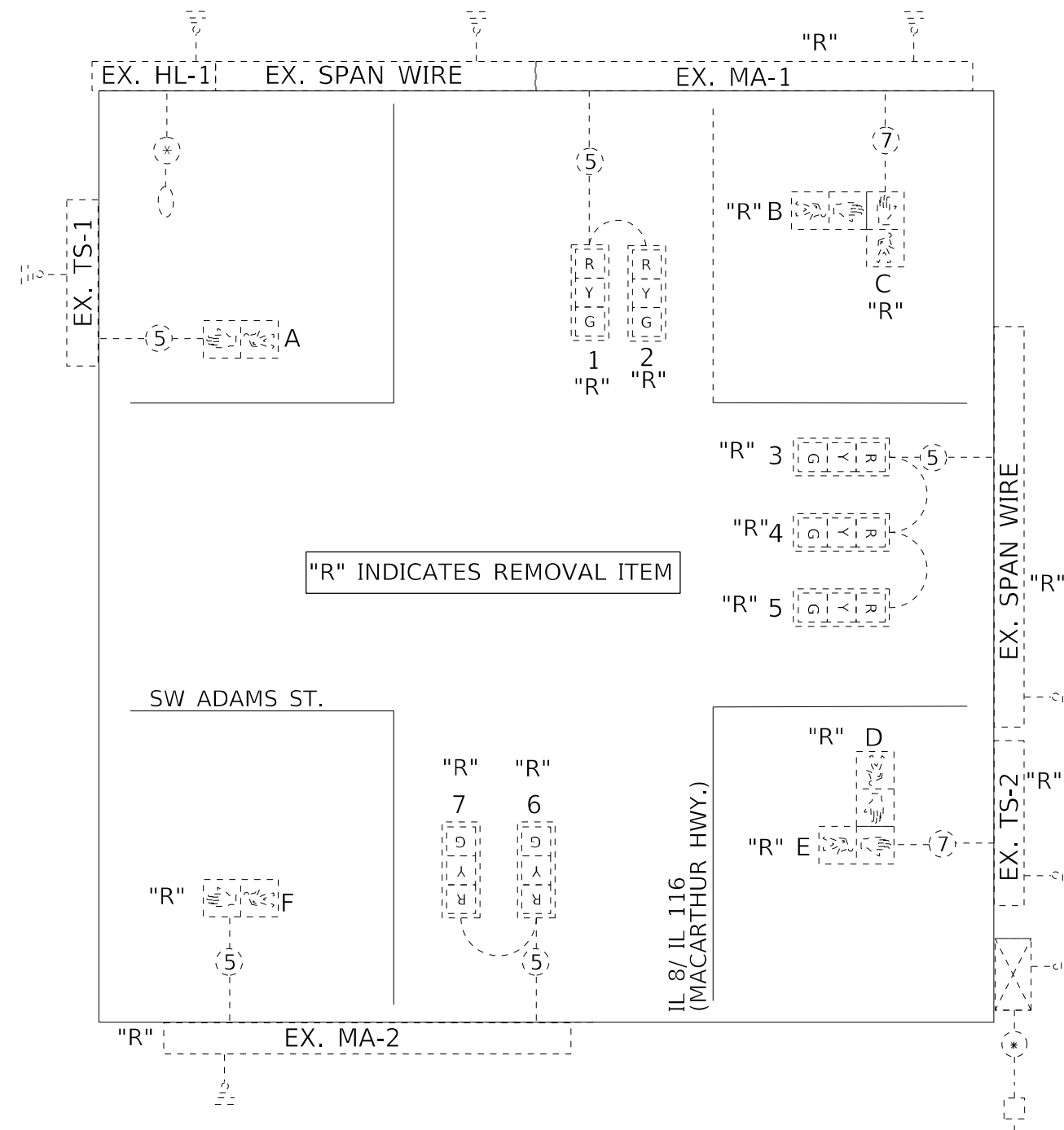
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

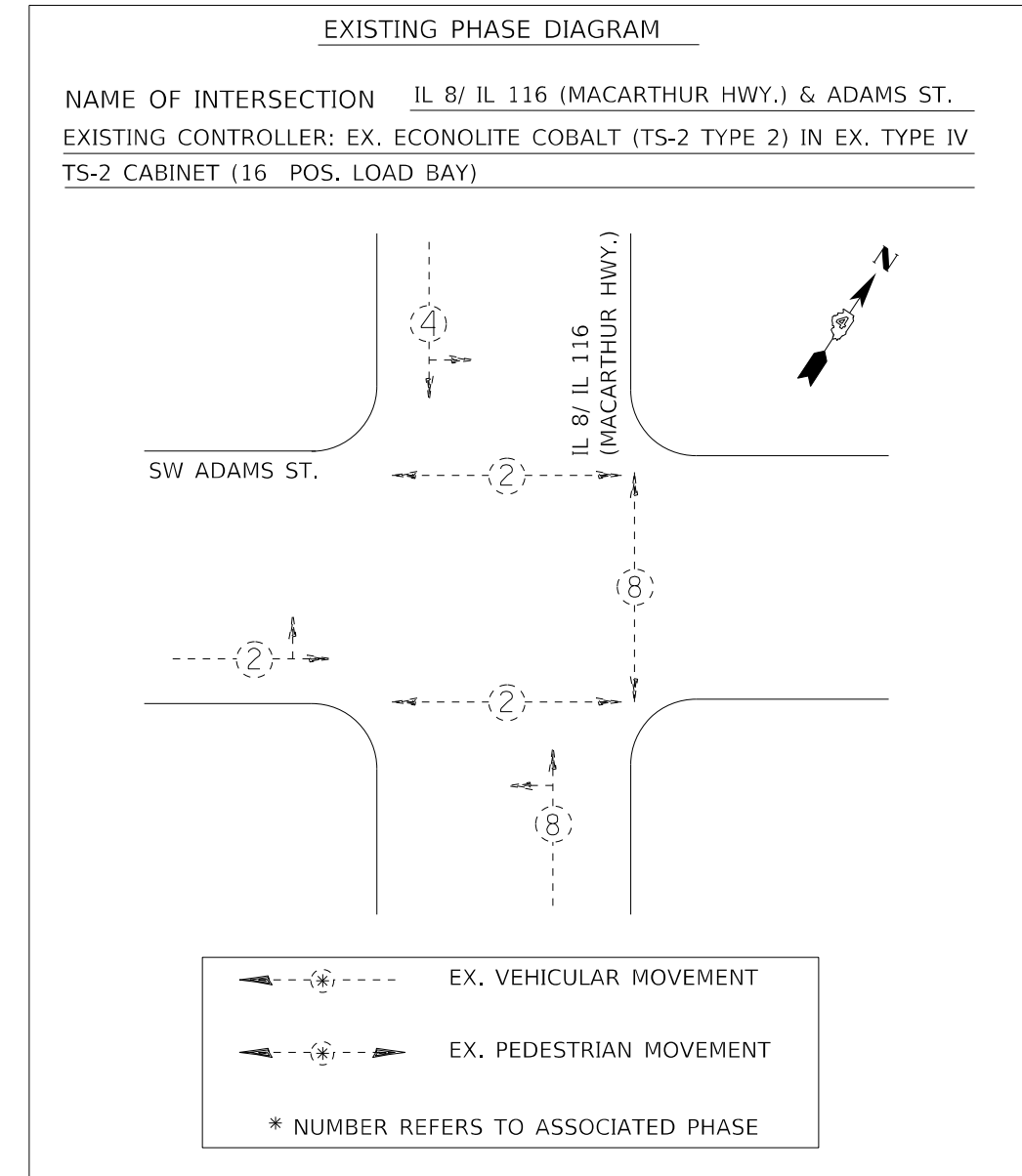
**EXISTING TRAFFIC SIGNAL PLANS & REMOVAL ITEMS
IL 8/IL 116 (MACARTHUR HWY.) & SW ADAMS ST. - PEORIA**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	24
			CONTRACT NO. 68G54	
		ILLINOIS FED. AID PROJECT		

SCALE: SHEET OF SHEETS STA. TO STA.



"R" INDICATES REMOVAL ITEM



TRAFFIC SIGNALS LEGEND

- | | | |
|---------------------------------------|--------------------------------------|-----------------------------|
| EX. TRAFFIC SIGNAL CONTROLLER CABINET | PROP. 3 SEC. SIGNAL HEAD W/BACKPLATE | EX. 5/C NO. 14 SIGNAL CABLE |
| EX. ELECTRIC SERVICE | PROP. PEDESTRIAN SIGNAL HEAD | EX. 7/C NO. 14 SIGNAL CABLE |
| EX. HPS LUMINIARE | EX. GROUND/SAFETY BOND | EX. 1/C NO. 6 CABLE |

NOT TO SCALE

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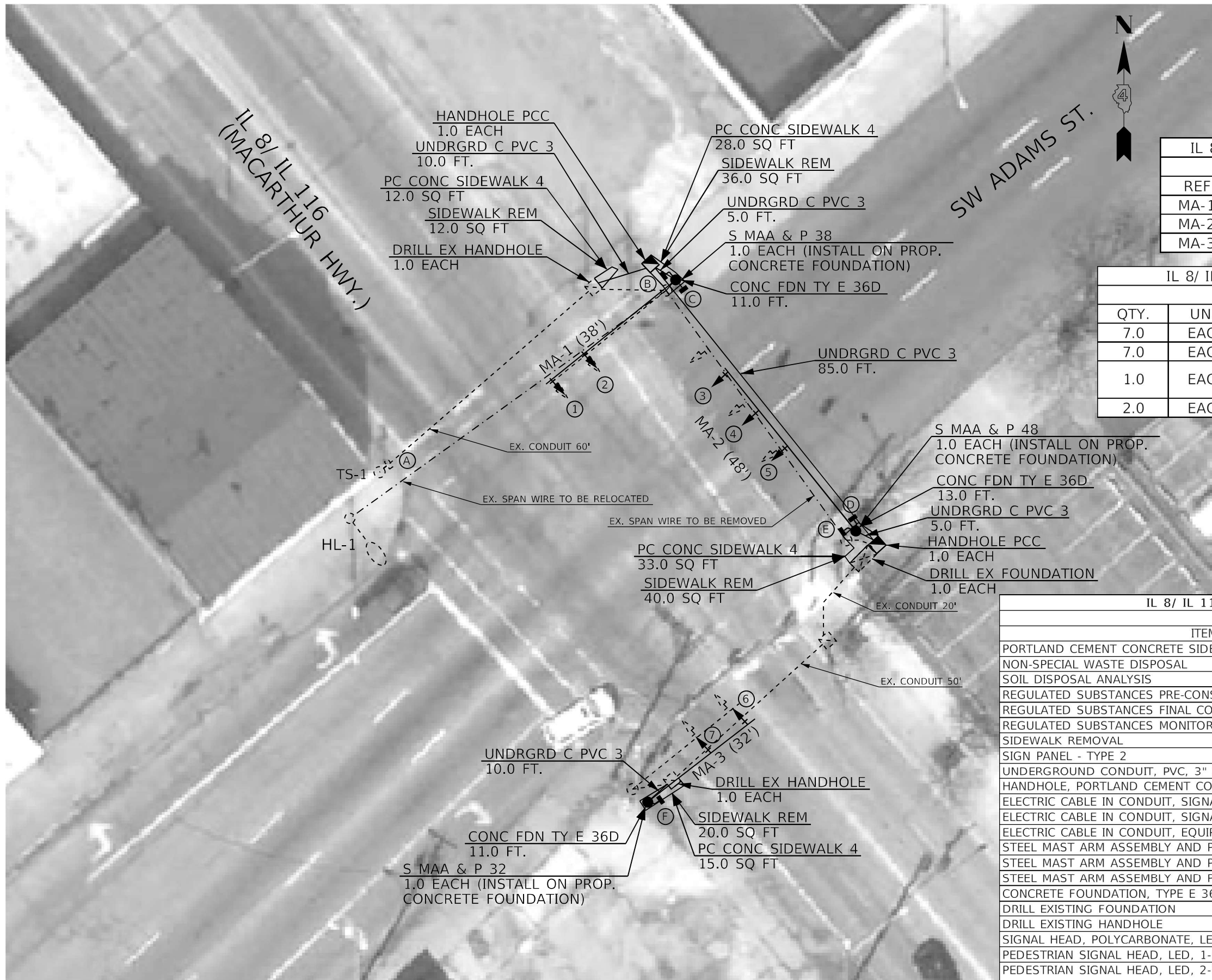
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PLOT DATE = 3/19/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING CABLE & PHASE DIAGRAMS
IL 8/IL 116 (MACARTHUR HWY.) & SW ADAMS ST. - PEORIA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	25
CONTRACT NO. 68G54			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.



NOTES:
 1. THE EXISTING SPAN WIRE THAT FEEDS HL-1 SHALL BE RELOCATED THROUGH THE PROPOSED CONDUIT FROM THE CONTROLLER TO PROP. MA-1 AND FROM PROP. MA-1 OVERHEAD TO EX. HL-1. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED MAST ARM.

