

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22, 64	(135)TS-2;(58CS)TS	*	33	1
		ILLINOIS	CONTRACT NO. 68H55	

* FULTON & PEORIA

D-94-032-23

INDEX OF SHEETS:
SEE SHEET 2 FOR INDEX OF SHEETS

PROPOSED HIGHWAY PLANS

ROUTE FAP 22 (IL 78)
ROUTE FAP 64 (IL 29)
(135)TS-2;(58CS)TS
FULTON COUNTY AND PEORIA COUNTY
PROJECT NO. NHPP-P2J3(827)

C-94-038-23

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

PROJECT DESCRIPTION:
REMOVE AND REPLACE TRAFFIC SIGNAL MAST
ARMS AND POSTS AT IL 78 (MAIN ST.) & ASH ST.,
AND IL 78 (MAIN ST.) & VINE ST. IN CANTON
AND AT IL 29 (ADAMS ST.) & SPRING ST. IN
PEORIA.

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

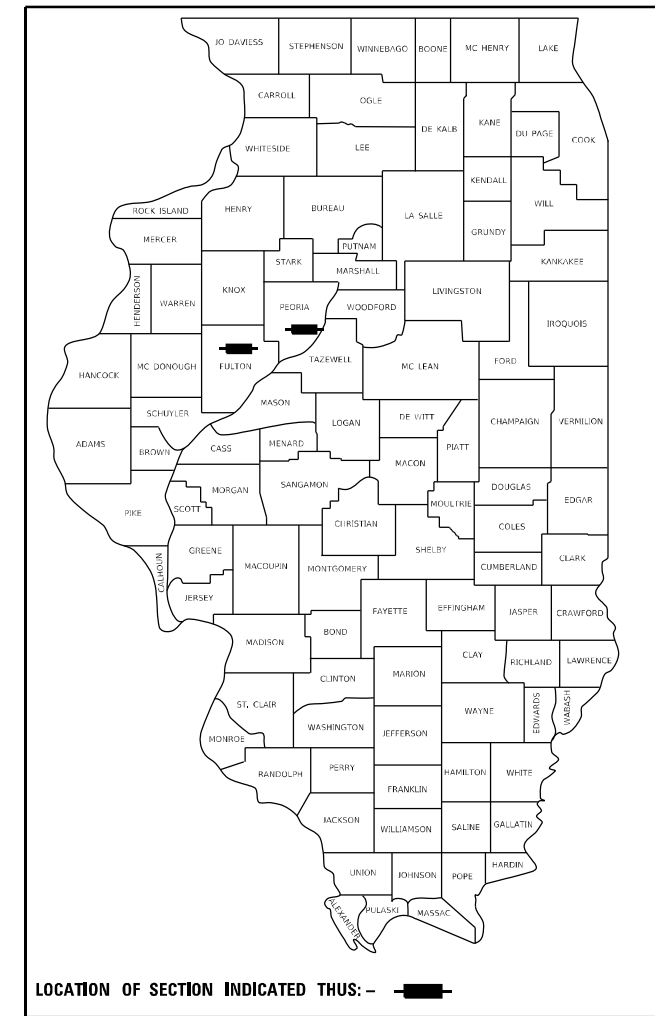


IL 78 (MAIN) & VINE
IL 78 (MAIN) & ASH

IL 29 (ADAMS) & SPRING

PROJECT ENGINEER : TREVOR HANSON (309) 671-4474
PROJECT MANAGER : ERIC HOWALD (309) 671-4481

CATALOG NO. 036381-00D
CONTRACT NO. 68H55



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 23, 2023
Kensil A. Darnett, Sr.
REGIONAL ENGINEER

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

May 12, 2023 [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
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 NON TRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
814001-03	HANDHOLES
821101-02	LUMINAIRE WIRING IN POLE
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877006-06	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS
877011-10	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877012-07	STEEL COMB. MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

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 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.

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. HANDHOLE
	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. ELECTRIC SERVICE
	PROP. PEDESTRIAN SIGNAL HEAD
	PROP. PEDESTRIAN PUSHBUTTON (APS)
	PROP. CONDUIT

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* FULTON & PEORIA

	USER NAME = Trevor.Hanson	DESIGNED -	REVISED 05-17-23 TJH	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS, INDEX OF SHEETS, & HIGHWAY STANDARDS	F.A.P. RTE. 22, 64	SECTION (135)TS-2;(58CS)TS	COUNT *	TOTAL SHEETS 33	SHEET NO. 2
	PLOT SCALE = 23,8272' / in.	CHECKED -	REVISED -							
	PLOT DATE = 5/17/2023	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
CONTRACT NO. 68H55 ILLINOIS FED. AID PROJECT										



Luminaire Performance Table



Project

Date	Contract Number	Section Number	County
05/16/23	68H55	(135)TS-2;(58Cs)TS	Various

Marked Route Number	Municipality
IL 78 and IL 29	Various

Roadway

Lane Width	# of Lanes	Median Width	I.E.S. Surface Classification	Q-Zero Value
12	3	N/A	R3	0.07

Structure

Mounting Height	Arm Length	Set-Back	Number of Luminaires (Highmast & Sign Lighting Only)
45 FT	15 FT	20 FT	N/A

Luminaire

Description	I.E.S. Lateral Distribution	I.E.S. Vertical Distribution
LED, ROADWAY, OUTPUT DESIGNATE G	TYPE III	MEDIUM

Total Light Loss Factor (LLF)	B-U-G Rating	Shields	Dimming Protocol
0.7	U = 1	N/A	0-10V

Layout

Spacing (to Nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
110 FT	SINGLE SIDED

Performance

Average Illuminance, E _{AVE} (fc)	Uniformity Ratio, E _{AVE} /E _{MIN}
greater than or equal to 1.3	less than or equal to 3:1

Average Luminance, L _{AVE} (cd/m ²)	Uniformity Ratio, L _{AVE} /L _{MIN}	Uniformity Ratio, L _{MAX} /L _{MIN}	Veiling Luminance Ratio, L _V /L _{AVE}
greater than or equal to 0.9	less than or equal to 3:1	less than or equal to 5:1	less than or equal to 0.3:1

Light Trespass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E _H	Max. Vertical Illuminance at ROW, E _V
N/A	N/A	N/A

Notes

- Set-Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire.
- Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to the roadway.
- Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
- Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

Calculations shall be performed in one direction only.

Compliance with performance criteria shall be held to one significant digit.

Luminaire performance table is intended to define the luminaire and does not necessarily match the roadway geometry of any project location.

Printed 05/17/23

BDE 5630 (04/10/19)

STATUS OF UTILITIES					
COMPANY	CONTACT	TYPE OF UTILITY	TYPE OF CONFLICT	LOCATION	DISPOSITION
AMEREN	ZACH WILSON 7064 W. ROUTE 150 EDWARDS, IL 61528	GAS	UNDERGROUND CONDUIT, TS POST FOUNDATION, HANDHOLE	IL 29 (ADAMS) & SPRING	CAUTION
GREATER PEORIA SANITARY DISTRICT	JOHN BOYLE 2322 S. DARST ST. PEORIA, IL 61607	SEWER MAIN	UNDERGROUND CONDUIT	IL 29 (ADAMS) & SPRING	CAUTION
ILLINOIS AMERICAN WATER	CHARLES BARTON 7500 N. HARKER DR. PEORIA, IL 61615	WATER MAIN	UNDERGROUND CONDUIT	IL 29 (ADAMS) & SPRING	CAUTION
13 BROADBAND	TROY MOSIMAN 602 HIGH POINT LN. EAST PEORIA, IL 61611	FIBER OPTIC	UNDERGROUND CONDUIT	IL 29 (ADAMS) & SPRING	CAUTION
AMEREN	NICHOLAS REED 1900 W. LAFAYETTE RD. JACKSONVILLE, IL 62650	ELECTRIC (AERIAL)	MAST ARM	IL 78 (MAIN) & VINE, IL 78 (MAIN) & ASH	CAUTION
AMEREN	QUINTON SNYDER 700 JERSEY ST. QUINCY, IL 62301	GAS	UNDERGROUND CONDUIT, CONCRETE FOUNDATION	IL 78 (MAIN) & VINE, IL 78 (MAIN) & ASH	CAUTION
MID CENTURY COMMUNICATIONS	DAN SELF 285 MID CENTURY LN. P.O. BOX 380 FAIRVIEW, IL 61432	COMMUNICATION	UNDERGROUND CONDUIT, CONCRETE FOUNDATION	IL 78 (MAIN) & VINE, IL 78 (MAIN) & ASH	CAUTION
COMCAST	MARK WABEL 3517 N. DRIES LN. PEORIA, IL 61604	COMMUNICATION (AERIAL)	MAST ARM	IL 78 (MAIN) & VINE, IL 78 (MAIN) & ASH	CAUTION

UTILITY DEPTHS TO BE DETERMINED THROUGH UTILITY LOCATES AND POT HOLING

NOTE: THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES, SHOWN IN THIS TABLE AND OTHERWISE.

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* FULTON & PEORIA

USER NAME = Trevor.Hanson	DESIGNED -	REVISED 05-17-23 TJH	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STATUS OF UTILITIES /LUMINAIRE PERFORMANCE TABLE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISI	22, 64			(135)TS-2;(58CS)TS	*	33	3	
PLOT SCALE = 23,8272 */ in.	CHECKED -	REVISED -			CONTRACT NO. 68H55				
PLOT DATE = 5/17/2023	DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

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, PEDESTRIAN PUSHBUTTON POSTS 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. SDR 13.5 HDPE COILABLE DUCT MAY BE USED IN PLACE OF SCHEDULE 40 PVC CONDUIT.
10. THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.
11. ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
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.
18. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
19. 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.
20. 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.
21. THE CONTRACTOR SHALL FURNISH AND INSTALL GROUT AROUND ALL DRILLED CONDUITS LOCATED INSIDE CONCRETE FOUNDATIONS TO PREVENT WATER AND DIRT INTRUSION INTO THE CABINET. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF "DRILL EXISTING FOUNDATION."
22. 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."
23. WITHIN THIRTY CALENDAR DAYS AFTER CONTRACT EXECUTION, THE CONTRACTOR SHALL SUBMIT J.U.L.I.E. TICKETS TO HAVE THE UNDERGROUND UTILITIES MARKED AT THE INTERSECTION AND THEN SCHEDULE AN ON-SITE MEETING WITH THE RESIDENT ENGINEER AND IDOT D4 TRAFFIC OPERATIONS TO DETERMINE AND MARK THE EXACT PLACEMENT OF THE PROPOSED TRAFFIC SIGNAL COMPONENTS.
24. THE CONTRACTOR SHALL FURNISH AND INSTALL ONE 20A 1-POLE CIRCUIT BREAKER, BUTTON PHOTOCELL, TERMINAL BLOCK WIRING, AND ALL OTHER ITEMS REQUIRED TO PROVIDE POWER TO THE PROPOSED AND RELOCATED LUMINAIRES. THESE ITEMS SHALL BE INSTALLED IN THE PROPOSED TRAFFIC SIGNAL CABINET. ALL LUMINAIRES SHALL BE WIRED TO 120V. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR "LIGHTING CONTROLLER, SPECIAL."
25. THE CONTRACTOR SHALL FURNISH AND INSTALL PEDESTRIAN PUSHBUTTON EXTENSIONS AS NEEDED TO ALLOW THE FACE OF THE PUSHBUTTON TO BE LOCATED A MAXIMUM OF 10 INCHES FROM THE EDGE OF THE CLEAR SPACE, AS SHOWN IN THE PEDESTRIAN PUSHBUTTON PLAN DETAIL. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE "ACCESSIBLE PEDESTRIAN SIGNALS."
26. THE CONTRACTOR SHALL PICK UP TWO ROADWAY LUMINAIRES FROM THE CITY OF PEORIA PUBLIC WORKS DEPARTMENT AT 3505 N. DRIES LN. PEORIA, IL 61604 AND INSTALL THEM AT IL 29 (ADAMS ST.) & SPRING ST. ON THE DUAL LUMINAIRE ARMS ON MA-1 AS SHOWN IN THE PLANS. THE LUMINAIRES SHALL BE INSTALLED 90 DEGREES APART. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW POLE WIRING, SURGE ARRESTORS, FUSE HOLDERS, AND FUSES. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR "ROADWAY LUMINAIRE, SPECIAL (INSTALL ONLY)."
27. PEDESTRIAN PUSHBUTTONS SHALL BE LOCATED IN ACCORDANCE WITH THE 2009 MUTCD. FOR ALL INSTALLATIONS, THE REACH RANGE (DISTANCE BETWEEN THE FACE OF PEDESTRIAN PUSHBUTTON AND THE CLEAR SPACE) SHALL NOT EXCEED 10 INCHES. THE COST TO MODIFY OR RELOCATE ANY PUSHBUTTONS THAT WERE NOT INSTALLED ACCORDING TO MUTCD REQUIREMENTS AND CONTRACT SPECIFICATIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
28. PEDESTRIAN PUSHBUTTON SIGNS (R10-3E) SHALL BE CONSTRUCTED USING TYPE ZZ RETROREFLECTIVE SHEETING IN ACCORDANCE WITH ART. 1091.03.
29. FOR LOCATIONS WITH TWO PEDESTRIAN PUSHBUTTONS ON A SINGLE TRAFFIC SIGNAL POST OR PEDESTRIAN PUSHBUTTON POST, THE CONTRACTOR SHALL FURNISH AND INSTALL A SINGLE MOUNTING BRACKET THAT HOUSES BOTH PEDESTRIAN PUSHBUTTON FRAMES, WITH INTEGRATED CUPS, AT A 90 DEGREE ANGLE FROM EACH OTHER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE "ACCESSIBLE PEDESTRIAN SIGNALS."
30. AT THE INTERSECTION OF IL 78 (MAIN ST.) & VINE ST. IN CANTON, THE CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT AND SERVICE CABLES AS REQUIRED FROM THE PROPOSED ELECTRIC SERVICE INSTALLATION TO THE AMEREN TRANSFORMER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE "ELECTRIC SERVICE INSTALLATION, SPECIAL."
31. THE CONTRACTOR SHALL CLEAR AND REMOVE ANY BRUSH OR LANDSCAPING TO ACCOMODATE THE INSTALLATION OF THE PROPOSED CONCRETE FOUNDATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE CONCRETE FOUNDATIONS.
32. THE CONTRACTOR SHALL FURNISH AND INSTALL DUAL 15 FT. LUMINAIRE ARMS (INSTALLED 90° APART) FOR THE FOLLOWING MAST ARMS: MA-4 AT IL 78 (MAIN ST.) & VINE ST. IN CANTON, MA-3/MA-4 AT IL 78 (MAIN ST.) & ASH ST. IN CANTON, & MA-1 AT IL 29 (ADAMS ST.) & SPRING ST. IN PEORIA. THE COST OF THIS WORK WILL BE INCLUDED IN THE BID PRICES FOR THE MAST ARMS.
33. ALL PROPOSED ROADWAY LUMINAIRES SHALL OPERATE AT 120V.

* FULTON & PEORIA

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FILE NAME: \\S:\CEN\W\W\ORD\SPR\AN\Hanson# 68H55 Mast_Arm_2023\Files\68H55 Mast_Arm_2023_Rev1.dwg

USER NAME = Trevor.Hanson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 23,8272 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22, 64	(135)TS-2;(58CS)TS	*	33	4
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CONST. CODE	CONST. CODE	CONST. CODE	CONST. CODE
0021	0021	0021	0021
0% FEDERAL	80% FEDERAL	0% FEDERAL	80% FEDERAL
0% STATE	10% STATE	0% STATE	10% STATE
100% CITY	10% CITY	100% CITY	10% CITY
LIGHTING	SIGNALS	LIGHTING	SIGNALS
URBAN	URBAN	URBAN	URBAN
CANTON	CANTON	PEORIA	PEORIA

ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QTY.	CANTON	CANTON	PEORIA	PEORIA
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	15.0		15.0		
44000600	SIDEWALK REMOVAL	SQ FT	15.0		15.0		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	72.0		37.0		35.0
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1.0				1.0
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1.0		0.6		0.4
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1.0		0.6		0.4
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	13.0		9.0		4.0
67100100	MOBILIZATION	L SUM	1.0		0.7		0.3
* 72000100	SIGN PANEL - TYPE 1	SQ FT	42.8		20.0		22.8
* 72000200	SIGN PANEL - TYPE 2	SQ FT	103.0		84.0		19.0
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	211.0		184.0		27.0
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	301.0		3.0		298.0
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	110.0		25.0		85.0
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2.0				2.0
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1536.0	1074.0		462.0	
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	18.0		18.0		
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4.0	4.0			
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2490.0		1757.0		733.0

* DENOTES SPECIALTY ITEM

* FULTON & PEORIA

MODEL Path: \\S:\CEN\W\W\ORD\DESIGN\AN\Hanson_68H55_Mat_Arr_2023\Files\68H55_Mat_Arr_2023_Rev1.dwg (03-23-23).dgn

USER NAME = Trevor.Hanson	DESIGNED -	REVISED 03-16-22 TJH
	DRAWN -	REVISED - 04-26-23 TJH
PLOT SCALE = 23,8272 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22, 64	(135)TS-2;(58CS)TS	*	33	5
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES - CONTINUED

ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QTY.	CONST. CODE	CONST. CODE	CONST. CODE	CONST. CODE
				0021	0021	0021	0021
				0% FEDERAL	80% FEDERAL	0% FEDERAL	80% FEDERAL
				0% STATE	10% STATE	0% STATE	10% STATE
				100% CITY	10% CITY	100% CITY	10% CITY
				LIGHTING	SIGNALS	LIGHTING	SIGNALS
				URBAN CANTON	URBAN CANTON	URBAN PEORIA	URBAN PEORIA
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3289.0		2190.5		1098.5
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2103.5		1979.0		124.5
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	602.0		72.0		530.0
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	5.0		1.0		4.0
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	6.0		2.0		4.0
87502490	TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	1.0		1.0		
87702428	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 48 FT.	EACH	1.0		1.0		
87702870	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1.0		1.0		
87702670	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 44 FT. AND 34 FT.	EACH	1.0		1.0		
87703050	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.	EACH	1.0				1.0
87704339	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 48 FT.	EACH	1.0		1.0		
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	24.0				24.0
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10.0		10.0		
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39.0		39.0		
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21.0				21.0
87900100	DRILL EXISTING FOUNDATION	EACH	2.0		1.0		1.0
87900200	DRILL EXISTING HANDHOLE	EACH	6.0		6.0		
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	12.0		8.0		4.0

* FULTON & PEORIA

MODEL Path: \\S:\CEN\W\W\ORD\DESIGN\AN\Hanson# 68H55 Mast Arm 2023\Final\68H55 Mast Arm 2023 Revised (03-23-23).dgn

