

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

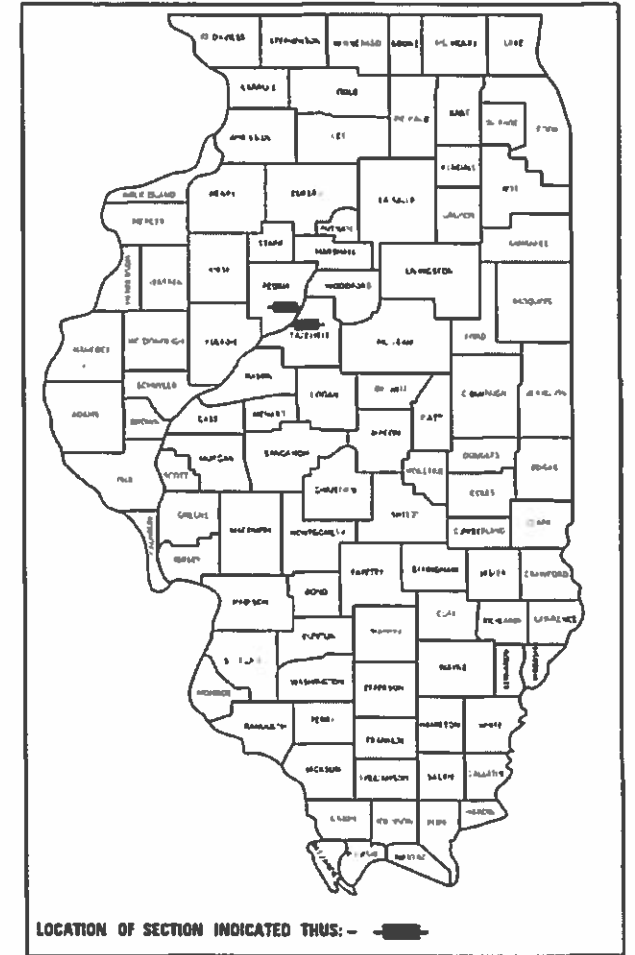
# PROPOSED HIGHWAY PLANS

VARIOUS ROUTES  
D4 MAST ARM REPLACEMENT 2020  
PEORIA AND TAZEWELL COUNTIES  
PROJECT: NHPP-4AHK(521)

C-94-017-20

FA RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D4 MAST ARM REPLACEMENT 2020	PEORIA & TAZEWELL	27	3
		ILLINOIS	CONTRACT NO. 68F20	

D-94-010-20



INDEX OF SHEETS:  
SEE SHEET 2 FOR INDEX OF SHEETS

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

PROJECT DESCRIPTION:  
REPLACEMENT OF TRAFFIC SIGNAL MAST ARMS  
AT VARIOUS LOCATIONS IN PEORIA AND  
TAZEWELL COUNTIES

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

PROJECT ENGINEER : ERIC HOWALD (309) 671-4481  
PROJECT MANAGER : BEN TELLEFSON (309) 671-4477  
CATALOG NO. 035849-00D  
CONTRACT NO. 68F20

IL 40 (KNOXVILLE AVE.)  
& BIRD BLVD./ FRYE RD.

US 150 (WAR MEMORIAL DR.)  
& IL 40 (KNOXVILLE AVE.)

SW ADAMS ST. &  
NEVADA ST./ LIGONIER ST.

IL 29 &  
LASALLE BLVD.



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Feb 03 2020  
Kenneth A. Harrett, ESQ  
REGIONAL ENGINEER

March 20 2020  
EA, ETC  
ENGINEER OF DESIGN AND ENVIRONMENT

March 20 2020  
James Orr  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 3

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OF THE STATE OF ILLINOIS

NO COMMITMENTS HAVE BEEN MADE IN CONJUNCTION WITH THIS PROJECT.

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27	PROPOSED MAST ARM DETAILS - IL 29 & LASALLE BLVD. -

HIGHWAY STANDARDS	
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH & FOOT
701001-02	OFF ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION FOR SPEEDS ≥ 45 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
814001-03	HANDHOLES
821101-02	LUMINAIRE WIRING IN POLE
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877002-04	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
877006-06	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS
877011-10	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877012-07	STEEL COMB. MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

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**COMMITMENTS, INDEX OF SHEETS, AND HIGHWAY STANDARDS**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2020	PEORIA & TAZEWELL	27	2
CONTRACT NO. 68F20				
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 ALL-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 INSTALALTION OF THE PROPOSED TRAFFIC SIGNAL EQUIPMENT.
6. ALL COSTS (LABOR, MATERIALS, AND EQUIPMENT) ASSOCIATED WITH THESE REQUIREMENT 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 MAST ARM 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 CCTV CAMERA SHALL BE INSTALLED AT A MINIMUM MOUNTING HEIGHT OF 43 FT.
12. 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.
13. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.
14. ANY MAINTENANCE OF EXISTING TRAFFIC SIGNALS WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
15. THE HANDHOLES SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE SHOULDER OR GROUND LINE.
16. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
17. COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC PUSHED OR TRENCHED.
19. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND
20. 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.
21. THE EXISTING PEDESTRIAN PUSHBUTTON ON THE EXISTING MAST ARM AT IL 40 & BIRD/FRYE SHALL BE RELOCATED TO THE PROPOSED TRAFFIC SIGNAL POST. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE PROPOSED TRAFFIC SIGNAL POST.
22. THE EXISTING EMERGENCY VEHICLE PREEMPTION SYSTEM EQUIPMENT LOCATED ON THE EXISTING MAST ARMS AT US 150 & IL 40 SHALL BE RELOCATED TO THE PROPOSED MAST ARMS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE".
23. THE CONTRACTOR SHALL CUT THE ANCHOR BOLTS FLUSH WITH THE PAVEMENT SURFACE AND CAP THE EXISTING CONDUITS AFTER REMOVING TRAFFIC SIGNAL POST TS-2 AT IL 29 & LASALLE BLVD. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".
24. THE CONTRACTOR SHALL CUT THE ANCHOR BOLTS FLUSH WITH THE PAVEMENT SURFACE AND CAP THE EXISTING CONDUITS AFTER REMOVING THE TRAFFIC SIGNAL POST AT SW ADAMS ST. & NEVADA ST./ LIGONIER ST. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".
25. THE CONTRACTOR SHALL RELOCATE THE EXISTING CCTV CAMERA TO THE PROPOSED MAST ARM AT US 150 & IL 40. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "RELOCATE EXISTING PTZ CAMERA".

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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 2020	PEORIA & TAZEWELL	27	3
			CONTRACT NO. 68F20	
		ILLINOIS	FED. AID PROJECT	





# SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY.	PEORIA COUNTY			TAZEWELL COUNTY
			US 150 (WAR MEMORIAL DR.) & IL 40 (KNOXVILLE AVE.)	IL 40 (KNOXVILLE AVE.) & BIRD BLVD./FRYE RD.	US 24 (ADAMS ST.) & LIGONIER/NEVADA	IL 29 & LASALLE BLVD.
SIGN PANEL - TYPE 1	SQ FT	30.0	15.0	10.0		5.0
SIGN PANEL - TYPE 2	SQ FT	160.0	57.5	57.5		45.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	30.0				30.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	362.0	89.0	150.0		123.0
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1.0		1.0		
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1412.0	515.0	897.0		
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	370.5		370.5		
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3371.5	1223.5	1369.5		778.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2465.0	984.0	758.5		722.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	547.0	151.5	185.0		210.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3.0		1.0		2.0
STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1.0				1.0
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1.0	1.0			
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1.0				1.0
STEEL MAST ARM ASSEMBLY AND POLE, 64 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 50 FT.	EACH	1.0		1.0		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1.0	1.0			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1.0	1.0			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1.0	1.0			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.	EACH	1.0		1.0		

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**SCHEDULE OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2020	PEORIA & TAZEWELL	27	6
CONTRACT NO. 68F20			ILLINOIS FED. AID PROJECT	

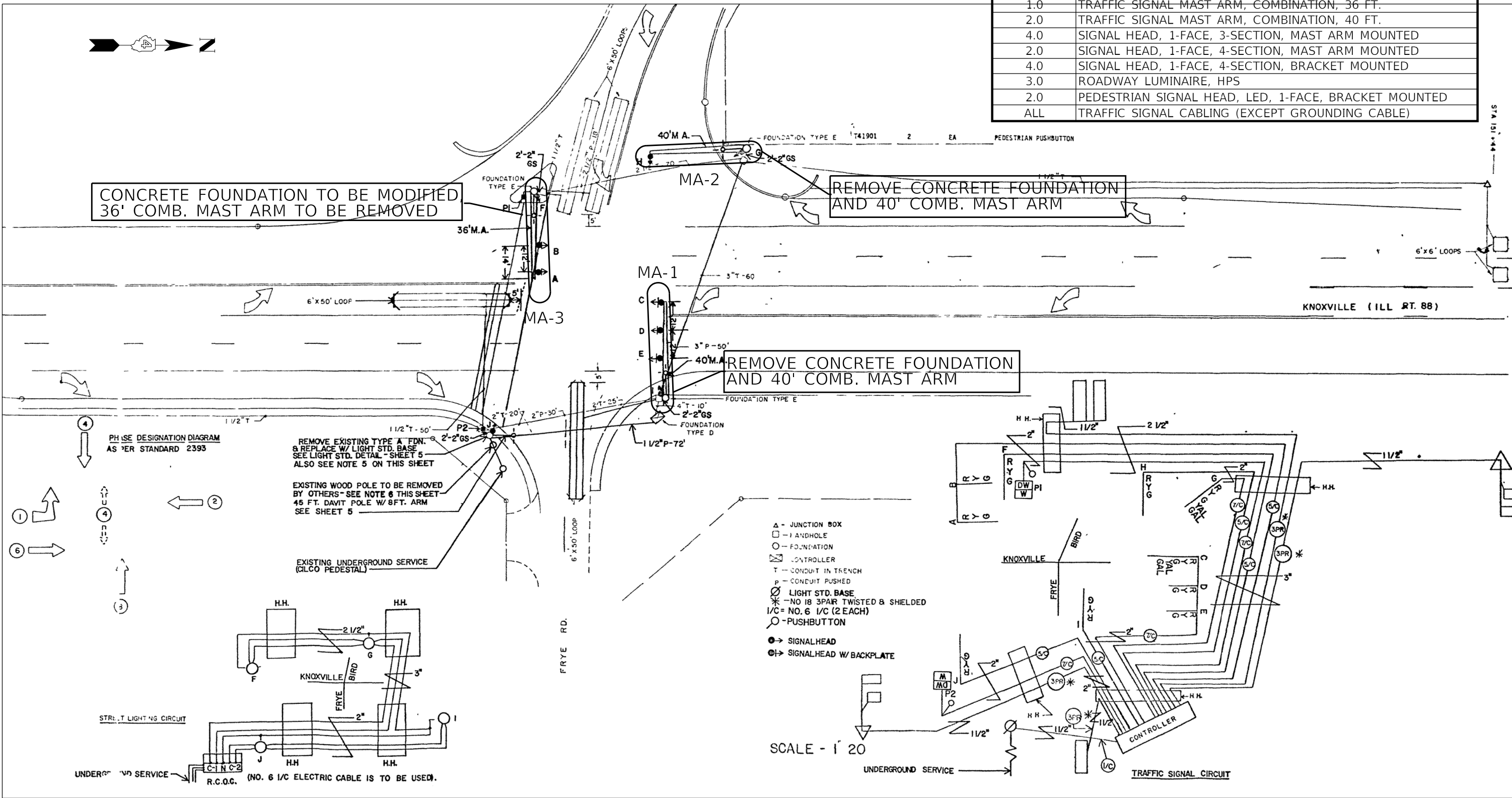


BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QTY.
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2.0

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - QTY. 1 EACH  
(INCLUDES ALL ITEMS LISTED BELOW)

THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY. THE SALVAGE VALUE OF THIS EQUIPMENT SHALL BE REFLECTED IN THE UNIT BID PRICE FOR "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."

QTY.	DESCRIPTION
1.0	TRAFFIC SIGNAL MAST ARM, COMBINATION, 36 FT.
2.0	TRAFFIC SIGNAL MAST ARM, COMBINATION, 40 FT.
4.0	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2.0	SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED
4.0	SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
3.0	ROADWAY LUMINAIRE, HPS
2.0	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED
ALL	TRAFFIC SIGNAL CABLING (EXCEPT GROUNDING CABLE)



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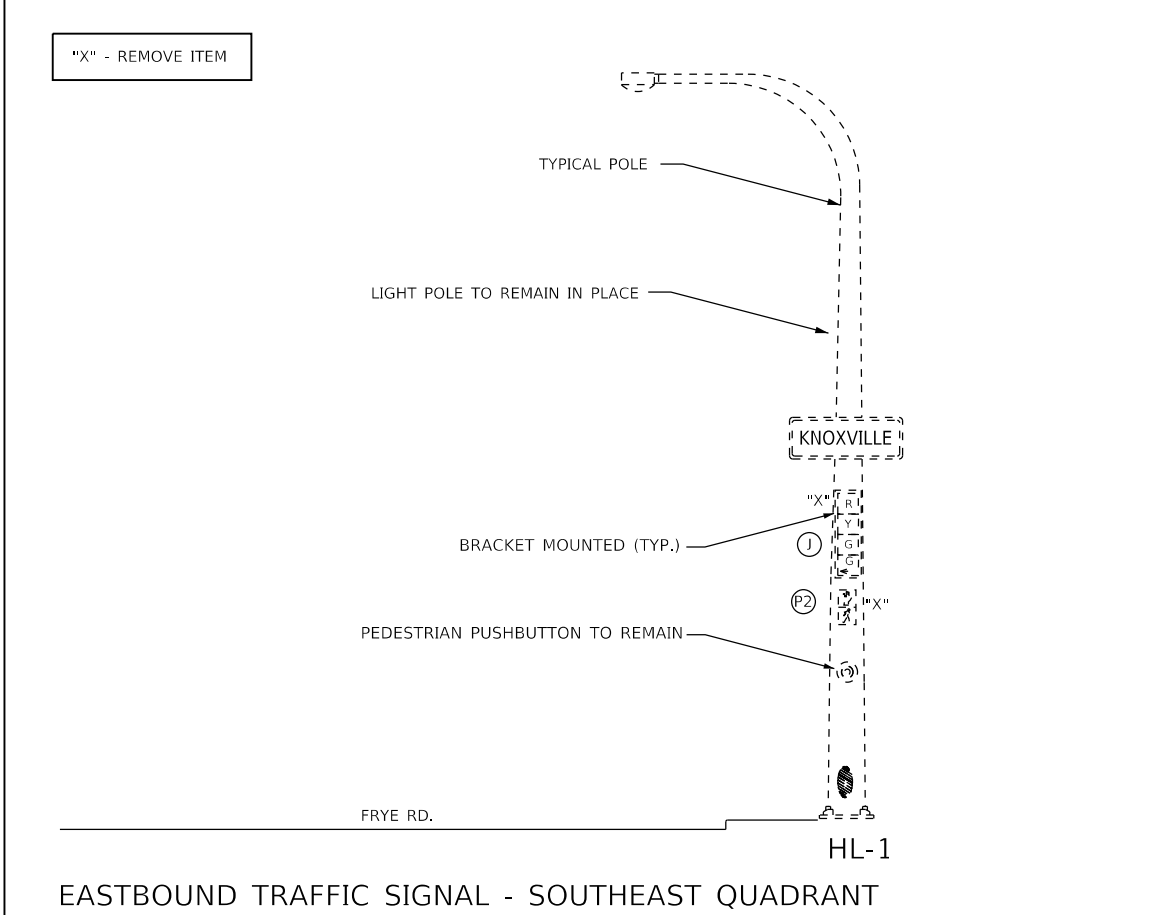
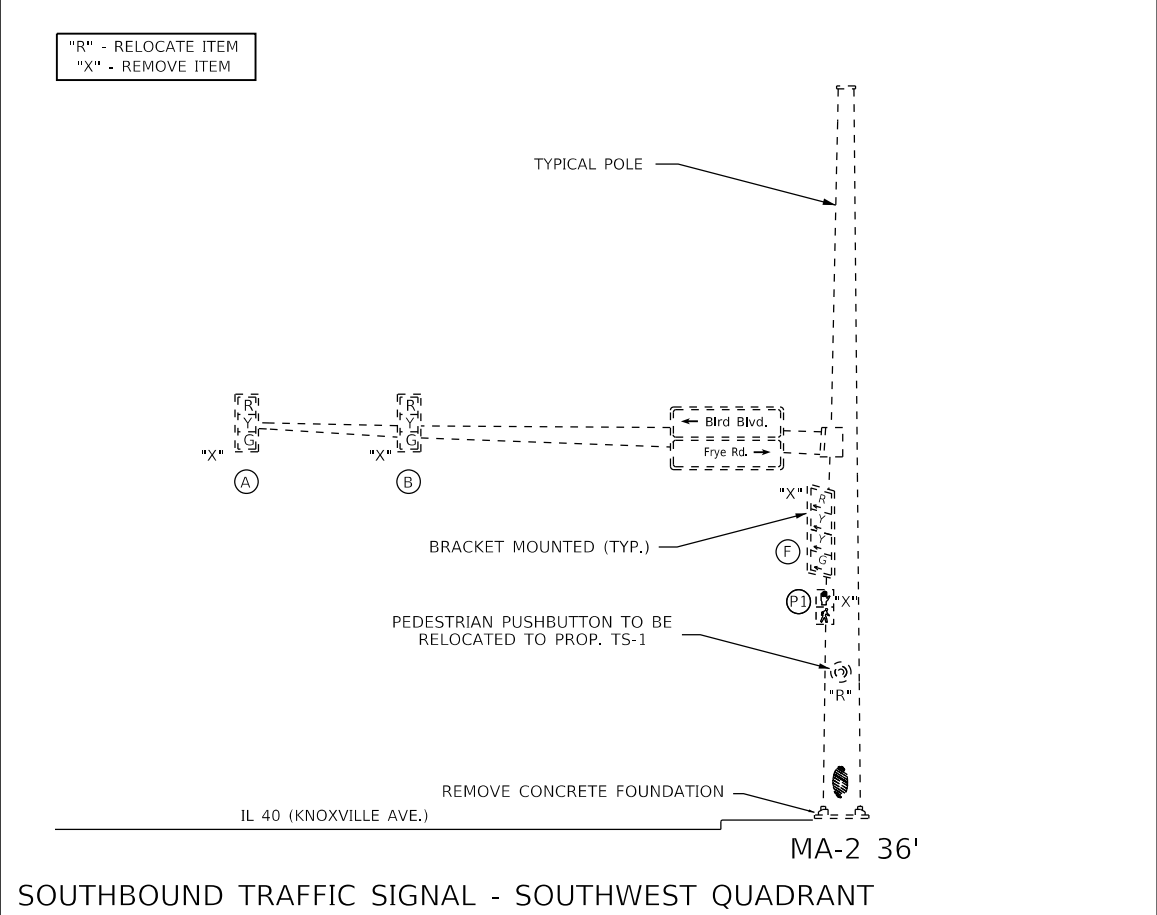
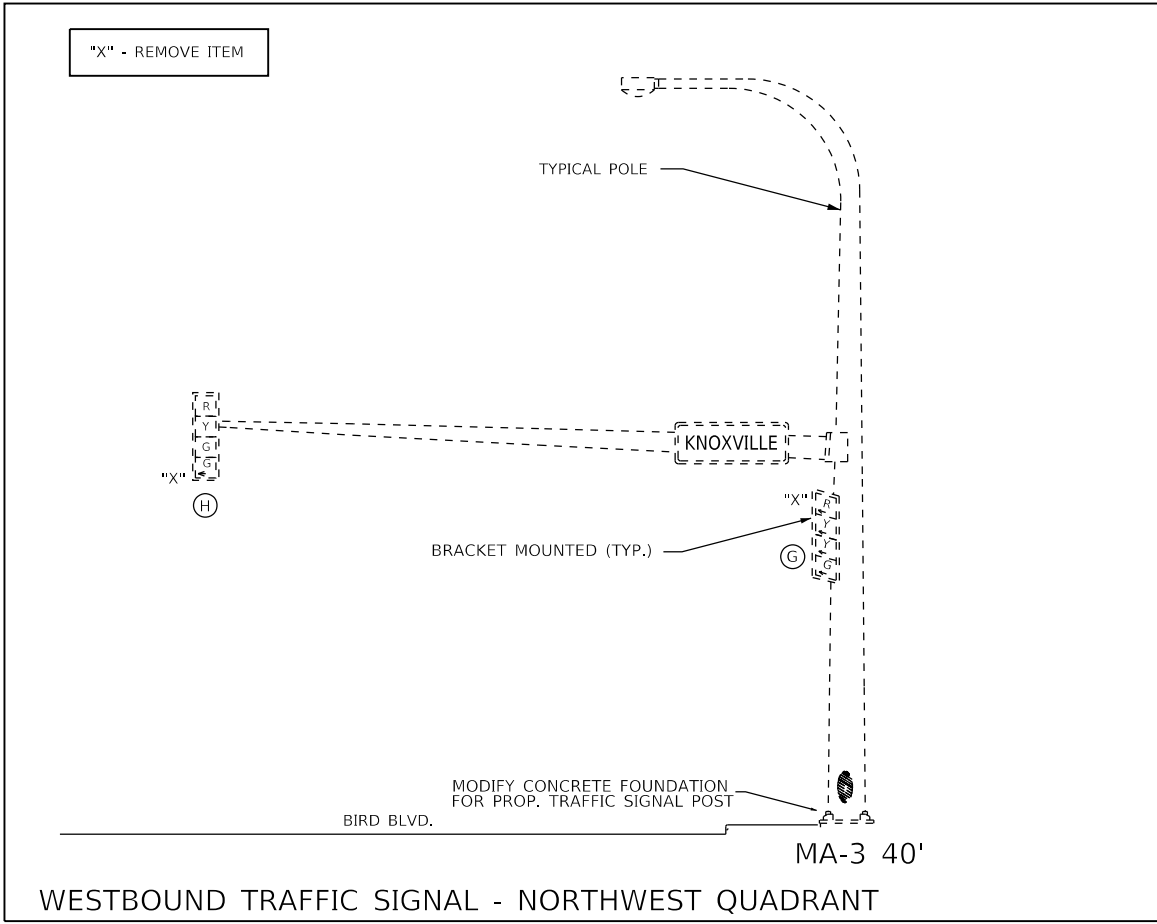
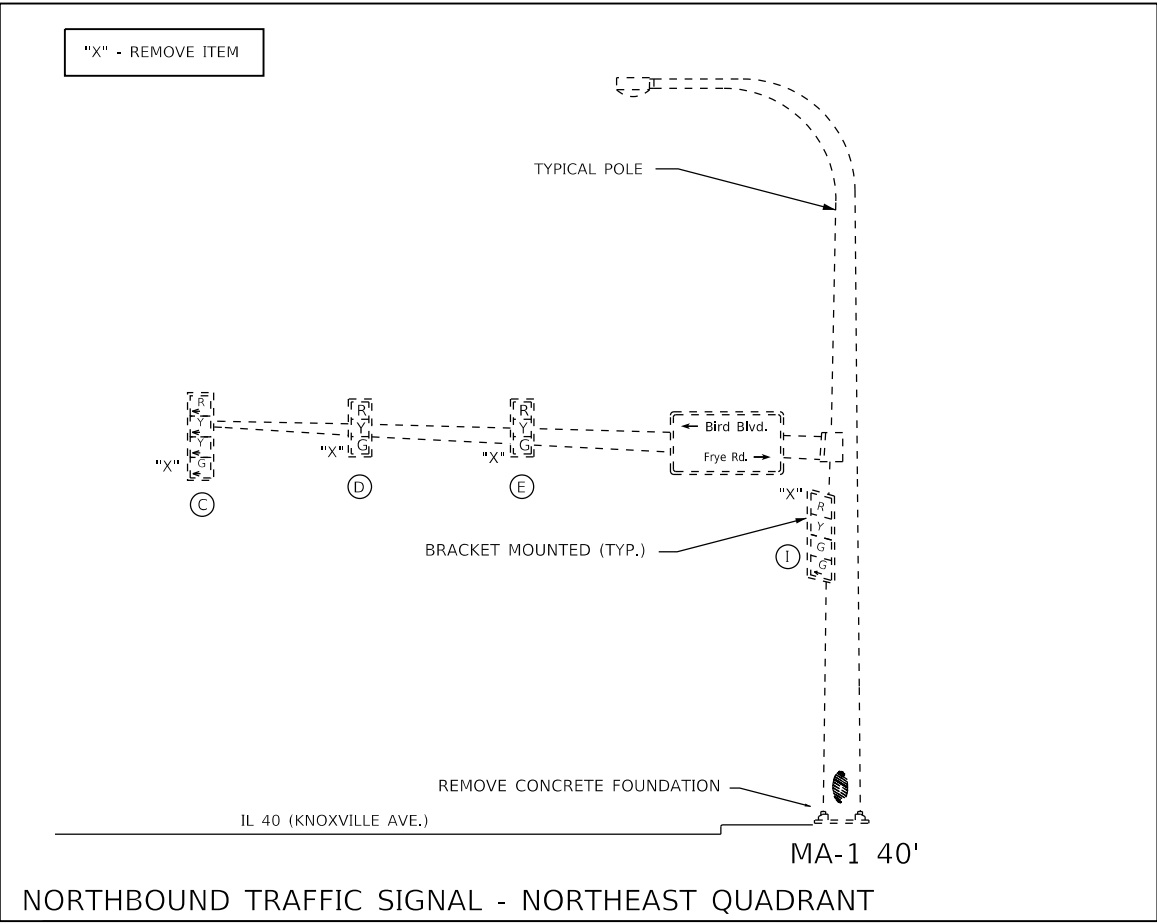
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REMOVAL PLANS, EXISTING CABLE & PHASE DIAGRAMS  
IL 40 (KNOXVILLE AVE.) & BIRD BLVD./FRYE RD. - PEORIA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2020	PEORIA	27	8
			CONTRACT NO. 68F20	
		ILLINOIS	FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.