IL 8/ IL 116 (MACARTHUR HWY.) & SW ADAMS ST.			
MAST ARM SCHEDULE			
REF	LOCATION	LENGTH	DESCRIPTION
MA-1	N QUAD	38 FT.	S MAA & P
MA-2	E QUAD	48 FT.	S MAA & P
MA-3	S QUAD	32 FT.	S MAA & P

IL 8/ IL 116 (MACARTHUR HWY.) & SW ADAMS ST.			
TRAFFIC SIGNAL HEAD SCHEDULE			
QTY.	UNIT	ITEM	LOCATION
7.0	EACH	SH P LED 1F 3S MAM	1,2,3,4,5,6,7
7.0	EACH	TS BACKPLATE RET-REFL	1,2,3,4,5,6,7
1.0	EACH	PED SH LED 1F BM	F (PROPOSED) A(EXISTING)
2.0	EACH	PED SH LED 2F BM	B/C, D/E

IL 8/ IL 116 (MACARTHUR) & ADAMS - PROPOSED		
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QTY.
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	88.0
NON-SPECIAL WASTE DISPOSAL	CU YD	4.0
SOIL DISPOSAL ANALYSIS	EACH	1.0
REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	0.3
REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	0.3
REGULATED SUBSTANCES MONITORING	CAL DA	1.0
SIDEWALK REMOVAL	SQ FT	108.0
SIGN PANEL - TYPE 2	SQ FT	37.2
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	115.0
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	769.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	158.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	178.5
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	35.0
DRILL EXISTING FOUNDATION	EACH	1.0
DRILL EXISTING HANDHOLE	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7.0
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	1.0
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	2.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	7.0

SHEET REVISED 3-26-21 TJH

NOT TO SCALE

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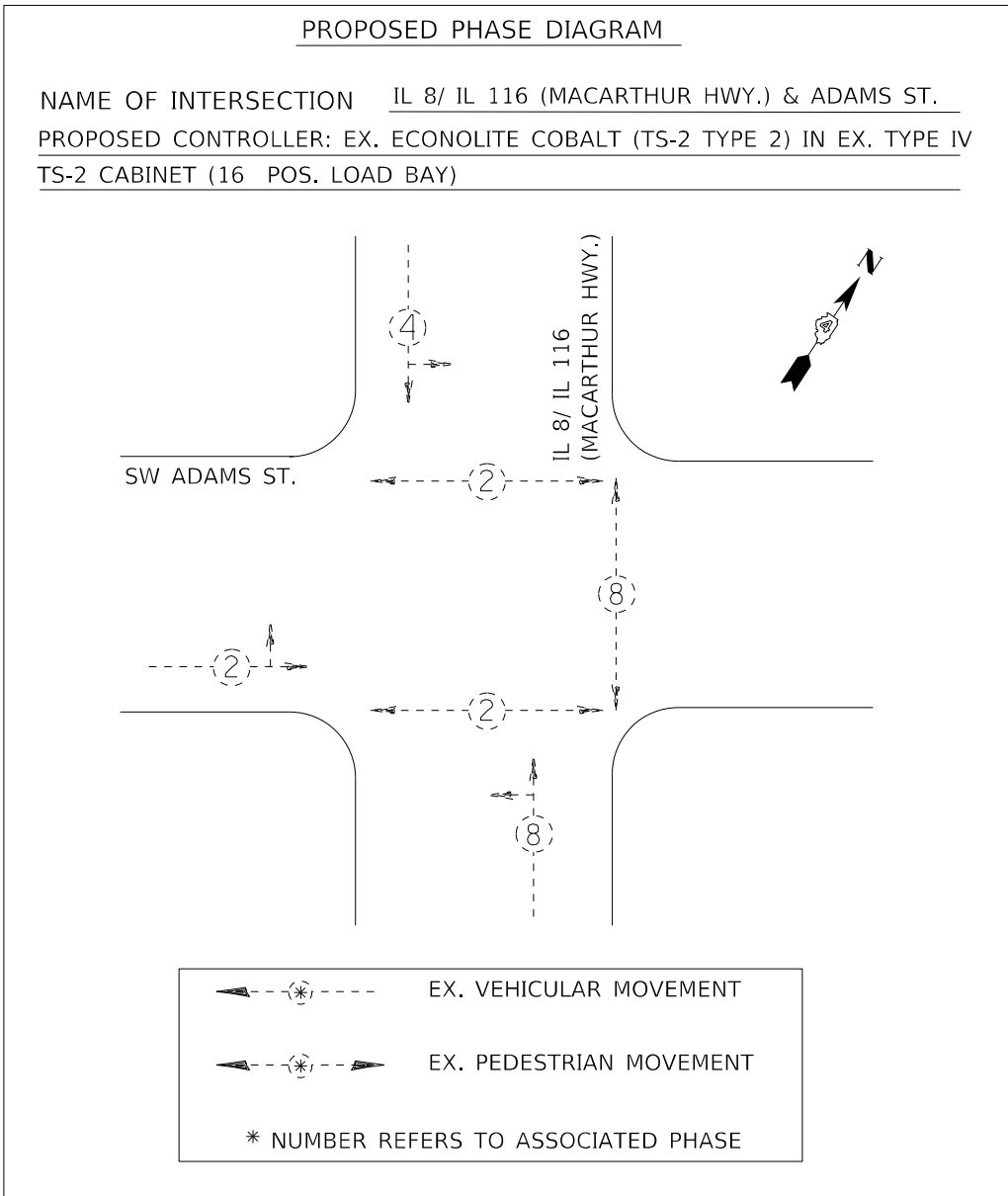
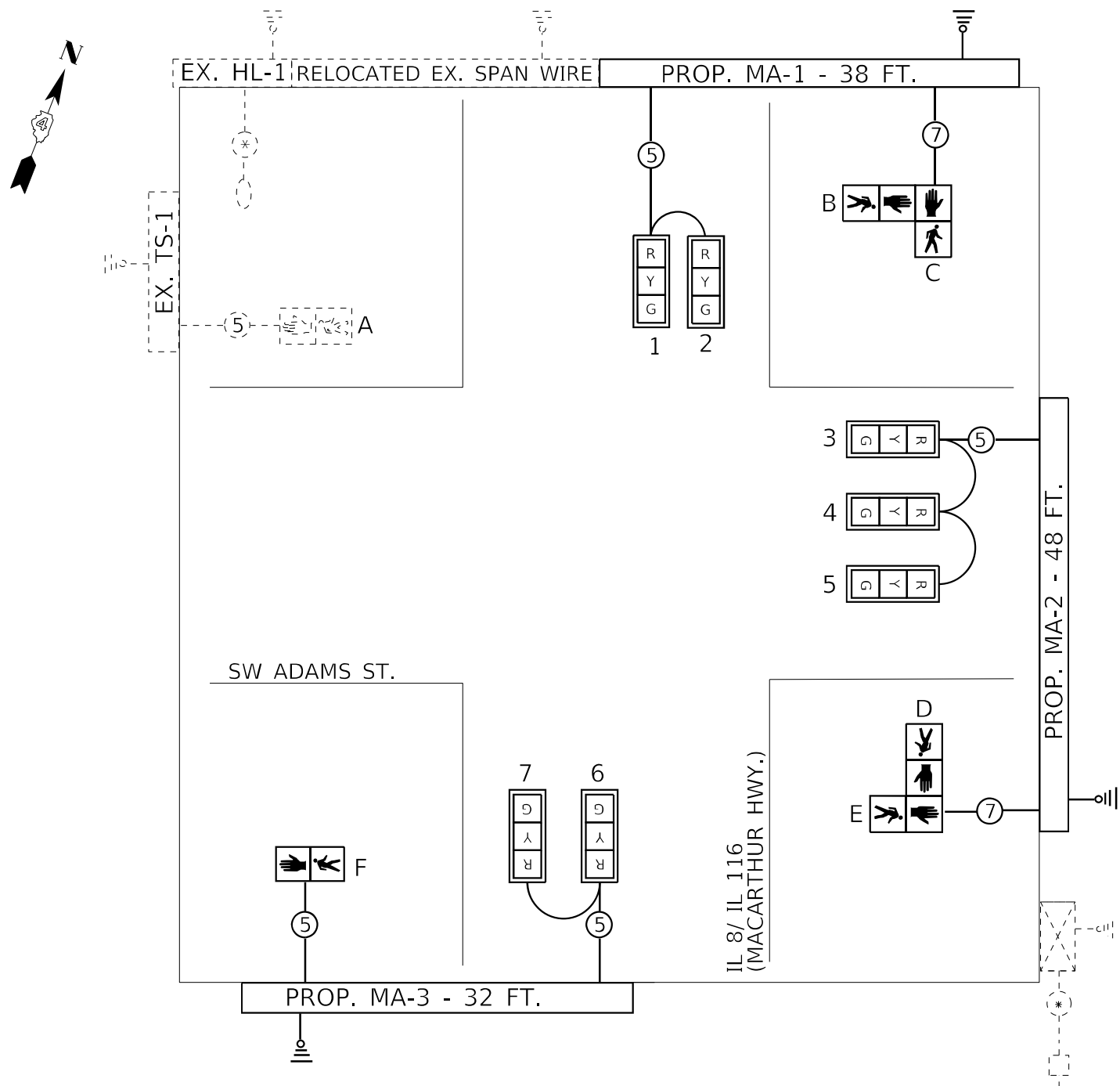
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PLOT DATE = 3/29/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED TRAFFIC SIGNAL PLANS
IL 8/IL 116 (MACARTHUR HWY.) & SW ADAMS ST. - PEORIA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	26
CONTRACT NO. 68G54			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.



TRAFFIC SIGNALS LEGEND

- EX. TRAFFIC SIGNAL CONTROLLER CABINET
- EX. ELECTRIC SERVICE
- PROP. GROUND/SAFETY BOND
- EX. GROUND/SAFETY BOND
- EX. HPS LUMINIAIRE
- PROP. 3 SEC. SIGNAL HEAD W/BACKPLATE
- EX. PEDESTRIAN SIGNAL HEAD
- PROP. PEDESTRIAN SIGNAL HEAD
- PROP. 5/C NO. 14 SIGNAL CABLE
- PROP. 7/C NO. 14 SIGNAL CABLE
- EX. 1/C NO. 6 CABLE

NOT TO SCALE

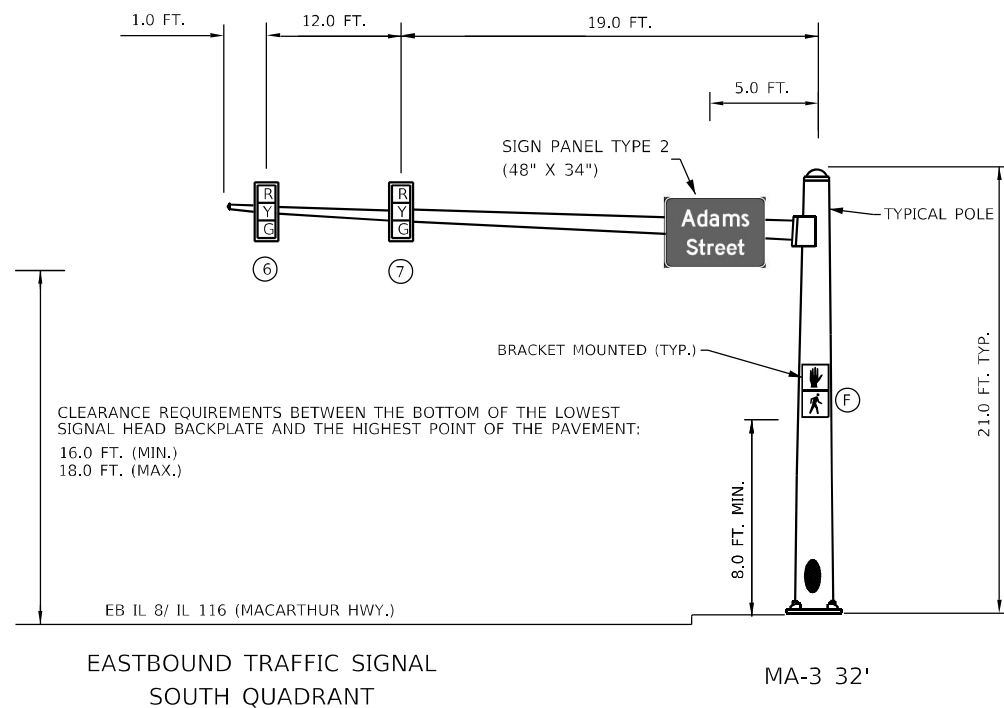
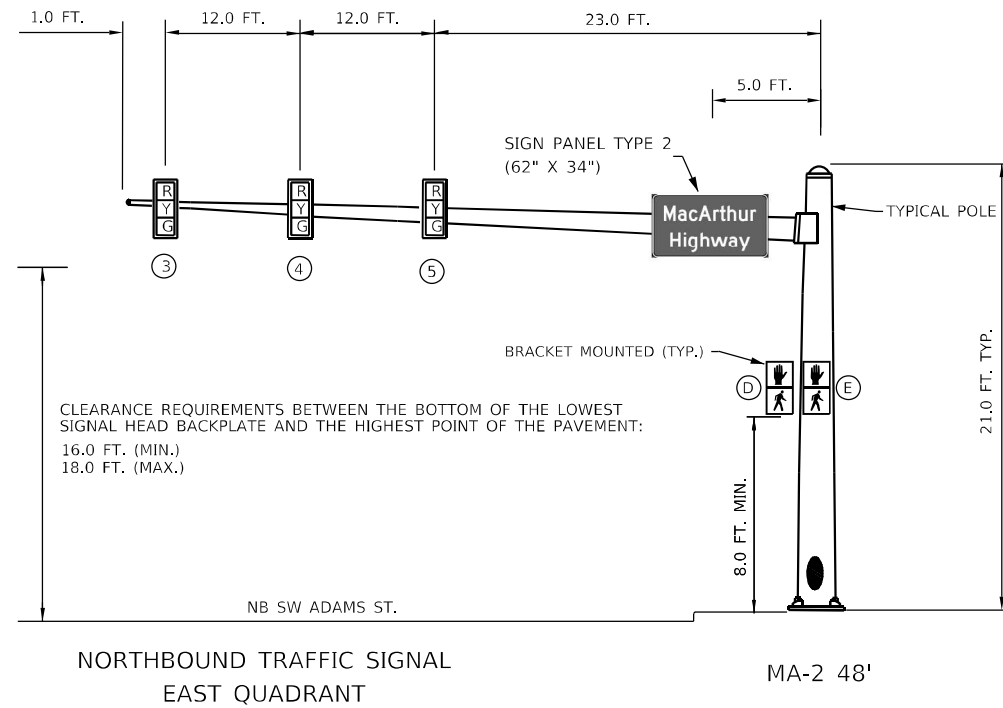
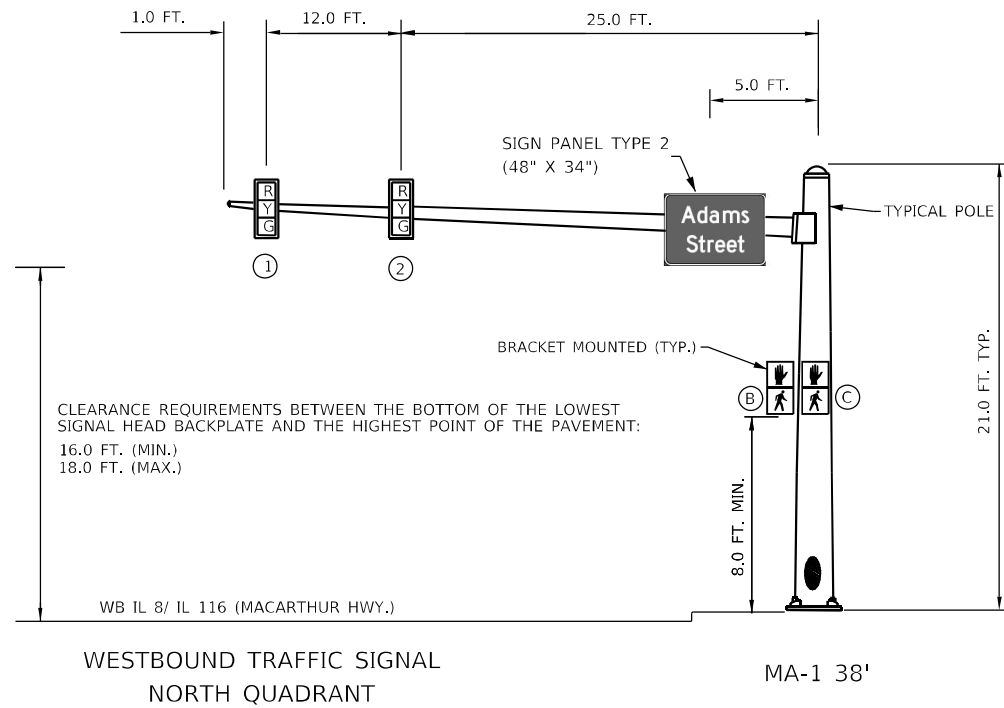
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PLOT DATE = 3/19/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED CABLE & PHASE DIAGRAMS	
IL 8/IL 116 (MACARTHUR HWY.) & SW ADAMS ST. - PEORIA	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G54	



NOTES:

1. THE CONTRACTOR SHALL RELOCATE ALL OTHER EXISTING SIGNS FROM THE REMOVED 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 COST OF THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL POSTS.
2. ALL PROPOSED SIGNS SHALL INCLUDE THE BLOCK NUMBERING AT THE BOTTOM OF THE SIGN.