USER NAME = Trevor.Hanson	DESIGNED -	REVISED -
PLOT SCALE = 23.8272 * / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES - CONTINUED

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22, 64	(135)TS-2;(58CS)TS	*	33	6
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES - CONTINUED

ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QTY.	CONST. CODE	CONST. CODE	CONST. CODE	CONST. CODE
				0021	0021	0021	0021
				0% FEDERAL	80% FEDERAL	0% FEDERAL	80% FEDERAL
				0% STATE	10% STATE	0% STATE	10% STATE
				100% CITY	10% CITY	100% CITY	10% CITY
				LIGHTING	SIGNALS	LIGHTING	SIGNALS
				URBAN CANTON	URBAN CANTON	URBAN PEORIA	URBAN PEORIA
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	11.0		8.0		3.0
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4.0		4.0		
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4.0		4.0		
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4.0				4.0
88102845	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	9.0		8.0		1.0
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	31.0		24.0		7.0
89502220	MODIFY EXISTING CONCRETE FOUNDATION	EACH	4.0		4.0		
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3.0		2.0		1.0
89502376	REBUILD EXISTING HANDHOLE	EACH	3.0				3.0
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	11.0		3.0		8.0
X1400227	ROADWAY LUMINAIRE, SPECIAL (INSTALL ONLY)	EACH	2.0			2.0	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0		0.7		0.3
X8040102	ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1.0		1.0		
X8140238	REBUILD EXISTING DOUBLE HANDHOLE	EACH	2.0		2.0		
X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	3.0	2.0		1.0	
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	22.0		16.0		6.0
X8760201	PEDESTRIAN PUSH-BUTTON POST	EACH	16.0		14.0		2.0
X8950212	MODIFY EXISTING CONTROLLER CABINET, SPECIAL	EACH	2.0		2.0		

MODEL Path: \\S:\CEN\W\W\ORD\DESIGN\AN\Hanson# 68H55 Mast Arm 2023\Files\68H55 Mast Arm 2023_Rev1.dwg
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* FULTON & PEORIA

USER NAME = Trevor.Hanson	DESIGNED -	REVISED -
DRAWN -	REVISIONS -	
PLOT SCALE = 23.8272 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES - CONTINUED

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22, 64	(135)TS-2;(58CS)TS	*	33	7
CONTRACT NO. 68H55				
ILLINOIS		FED. AID PROJECT		

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY.	FULTON COUNTY		PEORIA COUNTY
			CANTON		PEORIA
			IL 78 (MAIN ST.) & VINE ST. QTY.	IL 78 (MAIN ST.) & ASH ST. QTY.	IL 29 (ADAMS ST.) & SPRING ST. QTY.
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	15.0		15.0	
SIDEWALK REMOVAL	SQ FT	15.0		15.0	
NON-SPECIAL WASTE DISPOSAL	CU YD	72.0	20.0	17.0	35.0
SOIL DISPOSAL ANALYSIS	EACH	1.0			1.0
REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1.0	0.3	0.3	0.4
REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1.0	0.3	0.3	0.4
REGULATED SUBSTANCES MONITORING	CAL DA	13.0	4.0	5.0	4.0
MOBILIZATION	L SUM	1.0	0.4	0.3	0.3
SIGN PANEL - TYPE 1	SQ FT	42.8	10.0	10.0	22.8
SIGN PANEL - TYPE 2	SQ FT	103.0	43.0	41.0	19.0
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	211.0	105.0	79.0	27.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	301.0	3.0		298.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	110.0	13.0	12.0	85.0
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2.0			2.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1536.0	712.0	362.0	462.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	18.0	18.0		
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4.0	2.0	2.0	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2490.0	909.0	848.0	733.0

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* FULTON & PEORIA

USER NAME = Trevor.Hanson	DESIGNED -	REVISED 03-16-22 TJH
	DRAWN -	REVISED - 04-26-23 TJH
PLOT SCALE = 23,8272 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 22, 64	SECTION (135)TS-2;(58CS)TS	COUNTY *	TOTAL SHEETS 33	SHEET NO. 8
CONTRACT NO. 68H55			ILLINOIS FED. AID PROJECT	

SCHEDULE OF QUANTITIES - CONTINUED

ITEM DESCRIPTION	UNIT	TOTAL QTY.	FULTON COUNTY		PEORIA COUNTY
			CANTON		PEORIA
			IL 78 (MAIN ST.) & VINE ST. QTY.	IL 78 (MAIN ST.) & ASH ST. QTY.	IL 29 (ADAMS ST.) & SPRING ST. QTY.
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3289.0	1153.5	1037.0	1098.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2103.5	1031.0	948.0	124.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	602.0	41.0	31.0	530.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	5.0	1.0		4.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	6.0		2.0	4.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	1.0	1.0		
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 48 FT.	EACH	1.0		1.0	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1.0	1.0		
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 44 FT. AND 34 FT.	EACH	1.0	1.0		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.	EACH	1.0			1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 48 FT.	EACH	1.0		1.0	
CONCRETE FOUNDATION, TYPE A	FOOT	24.0			24.0
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10.0	10.0		
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39.0	13.0	26.0	
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21.0			21.0
DRILL EXISTING FOUNDATION	EACH	2.0	1.0		1.0
DRILL EXISTING HANDHOLE	EACH	6.0	3.0	3.0	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	12.0	4.0	4.0	4.0

MODEL Path: \\S:\CEN\W\W\ORD\DESIGN\AN\Hanson# 68H55 Mast Arm 2023\Files\68H55 Mast Arm 2023_Rev1.rvt
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* FULTON & PEORIA

USER NAME = Trevor.Hanson	DESIGNED -	REVISED -
PLOT SCALE = 23,8272 * / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES - CONTINUED	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 22, 64	SECTION (135)TS-2;(58CS)TS	COUNTY *	TOTAL SHEETS 33	SHEET NO. 9
			CONTRACT NO. 68H55	
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES - CONTINUED

ITEM DESCRIPTION	UNIT	TOTAL QTY.	FULTON COUNTY		PEORIA COUNTY
			CANTON		PEORIA
			IL 78 (MAIN ST.) & VINE ST. QTY.	IL 78 (MAIN ST.) & ASH ST. QTY.	IL 29 (ADAMS ST.) & SPRING ST. QTY.
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	11.0	4.0	4.0	3.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4.0	2.0	2.0	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4.0	2.0	2.0	
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4.0			4.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	9.0	4.0	4.0	1.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	31.0	12.0	12.0	7.0
MODIFY EXISTING CONCRETE FOUNDATION	EACH	4.0	2.0	2.0	
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3.0	1.0	1.0	1.0
REBUILD EXISTING HANDHOLE	EACH	3.0			3.0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	11.0	1.0	2.0	8.0
ROADWAY LUMINAIRE, SPECIAL (INSTALL ONLY)	EACH	2.0			2.0
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0	0.4	0.3	0.3
ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1.0	1.0		
REBUILD EXISTING DOUBLE HANDHOLE	EACH	2.0	1.0	1.0	
LIGHTING CONTROLLER, SPECIAL	EACH	3.0	1.0	1.0	1.0
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	22.0	8.0	8.0	6.0
PEDESTRIAN PUSH-BUTTON POST	EACH	16.0	7.0	7.0	2.0
MODIFY EXISTING CONTROLLER CABINET, SPECIAL	EACH	2.0	1.0	1.0	

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* FULTON & PEORIA

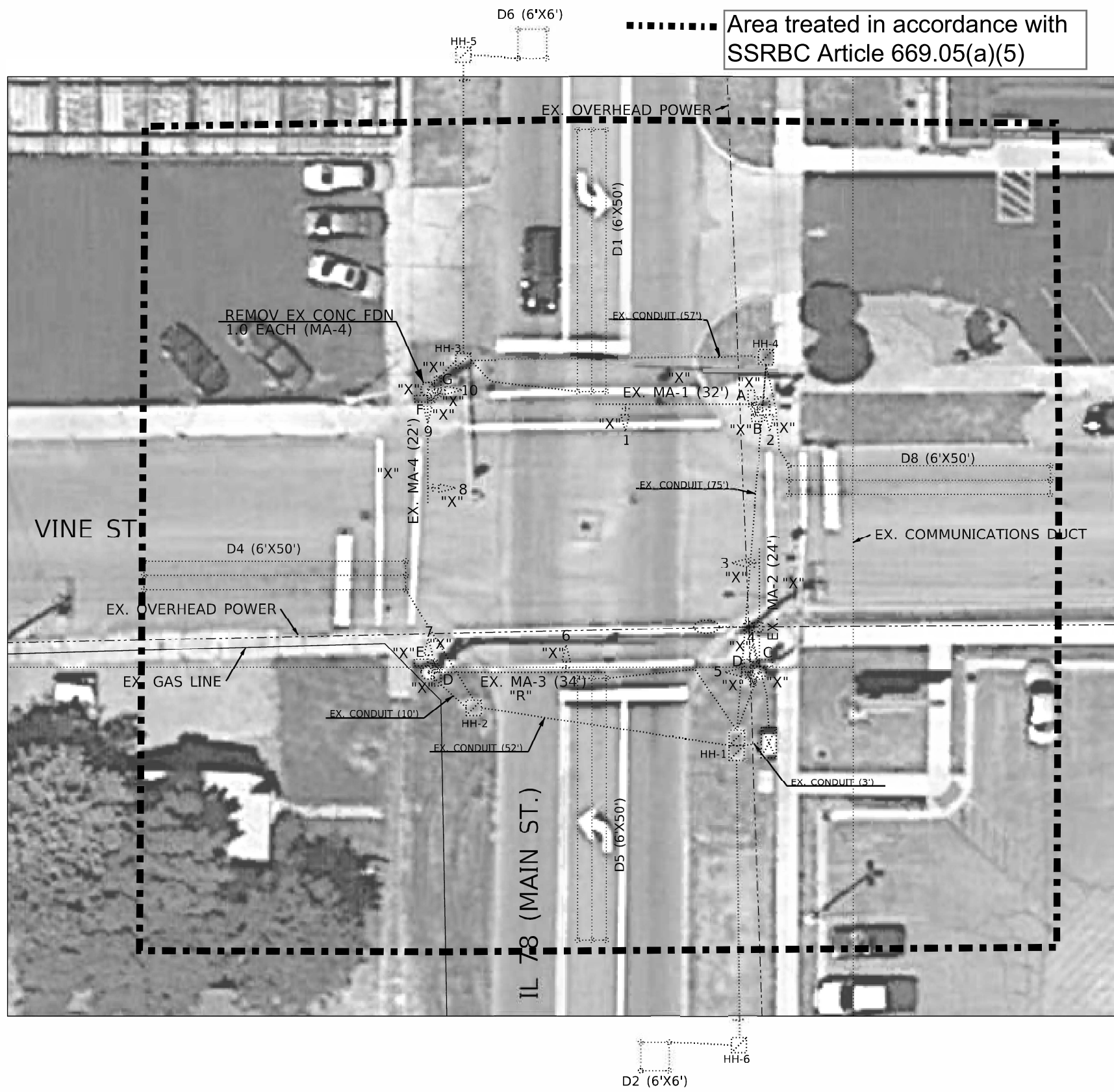
USER NAME = Trevor.Hanson	DESIGNED -	REVISED -
PLOT SCALE = 23,8272 * / in.	DRAWN -	REVISIED -
PLOT DATE = 3/22/2023	CHECKED -	REVISIED -
	DATE -	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES - CONTINUED	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22, 64	(135)TS-2;(58CS)TS	*	33	10
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				

..... Area treated in accordance with SSRBC Article 669.05(a)(5)



BILL OF MATERIALS		
IL 78 (MAIN ST.) & VINE ST.		
ITEM DESCRIPTION	UNIT	QTY.
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REMOVE EXISTING CONCRETE FOUNDATION*	EACH	1.0
*CONCRETE FOUNDATIONS TO BE REMOVED: MA-4		

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
6.0	SIGNAL HEAD, BRACKET MOUNTED (SIGNAL HEADS 2,4,5,7,9,10)
4.0	SIGNAL HEAD, MAST ARM MOUNTED (SIGNAL HEADS 1,3,6,8)
4.0	PEDESTRIAN SIGNAL HEAD 2-FACE (A/B,C/D,E/F,G/H)
8.0	PEDESTRIAN PUSHBUTTON (P1,P2,P3,P4,P5,P6,P7,P8)
2.0	STEEL MAST ARM ASSEMBLY AND POLE (MA-2,MA-4)
1.0	ELECTRIC SERVICE
ALL	ELECTRICAL CABLE NOT USED IN PROPOSED PLANS

THE FOLLOWING ITEMS SHALL BE REMOVED AND DELIVERED TO THE IDOT PEORIA WEST MAINTENANCE FACILITY AT 6500 W. HIGHWAY 150 EDWARDS, IL 61529.

QTY.	ITEM DESCRIPTION
1.0	STEEL MAST ARM ASSEMBLY AND POLE (MA-1)

"X" INDICATES REMOVAL ITEM
"R" INDICATED RE-USE ITEM

- NOTES:
1. THE EXISTING DETECTOR LOOPS SHALL BE RE-USED WITH THE PROPOSED TRAFFIC SIGNALS.
 2. THE CONCRETE FOUNDATIONS FOR MA-1 AND MA-2 SHALL BE MODIFIED AS SHOWN IN THE PLANS.
 3. THE CONCRETE FOUNDATION AND MAST ARM MA-3 SHALL BE RE-USED AS SHOWN IN THE PLANS.
 4. THE CONCRETE FOUNDATION FOR MA-4 SHALL BE REMOVED AS SHOWN IN THE PLANS.

NOT TO SCALE

MODEL: Default
FILE NAME: S:\CEN\HW\02\DESIGN\Akhanson\68H55_Mast_Arm_2023\115158H55_Mast_Arm_2023_Rev02.dwg
DATE: 03-23-23
USER: Trevor.Hanson

USER NAME = Trevor.Hanson	DESIGNED -	REVISED - 04-26-23 TJH
PLOT SCALE = 23.8272' / in.	DRAWN -	REVISOR -
PLOT DATE = 3/22/2023	CHECKED -	DATE -
	DATE -	REVISOR -

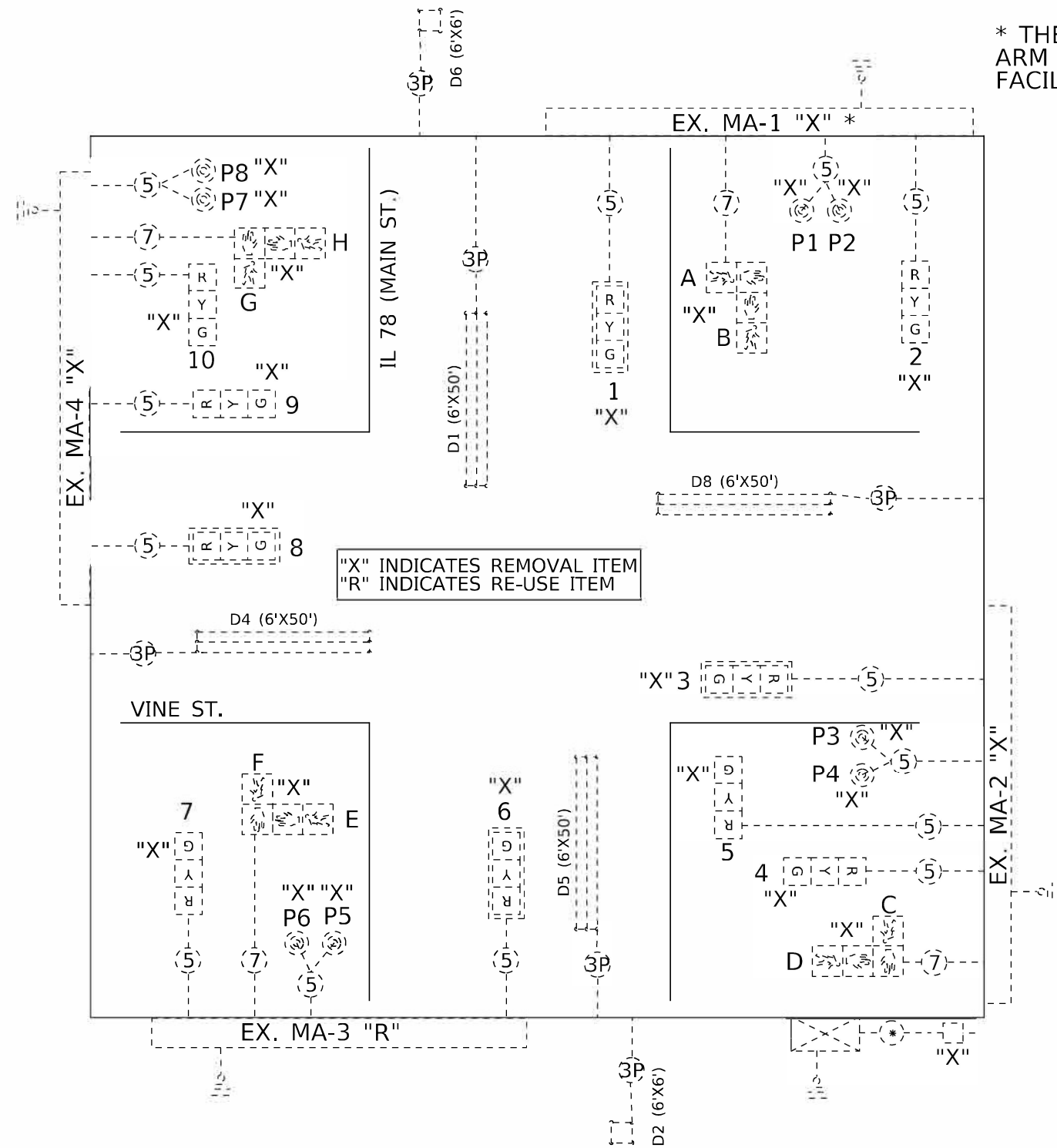
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL PLANS AND REMOVAL ITEMS
IL 78 (MAIN ST.) & VINE ST. - CANTON