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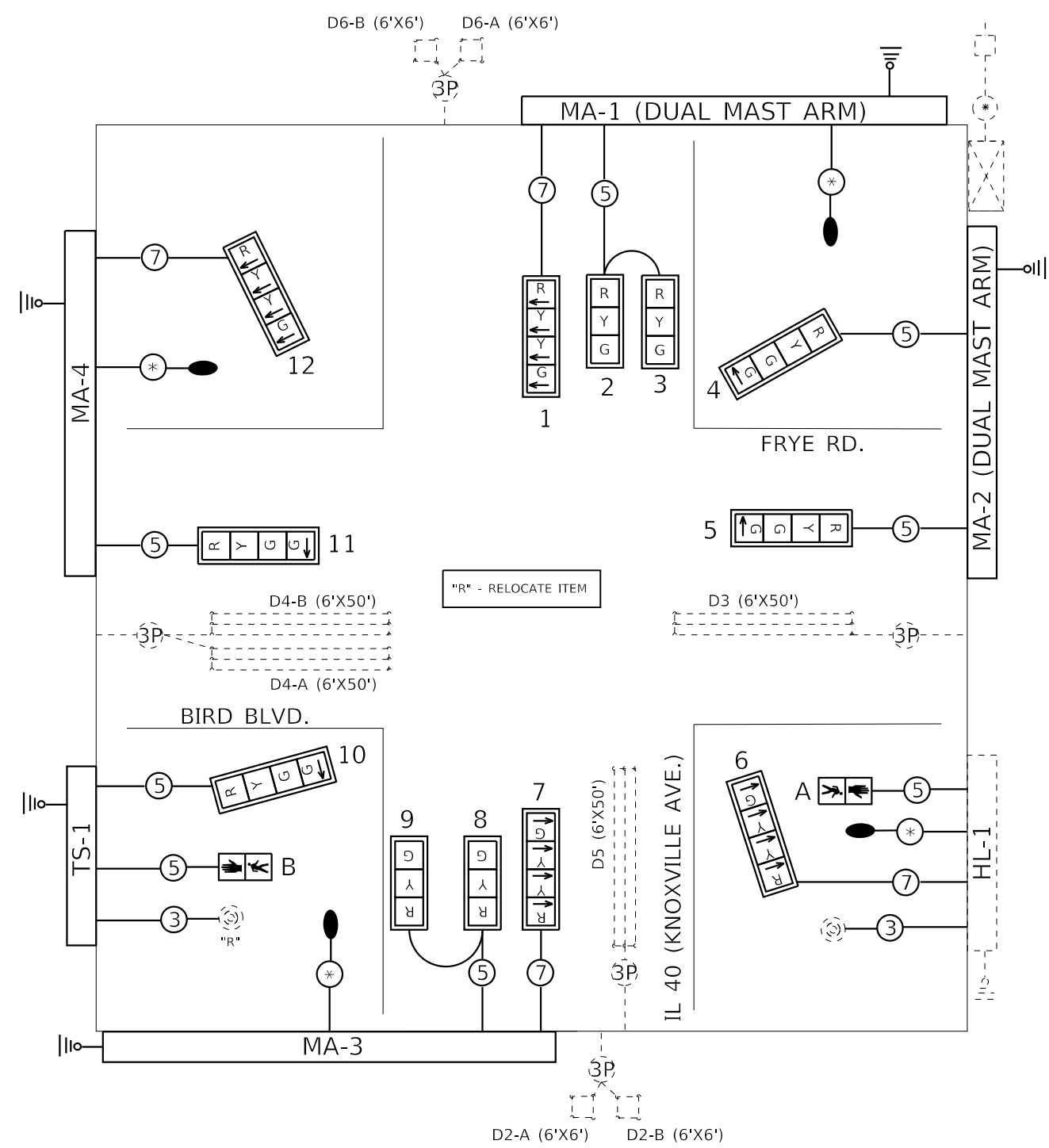
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EXISTING MAST ARM DETAILS			
IL 40 (KNOXVILLE AVE.) & BIRD BLVD./FRYE RD. - PEORIA			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2020	PEORIA	27	9
CONTRACT NO. 68F20				
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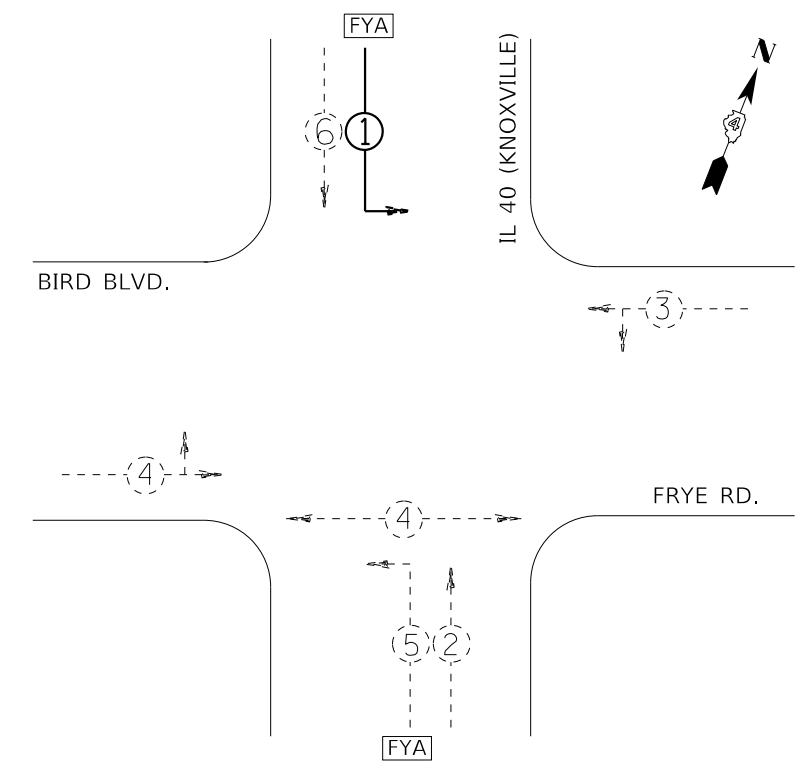
"R" - RELOCATE ITEM

TRAFFIC SIGNALS LEGEND

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

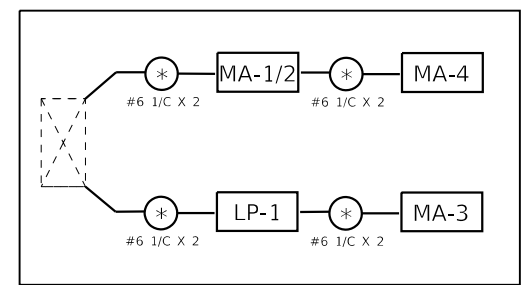
PROPOSED PHASE DIAGRAM

NAME OF INTERSECTION IL 40 (KNOXVILLE AVE.) & BIRD BLVD./ FRYE RD.  
 PROPOSED CONTROLLER: ECONOLITE COBALT (TS-2 TYPE 2) IN EX. TYPE IV  
 TS-2 CABINET (16 POS. LOAD BAY)



