

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

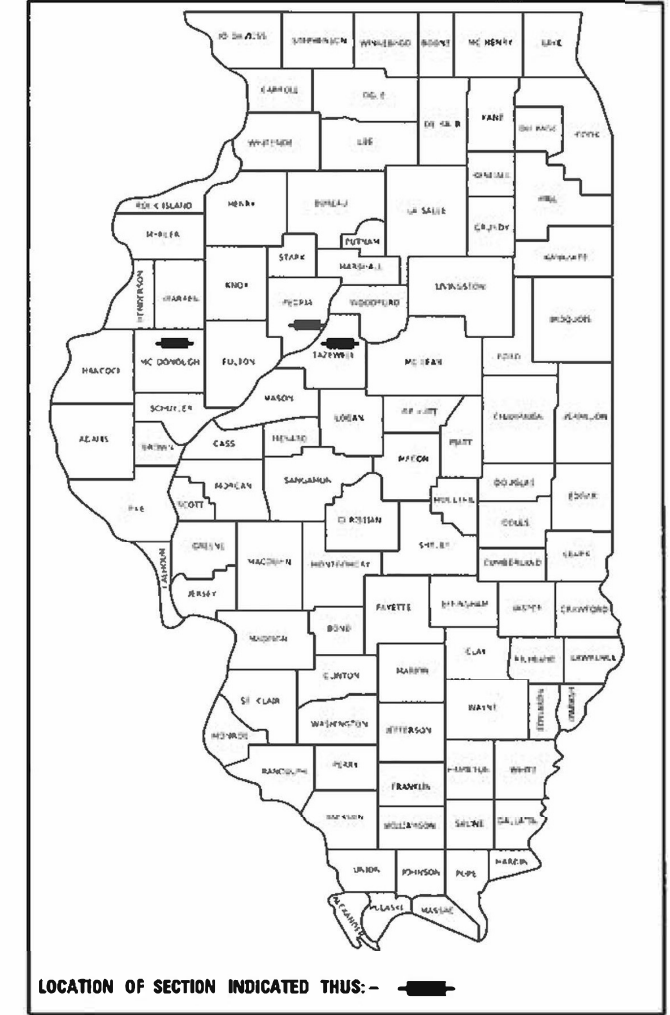
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2022		41	1
		ILLINOIS	CONTRACT NO. 68G74	
PEORIA, TAZEWELL, & MCDONOUGH				

D-94-001-22

INDEX OF SHEETS:
SEE SHEET 2 FOR INDEX OF SHEETS

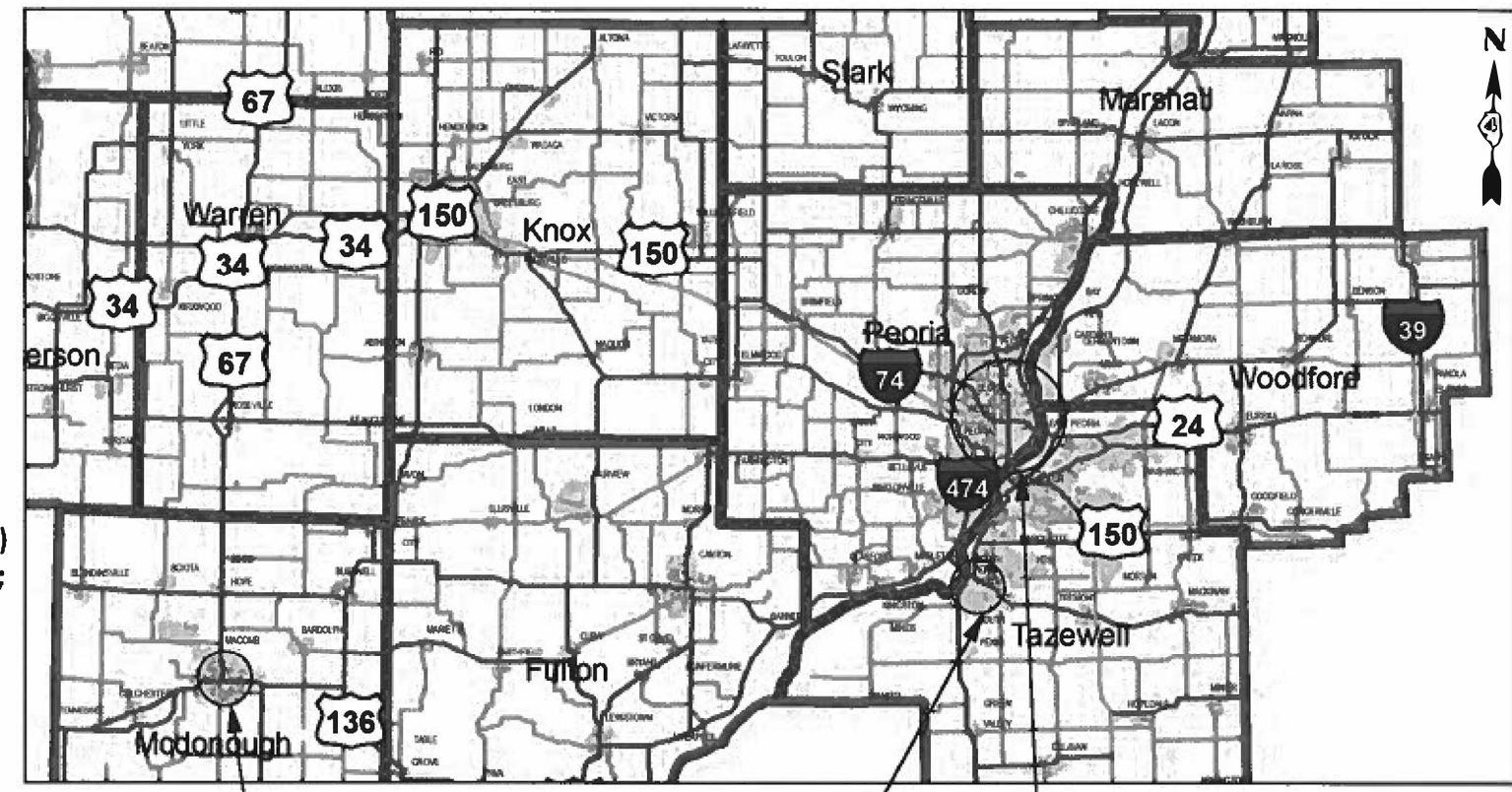
**PROPOSED
HIGHWAY PLANS**

VARIOUS ROUTES
D4 MAST ARM REPLACEMENT 2022
VARIOUS COUNTIES
PROJECT NO. STP-D2CE(013)
C-94-001-22



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

PROJECT DESCRIPTION:
TRAFFIC SIGNAL MAST ARM REPLACEMENTS
AT VARIOUS LOCATIONS: MACOMB: US 136
(JACKSON) & CAMPBELL; PEKIN: IL 29 (SECOND)
& DERBY; PEORIA: IL 40 & PIONEER PARKWAY;
IL 116 (LINCOLN) & JEFFERSON; IL 8
(SOUTHPORT) & FARMINGTON RD.



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

US 136 (JACKSON)
& CAMPBELL

IL 29 (SECOND)
& DERBY

IL 40 & PIONEER PARKWAY;
IL 40 & DETWEILLER;
IL 116 (LINCOLN) & JEFFERSON;
IL 8 (SOUTHPORT) & FARMINGTON RD.

PROJECT ENGINEER : TREVOR HANSON (309) 671-4474
PROJECT MANAGER : ERIC HOWALD (309) 671-4481
CATALOG NO. 036267-00D
CONTRACT NO. 68G74

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Feb 04 2022
Kensel A. Barnett RSO
REGIONAL ENGINEER

March 25 2022
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

March 2 2022
[Signature]
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
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
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'
877011-10	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

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* PEORIA, TAZEWELL & McDONOUGH

USER NAME = hansonj PLOT SCALE = 23,8272 * / in. PLOT DATE = 2/4/2022	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS, INDEX OF SHEETS, & HIGHWAY STANDARDS	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
			SCALE: SHEET OF SHEETS STA. TO STA.	CONTRACT NO. 68G74	ILLINOIS FED. AID PROJECT

STATUS OF UTILITIES						
COMPANY	CONTACT	TYPE OF UTILITY	TYPE OF CONFLICT	LOCATION	MIN DEPTH	DISPOSITION
US SIGNAL COMPANY	RYAN MIEDEMA 201 IONIA AVE. SW GRAND RAPIDS, MI 49503	FIBER OPTIC	TRAFFIC SIGNAL POST	IL 29 & DERBY - PROPOSED TS-2	36"	CAUTION
CITY OF PEKIN	JOSIE ESKER 111 S. CAPITOL ST. PEKIN, IL 61554	STORM SEWER	UNDERGROUND CONDUIT	IL 29 & DERBY	24"	CAUTION
ILLINOIS AMERICAN WATER	CHARLES BARTON 7500 N. HARKER DR. PEORIA, IL 61615	WATER	MAST ARM, UNDERGROUND CONDUIT	IL 29 & DERBY - PROPOSED MA-2	14'	CAUTION
AT&T	WILLIAM CONOVER 8515 N INDUSTRIAL RD. PEORIA, IL 61615	COMMUNICATIONS (AERIAL)	MAST ARM	IL 8 (SOUTHPORT) & IL 8 (FARMINGTON) - PROPOSED MA 1, MA 2		CAUTION
AMEREN	ELIZABETH COOKE 7064 W ROUTE 150 EDWARDS, IL 61528	GAS	UNDERGROUND CONDUIT, MAST ARM	IL 8 (SOUTHPORT) & IL 8 (FARMINGTON) - PROPOSED MA-2	13.5'	CAUTION
AMEREN	JON REICK 8420 N UNIVERSITY ST. PEORIA, IL 61615	ELECTRIC (AERIAL)	MAST ARM	IL 8 (SOUTHPORT) & IL 8 (FARMINGTON) - PROPOSED MA-2		CAUTION
COMCAST	MARK WABEL 3517 DRIES LN. PEORIA, IL 61604	COMMUNICATIONS (AERIAL ON AMEREN ELECTRIC)	MAST ARM	IL 8 (SOUTHPORT) & IL 8 (FARMINGTON) - PROPOSED MA-2		CAUTION
13 BROADBAND	602 HIGH POINT LN. EAST PEORIA, IL 61611	FIBER OPTIC	UNDERGROUND CONDUIT, TRAFFIC SIGNAL POST	IL 8 (SOUTHPORT) & IL 8 (FARMINGTON) - PROPOSED MA-1	36"	CAUTION
GREATER PEORIA SANITARY DISTRICT	JOHN BOYLE 2322 S DARST ST. PEORIA, IL 61607	STORM SEWER & SANITARY SEWER	UNDERGROUND CONDUIT	IL 8 (SOUTHPORT) & IL 8 (FARMINGTON)	24"	CAUTION
BLUEBIRD NETWORK	PATRICK HIGGINS 10024 OFFICE CENTER AVE. SUITE 201 ST. LOUIS, MO 63128	FIBER OPTIC	UNDERGROUND CONDUIT, MAST ARM	IL 8 (SOUTHPORT) & IL 8 (FARMINGTON) - PROPOSED MA-1, MA-2	13.5'	CAUTION
AMEREN	JON REICK 8420 N UNIVERSITY ST. PEORIA, IL 61615	ELECTRIC (AERIAL)	MAST ARM	IL 8/IL 116 (LINCOLN) & JEFFERSON - PROPOSED MA-2		CAUTION
COMCAST	MARK WABEL 3517 DRIES LN. PEORIA, IL 61604	COMMUNICATIONS (AERIAL ON AMEREN ELECTRIC)	MAST ARM	IL 8/IL 116 (LINCOLN) & JEFFERSON - PROPOSED MA-2		CAUTION
13 BROADBAND	602 HIGH POINT LN. EAST PEORIA, IL 61611	FIBER OPTIC	UNDERGROUND CONDUIT, TRAFFIC SIGNAL POST, SIDEWALK REMOVAL, PCC SIDEWALK 4 INCH	IL 8/IL 116 (LINCOLN) & JEFFERSON - PROPOSED TS-1	36"	CAUTION
GREATER PEORIA SANITARY DISTRICT	JOHN BOYLE 2322 S DARST ST. PEORIA, IL 61607	STORM SEWER & SANITARY SEWER	UNDERGROUND CONDUIT	IL 8/IL 116 (LINCOLN) & JEFFERSON - NW QUAD	24"	CAUTION
ILLINOIS AMERICAN WATER	CHARLES BARTON 7500 N. HARKER DR. PEORIA, IL 61615	WATER	TRAFFIC SIGNAL POST, UNDERGROUND CONDUIT, SIDEWALK REMOVAL, PCC SIDEWALK 4 INCH	IL 8/IL 116 (LINCOLN) & JEFFERSON - PROPOSED TS-1	36"	CAUTION
ILLINOIS AMERICAN WATER	CHARLES BARTON 7500 N. HARKER DR. PEORIA, IL 61615	WATER	MAST ARM, UNDERGROUND CONDUIT	IL 40 (KNOXVILLE) & DETWEILLER - PROPOSED MA-3	15'	CAUTION
ILLINOIS AMERICAN WATER	CHARLES BARTON 7500 N. HARKER DR. PEORIA, IL 61615	WATER	MAST ARM, UNDERGROUND CONDUIT	IL 40 (KNOXVILLE) & PIONEER PARKWAY - PROPOSED MA-1, MA-2	13'	CAUTION

* PEORIA, TAZEWELL & MCDONOUGH

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PLOT SCALE = 23,8272 */ in.	CHECKED -	REVISED -
PLOT DATE = 2/14/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STATUS OF UTILITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2022	*	41	3
CONTRACT NO. 68G74			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 INVESTIGATE EXISTING 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. THE CONTRACTOR SHALL FURNISH AND INSTALL ONE 20A 1-POLE CIRCUIT BREAKER, BUTTON PHOTOCELL, TERMINAL BLOCK WIRING, AND ALL OTHER ITEMS REQUIRED TO PROVIDE PHOTOCELL-CONTROLLER POWER TO THE PROPOSED LUMINAIRE AT IL 8 (SOUTHPORT RD.) & IL 8 (FARMINGTON 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 MA-1.
23. THE CONTRACTOR SHALL FURNISH AND INSTALL GROUT AROUND ALL DRILLED CONDUITS LOCATED INSIDE OF HANDHOLES TO PREVENT WATER AND DIRT INTRUSION INTO THE HANDHOLE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF "DRILL EXISTING HANDHOLE."
24. THE CONTRACTOR SHALL FURNISH AND INSTALL GROUT AROUND ALL DRILLED CONDUITS LOCATED INSIDE OF FOUNDATIONS TO PREVENT WATER AND DIRT INTRUSION INTO THE FOUNDATION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF "DRILL EXISTING FOUNDATION."
24. 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 AND ISLAND REMOVAL.
26. THE EXISTING TRAFFIC SIGNAL INTERCONNECT (AERIAL) CABLES SHALL BE RELOCATED FROM THE EXISTING MAST ARM (MA-1) AT LINCOLN & JEFFERSON TO THE PROPOSED MAST ARM (MA-1.) THE CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED BRACKETS AND HARDWARE TO RELOCATE AND RECONNECT THE CABLE. THE CONTRACTOR SHALL
27. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING ANCHOR BOLT AND CONNECTION PLATE PATTERNS AT THE INTERSECTION OF US 67/US 136 (JACKSON) & US67/US 136 (CAMPBELL) BEFORE ORDERING MATERIALS. THE CONTRACTOR SHALL FURNISH AND INSTALL STRAIN POLES THAT MATCH THE EXISTING ANCHOR BOLT AND CONNECTION PLATE PATTERNS.

* PEORIA, TAZEVELL & MCDONOUGH

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PLOT SCALE = 23,8272 */ in.	CHECKED -	REVISED -
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CONSTRUCTION NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2022	*	41	4
			CONTRACT NO. 68G74	
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SUMMARY OF QUANTITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QTY.	CONST. CODE	CONST. CODE	CONST. CODE	CONST. CODE	CONST. CODE
				0021	0021	0021	0021	0021
				80% FEDERAL	80% FEDERAL	80% FEDERAL	80% FEDERAL	80% FEDERAL
				10% STATE	13.4% STATE	20% STATE	13.4% STATE	10% STATE
				10% CITY	6.6% CITY	0% CITY	6.6% CITY	10% CITY
URBAN	URBAN	URBAN	URBAN	URBAN				
				MACOMB	PEKIN	PEORIA	PEORIA	PEORIA
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	82.0	30.0				52.0
44000600	SIDEWALK REMOVAL	SQ FT	86.0	30.0				56.0
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	50.0		12.5		25.0	12.5
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3.0		1.0		1.0	1.0
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1.0		0.2		0.6	0.2
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1.0		0.2		0.6	0.2
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	3.0		1.0		1.0	1.0
67100100	MOBILIZATION	L SUM	1.0	0.1	0.2	0.2	0.2	0.3
* 72000100	SIGN PANEL - TYPE 1	SQ FT	20.0		5.0	5.0	5.0	5.0
* 72000200	SIGN PANEL - TYPE 2	SQ FT	142.1		12.2	30.0	56.3	43.6
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	31.0	21.0				10.0
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	294.0		50.0		34.0	210.0
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	647.0		25.0	220.0	282.0	120.0
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	7.0				6.0	1.0
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1395.0		192.0	374.0	677.0	152.0
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1078.0	262.0	296.5		261.0	258.5
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	5651.5	1779.0	797.5	1052.5	533.0	1489.5
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2520.5	498.0	228.5	248.5	460.5	1085.0
87301265	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 9C	FOOT	126.5	126.5				
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1244.5		113.0	277.5	448.5	405.5
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	4.0					4.0
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	3.0		1.0	2.0		
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	5.0		1.0	1.0	3.0	

* PEORIA, JAZEVELL & MCDONOUGH

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	PLOT SCALE = 23.8272' / in.	DRAWN -	REVISED -
	PLOT DATE = 2/4/2022	CHECKED -	REVISED -
		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 2022	*	41	5
		CONTRACT NO. 68G74		
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES - CONTINUED

ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QTY.	CONST. CODE	CONST. CODE	CONST. CODE	CONST. CODE	CONST. CODE
				0021	0021	0021	0021	0021
				80% FEDERAL	80% FEDERAL	80% FEDERAL	80% FEDERAL	80% FEDERAL
				10% STATE	13.4% STATE	20% STATE	13.4% STATE	10% STATE
				10% CITY	6.6% CITY	0% CITY	6.6% CITY	10% CITY
				URBAN	URBAN	URBAN	URBAN	URBAN
				MACOMB	PEKIN	PEORIA	PEORIA	PEORIA
87601100	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EACH	5.0	4.0				1.0
87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1.0					1.0
87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1.0			1.0		
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1.0					1.0
87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1.0		1.0			
87702890	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1.0			1.0		
87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1.0				1.0	
87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1.0				1.0	
87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	1.0					1.0
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	18.0		3.0		6.0	9.0
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	50.5			27.0		23.5
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	50.0		11.0		24.0	15.0
87900100	DRILL EXISTING FOUNDATION	EACH	3.0			1.0	1.0	1.0
87900200	DRILL EXISTING HANDHOLE	EACH	14.0	4.0	2.0	7.0	1.0	
88040010	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, MAST-ARM MOUNTED	EACH	2.0				2.0	
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	10.0		4.0	5.0	1.0	
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12.0		1.0	2.0	3.0	6.0
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	5.0			1.0	3.0	1.0
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	3.0		1.0	1.0		1.0
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	6.0		2.0			4.0
88102845	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	5.0					5.0
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	39.0	5.0	7.0	9.0	9.0	9.0
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8.0		2.0			6.0

* PEORIA, TAZEVELL & MCDONOUGH

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	DRAWN -	REVISED -
PLOT SCALE = 23.8272 */ in.	CHECKED -	REVISED -
PLOT DATE = 2/4/2022	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 2022	*	41	6
CONTRACT NO. 68G74			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES - CONTINUED

ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QTY.	CONST. CODE	CONST. CODE	CONST. CODE	CONST. CODE	CONST. CODE
				0021	0021	0021	0021	0021
				80% FEDERAL	80% FEDERAL	80% FEDERAL	80% FEDERAL	80% FEDERAL
				10% STATE	13.4% STATE	20% STATE	13.4% STATE	10% STATE
				10% CITY	6.6% CITY	0% CITY	6.6% CITY	10% CITY
	URBAN	URBAN	URBAN	URBAN	URBAN			
		MACOMB	PEKIN	PEORIA	PEORIA	PEORIA		
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	1.0		1.0			
89501420	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE	EACH	2.0				1.0	1.0
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	2.0			1.0		1.0
89502220	MODIFY EXISTING CONCRETE FOUNDATION	EACH	2.0				1.0	1.0
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	6.0	1.0	1.0	1.0	1.0	2.0
89502376	REBUILD EXISTING HANDHOLE	EACH	1.0					1.0
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	11.0		2.0	2.0	4.0	3.0
X0322708	REMOVE EXISTING STREET LIGHTING EQUIPMENT	EACH	1.0				1.0	
X0326812	CAT 5 ETHERNET CABLE	FOOT	86.5				86.5	
X0326908	REPLACE STEEL STRAIN POLE	EACH	2.0	2.0				
X1400227	ROADWAY LUMINAIRE, SPECIAL (INSTALL ONLY)	EACH	2.0			1.0	1.0	
X1400368	RELOCATE EXISTING PTZ CAMERA	EACH	1.0				1.0	
X4402815	ISLAND PAVEMENT REMOVAL AND REPLACEMENT	SQ FT	260.0	10.0			250.0	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0	0.1	0.2	0.2	0.2	0.3
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	17.0	9.0				8.0
X8950212	MODIFY EXISTING CONTROLLER CABINET, SPECIAL	EACH	2.0		1.0			1.0

MODEL: Default
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* PEORIA, TAZEWELL & MCDONOUGH

USER NAME = hansonj	DESIGNED -	REVISED -
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PLOT SCALE = 23.8272 */ in.	CHECKED -	REVISED -
PLOT DATE = 2/4/2022	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 2022	*	41	7
CONTRACT NO. 68G74			ILLINOIS FED. AID PROJECT	

SCHEDULE OF QUANTITIES			MCDONOUGH COUNTY	PEORIA COUNTY				TAZEWELL COUNTY
			MACOMB	PEORIA				PEKIN
			US 67/US 136 (JACKSON) & US 67/US 136 (CAMPBELL)	IL 8/IL 116 (LINCOLN) & JEFFERSON	IL 40 (KNOXVILLE) & DETWEILLER	IL 40 (KNOXVILLE) & PIONEER PARKWAY	IL 8 (FARMINGTON) & IL 8 (SOUTHPORT)	IL 29 (SECOND) & DERBY
ITEM DESCRIPTION	UNIT	TOTAL QTY.	QTY.	QTY.	QTY.	QTY.	QTY.	
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	82.0	30.0	52.0				
SIDEWALK REMOVAL	SQ FT	86.0	30.0	56.0				
NON-SPECIAL WASTE DISPOSAL	CU YD	50.0			12.5	25.0	12.5	
SOIL DISPOSAL ANALYSIS	EACH	3.0			1.0	1.0	1.0	
REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1.0			0.2	0.6	0.2	
REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1.0			0.2	0.6	0.2	
REGULATED SUBSTANCES MONITORING	CAL DA	3.0			1.0	1.0	1.0	
MOBILIZATION	L SUM	1.0	0.1	0.2	0.1	0.2	0.2	
SIGN PANEL - TYPE 1	SQ FT	20.0			5.0	5.0	5.0	
SIGN PANEL - TYPE 2	SQ FT	142.1		28.3	15.3	56.3	30.0	
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	31.0	21.0	10.0				
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	294.0		188.0	22.0	34.0	50.0	
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	647.0		120.0		282.0	220.0	
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	7.0		1.0		6.0		
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1395.0			152.0	677.0	374.0	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1078.0	262.0	55.0	203.5	261.0	296.5	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	5651.5	1779.0	828.5	661.0	533.0	1052.5	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2520.5	498.0	473.5	611.5	460.5	248.5	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 9C	FOOT	126.5	126.5					
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1244.5		374.5	31.0	448.5	277.5	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	4.0		3.0	1.0			
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	3.0				2.0	1.0	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	5.0				3.0	1.0	

MODEL: Default
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* PEORIA, TAZEWELL & MCDONOUGH

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PLOT SCALE = 23.8272' / in.	DRAWN -	REVISED -
PLOT DATE = 2/4/2022	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	*	41	8
		CONTRACT NO. 68G74		
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES - CONTINUED

ITEM DESCRIPTION	UNIT	TOTAL QTY.	MCDONOUGH COUNTY	PEORIA COUNTY				TAZEWELL COUNTY
			MACOMB	PEORIA				PEKIN
			US 67/US 136 (JACKSON) & US 67/US 136 (CAMPBELL)	IL 8/IL 116 (LINCOLN) & JEFFERSON	IL 40 (KNOXVILLE) & DETWEILLER	IL 40 (KNOXVILLE) & PIONEER PARKWAY	IL 8 (FARMINGTON) & IL 8 (SOUTHPORT)	IL 29 (SECOND) & DERBY
			QTY.	QTY.	QTY.	QTY.	QTY.	QTY.
PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EACH	5.0	4.0	1.0				
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1.0		1.0				
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1.0				1.0		
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1.0		1.0				
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1.0					1.0	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1.0					1.0	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1.0				1.0		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1.0				1.0		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	1.0			1.0			
CONCRETE FOUNDATION, TYPE A	FOOT	18.0		9.0		6.0		3.0
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	50.5		23.5			27.0	
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	50.0			15.0	24.0		11.0
DRILL EXISTING FOUNDATION	EACH	3.0		1.0		1.0	1.0	
DRILL EXISTING HANDHOLE	EACH	14.0	4.0			1.0	7.0	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, MAST-ARM MOUNTED	EACH	2.0				2.0		
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	10.0				1.0	5.0	4.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12.0		4.0	2.0	3.0	2.0	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	5.0			1.0	3.0	1.0	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	3.0			1.0		1.0	1.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	6.0		2.0	2.0			2.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	5.0		3.0	2.0			
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	39.0	5.0	4.0	5.0	9.0	9.0	7.0
PEDESTRIAN PUSH-BUTTON	EACH	8.0				6.0		2.0

* PEORIA, TAZEWELL & MCDONOUGH

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USER NAME = hansontj	DESIGNED -	REVISED -
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PLOT DATE = 2/4/2022	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 2022	*	41	9
CONTRACT NO. 68G74			ILLINOIS FED. AID PROJECT	

SCHEDULE OF QUANTITIES - CONTINUED			MCDONOUGH COUNTY	PEORIA COUNTY					TAZEWELL COUNTY
			MACOMB	PEORIA					PEKIN
			US 67/US 136 (JACKSON) & US 67/US 136 (CAMPBELL)	IL 8/IL 116 (LINCOLN) & JEFFERSON	IL 40 (KNOXVILLE) & DETWEILLER	IL 40 (KNOXVILLE) & PIONEER PARKWAY	IL 8 (FARMINGTON) & IL 8 (SOUTHPORT)	IL 29 (SECOND) & DERBY	
ITEM DESCRIPTION	UNIT	TOTAL QTY.	QTY.	QTY.	QTY.	QTY.	QTY.	QTY.	
RELOCATE EXISTING SIGNAL HEAD	EACH	1.0						1.0	
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE	EACH	2.0			1.0	1.0			
MODIFY EXISTING CONTROLLER CABINET	EACH	2.0			1.0		1.0		
MODIFY EXISTING CONCRETE FOUNDATION	EACH	2.0			1.0	1.0			
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	6.0	1.0	1.0	1.0	1.0	1.0	1.0	
REBUILD EXISTING HANDHOLE	EACH	1.0		1.0					
REMOVE EXISTING CONCRETE FOUNDATION	EACH	11.0		3.0		4.0	2.0	2.0	
REMOVE EXISTING STREET LIGHTING EQUIPMENT	EACH	1.0				1.0			
CAT 5 ETHERNET CABLE	FOOT	86.5				86.5			
REPLACE STEEL STRAIN POLE	EACH	2.0	2.0						
ROADWAY LUMINAIRE, SPECIAL (INSTALL ONLY)	EACH	2.0				1.0	1.0		
RELOCATE EXISTING PTZ CAMERA	EACH	1.0				1.0			
ISLAND PAVEMENT REMOVAL AND REPLACEMENT	SQ FT	260.0	10.0			250.0			
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0	0.1	0.2	0.1	0.2	0.2	0.2	
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	17.0	9.0	8.0					
MODIFY EXISTING CONTROLLER CABINET, SPECIAL	EACH	2.0			1.0			1.0	

MODEL: Default
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* PEORIA, TAZEWELL & MCDONOUGH

USER NAME = hansontj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 23,8272 * / in.	CHECKED -	REVISED -
PLOT DATE = 2/4/2022	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 2022	*	41	10
			CONTRACT NO. 68G74	
		ILLINOIS FED. AID PROJECT		



BILL OF MATERIALS		
US 136 (JACKSON) & CAMPBELL (REMOVAL)		
ITEM DESCRIPTION	UNIT	QTY.
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - QTY. 1.0 EACH (INCLUDES ALL ITEMS LISTED BELOW)	
THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY:	
QTY.	ITEM DESCRIPTION
2.0	STEEL STRAIN POLE (MA-1, MA-2)
9.0	PEDESTRIAN PUSHBUTTON
ALL	ELECTRICAL CABLE NOT USED IN PROPOSED PLANS

- NOTES:
1. THE CONTRACTOR SHALL RELOCATE THE EXISTING MAST ARMS MA-1 AND MA-2 FROM THE EXISTING STRAIN POLES TO THE PROPOSED STRAIN POLES (INSTALLED ON THE EXISTING CONCRETE FOUNDATIONS.) THE CONTRACTOR SHALL REMOVE AND RE-INSTALL ALL EXISTING SIGNS AND MAST ARM MONTED SIGNAL HEADS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE PROPOSED STRAIN POLES.
 2. THE CONTRACTOR SHALL INSTALL AND TERMINATE NEW TRAFFIC SIGNAL CABLING FOR THE RELOCATED SIGNAL HEADS ON MA-1 AND MA-2. THIS WORK WILL BE PAID FOR WITH THE BID PRICE FOR THE PROPOSED TRAFFIC SIGNAL CABLING.
 3. THE CONTRACTOR SHALL RELOCATE THE EX. LUMINAIRE FROM THE EX. MA-2 STRAIN POLE TO THE TO THE PROP. MA-2. STRAIN POLE. THE CONTRACTOR SHALL RE-USE THE EXISTING POLE WIRING, SURGE ARRESTOR, FUSE HOLDERS, AND FUSES. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE PROPOSED STRAIN POLE.