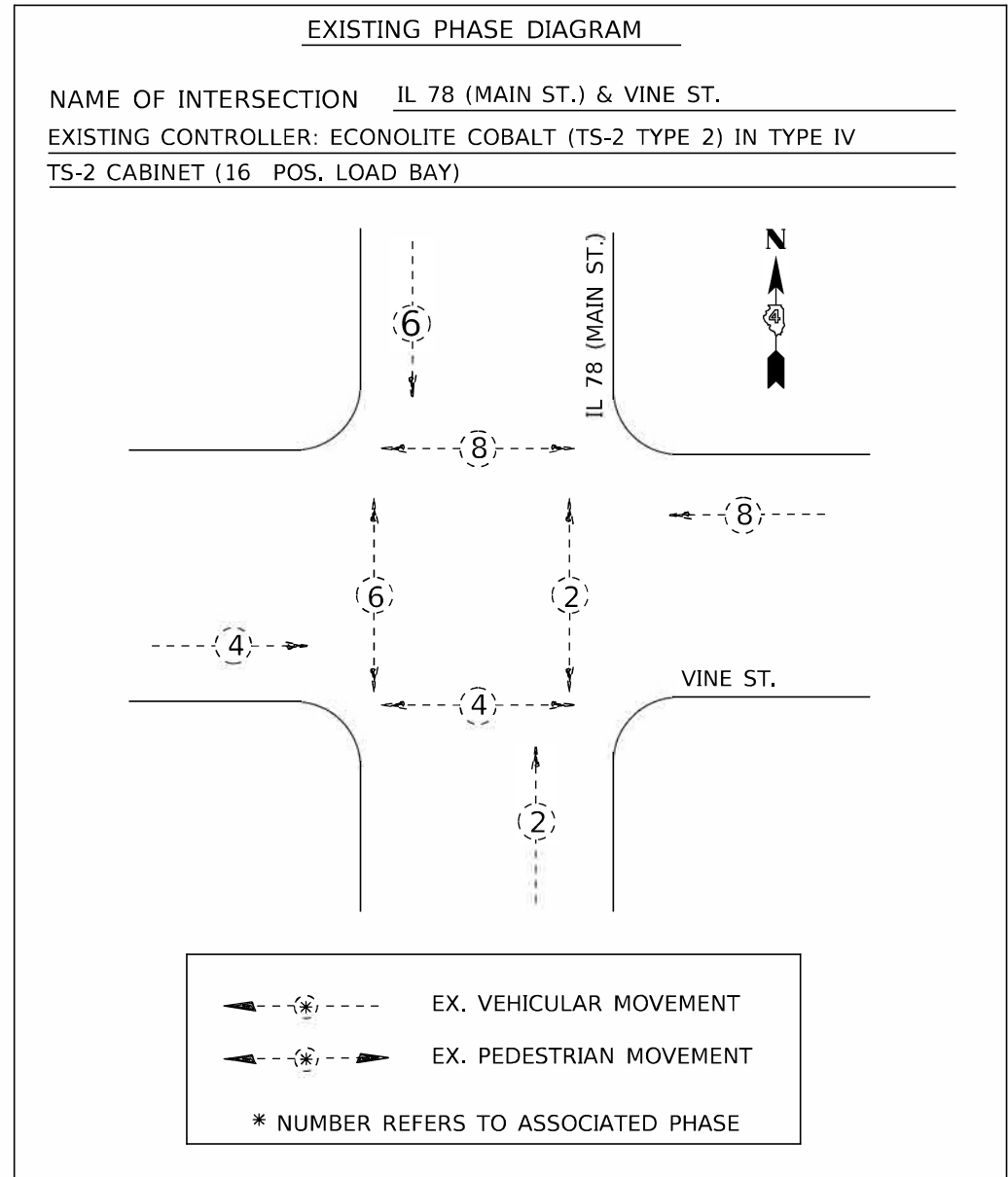
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(135)TS-2;(58CS)TS	FULTON	33	11
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

* THE CONTRACTOR SHALL REMOVE AND DELIVER THE EXSTING MAST ARM AND STRAIN POLE MA-1 TO THE IDOT PEORIA WEST MAINTENANCE FACILITY AT 6500 W. HIGHWAY 150 EDWARDS, IL 61529.



"X" INDICATES REMOVAL ITEM
"R" INDICATES RE-USE 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. PEDESTRIAN SIGNAL HEAD | EX. 7/C NO. 14 SIGNAL CABLE |
| EX. DETECTOR LOOP | EX. PEDESTRIAN PUSHBUTTON | EX. 1/C NO. 6 CABLE |
| EX. QUADRAPOLE DETECTOR LOOP | EX. CCTV CABLE | EX. NO. 18 3-PR DETECTOR LOOP CABLE |

MODEL: Default
FILE NAME: S:\CEN\HW\02\DESIGN\Ahhanson\68H55_Mast_Arm_2023\1158CS\TS_Mast_Arm_2023_Rev03.dgn

NOT TO SCALE

USER NAME = Trevor.Hanson	DESIGNED -	REVISED -
DRAWN -	REVISIONS -	
PLOT SCALE = 23.8272' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

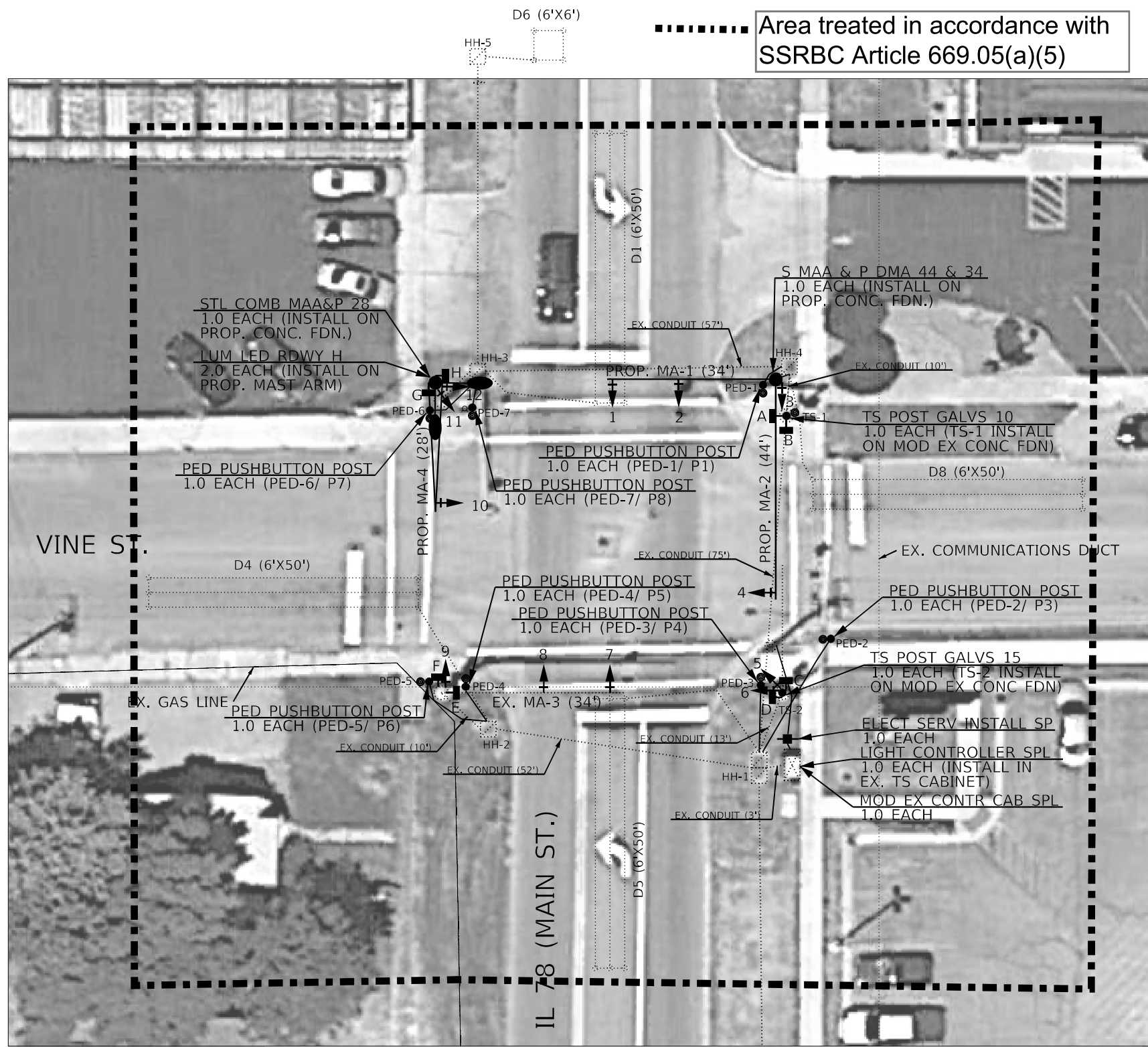
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING CABLE & PHASE DIAGRAMS
IL 78 (MAIN ST.) & VINE ST. - CANTON**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(135)TS-2;(58CS)TS	FULTON	33	12
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				

..... Area treated in accordance with SSRBC Article 669.05(a)(5)



BILL OF MATERIALS		
IL 78 (MAIN ST.) & VINE ST. - CANTON		
ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	10.0
SIGN PANEL - TYPE 2	SQ FT	43.0
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	2.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1.0
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 44 FT. AND 34 FT.	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	12.0
ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1.0
LIGHTING CONTROLLER, SPECIAL	EACH	1.0
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8.0
PEDESTRIAN PUSH-BUTTON POST	EACH	7.0
MODIFY EXISTING CONTROLLER CABINET, SPECIAL	EACH	1.0

- 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.
 - THE CONTRACTOR SHALL FURNISH AND INSTALL DUAL 15 FT. LUMINAIRE ARMS FOR THE PROPOSED MAST ARM MA-4, THE COST OF THE LUMINAIRE ARMS SHALL BE INCLUDED IN THE COST OF THE MAST ARM.
 - THE CONTRACTOR SHALL ORIENT THE PROPOSED SIGNAL HEAD 5 TO OPTIMIZE VISIBILITY FROM SB LEFT TURN LANE.

TRAFFIC SIGNAL HEAD SCHEDULE			
IL 78 (MAIN) & VINE			
PROP. QTY.	UNIT	ITEM	LOCATION
4.0	EACH	SH P LED 1F 3S BM	3,6,9,12
4.0	EACH	SH P LED 1F 3S MAM	2,4,8,10
2.0	EACH	SH P LED 1F 4S BM	5,11
2.0	EACH	SH P LED 1F 4S MAM	1,7
4.0	EACH	PED SH P LED 2F BM CT	A/B,C/D,E/F,G/H
12.0	EACH	TS BACKPLATE RET-REFL	1,2,3,4,5,6,7,8,9,10,11,12

ACCESSIBLE PEDESTRIAN SIGNAL (APS) SCHEDULE		
IL 78 (MAIN) & VINE		
NAME	PROP. ACCESSIBLE PEDESTRIAN SIGNAL QTY.	LOCATION
P1	1.0	NE QUAD (PED-1)
P2	1.0	NE QUAD (TS-1)
P3	1.0	SE QUAD (PED-2)
P4	1.0	SE QUAD (PED-3)
P5	1.0	SW QUAD (PED-4)
P6	1.0	SW QUAD (PED-5)
P7	1.0	NE QUAD (PED-6)
P8	1.0	NE QUAD (PED-7)

MAST ARM AND TRAFFIC SIGNAL POST SCHEDULE							
IL 78 (MAIN) & VINE							
NAME	DESCRIPTION	LENGTH A	LENGTH B	PROPOSED FOUNDATION			LOCATION
				DIAMETER	TYPE	DEPTH	
MA-1/MA-2	S MAA & P DMA 44 & 34	44 FT	34 FT	36 INCH	TYPE E	13.0 FT	NE QUAD
MA-4*	STL COMB MAA&P 28	28 FT		30 INCH	TYPE E	10 FT	NW QUAD
TS-1	TS POST GALVS 10	10 FT		INSTALL ON MODIFIED CONCRETE FOUNDATION			NE QUAD
TS-2	TS POST GALVS 15	15 FT		INSTALL ON MODIFIED CONCRETE FOUNDATION			SW QUAD
EX MA-3	EX. 34 FT MAST ARM	34 FT		EX. FOUNDATION			SW QUAD

* MA-4 TO BE FURNISHED WITH DUAL 15 FT. LUMINAIRE ARMS (INCLUDED IN THE COST OF THE MAST ARM ASSEMBLY AND POLE.)

NOT TO SCALE

MODEL Path: S:\CEN\WV\ORD\SP\AN\Borson# 68H55 Main Arm 2023\Final\68H55 Main Arm 2023 Revise.dwg (03-23-23).dgn

USER NAME = Trevor.Hanson	DESIGNED -	REVISED - 04-26-23 TJH
PLOT SCALE = 23,8272' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

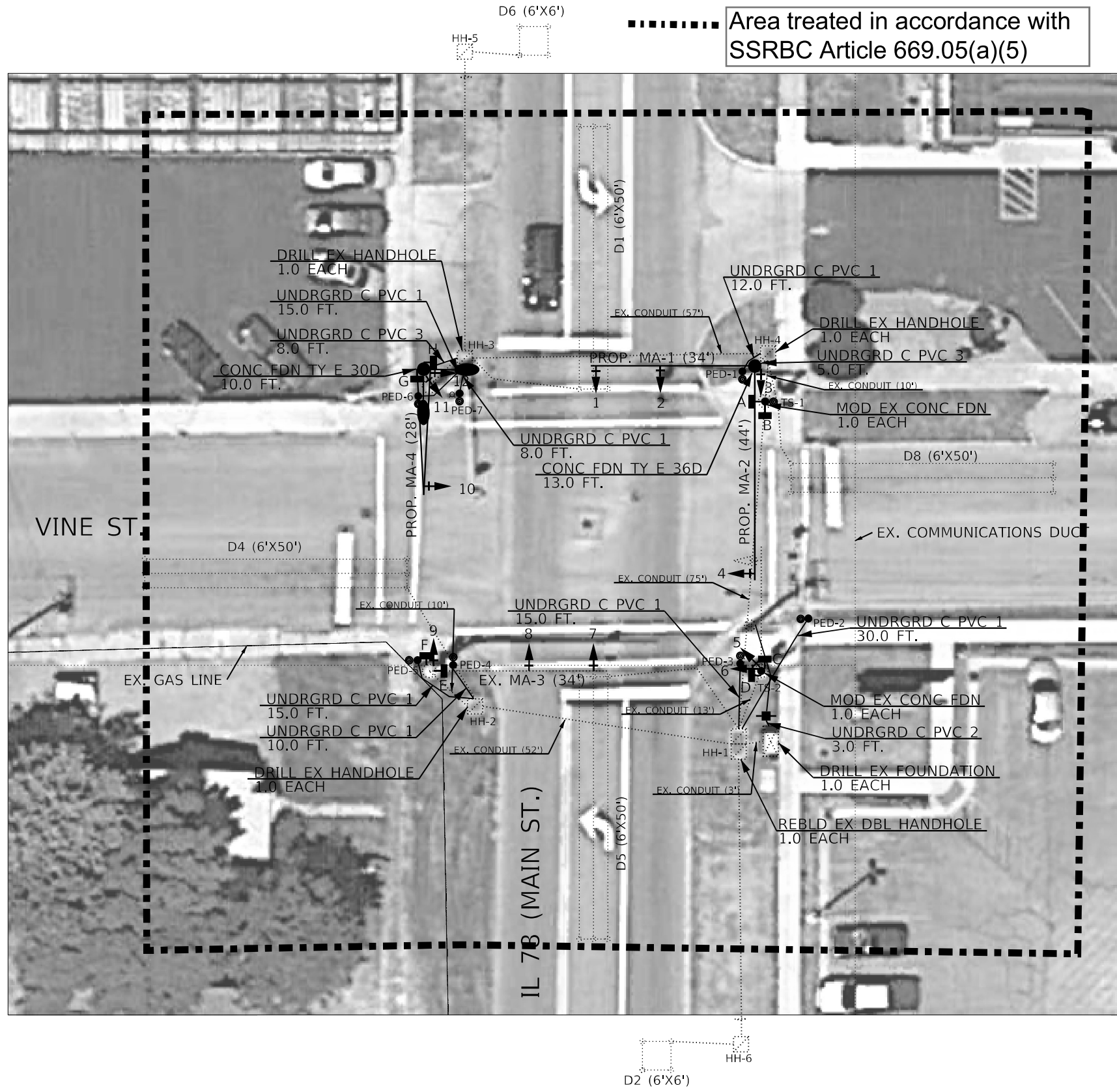
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL PLANS
IL 78 (MAIN ST.) & VINE ST. - CANTON**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 22	SECTION (135)TS-2;(58CS)TS	COUNTY FULTON	TOTAL SHEETS 33	SHEET NO. 13
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				

..... Area treated in accordance with SSRBC Article 669.05(a)(5)



BILL OF MATERIALS		
IL 78 (MAIN ST.) & VINE ST. - CANTON		
ITEM DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	105.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	3.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	13.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	712.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	18.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	909.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1153.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1031.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	41.0
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13.0
DRILL EXISTING FOUNDATION	EACH	1.0
DRILL EXISTING HANDHOLE	EACH	3.0
MODIFY EXISTING CONCRETE FOUNDATION	EACH	2.0
REBUILD EXISTING DOUBLE HANDHOLE	EACH	1.0