NOT TO SCALE

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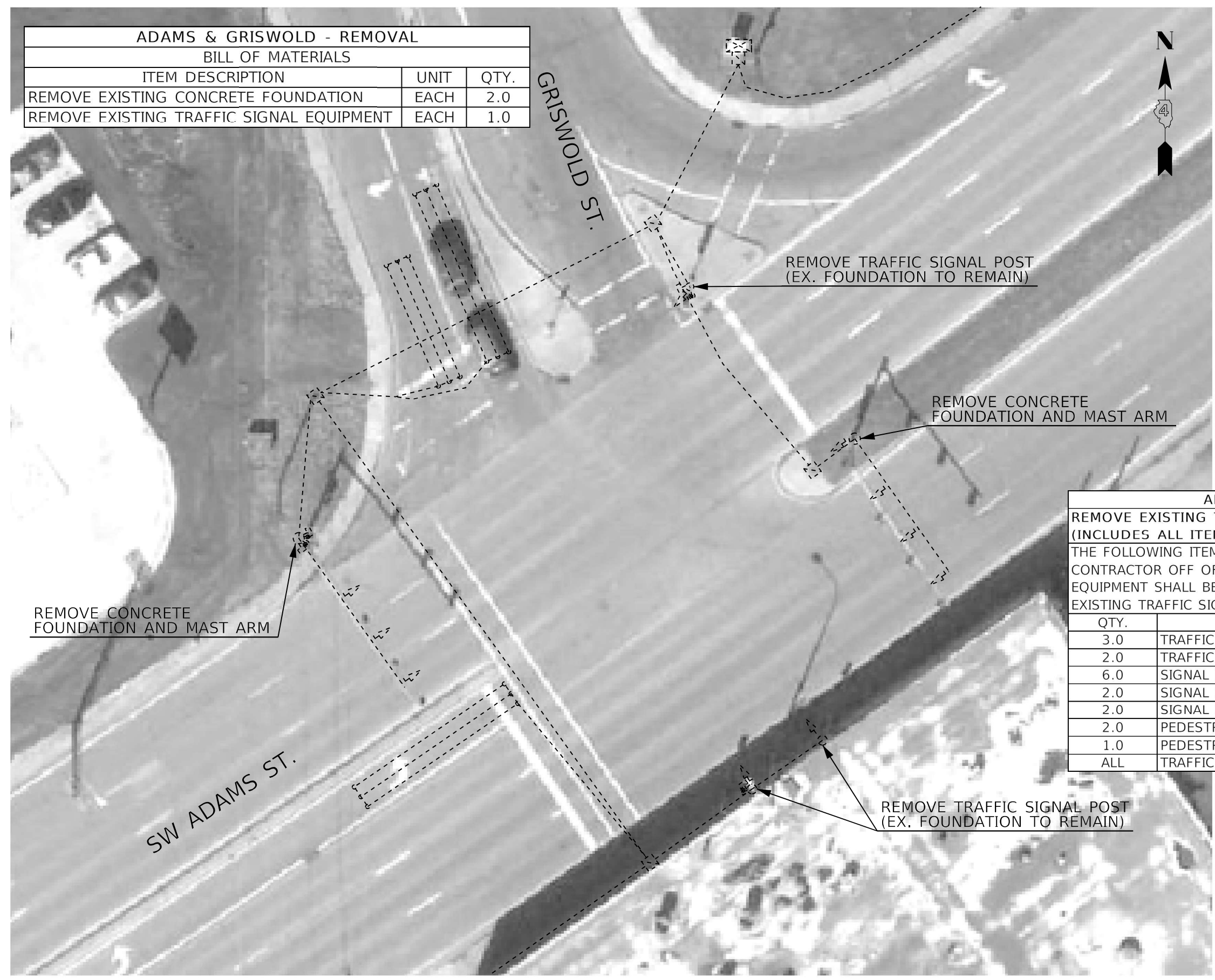
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED MAST ARM DETAILS
IL 8/IL 116 (MACARTHUR HWY.) & SW ADAMS ST. - PEORIA

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	28
			CONTRACT NO. 68G54	
		ILLINOIS FED. AID PROJECT		

ADAMS & GRISWOLD - 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.

ADAMS & GRISWOLD - 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
3.0	TRAFFIC SIGNAL POST
2.0	TRAFFIC SIGNAL MAST ARM
6.0	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2.0	SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
2.0	SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
2.0	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED
1.0	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED
ALL	TRAFFIC SIGNAL CABLING NOT USED IN PROP. INSTALLATION

NOT TO SCALE

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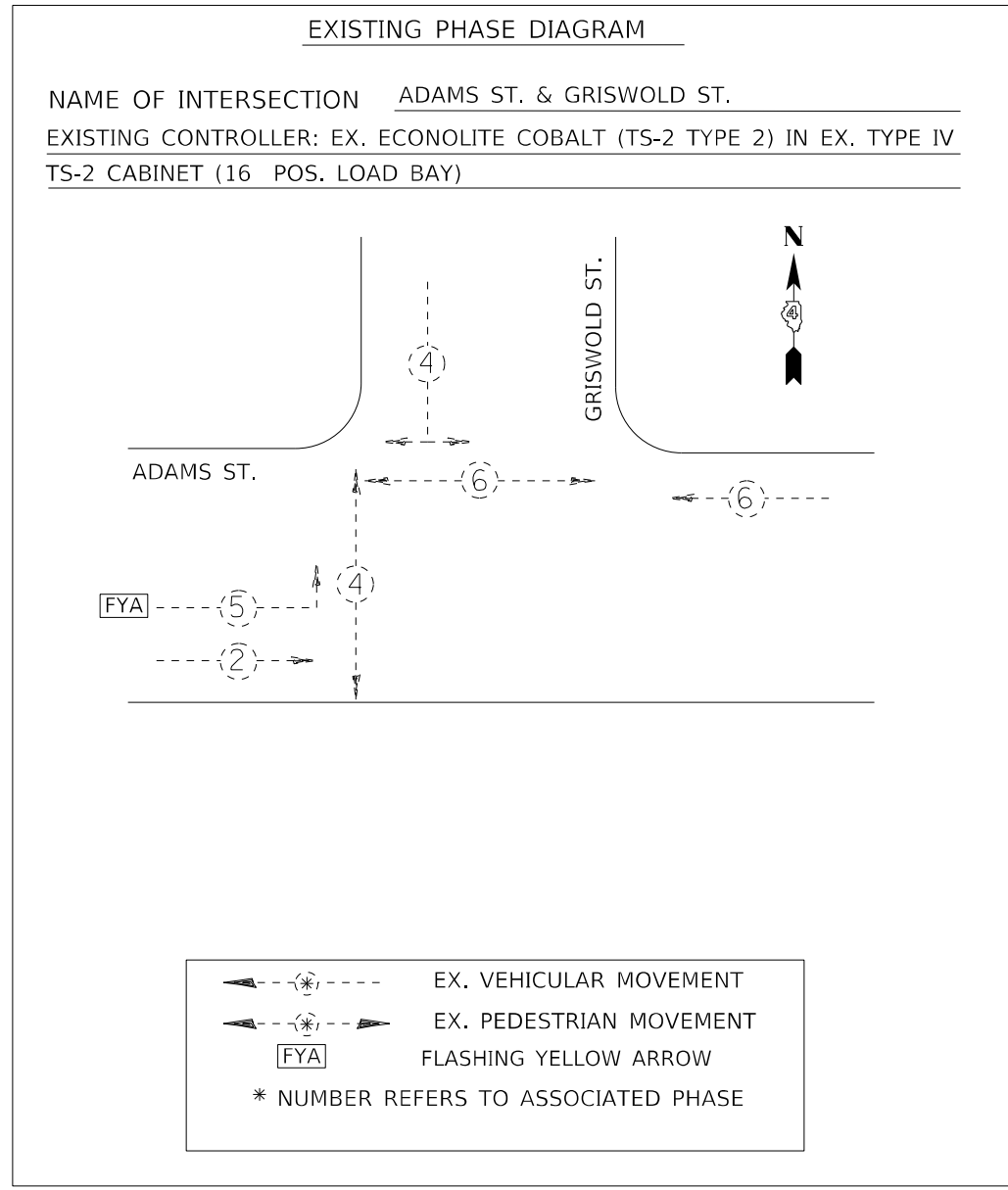
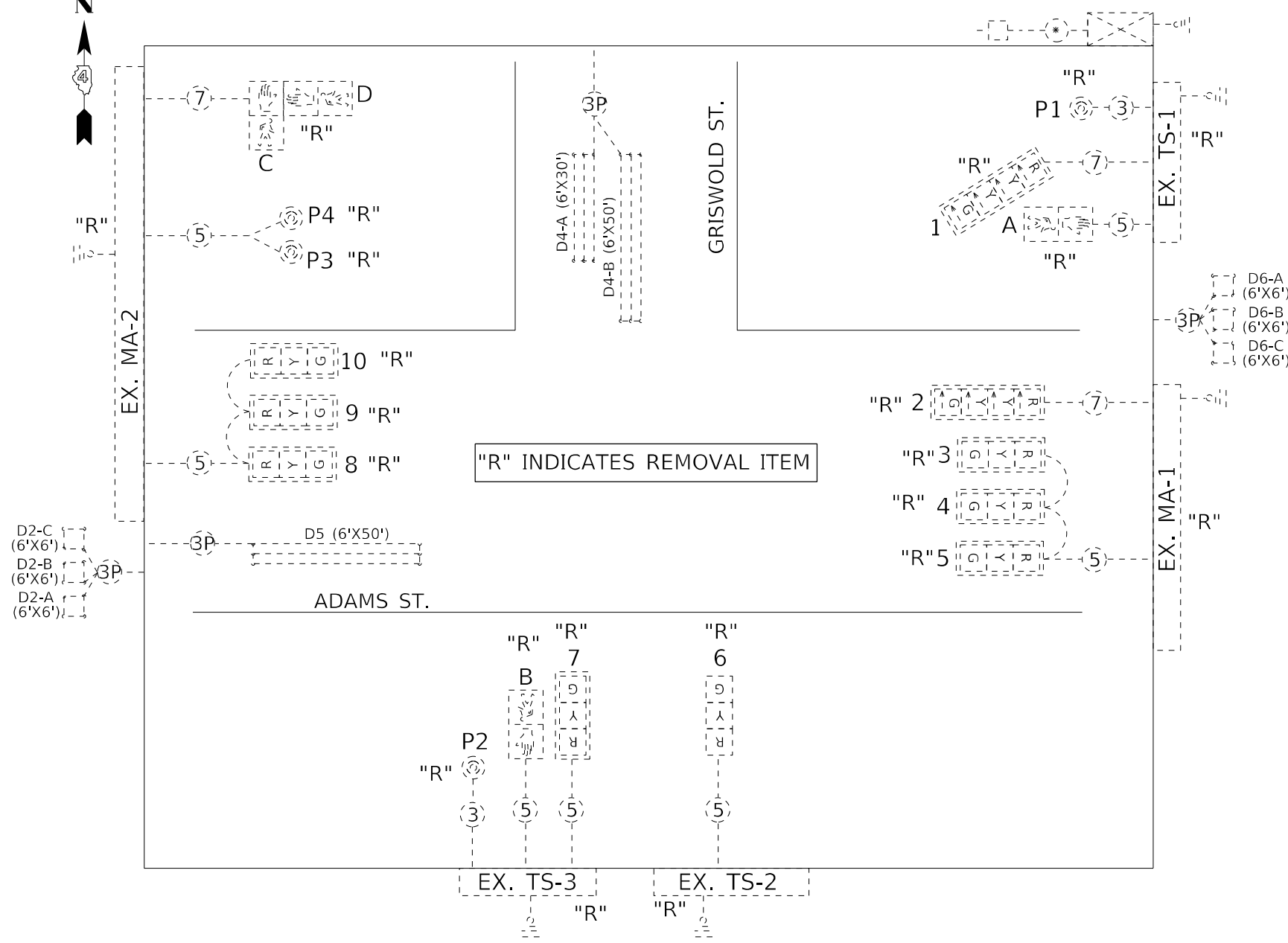
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PLOT DATE = 3/19/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL PLANS & REMOVAL ITEMS
 SW ADAMS ST. & GRISWOLD ST. - PEORIA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	29
			CONTRACT NO. 68G54	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



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. DETECTOR LOOP		EX. PEDESTRIAN SIGNAL HEAD		EX. 7/C NO. 14 SIGNAL CABLE
			EX. PEDESTRIAN PUSHBUTTON		EX. 1/C NO. 6 CABLE
			EX. GROUND/SAFETY BOND		

NOT TO SCALE

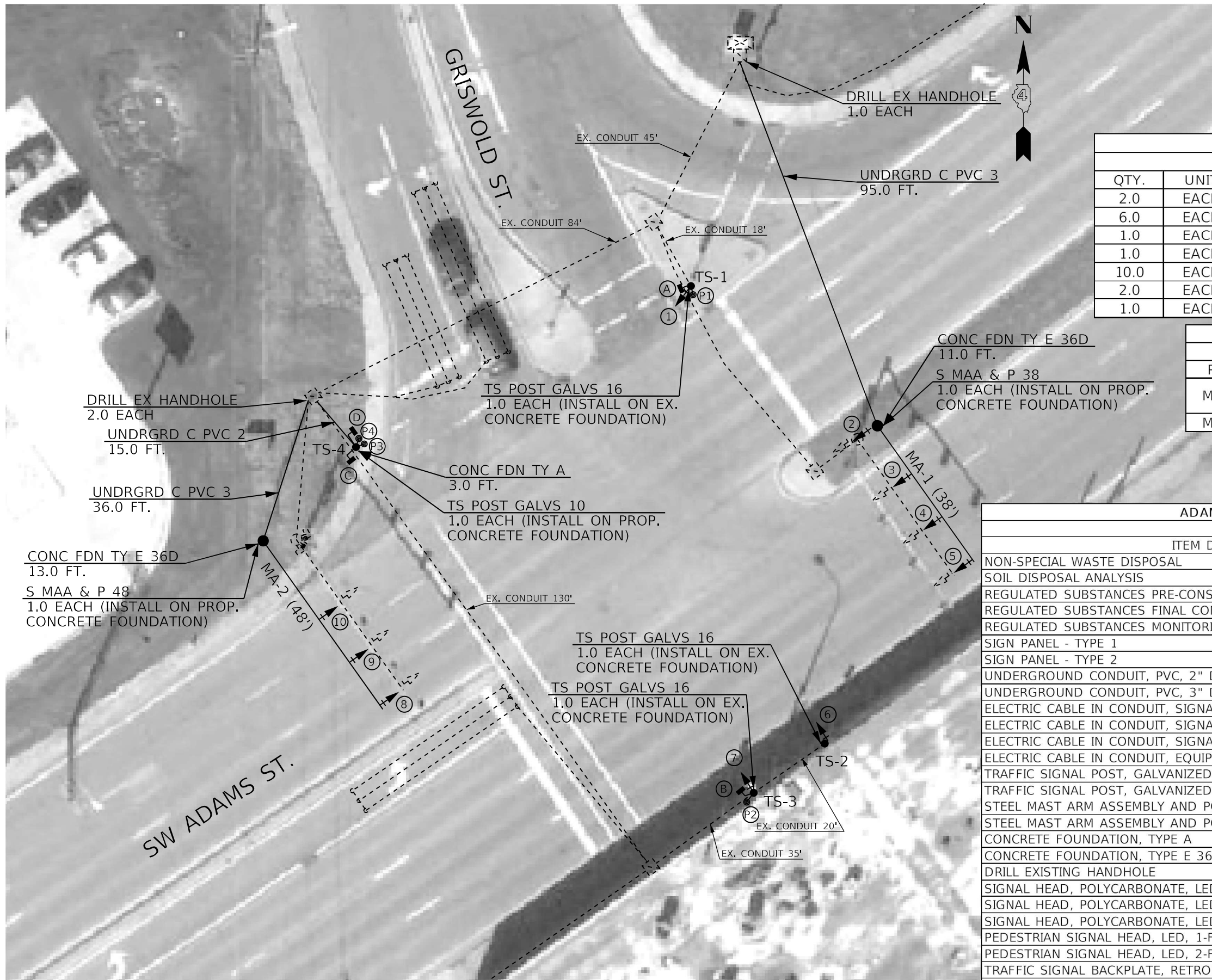
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PLOT DATE = 3/19/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CABLE & PHASE DIAGRAMS	
ADAMS ST. & GRISWOLD ST. - PEORIA	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	30
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G54	



NOTES:
 1. THE EXISTING LOOP LEAD-IN CABLES SHALL REMAIN INTACT AND OPERATIONAL FOR THE PROPOSED DESIGN.