LEGEND	
	EX. TS CONTROLLER CABINET
	EX. DOUBLE HANDHOLE
	EX. HANDHOLE
	EX. SIGNAL HEAD (WITH BACKPLATE)
	EX. SIGNAL HEAD (WITHOUT BACKPLATE)
	EX. PEDESTRIAN SIGNAL HEAD
	EX. PEDESTRIAN PUSHBUTTON
	EX. MAST ARM ASSEMBLY AND POLE
	EX. COMBINATION MAST ARM ASSEMBLY AND POLE
	EX. TRAFFIC SIGNAL POST
	EX. LUMINAIRE
	EX. QUADRAPOLE DETECTOR
	EX. CONDUIT

NOT TO SCALE

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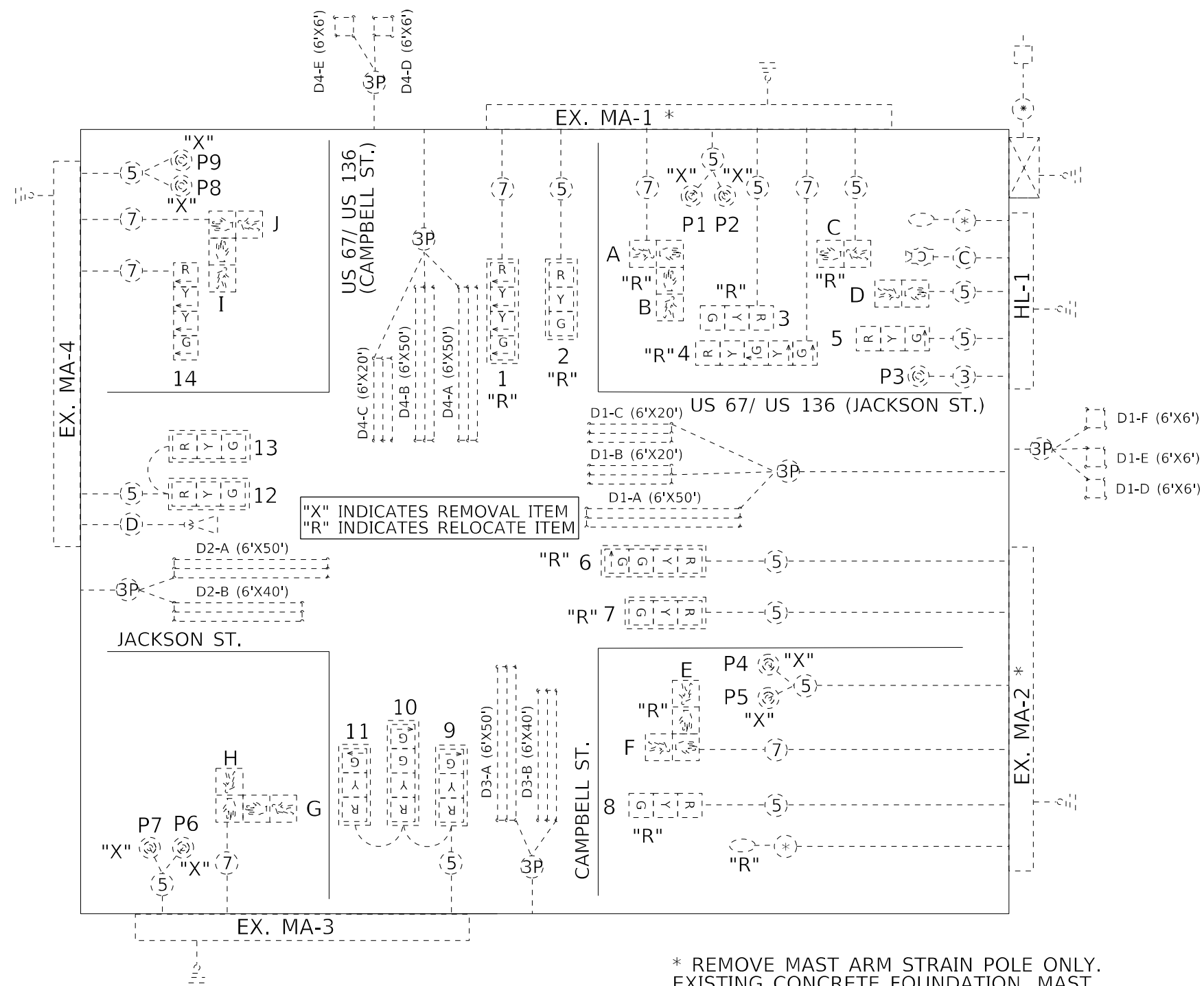
USER NAME = hansonj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 23,8272 * / in.	CHECKED -	REVISED -
PLOT DATE = 2/4/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL PLANS & REMOVAL ITEMS
US 67/US 136 (E. JACKSON) & US 67/US 136 (S. CAMPBELL) - MACOMB

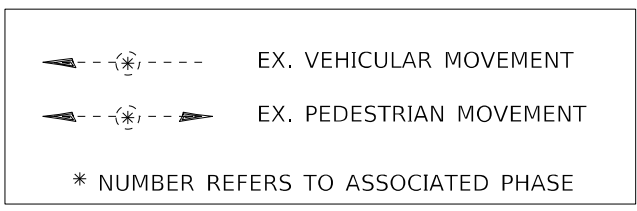
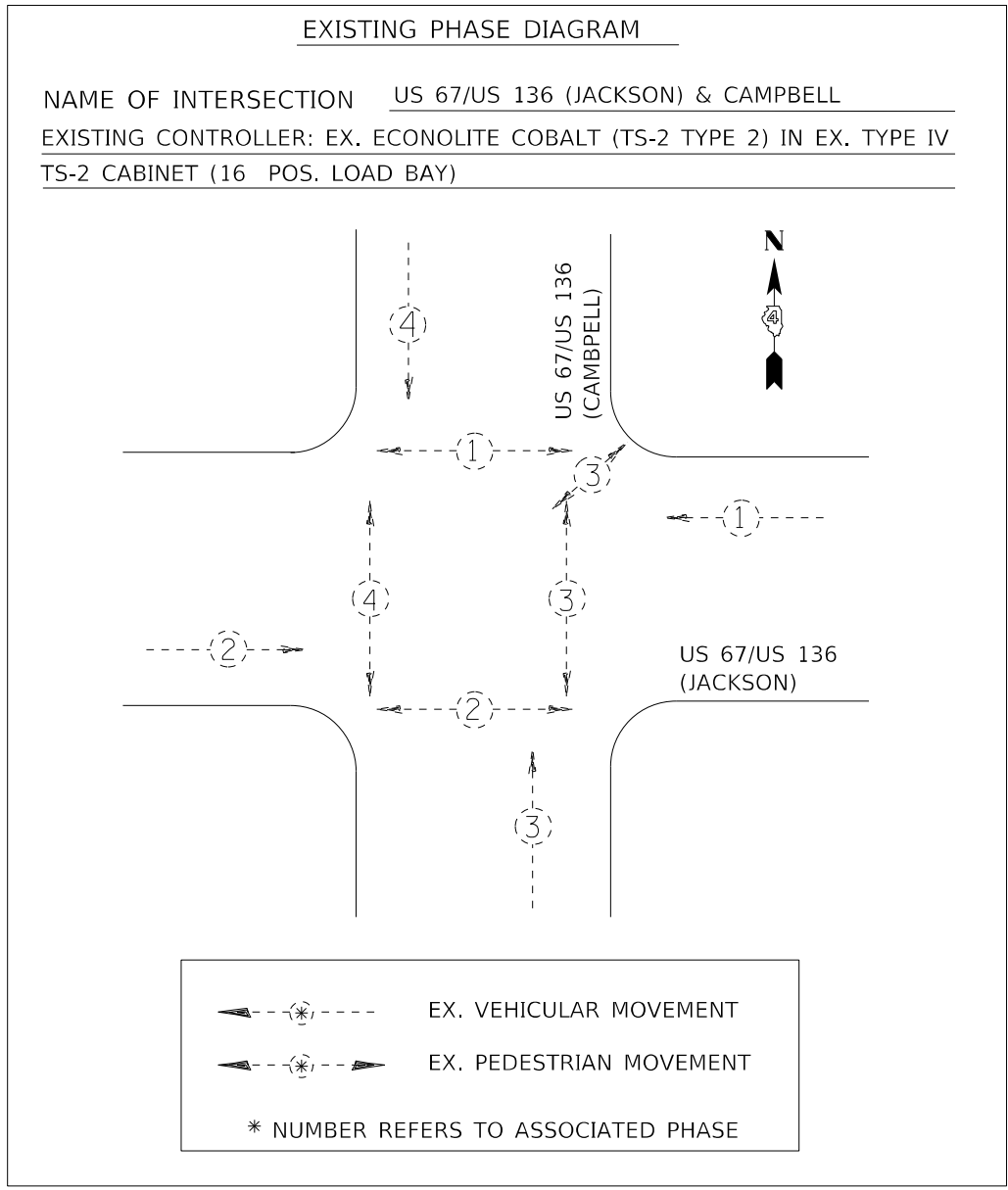
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2022	MCDONOUGH	41	11
			CONTRACT NO. 68G74	
		ILLINOIS FED. AID PROJECT		

SCALE: SHEET OF SHEETS STA. TO STA.



"X" INDICATES REMOVAL ITEM
"R" INDICATES RELOCATE ITEM

* REMOVE MAST ARM STRAIN POLE ONLY. EXISTING CONCRETE FOUNDATION, MAST ARM, AND MAST ARM MOUNTED SIGNAL HEADS TO BE RELOCATED.



TRAFFIC SIGNALS LEGEND

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

NOT TO SCALE

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USER NAME = hansonj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING CABLE & PHASE DIAGRAMS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 23,8272' / in.	DRAWN -	REVISED -		US 67/US 136 (E. JACKSON) & US 67/US 136 (S. CAMPBELL) - MACOMB				VAR.	D4 MAST ARM REPLACEMENT 2022	MCDONOUGH	41	12
PLOT DATE = 2/4/2022	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 68G74	
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

BILL OF MATERIALS		
US 136 (JACKSON) & CAMPBELL		
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	30.0
SIDEWALK REMOVAL	SQ FT	30.0
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	21.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	262.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1779.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	498.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 9C	FOOT	126.5
PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EACH	4.0
DRILL EXISTING HANDHOLE	EACH	4.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	5.0
REPLACE STEEL STRAIN POLE	EACH	2.0
ISLAND PAVEMENT REMOVAL AND REPLACEMENT	SQ FT	10.0
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0.1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	9.0

NOTES:

1. THE CONTRACTOR SHALL RELOCATE THE EXISTING MAST ARMS MA-1 AND MA-2 FROM THE EXISTING STRAIN POLES TO THE PROPOSED STRAIN POLES (INSTALLED ON THE EXISTING CONCRETE FOUNDATIONS.) THE CONTRACTOR SHALL REMOVE AND RE-INSTALL ALL EXISTING SIGNS, BRACKET MOUNTED SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND MAST ARM MOUNTED SIGNAL HEADS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE PROPOSED STRAIN POLES.
2. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING ANCHOR BOLT AND CONNECTION PLATE PATTERNS BEFORE ORDERING MATERIALS. THE CONTRACTOR SHALL FURNISH AND INSTALL STRAIN POLES THAT MATCH THE EXISTING ANCHOR BOLT AND CONNECTION PLATE PATTERNS.
3. THE CONTRACTOR SHALL INSTALL AND TERMINATE NEW TRAFFIC SIGNAL CABLING FOR THE RELOCATED SIGNAL HEADS ON MA-1 AND MA-2. THIS WORK WILL BE PAID FOR WITH THE BID PRICE FOR THE PROPOSED TRAFFIC SIGNAL CABLING.
4. THE CONTRACTOR SHALL RELOCATE THE EX. LUMINAIRE FROM THE EX. MA-2 STRAIN POLE TO THE TO THE PROP. MA-2. STRAIN POLE. THE CONTRACTOR SHALL RE-USE THE EXISTING POLE WIRING, SURGE ARRESTOR, FUSE HOLDERS, AND FUSES. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE PROPOSED STRAIN POLE.

LEGEND	
	EX. TS CONTROLLER CABINET
	EX. DOUBLE HANDHOLE
	EX. HANDHOLE
	EX. SIGNAL HEAD (WITH BACKPLATE)
	EX. SIGNAL HEAD (WITHOUT BACKPLATE)
	EX. PEDESTRIAN SIGNAL HEAD
	EX. PEDESTRIAN PUSHBUTTON
	EX. MAST ARM ASSEMBLY AND POLE
	EX. COMBINATION MAST ARM ASSEMBLY AND POLE
	EX. TRAFFIC SIGNAL POST
	EX. LUMINAIRE
	EX. QUADRAPOLE DETECTOR
	EX. CONDUIT
	PROP. BACKPLATE ON EX SIGNAL HEAD
	PROP. PEDESTRIAN PUSHBUTTON (APS)
	PROP. STEEL STRAIN POLE

NOT TO SCALE



TRAFFIC SIGNAL HEAD SCHEDULE				
US 67/US 136 (JACKSON) & US 67/US 136 (CAMPBELL)				
PROP. QTY.	UNIT	ITEM	LOCATION	
			PROPOSED	EXISTING
-	EACH	SH P LED 1F 3S BM		3,5,8
-	EACH	SH P LED 1F 3S MAM		2,7,9,11,12,13
-	EACH	SH P LED 1F 4S BM		14
-	EACH	SH P LED 1F 4S MAM		1,6,10
-	EACH	SH P LED 1F 5S BM		4
-	EACH	PED SH P LED 1F BM		A/B, E/F, G/H, I/J
-	EACH	PED SH P LED 2F BM		C,D
5.0	EACH	TS BACKPLATE RET-REFL	3,4,5,8,14	1,2,6,7,9,10,11,12,13

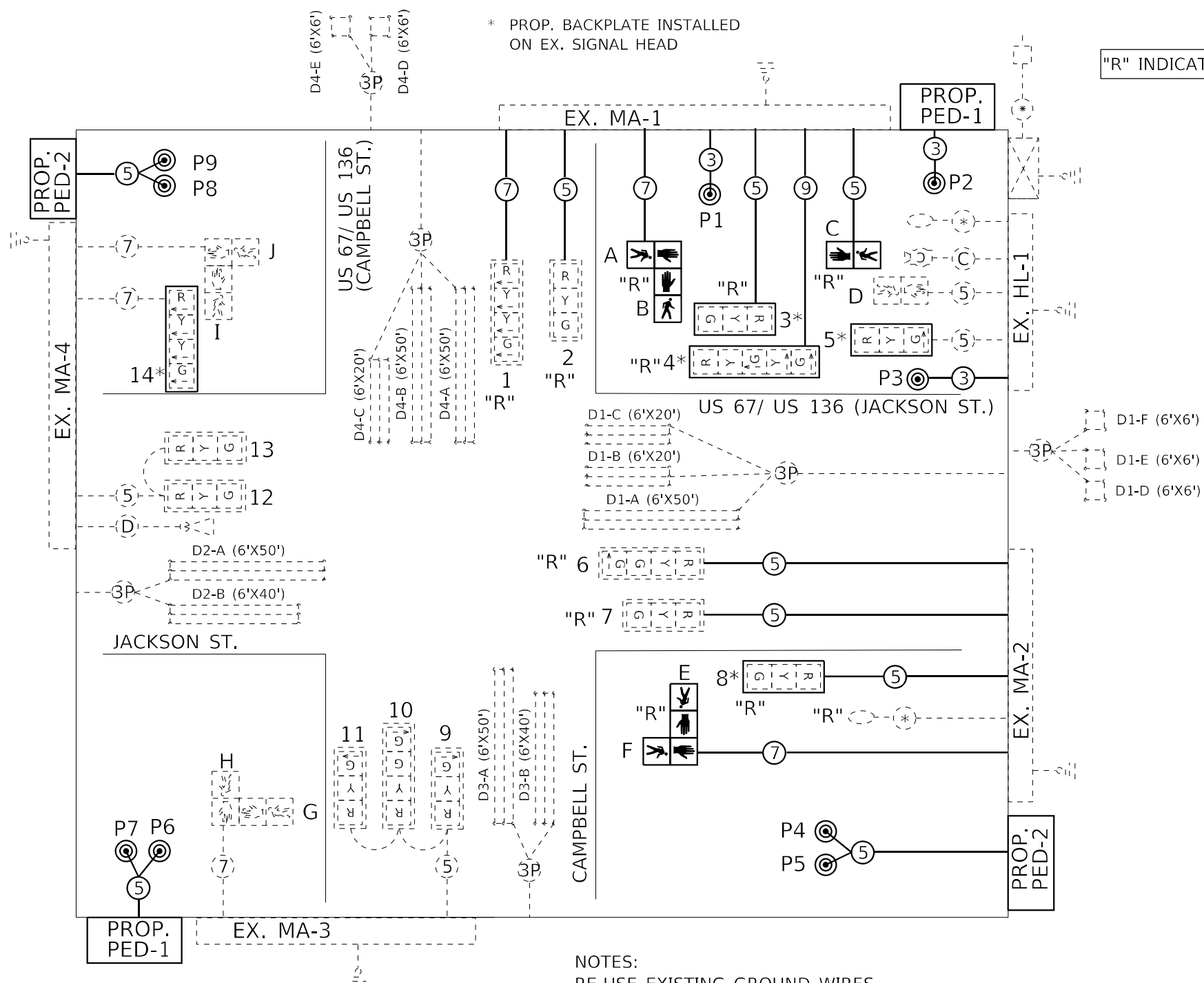
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 CONTRACT NO. 68G74

USER NAME = hansonj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 23,8272' / in.	CHECKED -	REVISED -
PLOT DATE = 3/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

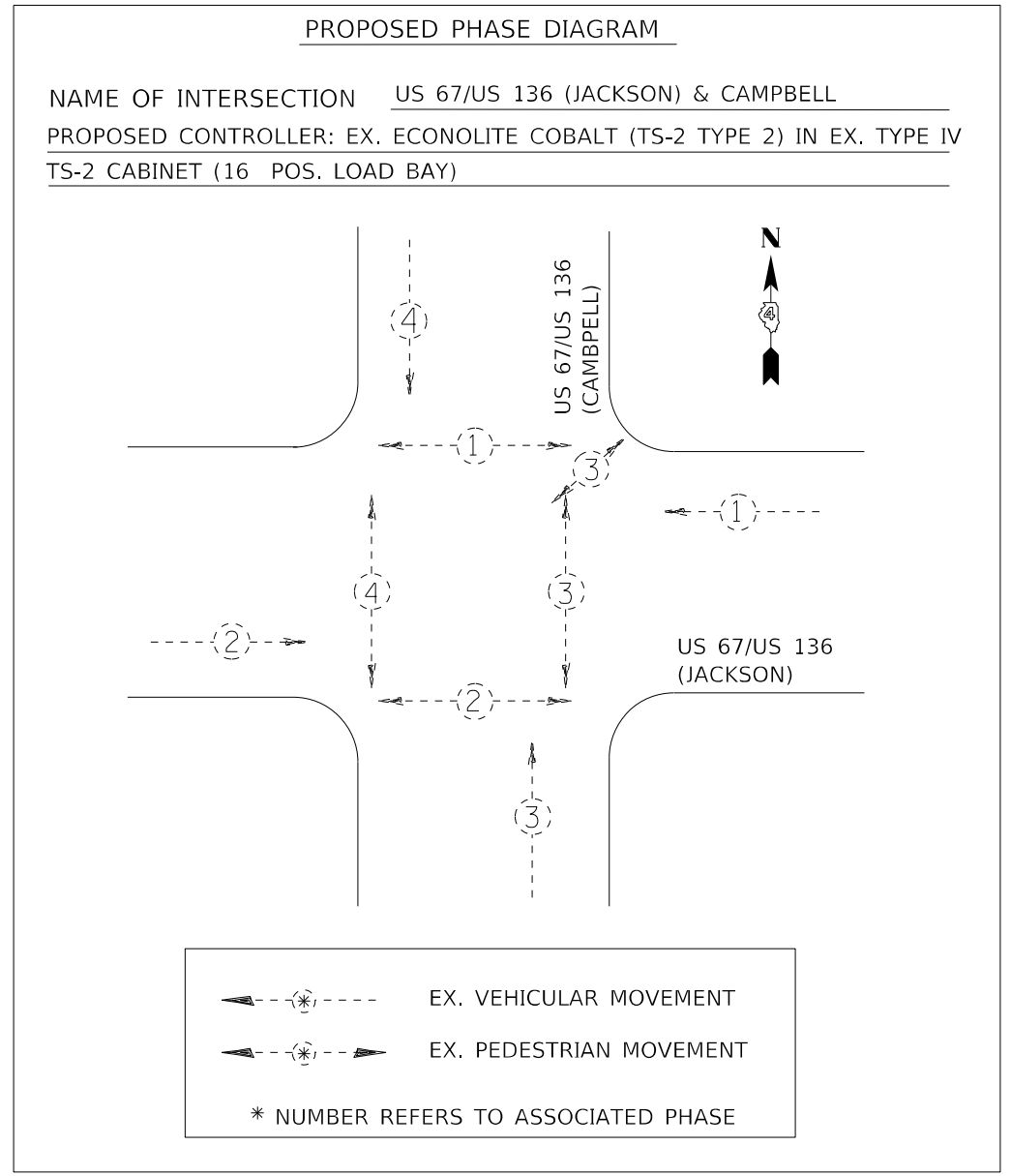
PROPOSED TRAFFIC SIGNAL PLANS
US 67/US 136 (E. JACKSON) & US 67/US 136 (S. CAMPBELL) - MACOMB

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2022	MCDONOUGH	41	13
SCALE:		SHEET OF SHEETS		STA. TO STA.
		ILLINOIS		FED. AID PROJECT



"R" INDICATES RELOCATE ITEM

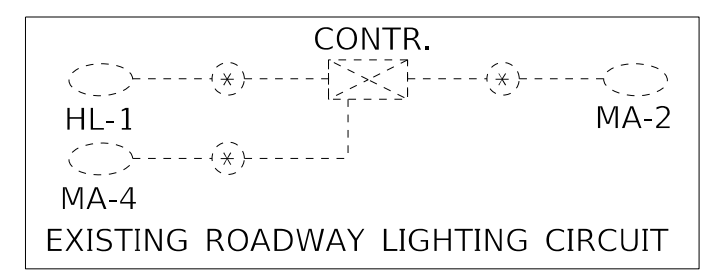
* PROP. BACKPLATE INSTALLED ON EX. SIGNAL HEAD



NOTES:
 RE-USE EXISTING GROUND WIRES
 RE-USE EXISTING NO. 6 CABLE FOR LUMINAIRE ON MA-2

TRAFFIC SIGNALS LEGEND

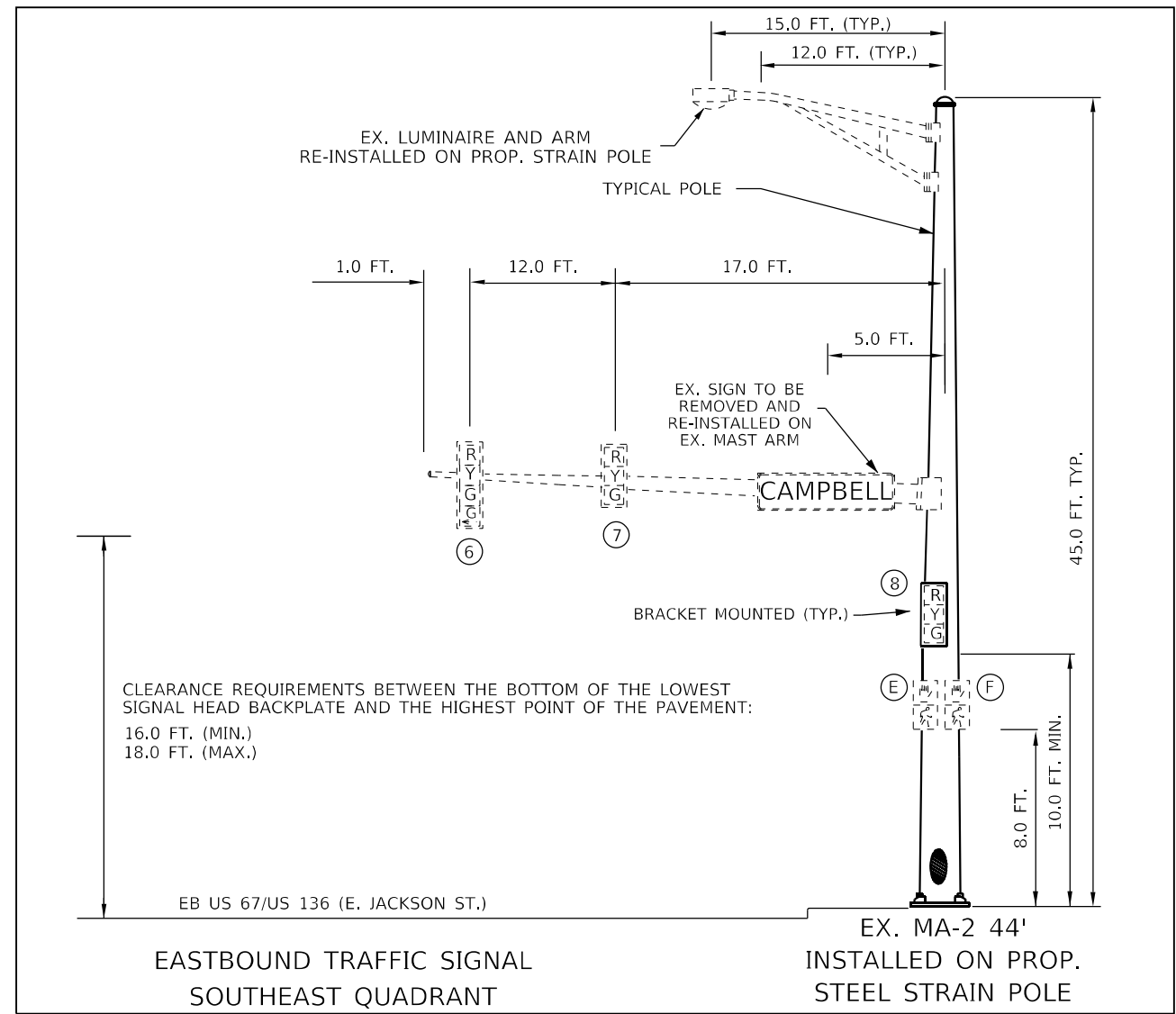
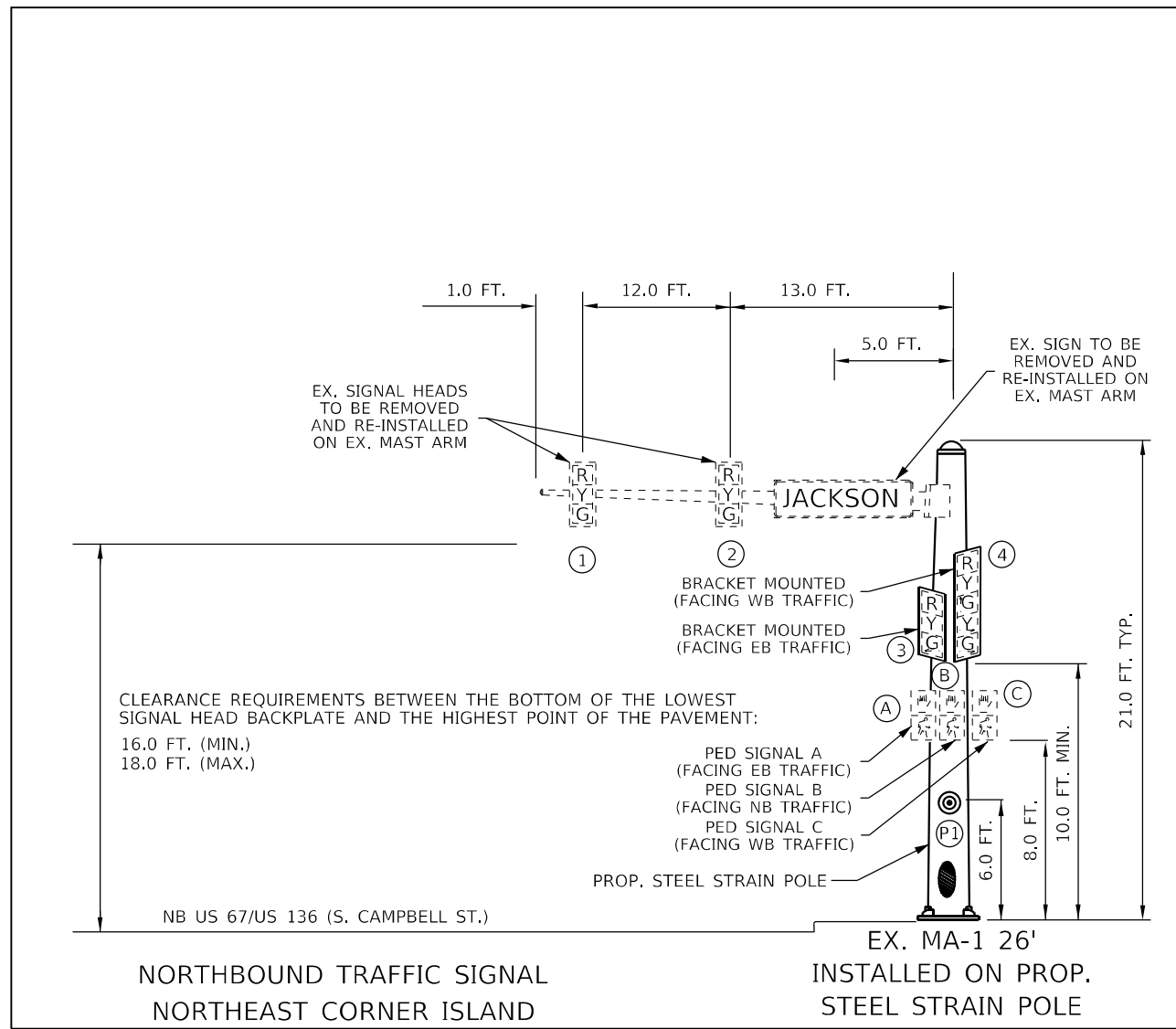
	EX. TRAFFIC SIGNAL CONTROLLER CABINET		EX. 3 SEC. SIGNAL HEAD WITH BACKPLATE		EX. 3/C NO. 14 SIGNAL CABLE
	EX. ELECTRIC SERVICE		EX. 3 SEC. SIGNAL HEAD WITHOUT BACKPLATE		EX. 5/C NO. 14 SIGNAL CABLE
	EX. GROUND/SAFETY BOND		EX. PEDESTRIAN SIGNAL HEAD		EX. 7/C NO. 14 SIGNAL CABLE
	EX. EVP DETECTOR		EX. ROADWAY LUMINAIRE		EX. 1/C NO. 6 CABLE
	EX. DETECTOR LOOP		PROP. RETROREFLECTIVE BACKPLATE ON EX. 3 SEC. SIGNAL HEAD		EX. NO. 18 3-PR DETECTOR LOOP CABLE
	EX. QUADRAPOLE DETECTOR LOOP		PROP. PEDESTRIAN SIGNAL HEAD		EX. EVP DETECTOR CABLE
	PROP. PEDESTRIAN PUSHBUTTON (APS)		EX. CCTV CABLE		



NOT TO SCALE

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 DATE: 2/4/2022

USER NAME = hansonj	DESIGNED -	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CABLE & PHASE DIAGRAMS US 67/US 136 (E. JACKSON) & US 67/US 136 (S. CAMPBELL) - MACOMB		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISIONS -	VAR.				D4 MAST ARM REPLACEMENT 2022	MCDONOUGH	41	14	
PLOT SCALE = 23,8272 * / in.	CHECKED -	REVISIONS -				CONTRACT NO. 68G74				
PLOT DATE = 2/4/2022	DATE -	REVISIONS -				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.

NOT TO SCALE

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	DRAWN -	REVISED -
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PLOT DATE = 2/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED MAST ARM AND TRAFFIC SIGNAL POST DETAILS
US 67/US 136 (E. JACKSON) & US 67/US 136 (S. CAMPBELL) - MACOMB**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2022	MCDONOUGH	41	15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G74	

BILL OF MATERIALS		
LINCOLN & JEFFERSON (REMOVAL)		
ITEM DESCRIPTION	UNIT	QTY.
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REMOVE EXISTING HANDHOLE	EACH	1.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	3.0



IL 8/ IL 116 (LINCOLN AVE.)

SW JEFFERSON AVE.



REMOV EX HANDHOLE
1.0 EACH

REMOV EX CONC FDN
1.0 EACH
TRAFFIC SIGNAL MAST ARM ASSEMBLY
AND POLE TO BE REMOVED

REMOV EX CONC FDN
1.0 EACH

TRAFFIC SIGNAL POST
TO BE REMOVED

REMOV EX CONC FDN
1.0 EACH
TRAFFIC SIGNAL MAST ARM ASSEMBLY
AND POLE TO BE REMOVED

EX. FIBER OPTIC CABLE

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - QTY. 1.0 EACH
(INCLUDES ALL ITEMS LISTED BELOW)
THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY:

QTY.	ITEM DESCRIPTION
4.0	SIGNAL HEAD, MAST ARM MOUNTED (SIGNAL HEADS 1,2,3,4)
3.0	PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED (SIGNAL HEADS A,B,C)
2.0	STEEL MAST ARM ASSEMBLY AND POLE (MA-1, MA-2)
1.0	TRAFFIC SIGNAL POST (TS-1)
ALL	ELECTRICAL CABLE NOT USED IN PROPOSED PLANS

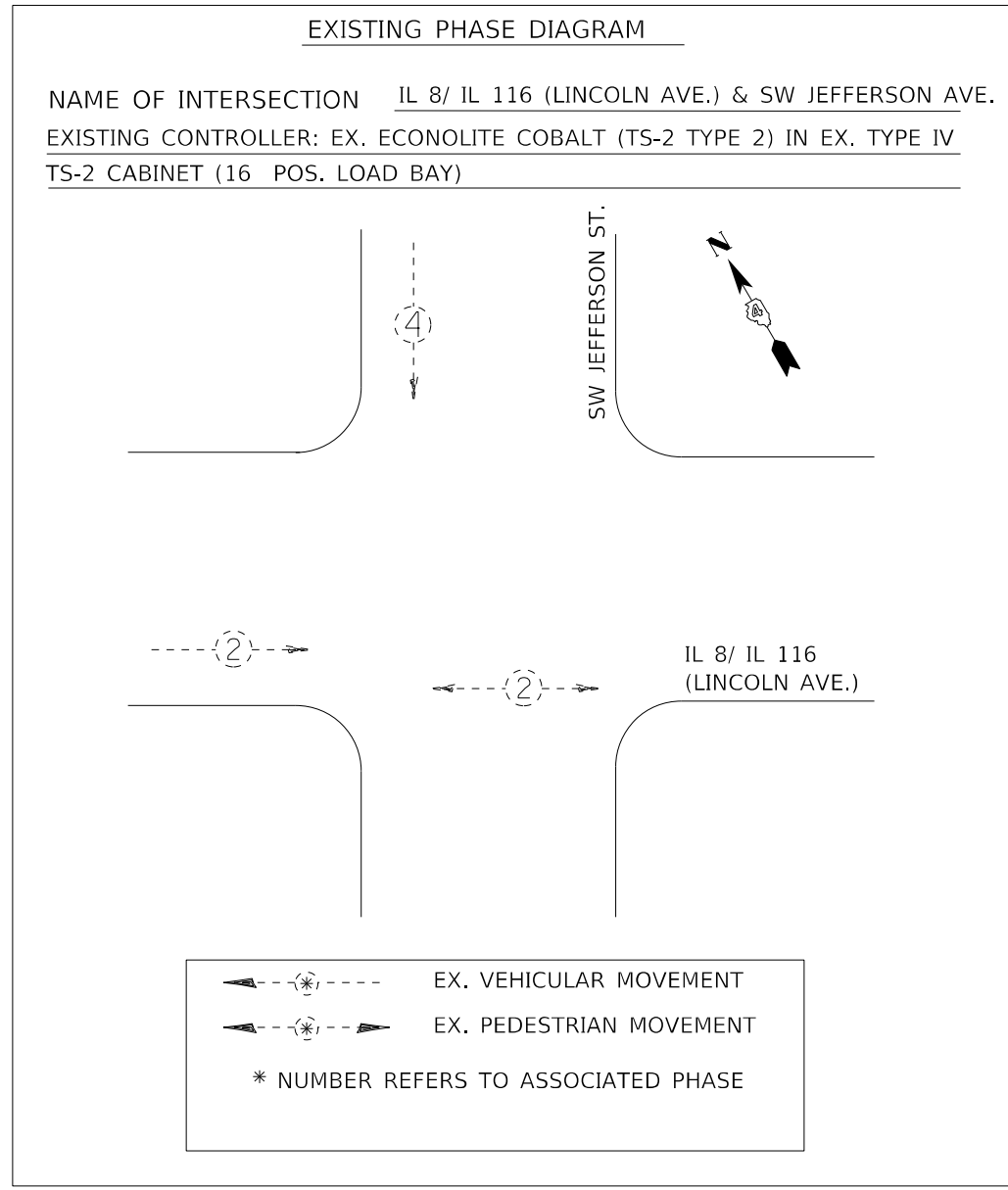
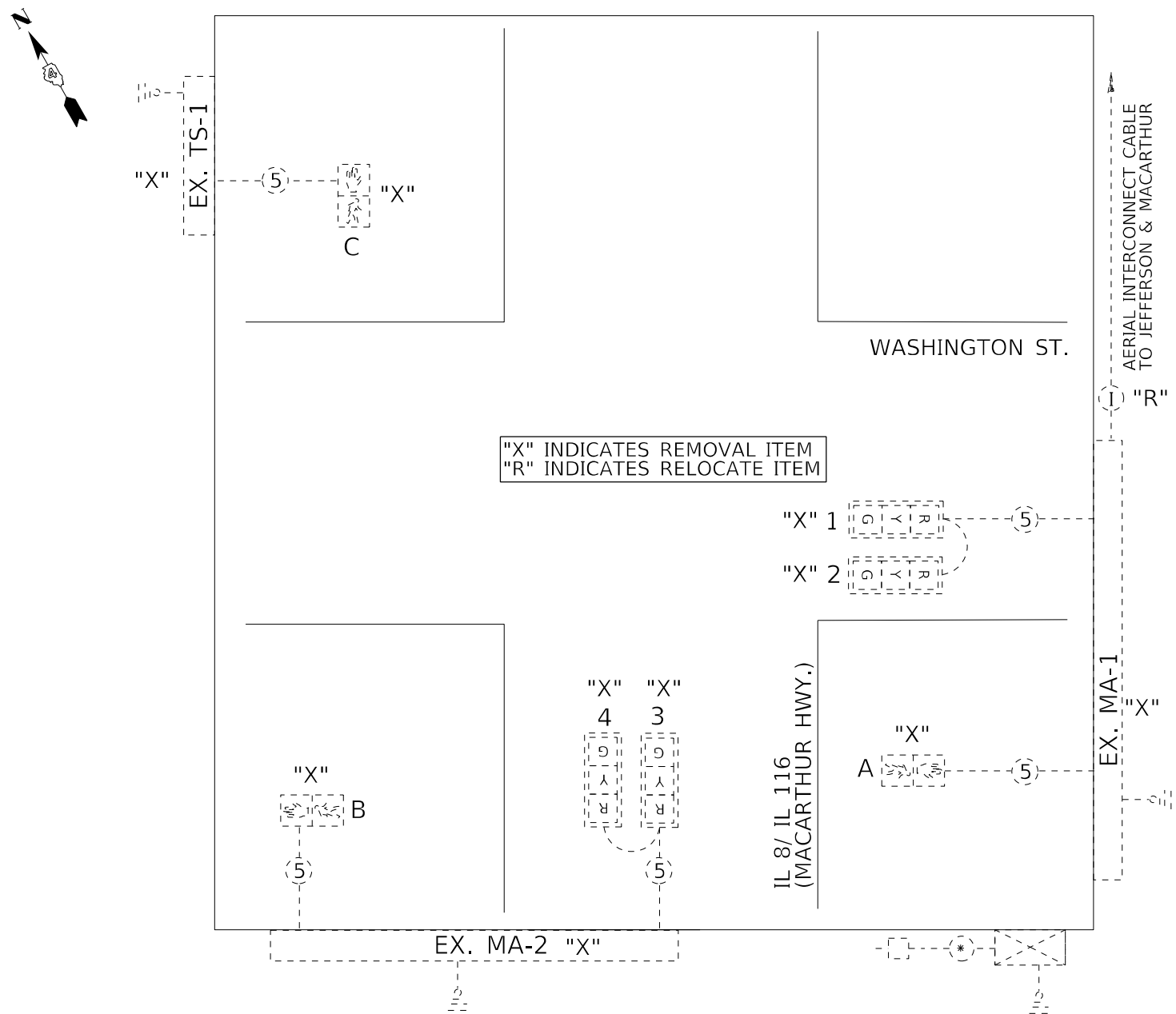
"X" INDICATES REMOVAL ITEM
"R" INDICATES RELOCATE ITEM

LEGEND	
	EX. TS CONTROLLER CABINET
	EX. HANDHOLE
	EX. SIGNAL HEAD (WITH BACKPLATE)
	EX. SIGNAL HEAD (WITHOUT BACKPLATE)
	EX. MAST ARM ASSEMBLY AND POLE
	EX. TRAFFIC SIGNAL POST
	EX. ELECTRICAL SERVICE
	EX. CONDUIT
	EX. INTERCONNECT CABLE (AERIAL)

NOT TO SCALE

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USER NAME = hansonj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNAL PLANS & REMOVAL ITEMS IL 8/IL 116 (LINCOLN AVE.) & SW JEFFERSON AVE. - PEORIA	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 23,8272' = 1" / 1/4"	DRAWN -	REVISED -			VAR.	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	16
PLOT DATE = 2/4/2022	CHECKED -	REVISED -			CONTRACT NO. 68G74				
	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.