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NOT TO SCALE

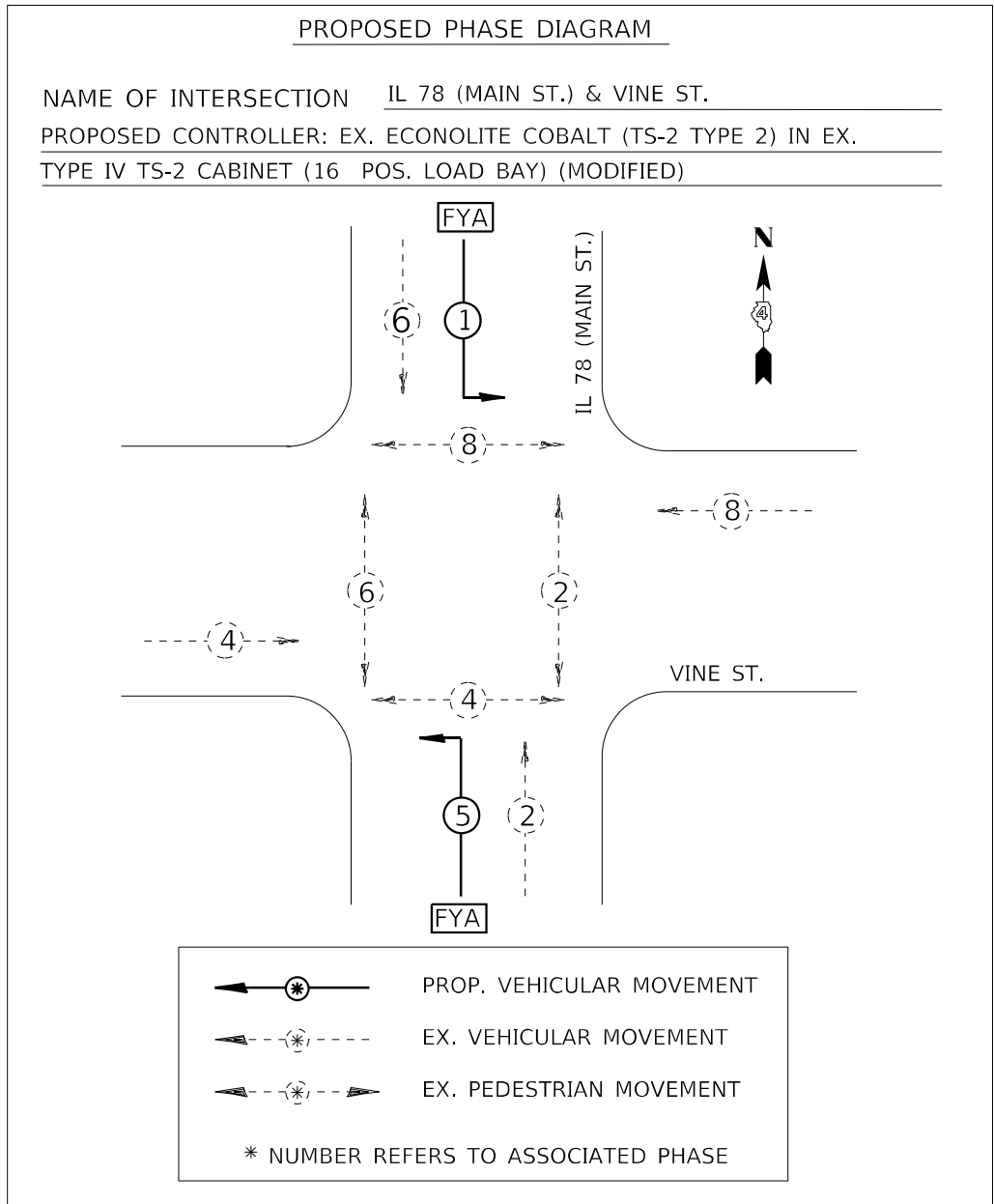
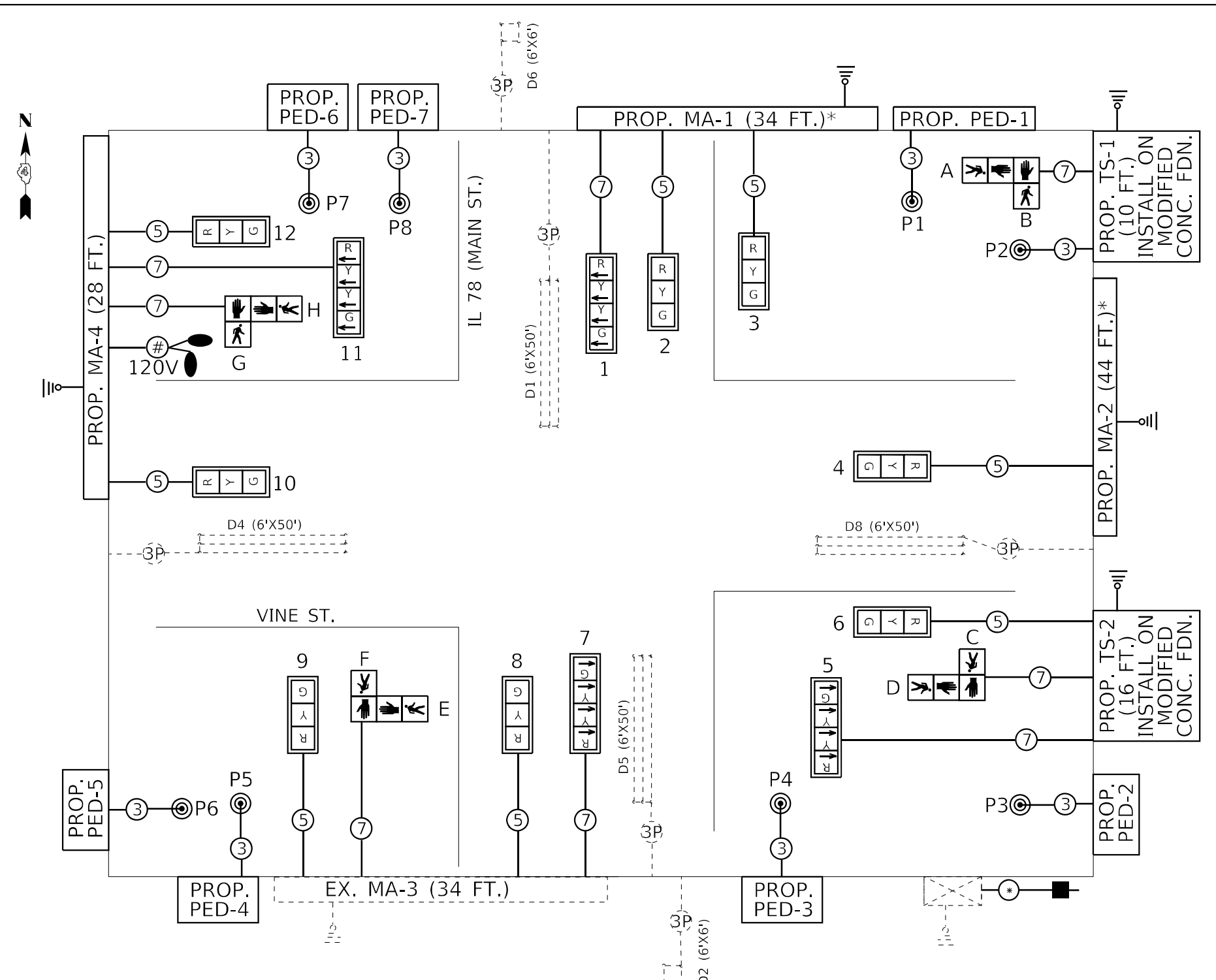
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PLOT SCALE = 23,8272' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CONDUIT, HANDHOLE & FOUNDATION PLANS
IL 78 (MAIN ST.) & VINE ST. - CANTON

F.A.P. RTE. 22	SECTION (135)TS-2;(58CS)TS	COUNTY FULTON	TOTAL SHEETS 33	SHEET NO. 14
SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 68H55	
ILLINOIS FED. AID PROJECT				

MODEL: Default
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 3/22/2023



TRAFFIC SIGNALS LEGEND

- | | | |
|---------------------------------------|---|--|
| EX. TRAFFIC SIGNAL CONTROLLER CABINET | PROP. 3 SEC. SIGNAL HEAD WITH BACKPLATE | PROP. 3/C NO. 14 SIGNAL CABLE |
| PROP. ELECTRIC SERVICE | PROP. PEDESTRIAN SIGNAL HEAD | PROP. 5/C NO. 14 SIGNAL CABLE |
| EX. GROUND/SAFETY BOND | EX. GROUND/SAFETY BOND | PROP. 7/C NO. 14 SIGNAL CABLE |
| EX. DETECTOR LOOP | PROP. PUSHBUTTON (APS) | PROP. 1/C 600V XLP-TYPE USE NO. 10 CABLE |
| EX. QUADRAPOLE DETECTOR LOOP | | PROP. 1/C NO. 6 CABLE |
| PROP. ROADWAY LUMINAIRE, LED | | EX. NO. 18 3-PR DETECTOR LOOP CABLE |

* PROP. MA-1 & MA-2 ARE INSTALLED ON A DUAL STRUCTURE

ALL LUMINAIRES SHALL OPERATE AT 120V

THE CONTRACTOR SHALL ORIENT THE PROPOSED SIGNAL HEAD 5 TO OPTIMIZE VISIBILITY FROM SB LEFT TURN LANE.

NOT TO SCALE

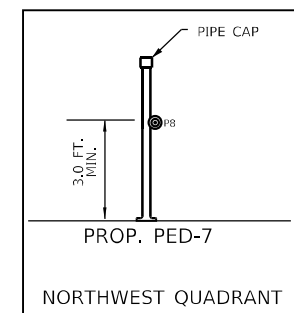
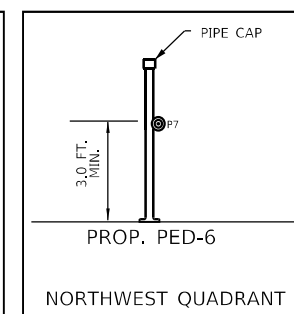
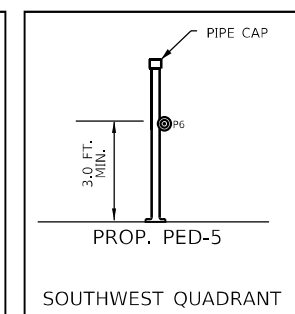
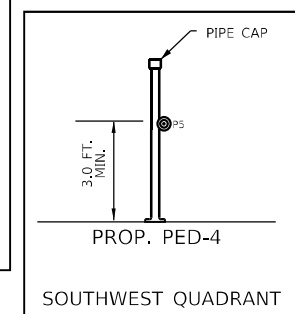
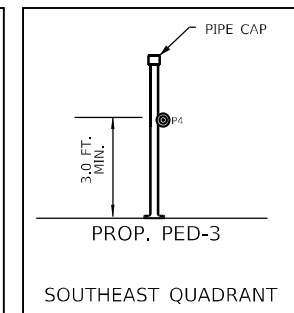
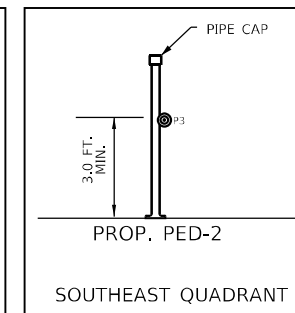
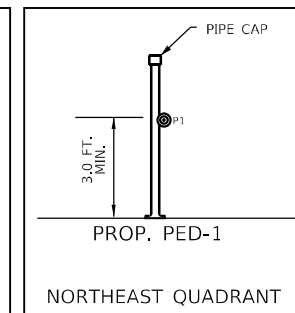
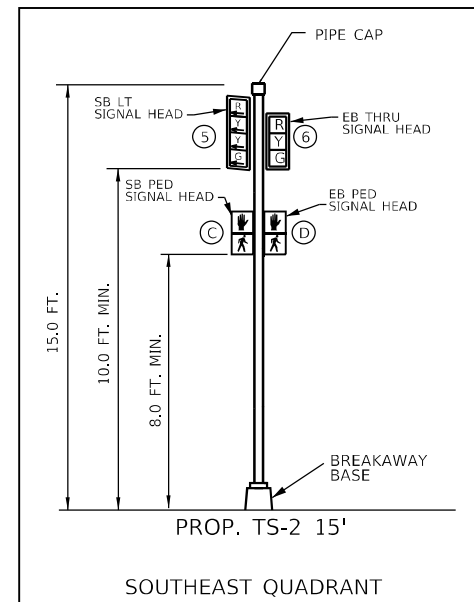
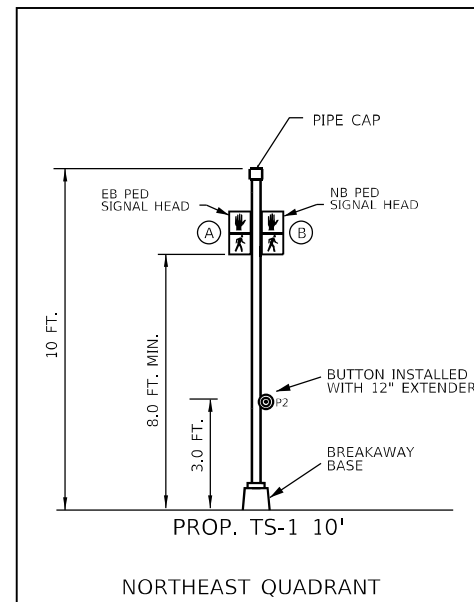
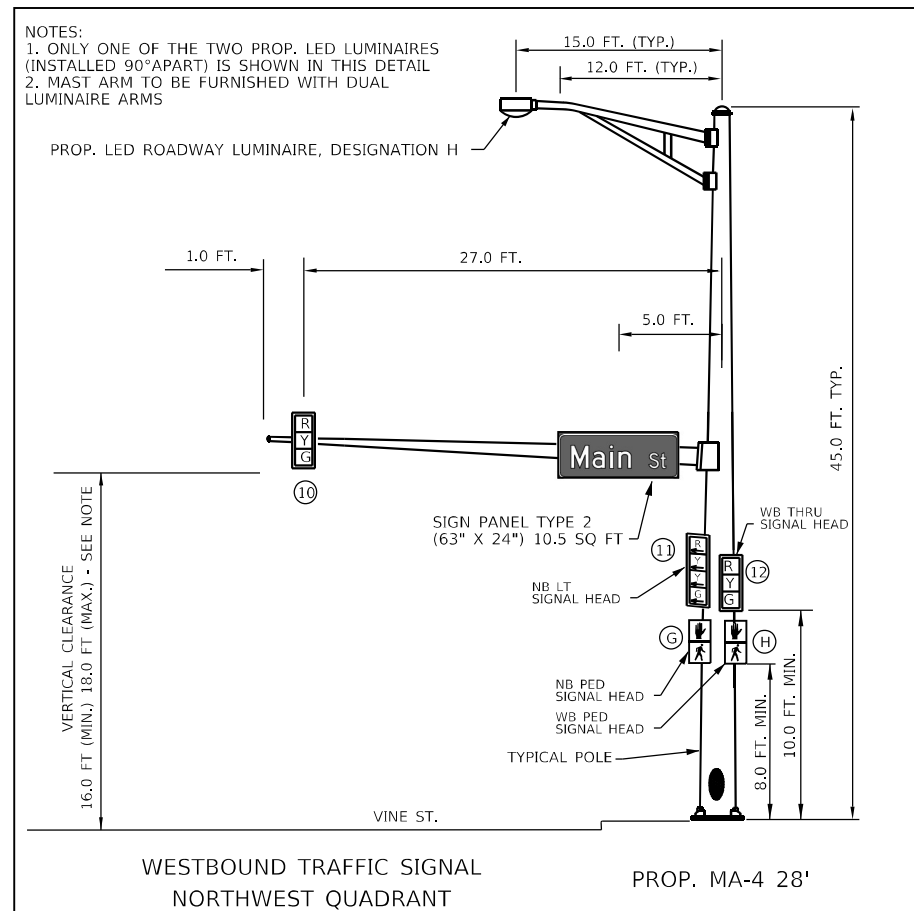
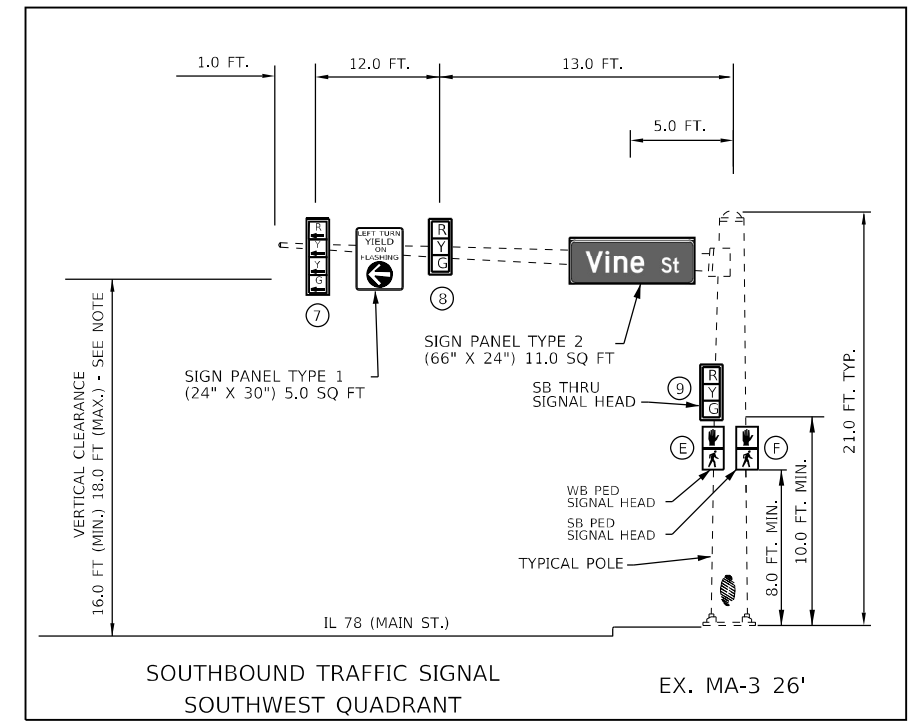
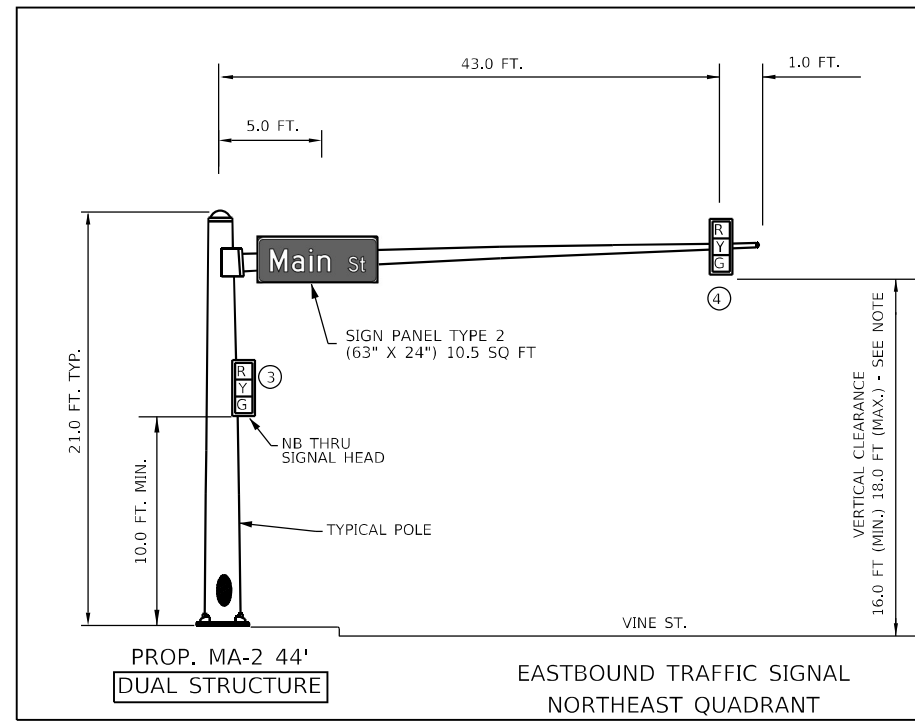
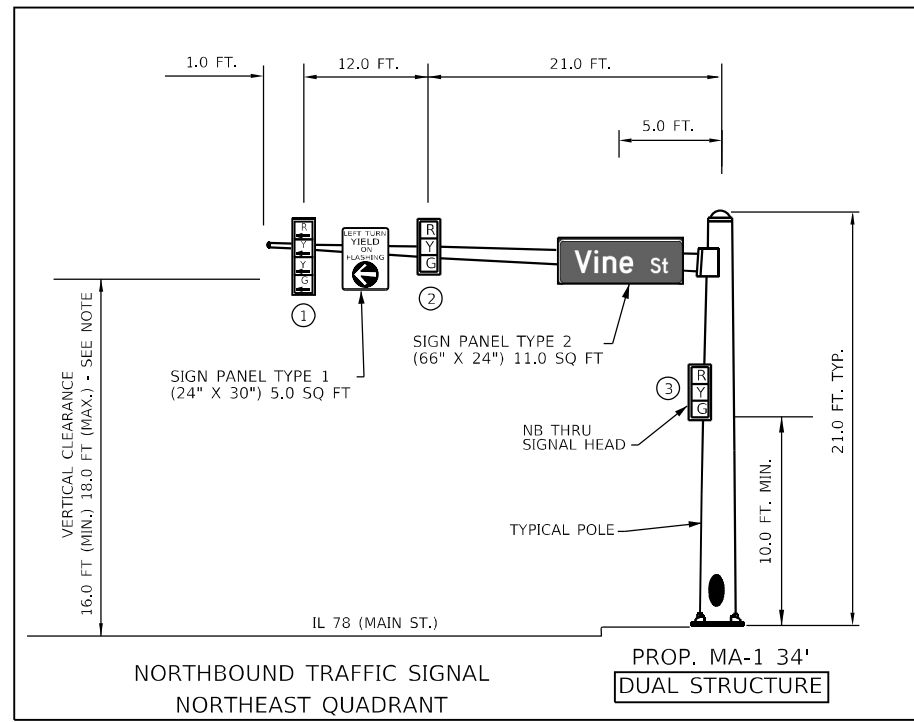
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PLOT SCALE = 23,8272' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED CABLE & PHASE DIAGRAMS
IL 78 (MAIN ST.) & VINE ST. - CANTON**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(135)TS-2;(58CS)TS	FULTON	33	15
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



- NOTES:
1. THE VERTICAL CLEARANCE REQUIREMENTS BETWEEN THE BOTTOM OF THE LOWEST SIGNAL HEAD BACKPLATE AND THE HIGHEST POINT OF THE PAVEMENT ARE AS FOLLOWS: 16.0 FT (MIN.) AND 18.0 FT (MAX.)
 2. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
 3. THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER.
 4. 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.
 5. THE CONTRACTOR SHALL FURNISH AND INSTALL DUAL 15 FT. LUMINAIRE ARMS FOR THE PROPOSED MAST ARM MA-4, THE COST OF THE LUMINAIRE ARMS SHALL BE INCLUDED IN THE COST OF THE MAST ARM.
 6. THE CONTRACTOR SHALL ORIENT THE PROPOSED SIGNAL HEAD 5 TO OPTIMIZE VISIBILITY FROM SB LEFT TURN LANE.