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

LUMINAIRE WIRING DIAGRAM



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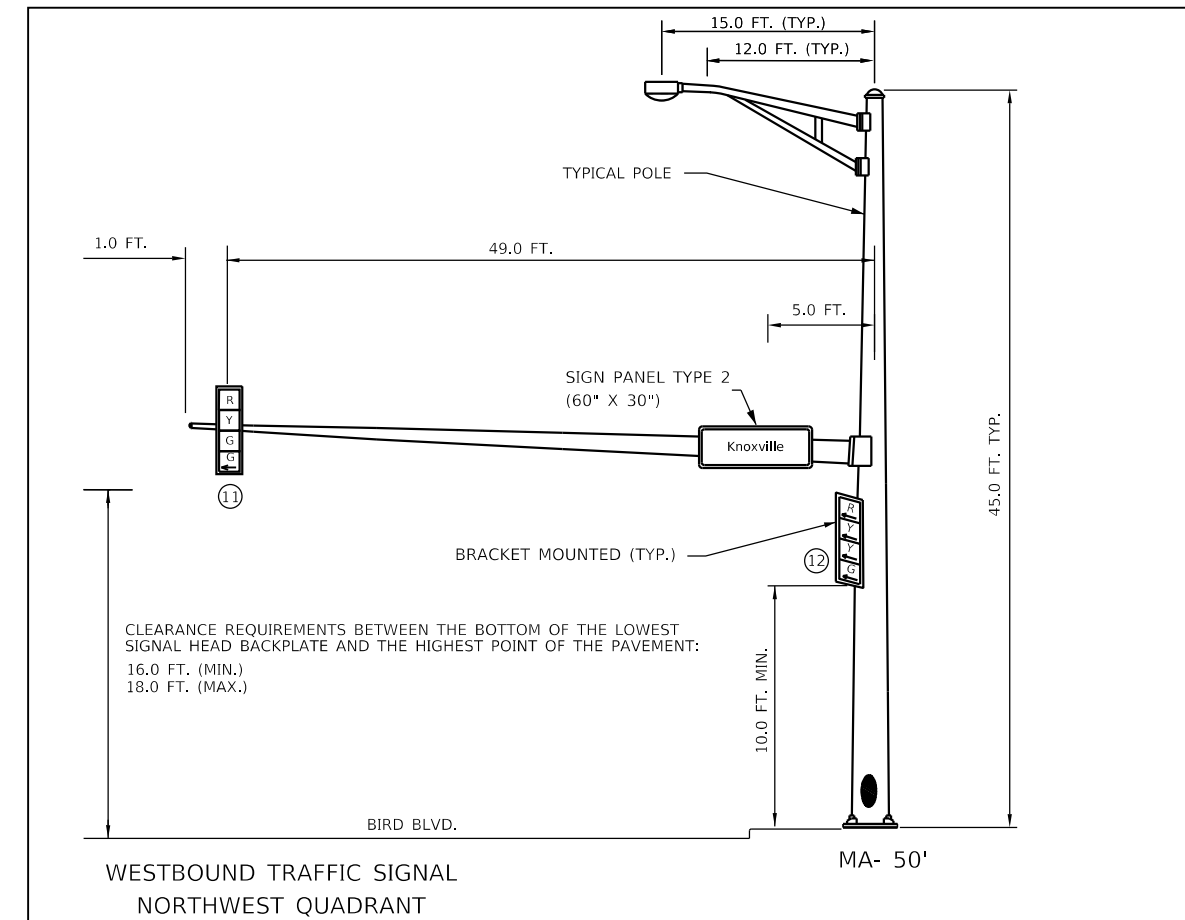
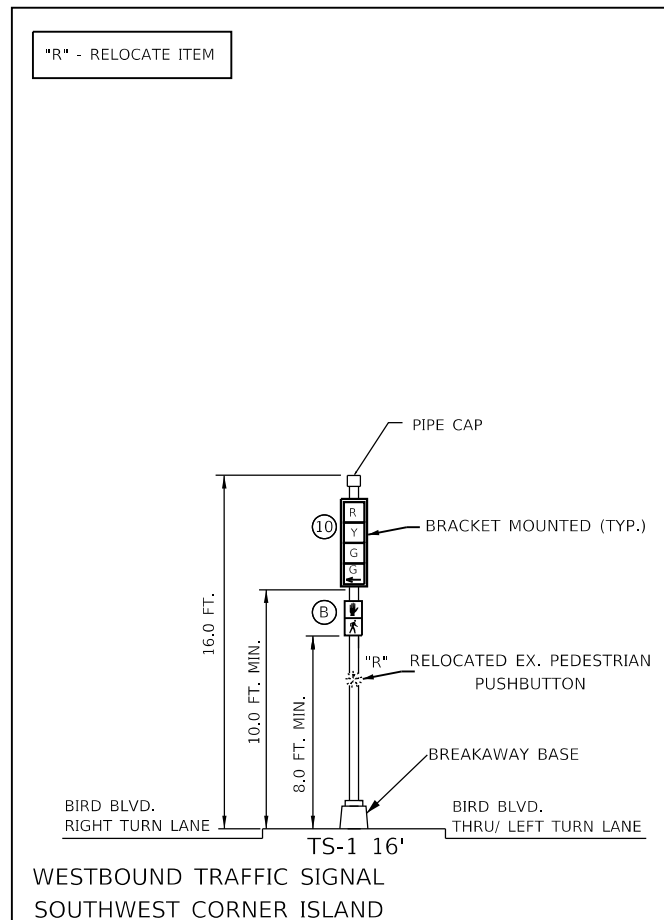
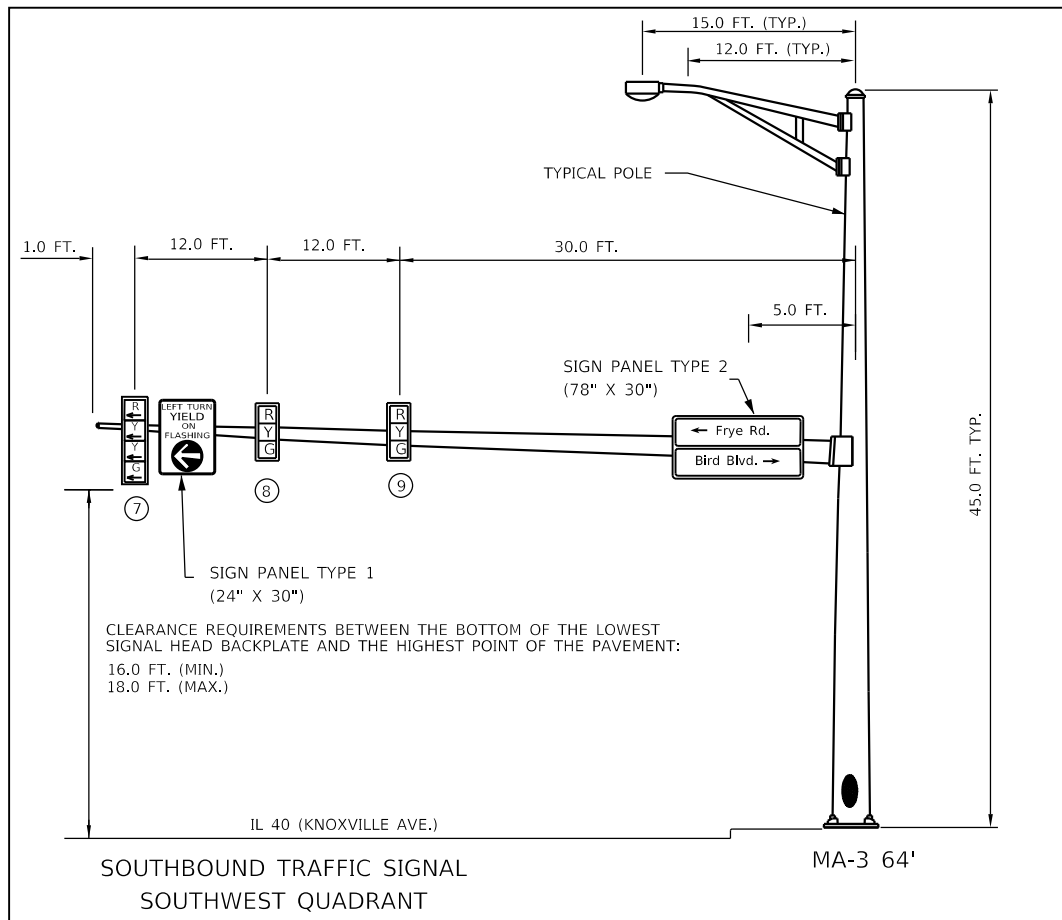
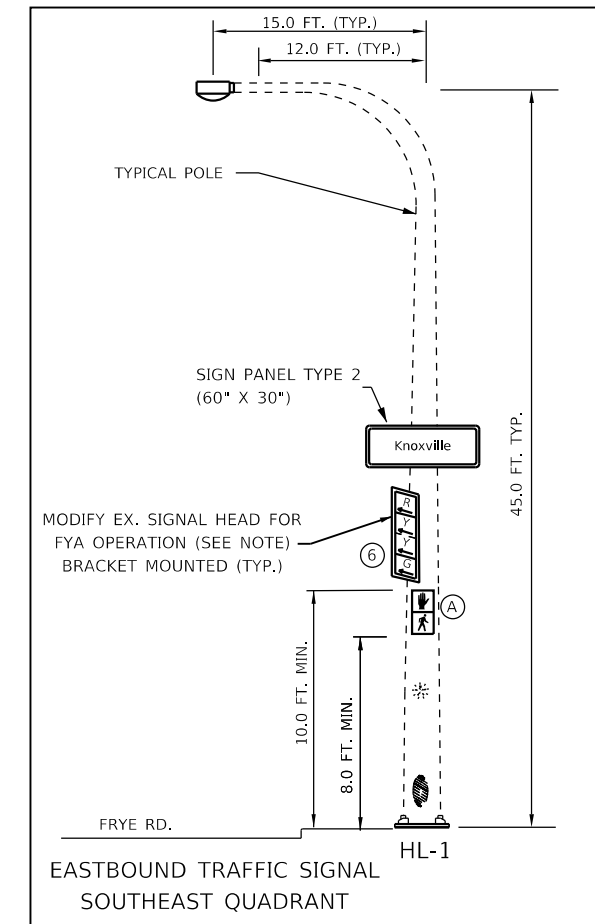
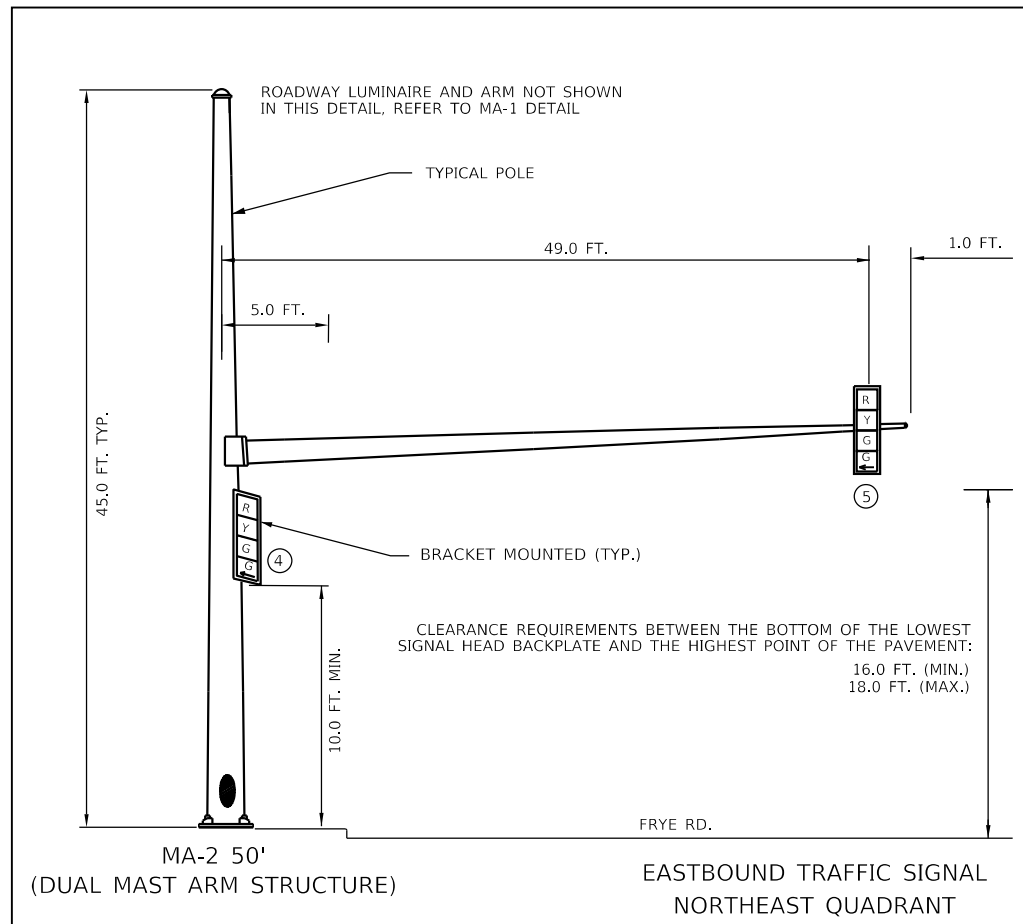
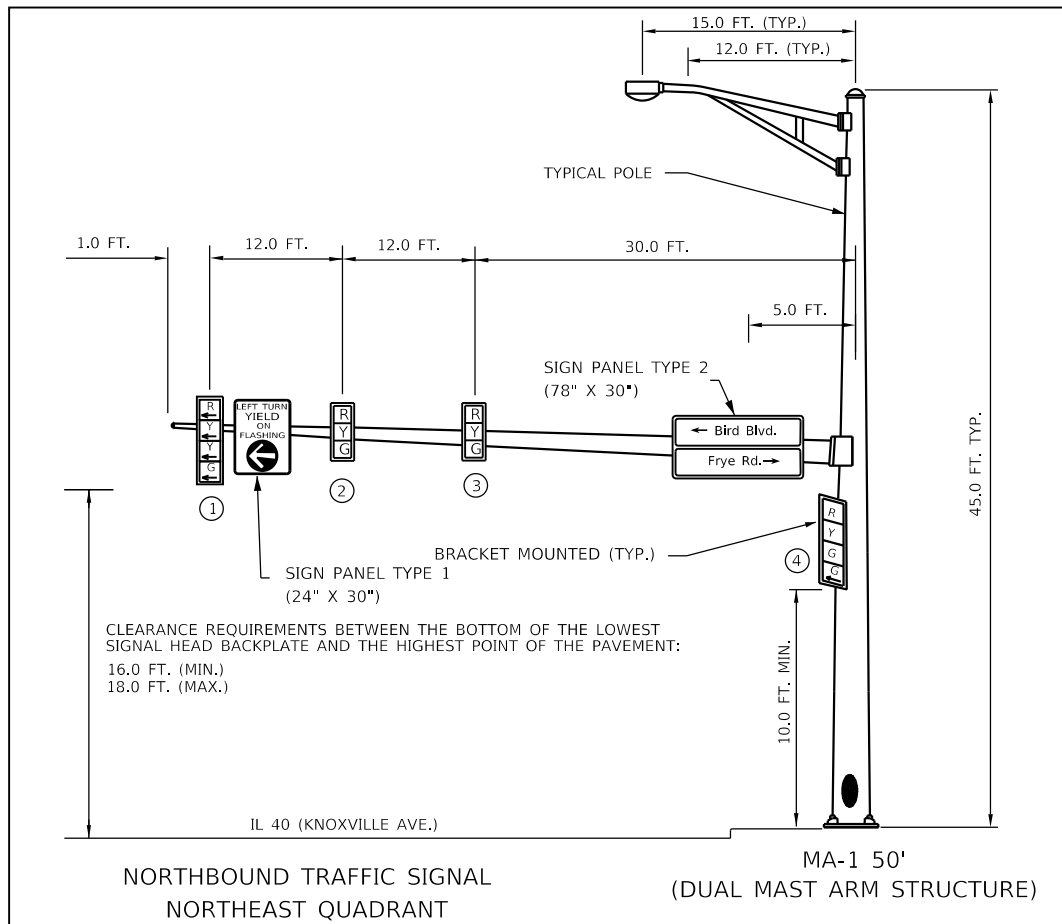
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DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL CABLE & PHASE DIAGRAMS  
IL 40 (KNOXVILLE AVE.) & BIRD BLVD./FRYE RD. - PEORIA

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2020	PEORIA	27	11
			CONTRACT NO. 68F20	
		ILLINOIS	FED. AID PROJECT	



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	DRAWN -	REVISED -
PLOT SCALE = 42.9315' / in.	CHECKED -	REVISED -
PLOT DATE = 2/2/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC MAST ARM DETAILS  
IL 40 (KNOXVILLE AVE.) & BIRD BLVD./FRYE RD. - PEORIA

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
VAR.	D4 MAST ARM REPLACEMENT 2020	PEORIA	27
			SHEET NO. 12
CONTRACT NO. 68F20			
ILLINOIS FED. AID PROJECT			

NOT TO SCALE

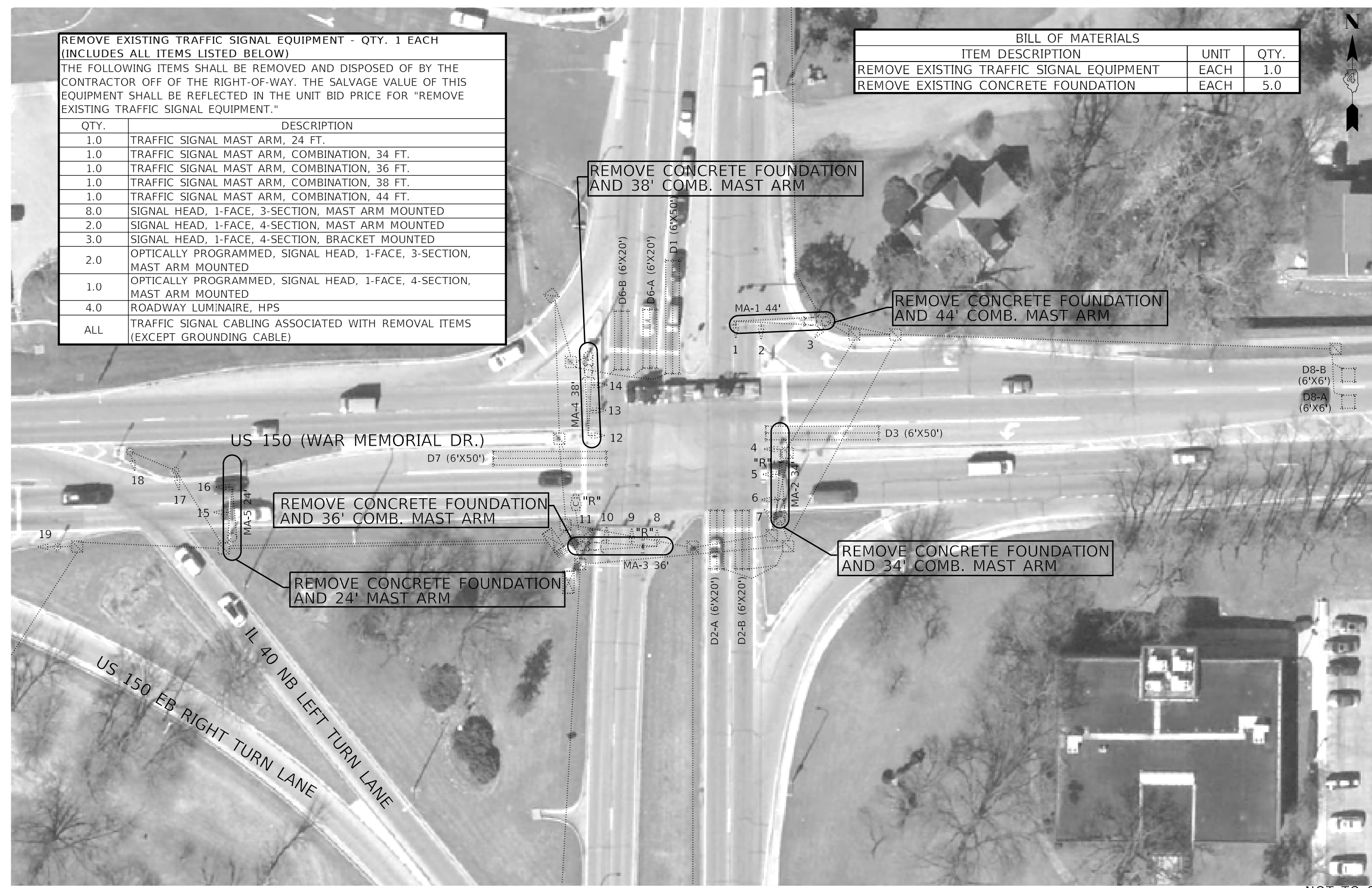


**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - QTY. 1 EACH (INCLUDES ALL ITEMS LISTED BELOW)**

THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY. THE SALVAGE VALUE OF THIS EQUIPMENT SHALL BE REFLECTED IN THE UNIT BID PRICE FOR "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."

QTY.	DESCRIPTION
1.0	TRAFFIC SIGNAL MAST ARM, 24 FT.
1.0	TRAFFIC SIGNAL MAST ARM, COMBINATION, 34 FT.
1.0	TRAFFIC SIGNAL MAST ARM, COMBINATION, 36 FT.
1.0	TRAFFIC SIGNAL MAST ARM, COMBINATION, 38 FT.
1.0	TRAFFIC SIGNAL MAST ARM, COMBINATION, 44 FT.
8.0	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2.0	SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED
3.0	SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
2.0	OPTICALLY PROGRAMMED, SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1.0	OPTICALLY PROGRAMMED, SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED
4.0	ROADWAY LUMINAIRE, HPS
ALL	TRAFFIC SIGNAL CABLING ASSOCIATED WITH REMOVAL ITEMS (EXCEPT GROUNDING CABLE)

BILL OF MATERIALS		
ITEM DESCRIPTION	UNIT	QTY.
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5.0



MODEL: Default  
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NOT TO SCALE

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PLOT DATE = 2/2/2020	DATE -	REVISED -

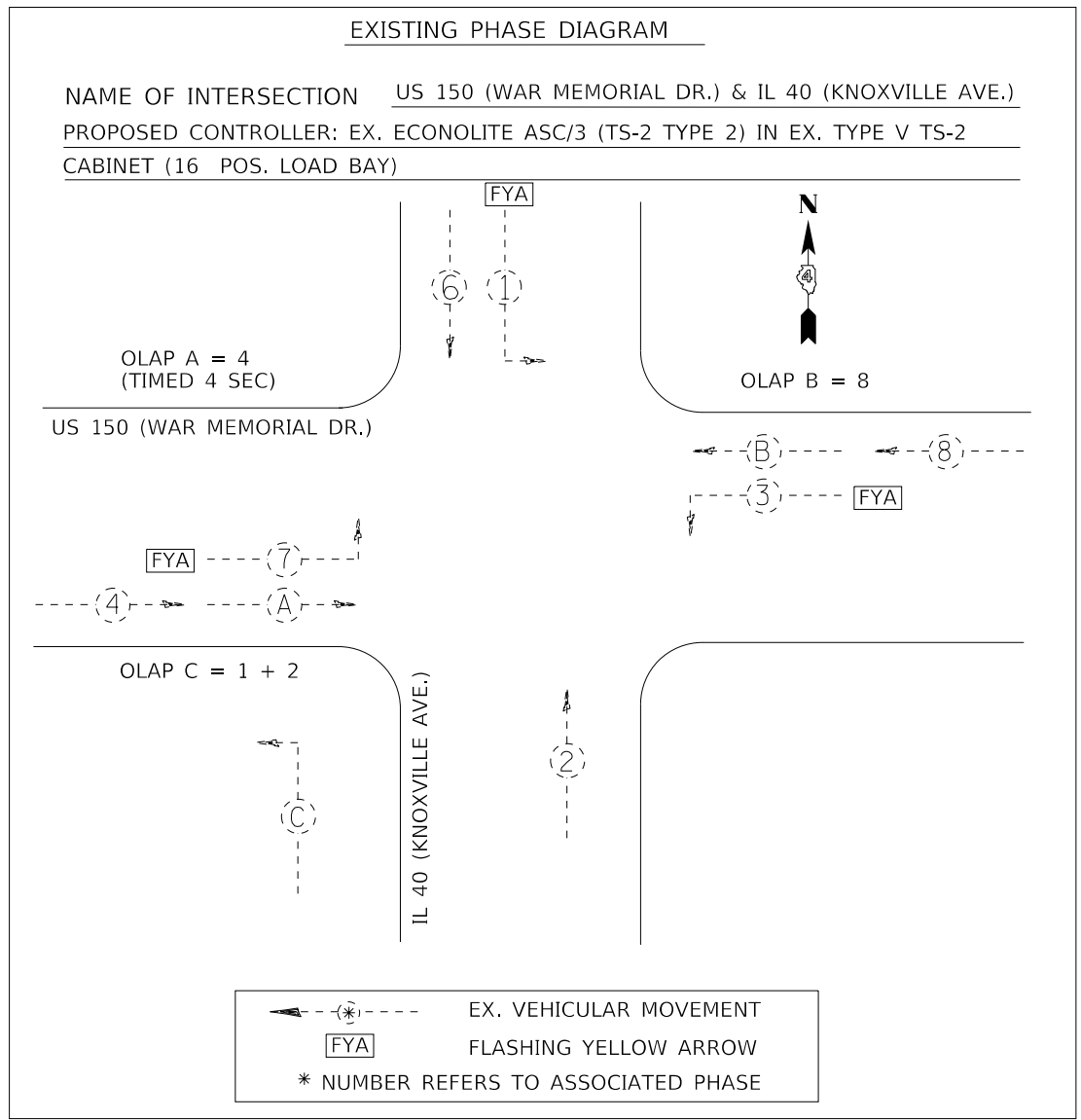
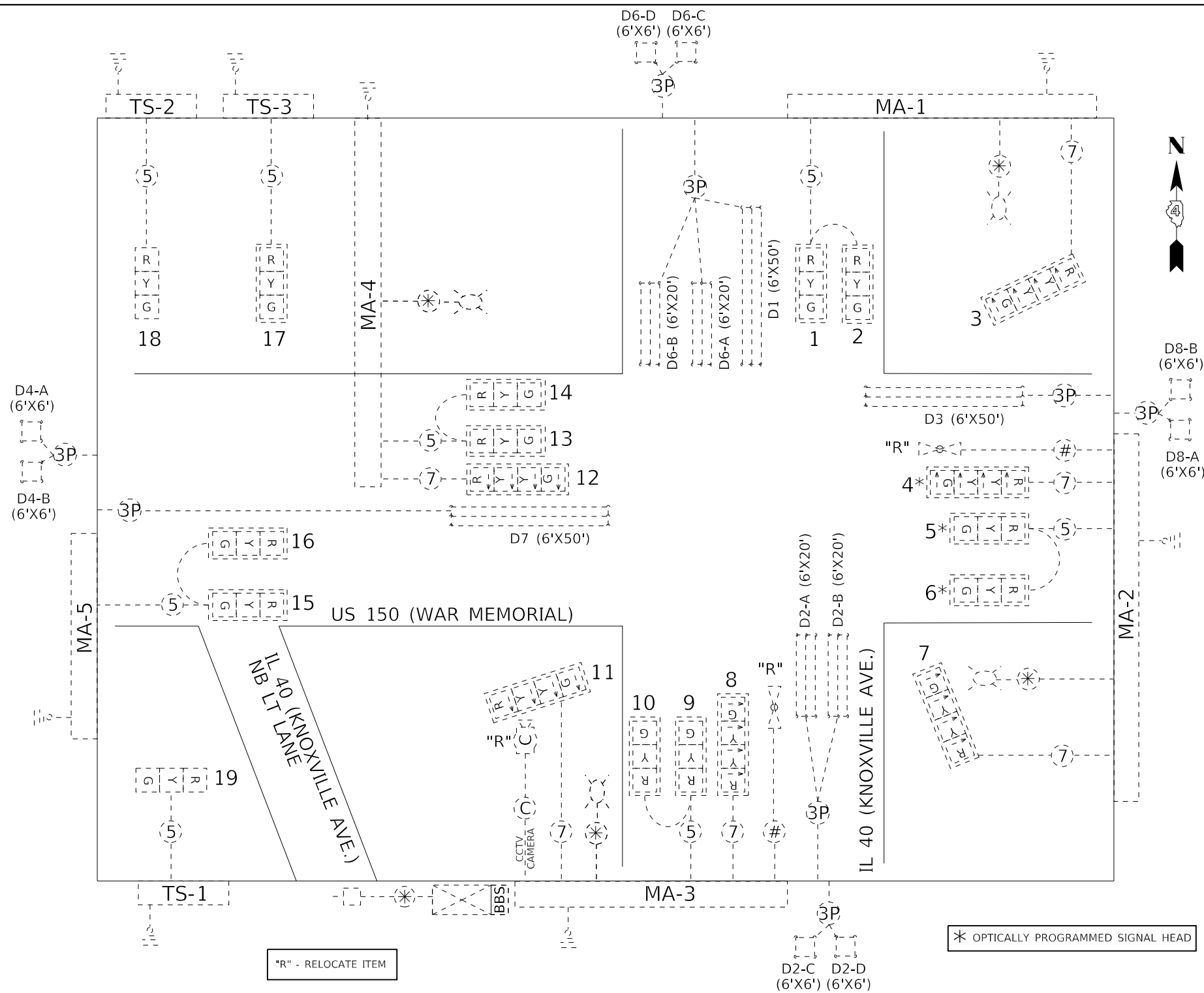
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL REMOVAL PLANS**  
**US 150 (WAR MEMORIAL DR.) & IL 40 (KNOXVILLE AVE.) - PEORIA**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2020	PEORIA	27	13
CONTRACT NO. 68F20				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