TRAFFIC SIGNALS LEGEND

EX. TRAFFIC SIGNAL CONTROLLER CABINET	EX. 3 SEC. SIGNAL HEAD WITH BACKPLATE	EX. 5/C NO. 14 SIGNAL CABLE
EX. ELECTRIC SERVICE	EX. 3 SEC. SIGNAL HEAD WITHOUT BACKPLATE	EX. 7/C NO. 14 SIGNAL CABLE
EX. GROUND/SAFETY BOND		EX. 1/C NO. 6 CABLE
		EX. INTERCONNECT CABLE (AERIAL)

NOT TO SCALE

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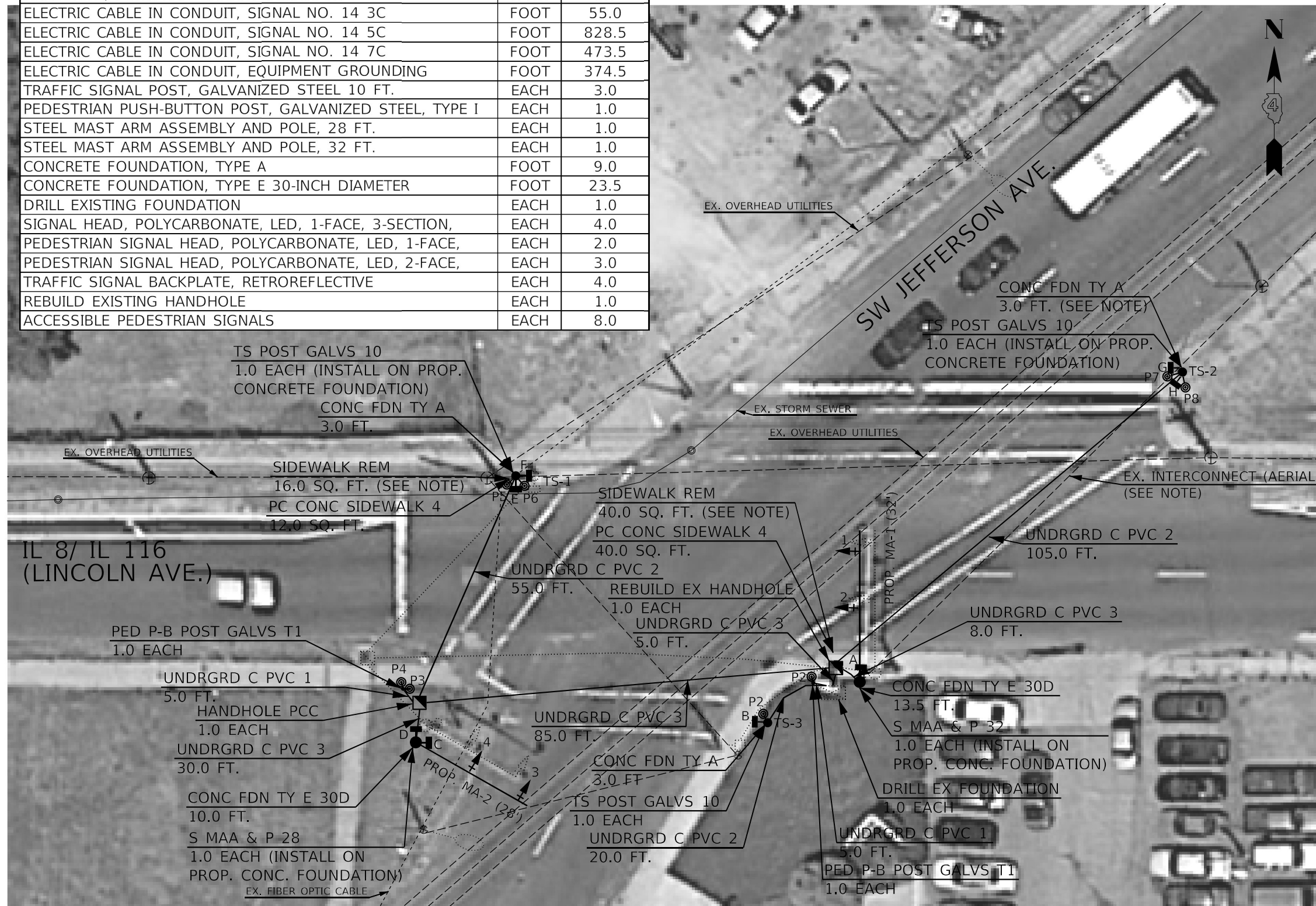
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	17
CONTRACT NO. 68G74			ILLINOIS FED. AID PROJECT	

BILL OF MATERIALS		
IL 8/IL 116 (LINCOLN) & SW JEFFERSON		
ITEM DESCRIPTION	UNIT	QTY.
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	52.0
SIDEWALK REMOVAL	SQ FT	56.0
SIGN PANEL - TYPE 2	SQ FT	28.3
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	10.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	188.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	120.0
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	55.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	828.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	473.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING	FOOT	374.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	3.0
PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE A	FOOT	9.0
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	23.5
DRILL EXISTING FOUNDATION	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION,	EACH	4.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE,	EACH	2.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE,	EACH	3.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	4.0
REBUILD EXISTING HANDHOLE	EACH	1.0
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8.0

TRAFFIC SIGNAL HEAD SCHEDULE			
IL 8/IL 116 (LINCOLN) & SW JEFFERSON			
PROP. QTY.	UNIT	ITEM	LOCATION PROPOSED
4.0	EACH	SH P LED 1F 3S MAM	1,2,3,4
2.0	EACH	PED SH P LED 1F BM CT	A,B
3.0	EACH	PED SH P LED 2F BM CT	C/D, E/F, G/H
4.0	EACH	TS BACKPLATE RET-REFL	1,2,3,4



NOTES:

1. THE PROPOSED TRAFFIC SIGNAL POST (TS-1) AND CONCRETE FOUNDATION SHALL BE INSTALLED IN THE LOCATION OF THE EXISTING SIDEWALK PANEL WEST OF THE EXISTING TS-1 IN THE NW QUADRANT AS SHOWN IN THE PLANS.
2. THE PROPOSED TRAFFIC SIGNAL POST (TS-2) AND CONCRETE FOUNDATION SHALL BE INSTALLED AT EDGE OF GRASS BETWEEN SIDEWALK AND THE ROADWAY IN THE NE QUADRANT AS SHOWN IN THE PLANS.
3. THE SIDEWALK PANELS BETWEEN THE PROPOSED HANDHOLE TO BE REBUILT AND THE PROPOSED MAST ARM (MA-1) AND CONCRETE FOUNDATION SHALL BE REMOVED AND RE-INSTALLED TO ACCOMMODATE THE INSTALLATION OF THE PROPOSED FOUNDATION AND CONDUITS.
4. THE EXISTING TRAFFIC SIGNAL INTERCONNECT (AERIAL) CABLES SHALL BE RELOCATED FROM THE EXISTING MAST ARM (MA-1) TO THE PROPOSED MAST ARM (MA-1.) THE CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED BRACKETS AND HARDWARE TO RELOCATE AND RECONNECT THE CABLE. THE CONTRACTOR SHALL ENSURE THAT THE INTERCONNECT CABLE IS OPERATIONAL AFTER THE RELOCATION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE PROPOSED MAST ARM.

LEGEND

	EX. TS CONTROLLER CABINET
	EX. HANDHOLE
	EX. SIGNAL HEAD (WITH BACKPLATE)
	EX. SIGNAL HEAD (WITHOUT BACKPLATE)
	EX. MAST ARM ASSEMBLY AND POLE
	EX. TRAFFIC SIGNAL POST
	EX. ELECTRICAL SERVICE
	EX. CONDUIT
	EX. INTERCONNECT CABLE (AERIAL)
	PROP. HANDHOLE
	PROP. SIGNAL HEAD (WITH BACKPLATE)
	PROP. MAST ARM ASSEMBLY AND POLE
	PROP. TRAFFIC SIGNAL POST
	PROP. PEDESTRIAN SIGNAL HEAD
	PROP. CONDUIT

NOT TO SCALE

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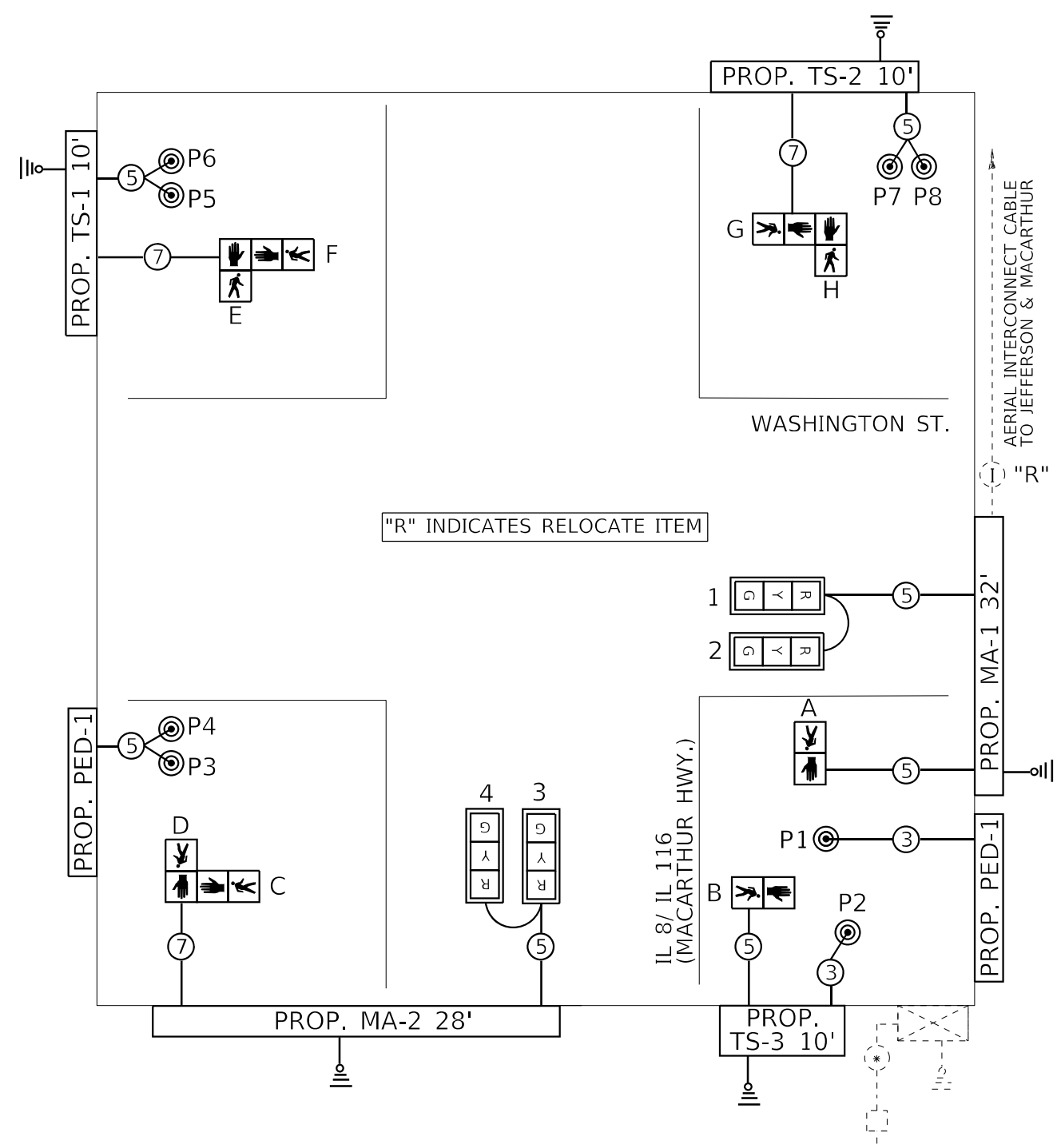
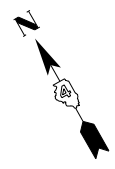
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PLOT DATE = 3/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL PLANS
IL 8/IL 116 (LINCOLN AVE.) & SW JEFFERSON AVE. - PEORIA

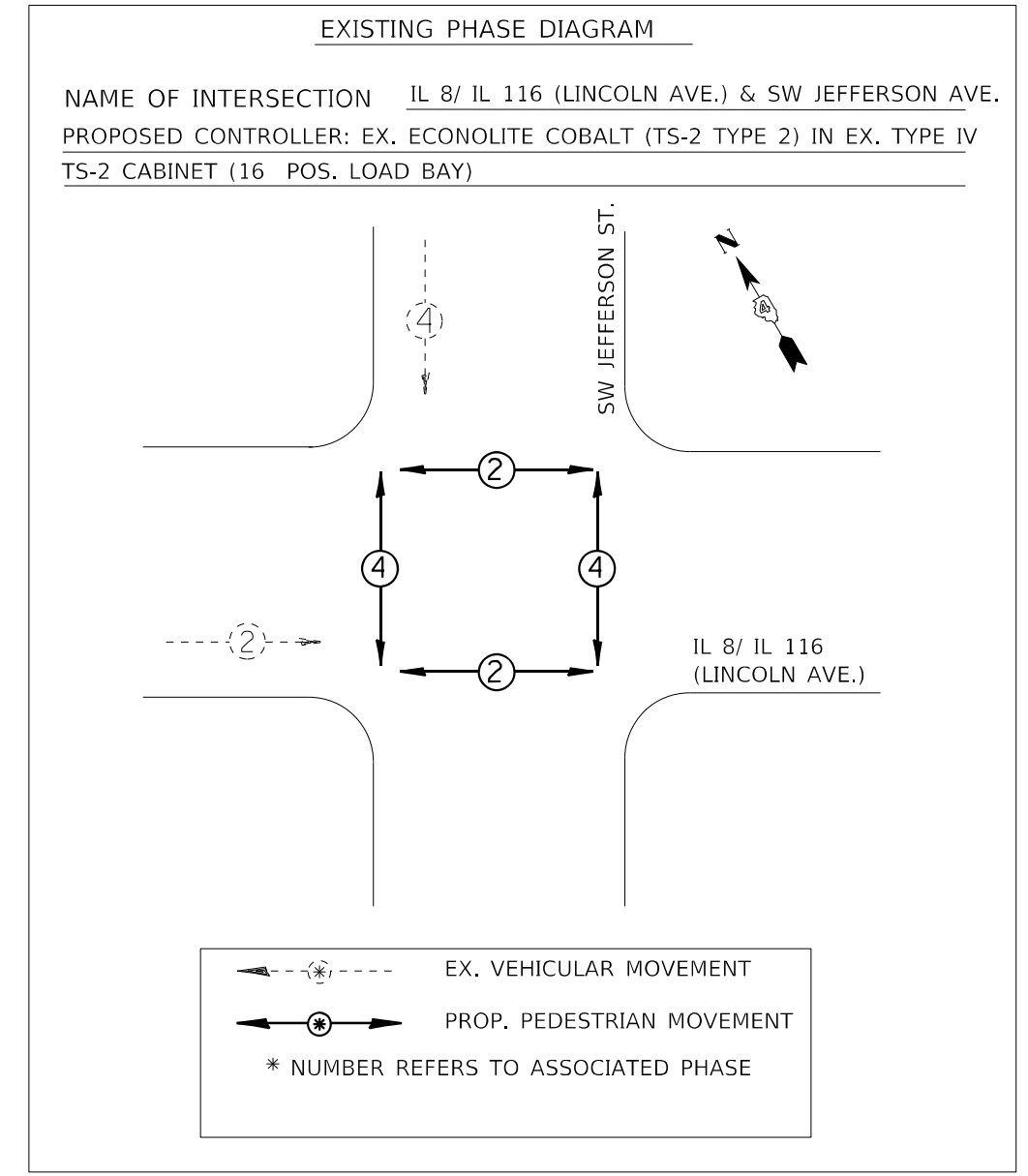
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			CONTRACT NO. 68G74	
		ILLINOIS	FED. AID PROJECT	

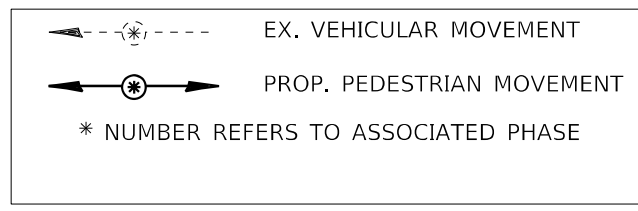


"R" INDICATES RELOCATE ITEM

TRAFFIC SIGNALS LEGEND			
	EX. TRAFFIC SIGNAL CONTROLLER CABINET		PROP. 3 SEC. SIGNAL HEAD WITH BACKPLATE
	EX. ELECTRIC SERVICE		PROP. PEDESTRIAN SIGNAL HEAD
	EX. GROUND/SAFETY BOND		PROP. GROUND/SAFETY BOND
	PROP. 5/C NO. 14 SIGNAL CABLE		PROP. 7/C NO. 14 SIGNAL CABLE
	EX. 1/C NO. 6 CABLE		EX. INTERCONNECT CABLE (AERIAL)



NAME OF INTERSECTION IL 8/ IL 116 (LINCOLN AVE.) & SW JEFFERSON AVE.
 PROPOSED CONTROLLER: EX. ECONOLITE COBALT (TS-2 TYPE 2) IN EX. TYPE IV TS-2 CABINET (16 POS. LOAD BAY)



- NOTES:
- THE EXISTING TRAFFIC SIGNAL INTERCONNECT (AERIAL) CABLES SHALL BE RELOCATED FROM THE EXISTING MAST ARM (MA-1) TO THE PROPOSED MAST ARM (MA-1.) THE CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED BRACKETS AND HARDWARE TO RELOCATE AND RECONNECT THE CABLE. THE CONTRACTOR SHALL ENSURE THAT THE INTERCONNECT CABLE IS OPERATIONAL AFTER THE RELOCATION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE PROPOSED MAST ARM.

NOT TO SCALE

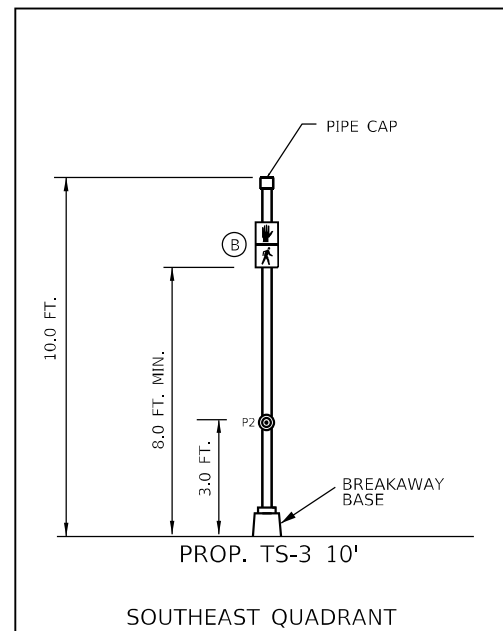
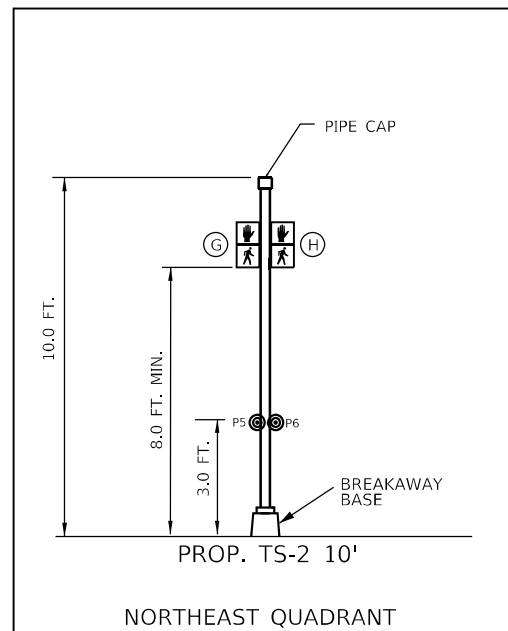
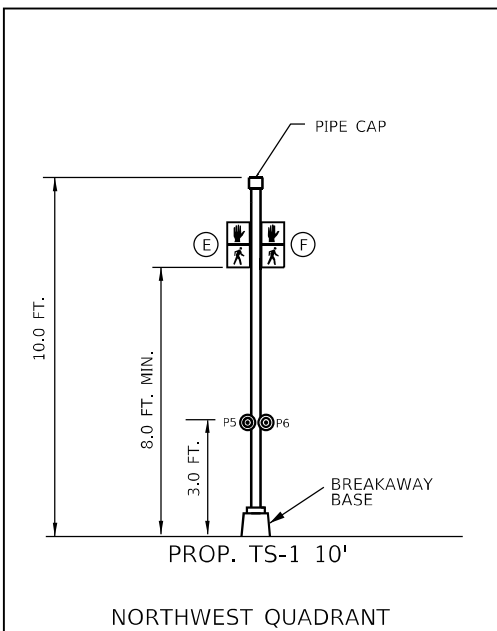
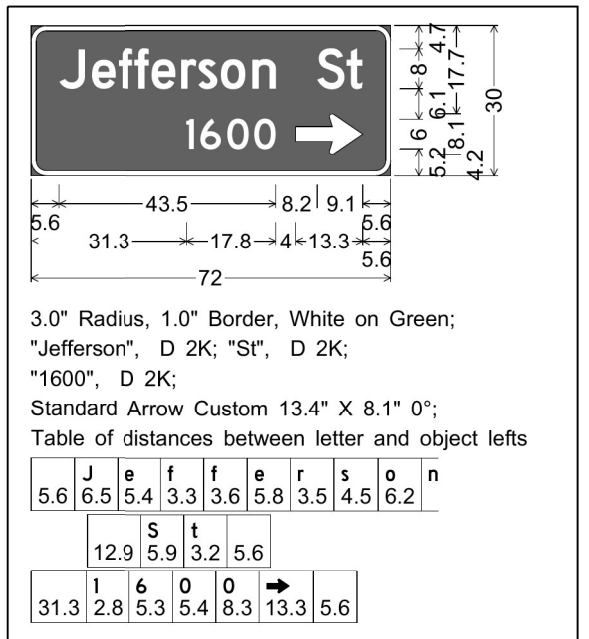
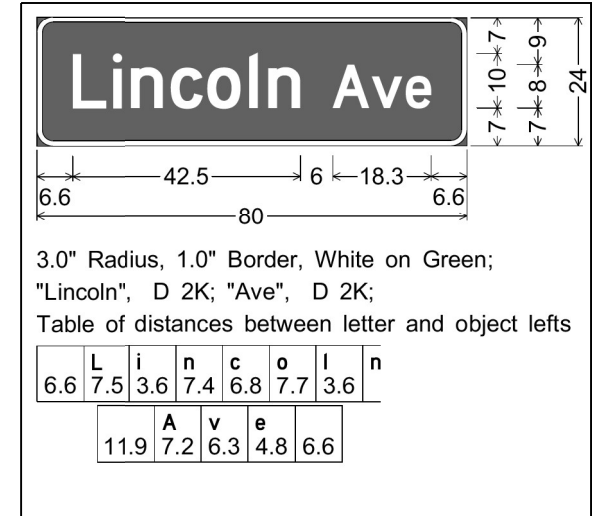
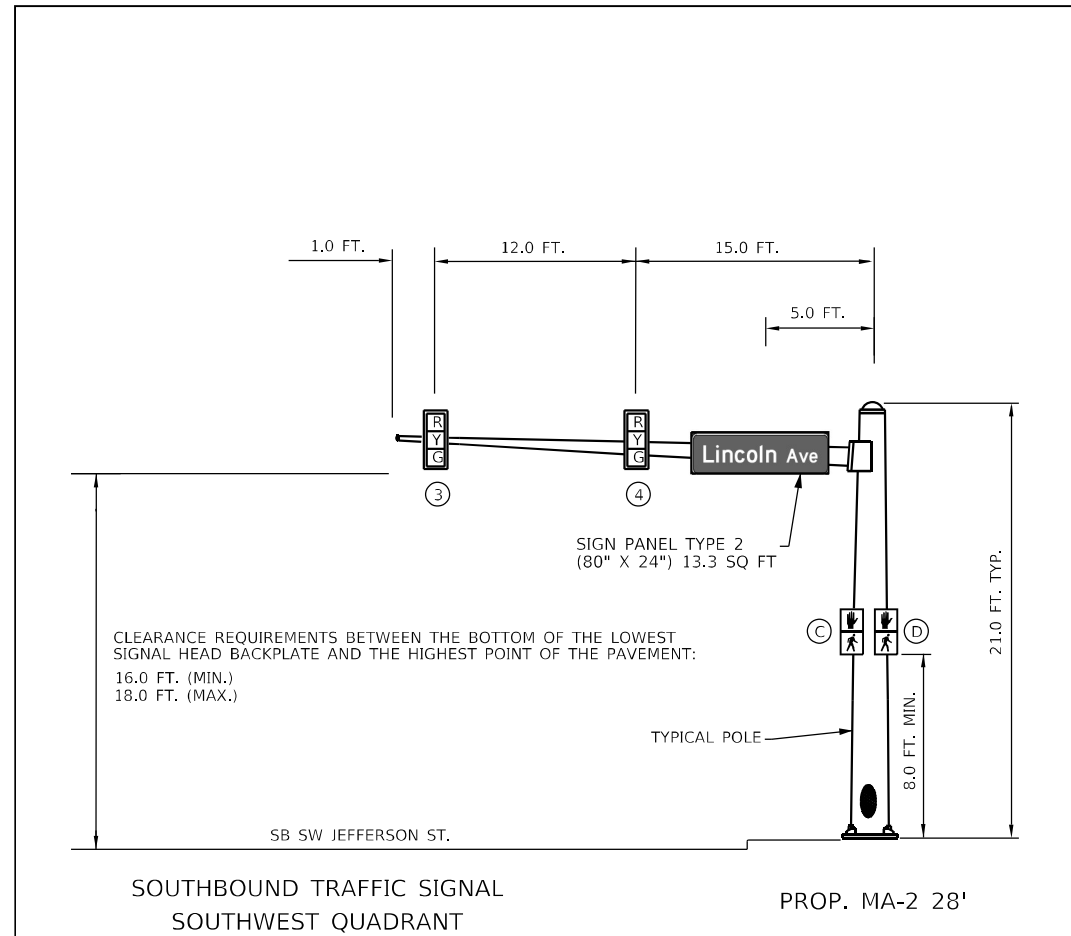
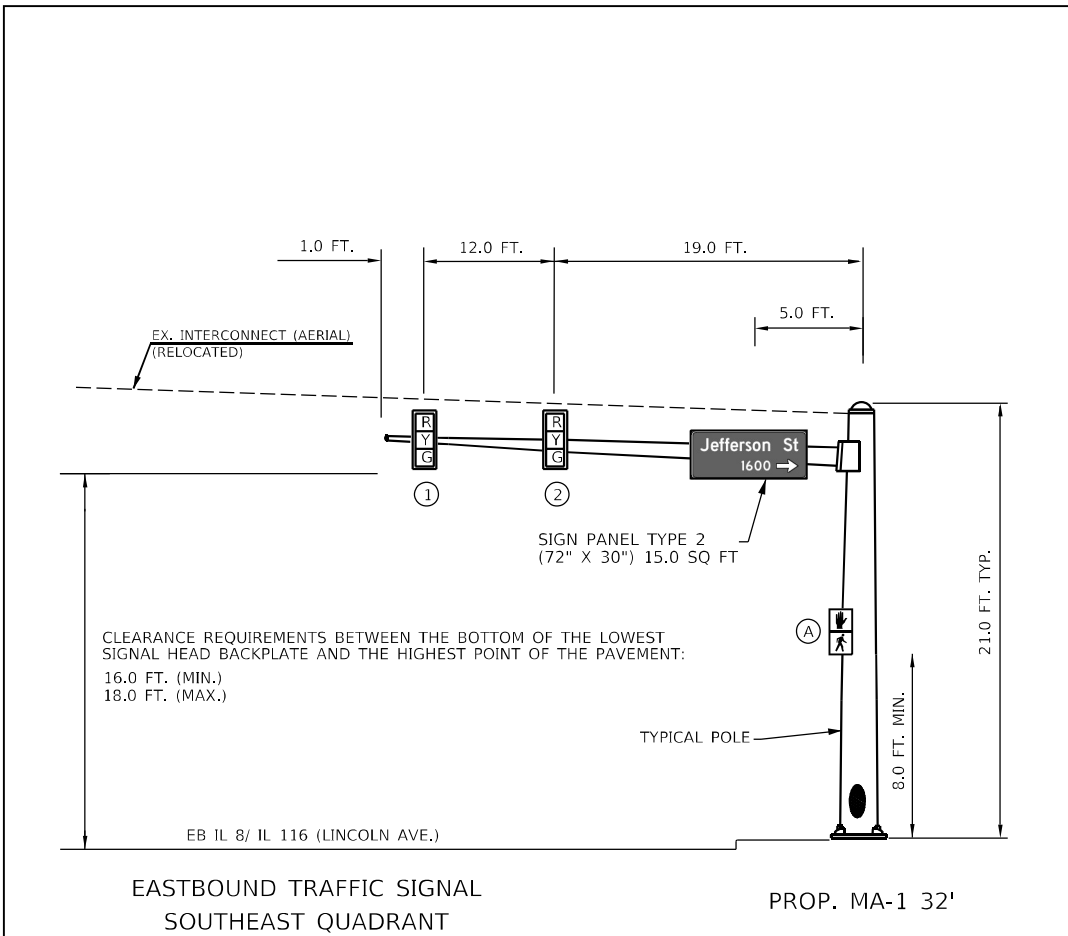
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PLOT DATE = 2/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	19
			CONTRACT NO. 68G74	
		ILLINOIS FED. AID PROJECT		



- NOTES:
- 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.