MODEL PATH: S:\CEN\WV\ORD\ESP\AN\Hanson\68H55 Main Arm 2023\Final\68H55 Main Arm 2023.dwg, 03-23-23, 10:00

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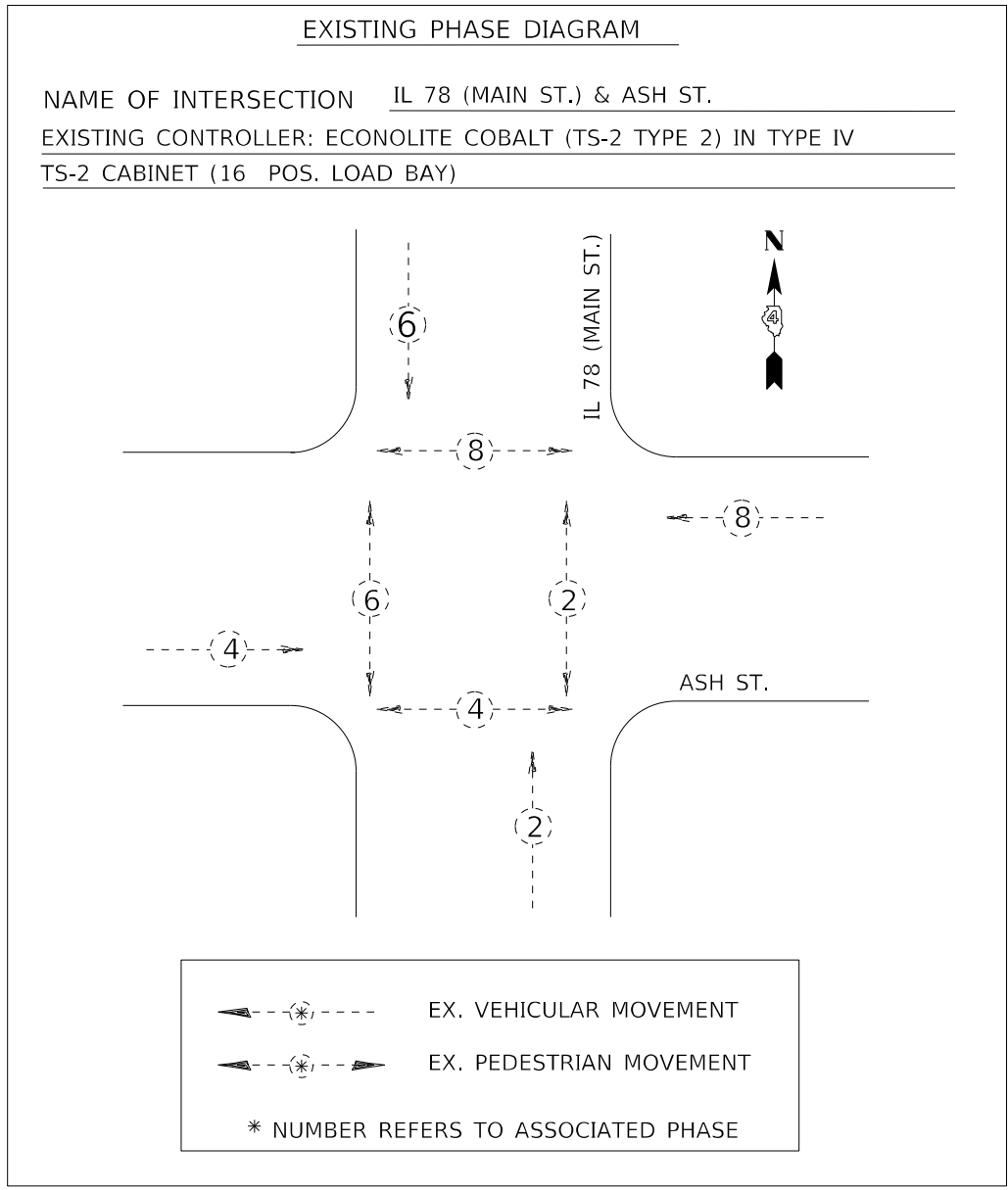
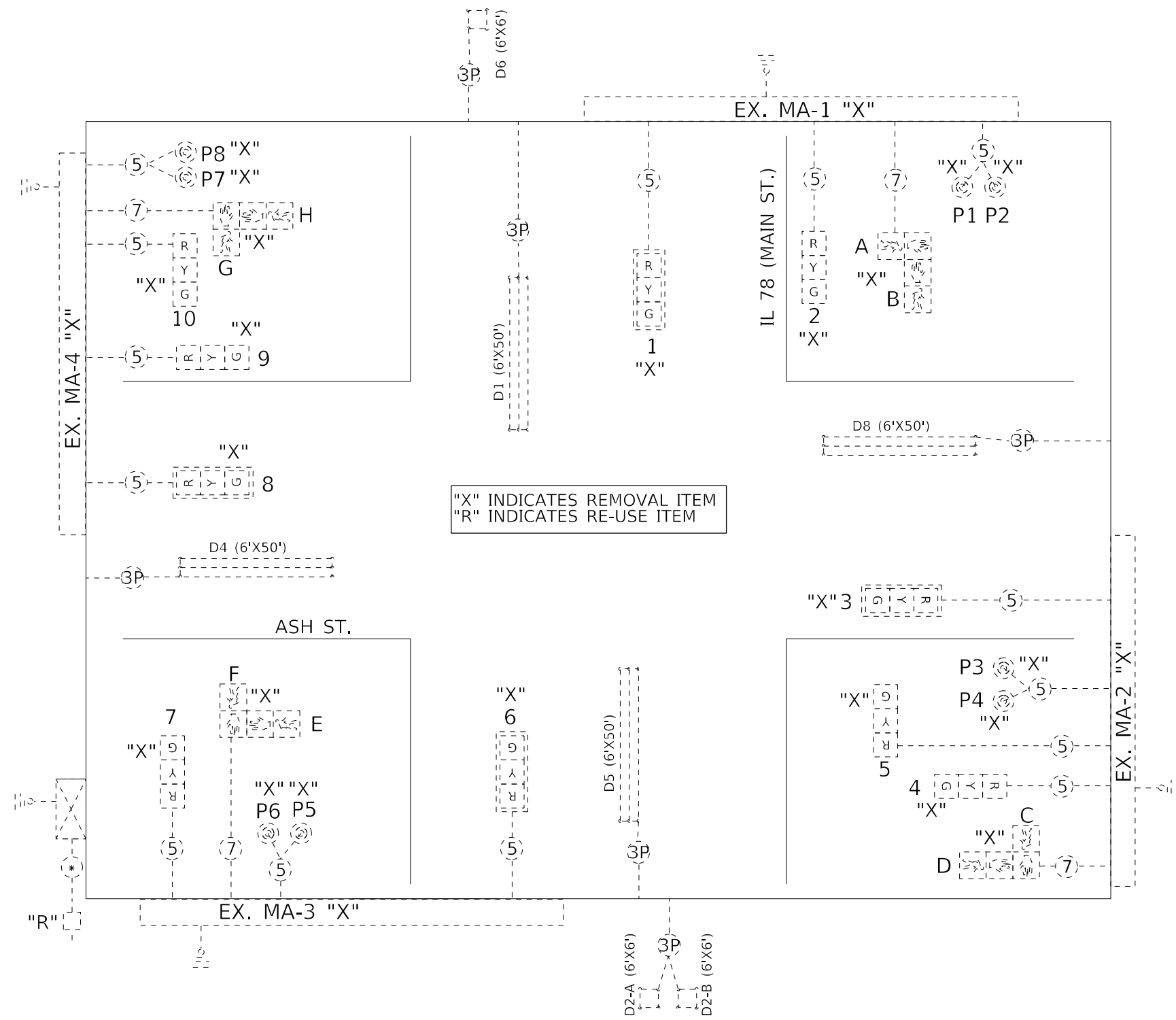
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED MAST ARM AND POST DETAILS
IL 78 (MAIN ST.) & VINE ST. - CANTON**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. = 22	SECTION = (135)TS-2;(58CS)TS	COUNTY = FULTON	TOTAL SHEETS = 33	SHEET NO. = 16
				CONTRACT NO. 68H55
		ILLINOIS	FED. AID PROJECT	

NOT TO SCALE



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. 3 SEC. SIGNAL HEAD WITHOUT BACKPLATE		EX. 7/C NO. 14 SIGNAL CABLE
	EX. DETECTOR LOOP		EX. PEDESTRIAN PUSHBUTTON		EX. 1/C NO. 6 CABLE
	EX. QUADRAPOLE DETECTOR LOOP		EX. CCTV CABLE		EX. NO. 18 3-PR DETECTOR LOOP CABLE

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING CABLE & PHASE DIAGRAMS
IL 78 (MAIN ST.) & ASH ST. - CANTON**

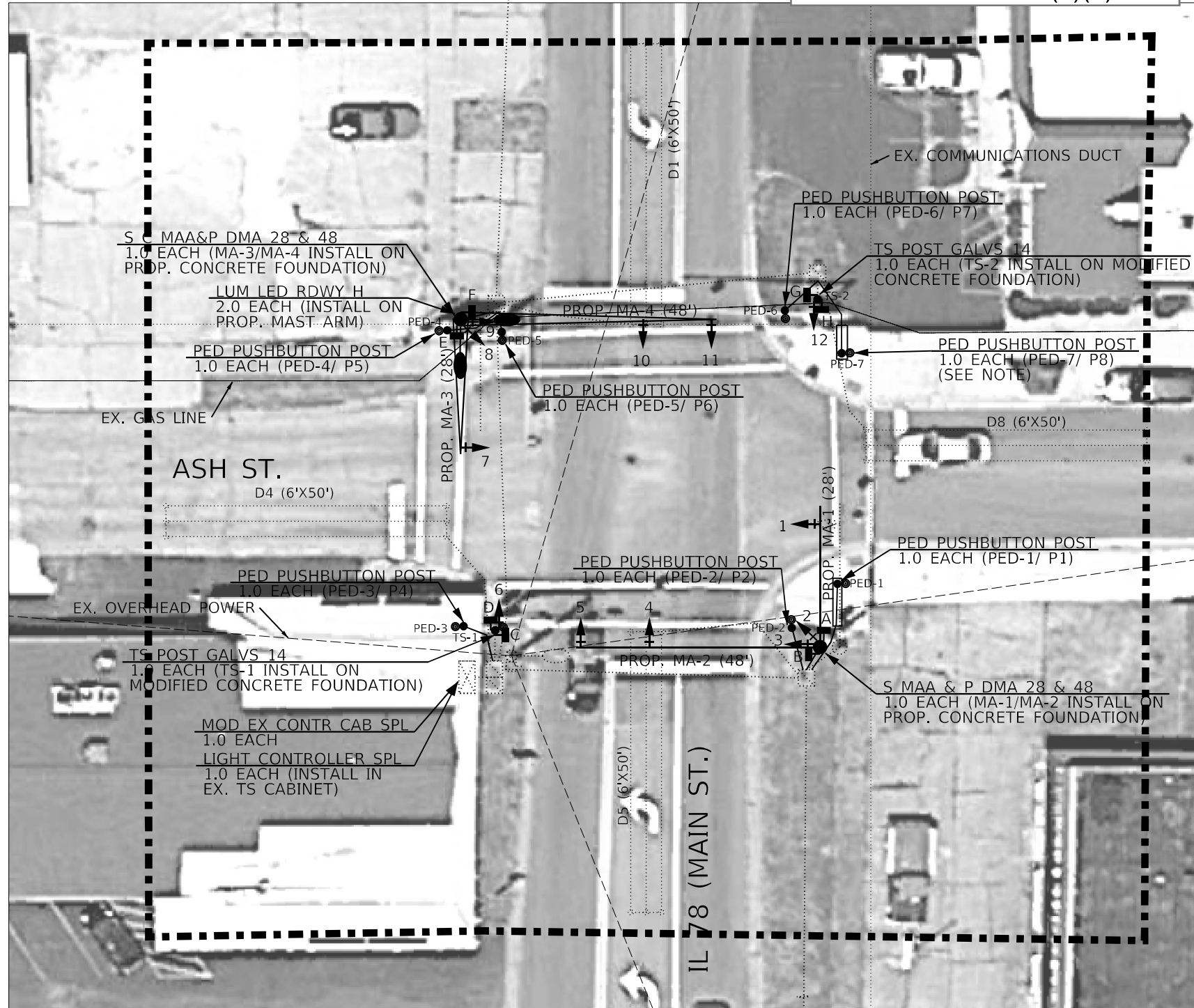
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(135)TS-2;(58CS)TS	FULTON	33	18
CONTRACT NO. 68H55				

SCALE: SHEET OF SHEETS STA. TO STA.

NOT TO SCALE

ILLINOIS FED. AID PROJECT

Area treated in accordance with SSRBC Article 669.05(a)(5)



BILL OF MATERIALS		
IL 78 (MAIN ST.) & ASH ST. - CANTON		
ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	10.0
SIGN PANEL - TYPE 2	SQ FT	41.0
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	2.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2.0
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 48 FT.	EACH	1.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 48 FT.	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	12.0
LIGHTING CONTROLLER, SPECIAL	EACH	1.0
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8.0
PEDESTRIAN PUSH-BUTTON POST	EACH	7.0
MODIFY EXISTING CONTROLLER CABINET, SPECIAL	EACH	1.0

NOTES:

1. THE CONTRACTOR SHALL RELOCATE ALL OTHER EXISTING SIGNS FROM THE REMOVED MAST ARMS AND TRAFFIC SIGNAL POSTS TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL POSTS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL POSTS.
2. THE CONTRACTOR SHALL FURNISH AND INSTALL DUAL 15 FT. LUMINAIRE ARMS FOR THE PROPOSED DUAL MAST ARMS MA-3/MA-4, THE COST OF THE LUMINAIRE ARMS SHALL BE INCLUDED IN THE COST OF THE MAST ARM.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL YELLOW RETROREFLECTIVE TAPE ON EACH SIDE OF THE PROPOSED PEDESTRIAN PUSH-BUTTON POST (PED-7.) THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE "PEDESTRIAN PUSH-BUTTON POST."

TRAFFIC SIGNAL HEAD SCHEDULE			
IL 78 (MAIN) & ASH			
PROP. QTY.	UNIT	ITEM	LOCATION
4.0	EACH	SH P LED 1F 3S BM	3,6,9,12
4.0	EACH	SH P LED 1F 3S MAM	1,5,7,11
2.0	EACH	SH P LED 1F 4S BM	2,8
2.0	EACH	SH P LED 1F 4S MAM	4,10
4.0	EACH	PED SH P LED 2F BM CT	A/B,C/D,E/F,G/H
12.0	EACH	TS BACKPLATE RET-REFL	1,2,3,4,5,6,7,8,9,10,11,12

ACCESSIBLE PEDESTRIAN SIGNAL (APS) SCHEDULE		
IL 78 (MAIN) & ASH		
NAME	PROP. ACCESSIBLE PEDESTRIAN SIGNAL QTY.	LOCATION
P1	1.0	SE QUAD (PED-1)
P2	1.0	SE QUAD (PED-2)
P3	1.0	SW QUAD (TS-1)
P4	1.0	SW QUAD (PED-3)
P5	1.0	NW QUAD (PED-4)
P6	1.0	NW QUAD (PED-5)
P7	1.0	NE QUAD (PED-6)
P8	1.0	NE QUAD (PED-7)

MAST ARM AND TRAFFIC SIGNAL POST SCHEDULE							
IL 78 (MAIN) & ASH							
NAME	DESCRIPTION	LENGTH A	LENGTH B	PROPOSED FOUNDATION			LOCATION
				DIAMETER	TYPE	DEPTH	
MA-1/MA-2	S MAA & P DMA 28 & 48	28 FT	48 FT	36 INCH	TYPE E	13.0 FT	SE QUAD
MA-3/MA-4*	S C MAA&P DMA 28 & 48	28 FT	48 FT	36 INCH	TYPE E	13.0 FT	NW QUAD
TS-1	TS POST GALVS 14	14 FT		INSTALL ON MODIFIED CONCRETE FOUNDATION			SW QUAD
TS-2	TS POST GALVS 14	14 FT		INSTALL ON MODIFIED CONCRETE FOUNDATION			SW QUAD

* DUAL STRUCTURE MA-3/MA-4 TO BE FURNISHED WITH DUAL 15 FT. LUMINAIRE ARMS (INCLUDED IN THE COST OF THE MAST ARM ASSEMBLY AND POLE.)