SW ADAMS ST. & GRISWOLD ST. TRAFFIC SIGNAL HEAD SCHEDULE			
QTY.	UNIT	ITEM	LOCATION
2.0	EACH	SH P LED 1F 3S BM	6,7
6.0	EACH	SH P LED 1F 3S MAM	3,4,5,8,9,10
1.0	EACH	SH P LED 1F 4S BM	1
1.0	EACH	SH P LED 1F 4S MAM	2
10.0	EACH	TS BACKPLATE RET-REFL	1,2,3,4,5,6,7,8,9,10
2.0	EACH	PED SH LED 1F BM	A,B
1.0	EACH	PED SH LED 2F BM	C/D

SW ADAMS ST. & GRISWOLD ST. MAST ARM SCHEDULE			
REF	LOCATION	LENGTH	DESCRIPTION
MA-1	MEDIAN EAST OF INTERSECTION	38 FT.	S MAA & P
MA-2	NW QUAD	48 FT.	S MAA & P

ADAMS & GRISWOLD - PROPOSED BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QTY.
NON-SPECIAL WASTE DISPOSAL	CU YD	4.0
SOIL DISPOSAL ANALYSIS	EACH	1.0
REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	0.3
REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	0.3
REGULATED SUBSTANCES MONITORING	CAL DA	2.0
SIGN PANEL - TYPE 1	SQ FT	5.0
SIGN PANEL - TYPE 2	SQ FT	25.9
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	15.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	131.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	426.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1774.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	407.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 10	FOOT	183.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3.0
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE A	FOOT	3.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	24.0
DRILL EXISTING HANDHOLE	EACH	3.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	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	2.0
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2.0
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	1.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	10.0
PEDESTRIAN PUSH-BUTTON	EACH	4.0

SHEET REVISED 3-26-21 TJH

NOT TO SCALE

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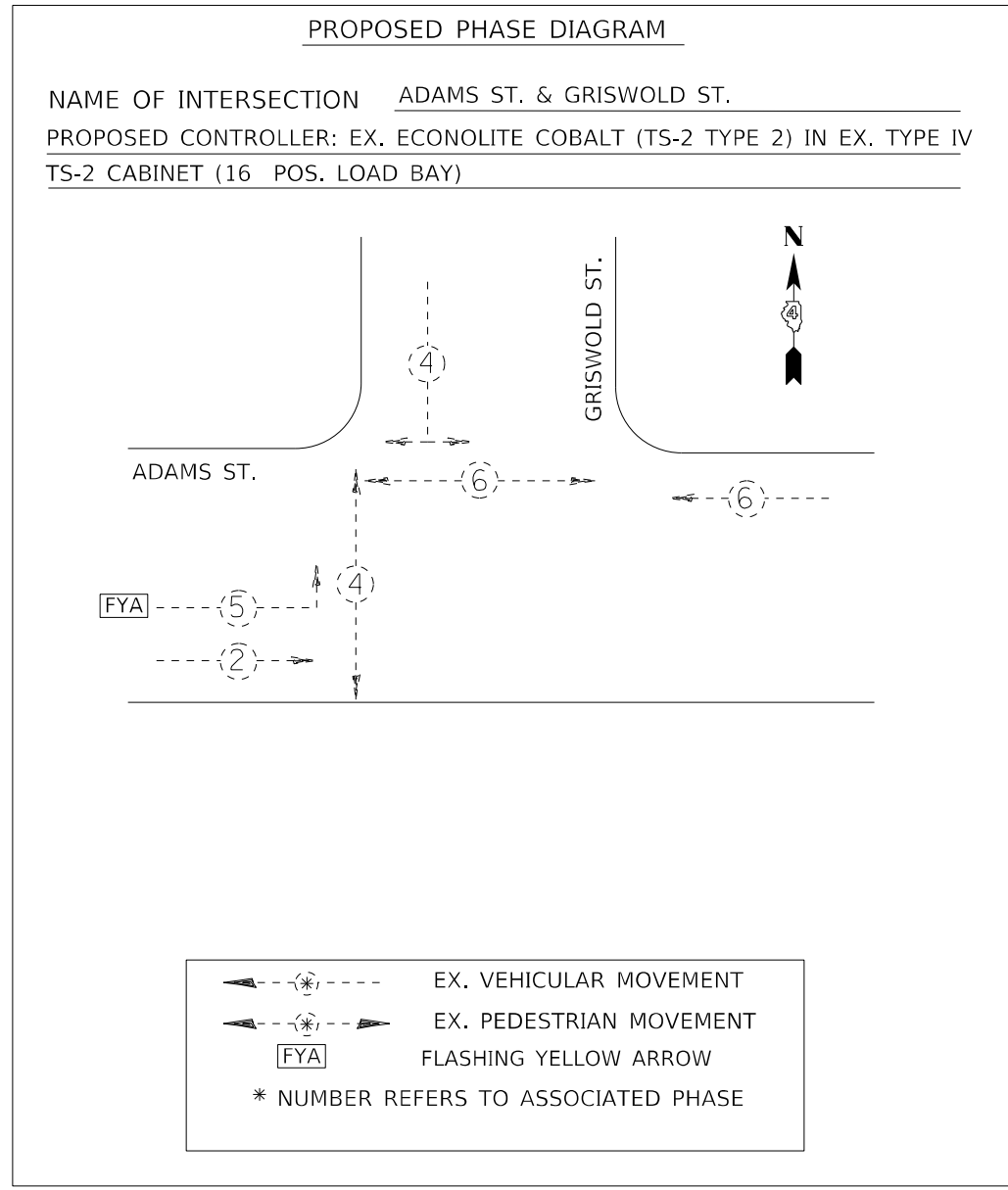
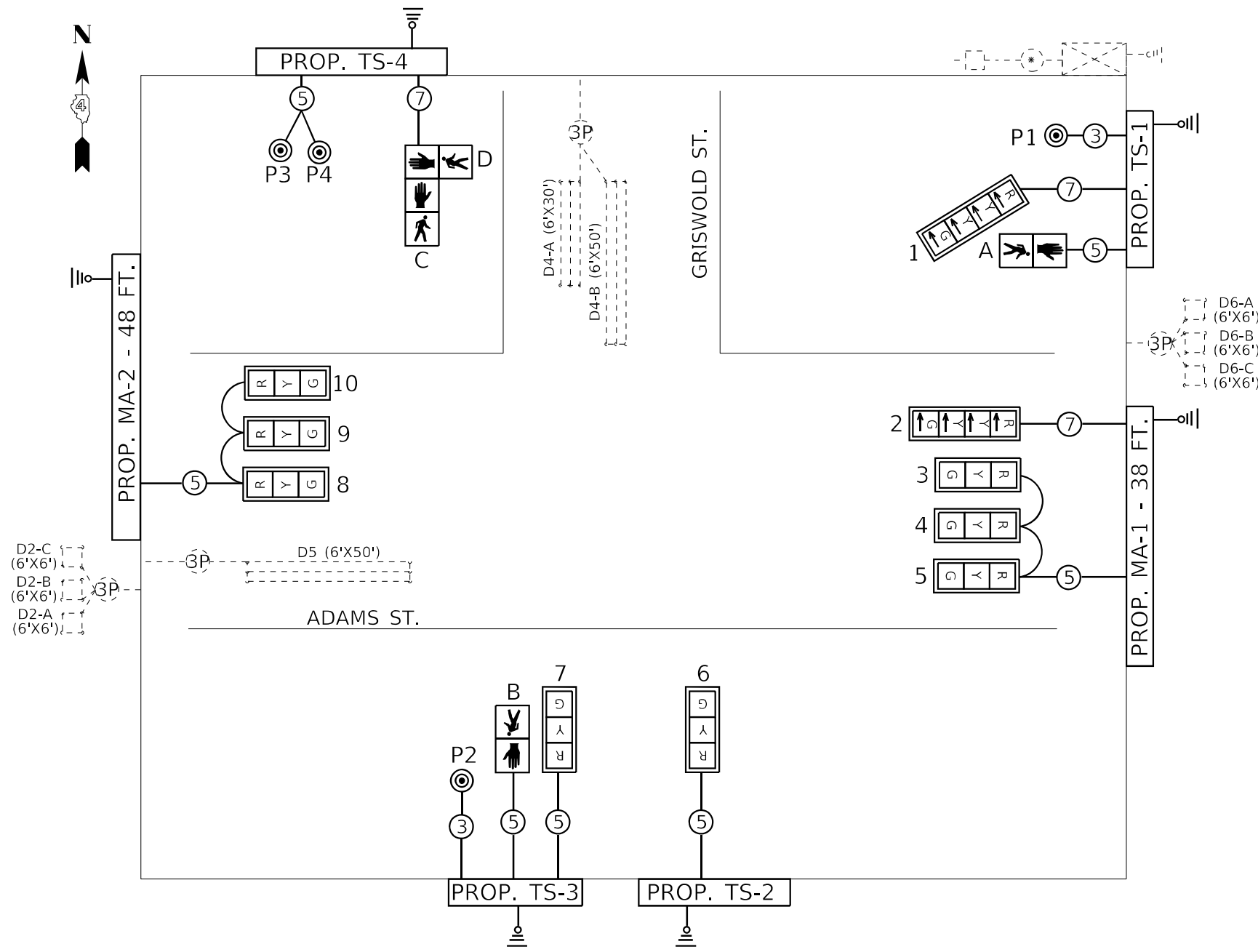
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL PLANS
SW ADAMS ST. & GRISWOLD ST. - PEORIA**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	31
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G54	



TRAFFIC SIGNALS LEGEND

- | | | |
|--|--|---|
| <p> EX. TRAFFIC SIGNAL CONTROLLER CABINET</p> <p> EX. ELECTRIC SERVICE</p> <p> EX. QUADRUPLE DETECTOR LOOP</p> <p> EX. DETECTOR LOOP</p> | <p> PROP. 3 SEC. SIGNAL HEAD W/BACKPLATE</p> <p> PROP. 4 SEC. SIGNAL HEAD W/BACKPLATE</p> <p> PROP. PEDESTRIAN SIGNAL HEAD</p> <p> PROP. PEDESTRIAN PUSHBUTTON</p> <p> PROP. GROUND/SAFETY BOND</p> <p> EX. GROUND/SAFETY BOND</p> | <p> EX. NO. 18 3-PR DETECTOR LOOP CABLE</p> <p> PROP. 3/C NO. 14 SIGNAL CABLE</p> <p> PROP. 5/C NO. 14 SIGNAL CABLE</p> <p> PROP. 7/C NO. 14 SIGNAL CABLE</p> <p> EX. 1/C NO. 6 CABLE</p> |
|--|--|---|

NOT TO SCALE

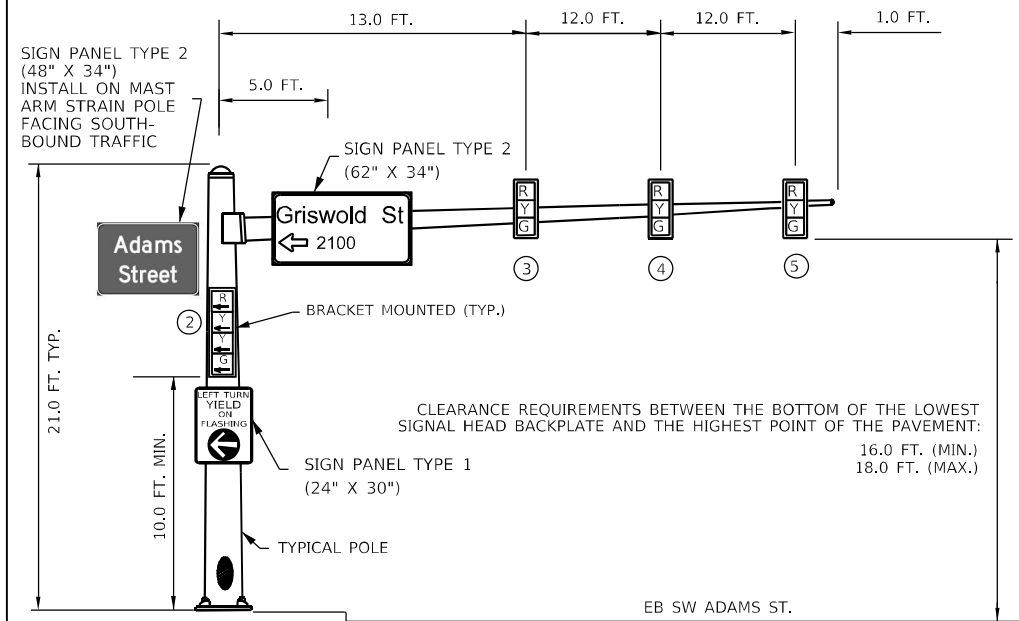
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