NOT TO SCALE

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DRAWN -	REVISIONS -	
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PLOT DATE = 2/4/2022	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED MAST ARM AND TRAFFIC SIGNAL POST DETAILS
 IL 8/IL 116 (LINCOLN AVE.) & SW JEFFERSON ST. - PEORIA

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	20
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G74	

BILL OF MATERIALS		
IL 40 & DETWEILLER (REMOVAL)		
ITEM DESCRIPTION	UNIT	QTY.
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0

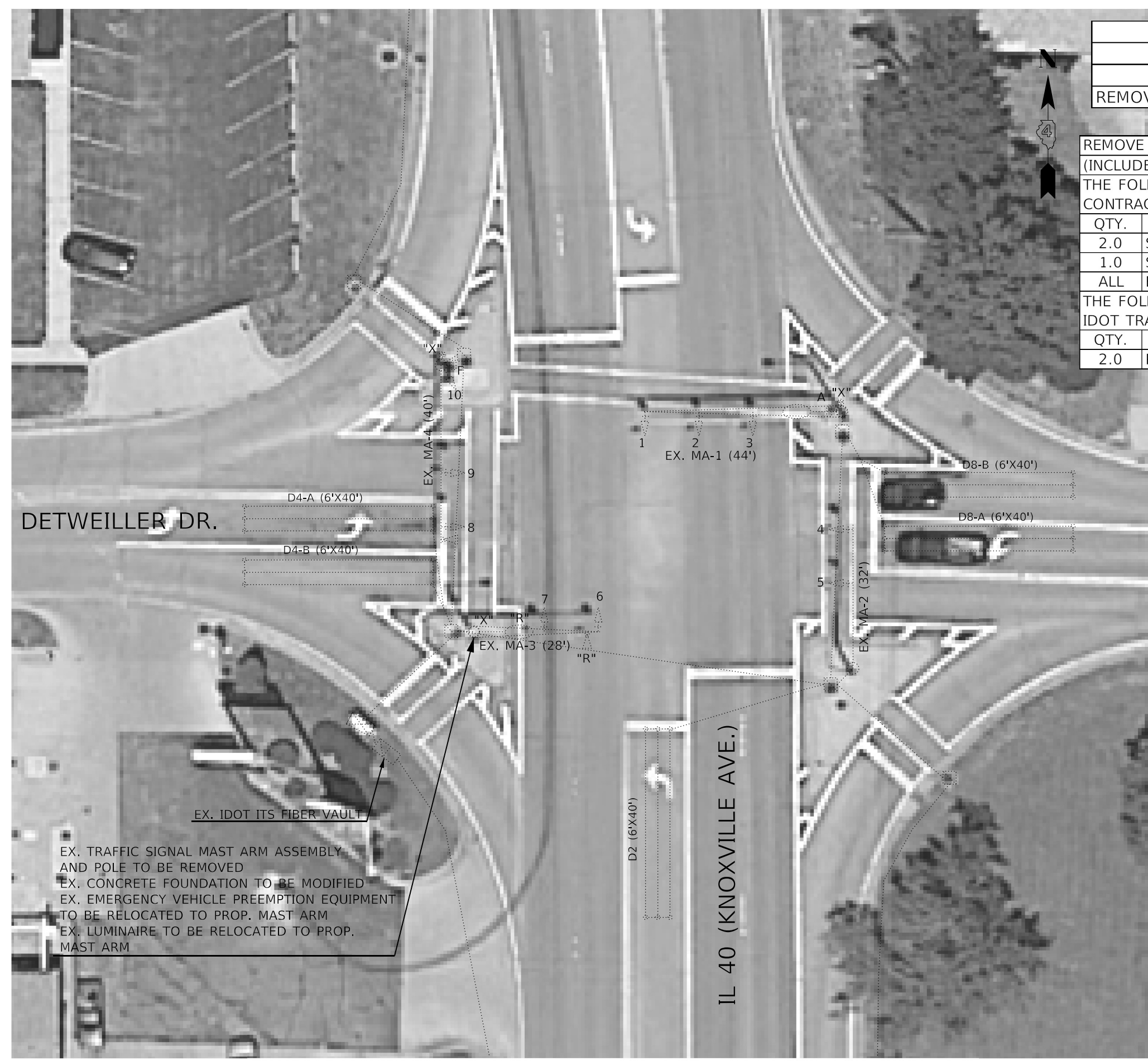
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - QTY. 1.0 EACH
 (INCLUDES ALL ITEMS LISTED BELOW)
 THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY:

QTY.	ITEM DESCRIPTION
2.0	SIGNAL HEAD, MAST ARM MOUNTED (SIGNAL HEADS 6,7)
1.0	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE (MA-3)
ALL	ELECTRICAL CABLE NOT USED IN PROPOSED PLANS

THE FOLLOWING ITEMS SHALL BE REMOVED AND DELIVERED TO THE IDOT TRAFFIC BUILDING AT 1025 W. DETWEILLER DR. PEORIA, IL 61615:

QTY.	ITEM DESCRIPTION
2.0	PEDESTRIAN PUSHBUTTON

NOTES:
 1. THE CONTRACTOR SHALL REMOVE THE EXISTING PEDESTRIAN PUSHBUTTONS AND DELIVER THEM TO THE IDOT TRAFFIC BUILDING AT 1025 W DETWEILLER DR., PEORIA, IL 61615. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."



"X" INDICATES REMOVAL ITEM
 "R" INDICATES RELOCATE ITEM

LEGEND	
	EX. TS CONTROLLER CABINET
	EX. DOUBLE HANDHOLE
	EX. HANDHOLE
	EX. SIGNAL HEAD (WITH BACKPLATE)
	EX. SIGNAL HEAD (WITHOUT BACKPLATE)
	EX. MAST ARM ASSEMBLY AND POLE
	EX. COMBINATION MAST ARM ASSEMBLY AND POLE
	EX. TRAFFIC SIGNAL POST
	EX. LUMINAIRE
	EX. QUADRAPOLE DETECTOR
	EX. CONDUIT
	EX. EVP DETECTOR

EX. TRAFFIC SIGNAL MAST ARM ASSEMBLY AND POLE TO BE REMOVED
 EX. CONCRETE FOUNDATION TO BE MODIFIED
 EX. EMERGENCY VEHICLE PREEMPTION EQUIPMENT TO BE RELOCATED TO PROP. MAST ARM
 EX. LUMINAIRE TO BE RELOCATED TO PROP. MAST ARM

MODEL: Default
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NOT TO SCALE

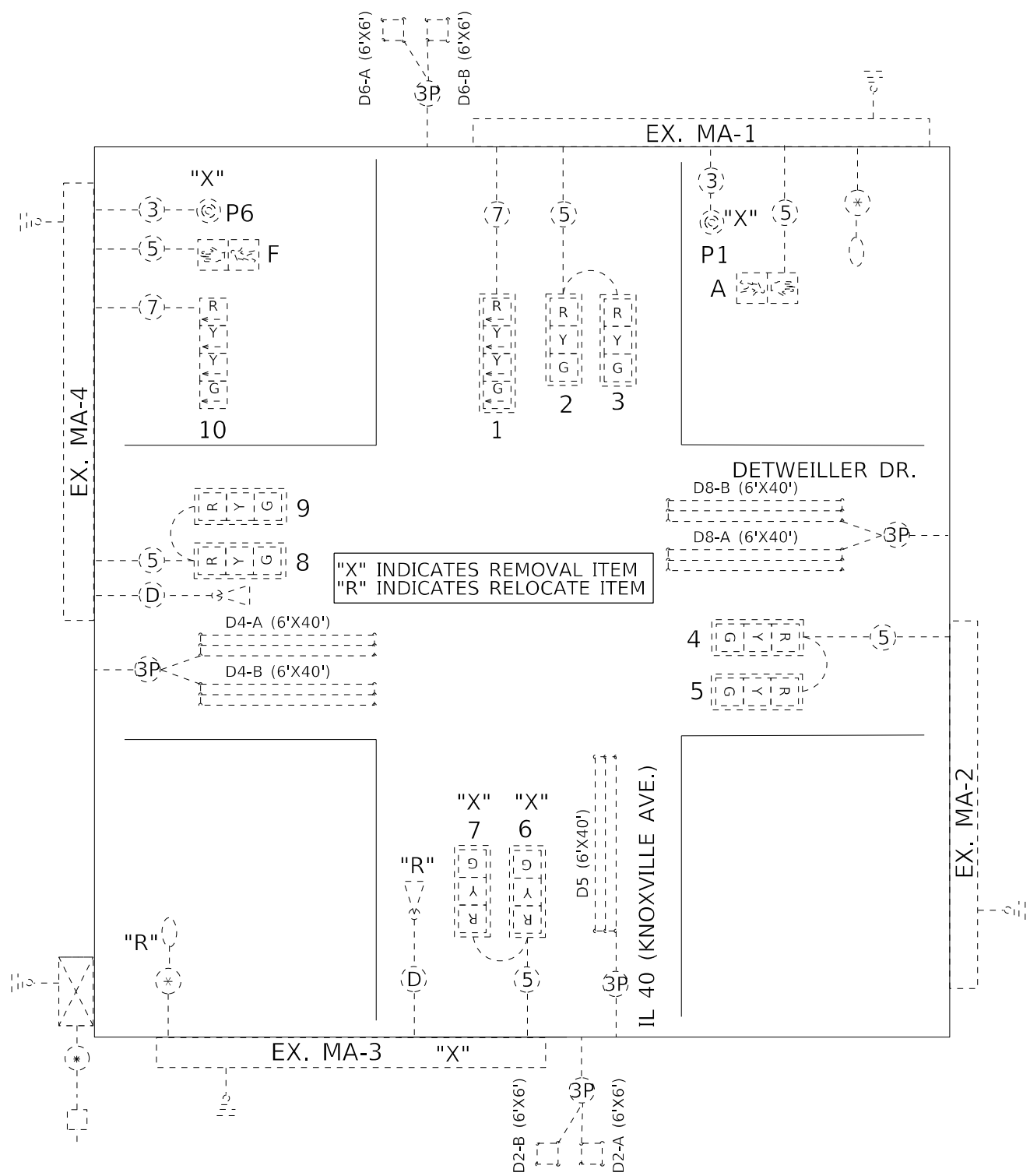
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PLOT DATE = 2/4/2022	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL PLANS & REMOVAL ITEMS
 IL 40 (KNOXVILLE AVE.) & DETWEILLER DR. - PEORIA

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	21
			CONTRACT NO. 68G74	
ILLINOIS FED. AID PROJECT				



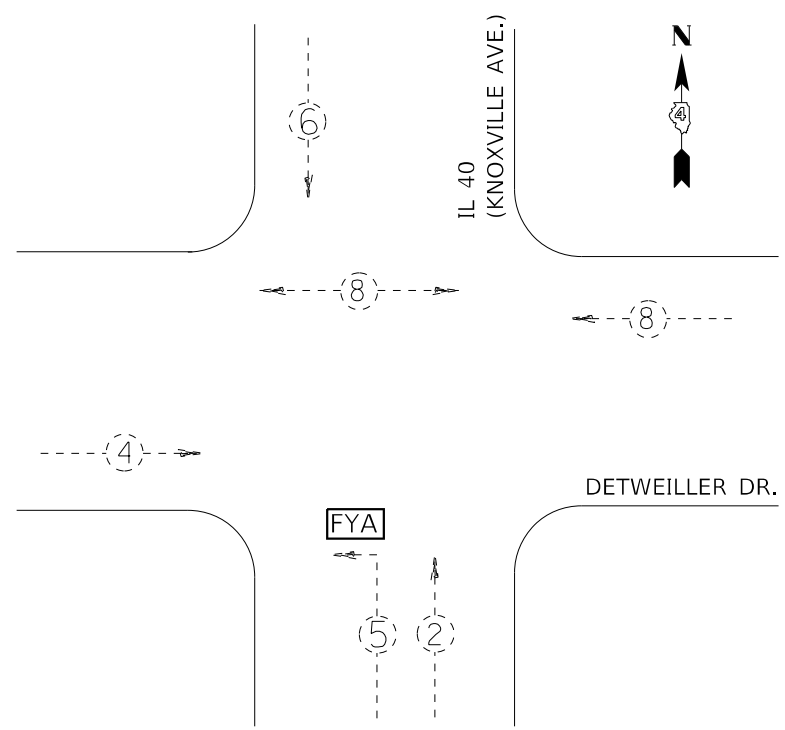
"X" INDICATES REMOVAL ITEM
 "R" INDICATES RELOCATE ITEM

TRAFFIC SIGNALS LEGEND

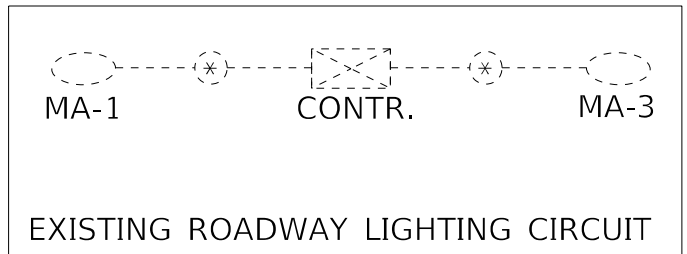
	EX. TRAFFIC SIGNAL CONTROLLER CABINET		EX. 3 SEC. SIGNAL HEAD WITH BACKPLATE		EX. 3/C NO. 14 SIGNAL CABLE
	EX. ELECTRIC SERVICE		EX. 3 SEC. SIGNAL HEAD WITHOUT BACKPLATE		EX. 5/C NO. 14 SIGNAL CABLE
	EX. GROUND/SAFETY BOND		EX. ROADWAY LUMINAIRE		EX. 7/C NO. 14 SIGNAL CABLE
	EX. EVP DETECTOR		EX. 1/C NO. 6 CABLE		EX. NO. 18 3-PR DETECTOR LOOP CABLE
	EX. DETECTOR LOOP				
	EX. QUADRAPOLE DETECTOR LOOP				

EXISTING PHASE DIAGRAM

NAME OF INTERSECTION IL 40 (KNOXVILLE AVE.) & DETWEILLER DR.
 EXISTING CONTROLLER: EX. ECONOLITE COBALT (TS-2 TYPE 2) IN EX. TYPE IV TS-2 CABINET (16 POS. LOAD BAY)



	EX. VEHICULAR MOVEMENT
	EX. PEDESTRIAN MOVEMENT
	FLASHING YELLOW ARROW
	* NUMBER REFERS TO ASSOCIATED PHASE



EXISTING ROADWAY LIGHTING CIRCUIT

NOT TO SCALE

MODEL: Default
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PLOT DATE = 2/4/2022	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

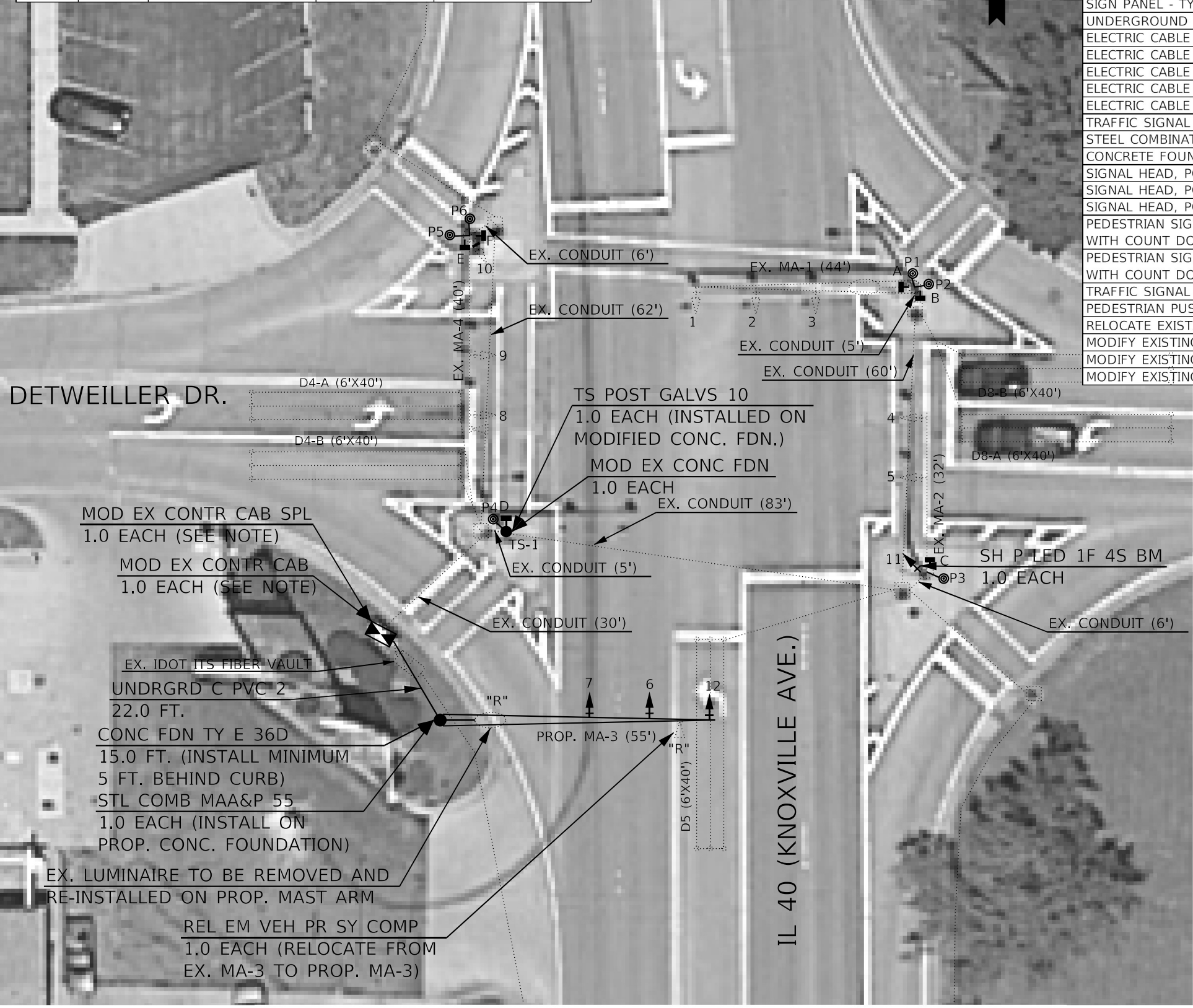
EXISTING CABLE & PHASE DIAGRAMS
 IL 40 (KNOXVILLE AVE.) & DETWEILLER DR. - PEORIA

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	22
CONTRACT NO. 68G74			ILLINOIS FED. AID PROJECT	

TRAFFIC SIGNAL HEAD SCHEDULE IL 40 & DETWEILLER				
PROP. QTY.	UNIT	ITEM	LOCATION	
			PROPOSED	EXISTING
2.0	EACH	SH P LED 1F 3S MAM	6,7	2,3,4,5,8,9
1.0	EACH	SH P LED 1F 4S BM	11	10
1.0	EACH	SH P LED 1F 4S MAM	12	1
5.0	EACH	TS BACKPLATE RET-REFL	6,7,10,11,12	1,2,3,4,5,8,9
2.0	EACH	PED SH P LED 1F BM CT	C,D	
2.0	EACH	PED SH P LED 2F BM CT	A/B, E/F	

BILL OF MATERIALS IL 40 & DETWEILLER		
ITEM DESCRIPTION	UNIT	QTY.
NON-SPECIAL WASTE DISPOSAL	CU YD	12.5
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 1	SQ FT	5.0
SIGN PANEL - TYPE 2	SQ FT	15.3
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	22.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	152.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	203.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	661.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	611.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	31.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2.0
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, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	5.0
PEDESTRIAN PUSH-BUTTON	EACH	6.0
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE	EACH	1.0
MODIFY EXISTING CONTROLLER CABINET	EACH	1.0
MODIFY EXISTING CONCRETE FOUNDATION	EACH	1.0
MODIFY EXISTING CONTROLLER CABINET, SPECIAL	EACH	1.0



- NOTES:**
1. THE CONTRACTOR SHALL INSTALL THE PROPOSED CONDUIT FROM MA-3 TO THE CONTROLLER CABINET USING ONE GALVANIZED STEEL TYPE LB CONDUIT BODY ATTACHED TO THE CONTROLLER CABINET. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL HARDWARE AND MATERIALS REQUIRED TO ATTACH AND WEATHERPROOF THE INSTALLATION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE PROPOSED CONDUIT.
 2. THE CONTRACTOR SHALL MODIFY THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET TO ACCOMMODATE THE INSTALLATION OF A PROTECTED-PERMISSIVE (FYA) LEFT TURN PHASE 1 FOR SB IL 40 TRAFFIC. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL REQUIRED FOR THE MODIFICATION, CONTROLLER PROGRAM CHANGES AND PROVIDE UPDATED REDLINE CABINET PRINTS TO THE DEPARTMENT. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR "MODIFY EXISTING CONTROLLER CABINET."
 3. THE CONTRACTOR SHALL MODIFY THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET TO ACCOMMODATE THE INSTALLATION OF PEDESTRIAN PHASES 2 & 6 FOR NB & SB IL 40 TRAFFIC. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL REQUIRED FOR THE MODIFICATION, CONTROLLER PROGRAM CHANGES AND PROVIDE UPDATED REDLINE CABINET PRINTS TO THE DEPARTMENT. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR "MODIFY EXISTING CONTROLLER CABINET, SPECIAL."
 4. THE CONTRACTOR SHALL RELOCATE THE EXISTING LUMINAIRE FROM THE EXISTING MA-3 TO THE PROPOSED MA-3. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW POLE WIRING, SURGE ARRESTOR, FUSE HOLDERS, AND FUSES. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE PROPOSED MAST ARM.
 5. THE CONTRACTOR SHALL MODIFY THE CONCRETE FOUNDATION IN THE SOUTHWEST CORNER ISLAND IN ORDER TO INSTALL THE PROPOSED TRAFFIC SIGNAL POST TS-1 IN THE PLACE OF THE REMOVED MAST ARM MA-3.
 6. THE CONTRACTOR SHALL RELOCATE THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM FROM THE EXISTING MA-3 TO THE PROPOSED MA-3. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW WIRING AS NEEDED AND SHALL RE-USE EXISTING HARDWARE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE."

LEGEND	
	EX. TS CONTROLLER CABINET
	EX. DOUBLE HANDHOLE
	EX. HANDHOLE
	EX. SIGNAL HEAD (WITH BACKPLATE)
	EX. SIGNAL HEAD (WITHOUT BACKPLATE)
	EX. MAST ARM ASSEMBLY AND POLE
	EX. COMBINATION MAST ARM ASSEMBLY AND POLE
	EX. TRAFFIC SIGNAL POST
	EX. LUMINAIRE
	EX. QUADRAPOLE DETECTOR
	EX. CONDUIT
	PROP. TRAFFIC SIGNAL CABINET
	PROP. SIGNAL HEAD WITH BACKPLATE
	PROP. BACKPLATE ON EX. SIGNAL HEAD
	PROP. COMBINATION MAST ARM ASSEMBLY AND POLE
	PROP. TRAFFIC SIGNAL POST
	PROP. LED LUMINAIRE
	PROP. CONDUIT

NOT TO SCALE

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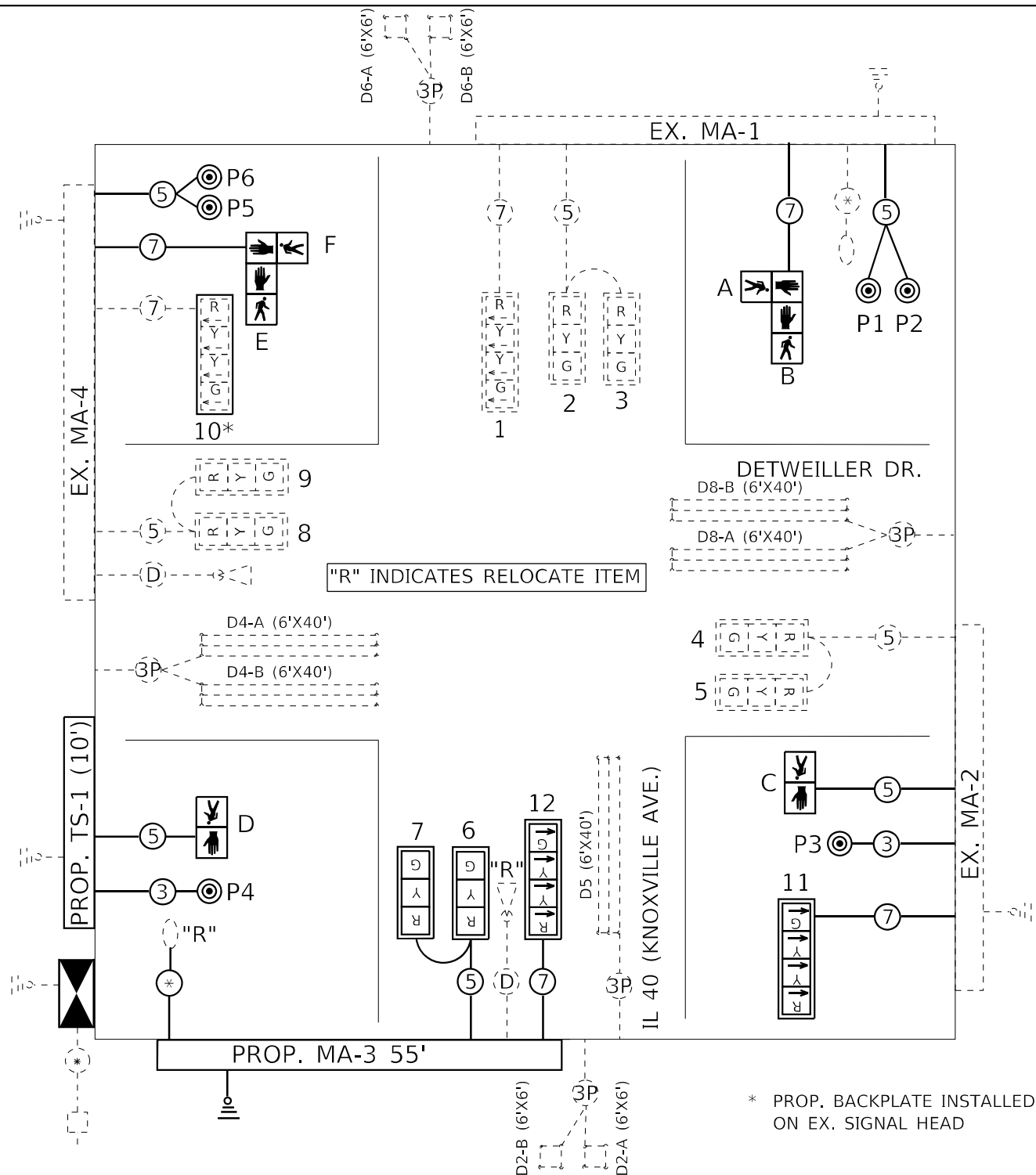
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL PLANS
IL 40 (KNOXVILLE AVE.) & DETWEILLER DR. - PEORIA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	23
CONTRACT NO. 68G74				
ILLINOIS / FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



"R" INDICATES RELOCATE ITEM

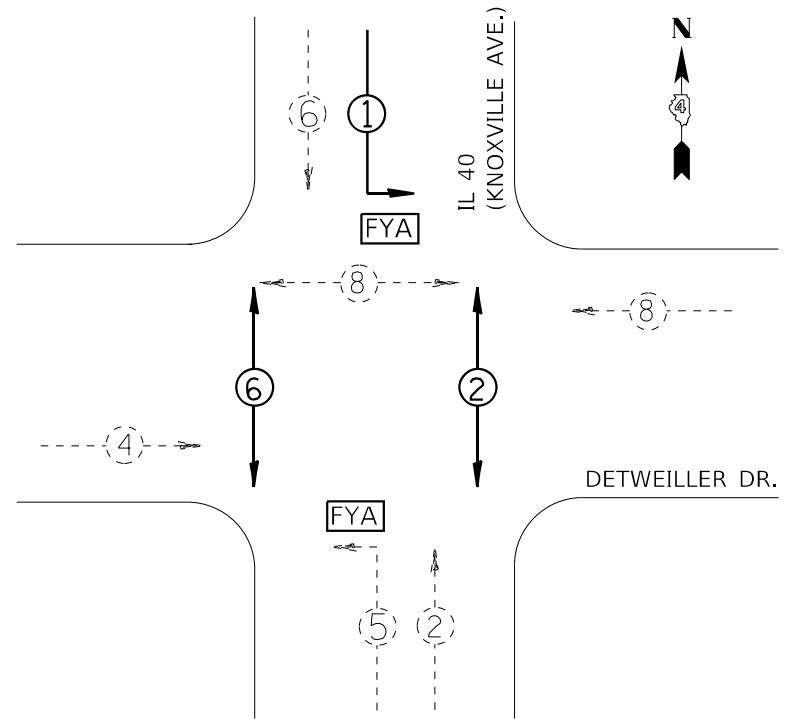
* PROP. BACKPLATE INSTALLED ON EX. SIGNAL HEAD

TRAFFIC SIGNALS LEGEND

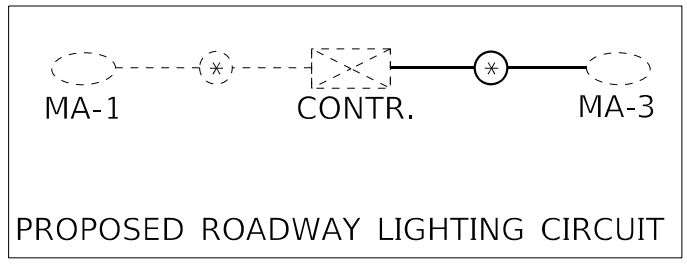
- | | | | | | |
|--|--|--|---|--|-------------------------------------|
| | PROP. MODIFIED TRAFFIC SIGNAL CONTROLLER CABINET | | EX. 3 SEC. SIGNAL HEAD WITH BACKPLATE | | EX. 3/C NO. 14 SIGNAL CABLE |
| | EX. ELECTRIC SERVICE | | EX. 3 SEC. SIGNAL HEAD WITHOUT BACKPLATE | | EX. 5/C NO. 14 SIGNAL CABLE |
| | EX. GROUND/SAFETY BOND | | PROP. 3 SEC. SIGNAL HEAD WITH PROP. RETROREFLECTIVE BACKPLATE | | EX. 7/C NO. 14 SIGNAL CABLE |
| | PROP. GROUND/SAFETY BOND | | EX. 1/C NO. 6 CABLE | | EX. NO. 18 3-PR DETECTOR LOOP CABLE |
| | EX. ROADWAY LUMINAIRE | | PROP. 5/C NO. 14 SIGNAL CABLE | | EX. 1/C NO. 6 CABLE |
| | EX. DETECTOR LOOP | | PROP. 7/C NO. 14 SIGNAL CABLE | | EX. NO. 18 3-PR DETECTOR LOOP CABLE |
| | EX. QUADRAPOLE DETECTOR LOOP | | PROP. 1/C NO. 6 CABLE | | |
| | | | EX. EVP DETECTOR CABLE | | |
| | | | EX. EVP DETECTOR | | |

PROPOSED PHASE DIAGRAM

NAME OF INTERSECTION IL 40 (KNOXVILLE AVE.) & DETWEILLER DR.
 PROPOSED CONTROLLER: EX. ECONOLITE COBALT (TS-2 TYPE 2) IN EX. TYPE IV TS-2 CABINET (16 POS. LOAD BAY) W/ PROP. MODIFICATION FOR PHASE 1 FYA



- | | |
|---|-----------------------------------|
| | PROP. VEHICULAR MOVEMENT |
| | EX. VEHICULAR MOVEMENT |
| | PROP. PEDESTRIAN MOVEMENT |
| | EX. PEDESTRIAN MOVEMENT |
| | FLASHING YELLOW ARROW |
| * | NUMBER REFERS TO ASSOCIATED PHASE |



PROPOSED ROADWAY LIGHTING CIRCUIT

NOT TO SCALE

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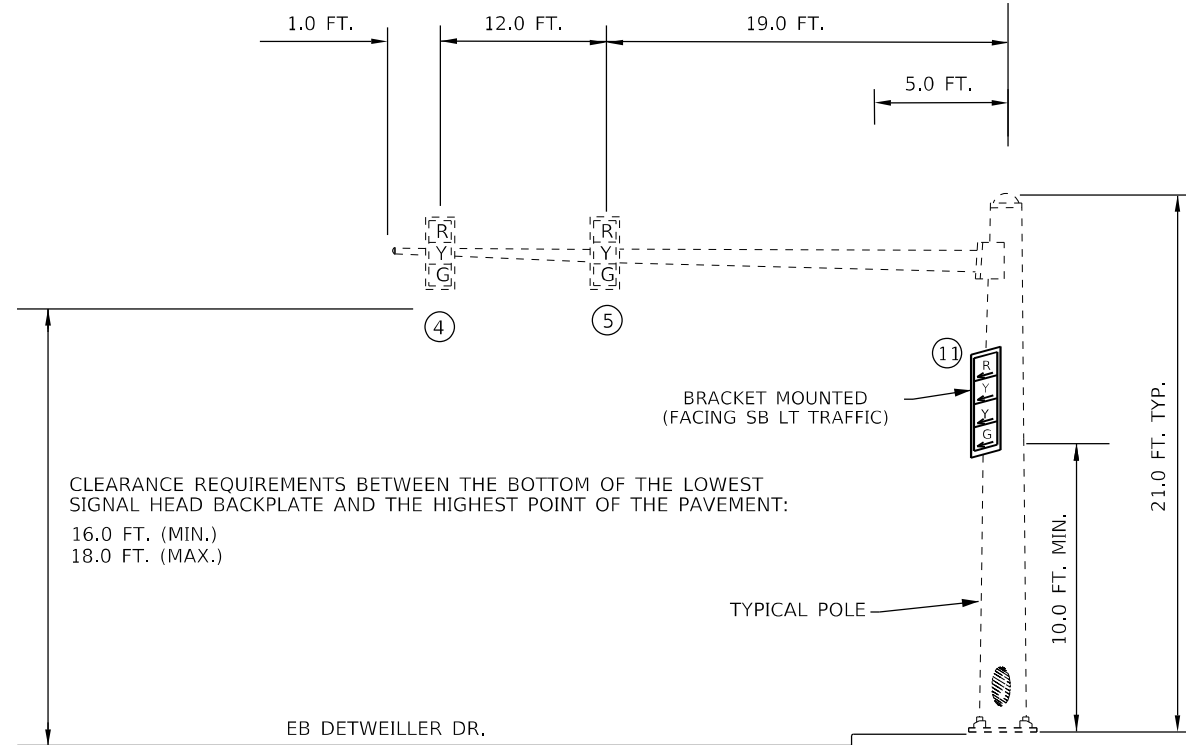
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CABLE & PHASE DIAGRAMS
IL 40 (KNOXVILLE AVE.) & DETWEILLER DR. - PEORIA

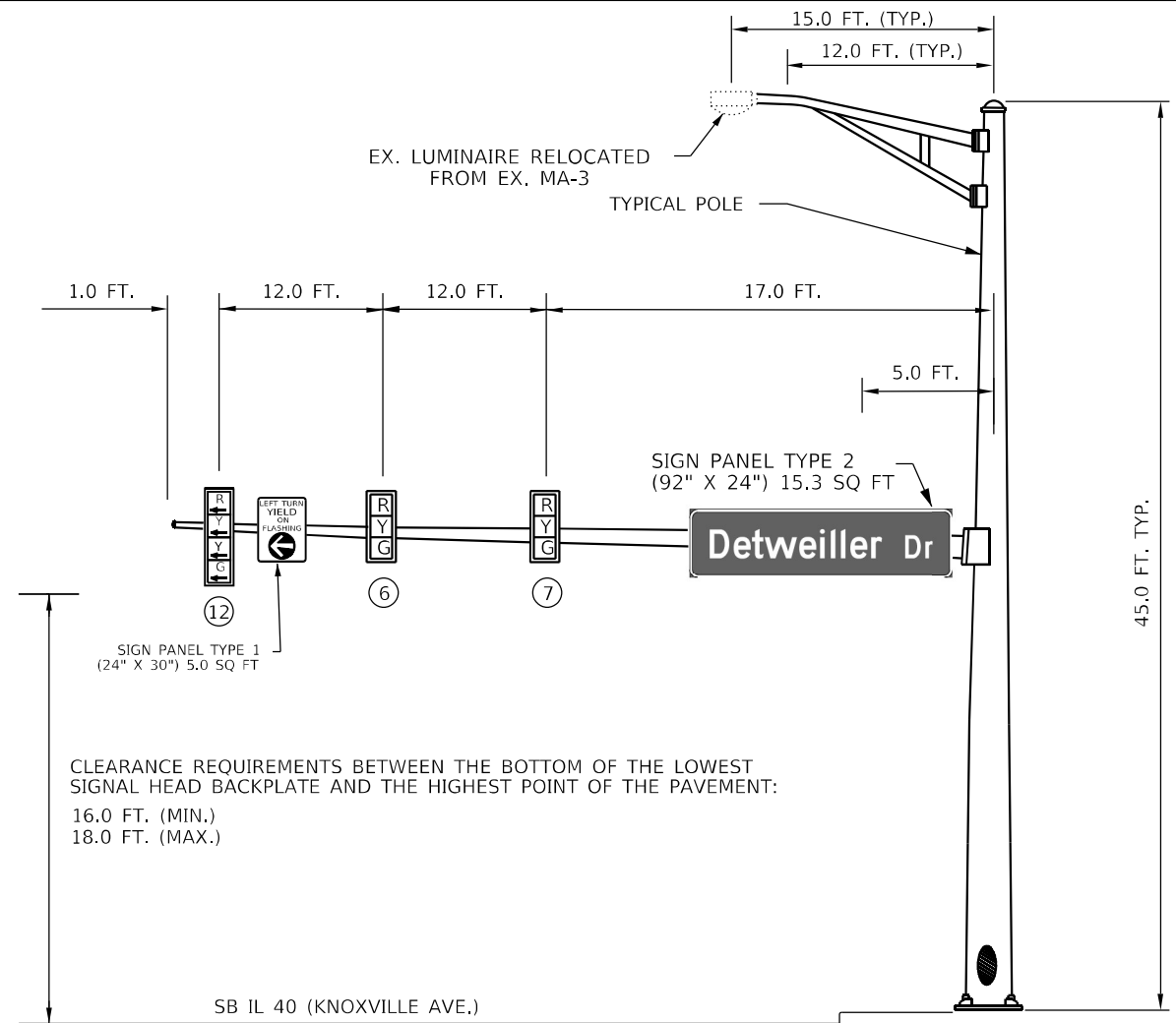
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			CONTRACT NO. 68G74	
ILLINOIS FED. AID PROJECT				



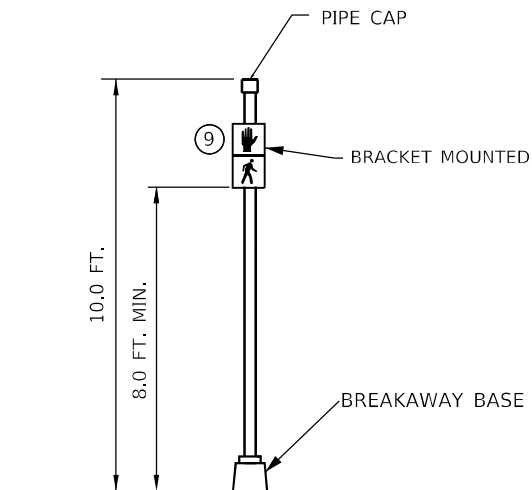
EASTBOUND TRAFFIC SIGNAL
SOUTHWEST QUADRANT

EX. MA-2 32'

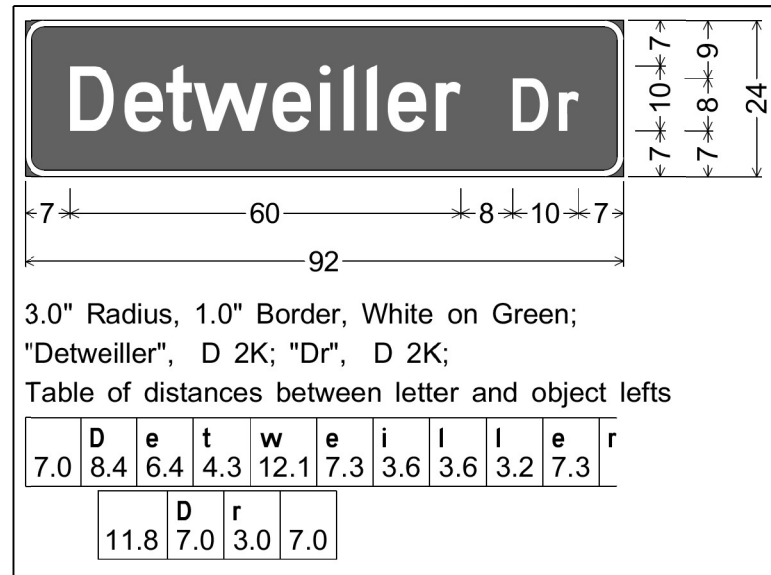


SOUTHBOUND TRAFFIC SIGNAL
SOUTHWEST QUADRANT

PROP. MA-3 55'



PROP. TS-1 10'
SOUTHBOUND TRAFFIC SIGNAL
INSTALLED ON MODIFIED CONCRETE
FOUNDATION IN SW CORNER ISLAND



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.