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"R" - RELOCATE ITEM

\* OPTICALLY PROGRAMMED SIGNAL HEAD

TRAFFIC SIGNALS LEGEND

- |   |   |  |
|---|---|--|
| EX. TRAFFIC SIGNAL CONTROLLER AND CABINET | EX. 3 SEC. SIGNAL HEAD W/BACKPLATE      | (5) EX. 5/C NO. 14 SIGNAL CABLE            |
| EX. BATTERY BACKUP SYSTEM                 | EX. 3 SEC. SIGNAL HEAD W/ OUT BACKPLATE | (7) EX. 7/C NO. 14 SIGNAL CABLE            |
| EX. ELECTRIC SERVICE                      | EX. GROUND/SAFETY BOND                  | (C) EX. CAT5E CABLE, SHIELDED              |
| EX. DETECTOR LOOP                         | EX. CCTV CAMERA                         | (3P) EX. NO. 18 3-PAIR DETECTOR LOOP CABLE |
| EX. QUADRAPOLE DETECTOR LOOP              | EX. LUMINIARE                           | (*) EX. #6 1/C CABLE                       |
|   | EX. EVP CONFIRMATION BEACON             | (#) EX. EVP CABLE                          |

NOT TO SCALE

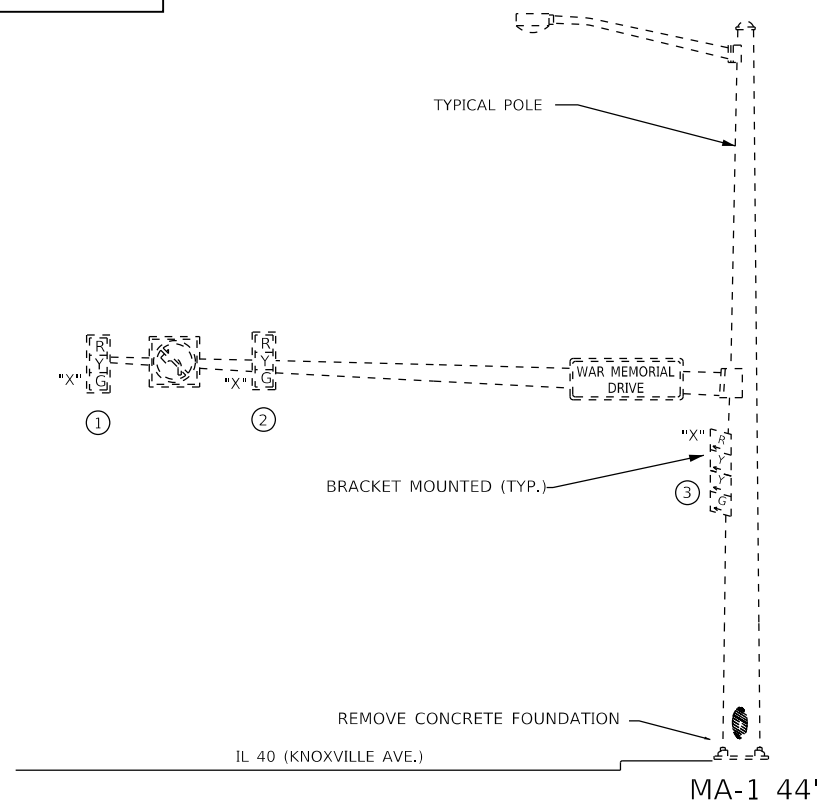
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PLOT DATE = 2/2/2020	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL CABLE & PHASE DIAGRAMS  
 US 150 (WAR MEMORIAL DR.) & IL 40 (KNOXVILLE AVE.) - PEORIA

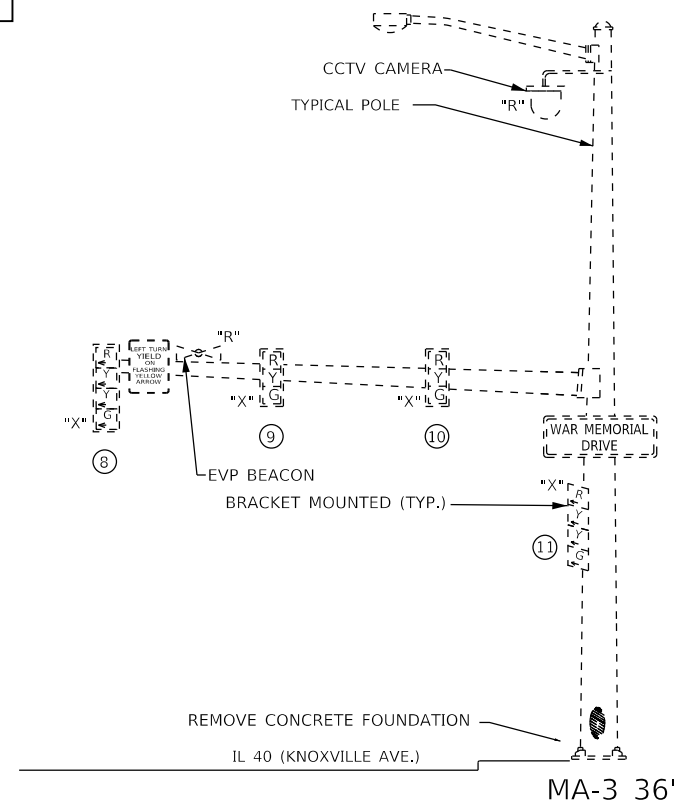
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	D4 MAST ARM REPLACEMENT 2020	PEORIA	27	14
CONTRACT NO. 68F20				
ILLINOIS FED. AID PROJECT				

"X" - REMOVE ITEM



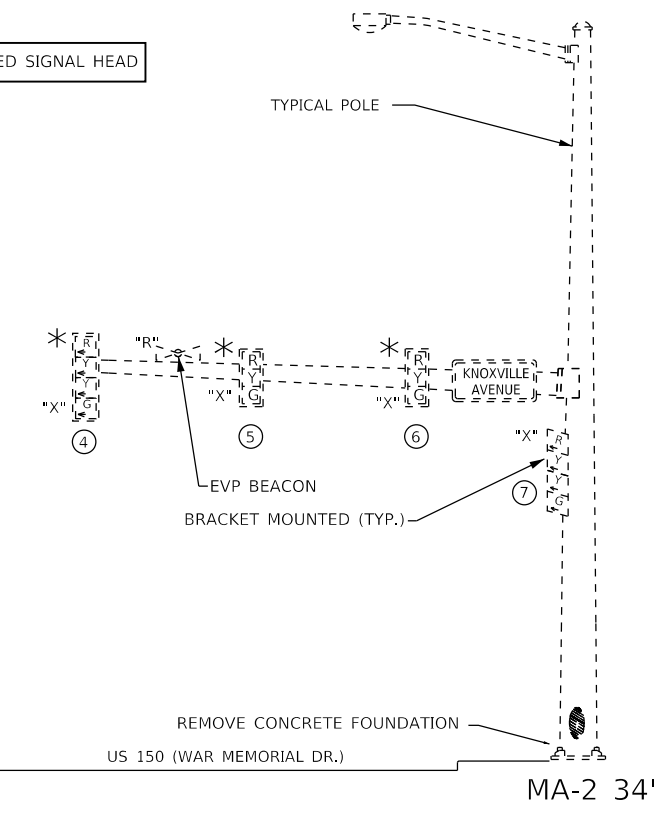
NORTHBOUND TRAFFIC SIGNAL - NORTHEAST QUADRANT

"R" - RELOCATE ITEM  
"X" - REMOVE ITEM



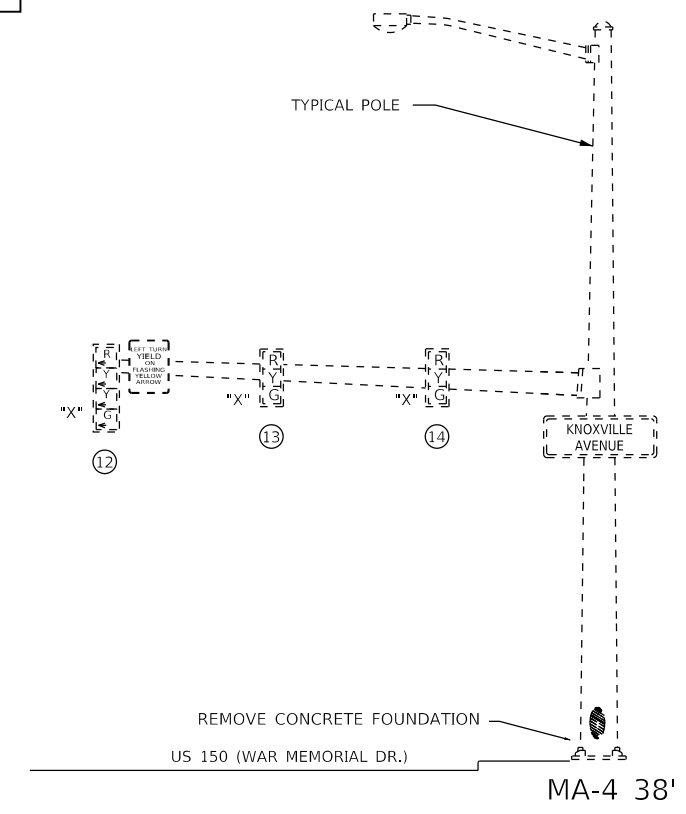
SOUTHBOUND TRAFFIC SIGNAL - SOUTHWEST QUADRANT

"R" - RELOCATE ITEM  
"X" - REMOVE ITEM  
\* OPTICALLY PROGRAMMED SIGNAL HEAD

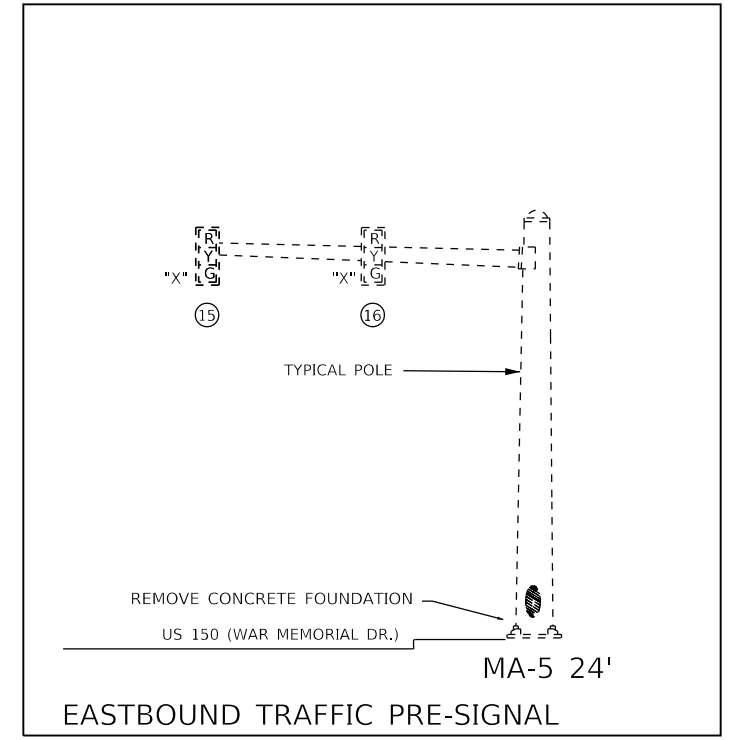


EASTBOUND TRAFFIC SIGNAL - SOUTHEAST QUADRANT

"X" - REMOVE ITEM



WESTBOUND TRAFFIC SIGNAL - NORTHWEST QUADRANT



EASTBOUND TRAFFIC PRE-SIGNAL

MODEL: Default  
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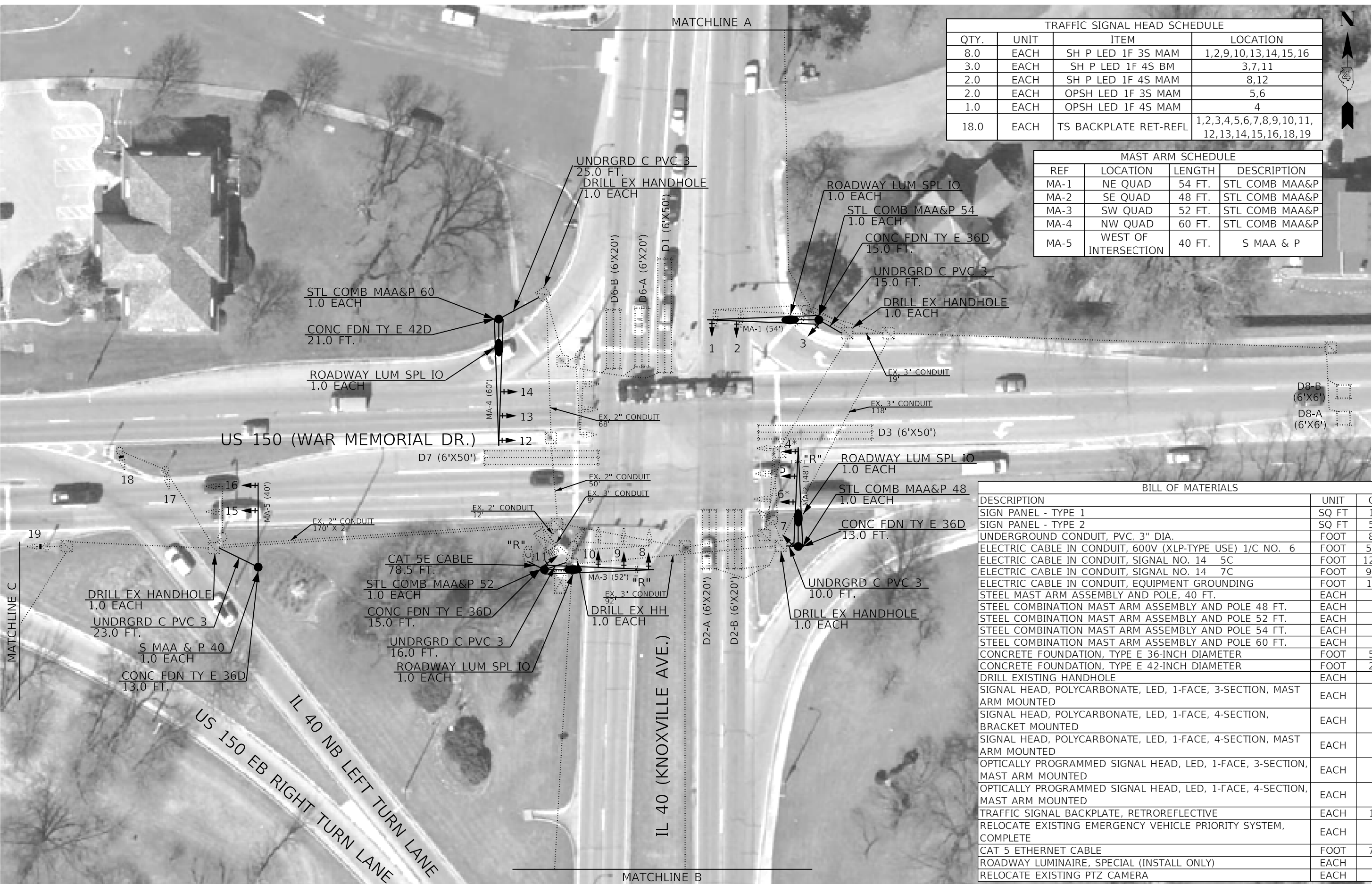
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PLOT DATE = 2/2/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING MAST ARM DETAILS  
US 150 (WAR MEMORIAL DR.) & IL 40 (KNOXVILLE AVE.) - PEORIA**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2020	PEORIA	27	15
CONTRACT NO. 68F20				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE



TRAFFIC SIGNAL HEAD SCHEDULE			
QTY.	UNIT	ITEM	LOCATION
8.0	EACH	SH P LED 1F 3S MAM	1,2,9,10,13,14,15,16
3.0	EACH	SH P LED 1F 4S BM	3,7,11
2.0	EACH	SH P LED 1F 4S MAM	8,12
2.0	EACH	OPSH LED 1F 3S MAM	5,6
1.0	EACH	OPSH LED 1F 4S MAM	4
18.0	EACH	TS BACKPLATE RET-REFL	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,18,19

MAST ARM SCHEDULE			
REF	LOCATION	LENGTH	DESCRIPTION
MA-1	NE QUAD	54 FT.	STL COMB MAA&P
MA-2	SE QUAD	48 FT.	STL COMB MAA&P
MA-3	SW QUAD	52 FT.	STL COMB MAA&P
MA-4	NW QUAD	60 FT.	STL COMB MAA&P
MA-5	WEST OF INTERSECTION	40 FT.	S MAA & P

BILL OF MATERIALS		
DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	15.0
SIGN PANEL - TYPE 2	SQ FT	57.5
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	89.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	515.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1223.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	984.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING	FOOT	151.5
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	56.0
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21.0
DRILL EXISTING HANDHOLE	EACH	5.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2.0
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2.0
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	18.0
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE	EACH	1.0
CAT 5 ETHERNET CABLE	FOOT	78.5
ROADWAY LUMINAIRE, SPECIAL (INSTALL ONLY)	EACH	4.0
RELOCATE EXISTING PTZ CAMERA	EACH	1.0

MODEL: Default  
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USER NAME = howalder	DESIGNED -	REVISED -
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PLOT DATE = 2/2/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL PLANS**  
**US 150 (WAR MEMORIAL DR.) & IL 40 (KNOXVILLE AVE.) - PEORIA**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2020	PEORIA	27	16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68F20	

NOT TO SCALE



MODEL: Default  
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NOT TO SCALE