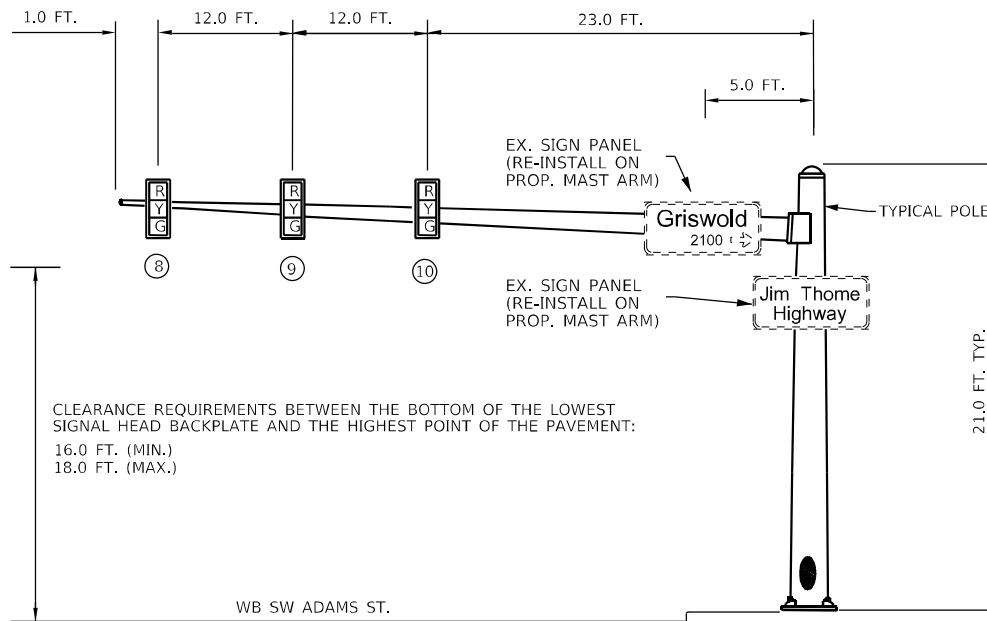
PROPOSED CABLE & PHASE DIAGRAMS			
ADAMS ST. & GRISWOLD ST. - PEORIA			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	32
CONTRACT NO. 68G54				
ILLINOIS FED. AID PROJECT				



MA-1 38'

EASTBOUND TRAFFIC SIGNAL
CENTER MEDIAN EAST OF INTERSECTION

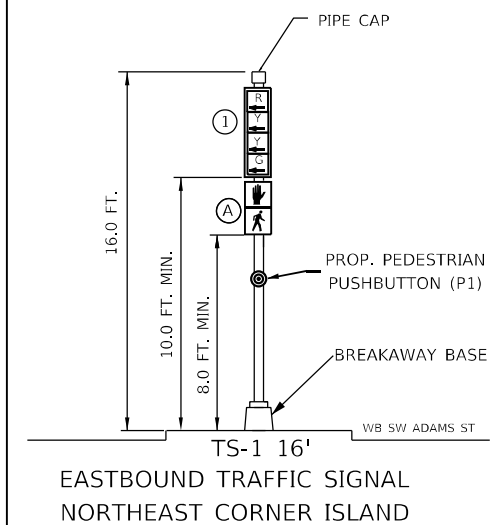


MA-2 48'

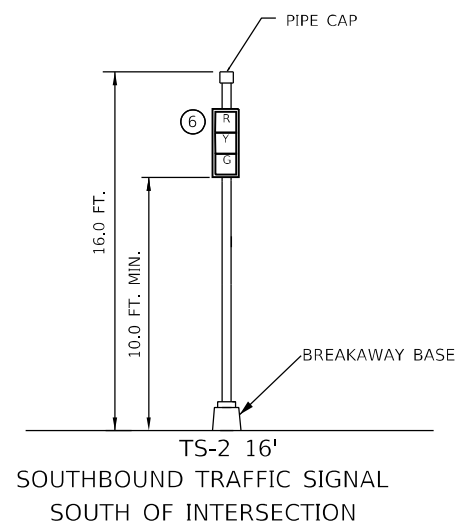
WESTBOUND TRAFFIC SIGNAL
NORTHWEST QUADRANT

NOTES:

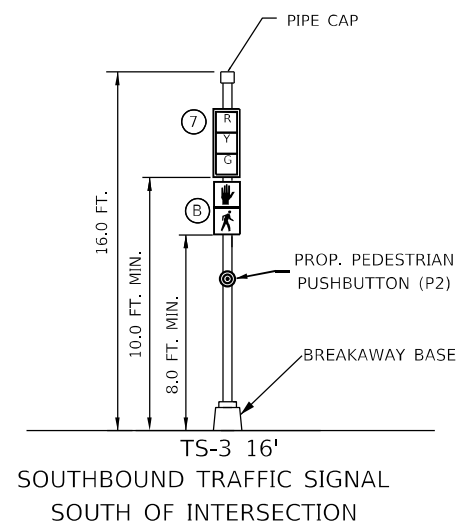
1. THE CONTRACTOR SHALL RELOCATE ALL OTHER EXISTING SIGNS FROM THE REMOVED MAST ARMS AND TRAFFIC SIGNAL POSTS TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL POSTS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL POSTS.
2. ALL PROPOSED SIGNS SHALL INCLUDE THE BLOCK NUMBERING AT THE BOTTOM OF THE SIGN.



TS-1 16'
EASTBOUND TRAFFIC SIGNAL
NORTHEAST CORNER ISLAND

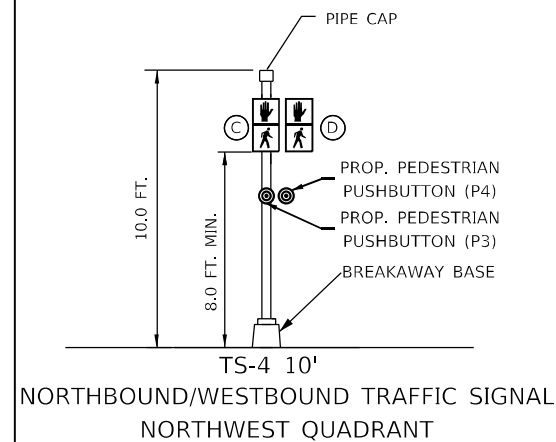


TS-2 16'
SOUTHBOUND TRAFFIC SIGNAL
SOUTH OF INTERSECTION



TS-3 16'
SOUTHBOUND TRAFFIC SIGNAL
SOUTH OF INTERSECTION

INSTALLATION NOTE:
PEDESTRIAN SIGNAL HEAD C LOCATED FACING NORTHBOUND TRAFFIC
PEDESTRIAN SIGNAL HEAD D LOCATED FACING WESTBOUND TRAFFIC
PEDESTRIAN PUSHBUTTON P3 LOCATED ON SOUTH SIDE OF POLE
PEDESTRIAN PUSHBUTTON P4 LOCATED ON EAST SIDE OF POLE



TS-4 10'
NORTHBOUND/WESTBOUND TRAFFIC SIGNAL
NORTHWEST QUADRANT

NOT TO SCALE

MODEL: Default
FILE NAME: G:\Common\GEN\Traffic - Bureau\68G54 - Final Plans\68G54 - D4 Mast Arm Replacement 2021 Final (03-19-21).dgn

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PLOT DATE = 3/19/2021

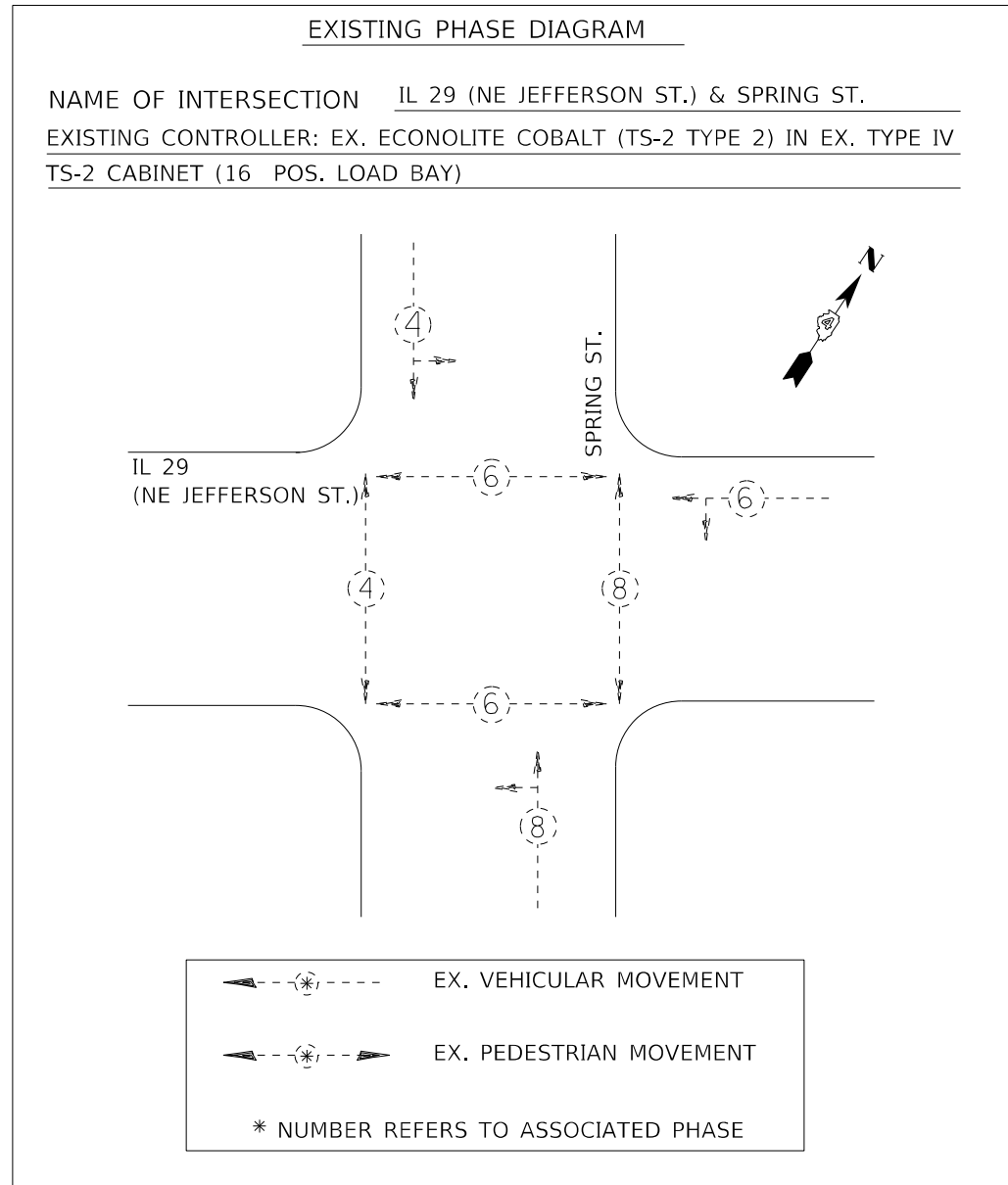
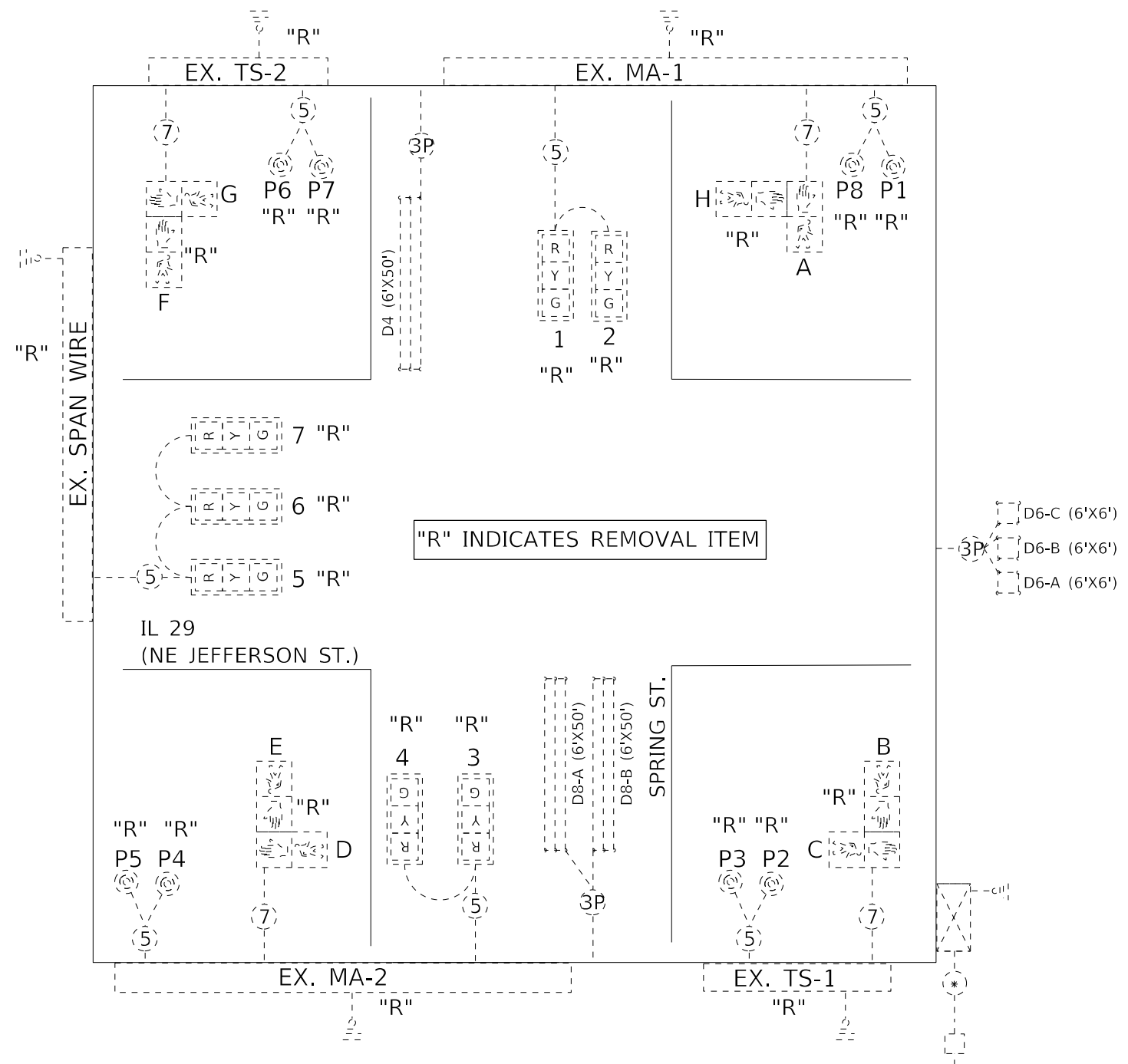
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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED MAST ARM AND TRAFFIC SIGNAL POST DETAILS
ADAMS ST. & GRISWOLD ST. - PEORIA

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	33
			CONTRACT NO. 68G54	
		ILLINOIS FED. AID PROJECT		