NOT TO SCALE

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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED MAST ARM AND TRAFFIC SIGNAL POST DETAILS
IL 40 (KNOXVILLE AVE.) & DETWEILLER DR. - PEORIA

SCALE: SHEET OF SHEETS STA. TO STA.

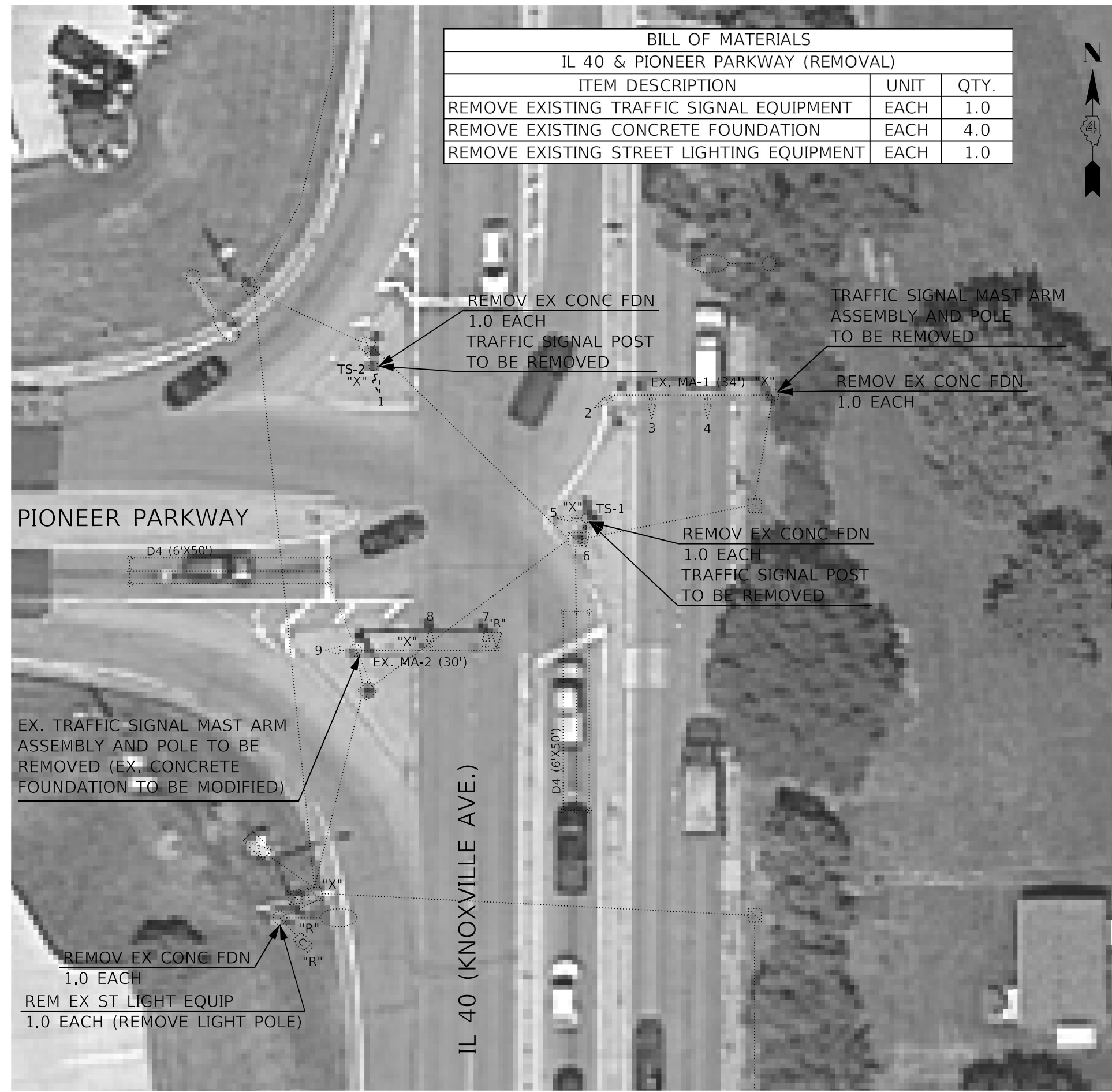
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	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	25
			CONTRACT NO. 68G74	
		ILLINOIS FED. AID PROJECT		

BILL OF MATERIALS		
IL 40 & PIONEER PARKWAY (REMOVAL)		
ITEM DESCRIPTION	UNIT	QTY.
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4.0
REMOVE EXISTING STREET LIGHTING EQUIPMENT	EACH	1.0



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - QTY. 1.0 EACH (INCLUDES ALL ITEMS LISTED BELOW)	
THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY:	
QTY.	ITEM DESCRIPTION
4.0	SIGNAL HEAD, BRACKET MOUNTED (SIGNAL HEADS 1,5,6,9)
5.0	SIGNAL HEAD, MAST ARM MOUNTED (SIGNAL HEADS 2,3,4,7,8)
2.0	STEEL MAST ARM ASSEMBLY AND POLE (MA-1, MA-2)
2.0	TRAFFIC SIGNAL POST (TS-1, TS-2)
ALL	ELECTRICAL CABLE NOT USED IN PROPOSED PLANS

REMOVE EXISTING STREET LIGHTING EQUIPMENT - QTY. 1.0 EACH (INCLUDES ALL ITEMS LISTED BELOW)	
THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY:	
QTY.	ITEM DESCRIPTION
1.0	LIGHT POLE (LUMINAIRE TO BE RELOCATED TO PROP. MA-2)
ALL	ELECTRICAL CABLE NOT USED IN PROPOSED PLANS



"X" INDICATES REMOVAL ITEM
"R" INDICATES RELOCATE ITEM

LEGEND	
	EX. TS CONTROLLER CABINET
	EX. DOUBLE HANDHOLE
	EX. HANDHOLE
	EX. SIGNAL HEAD (WITH BACKPLATE)
	EX. SIGNAL HEAD (WITHOUT BACKPLATE)
	EX. MAST ARM ASSEMBLY AND POLE
	EX. LIGHT POLE
	EX. TRAFFIC SIGNAL POST
	EX. LUMINAIRE
	EX. CONDUIT
	EX. CCTV CAMERA
	EX. LIGHTING CONTROLLER
	EX. EVP DETECTOR

NOT TO SCALE

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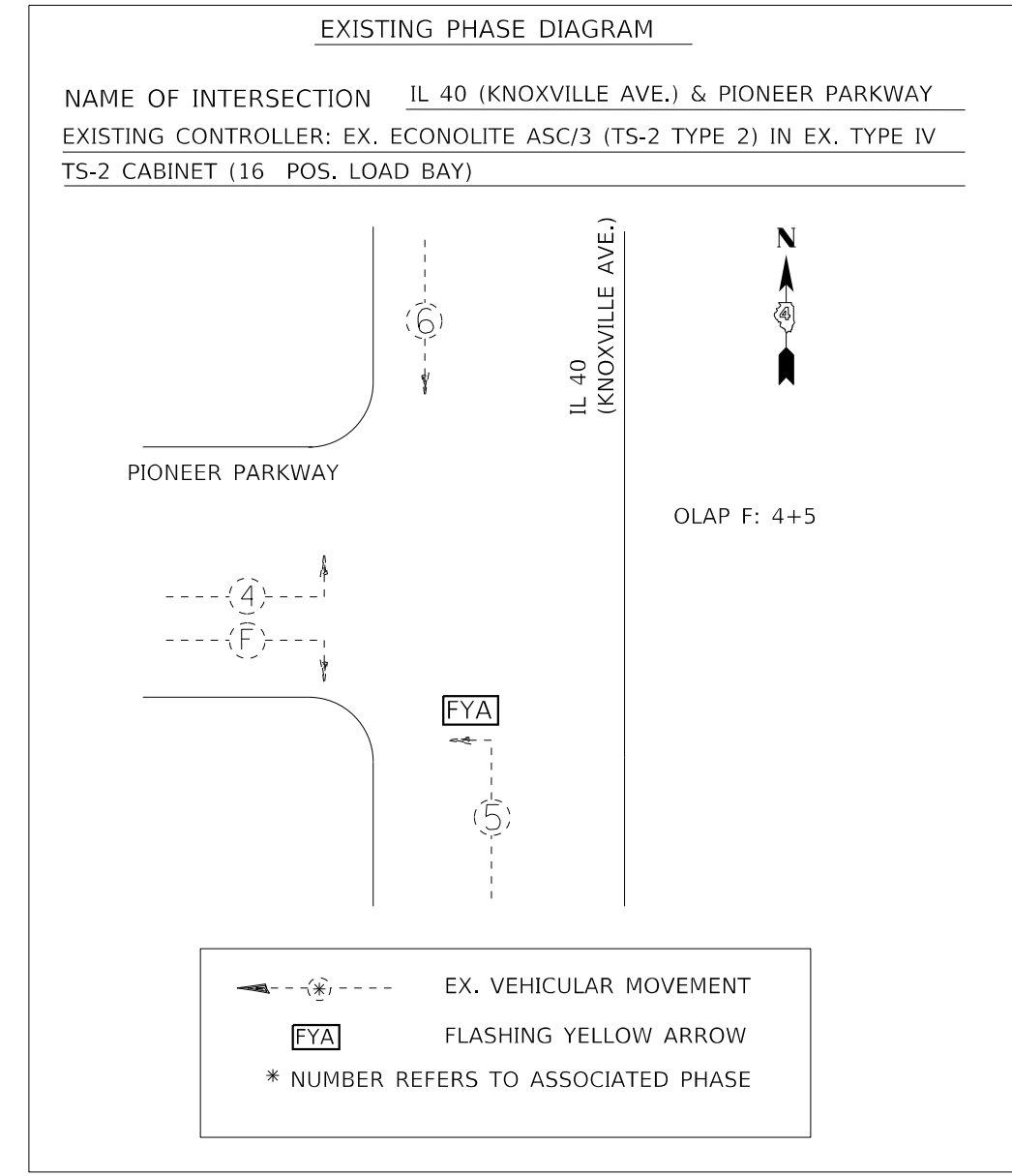
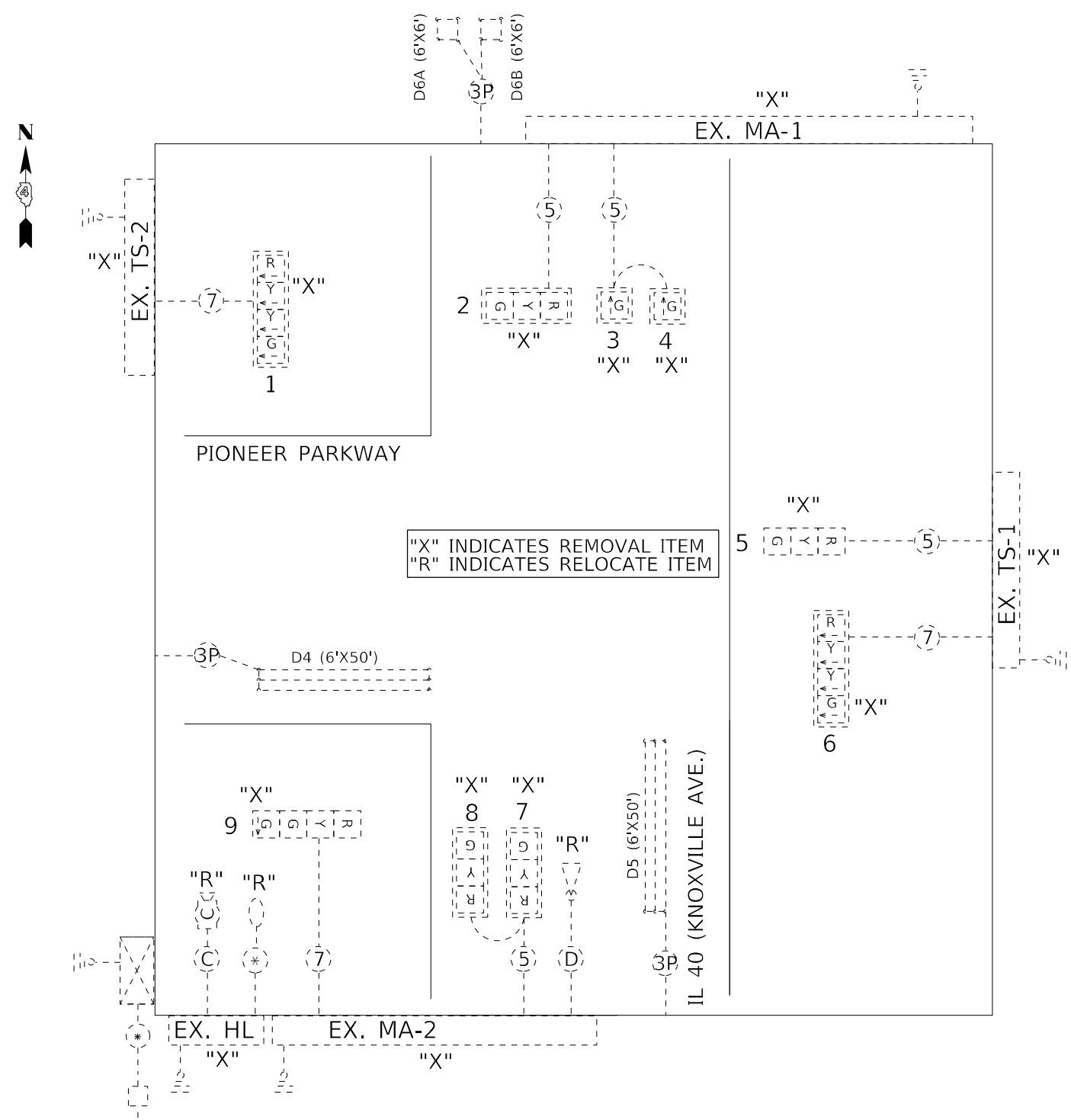
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL PLANS & REMOVAL ITEMS
IL 40 (KNOXVILLE AVE.) & PIONEER PARKWAY - PEORIA

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	26
			CONTRACT NO. 68G74	
ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNALS LEGEND

<p> EX. TRAFFIC SIGNAL CONTROLLER CABINET</p> <p> EX. ELECTRIC SERVICE</p> <p> EX. GROUND/SAFETY BOND</p> <p> EX. EVP DETECTOR</p> <p> EX. DETECTOR LOOP</p> <p> EX. QUADRAPOLE DETECTOR LOOP</p>	<p> EX. 3 SEC. SIGNAL HEAD WITH BACKPLATE</p> <p> EX. 3 SEC. SIGNAL HEAD WITHOUT BACKPLATE</p> <p> EX. ROADWAY LUMINAIRE</p> <p> EX. EVP DETECTOR CABLE</p> <p> EX. CCTV CAMERA</p>	<p> EX. 3/C NO. 14 SIGNAL CABLE</p> <p> EX. 5/C NO. 14 SIGNAL CABLE</p> <p> EX. 7/C NO. 14 SIGNAL CABLE</p> <p> EX. 1/C NO. 6 CABLE</p> <p> EX. NO. 18 3-PR DETECTOR LOOP CABLE</p> <p> EX. CAT 5 ETHERNET CABLE</p>
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NOT TO SCALE

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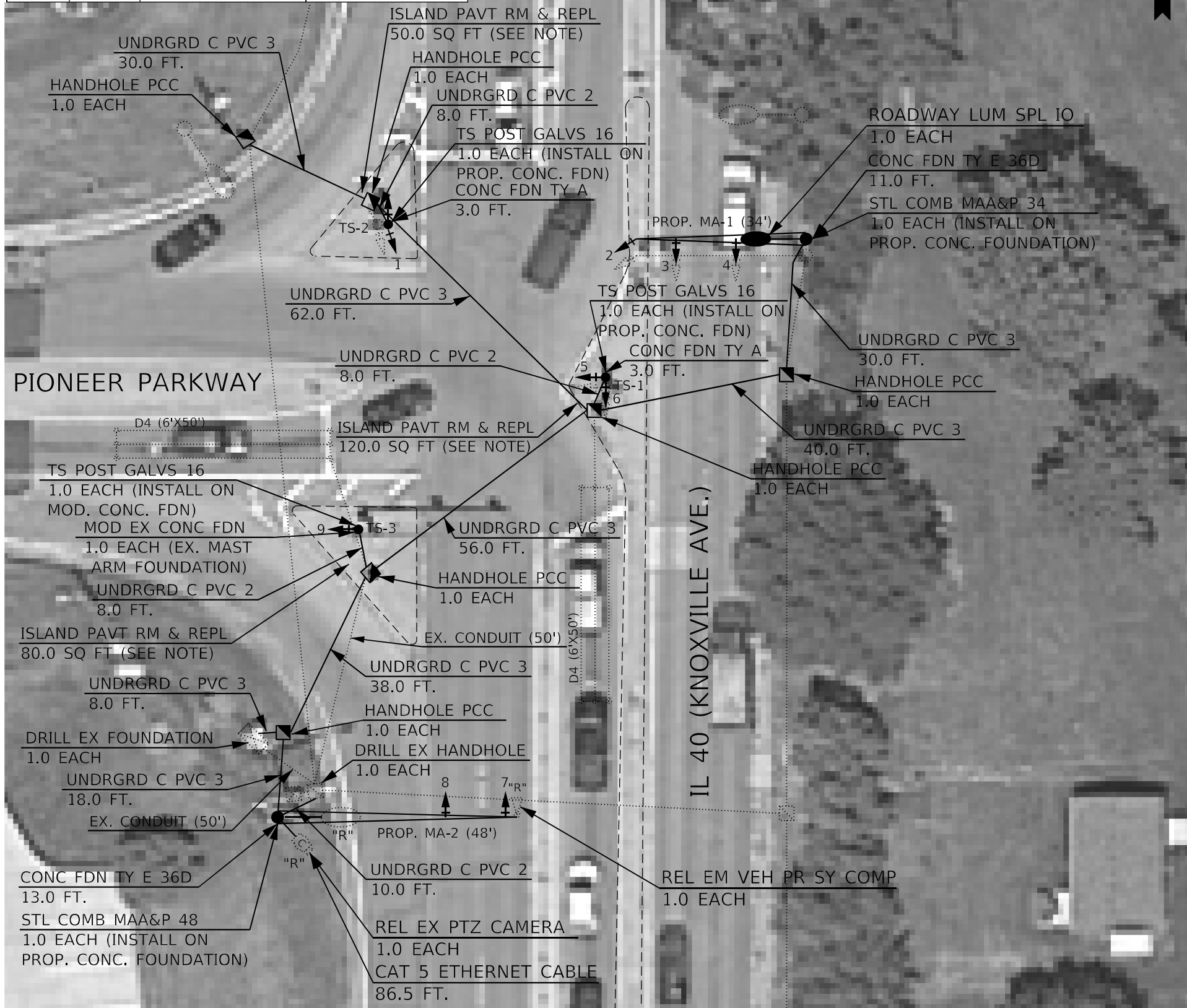
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING CABLE & PHASE DIAGRAMS
IL 40 (KNOXVILLE AVE.) & PIONEER PARKWAY - PEORIA**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	27
			CONTRACT NO. 68G74	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL HEAD SCHEDULE			
IL 40 (KNOXVILLE) & PIONEER PARKWAY			
PROP. QTY.	UNIT	ITEM	LOCATION PROPOSED
2.0	EACH	SH P LED 1F 1S MAM	3,4
1.0	EACH	SH P LED 1F 3S BM	5
3.0	EACH	SH P LED 1F 3S MAM	2,7,8
3.0	EACH	SH P LED 1F 4S BM	1,6,9
9.0	EACH	TS BACKPLATE RET-REFL	1,2,3,4,5,6,7,8,9



BILL OF MATERIALS		
IL 40 (KNOXVILLE) & PIONEER PARKWAY		
ITEM DESCRIPTION	UNIT	QTY.
NON-SPECIAL WASTE DISPOSAL	CU YD	25.0
SOIL DISPOSAL ANALYSIS	EACH	1.0
REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	0.6
REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	0.6
REGULATED SUBSTANCES MONITORING	CAL DA	1.0
SIGN PANEL - TYPE 1	SQ FT	5.0
SIGN PANEL - TYPE 2	SQ FT	56.3
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	34.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	282.0
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	6.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	667.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	261.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	533.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	460.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	448.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE A	FOOT	6.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	24.0
DRILL EXISTING FOUNDATION	EACH	1.0
DRILL EXISTING HANDHOLE	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, MAST-ARM MOUNTED	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	9.0
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE	EACH	1.0
MODIFY EXISTING CONCRETE FOUNDATION	EACH	1.0
CAT 5 ETHERNET CABLE	FOOT	86.5
ROADWAY LUMINAIRE, SPECIAL (INSTALL ONLY)	EACH	1.0
RELOCATE EXISTING PTZ CAMERA	EACH	1.0
ISLAND PAVEMENT REMOVAL AND REPLACEMENT	SQ FT	250.0

NOTES:

1. THE CONTRACTOR SHALL RELOCATE THE EXISTING LUMINAIRE FROM THE EXISTING LIGHT POLE TO THE PROPOSED MA-2. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW SURGE ARRESTOR, FUSE HOLDERS, AND FUSES. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE PROPOSED MAST ARM.
2. THE CONTRACTOR SHALL MODIFY THE CONCRETE FOUNDATION IN THE SOUTHWEST CORNER ISLAND IN ORDER TO INSTALL THE PROPOSED TRAFFIC SIGNAL POST TS-3 IN THE PLACE OF THE REMOVED MAST ARM MA-2.

LEGEND

	EX. TS CONTROLLER CABINET		PROP. TS CONTROLLER CABINET
	EX. DOUBLE HANDHOLE		PROP. HANDHOLE
	EX. HANDHOLE		PROP. SIGNAL HEAD (WITH BACKPLATE)
	EX. SIGNAL HEAD (WITH BACKPLATE)		PROP. COMBINATION MAST ARM ASSEMBLY AND POLE
	EX. SIGNAL HEAD (WITHOUT BACKPLATE)		PROP. TRAFFIC SIGNAL POST
	EX. MAST ARM ASSEMBLY AND POLE		PROP. PEDESTRIAN SIGNAL HEAD
	EX. LIGHT POLE		PROP. PEDESTRIAN PUSHBUTTON
	EX. TRAFFIC SIGNAL POST		PROP. LED LUMINAIRE
	EX. LUMINAIRE		
	EX. CONDUIT		
	EX. CCTV CAMERA		
	EX. LIGHTING CONTROLLER		

NOT TO SCALE

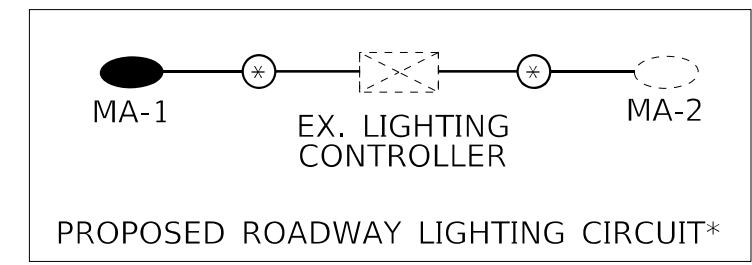
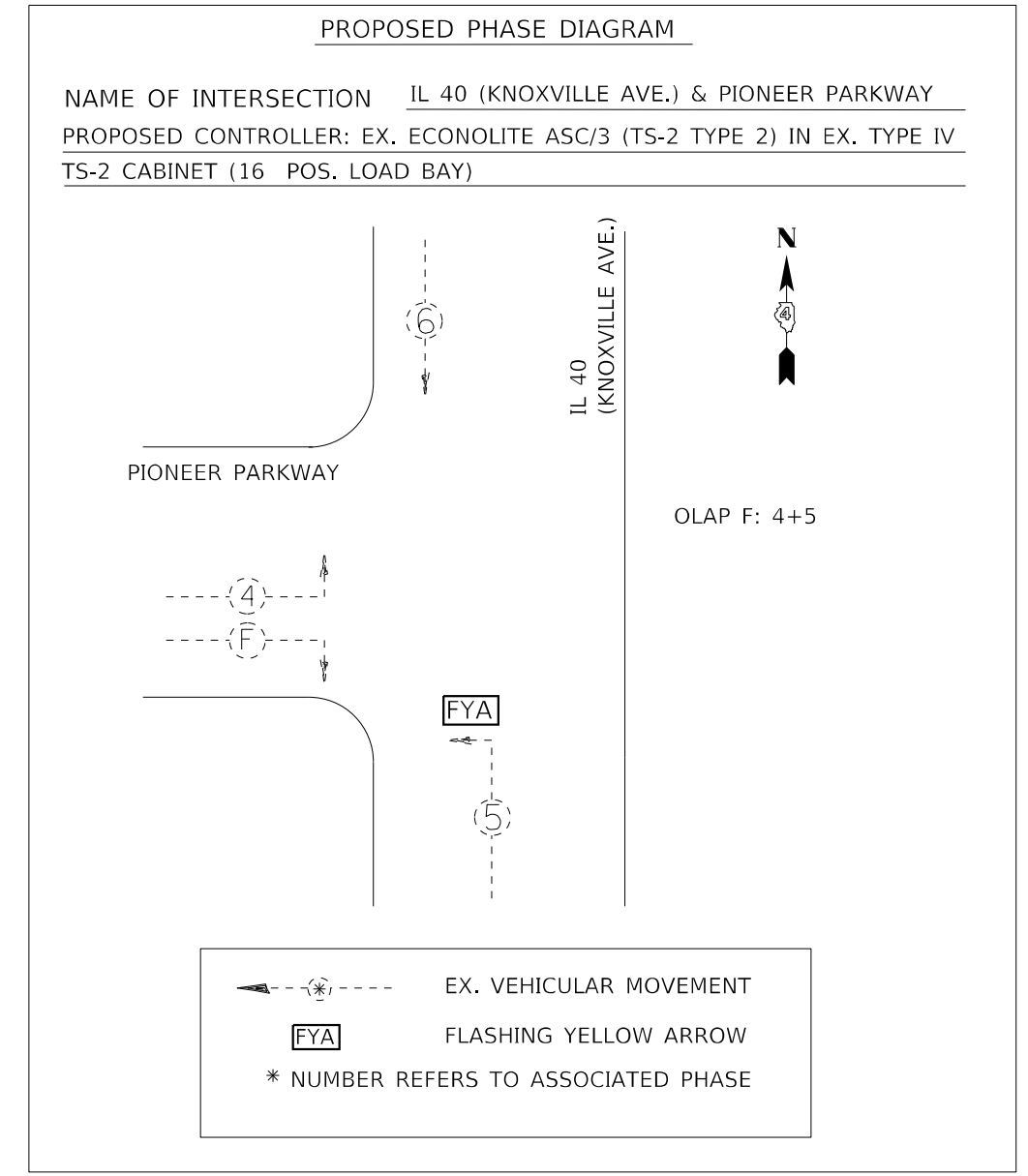
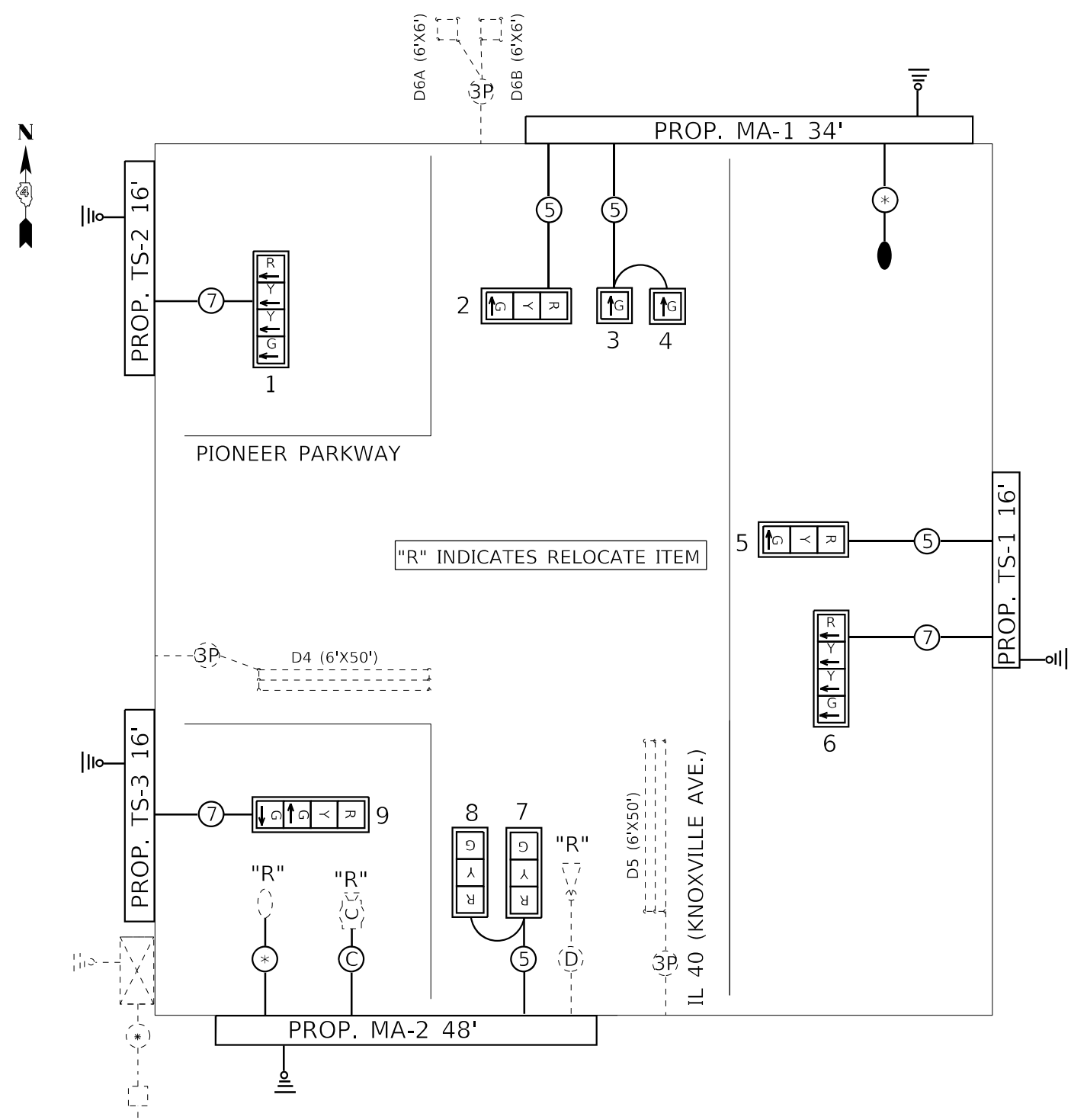
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USER NAME = hansonj	DESIGNED -	REVISED 03-16-22 TJH
	DRAWN -	REVISED -
PLOT SCALE = 23,8272 */ in.	CHECKED -	REVISED -
PLOT DATE = 3/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL PLANS				
IL 40 (KNOXVILLE AVE.) & PIONEER PARKWAY - PEORIA				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	28
			CONTRACT NO. 68G74	
		ILLINOIS FED. AID PROJECT		



* THE CONTRACTOR SHALL INTEGRATE THE ROADWAY LUMINAIRES INSTALLED ON MA-1 AND MA-2 INTO THE EXISTING ROADWAY LIGHTING CIRCUIT CONTROLLED BY THE EXISTING LIGHTING CONTROLLER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE PROPOSED ROADWAY LUMINAIRE, SPECIAL (INSTALL ONLY.)