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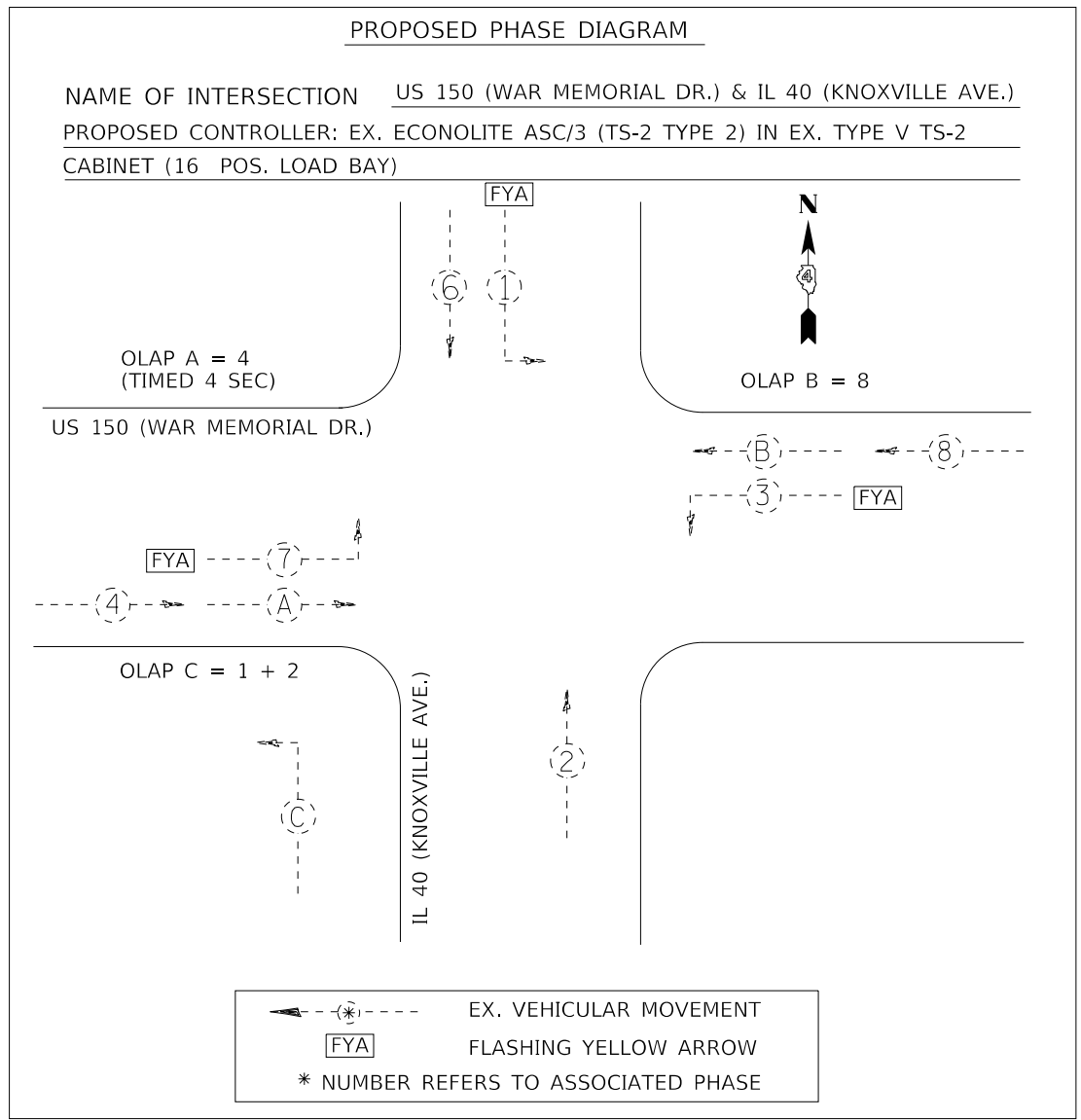
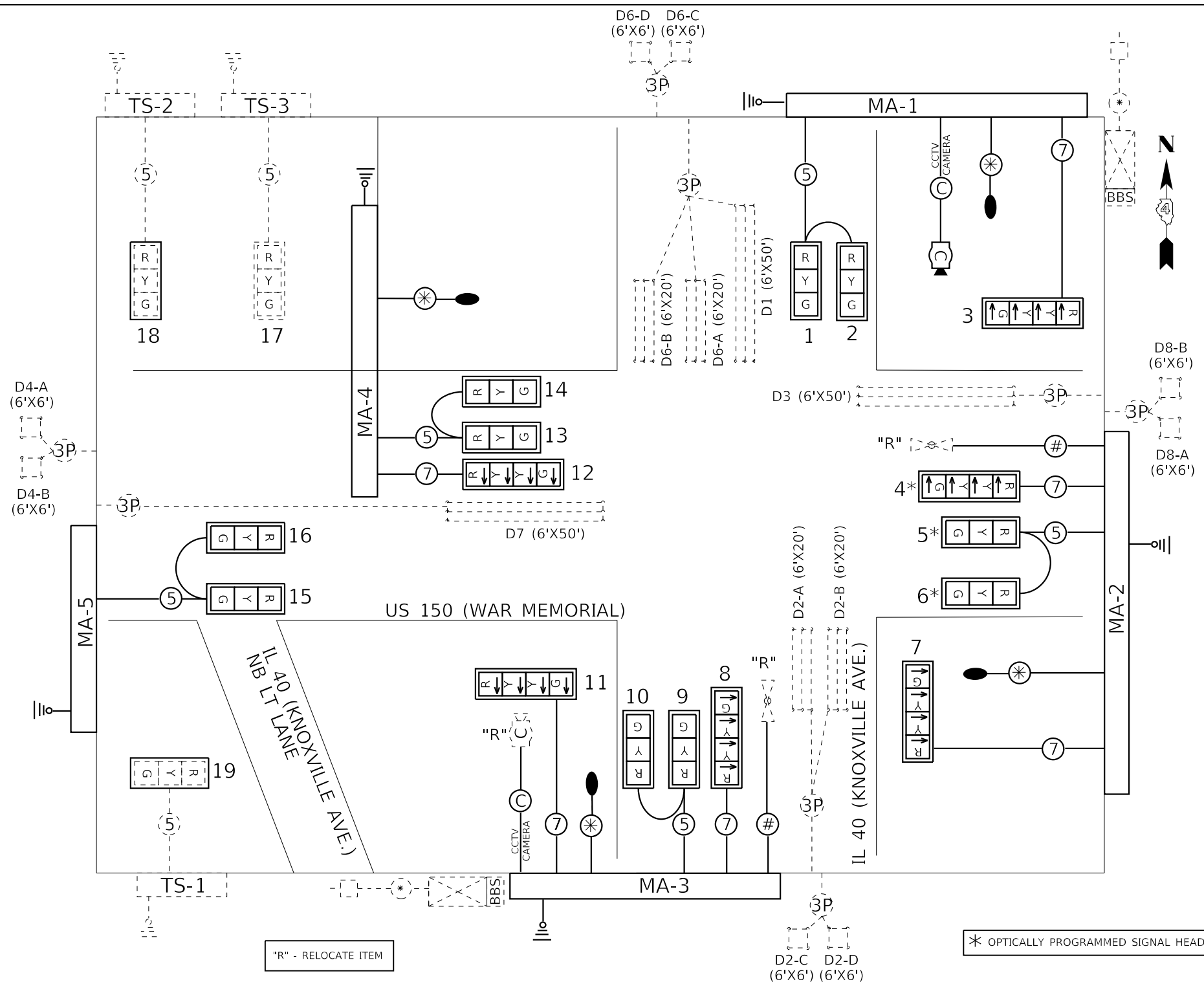
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL PLANS - CONTINUED  
 US 150 (WAR MEMORIAL DR.) & IL 40 (KNOXVILLE AVE.) - PEORIA**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2020	PEORIA	27	17
CONTRACT NO. 68F20				
ILLINOIS		FED. AID PROJECT		

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"R" - RELOCATE ITEM

\* OPTICALLY PROGRAMMED SIGNAL HEAD

TRAFFIC SIGNALS LEGEND

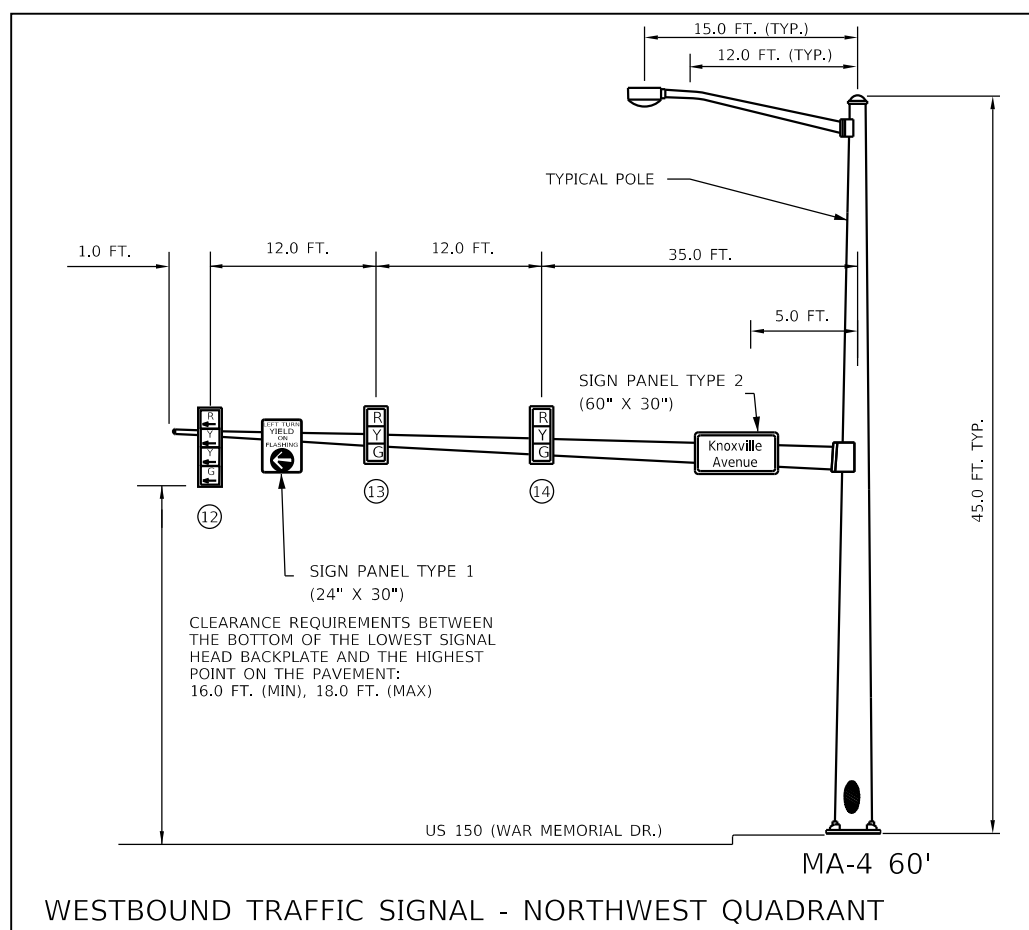
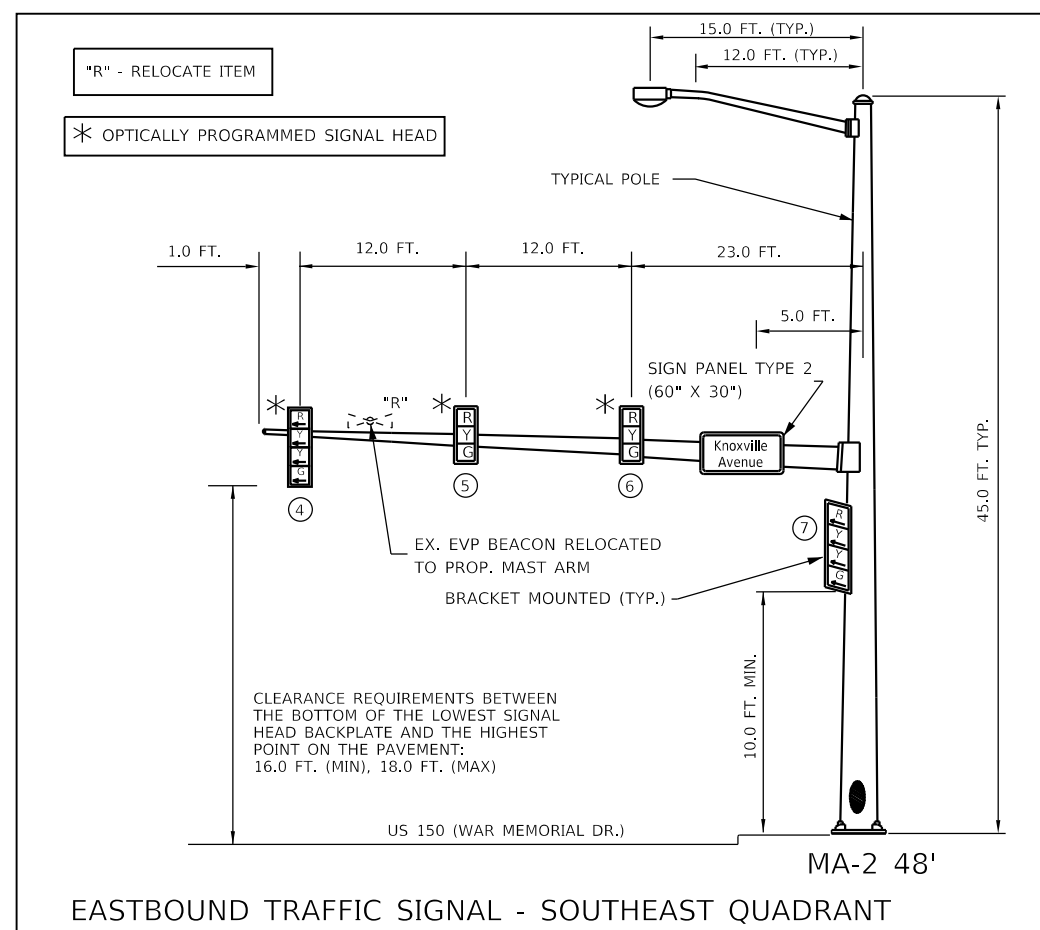
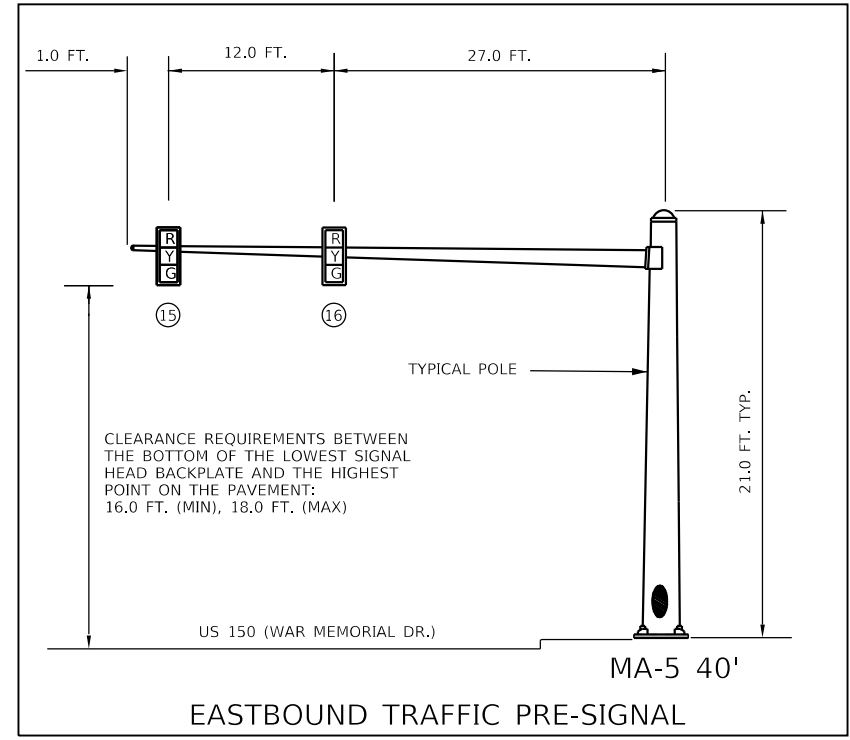
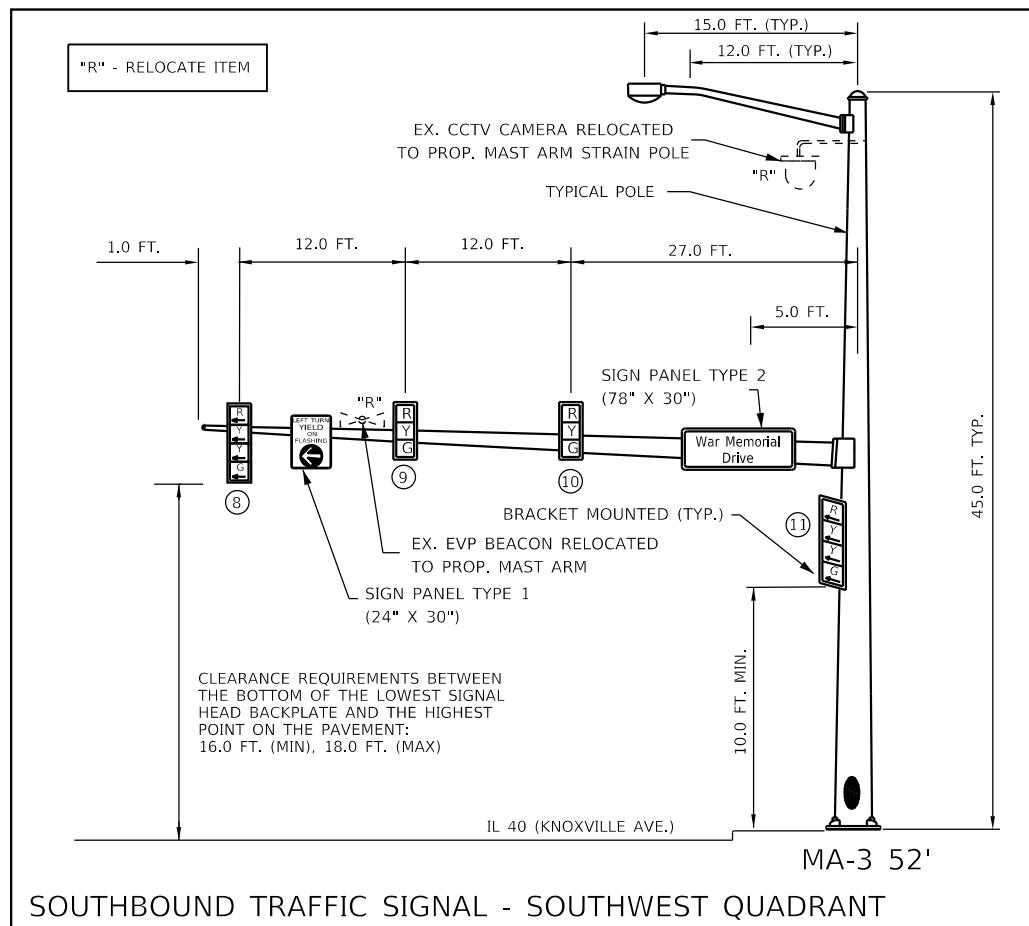
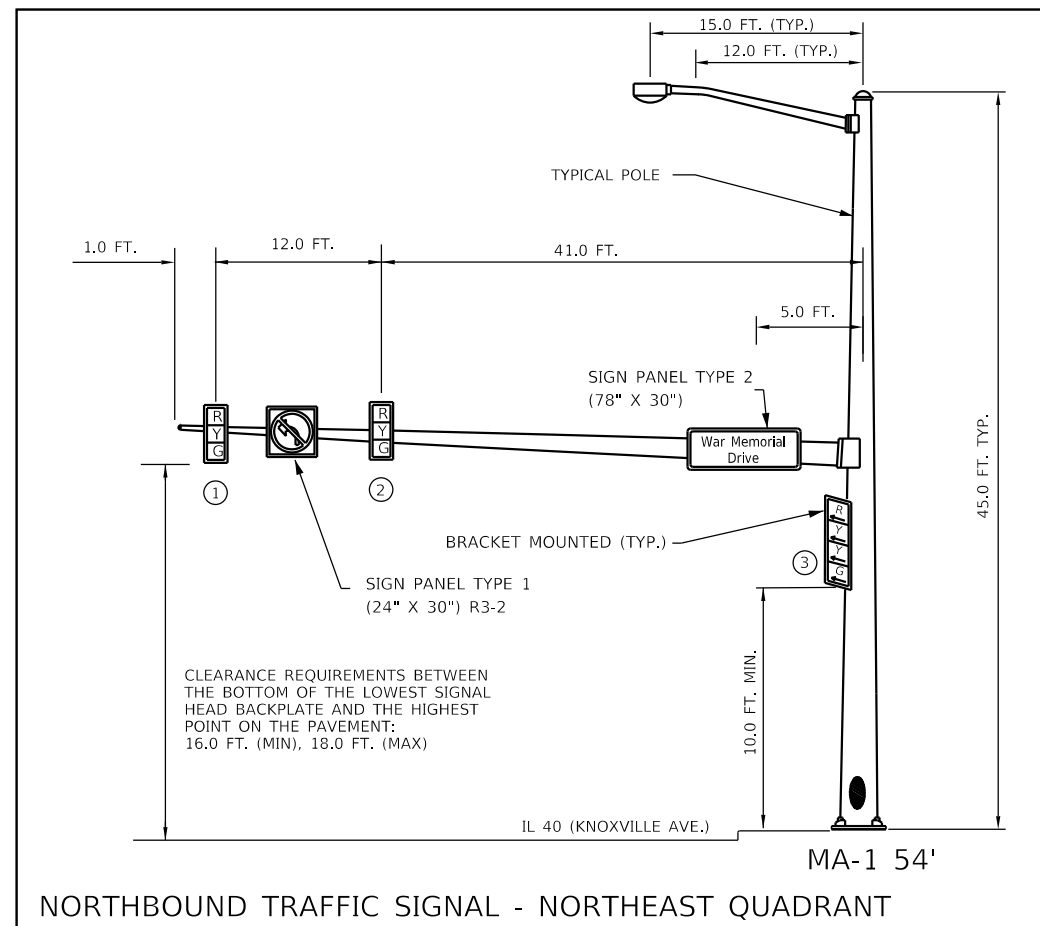
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|---|---|---------------------------------------|
| EX. TRAFFIC SIGNAL CONTROLLER AND CABINET | EX. 3 SEC. SIGNAL HEAD W/ BACKPLATE                         | PROP. 5/C NO. 14 SIGNAL CABLE         |
| EX. BATTERY BACKUP SYSTEM                 | EX. 3 SEC. SIGNAL HEAD W/ PROP. BACKPLATE                   | EX. 7/C NO. 14 SIGNAL CABLE           |
| EX. ELECTRIC SERVICE                      | PROP. 3 SEC. SIGNAL HEAD W/ BACKPLATE                       | PROP. 7/C NO. 14 SIGNAL CABLE         |
| EX. DETECTOR LOOP                         | PROP. 3 SEC. SIGNAL HEAD W/ BACKPLATE, OPTICALLY PROGRAMMED | PROP. CAT5E CABLE, SHIELDED           |
| EX. QUADRAPOLE DETECTOR LOOP              | EX. CCTV CAMERA   | EX. NO. 18 3-PAIR DETECTOR LOOP CABLE |
| EX. GROUND/SAFETY BOND                    | PROP. LED LUMINAIRE   | PROP. #6 1/C CABLE X 2                |
| PROP. GROUND/SAFETY BOND                  | EX. EVP CONFIRMATION BEACON                                 | PROP. EVP CABLE                       |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL CABLE & PHASE DIAGRAMS  
 US 150 (WAR MEMORIAL DR.) & IL 40 (KNOXVILLE AVE.) - PEORIA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2020	PEORIA	27	18
CONTRACT NO. 68F20				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE



NOT TO SCALE

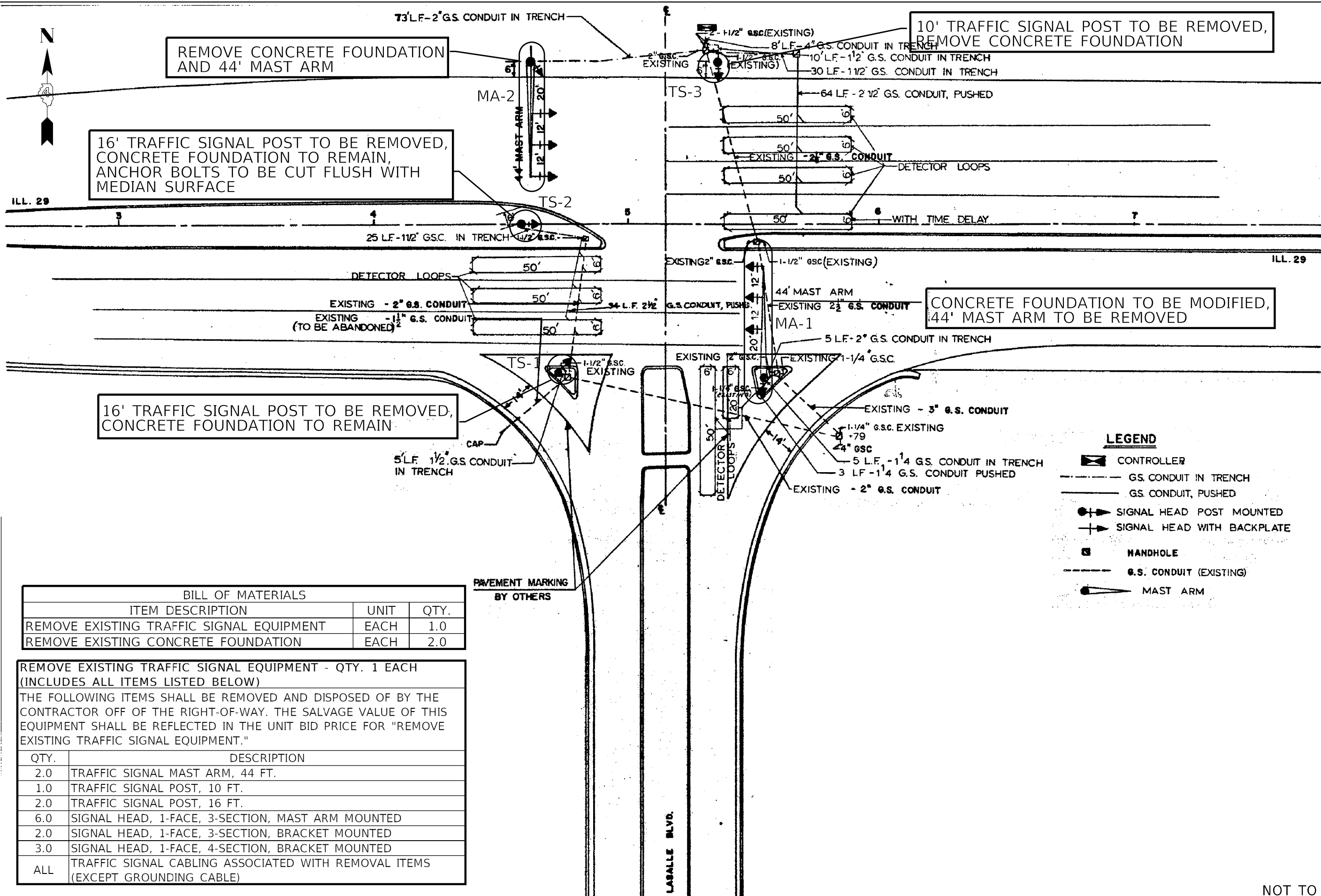
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PLOT DATE = 2/2/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED MAST ARM DETAILS  
US 150 (WAR MEMORIAL DR.) & IL 40 (KNOXVILLE AVE.) - PEORIA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2020	PEORIA	27	19
CONTRACT NO. 68F20				
ILLINOIS FED. AID PROJECT				



REMOVE CONCRETE FOUNDATION AND 44' MAST ARM

16' TRAFFIC SIGNAL POST TO BE REMOVED, CONCRETE FOUNDATION TO REMAIN, ANCHOR BOLTS TO BE CUT FLUSH WITH MEDIAN SURFACE

10' TRAFFIC SIGNAL POST TO BE REMOVED, REMOVE CONCRETE FOUNDATION

CONCRETE FOUNDATION TO BE MODIFIED, 44' MAST ARM TO BE REMOVED

16' TRAFFIC SIGNAL POST TO BE REMOVED, CONCRETE FOUNDATION TO REMAIN

BILL OF MATERIALS		
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 EACH (INCLUDES ALL ITEMS LISTED BELOW)  
 THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY. THE SALVAGE VALUE OF THIS EQUIPMENT SHALL BE REFLECTED IN THE UNIT BID PRICE FOR "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."

QTY.	DESCRIPTION
2.0	TRAFFIC SIGNAL MAST ARM, 44 FT.
1.0	TRAFFIC SIGNAL POST, 10 FT.
2.0	TRAFFIC SIGNAL POST, 16 FT.
6.0	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2.0	SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
3.0	SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
ALL	TRAFFIC SIGNAL CABLING ASSOCIATED WITH REMOVAL ITEMS (EXCEPT GROUNDING CABLE)

**LEGEND**

- CONTROLLER
- GS. CONDUIT IN TRENCH
- GS. CONDUIT, PUSHED
- SIGNAL HEAD POST MOUNTED
- SIGNAL HEAD WITH BACKPLATE
- HANDHOLE
- G.S. CONDUIT (EXISTING)
- MAST ARM

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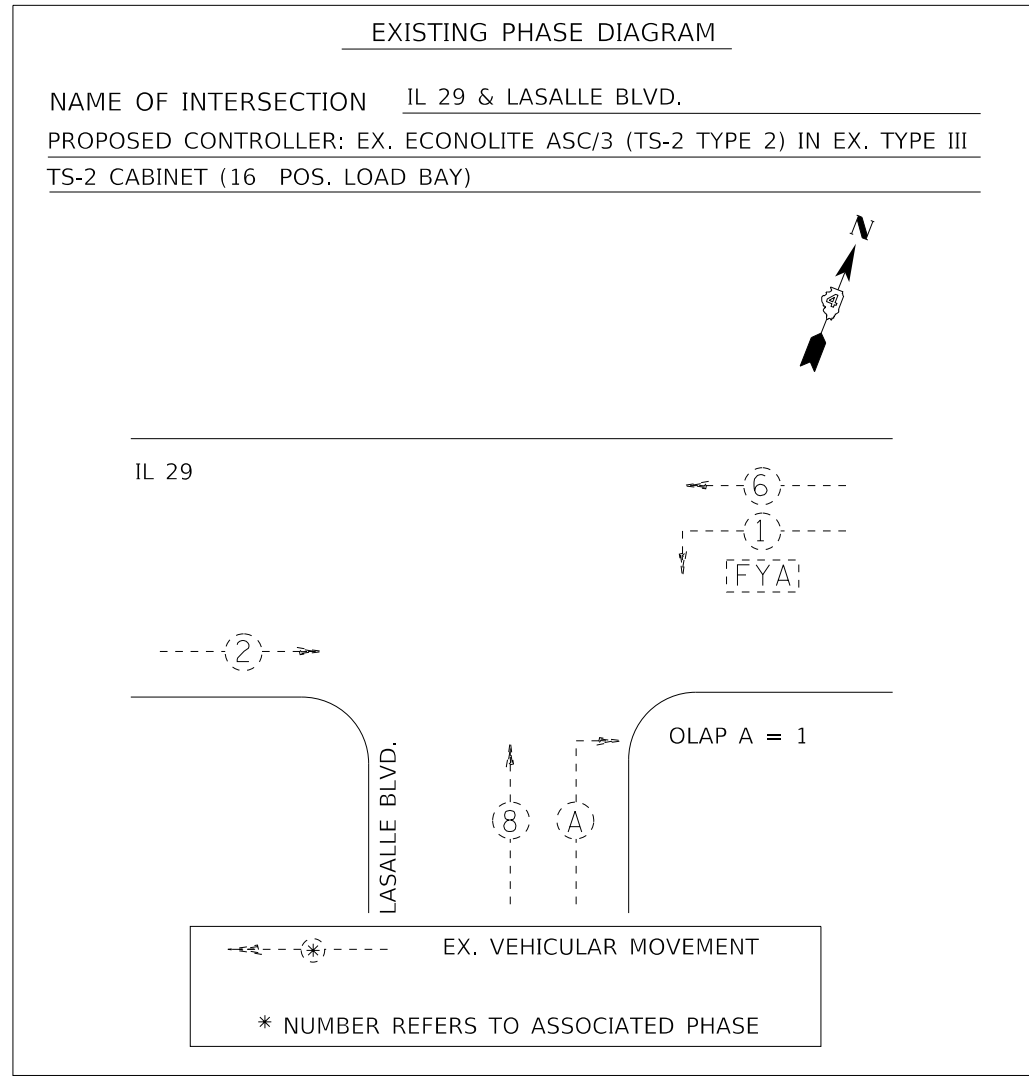
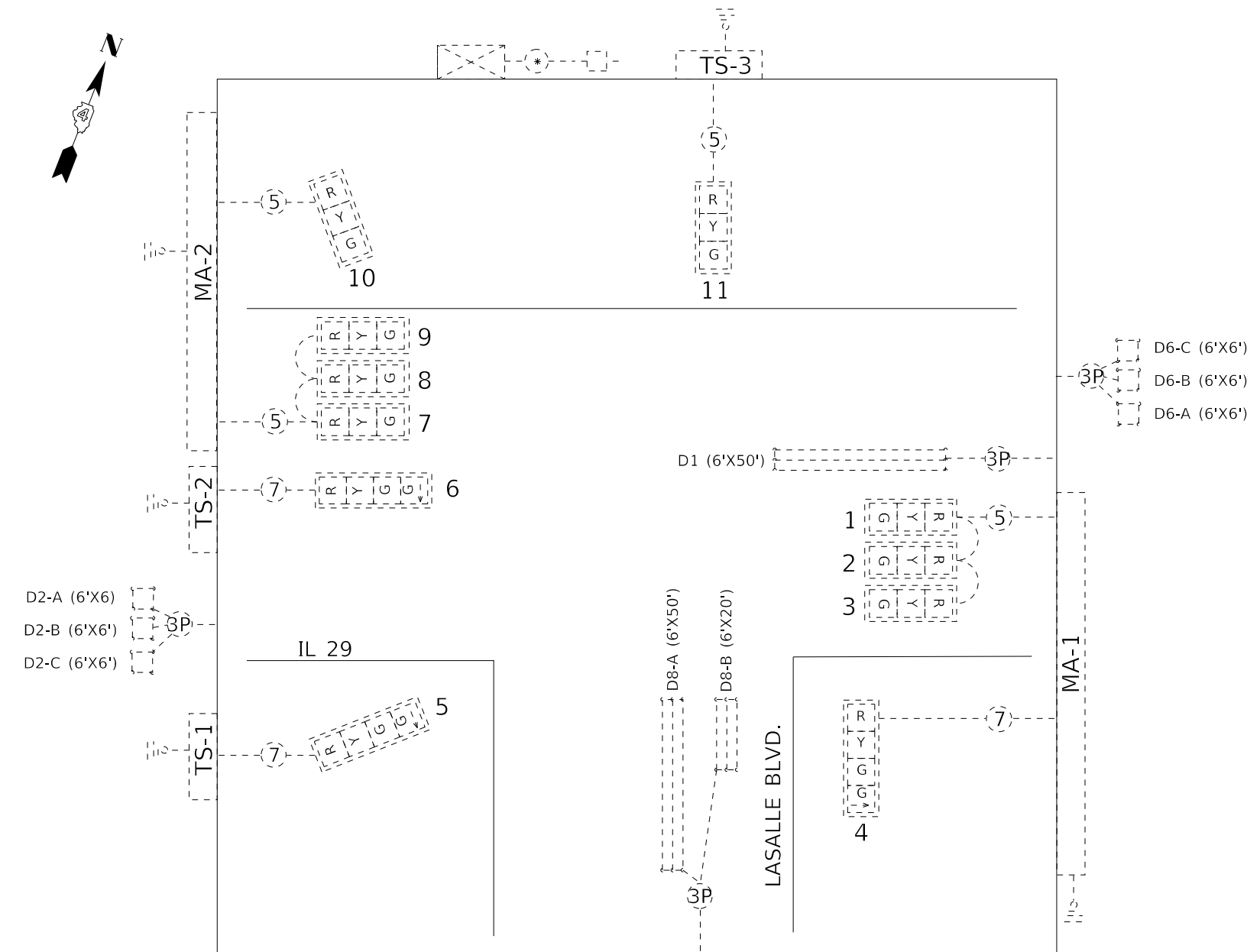
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PLOT DATE = 2/2/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL REMOVAL PLANS  
 IL 29 & LASALLE BLVD. - MARQUETTE HEIGHTS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2020	TAZEWELL	27	20
			CONTRACT NO. 68F20	
ILLINOIS FED. AID PROJECT				

NOT TO SCALE



**TRAFFIC SIGNALS LEGEND**

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

NOT TO SCALE

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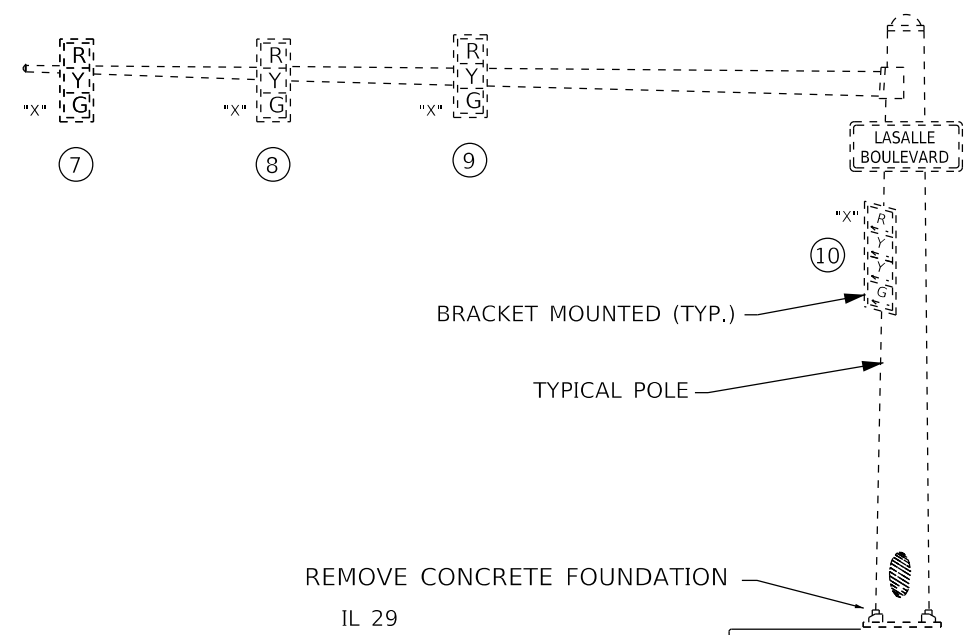
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PLOT DATE = 2/2/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EXISTING TRAFFIC SIGNAL CABLE &amp; PHASE DIAGRAMS</b>			
<b>IL 29 &amp; LASALLE BLVD. - MARQUETTE HEIGHTS</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

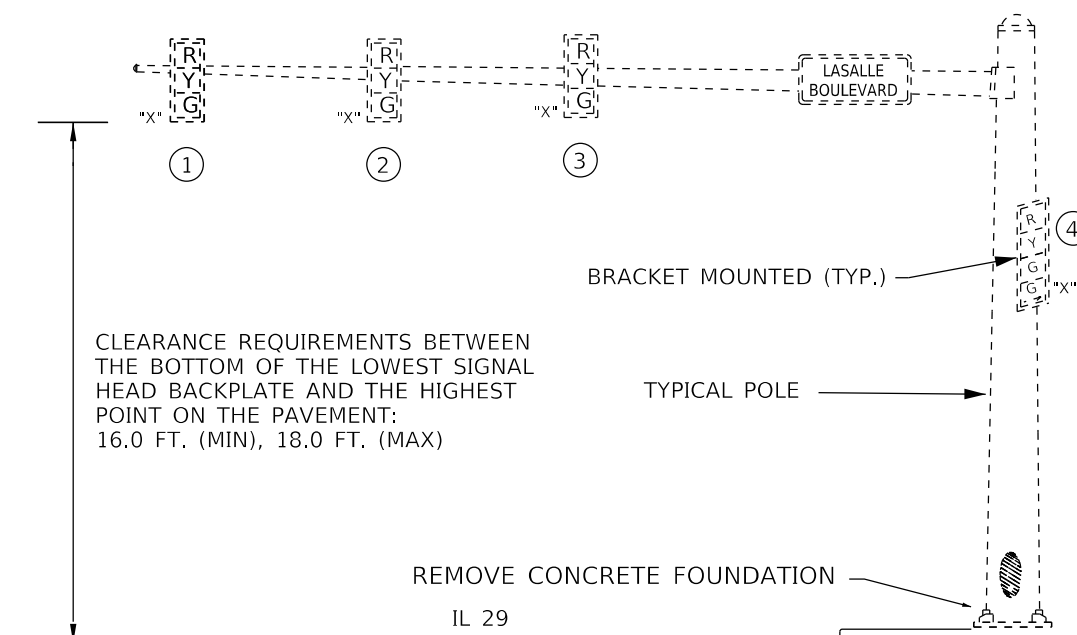
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	D4 MAST ARM REPLACEMENT 2020	TAZEWELL	27	21
CONTRACT NO. 68F20				
		ILLINOIS	FED. AID PROJECT	