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. PEDESTRIAN SIGNAL HEAD	EX. 5/C NO. 14 SIGNAL CABLE
EX. QUADRUPOLE DETECTOR LOOP	EX. PEDESTRIAN PUSHBUTTON	EX. 7/C NO. 14 SIGNAL CABLE
EX. DETECTOR LOOP	EX. GROUND/SAFETY BOND	EX. 1/C NO. 6 CABLE

NOT TO SCALE

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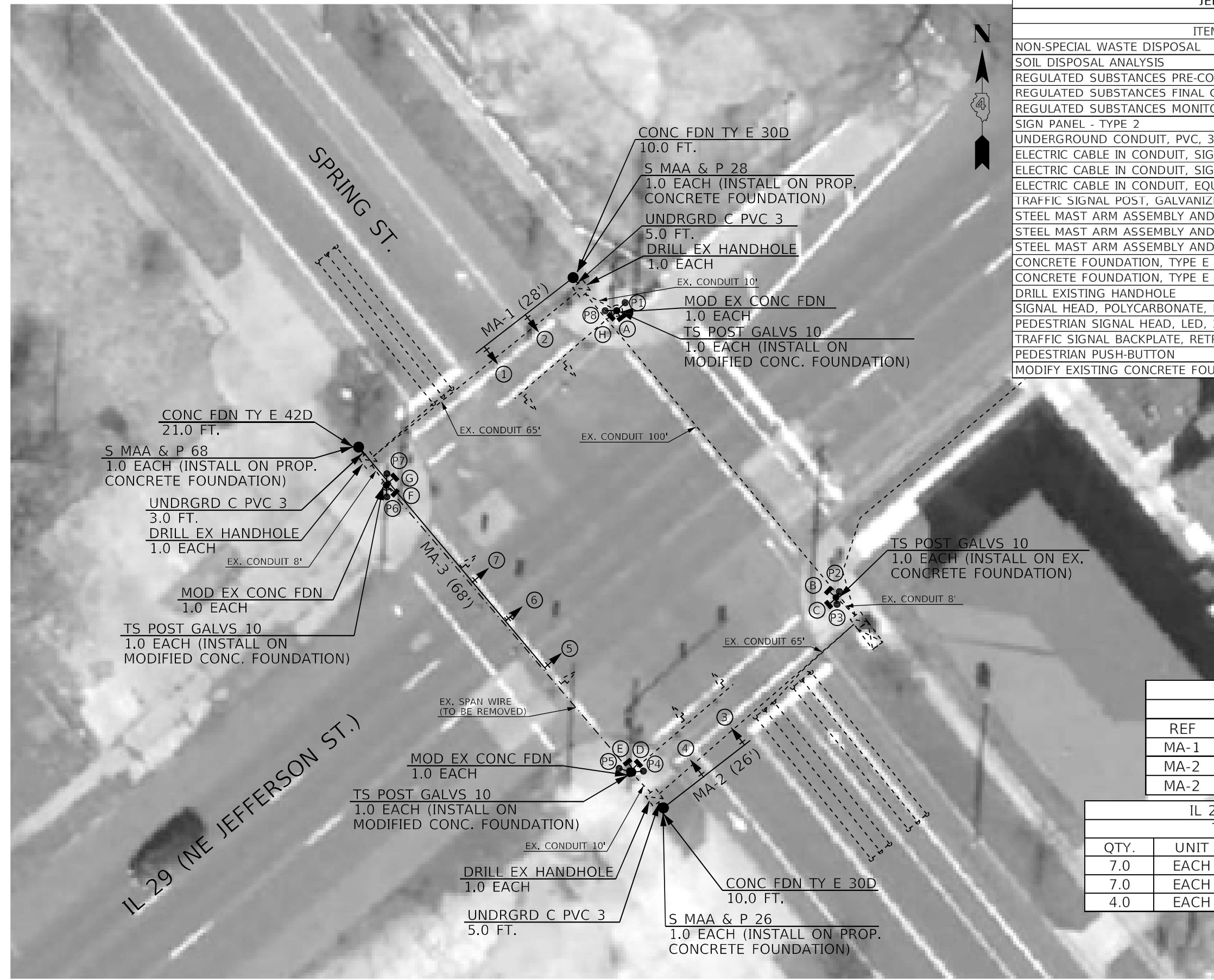
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PLOT DATE = 3/19/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CABLE & PHASE DIAGRAMS	
IL 29 (NE JEFFERSON ST.) & SPRING ST. - PEORIA	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G54	

JEFFERSON & SPRING - PROPOSED		
BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QTY.
NON-SPECIAL WASTE DISPOSAL	CU YD	4.0
SOIL DISPOSAL ANALYSIS	EACH	1.0
REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	0.2
REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	0.2
REGULATED SUBSTANCES MONITORING	CAL DA	1.0
SIGN PANEL - TYPE 2	SQ FT	44.2
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	13.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1153.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	526.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 10	FOOT	50.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	4.0
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE, 68 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20.0
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21.0
DRILL EXISTING HANDHOLE	EACH	3.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7.0
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	4.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	7.0
PEDESTRIAN PUSH-BUTTON	EACH	8.0
MODIFY EXISTING CONCRETE FOUNDATION	EACH	3.0



NOTES:
 1. THE EXISTING LOOP LEAD-IN CABLES SHALL REMAIN INTACT AND OPERATIONAL FOR THE PROPOSED DESIGN.

IL 29 (NE JEFFERSON ST.) & SPRING ST.			
MAST ARM SCHEDULE			
REF	LOCATION	LENGTH	DESCRIPTION
MA-1	N QUAD	28 FT.	S MAA & P
MA-2	S QUAD	26 FT.	S MAA & P
MA-2	W QUAD	68 FT.	S MAA & P

IL 29 (NE JEFFERSON ST.) & SPRING ST.			
TRAFFIC SIGNAL HEAD SCHEDULE			
QTY.	UNIT	ITEM	LOCATION
7.0	EACH	SH P LED 1F 3S MAM	1,2,3,4,5,6,7
7.0	EACH	TS BACKPLATE RET-REFL	1,2,3,4,5,6,7
4.0	EACH	PED SH LED 2F BM	A/H, B/C, D/E, F/G

SHEET REVISED 3-26-21 TJH

NOT TO SCALE

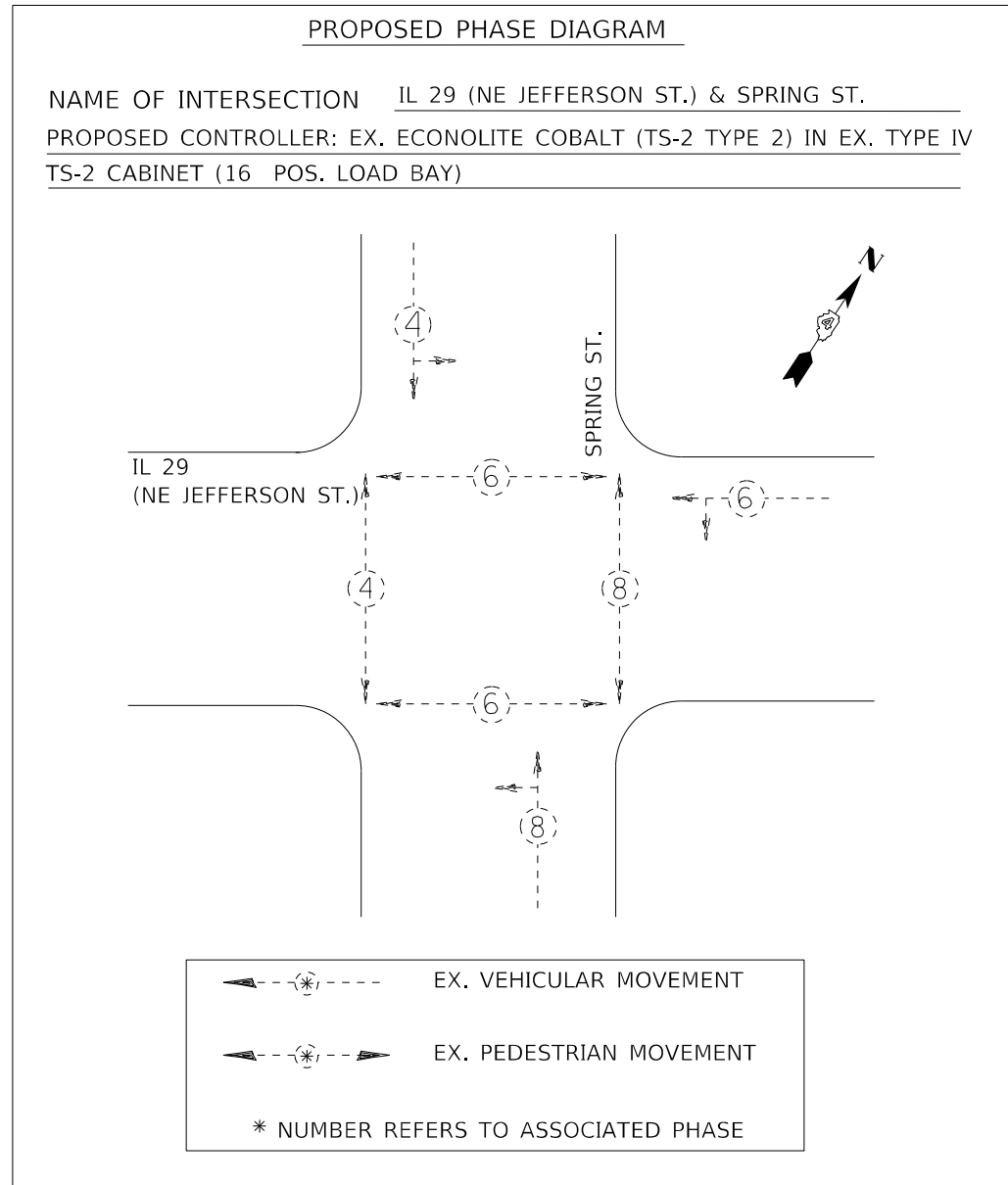
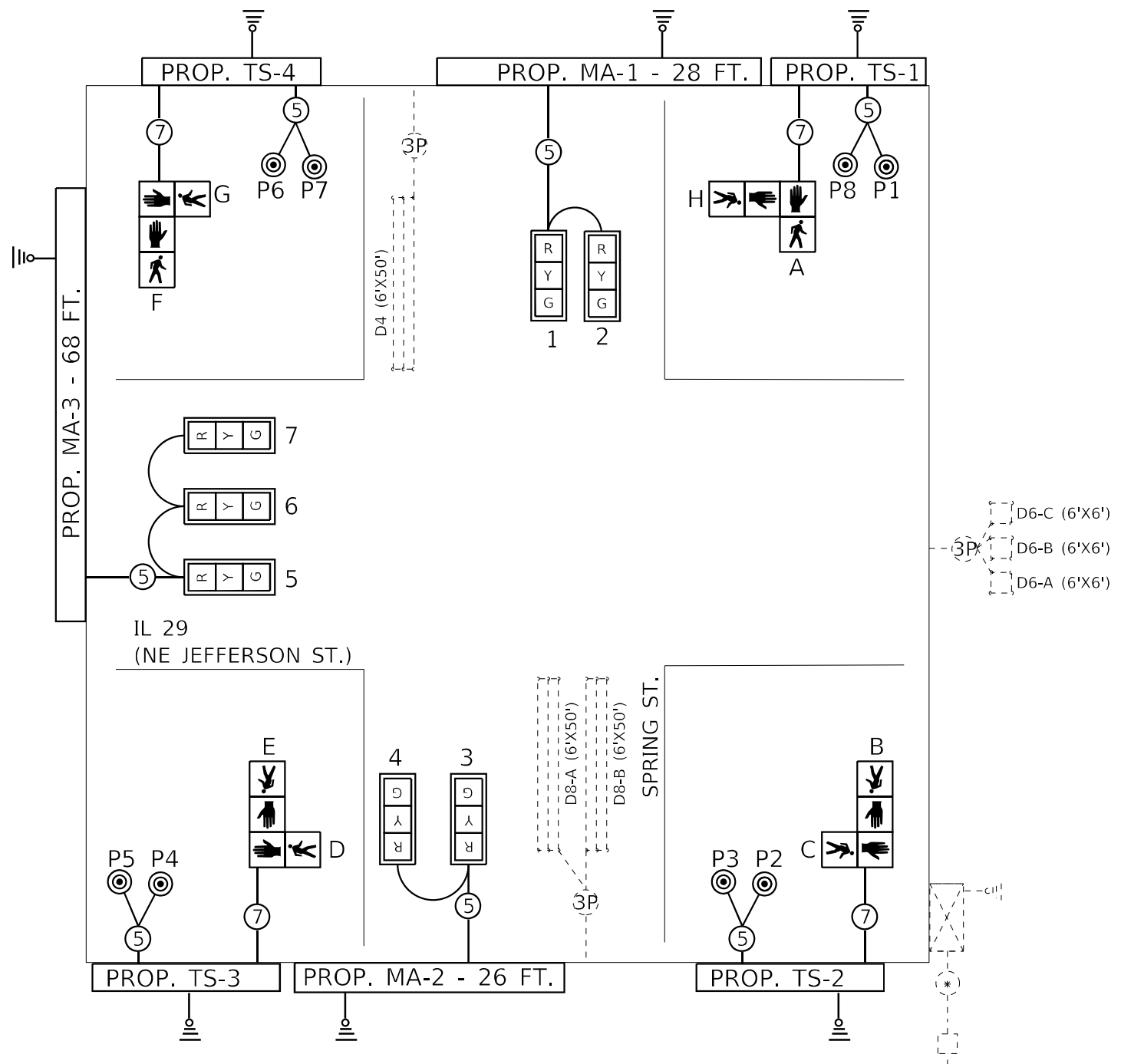
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PLOT DATE = 3/29/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL PLANS
 IL 29 (NE JEFFERSON ST.) & SPRING ST. - PEORIA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	DD41M5E ARM REPLACEMENT 2021	PEORIA	40	36
			CONTRACT NO. 68G54	
SCALE:		SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT



TRAFFIC SIGNALS LEGEND

- | | | |
|--|--|--|
| <ul style="list-style-type: none"> EX. TRAFFIC SIGNAL CONTROLLER CABINET EX. ELECTRIC SERVICE EX. QUADRAPOLE DETECTOR LOOP EX. DETECTOR LOOP | <ul style="list-style-type: none"> PROP. 3 SEC. SIGNAL HEAD W/BACKPLATE PROP. PEDESTRIAN SIGNAL HEAD PROP. PEDESTRIAN PUSHBUTTON PROP. GROUND/SAFETY BOND EX. GROUND/SAFETY BOND | <ul style="list-style-type: none"> EX. NO. 18 3-PR DETECTOR LOOP CABLE PROP. 5/C NO. 14 SIGNAL CABLE PROP. 7/C NO. 14 SIGNAL CABLE EX. 1/C NO. 6 CABLE |
|--|--|--|