NOT TO SCALE

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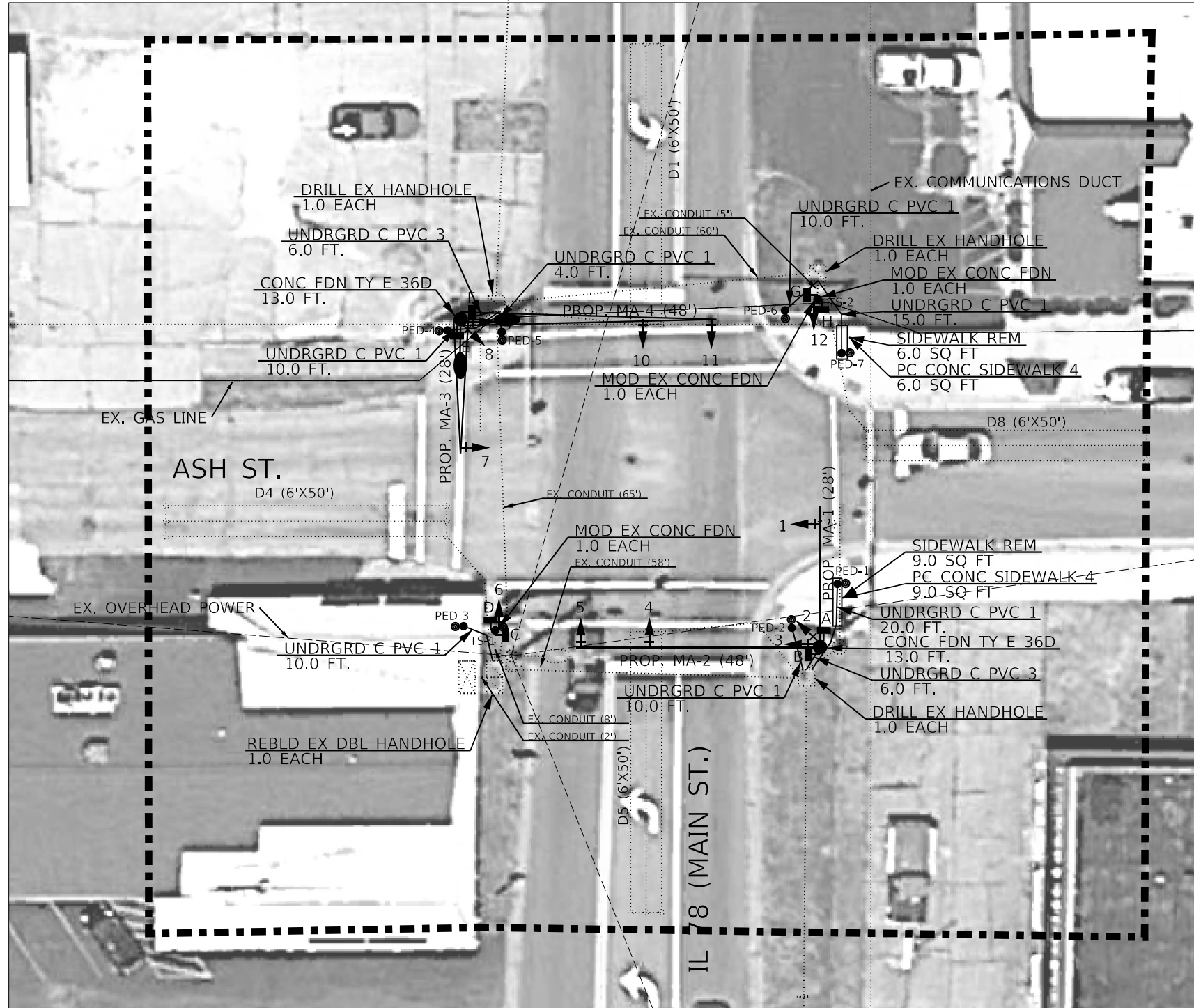
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PLOT SCALE = 23,8272' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL PLANS
IL 78 (MAIN ST.) & ASH ST. - CANTON**

F.A.P. RTE. = 22	SECTION = (135)TS-2;(58CS)TS	COUNTY = FULTON	TOTAL SHEETS = 33	SHEET NO. = 19
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				

Area treated in accordance with
SSRBC Article 669.05(a)(5)



IL 78 (MAIN ST.) & ASH ST. - CANTON		
ITEM DESCRIPTION	UNIT	QTY.
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	15.0
SIDEWALK REMOVAL	SQ FT	15.0
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	79.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	12.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	362.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	848.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1037.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	948.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	31.0
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26.0
DRILL EXISTING HANDHOLE	EACH	3.0
MODIFY EXISTING CONCRETE FOUNDATION	EACH	2.0
REBUILD EXISTING DOUBLE HANDHOLE	EACH	1.0

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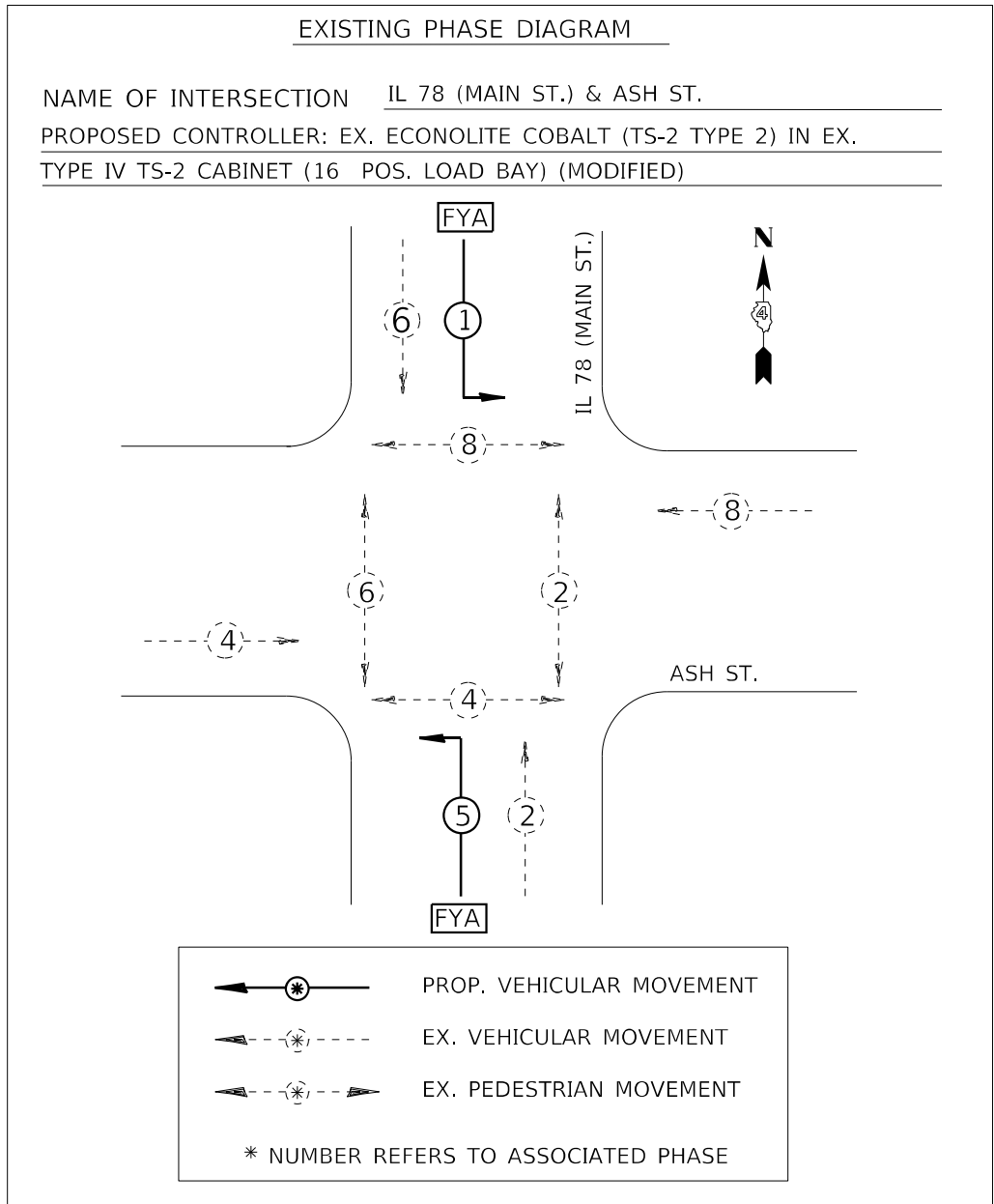
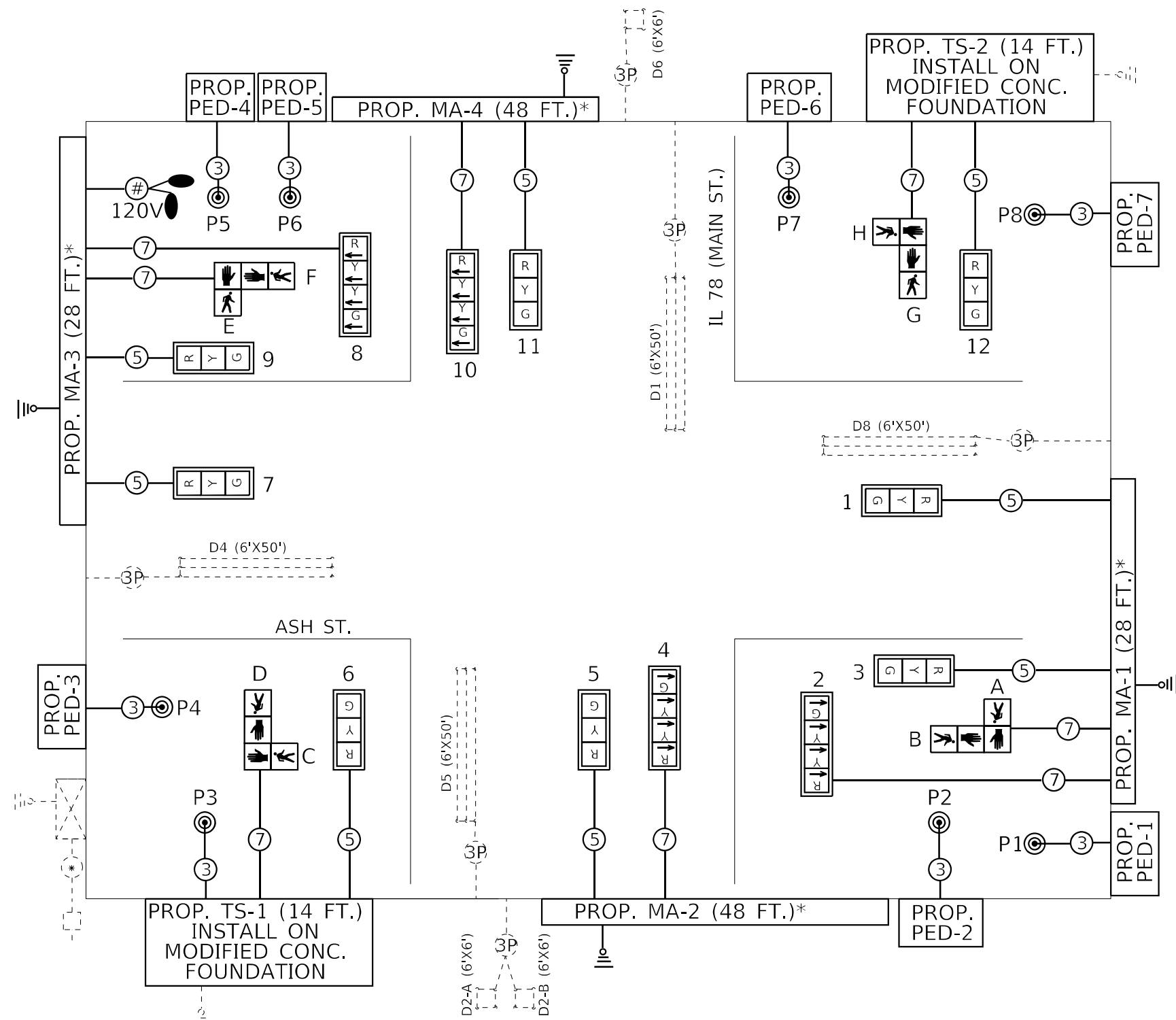
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PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED CONDUIT, HANDHOLE & FOUNDATION PLANS
IL 78 (MAIN ST.) & ASH ST. - CANTON

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(135)TS-2;(58CS)TS	FULTON	33	20
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNALS LEGEND

- | | | |
|---------------------------------------|---|--|
| EX. TRAFFIC SIGNAL CONTROLLER CABINET | PROP. 3 SEC. SIGNAL HEAD WITH BACKPLATE | PROP. 3/C NO. 14 SIGNAL CABLE |
| EX. ELECTRIC SERVICE | PROP. PEDESTRIAN SIGNAL HEAD | PROP. 5/C NO. 14 SIGNAL CABLE |
| EX. GROUND/SAFETY BOND | PROP. GROUND/SAFETY BOND | PROP. 7/C NO. 14 SIGNAL CABLE |
| EX. DETECTOR LOOP | PROP. PUSHBUTTON (APS) | PROP. 1/C 600V XLP-TYPE USE NO. 10 CABLE |
| EX. QUADRAPOLE DETECTOR LOOP | | EX. 1/C NO. 6 CABLE |
| PROP. ROADWAY LUMINAIRE, LED | | EX. NO. 18 3-PR DETECTOR LOOP CABLE |