"X" - REMOVE ITEM



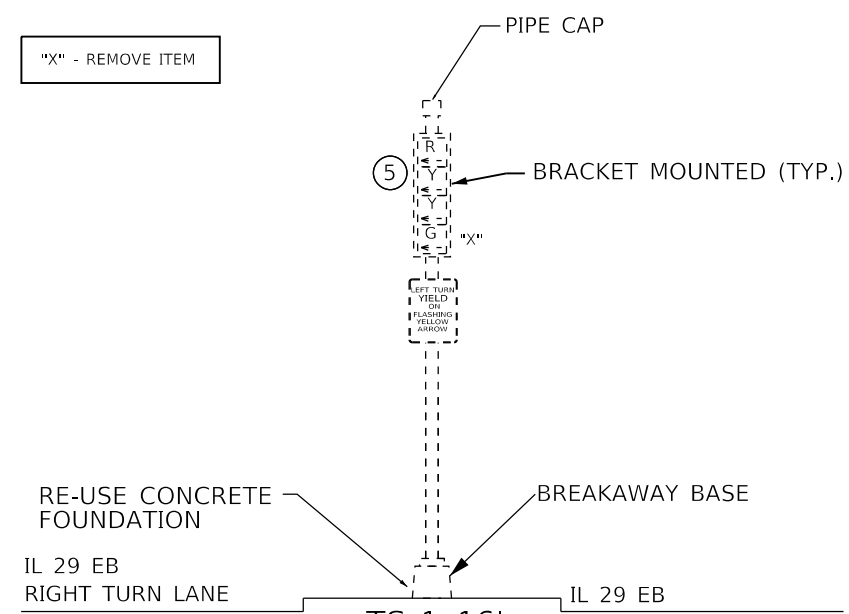
MA-2 44'  
EASTBOUND TRAFFIC SIGNAL - NORTHWEST QUADRANT

"X" - REMOVE ITEM



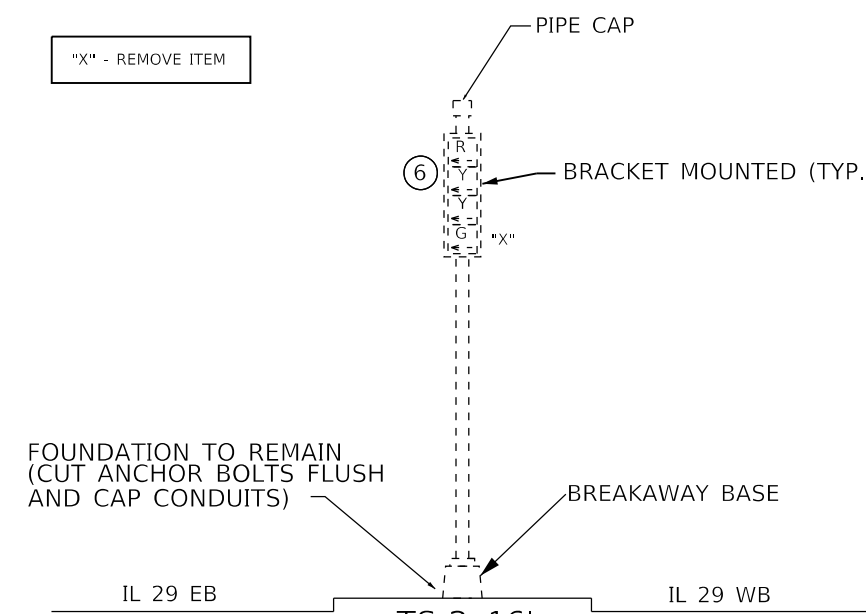
MA-1 44'  
WESTBOUND TRAFFIC SIGNAL - SOUTHEAST QUADRANT

"X" - REMOVE ITEM



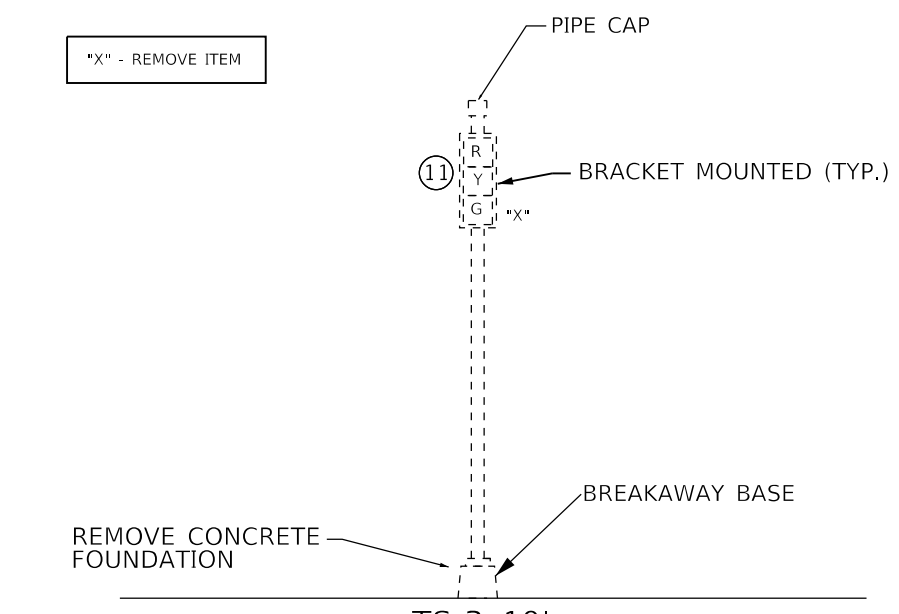
TS-1 16'  
WESTBOUND TRAFFIC SIGNAL  
SOUTHWEST QUADRANT

"X" - REMOVE ITEM



TS-2 16'  
WESTBOUND TRAFFIC SIGNAL  
IL 29 MEDIAN

"X" - REMOVE ITEM



TS-3 10'  
NORTHBOUND TRAFFIC SIGNAL

NOT TO SCALE

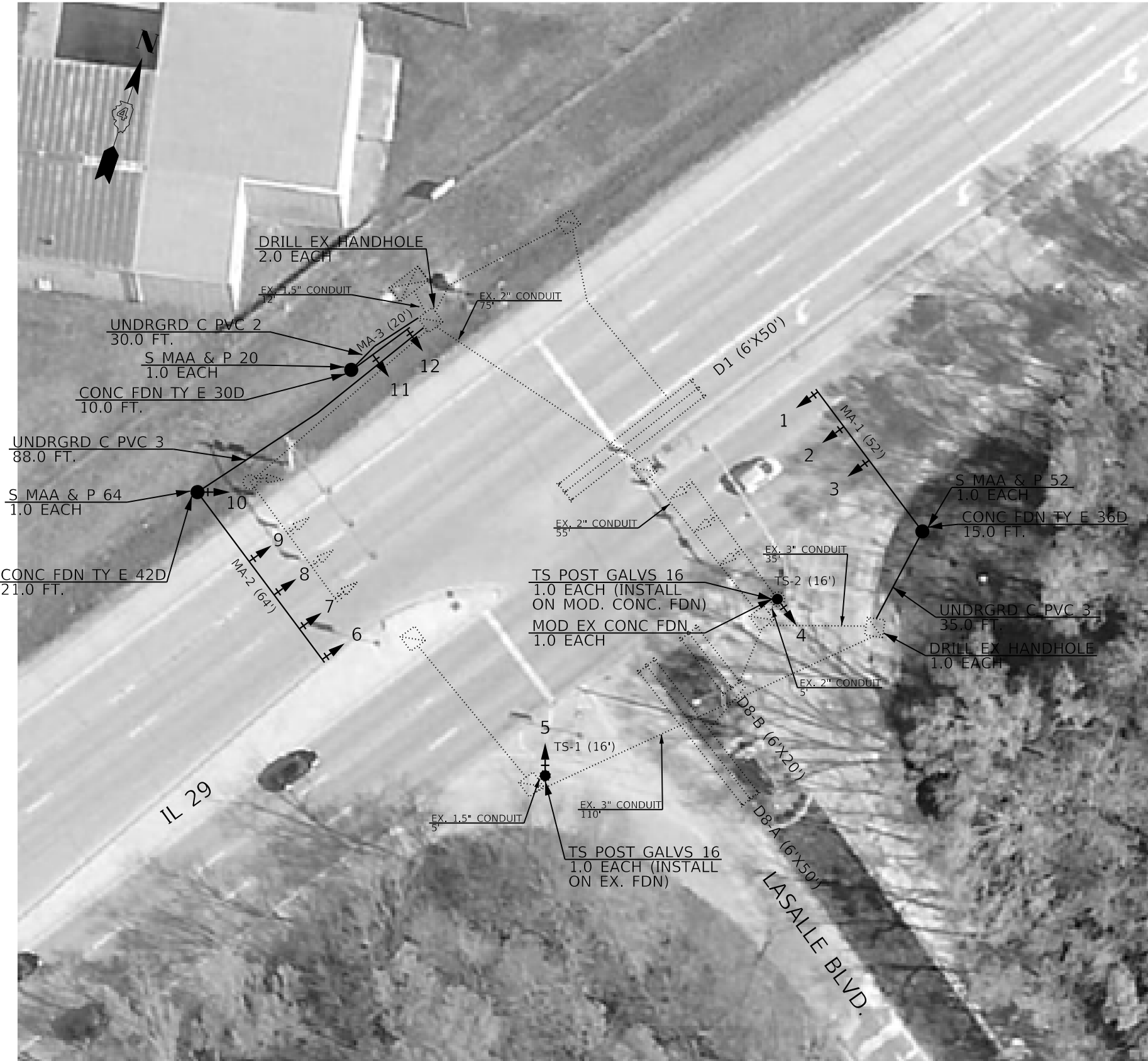
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PLOT DATE = 2/2/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING MAST ARM DETAILS			
IL 29 & LASALLE BLVD. - MARQUETTE HEIGHTS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2020	TAZEWELL	27	22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68F20	



MAST ARM SCHEDULE			
REF	LOCATION	LENGTH	DESCRIPTION
MA-1	SE QUAD	52 FT.	S MAA & P
MA-2	NW QUAD	64 FT.	S MAA & P
MA-3	SW QUAD	20 FT.	S MAA & P

TRAFFIC SIGNAL HEAD SCHEDULE			
QTY.	UNIT	ITEM	LOCATION
1.0	EACH	SH P LED 1F 3S BM	10
8.0	EACH	SH P LED 1F 3S MAM	1,2,3,7,8,9,11,12
2.0	EACH	SH P LED 1F 4S BM	4,5
1.0	EACH	SH P LED 1F 4S MAM	6
12.0	EACH	TS BACKPLATE RET-REFL	1,2,3,4,5,6,7,8,9,10,11,12

BILL OF MATERIALS		
DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	5.0
SIGN PANEL - TYPE 2	SQ FT	45.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	30.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	123.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	778.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	722.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	210.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2.0
STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE, 64 FT.	EACH	1.0
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15.0
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21.0
DRILL EXISTING HANDHOLE	EACH	3.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	12.0
MODIFY EXISTING CONCRETE FOUNDATION	EACH	1.0

NOT TO SCALE

MODEL: Default  
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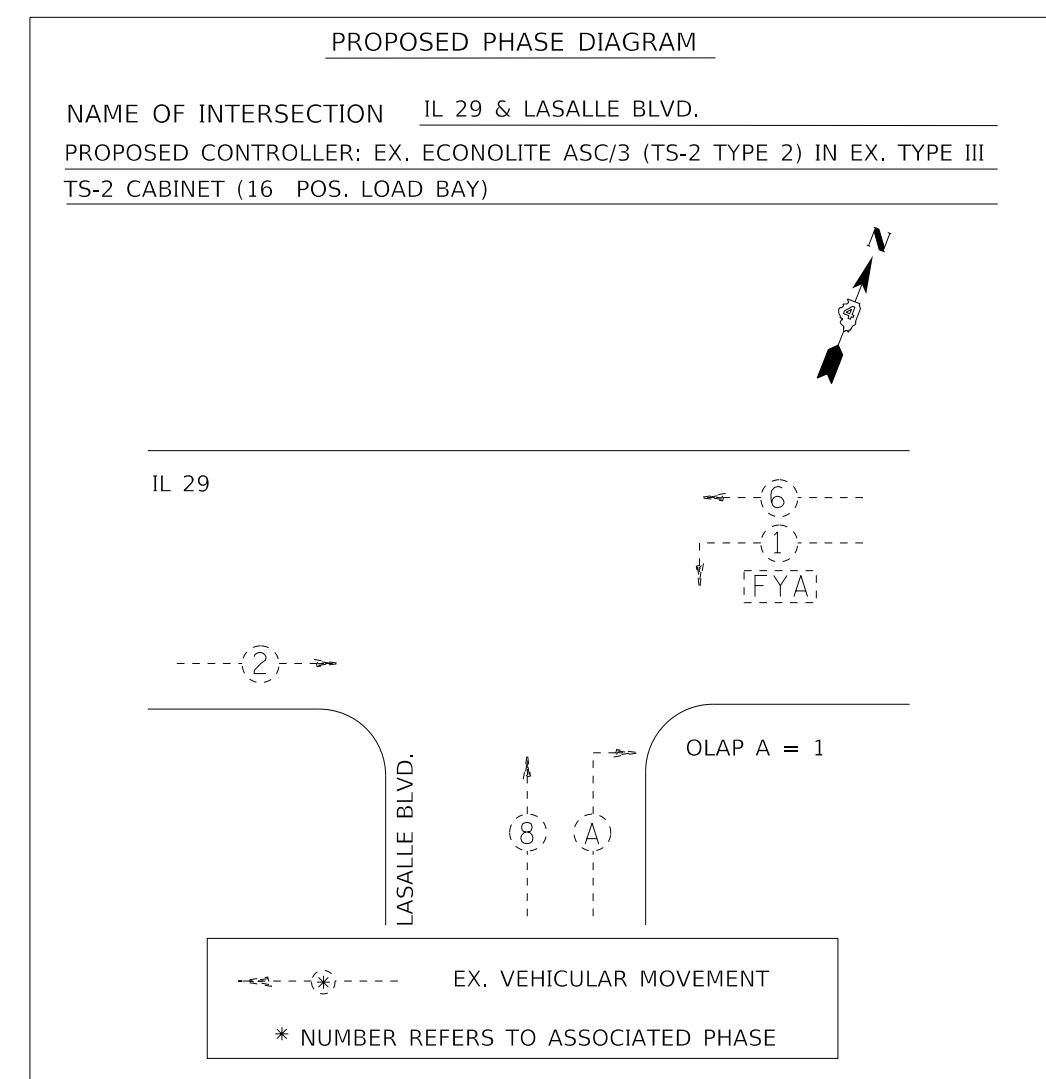
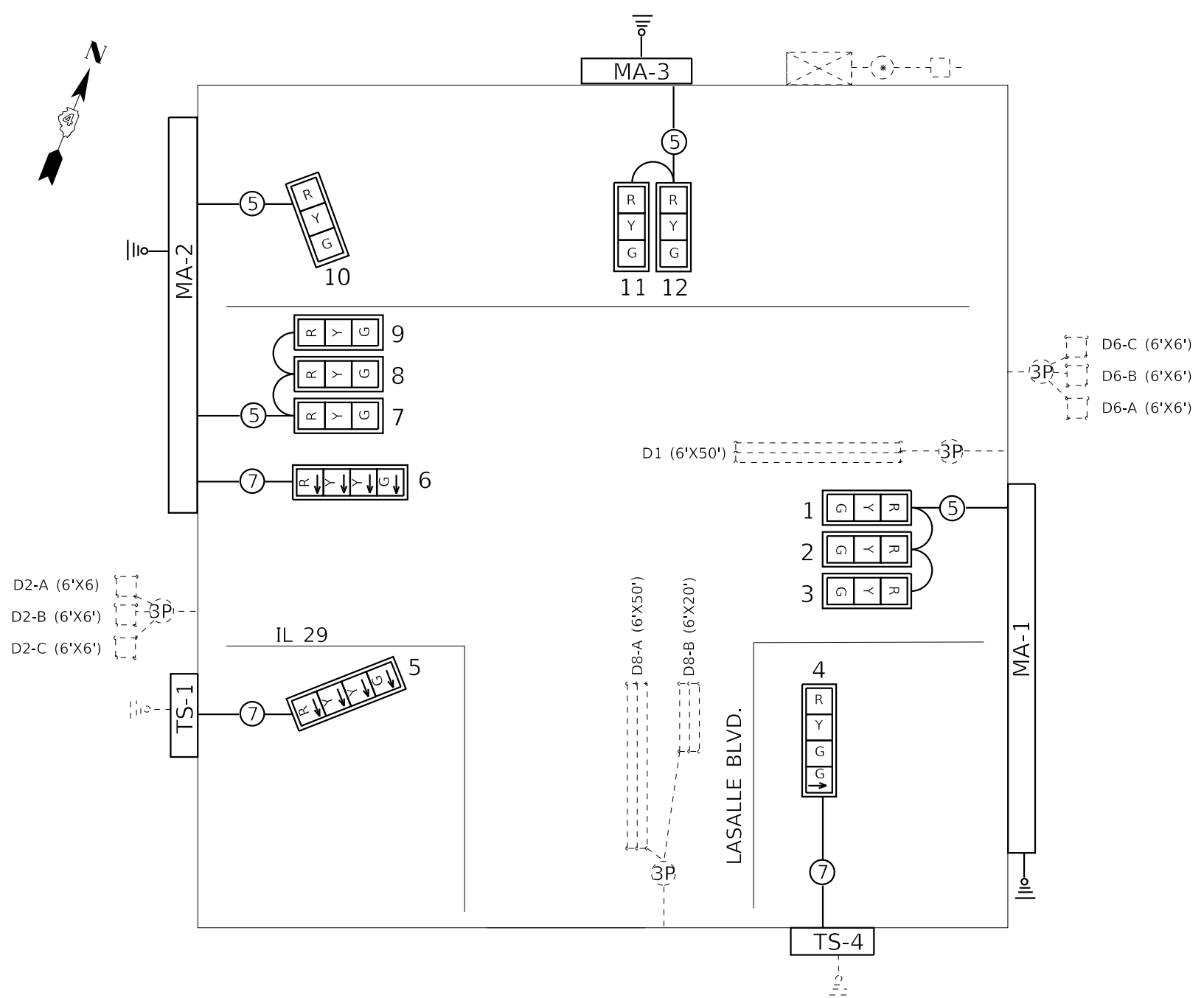
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PLOT DATE = 2/2/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL PLANS  
IL 29 & LASALLE BLVD. - MARQUETTE HEIGHTS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2020	TAZEWELL	27	23
			CONTRACT NO. 68F20	
		ILLINOIS	FED. AID PROJECT	



**TRAFFIC SIGNALS LEGEND**

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

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USER NAME = howalder	DESIGNED -	REVISED -
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PLOT DATE = 2/2/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