NOT TO SCALE

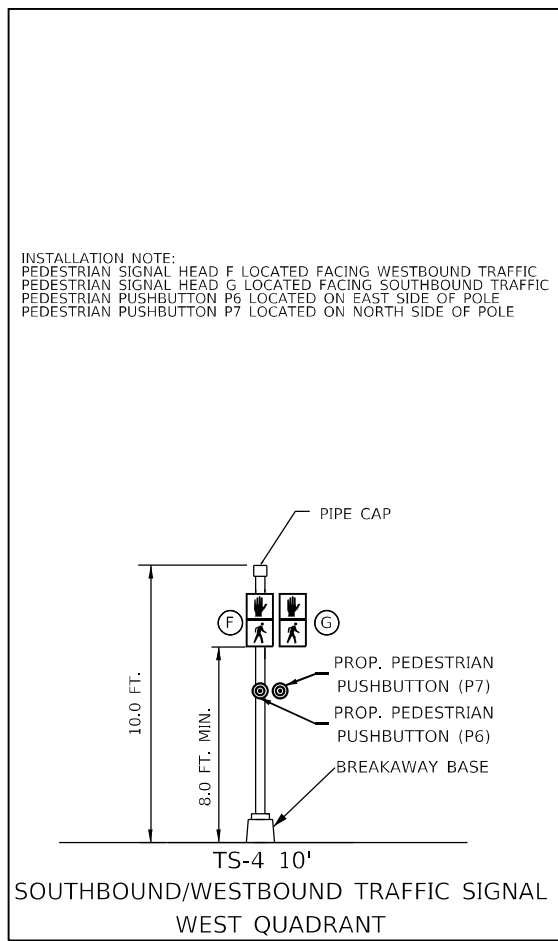
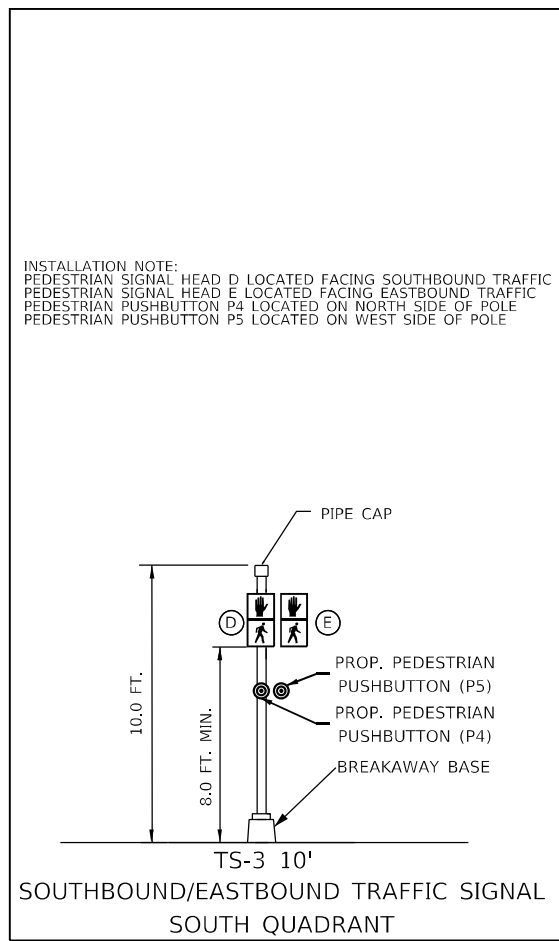
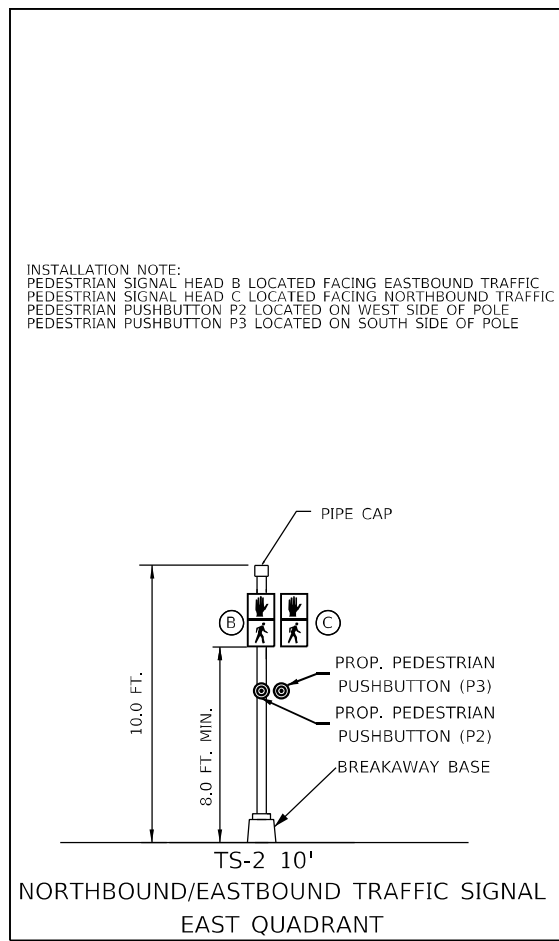
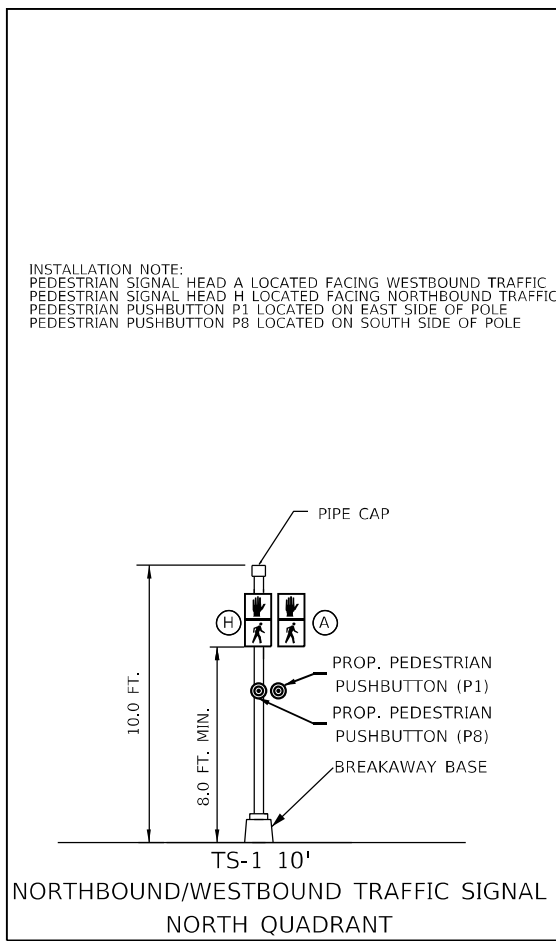
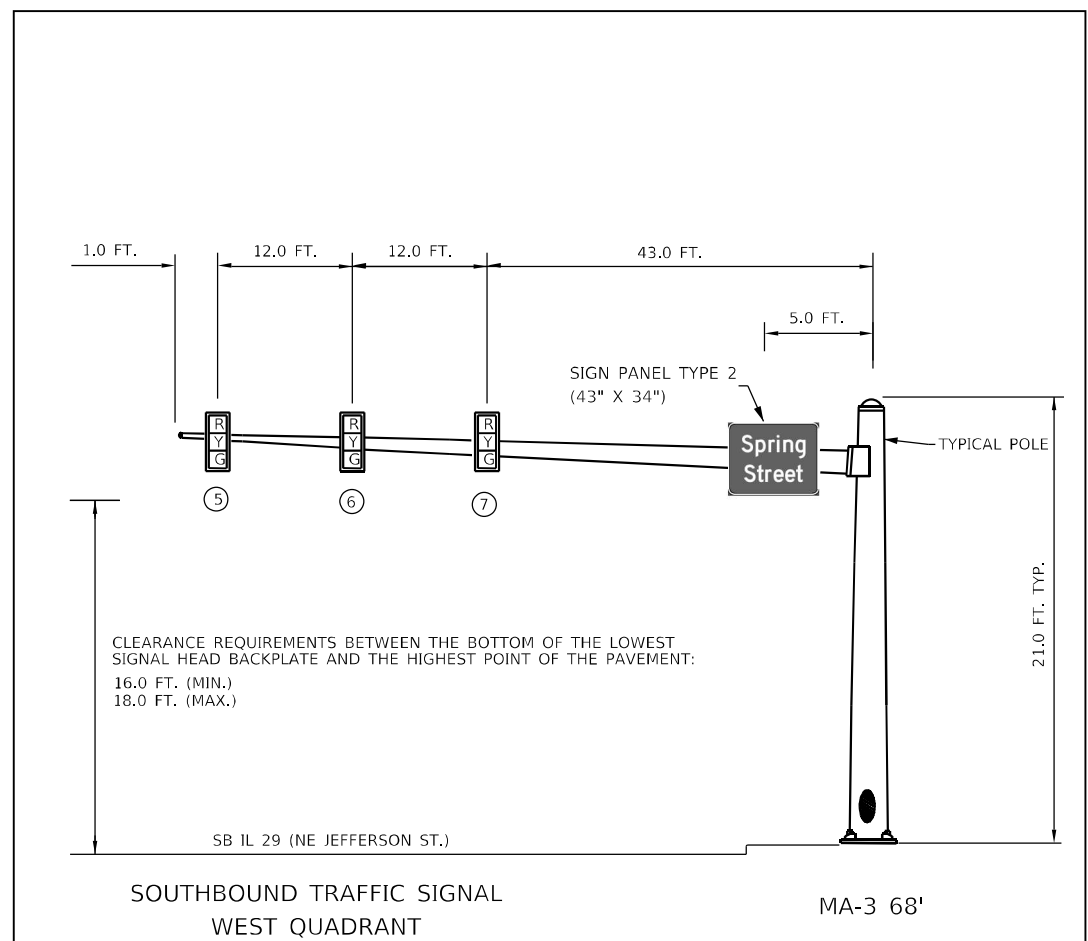
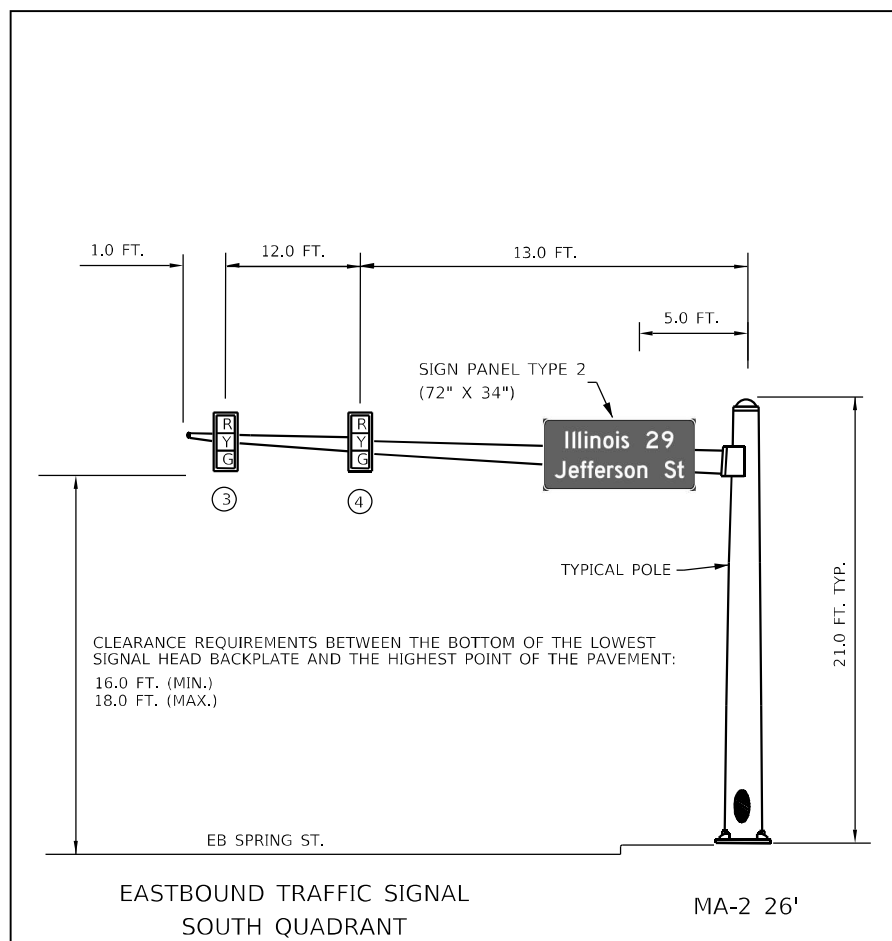
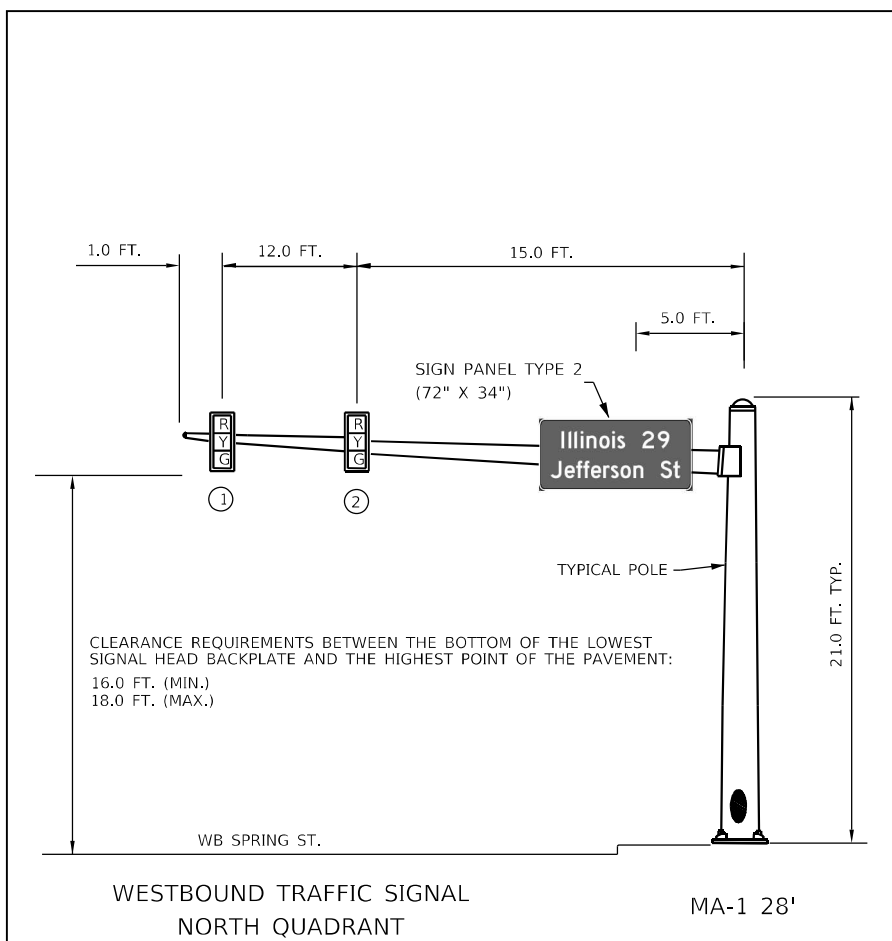
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DRAWN -	REVISIED -		
PLOT SCALE = 23,8272 */ in.	CHECKED -	REVISED -	
PLOT DATE = 3/19/2021	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED CABLE & PHASE DIAGRAMS			
IL 29 (NE JEFFERSON ST.) & SPRING ST. - PEORIA			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	37
CONTRACT NO. 68G54				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. THE CONTRACTOR SHALL RELOCATE ALL OTHER EXISTING SIGNS FROM THE REMOVED 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 COST OF THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL POSTS.
 2. ALL PROPOSED SIGNS SHALL INCLUDE THE BLOCK NUMBERING AT THE BOTTOM OF THE SIGN.