* PROP. MA-1 & MA-2 ARE INSTALLED ON A DUAL STRUCTURE
 * PROP. MA-3 & MA-4 ARE INSTALLED ON A DUAL STRUCTURE

ALL LUMINAIRES SHALL OPERATE AT 120V

NOT TO SCALE

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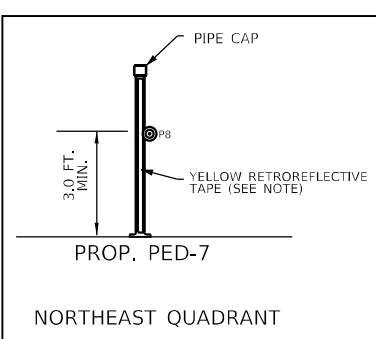
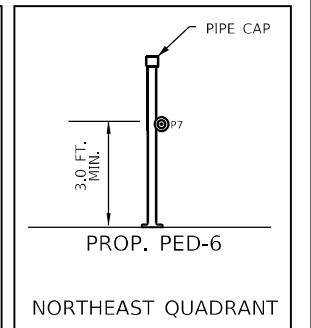
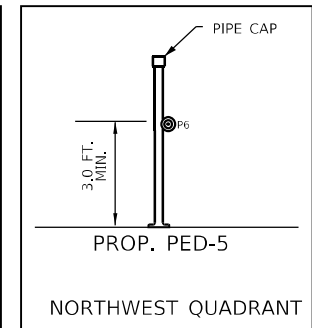
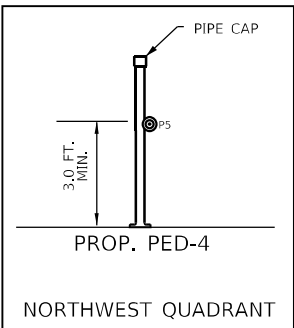
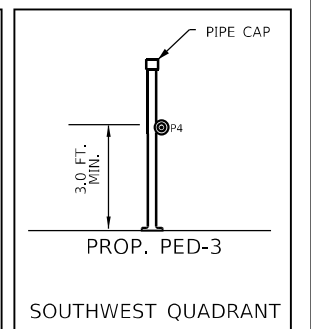
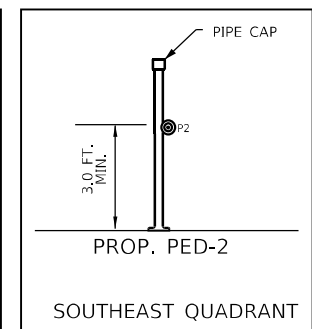
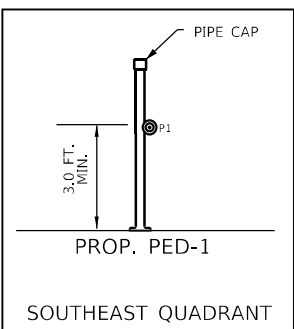
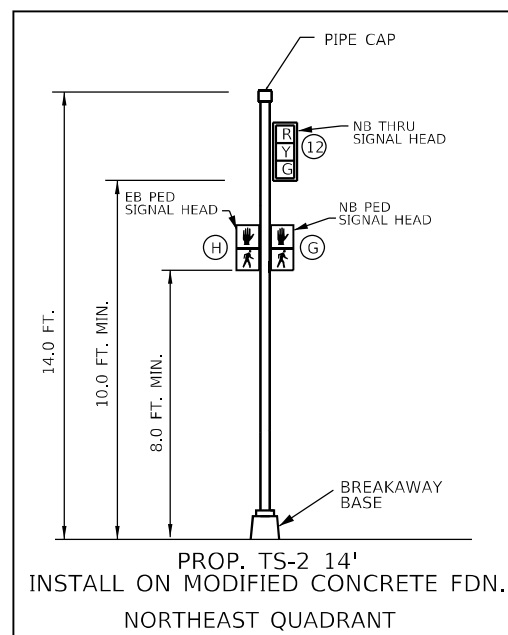
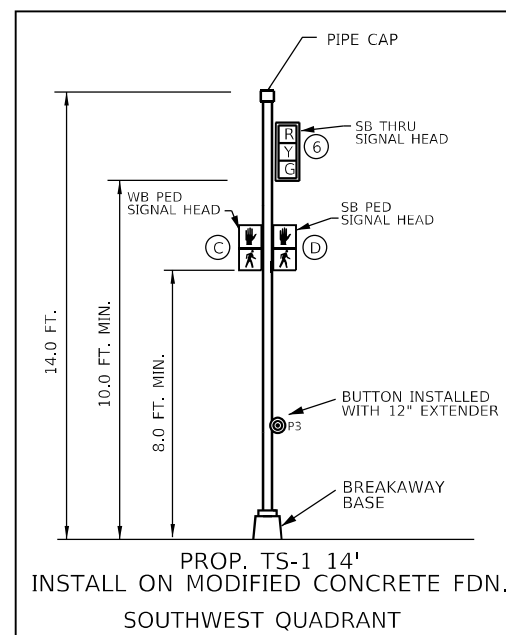
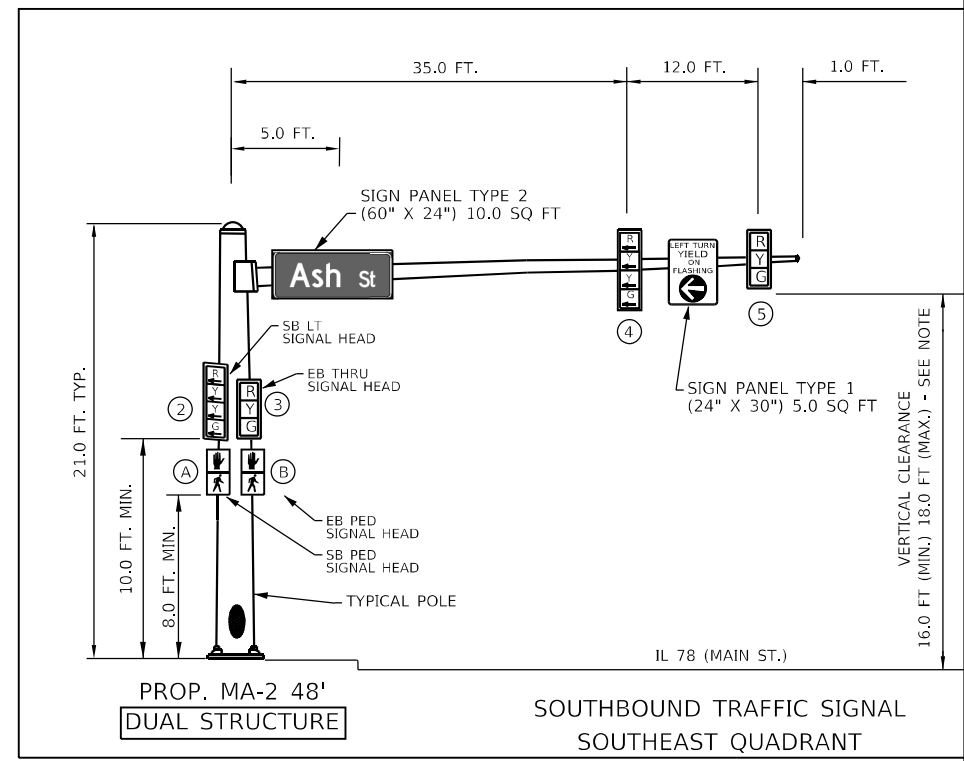
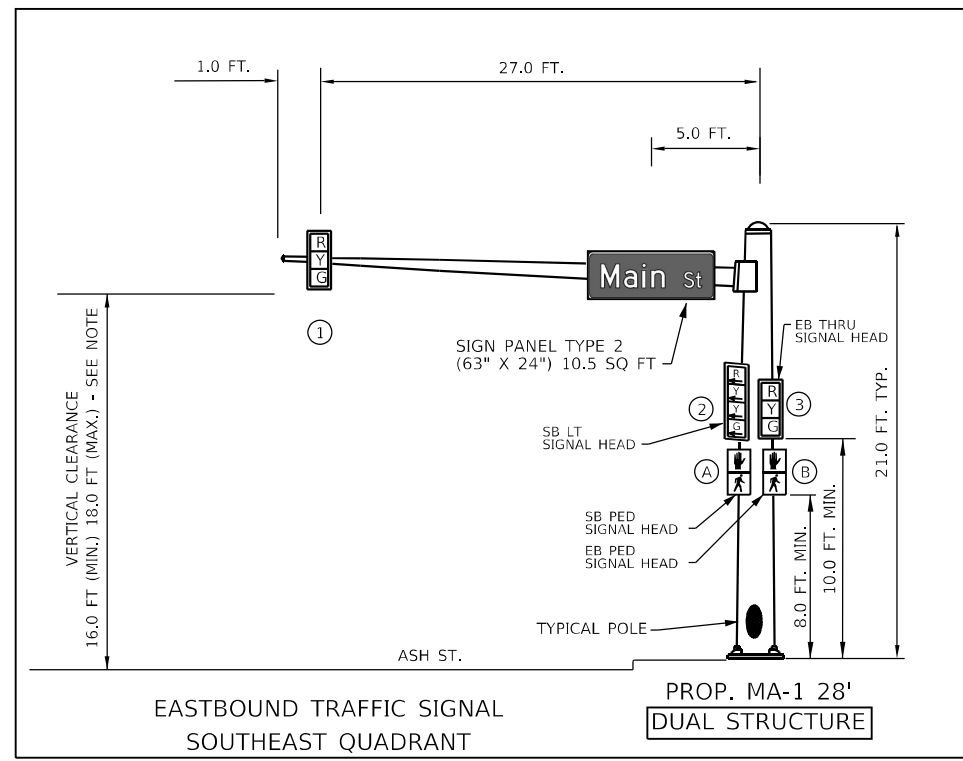
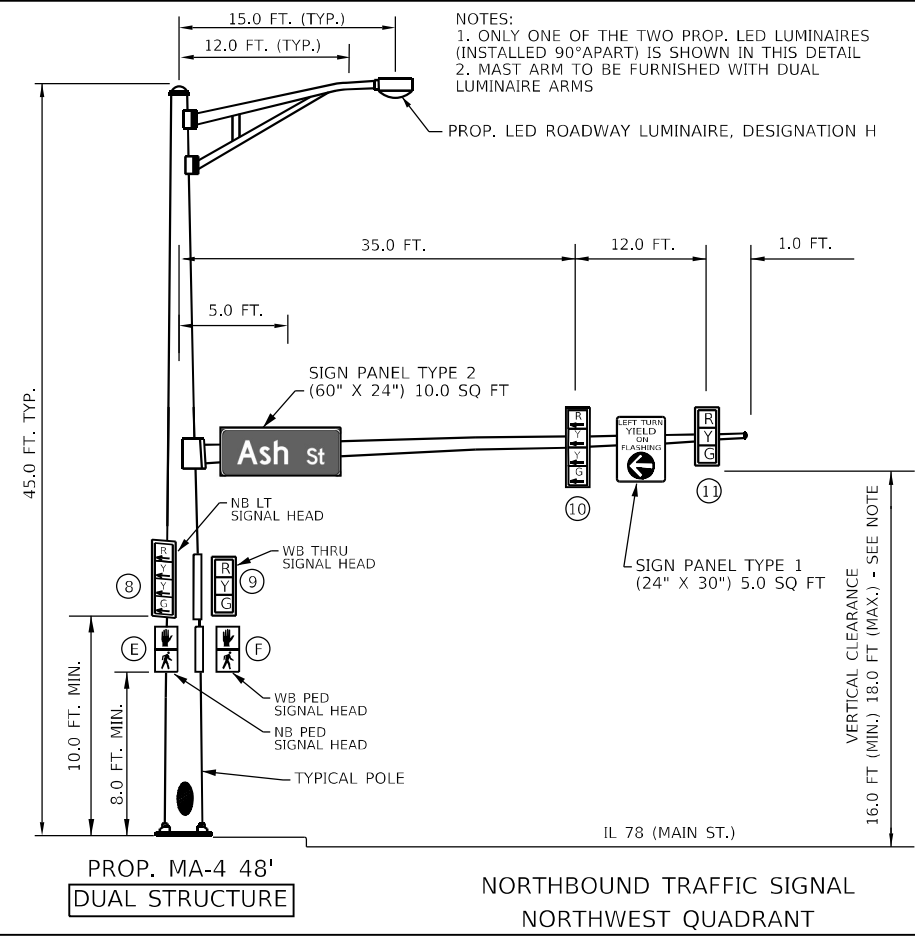
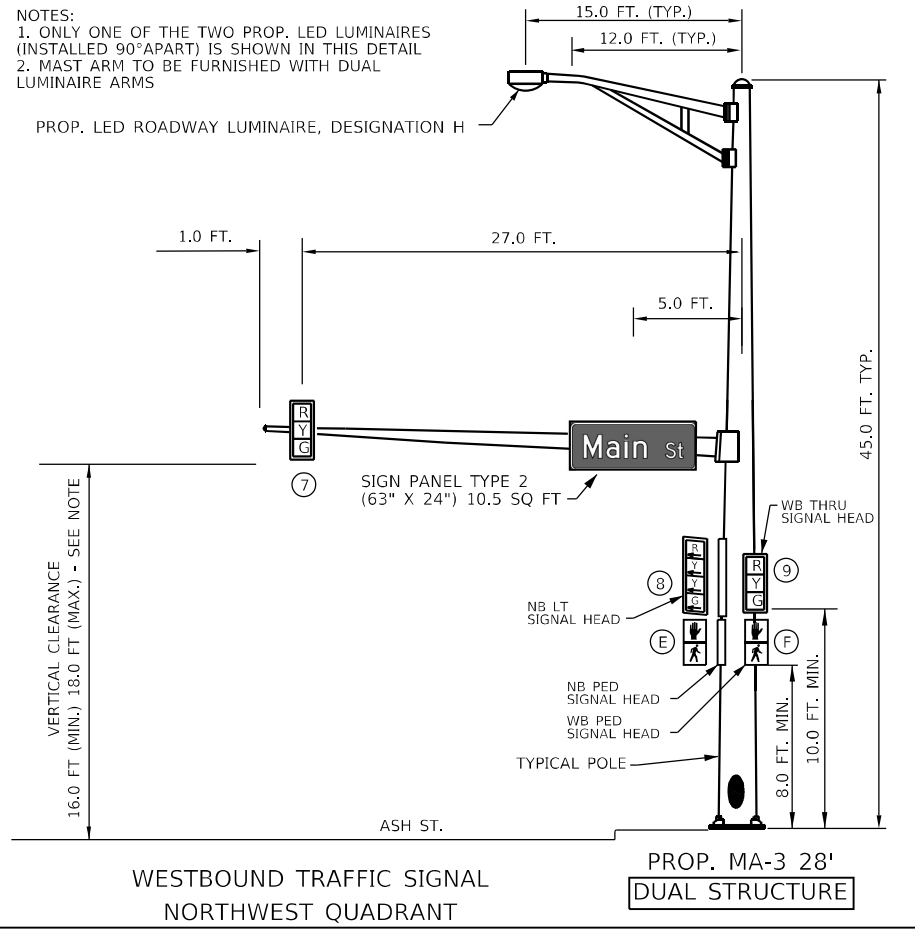
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PLOT SCALE = 23,8272 * / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED CABLE & PHASE DIAGRAMS
IL 78 (MAIN ST.) & ASH ST. - CANTON**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(135)TS-2;(58CS)TS	FULTON	33	21
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				



DUAL STRUCTURES:
 MA-1 (28') / MA-2 (48')
 MA-3 (28') / MA-4 (48')

- NOTES:
 1. THE VERTICAL CLEARANCE REQUIREMENTS BETWEEN THE BOTTOM OF THE LOWEST SIGNAL HEAD BACKPLATE AND THE HIGHEST POINT OF THE PAVEMENT ARE AS FOLLOWS: 16.0 FT (MIN.) AND 18.0 FT (MAX.)
 2. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
 3. THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER.
 4. 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.
 5. THE CONTRACTOR SHALL FURNISH AND INSTALL DUAL 15 FT. LUMINAIRE ARMS FOR THE PROPOSED DUAL MAST ARM MA-3/MA-4, THE COST OF THE LUMINAIRE ARMS SHALL BE INCLUDED IN THE COST OF THE DUAL MAST ARM.
 6. THE CONTRACTOR SHALL FURNISH AND INSTALL YELLOW RETROREFLECTIVE TAPE ON EACH SIDE OF THE PROPOSED PEDESTRIAN PUSH-BUTTON POST (PED-7.) THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE "PEDESTRIAN PUSH-BUTTON POST."

NOT TO SCALE

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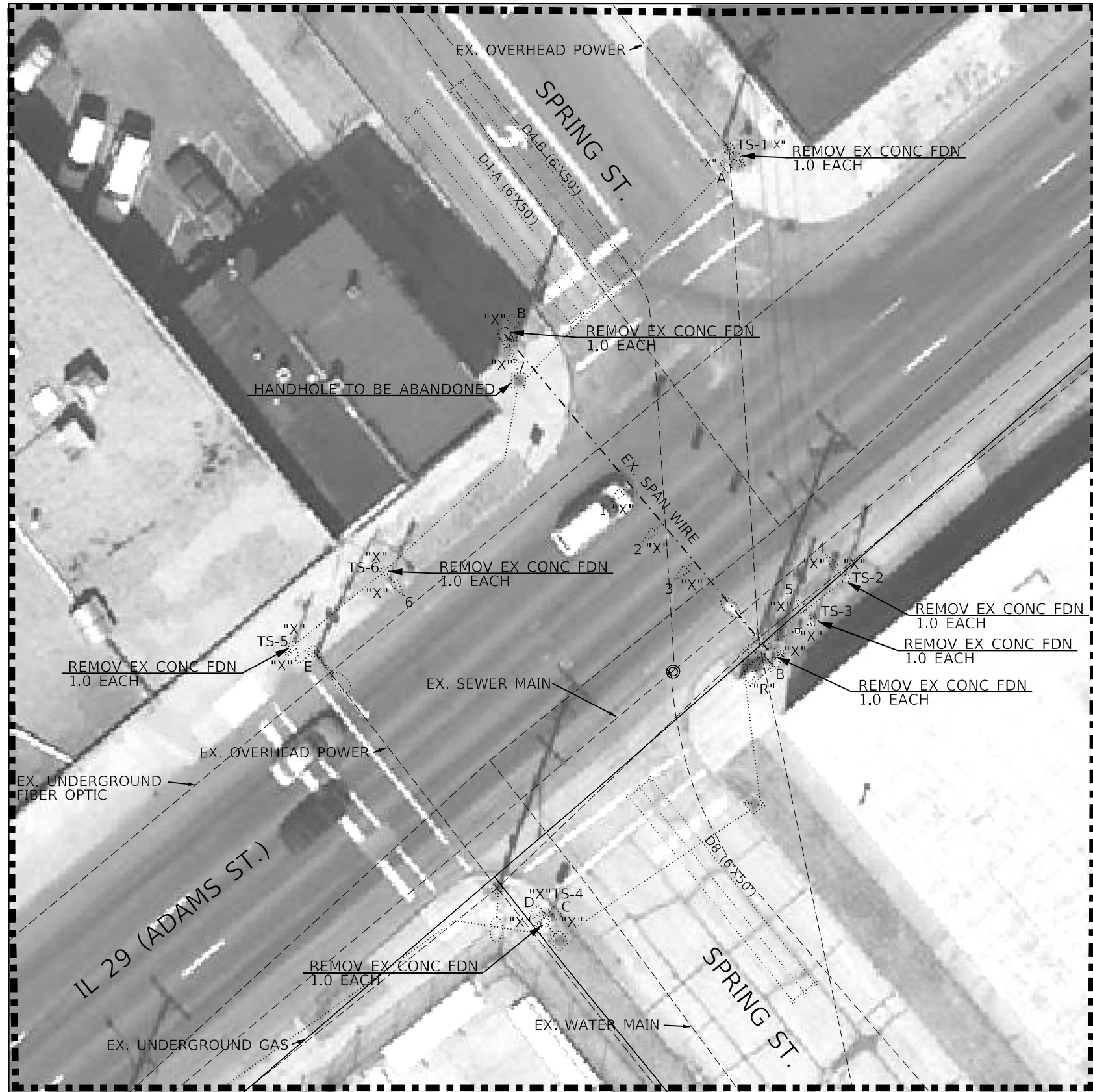
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED MAST ARM AND POST DETAILS
 IL 78 (MAIN ST.) & ASH ST. - CANTON**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(135)TS-2;(58CS)TS	FULTON	33	22
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				

BILL OF MATERIALS		
IL 29 (ADAMS ST.) & SPRING ST.		
ITEM DESCRIPTION	UNIT	QTY.
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REMOVE EXISTING CONCRETE FOUNDATION*	EACH	8.0
*CONCRETE FOUNDATIONS TO BE REMOVED: SPAN WIRE STRAIN POLE X 2, TS-1, TS-2, TS-3, TS-4, TS-5, TS-6		



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 4,5,6,7)
3.0	SIGNAL HEAD, SPAN WIRE MOUNTED (SIGNAL HEADS 1,2,3)
4.0	PEDESTRIAN SIGNAL HEAD 1-FACE (A,B,E,F)
1.0	PEDESTRIAN SIGNAL HEAD 2-FACE (C/D)
6.0	TRAFFIC SIGNAL POST (TS-1,TS-2,TS-3,TS-4,TS-5,TS-6)
2.0	SPAN WIRE STRAIN POLE AND SPAN WIRE
6.0	PEDESTRIAN PUSHBUTTON (P1,P2,P3,P4,P5,P6)
ALL	ELECTRICAL CABLE NOT USED IN PROPOSED PLANS

"X" INDICATES REMOVAL ITEM
 "R" INDICATED RE-USE ITEM

- NOTES:
1. THE EXISTING ELECTRIC SERVICE AND CABINET TO BE RE-USED WITH THE PROPOSED SIGNAL INSTALLATION.
 2. THE EXISTING DETECTOR LOOPS SHALL BE RE-USED WITH THE PROPOSED TRAFFIC SIGNALS WHERE POSSIBLE.