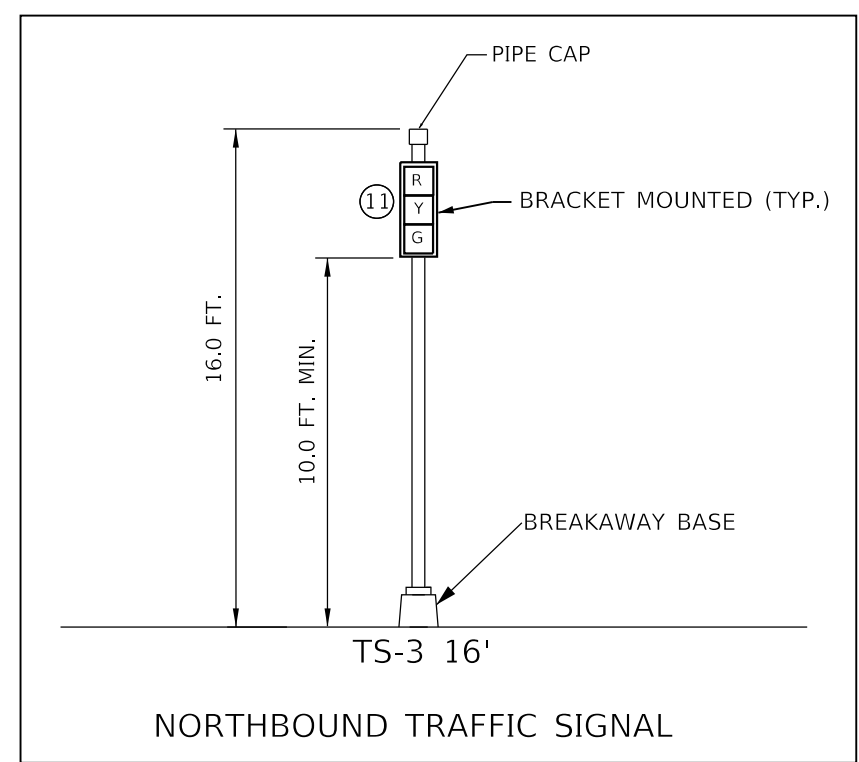
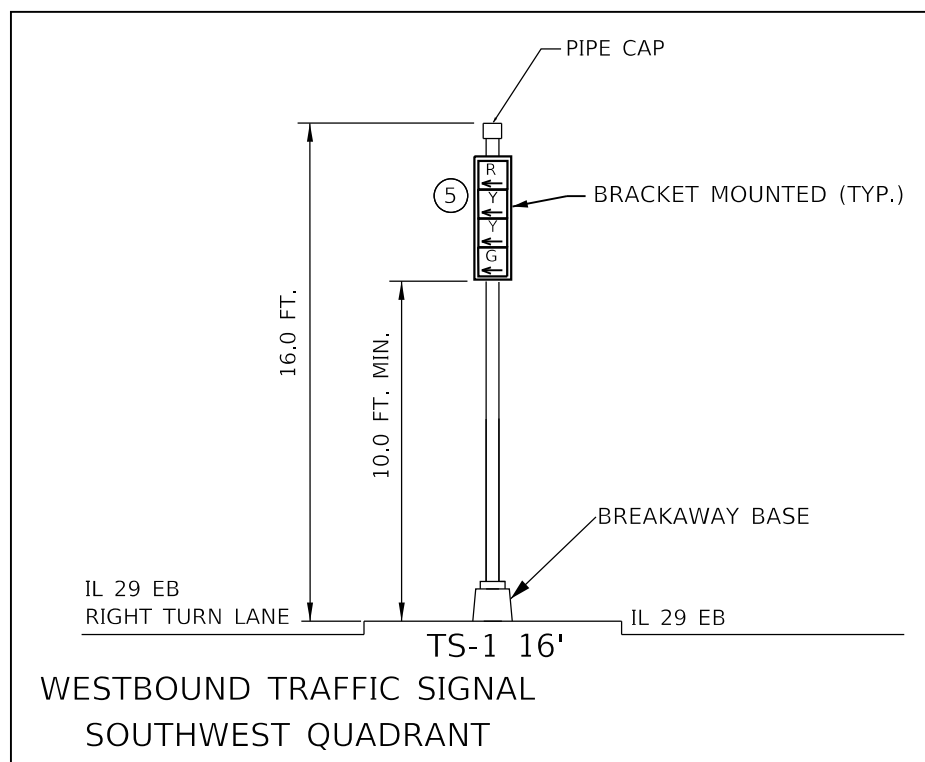
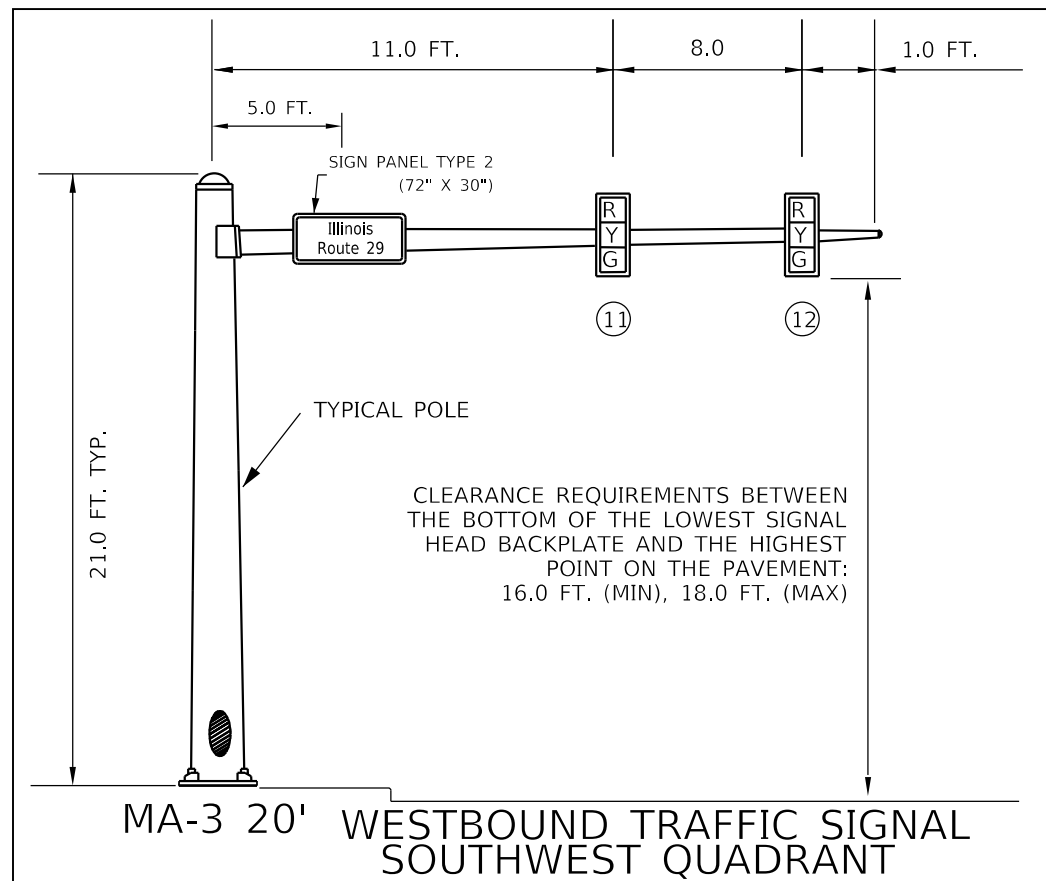
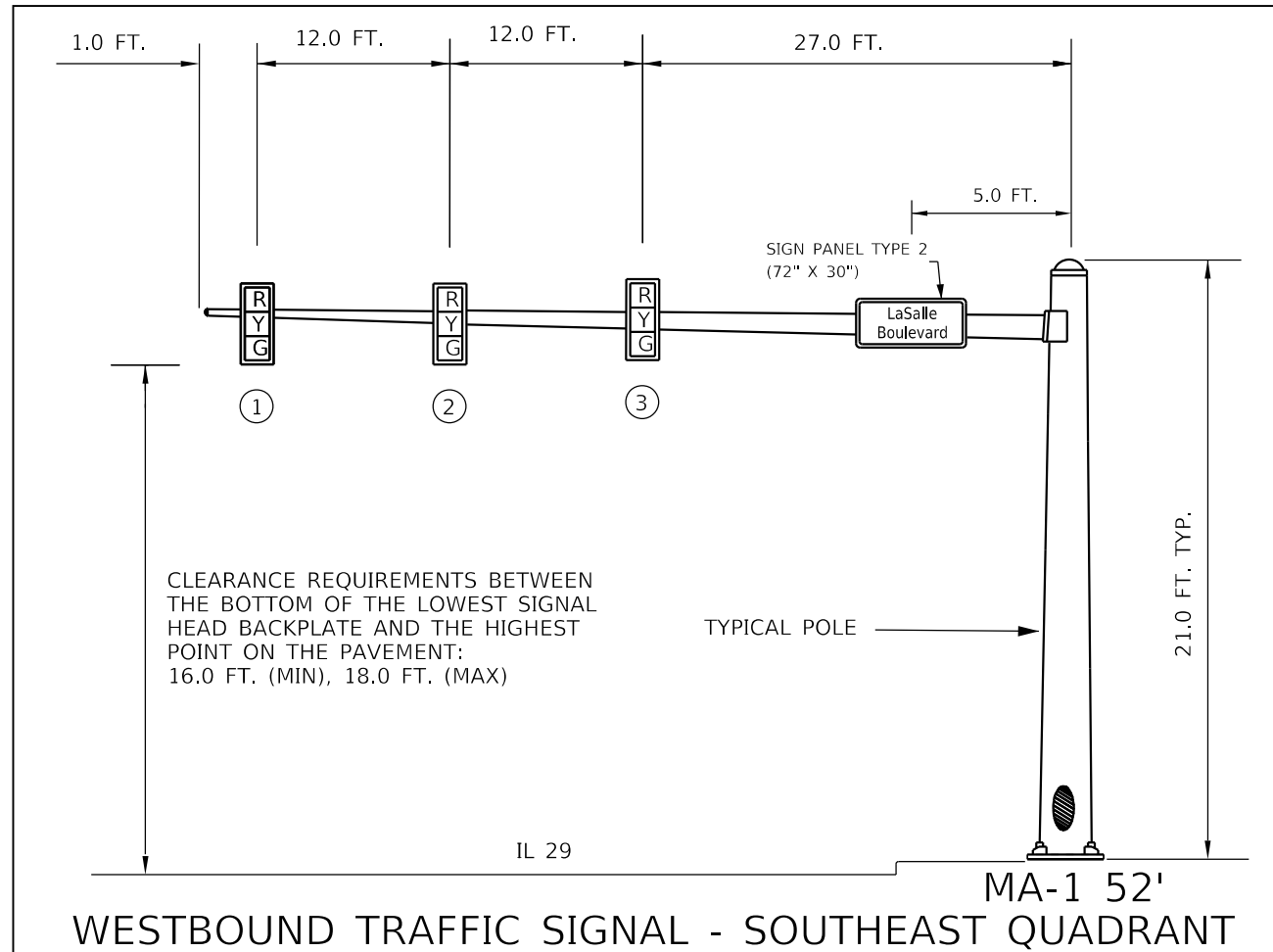
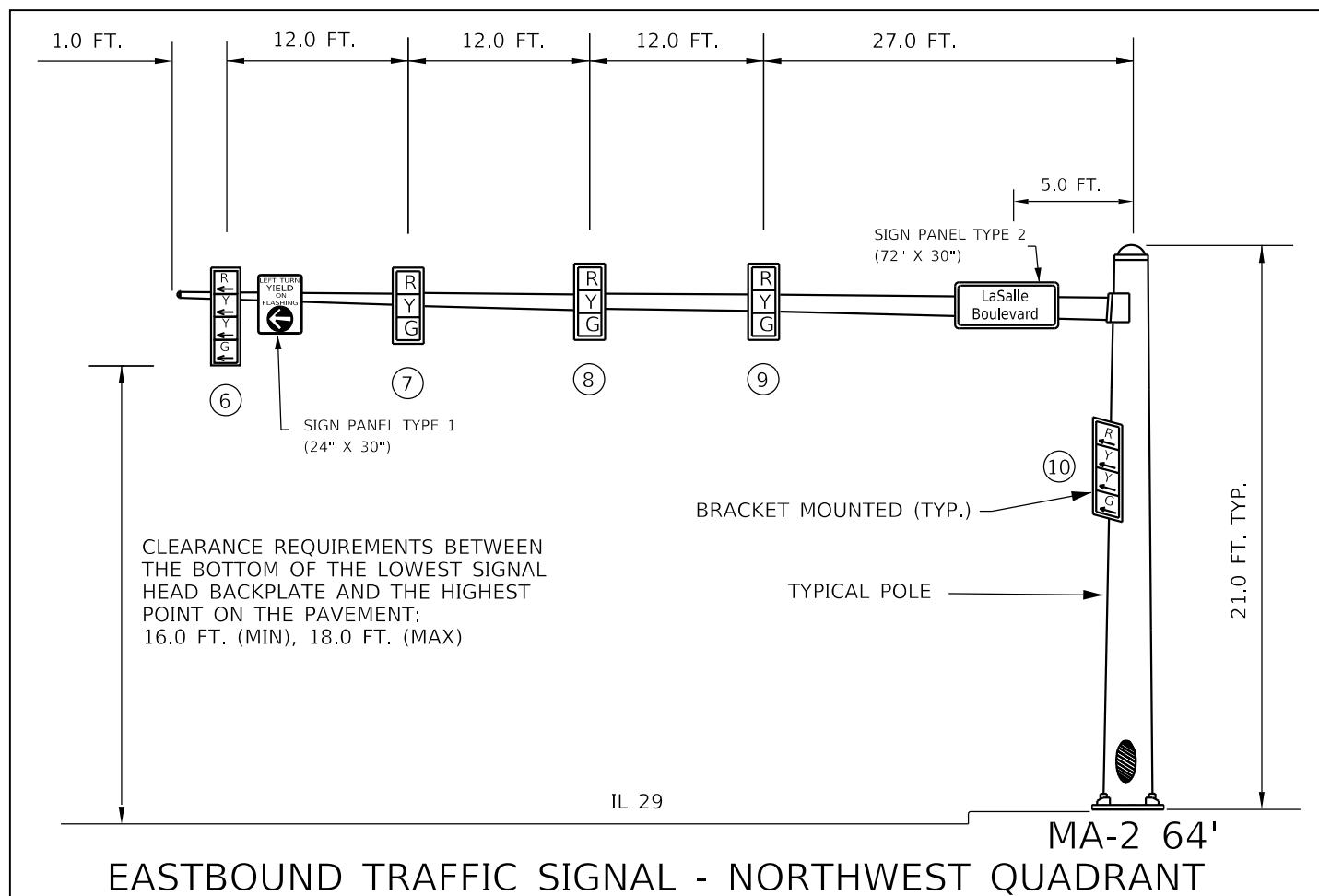
**PROPOSED TRAFFIC SIGNAL CABLE & PHASE DIAGRAMS  
IL 29 & LASALLE BLVD. - MARQUETTE HEIGHTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2020	TAZEWELL	27	24
ILLINOIS			FED. AID PROJECT	

**NOT TO SCALE**





NOT TO SCALE

MODEL: Default  
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PLOT DATE = 2/2/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED MAST ARM DETAILS			
IL 29 & LASALLE BLVD. - MARQUETTE HEIGHTS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2020	TAZEWELL	27	25
CONTRACT NO. 68F20				
ILLINOIS FED. AID PROJECT				

3.0" Radius, 1.0" Border, White on Green;  
Standard Arrow Custom 13.4" X 8.1" 180°; "Bird Blvd" D 2K; "Frye Rd" D 2K;  
Standard Arrow Custom 13.4" X 8.1" 0°;  
Table of distances between letter and object lefts.

4.6	13.3	9	18	8	20	5.1
5.1	20.8	8	11.1	14	13.4	5.6
78						

←	B	i	r	d	B	i	v	d		
4.6	22.3	6.7	2.9	3.6	12.8	6.7	2.2	6.3	4.8	5.1
F	r	y	e	R	d	→				
5.1	6.0	3.4	6.6	12.8	6.3	18.8	13.4	5.6		

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

7.9	44.2	7.9
11.9	36.2	11.9
60		

K	n	o	x	v	i	l	e			
7.9	6.8	5.9	5.4	6.4	6.6	2.9	2.9	2.6	4.7	7.9
A	v	e	n	u	e					
11.9	7.2	6.3	5.8	6.2	6.0	4.7	11.9			

3.0" Radius, 1.0" Border, White on Green;  
"Illinois Route 29" C 2K;  
Table of distances between letter and object lefts.

4.3	26.4	8	23.1	8	9.9	4.3
84						

I	I	I	n	o	i	s	R	o	u	t	e	2	9			
4.3	2.7	2.6	2.6	2.5	5.2	5.3	2.2	11.3	5.5	5.2	4.8	3.5	12.1	5.4	4.5	4.3

3.0" Radius, 1.0" Border, White on Green;  
Standard Arrow Custom 13.4" X 8.1" 180°; "Frye Rd" D 2K; "Bird Blvd" D 2K;  
Standard Arrow Custom 13.4" X 8.1" 0°;  
Table of distances between letter and object lefts.

4.9	13.4	14	20.7	9	11.1	4.9
5.3	18	8	20	8	13.4	5.3
78						

←	F	r	y	e	R	d				
4.9	27.4	6.0	3.3	6.7	13.7	6.3	4.8	4.9		
B	i	r	d	B	i	v	d	→		
5.3	6.7	2.8	3.7	12.8	6.7	2.2	6.3	12.8	13.4	5.3

3.0" Radius, 1.0" Border, White on Green;  
"War Memorial" D 2K; "Drive" D 2K;  
Table of distances between letter and object lefts.

5.2	16.9	8	42.7	5.2
26.8	24.4	26.8		
78				

W	a	r	M	e	m	o	r	i	a	l		
5.2	7.8	6.1	11.0	7.7	5.8	9.2	6.1	4.0	2.5	6.1	1.3	5.2
D	r	i	v	e								
26.8	7.1	4.0	2.2	6.3	4.8	26.8						

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

14.1	31.8	14.1
6.4	47.2	6.4
60		

L	a	s	a	l	e							
14.1	5.6	5.6	4.4	6.1	2.8	2.6	4.7	14.1				
B	o	u	i	e	v	a	r	d				
6.4	6.3	6.1	6.3	2.5	5.2	6.3	6.1	3.6	4.8	6.4		

MODEL: Default  
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USER NAME = howalder	DESIGNED -	REVISED -
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PLOT DATE = 2/3/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIGN DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4 MAST ARM REPLACEMENT 2020	PEORIA & TAZEWELL	27	26
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68F20	

ITEM DESCRIPTION	UNIT	QTY.
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - QTY. 1 EACH  
(INCLUDES ALL ITEMS LISTED BELOW)

THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY. THE SALVAGE VALUE OF THIS EQUIPMENT SHALL BE REFLECTED IN THE UNIT BID PRICE FOR "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."

QTY.	DESCRIPTION
1.0	TRAFFIC SIGNAL MAST ARM, 36 FT.
1.0	TRAFFIC SIGNAL MAST ARM, 44 FT.
1.0	TRAFFIC SIGNAL POST
8.0	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1.0	SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
ALL	TRAFFIC SIGNAL CABLING



**NOTES:**

1. THE CONTRACTOR SHALL NOTIFY BEN TELLEFSON (309-671-4477) FOURTEEN DAYS PRIOR TO REMOVAL OF TRAFFIC SIGNALS.
2. IDOT TO FURNISH CHANGABLE MESSAGE SIGNS TO DISPLAY A MESSAGE READING "TRAFFIC SIGNALS TO BE REMOVED ON (DATE)". MESSAGE SIGNS TO BE LOCATED SIGNS 500 FT. IN ADVANCE OF INTERSECTION FOR BOTH APPROACHES OF US 24, NEVADA ST., AND LIGONIER ST. (FOUR SIGNS TOTAL.)
3. SIGNING, STRIPING, AND CONCRETE BARRIER WALL TO BE DONE BY OTHERS.

NOT TO SCALE

MODEL: Default  
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	DRAWN -	REVISED -
PLOT SCALE = 42.9315 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/2/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL REMOVAL PLANS  
SW ADAMS ST. & NEVADA ST./LIGONIER ST. - PEORIA**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 MAST ARM REPLACEMENT 2020	PEORIA & TAZEWELL	27	27
ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 68F20