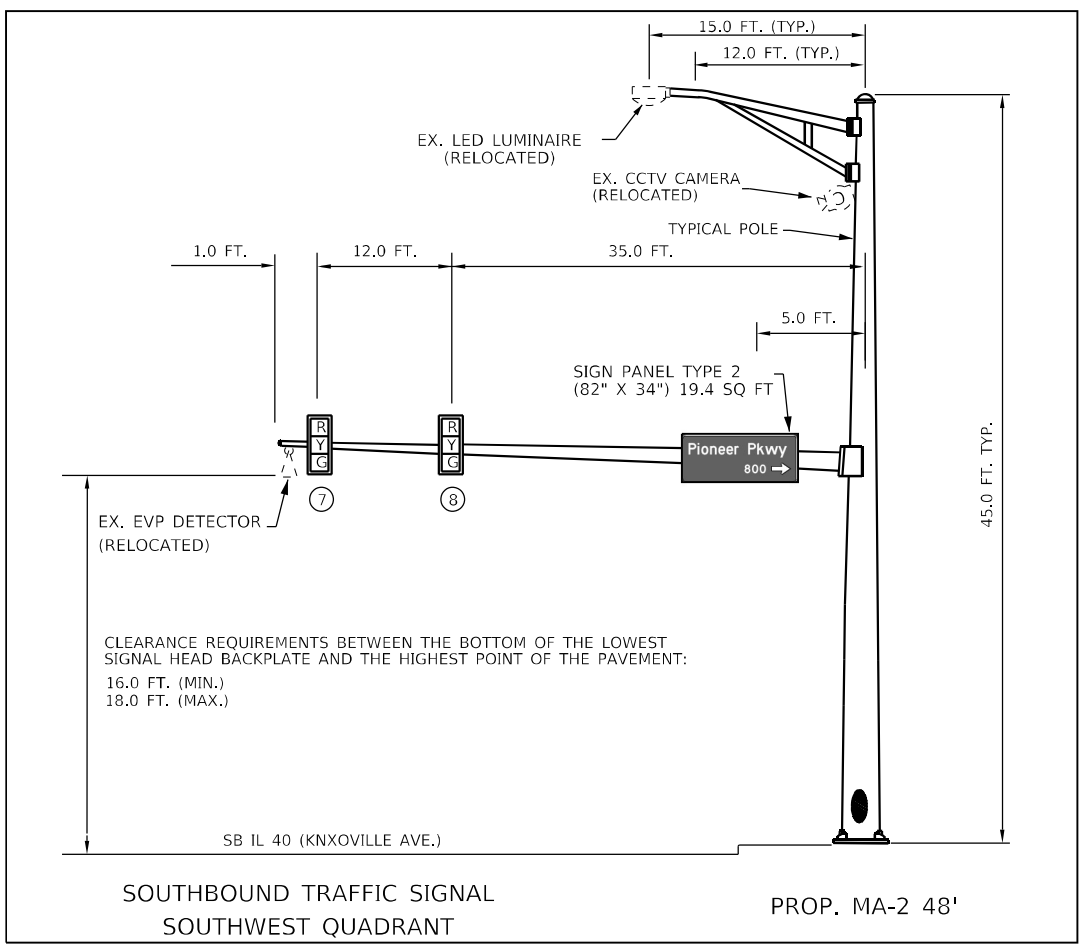
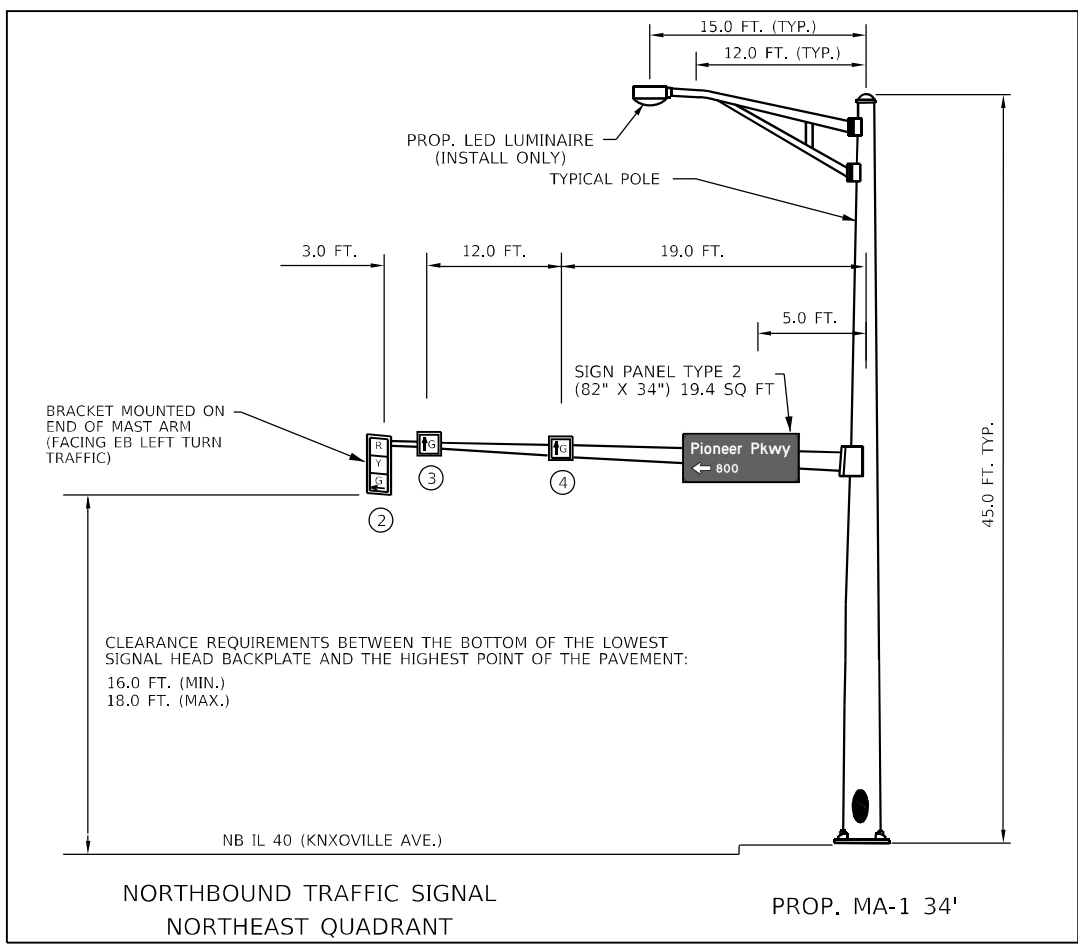
NOT TO SCALE

TRAFFIC SIGNALS LEGEND

- | | | |
|--|---|---|
| <ul style="list-style-type: none"> EX. TRAFFIC SIGNAL CONTROLLER CABINET EX. ELECTRIC SERVICE EX. GROUND/SAFETY BOND EX. EVP DETECTOR EX. DETECTOR LOOP EX. QUADRAPOLE DETECTOR LOOP | <ul style="list-style-type: none"> PROP. 3 SEC. SIGNAL HEAD WITH BACKPLATE EX. 3 SEC. SIGNAL HEAD WITHOUT BACKPLATE EX. ROADWAY LUMINAIRE PROP. ROADWAY LUMINAIRE (INSTALL ONLY) EX. EVP DETECTOR CABLE EX. CCTV CAMERA | <ul style="list-style-type: none"> PROP. 5/C NO. 14 SIGNAL CABLE PROP. 7/C NO. 14 SIGNAL CABLE PROP. 1/C NO. 6 CABLE EX. 1/C NO. 6 CABLE EX. NO. 18 3-PR DETECTOR LOOP CABLE PROP. CAT 5 ETHERNET CABLE |
|--|---|---|

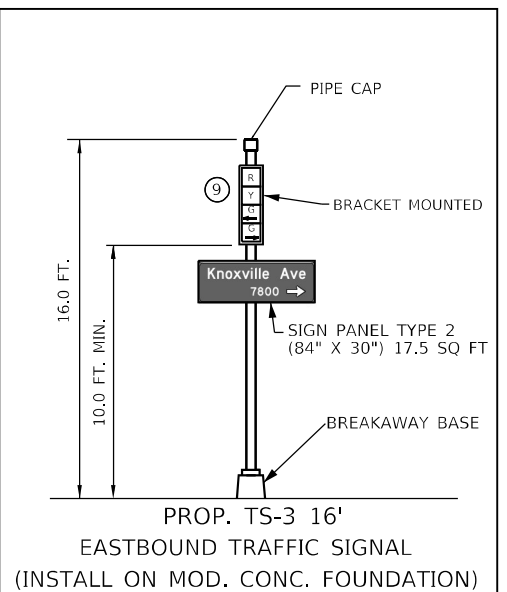
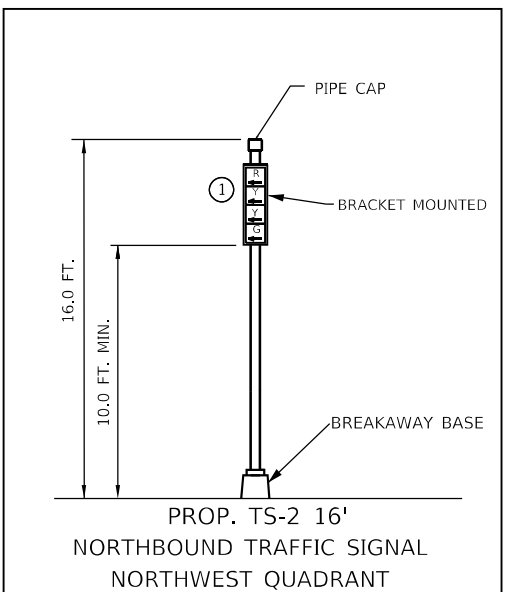
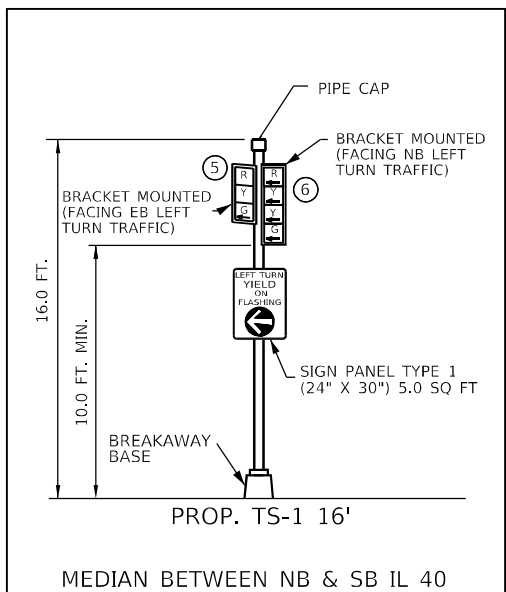
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USER NAME = hansonj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CABLE & PHASE DIAGRAMS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN -	REVISED -		IL 40 (KNOXVILLE AVE.) & PIONEER PARKWAY - PEORIA		VAR.	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	29	
PLOT SCALE = 23,8272' / in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 68G74
PLOT DATE = 2/4/2022	DATE -	REVISED -								ILLINOIS FED. AID PROJECT	



3.0" Radius, 1.0" Border, White on Green;
 "Knoxville Ave", D 2K; "7800", D 2K;
 Standard Arrow Custom 13.4" X 8.1" 0°;
 Table of distances between letter and object lefts

K	n	o	x	v	i	l	e	
6.8	6.8	5.9	5.4	6.4	6.6	2.9	2.9	2.5
	12.8	A	v	e				
		7.2	6.3	4.7	6.8			
	7	8	0	0	→			
37.7	5.1	5.3	5.5	10.2	13.4	6.8		



3.0" Radius, 1.0" Border, White on Green;
 "Pioneer", D 2K; "Pkwy", D 2K;
 Standard Arrow Custom 13.4" X 8.1" 180°;
 "800", D 2K;
 Table of distances between letter and object lefts

P	i	o	n	e	e	r	
6.4	6.4	2.6	6.2	5.9	5.5	5.8	
		P	k	w	y		
		9.6	6.5	5.4	9.4	6.0	6.3
	6.4	←	8	0	0		
			17.3	5.3	5.5	4.2	43.3

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

P	i	o	n	e	e	r	
5.1	6.4	2.6	6.2	5.9	5.5	5.8	
		P	k	w	y		
		9.6	6.5	5.4	9.4	6.0	7.6
	8	0	0	→			
44.6	5.3	5.4	8.3	13.3	5.1		

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.

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	DRAWN -	REVISED -
PLOT SCALE = 23,8272' = 1"	CHECKED -	REVISED -
PLOT DATE = 2/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED MAST ARM AND TRAFFIC SIGNAL POST DETAILS
 IL 40 (KNOXVILLE AVE.) & PIONEER PARKWAY - PEORIA**

SCALE: SHEET OF SHEETS STA. TO STA.

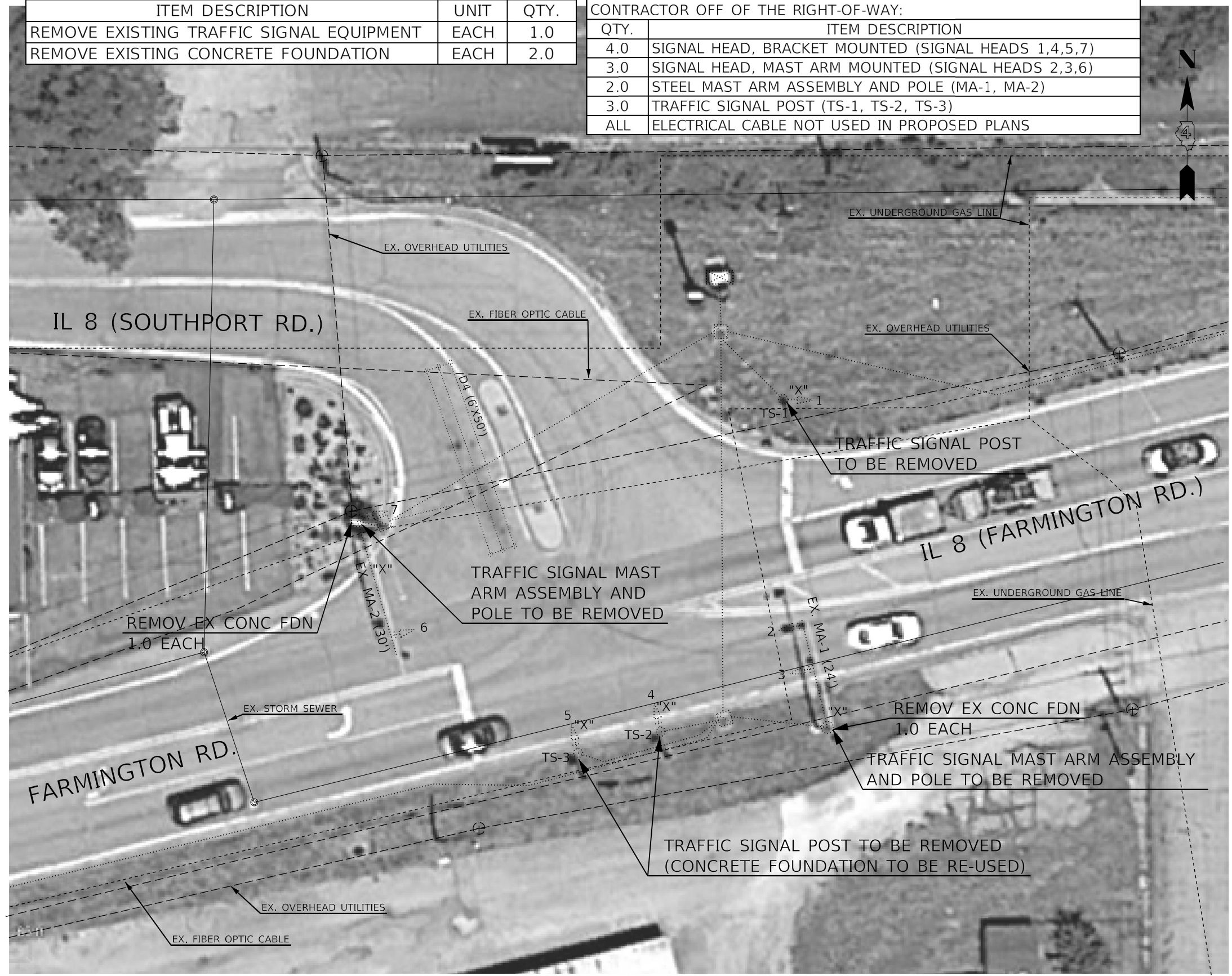
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	30
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 68G74

NOT TO SCALE

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

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - QTY. 1.0 EACH (INCLUDES ALL ITEMS LISTED BELOW)	
THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY:	
QTY.	ITEM DESCRIPTION
4.0	SIGNAL HEAD, BRACKET MOUNTED (SIGNAL HEADS 1,4,5,7)
3.0	SIGNAL HEAD, MAST ARM MOUNTED (SIGNAL HEADS 2,3,6)
2.0	STEEL MAST ARM ASSEMBLY AND POLE (MA-1, MA-2)
3.0	TRAFFIC SIGNAL POST (TS-1, TS-2, TS-3)
ALL	ELECTRICAL CABLE NOT USED IN PROPOSED PLANS



NOTES:
 1. THE CONCRETE FOUNDATIONS FOR TS-2 AND TS-3 SHALL REMAIN IN PLACE AND BE RE-USED FOR THE PROPOSED TS-2 AND TS-3.

"X" INDICATES REMOVAL ITEM

LEGEND	
	EX. TS CONTROLLER CABINET
	EX. HANDHOLE
	EX. SIGNAL HEAD (WITH BACKPLATE)
	EX. SIGNAL HEAD (WITHOUT BACKPLATE)
	EX. MAST ARM ASSEMBLY AND POLE
	EX. TRAFFIC SIGNAL POST
	EX. CONDUIT
	EX. OVERHEAD UTILITIES
	EX. WOOD UTILITY POLE
	EX. QUADRAPOLE DETECTOR LOOP

NOT TO SCALE

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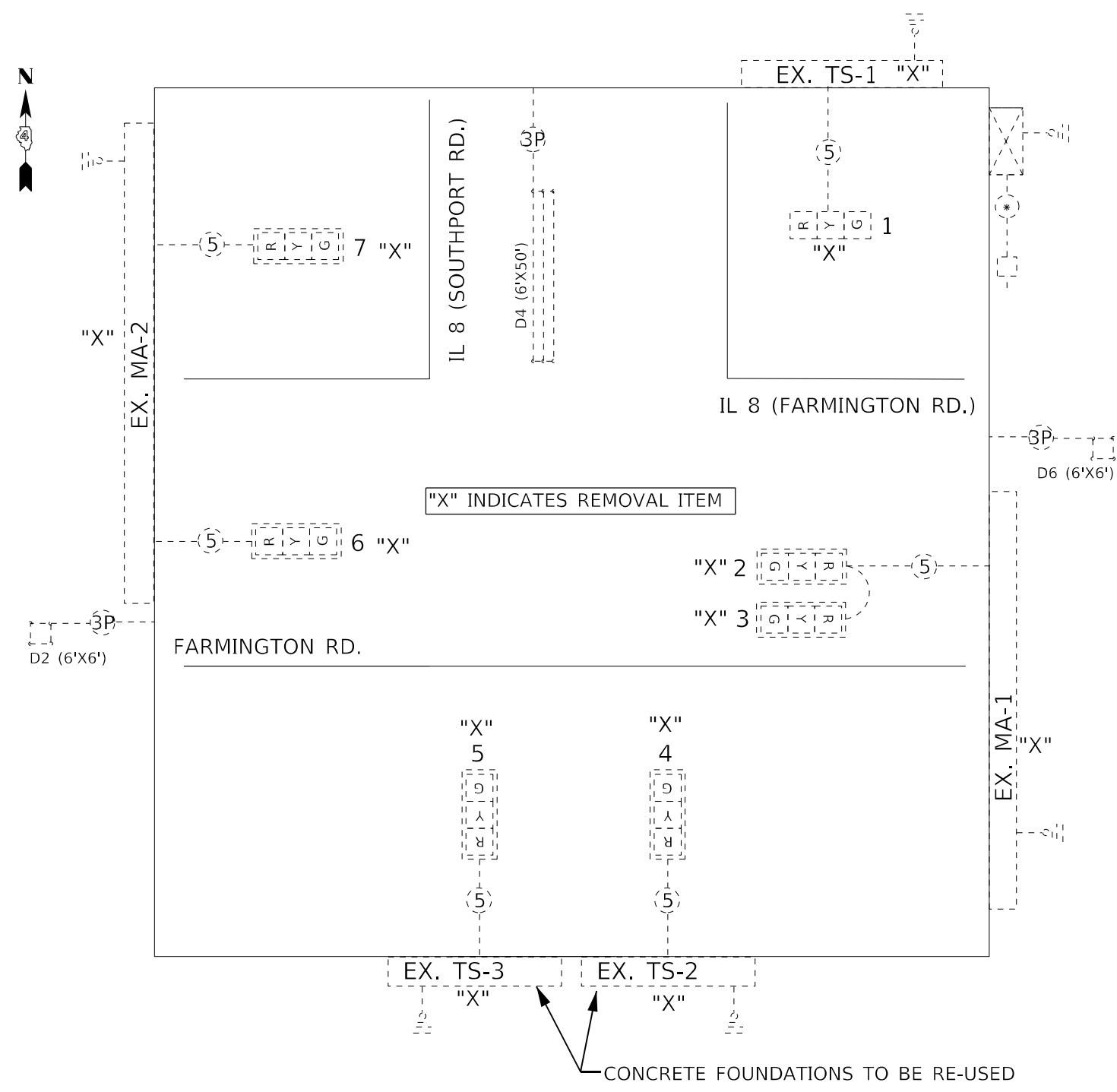
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PLOT DATE = 2/4/2022	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL PLANS & REMOVAL ITEMS
 IL 8 (SOUTHPORT RD.) & IL 8 (FARMINGTON RD.) - WEST PEORIA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	31
CONTRACT NO. 68G74				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



"X" INDICATES REMOVAL ITEM

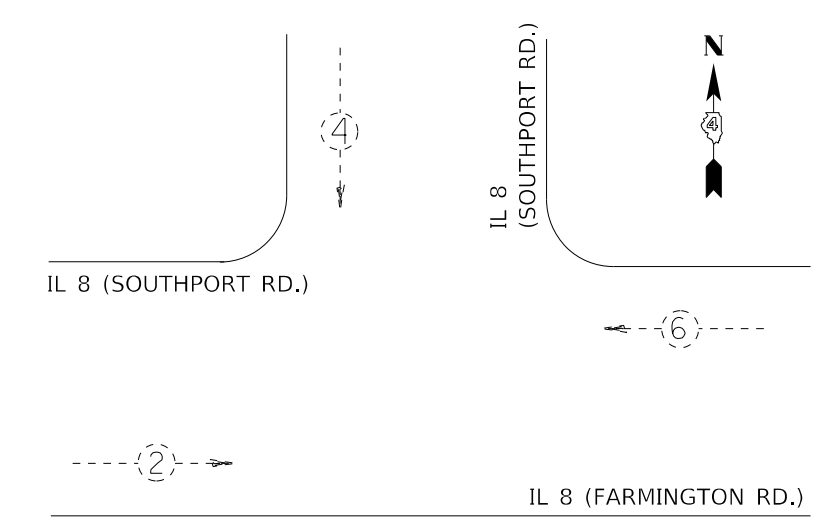
CONCRETE FOUNDATIONS TO BE RE-USED

TRAFFIC SIGNALS LEGEND

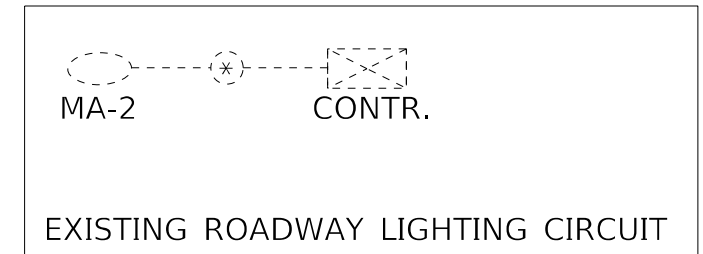
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| EX. TRAFFIC SIGNAL CONTROLLER CABINET | EX. 3 SEC. SIGNAL HEAD WITH BACKPLATE | EX. 5/C NO. 14 SIGNAL CABLE |
| EX. ELECTRIC SERVICE | EX. 3 SEC. SIGNAL HEAD WITHOUT BACKPLATE | EX. 7/C NO. 14 SIGNAL CABLE |
| EX. GROUND/SAFETY BOND | EX. DETECTOR LOOP | EX. 1/C NO. 6 CABLE |
| EX. QUADRAPOLE DETECTOR LOOP | | |

EXISTING PHASE DIAGRAM

NAME OF INTERSECTION IL 8 (SOUTHPORT RD.) & IL 8 (FARMINGTON RD.)
 EXISTING CONTROLLER: EX. ECONOLITE COBALT (TS-2 TYPE 2) IN EX. TYPE IV TS-2 CABINET (16 POS. LOAD BAY)



- | |
|-------------------------------------|
| EX. VEHICULAR MOVEMENT |
| FLASHING YELLOW ARROW |
| * NUMBER REFERS TO ASSOCIATED PHASE |



NOT TO SCALE

MODEL: Default
 FILE NAME: C:\Common\GEN\Transfer--buraua\68G74 - Final\Phase68G74 Mast Arm 2022 (Fhaal).dgn

USER NAME = hansonj	DESIGNED -	REVISED -
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PLOT DATE = 2/4/2022	DATE -	REVISED -

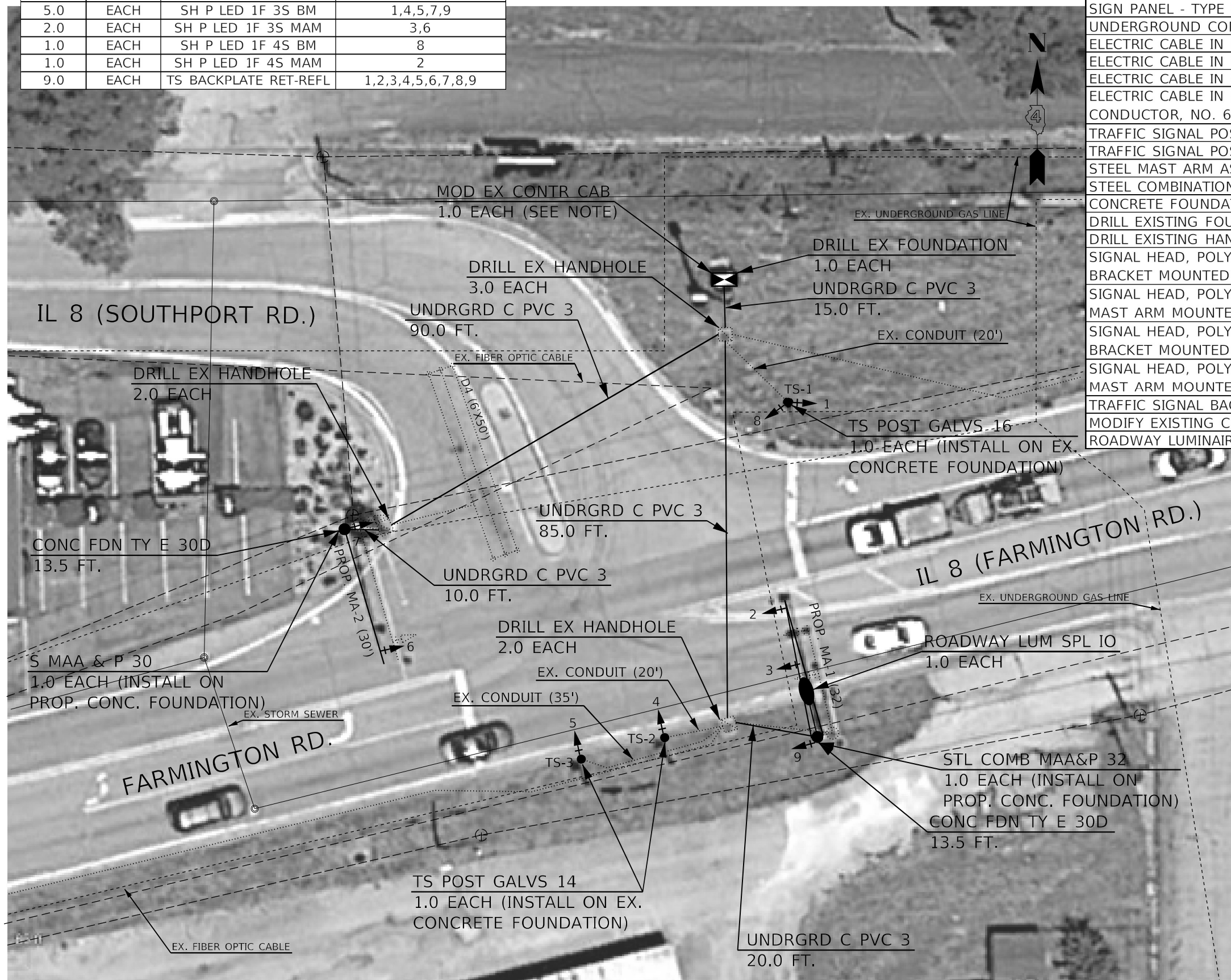
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	32
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G74	

TRAFFIC SIGNAL HEAD SCHEDULE			
IL 8 (FARMINGTON) & IL 8 (SOUTHPORT)			
PROP. QTY.	UNIT	ITEM	LOCATION PROPOSED
5.0	EACH	SH P LED 1F 3S BM	1,4,5,7,9
2.0	EACH	SH P LED 1F 3S MAM	3,6
1.0	EACH	SH P LED 1F 4S BM	8
1.0	EACH	SH P LED 1F 4S MAM	2
9.0	EACH	TS BACKPLATE RET-REFL	1,2,3,4,5,6,7,8,9

BILL OF MATERIALS		
IL 8 (FARMINGTON) & IL 8 (SOUTHPORT)		
ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	5.0
SIGN PANEL - TYPE 2	SQ FT	30.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	220.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	374.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1052.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	248.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	277.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	27.0
DRILL EXISTING FOUNDATION	EACH	1.0
DRILL EXISTING HANDHOLE	EACH	7.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2.0
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
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	9.0
MODIFY EXISTING CONTROLLER CABINET	EACH	1.0
ROADWAY LUMINAIRE, SPECIAL (INSTALL ONLY)	EACH	1.0



NOTES:

1. THE CONTRACTOR SHALL MODIFY THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET TO ACCOMMODATE THE INSTALLATION OF A PROTECTED-PERMISSIVE (FYA) LEFT TURN PHASE 5 FOR EASTBOUND FARMINGTON RD. TRAFFIC. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL REQUIRED FOR THE MODIFICATION, CONTROLLER PROGRAM CHANGES AND PROVIDE UPDATED REDLINE CABINET PRINTS TO THE DEPARTMENT. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR "MODIFY EXISTING CONTROLLER CABINET."
2. PROP. TS-1, TS-2 AND TS-3 SHALL BE INSTALLED ON THE EXISTING CONCRETE FOUNDATIONS AS SHOWN IN THE PLANS.