NOT TO SCALE

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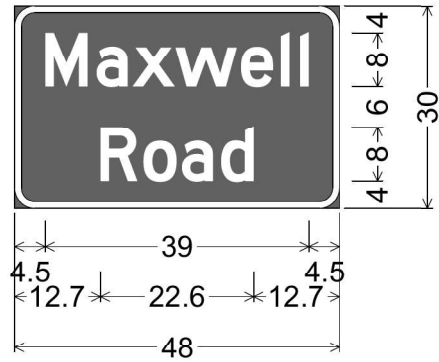
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PLOT SCALE = 23,8272 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/19/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED MAST ARM AND TRAFFIC SIGNAL POST DETAILS
IL 29 (NE JEFFERSON ST.) & SPRING ST. - PEORIA**

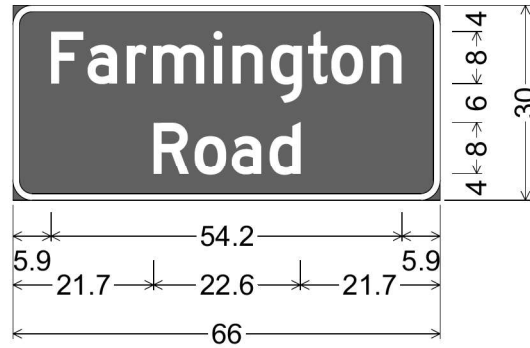
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2021	PEORIA	40	38
CONTRACT NO. 68G54				
ILLINOIS FED. AID PROJECT				



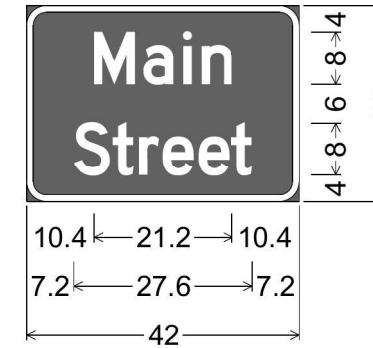
3.0" Radius, 1.0" Border, White on Green;
 "Maxwell", D 2K;
 "Road", D 2K;
 Table of distances between letter and object lefts

4.5	M	a	x	w	e	l	l	l	4.5
12.7	R	o	a	d	12.7				



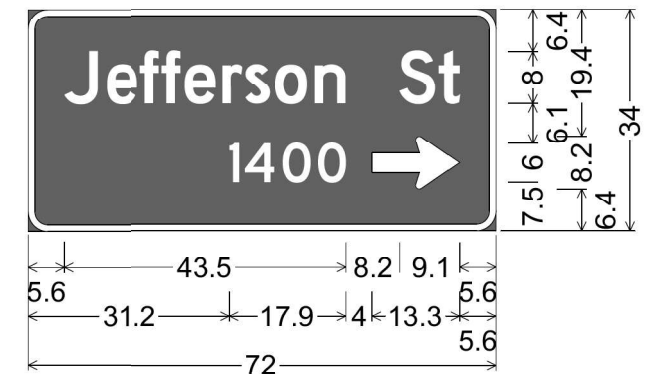
3.0" Radius, 1.0" Border, White on Green;
 "Farmington", D 2K;
 "Road", D 2K;
 Table of distances between letter and object lefts

5.9	F	a	r	m	i	n	g	t	o	n	5.9
21.7	R	o	a	d	21.7						



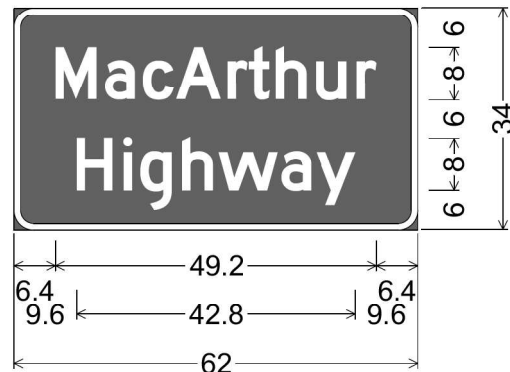
3.0" Radius, 1.0" Border, White on Green;
 "Main", D 2K;
 "Street", D 2K;
 Table of distances between letter and object lefts

10.4	M	a	i	n	10.4		
7.2	S	t	r	e	e	t	7.2



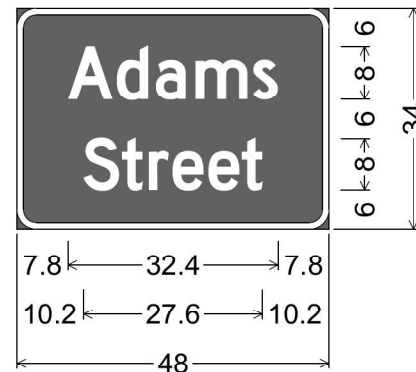
3.0" Radius, 1.0" Border, White on Green;
 "Jefferson", D 2K; "St", D 2K;
 "1400", D 2K;
 Standard Arrow Custom 13.4" X 8.1" 0°;
 Table of distances between letter and object lefts

5.6	J	e	f	f	e	r	s	o	n
12.9	S	t	5.6						
31.2	1	4	0	0	→	5.6			



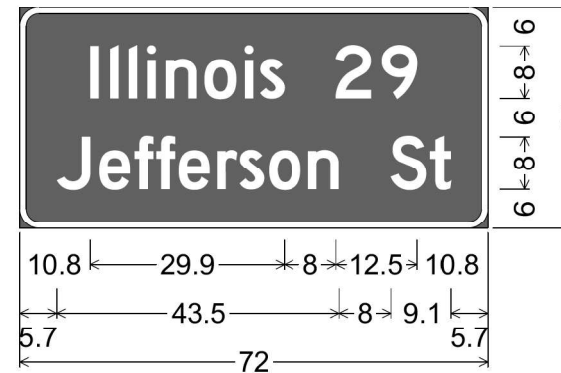
3.0" Radius, 1.0" Border, White on Green;
 "MacArthur", D 2K;
 "Highway", D 2K;
 Table of distances between letter and object lefts

6.4	M	a	c	A	r	t	h	u	r	6.4
9.6	H	i	g	h	w	a	y	9.6		



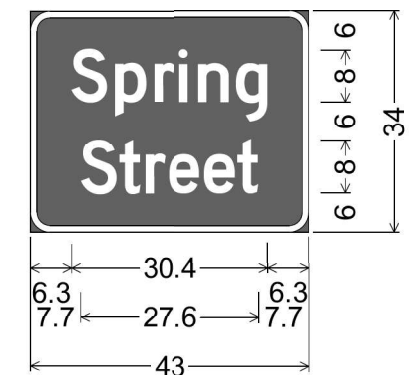
3.0" Radius, 1.0" Border, White on Green;
 "Adams", D 2K;
 "Street", D 2K;
 Table of distances between letter and object lefts

7.8	A	d	a	m	s	7.8	
10.2	S	t	r	e	e	t	10.2



3.0" Radius, 1.0" Border, White on Green;
 "Illinois 29", D 2K;
 "Jefferson St", D 2K;
 Table of distances between letter and object lefts

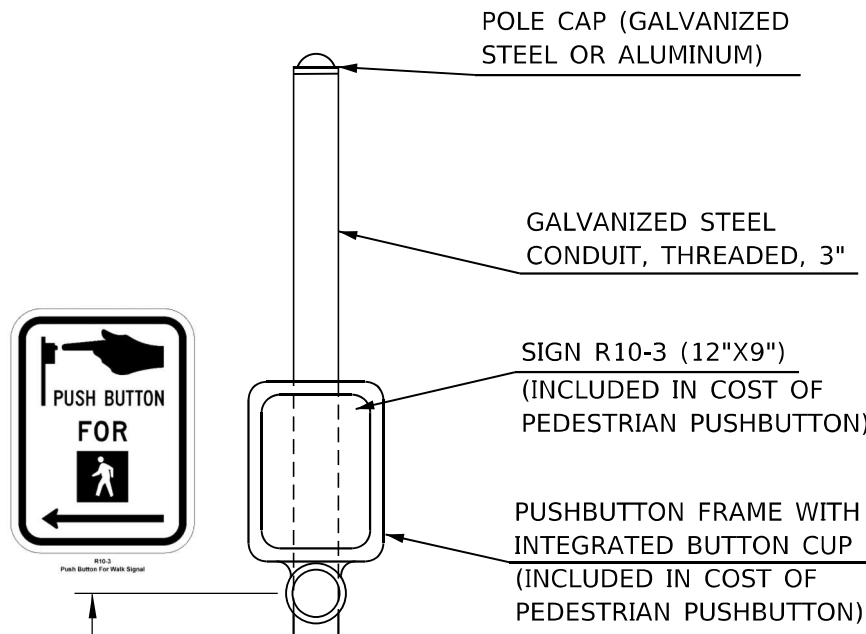
10.8	I	l	l	i	n	o	i	s	
11.7	2	9	10.8						
5.7	J	e	f	f	e	r	s	o	n
12.7	S	t	5.7						



3.0" Radius, 1.0" Border, White on Green;
 "Spring", D 2K;
 "Street", D 2K;
 Table of distances between letter and object lefts

6.3	S	p	r	i	n	g	6.3
7.7	S	t	r	e	e	t	7.7

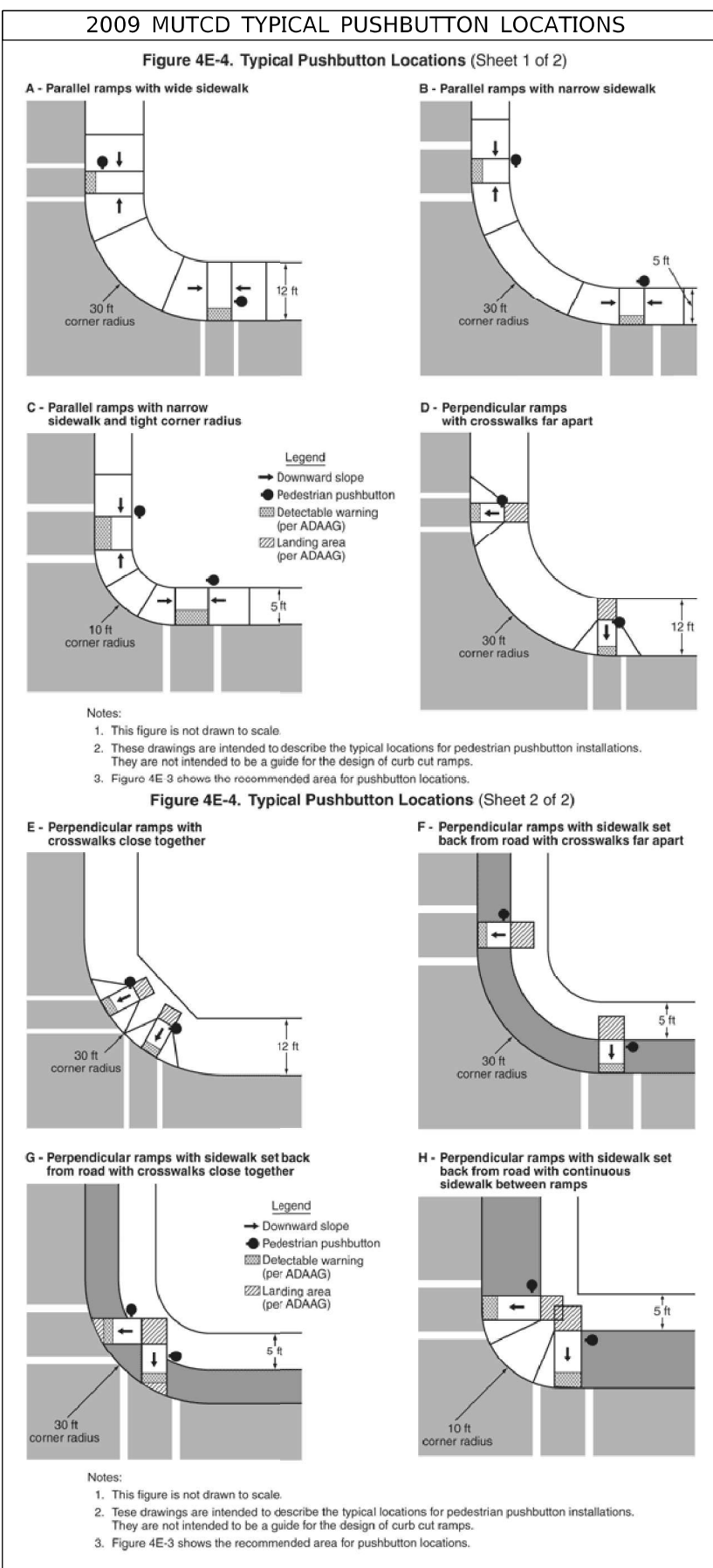
NOTES:
 1. THE CONTRACTOR SHALL RELOCATE ALL OTHER EXISTING SIGNS FROM THE REMOVED MAST ARMS AND TRAFFIC SIGNAL POSTS TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL POSTS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL POSTS.
 2. ALL PROPOSED SIGNS SHALL INCLUDE THE BLOCK NUMBERING AT THE BOTTOM OF THE SIGN.



NOTES:

1. PEDESTRIAN PUSHBUTTONS SHALL BE LOCATED IN ACCORDANCE WITH THE 2009 MUTCD.
2. FOR ALL INSTALLATIONS, THE REACH RANGE (DISTANCE BETWEEN THE FACE OF PEDESTRIAN PUSHBUTTON AND THE CLEAR SPACE) SHALL NOT EXCEED 10 INCHES.
3. PEDESTRIAN PUSHBUTTON SIGN (R10-3) SHALL BE CONSTRUCTED USING DIAMOND GRADE (TYPE XI) REFLECTIVE SHEETING.
4. THE PEDESTRIAN PUSHBUTTON POSTS DETAILED ON THIS SHEET SHALL BE PAID FOR AS "PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE 1."

PEDESTRIAN PUSHBUTTON POST



NOT TO SCALE

MODEL: Default
FILE NAME: C:\Common\GEN\Transp... - buraua\68G54 - Final Plans\68G54 - Final Plans\68G54 - Final Plans\68G54.dwg
DATE: 3/19/2021

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PEDESTRIAN PUSHBUTTON POST DETAIL	
SCALE:	SHEET OF SHEETS STA. TO STA.

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