LEGEND

	EX. TS CONTROLLER CABINET
	EX. HANDHOLE
	EX. SIGNAL HEAD (WITH BACKPLATE)
	EX. SIGNAL HEAD (WITHOUT BACKPLATE)
	EX. MAST ARM ASSEMBLY AND POLE
	EX. TRAFFIC SIGNAL POST
	EX. QUADRAPOLE DETECTOR
	EX. CONDUIT
	EX. OVERHEAD UTILITIES
	EX. WOOD UTILITY POLE
	PROP. SIGNAL HEAD WITH BACKPLATE
	PROP. MAST ARM ASSEMBLY AND POLE
	PROP. COMBINATION MAST ARM ASSEMBLY AND POLE
	PROP. TRAFFIC SIGNAL POST
	PROP. LED LUMINAIRE
	PROP. CONDUIT

NOT TO SCALE

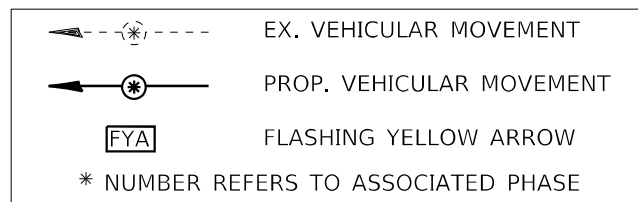
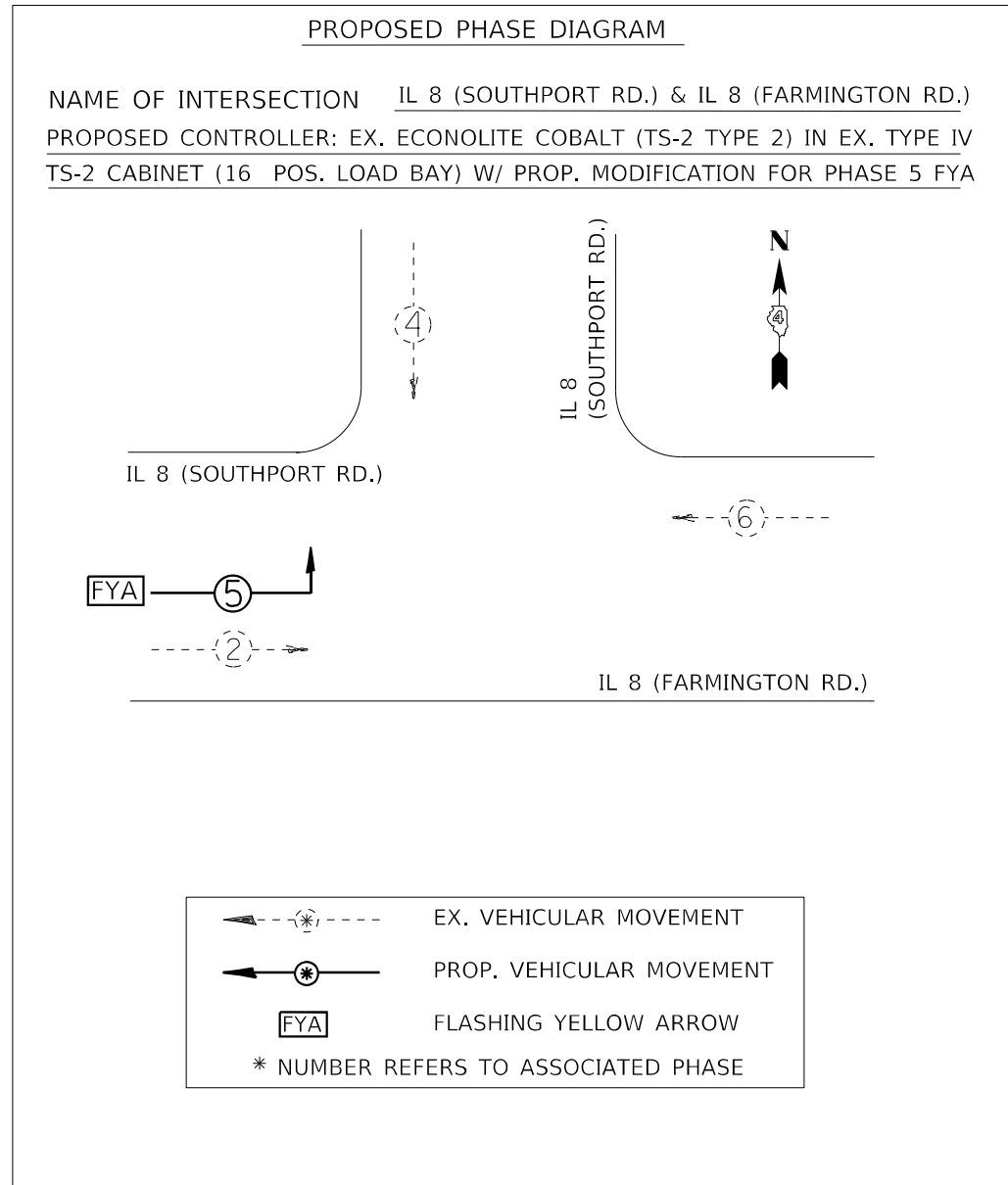
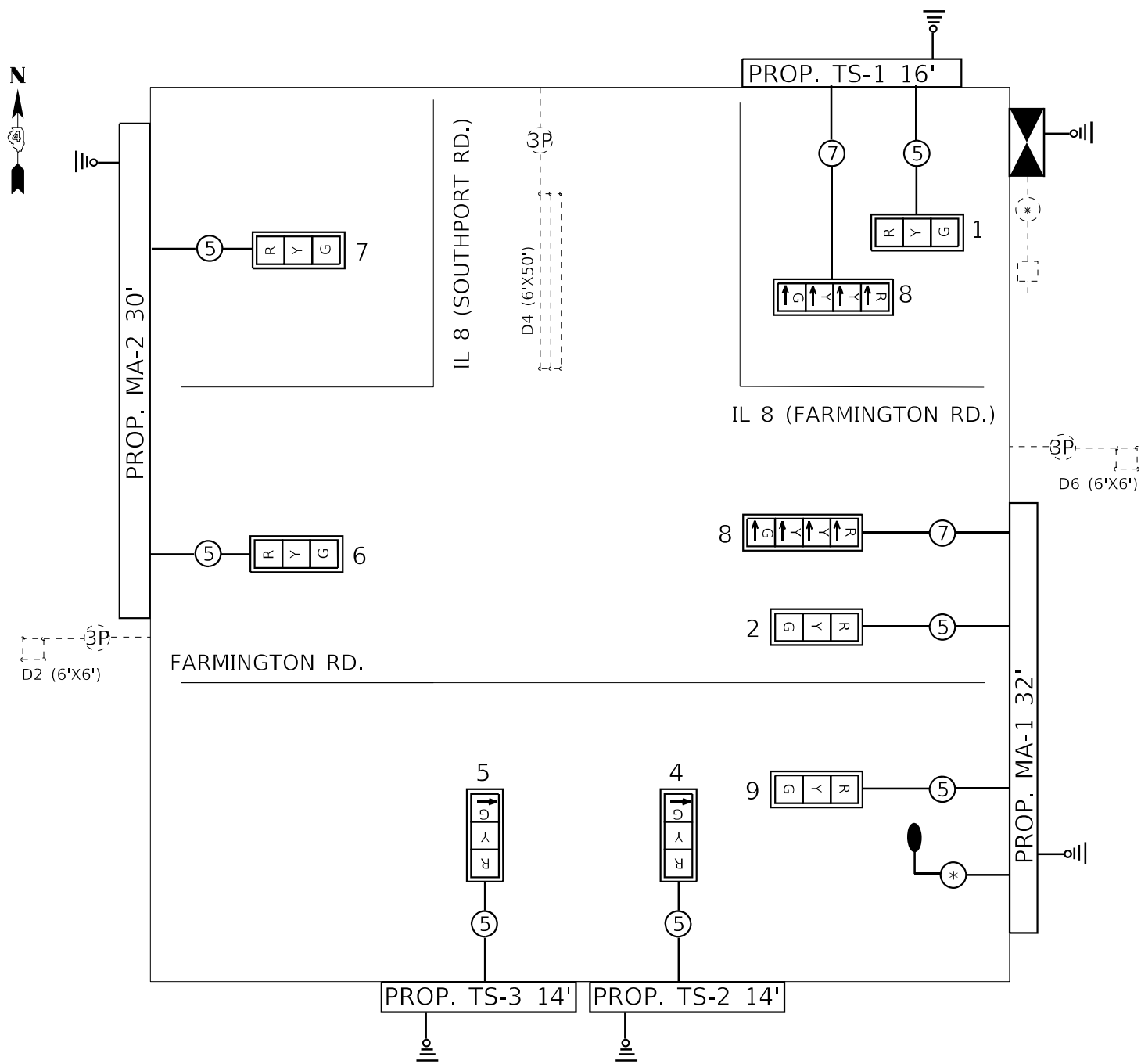
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	DRAWN -	REVISED -
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PLOT DATE = 2/4/2022	DATE -	REVISED -

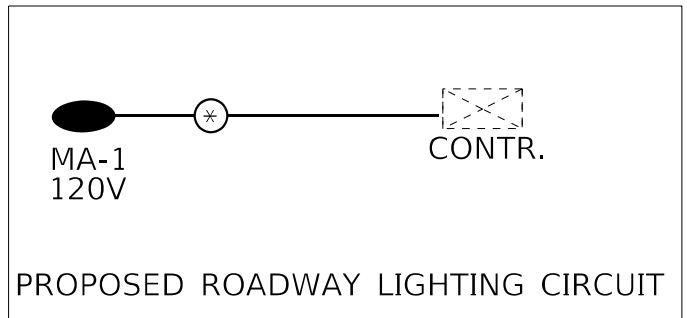
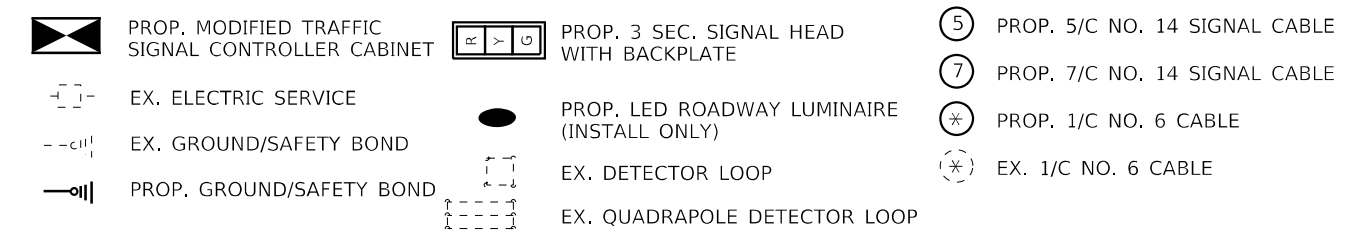
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TRAFFIC SIGNAL PLANS	
IL 8 (SOUTHPORT RD.) & IL 8 (FARMINGTON RD.) - WEST PEORIA	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	33
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G74	



TRAFFIC SIGNALS LEGEND



NOT TO SCALE

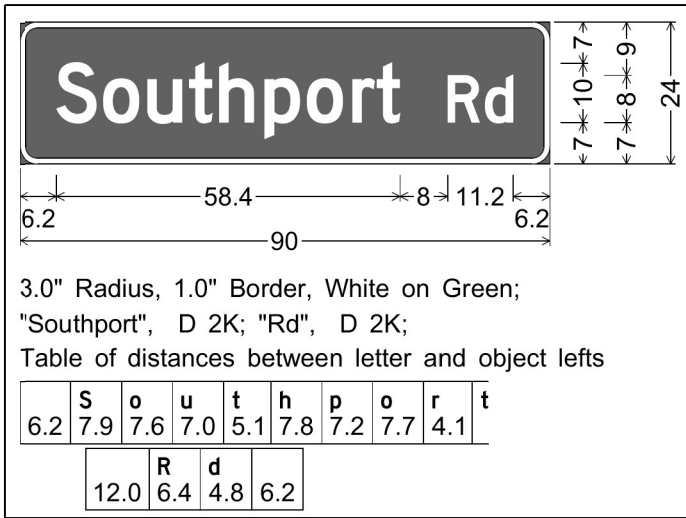
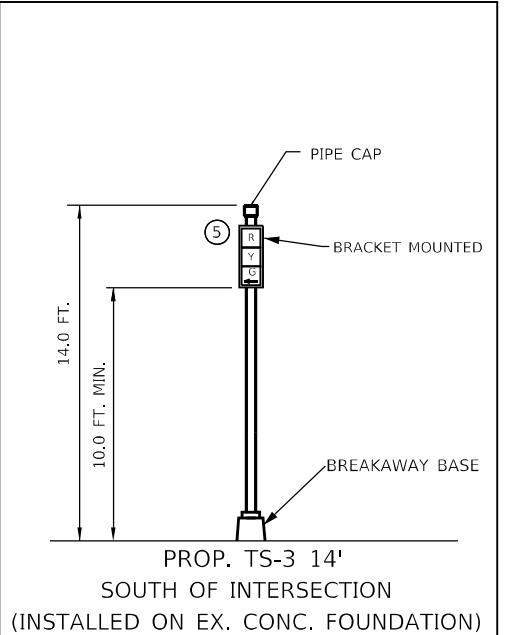
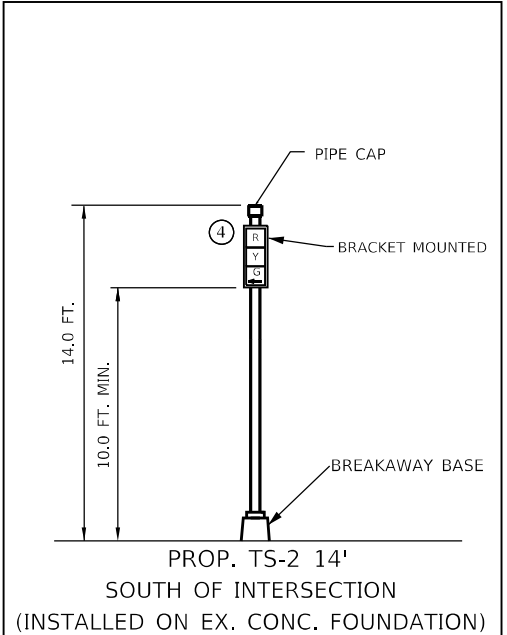
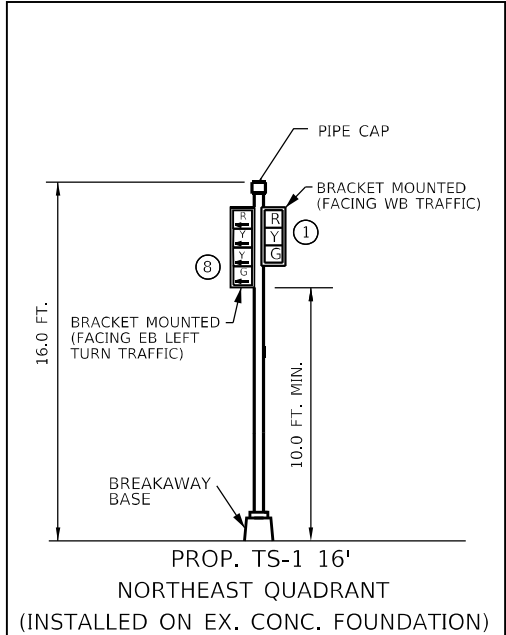
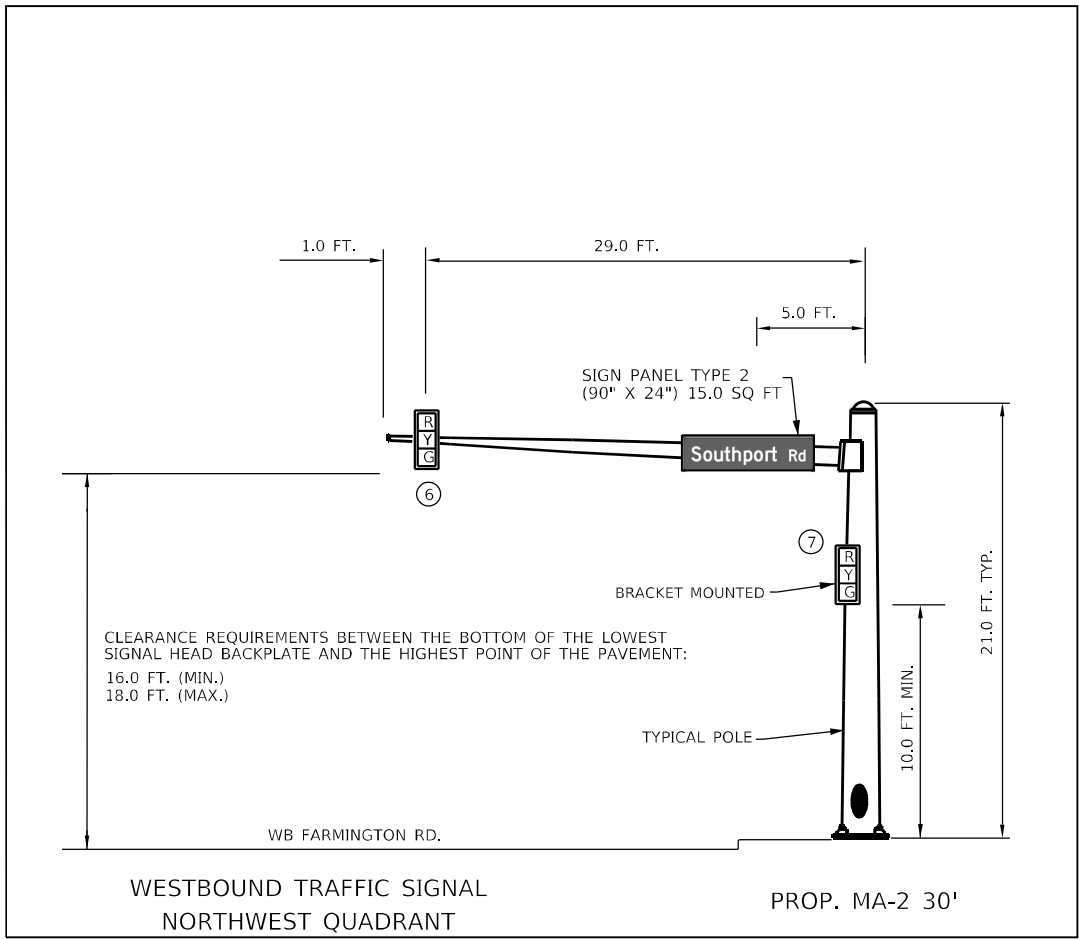
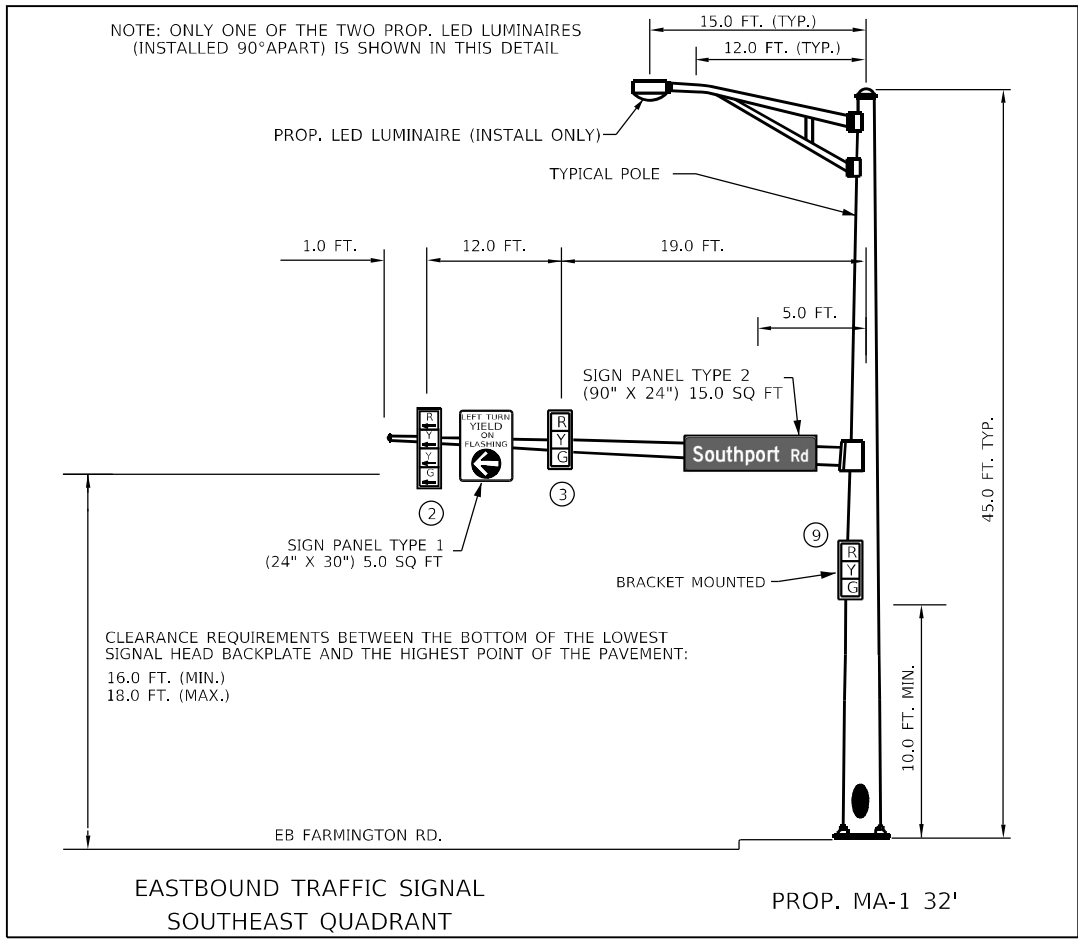
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PLOT DATE = 2/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED CABLE & PHASE DIAGRAMS	
IL 8 (SOUTHPORT RD.) & IL 8 (FARMINGTON RD.) - WEST PEORIA	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	34
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G74	



- NOTES:
- 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.

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DATE: 2/4/2022

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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED MAST ARM AND TRAFFIC SIGNAL POST DETAILS
IL 8/(SOUTHPORT RD.) & IL 8 (FARMINGTON RD.) - WEST PEORIA

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2022	PEORIA	41	35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G74	

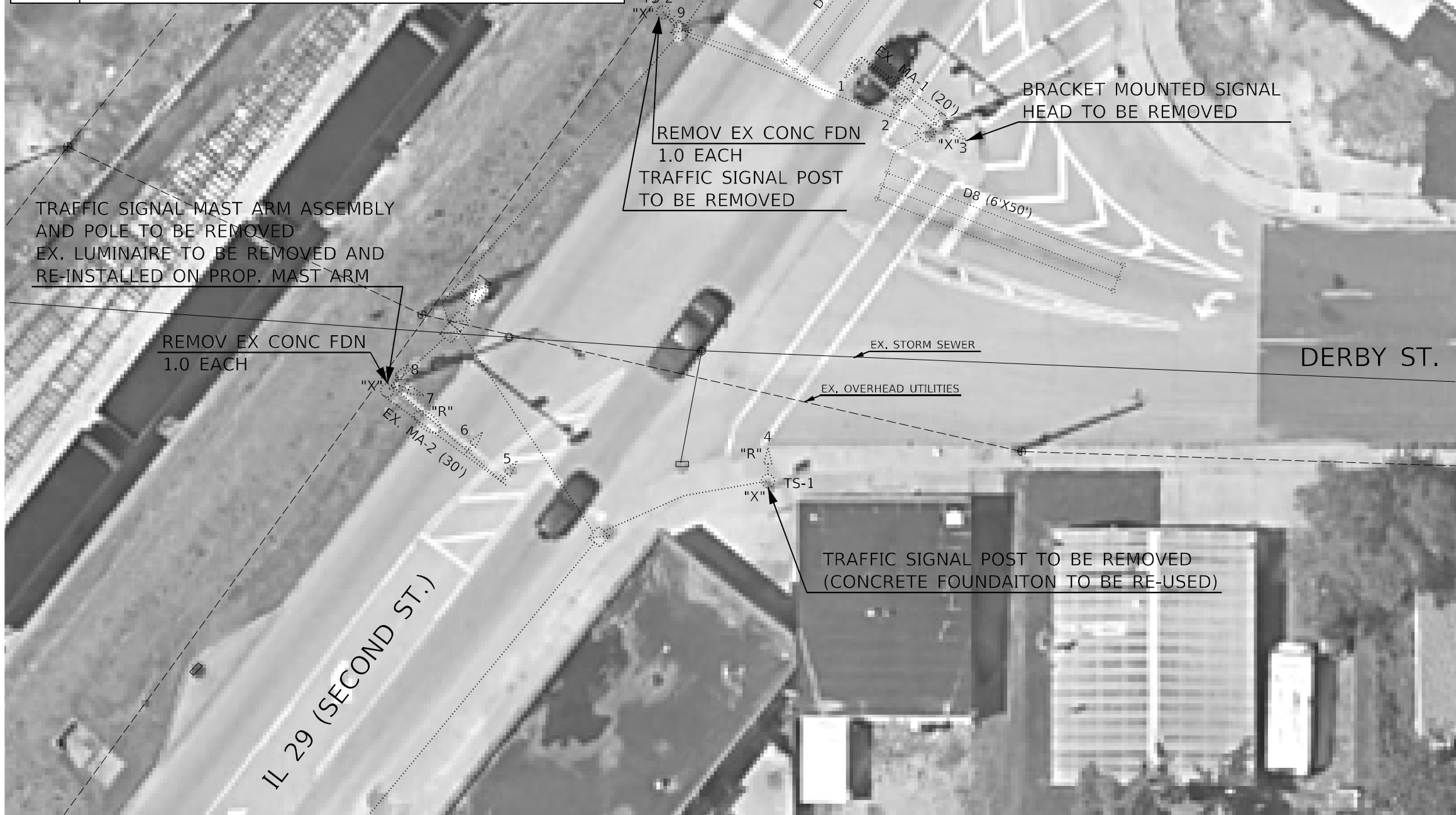
NOT TO SCALE

BILL OF MATERIALS		
IL 29 & DERBY (REMOVAL)		
ITEM DESCRIPTION	UNIT	QTY.
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2.0

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - QTY. 1.0 EACH
(INCLUDES ALL ITEMS LISTED BELOW)

THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY:

QTY.	ITEM DESCRIPTION
4.0	SIGNAL HEAD, BRACKET MOUNTED (SIGNAL HEADS 3,7,8,9)
2.0	SIGNAL HEAD, MAST ARM MOUNTED (SIGNAL HEADS 5,6)
1.0	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE (MA-2)
2.0	TRAFFIC SIGNAL POST (TS-1, TS-2)
ALL	ELECTRICAL CABLE NOT USED IN PROPOSED PLANS



NOTES:
1. THE CONTRACTOR SHALL RELOCATE THE EX. LUMINAIRE FROM EX. MA-2 TO PROP. MA-2. THE CONTRACTOR SHALL RE-USE THE EXISTING POLE WIRING, SURGE ARRESTOR, FUSE HOLDERS, AND FUSES. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE PROPOSED MAST ARM.

"X" INDICATES REMOVAL ITEM
"R" INDICATES RELOCATE ITEM

LEGEND	
	EX. TS CONTROLLER CABINET
	EX. DOUBLE HANDHOLE
	EX. HANDHOLE
	EX. SIGNAL HEAD (WITH BACKPLATE)
	EX. SIGNAL HEAD (WITHOUT BACKPLATE)
	EX. MAST ARM ASSEMBLY AND POLE
	EX. COMBINATION MAST ARM ASSEMBLY AND POLE
	EX. TRAFFIC SIGNAL POST
	EX. LUMINAIRE
	EX. QUADRAPOLE DETECTOR
	EX. CONDUIT

NOT TO SCALE

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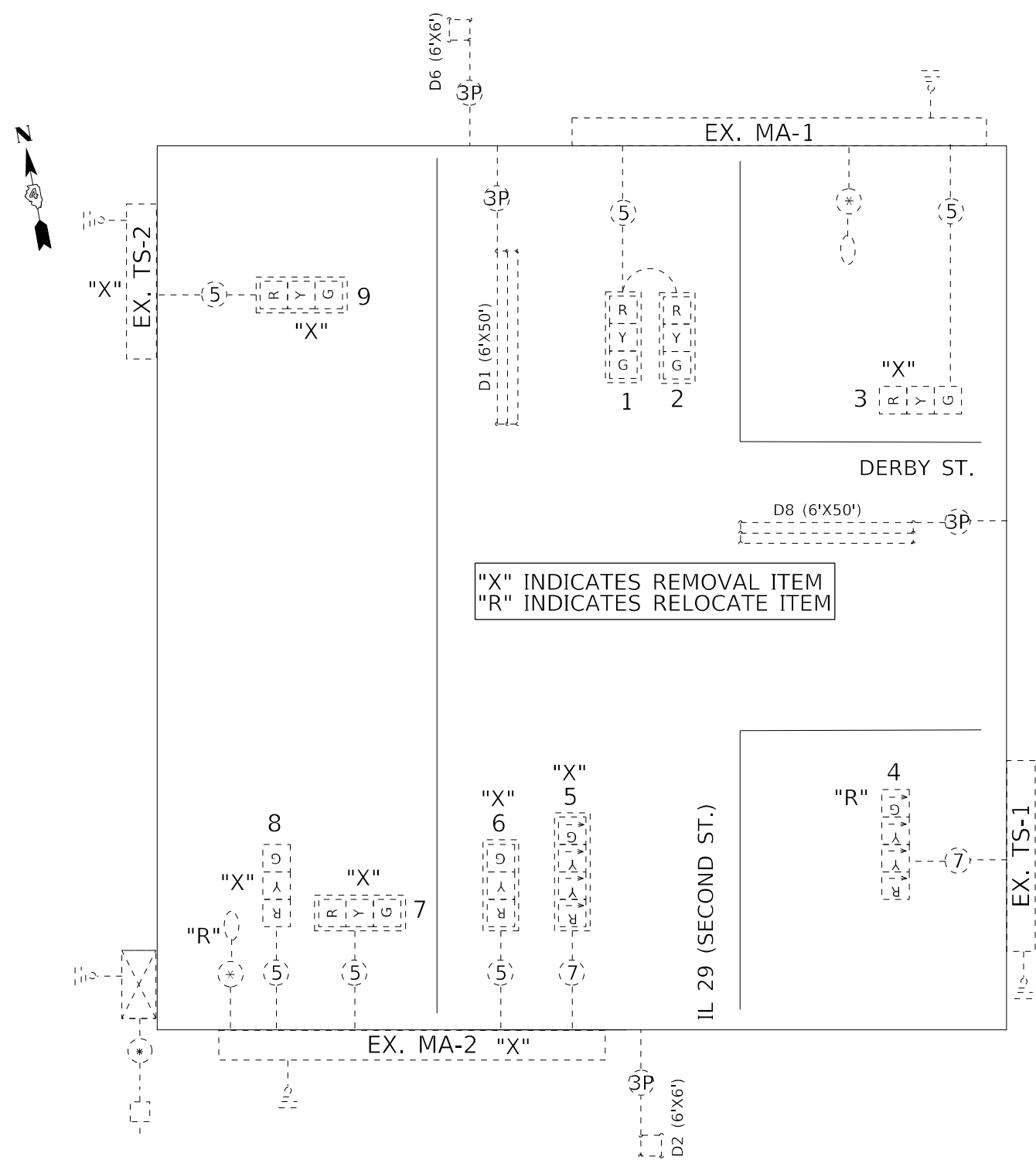
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL PLANS & REMOVAL ITEMS
IL 29 (SECOND ST.) & DERBY ST. - PEKIN

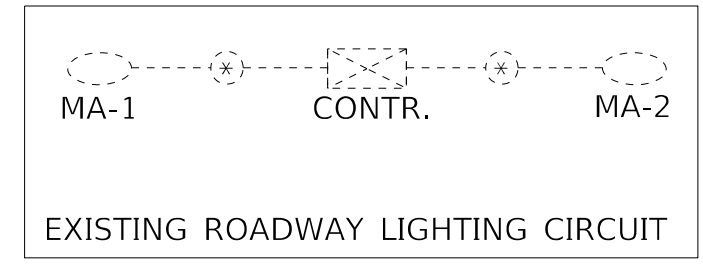
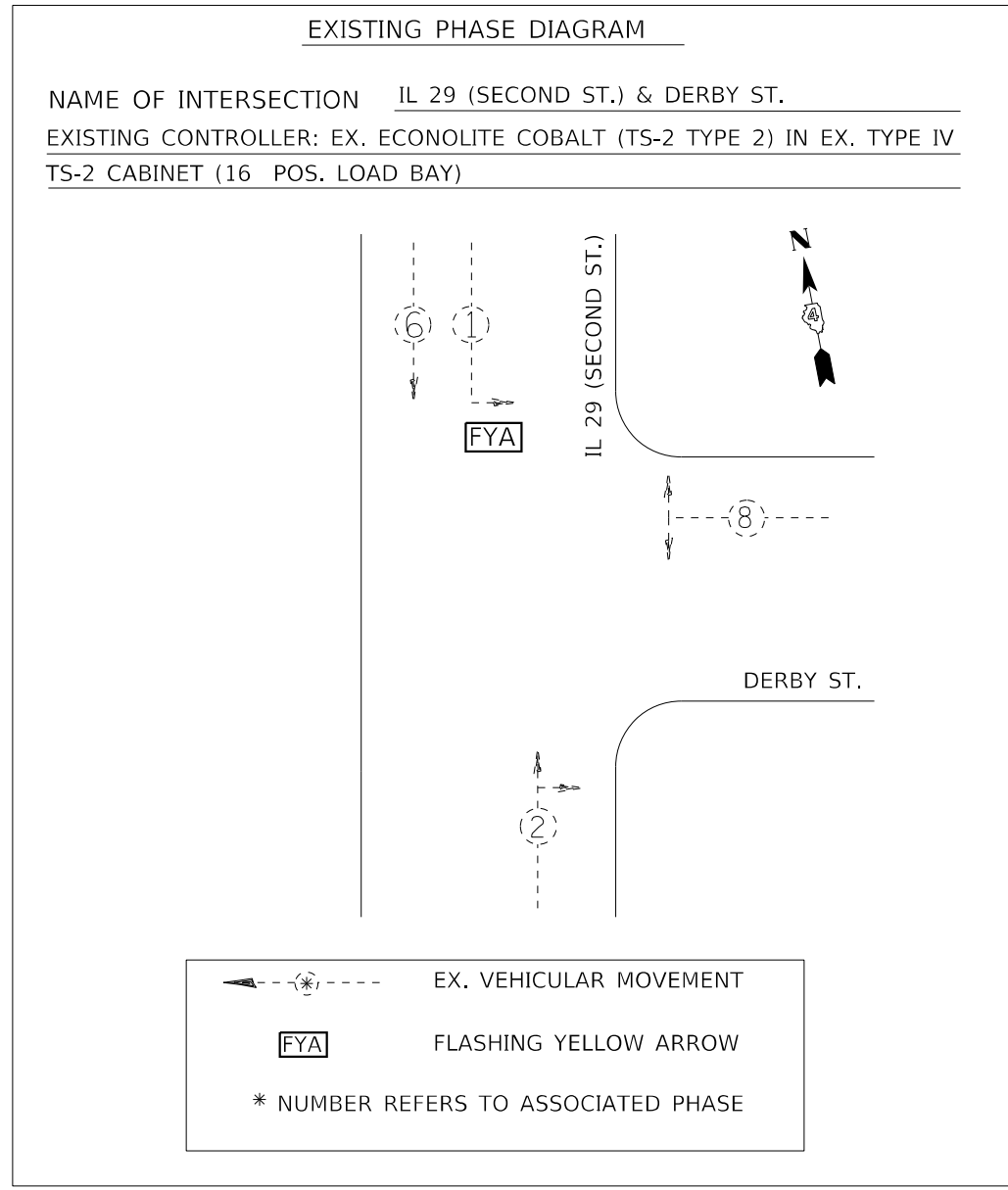
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2022	TAZEWELL	41	36
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G74	



TRAFFIC SIGNALS LEGEND

- | | | |
|---------------------------------------|--|-------------------------------------|
| EX. TRAFFIC SIGNAL CONTROLLER CABINET | EX. 3 SEC. SIGNAL HEAD WITH BACKPLATE | EX. 5/C NO. 14 SIGNAL CABLE |
| EX. ELECTRIC SERVICE | EX. 3 SEC. SIGNAL HEAD WITHOUT BACKPLATE | EX. 7/C NO. 14 SIGNAL CABLE |
| EX. GROUND/SAFETY BOND | EX. ROADWAY LUMINAIRE | EX. NO. 18 3-PR DETECTOR LOOP CABLE |
| EX. QUADRAPOLE DETECTOR LOOP | | EX. 1/C NO. 6 CABLE |



NOT TO SCALE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CABLE & PHASE DIAGRAMS	
IL 29 (SECOND ST.) & DERBY ST. - PEKIN	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2022	TAZEWELL	41	37
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G74	

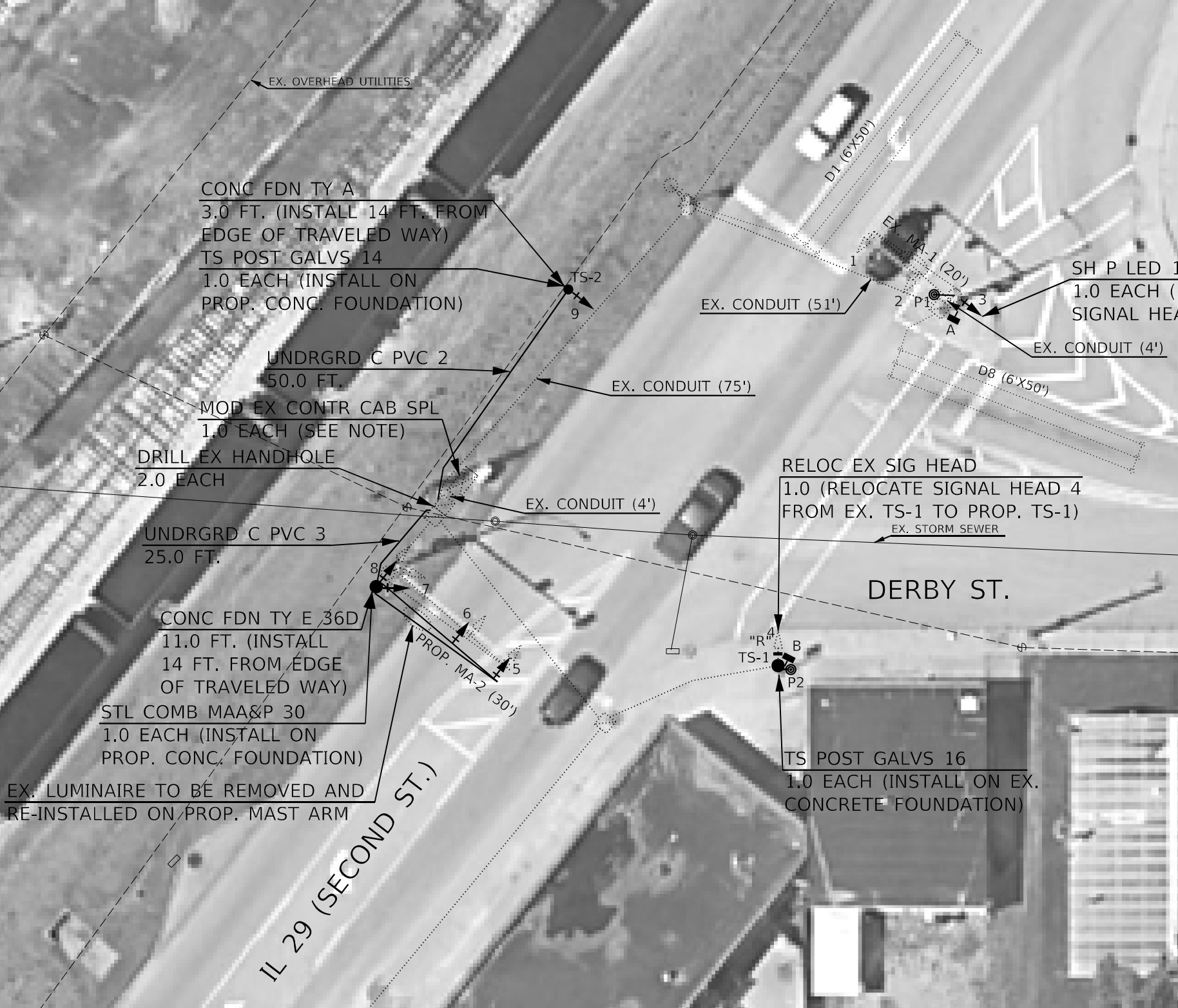
TRAFFIC SIGNAL HEAD SCHEDULE				
IL 29 & DERBY				
PROP. QTY.	UNIT	ITEM	LOCATION	
			PROPOSED	EXISTING
4.0	EACH	SH P LED 1F 3S BM	3,7,8,9	
1.0	EACH	SH P LED 1F 3S MAM	6	1,2
-	EACH	SH P LED 1F 4S BM		4
1.0	EACH	SH P LED 1F 4S MAM	5	
2.0	EACH	PED SH P LED 1F BM CT	A B	
7.0	EACH	TS BACKPLATE RET-REFL	3,4,5,6,7,8,9	1,2

"R" INDICATES RELOCATE ITEM

LEGEND	
	EX. TS CONTROLLER CABINET
	EX. DOUBLE HANDHOLE
	EX. HANDHOLE
	EX. SIGNAL HEAD (WITH BACKPLATE)
	EX. SIGNAL HEAD (WITHOUT BACKPLATE)
	EX. MAST ARM ASSEMBLY AND POLE
	EX. COMBINATION MAST ARM ASSEMBLY AND POLE
	EX. TRAFFIC SIGNAL POST
	EX. LUMINAIRE
	EX. QUADRAPOLE DETECTOR
	EX. CONDUIT
	PROP. SIGNAL HEAD WITH BACKPLATE
	PROP. BACKPLATE ON EX. SIGNAL HEAD
	PROP. COMBINATION MAST ARM ASSEMBLY AND POLE
	PROP. PEDESTRIAN SIGNAL HEAD
	PROP. TRAFFIC SIGNAL POST
	PROP. CONDUIT

- NOTES:
1. THE CONTRACTOR SHALL RELOCATE THE EXISTING LUMINAIRE FROM THE EXISTING MA-2 TO THE PROPOSED MA-3. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW POLE WIRING, SURGE ARRESTOR, FUSE HOLDERS, AND FUSES. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE PROPOSED MAST ARM.
 2. THE CONTRACTOR SHALL INSTALL PROP. SIGNAL HEAD 3 ON THE EXISTING MA-1 STRAIN POLE TO FACE WB TRAFFIC. THE CONTRACTOR SHALL INSTALL NEW SIGNAL CABLING AS SHOWN IN THE PLANS.
 3. THE CONTRACTOR SHALL MODIFY THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET TO ACCOMMODATE THE INSTALLATION OF THE PHASE 2 PEDESTRIAN SIGNALS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL REQUIRED FOR THE MODIFICATION, CONTROLLER PROGRAM CHANGES AND PROVIDE UPDATED REDLINE CABINET PRINTS TO THE DEPARTMENT. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR "MODIFY EXISTING CONTROLLER CABINET, SPECIAL."

BILL OF MATERIALS		
IL 29 & DERBY		
ITEM DESCRIPTION	UNIT	QTY.
NON-SPECIAL WASTE DISPOSAL	CU YD	12.5
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 1	SQ FT	5.0
SIGN PANEL - TYPE 2	SQ FT	12.2
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	50.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	25.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	192.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	296.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	797.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	228.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	113.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE A	FOOT	3.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11.0
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	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2.0
PEDESTRIAN PUSH-BUTTON	EACH	2.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	7.0
RELOCATE EXISTING SIGNAL HEAD	EACH	1.0
MODIFY EXISTING CONTROLLER CABINET, SPECIAL	EACH	1.0



MODEL: Defaul
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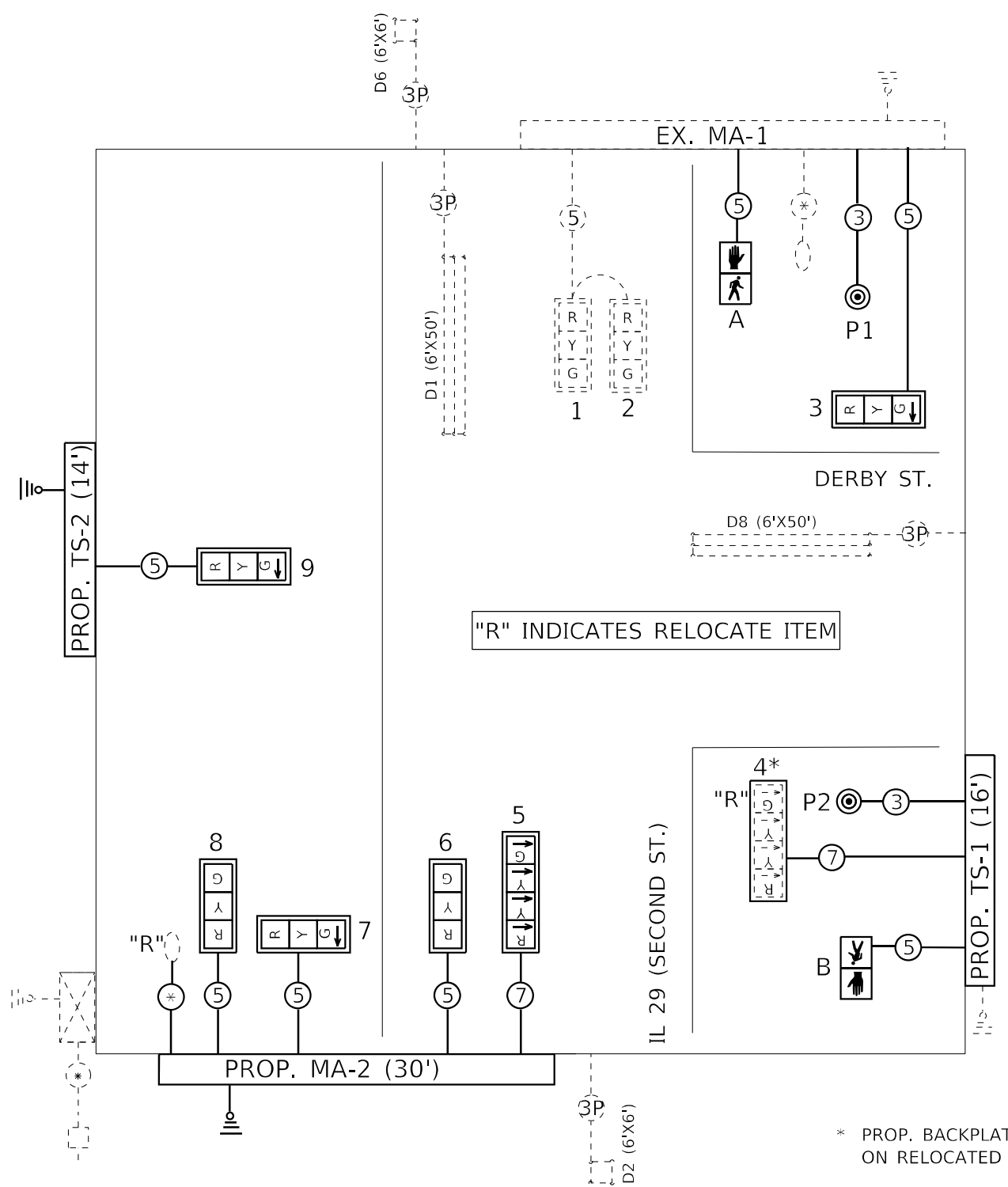
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PLOT DATE = 3/16/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL PLANS
IL 29 (SECOND ST.) & DERBY ST. - PEKIN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2022	TAZEWELL	41	38
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G74	

NOT TO SCALE



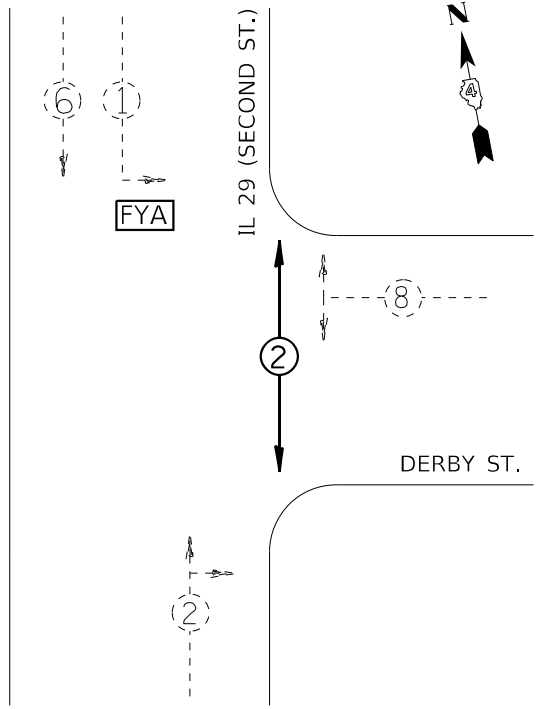
* PROP. BACKPLATE INSTALLED ON RELOCATED EX. SIGNAL HEAD

TRAFFIC SIGNALS LEGEND

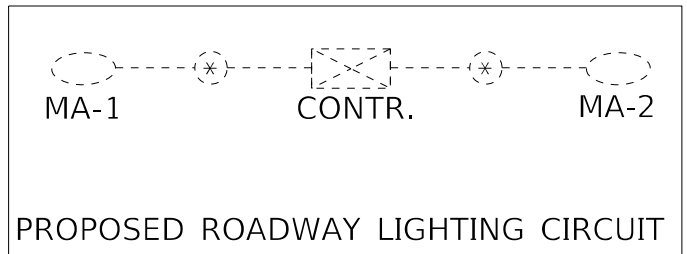
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| EX. TRAFFIC SIGNAL CONTROLLER CABINET | EX. 3 SEC. SIGNAL HEAD WITH BACKPLATE | EX. 5/C NO. 14 SIGNAL CABLE |
| EX. ELECTRIC SERVICE | EX. 3 SEC. SIGNAL HEAD WITH PROP. BACKPLATE | EX. 7/C NO. 14 SIGNAL CABLE |
| EX. GROUND/SAFETY BOND | PROP. 3 SEC. SIGNAL HEAD WITH PROP. RETROREFLECTIVE BACKPLATE | EX. 1/C NO. 6 CABLE |
| PROP. GROUND/SAFETY BOND | EX. LUMINAIRE | EX. NO. 18 3-PR DETECTOR LOOP CABLE |
| EX. QUADRAPOLE DETECTOR LOOP | PROP. PEDESTRIAN SIGNAL HEAD | PROP. 3/C NO. 14 SIGNAL CABLE |
| PROP. 1/C NO. 6 CABLE | | PROP. 5/C NO. 14 SIGNAL CABLE |
| | | PROP. 7/C NO. 14 SIGNAL CABLE |

PROPOSED PHASE DIAGRAM

NAME OF INTERSECTION IL 29 (SECOND ST.) & DERBY ST.
 PROPOSED CONTROLLER: EX. ECONOLITE COBALT (TS-2 TYPE 2) IN EX. TYPE IV TS-2 CABINET (16 POS. LOAD BAY)



- | | |
|--|-------------------------------------|
| | EX. VEHICULAR MOVEMENT |
| | PROP. PEDESTRIAN MOVEMENT |
| | FLASHING YELLOW ARROW |
| | * NUMBER REFERS TO ASSOCIATED PHASE |



PROPOSED ROADWAY LIGHTING CIRCUIT

NOT TO SCALE

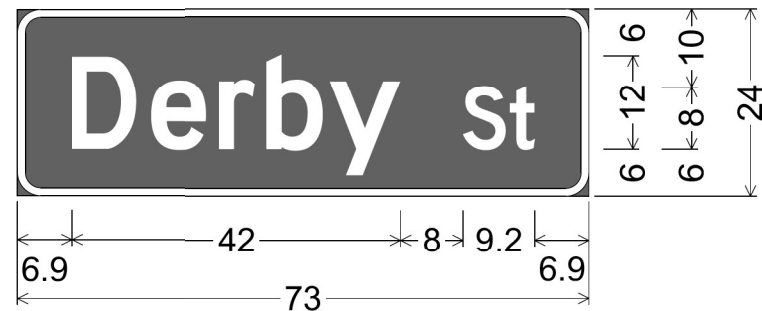
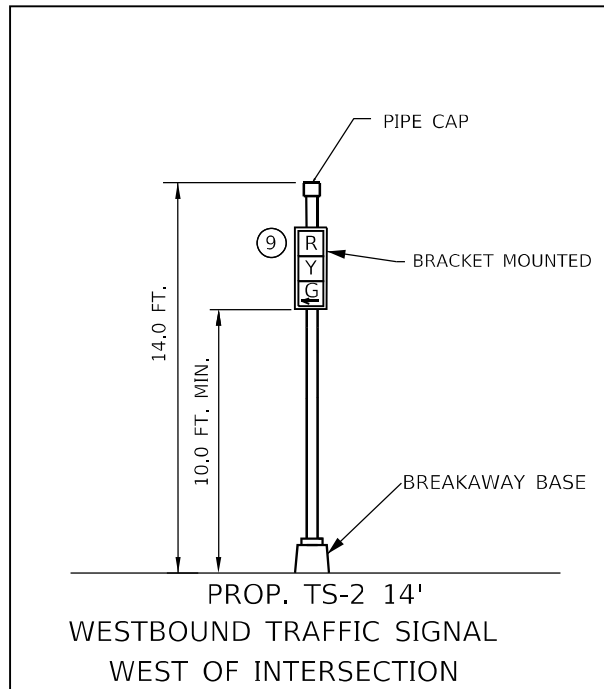
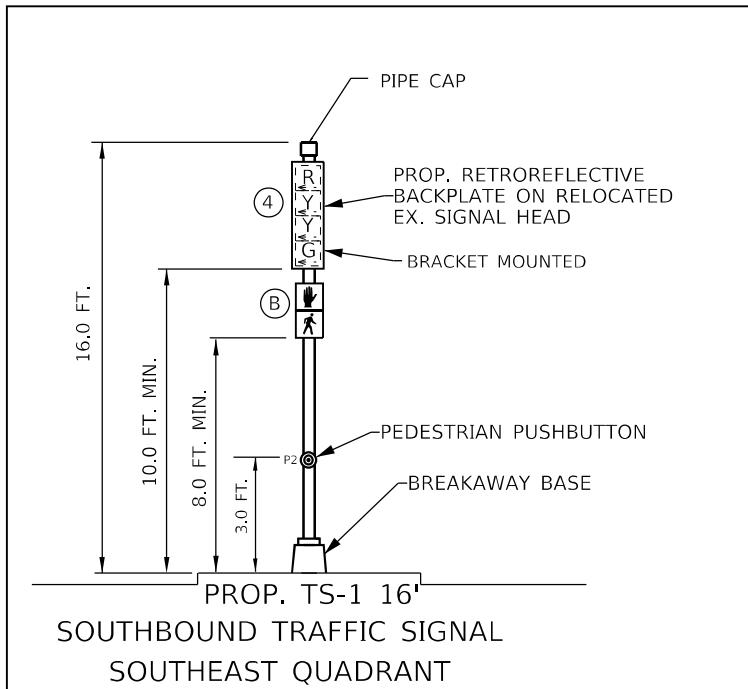
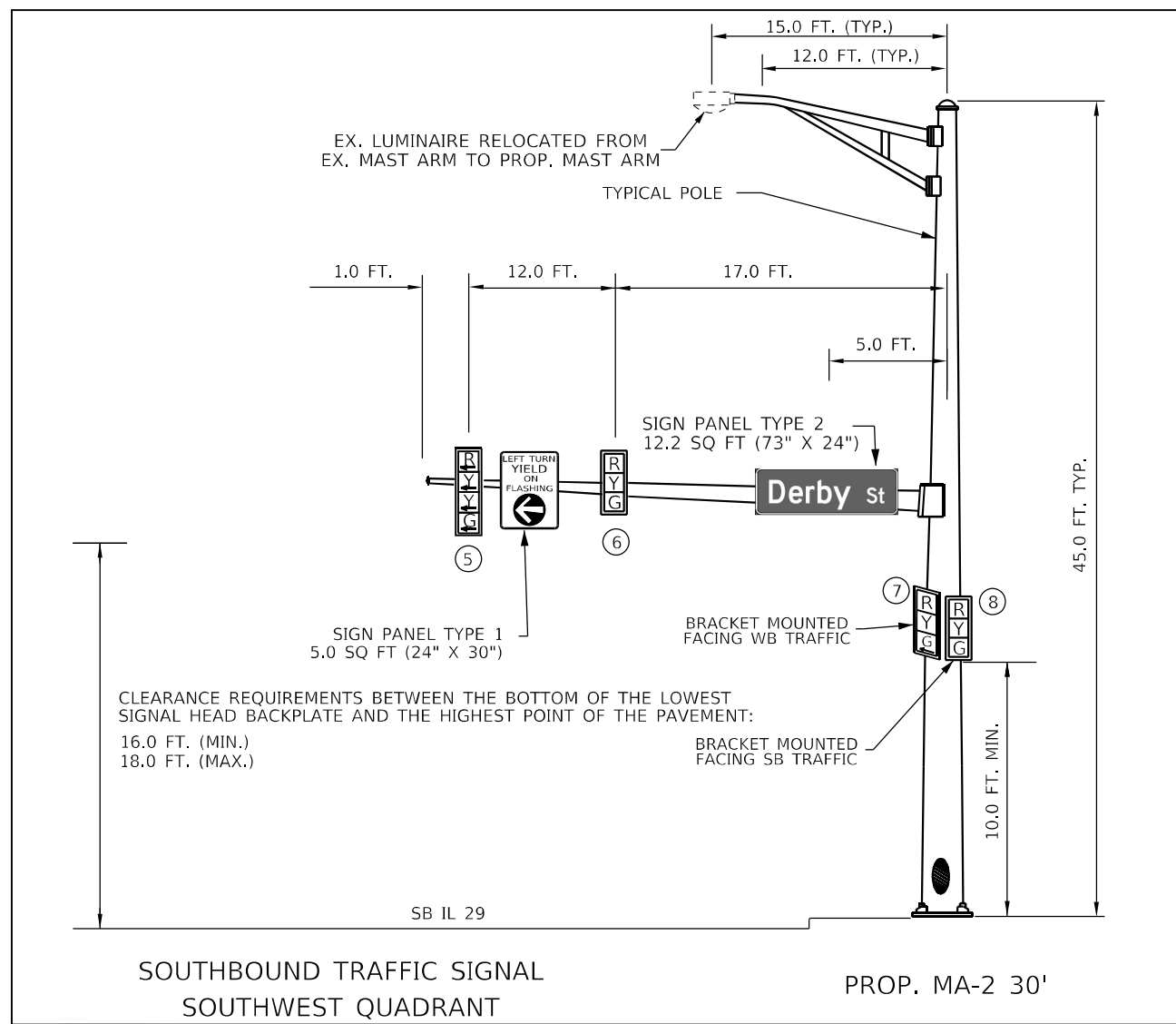
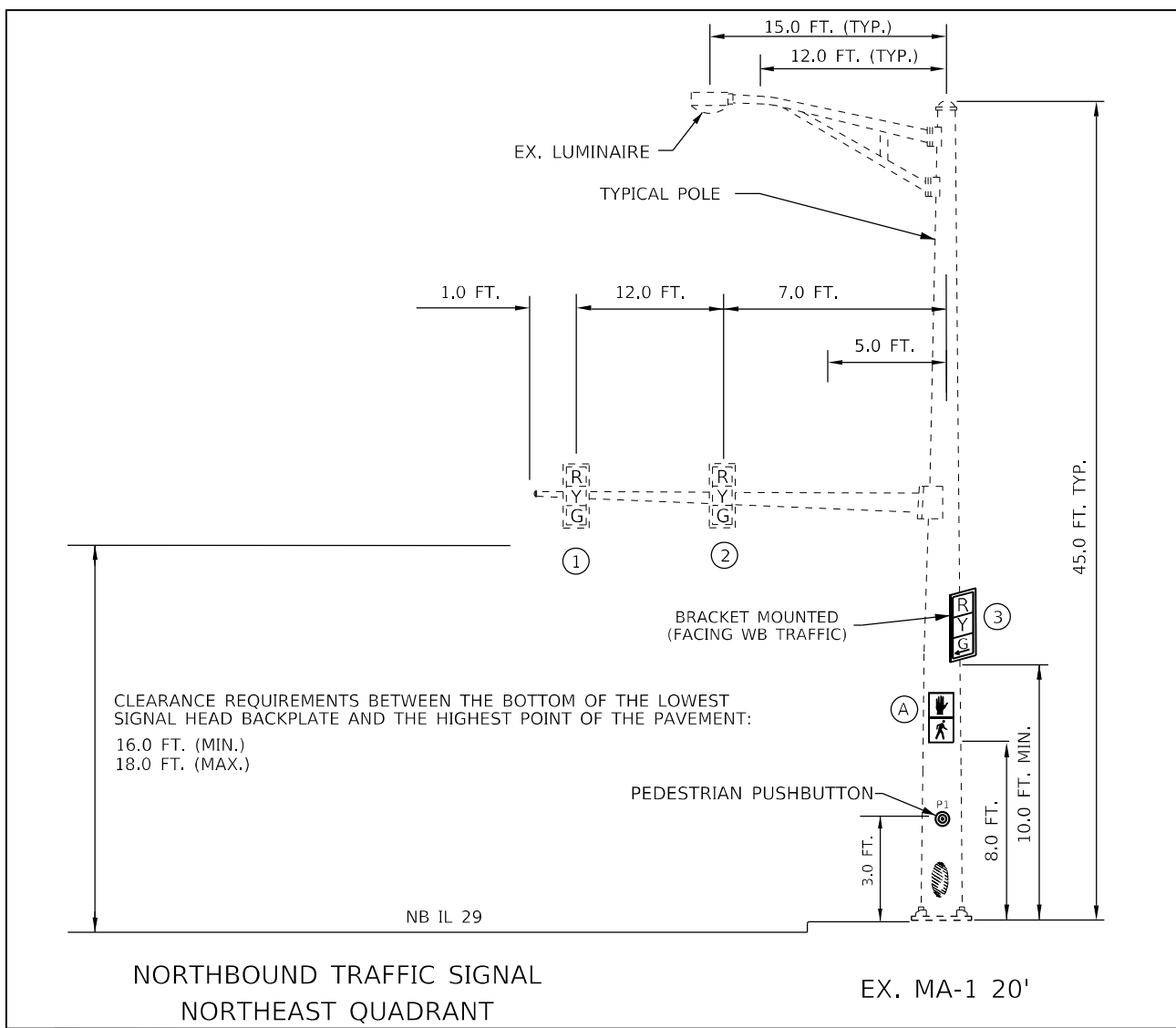
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PLOT DATE = 2/4/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CABLE & PHASE DIAGRAMS			
IL 29 (SECOND ST.) & DERBY ST. - PEKIN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2022	TAZEWELL	41	39
CONTRACT NO. 68G74				
ILLINOIS FED. AID PROJECT				



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

D	e	r	b	y	S	t	
6.9	10.1	8.8	6.0	8.1	17.0	6.0	3.2 6.9

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.

NOT TO SCALE

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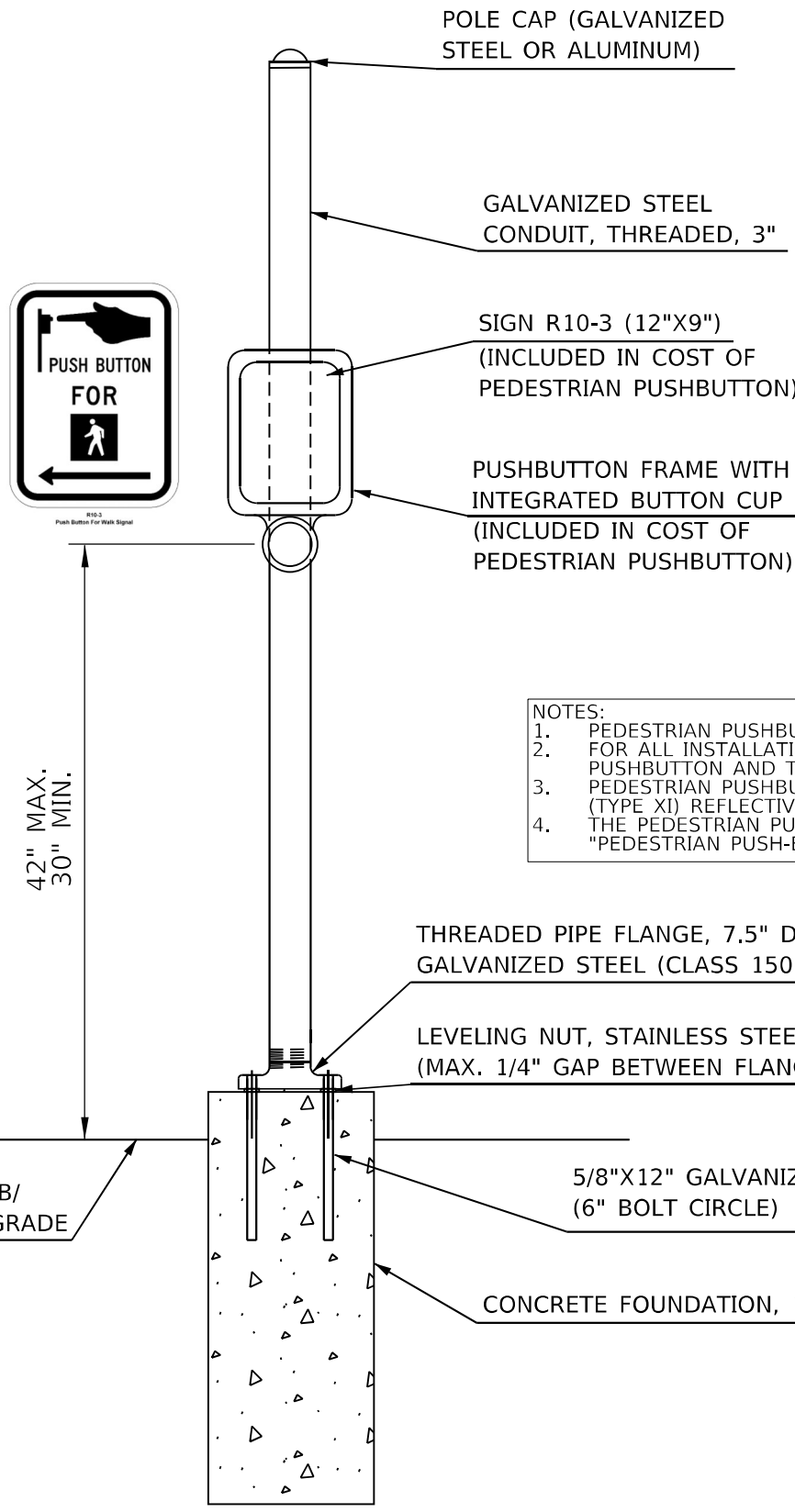
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PLOT DATE = 2/4/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED MAST ARM AND TRAFFIC SIGNAL POST DETAILS
IL 29 (SECOND ST.) & DERBY ST. - PEKIN

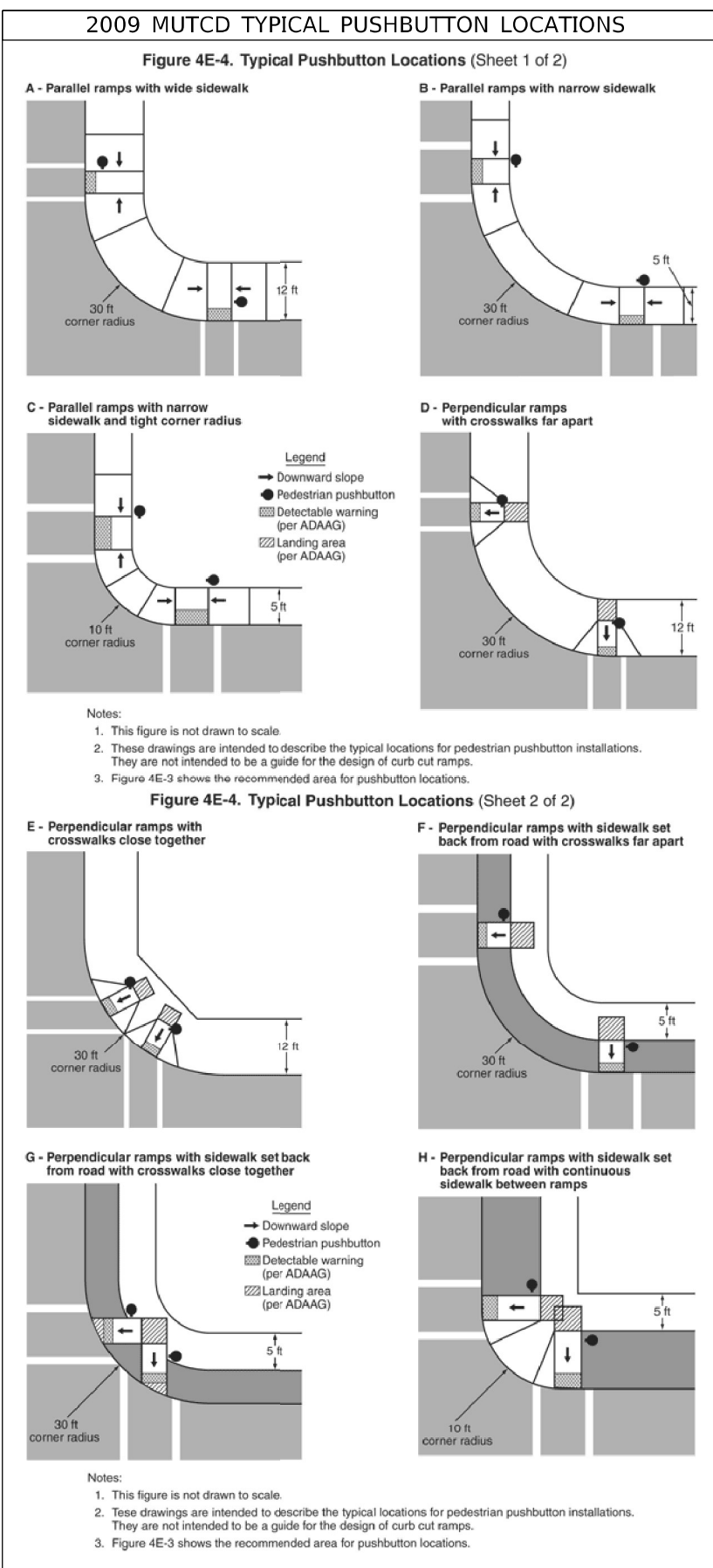
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2022	TAZEWELL	41	40
			CONTRACT NO. 68G74	
			ILLINOIS FED. AID PROJECT	



- 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



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PLOT DATE = 2/4/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

* PEORIA, TAZEWELL & MCDONOUGH COUNTIES		NOT TO SCALE	
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
VAR.	D4 MAST ARM REPLACEMENT 2022	*	41
		SHEET NO. 41	
		CONTRACT NO. 68G74	
		ILLINOIS FED. AID PROJECT	