..... Area treated in accordance with SSRBC Article 669.05(a)(5)

NOT TO SCALE

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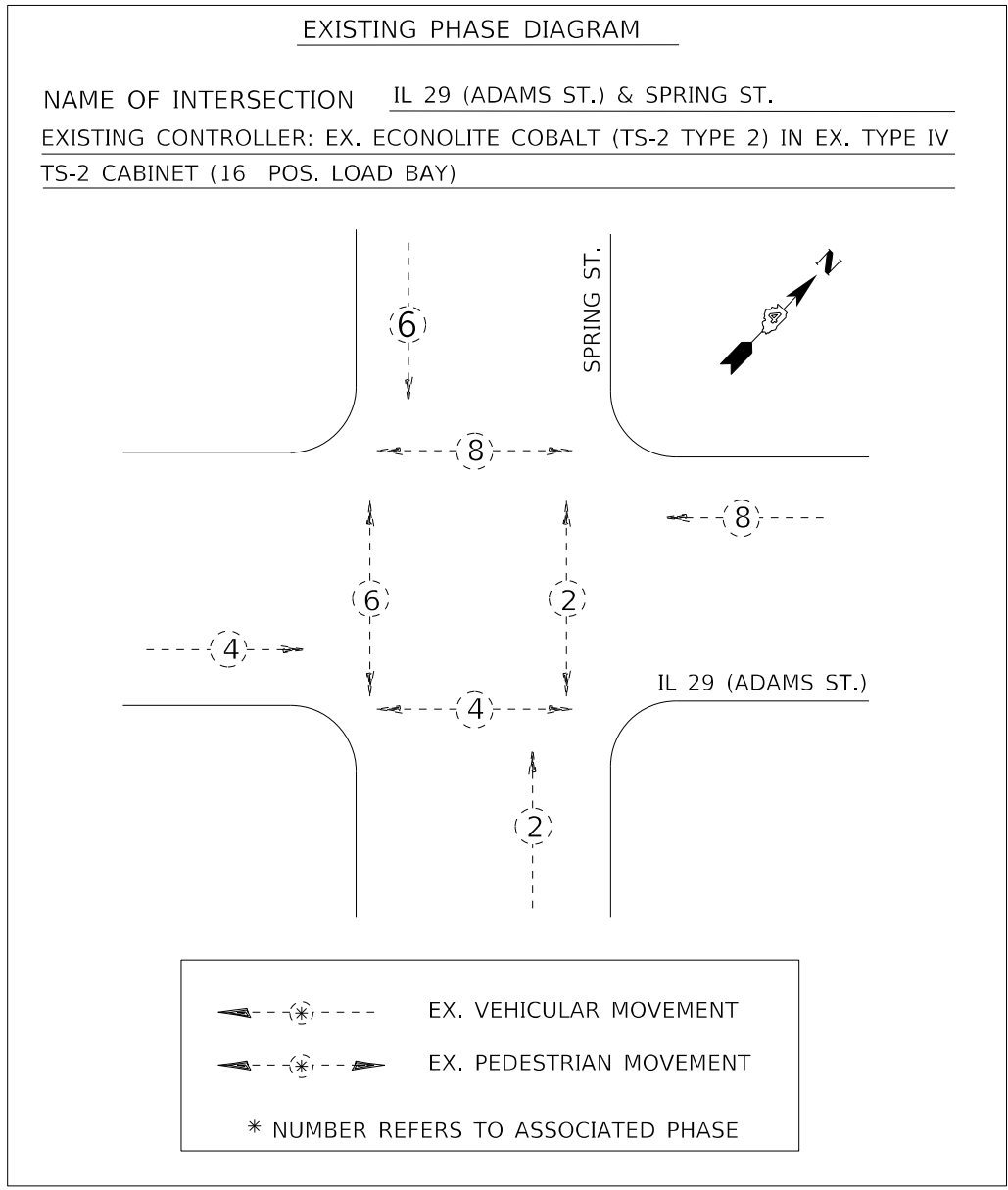
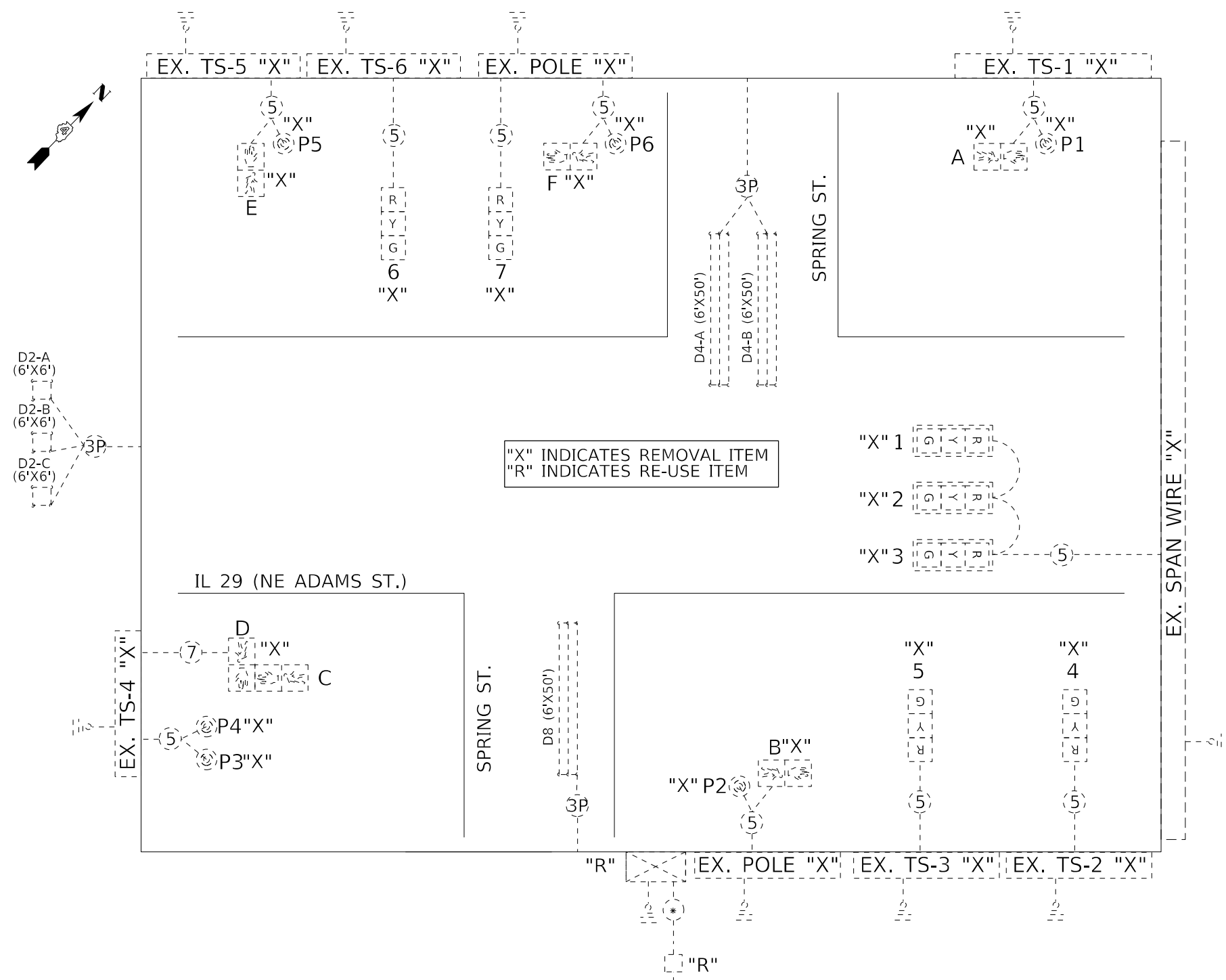
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING TRAFFIC SIGNAL PLANS AND REMOVAL ITEMS
 IL 29 (ADAMS ST.) & SPRING ST. - PEORIA**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(135)TS-2;(58CS)TS	PEORIA	33	23
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

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TRAFFIC SIGNALS LEGEND

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> EX. TRAFFIC SIGNAL CONTROLLER CABINET EX. ELECTRIC SERVICE EX. GROUND/SAFETY BOND EX. DETECTOR LOOP EX. QUADRAPOLE DETECTOR LOOP | <ul style="list-style-type: none"> EX. 3 SEC. SIGNAL HEAD WITH BACKPLATE EX. 3 SEC. SIGNAL HEAD WITHOUT BACKPLATE EX. PEDESTRIAN PUSHBUTTON | <ul style="list-style-type: none"> EX. 3/C NO. 14 SIGNAL CABLE EX. 5/C NO. 14 SIGNAL CABLE EX. 7/C NO. 14 SIGNAL CABLE EX. 1/C NO. 6 CABLE EX. NO. 18 3-PR DETECTOR LOOP CABLE |
|---|---|--|

NOT TO SCALE

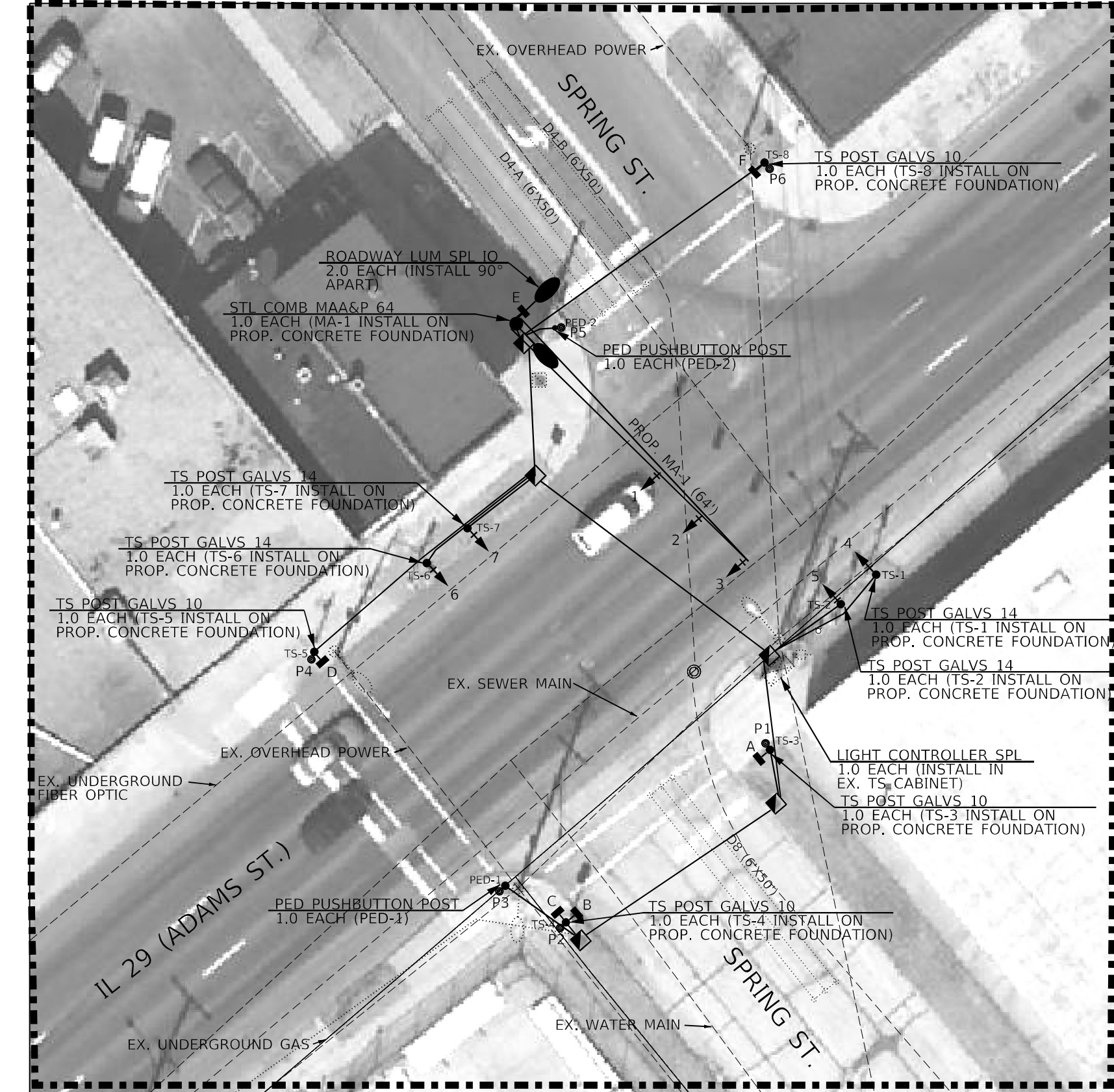
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PLOT DATE = 3/22/2023	DATE -	REVISOR -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING CABLE & PHASE DIAGRAMS AND REMOVAL ITEMS
 IL 29 (ADAMS ST.) & SPRING ST. - PEORIA

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(135)TS-2;(58CS)TS	PEORIA	33	24
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIALS		
IL 29 (ADAMS) & SPRING - PEORIA		
ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ FT	22.8
SIGN PANEL - TYPE 2	SQ FT	19.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	4.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	4.0
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.	EACH	1.0
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	3.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4.0
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	1.0
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	7.0
LIGHTING CONTROLLER, SPECIAL	EACH	1.0
ROADWAY LUMINAIRE, SPECIAL (INSTALL ONLY)	EACH	2.0
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6.0
PEDESTRIAN PUSH-BUTTON POST	EACH	2.0

NOTES:
 1. THE EXISTING ELECTRIC SERVICE AND CABINET TO BE RE-USED WITH THE PROPOSED SIGNAL INSTALLATION.
 2. THE EXISTING DETECTOR LOOPS SHALL BE RE-USED WITH THE PROPOSED TRAFFIC SIGNALS WHERE POSSIBLE.

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

ACCESSIBLE PEDESTRIAN SIGNAL (APS) SCHEDULE		
IL 29 (ADAMS) & SPRING		
NAME	PROP. ACCESSIBLE PEDESTRIAN SIGNAL QTY.	LOCATION
P1	1.0	E QUAD (TS-3)
P2	1.0	S QUAD (TS-4)
P3	1.0	S QUAD (PED-1)
P4	1.0	W QUAD (TS-5)
P5	1.0	W QUAD (PED-2)
P6	1.0	N QUAD (TS-8)

MAST ARM AND TRAFFIC SIGNAL POST SCHEDULE						
IL 29 (ADAMS) & SPRING						
NAME	DESCRIPTION	LENGTH	PROPOSED FOUNDATION			LOCATION
			DIAMETER	TYPE	DEPTH	
MA-1*	STL COMB MAA&P	64 FT	42 INCH	TYPE E	21.0 FT	W QUAD
TS-1	TS POST GALVS 14	14 FT	24 INCH	TYPE A	3.0 FT	E QUAD
TS-2	TS POST GALVS 14	14 FT	24 INCH	TYPE A	3.0 FT	E QUAD
TS-3	TS POST GALVS 10	10 FT	24 INCH	TYPE A	3.0 FT	E QUAD
TS-4	TS POST GALVS 10	10 FT	24 INCH	TYPE A	3.0 FT	S QUAD
TS-5	TS POST GALVS 10	10 FT	24 INCH	TYPE A	3.0 FT	W QUAD
TS-6	TS POST GALVS 14	14 FT	24 INCH	TYPE A	3.0 FT	W QUAD
TS-7	TS POST GALVS 14	14 FT	24 INCH	TYPE A	3.0 FT	W QUAD
TS-8	TS POST GALVS 10	10 FT	24 INCH	TYPE A	3.0 FT	E QUAD

* MA-1 TO BE FURNISHED WITH DUAL 15 FT. LUMINAIRE ARMS (INCLUDED IN THE COST OF THE MAST ARM ASSEMBLY AND POLE.)

..... Area treated in accordance with SSRBC Article 669.05(a)(5)

NOT TO SCALE

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 3/22/2023

USER NAME = Trevor.Hanson	DESIGNED -	REVISED - 04-26-23 TJH
PLOT SCALE = 23,8272' = 1"	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

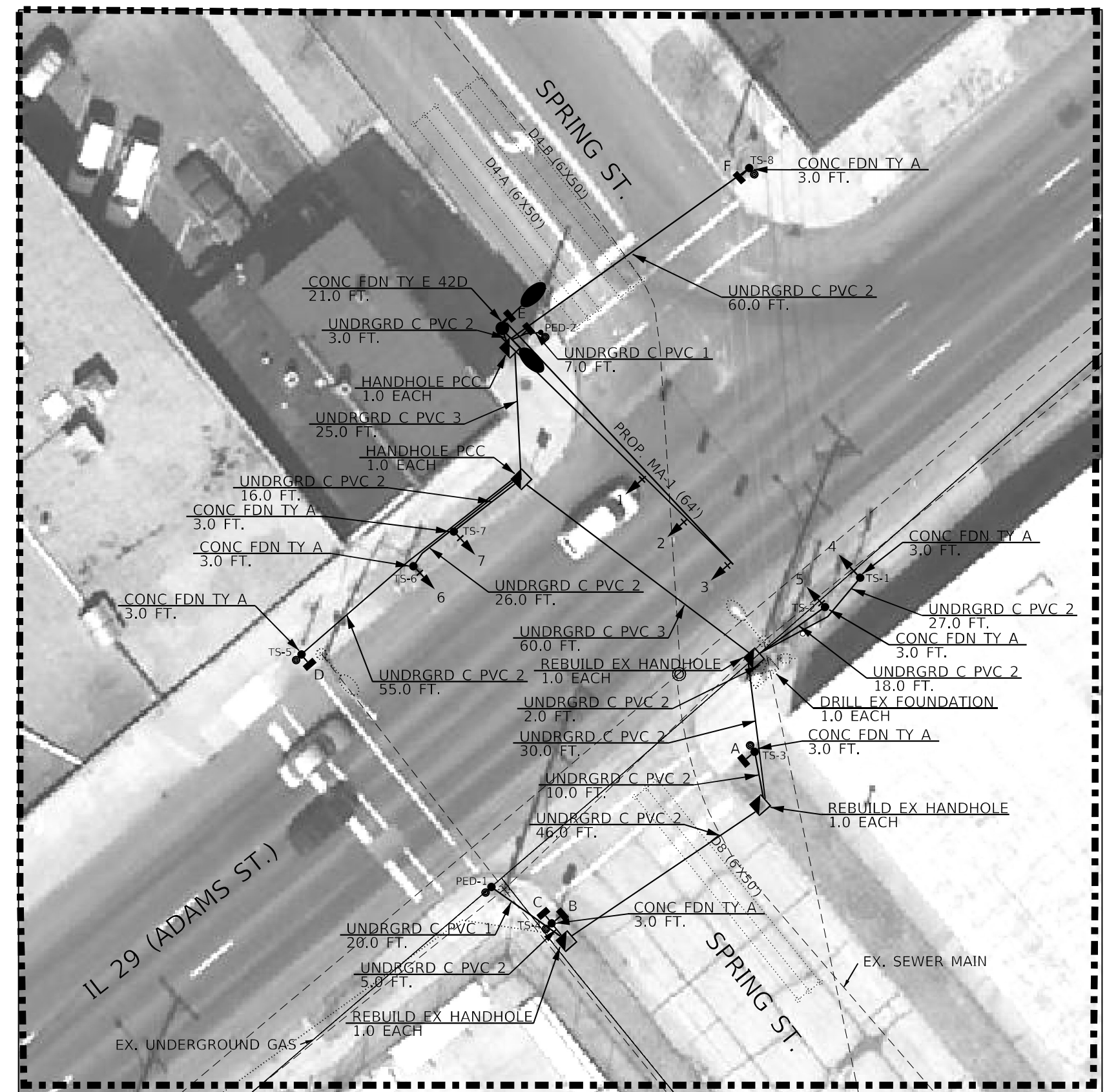
**PROPOSED TRAFFIC SIGNAL PLANS
IL 29 (ADAMS ST.) & SPRING ST. - PEORIA**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(135)TS-2;(58CS)TS	PEORIA	33	25
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



BILL OF MATERIALS		
IL 29 (ADAMS) & SPRING - PEORIA		
ITEM DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	27.0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	298.0
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	85.0
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2.0
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	462.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	733.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1098.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	124.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	530.0
CONCRETE FOUNDATION, TYPE A	FOOT	24.0
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21.0
DRILL EXISTING FOUNDATION	EACH	1.0
REBUILD EXISTING HANDHOLE	EACH	3.0



..... Area treated in accordance with SSRBC Article 669.05(a)(5)

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PLOT SCALE = 23.8272 * / in.	DRAWN -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

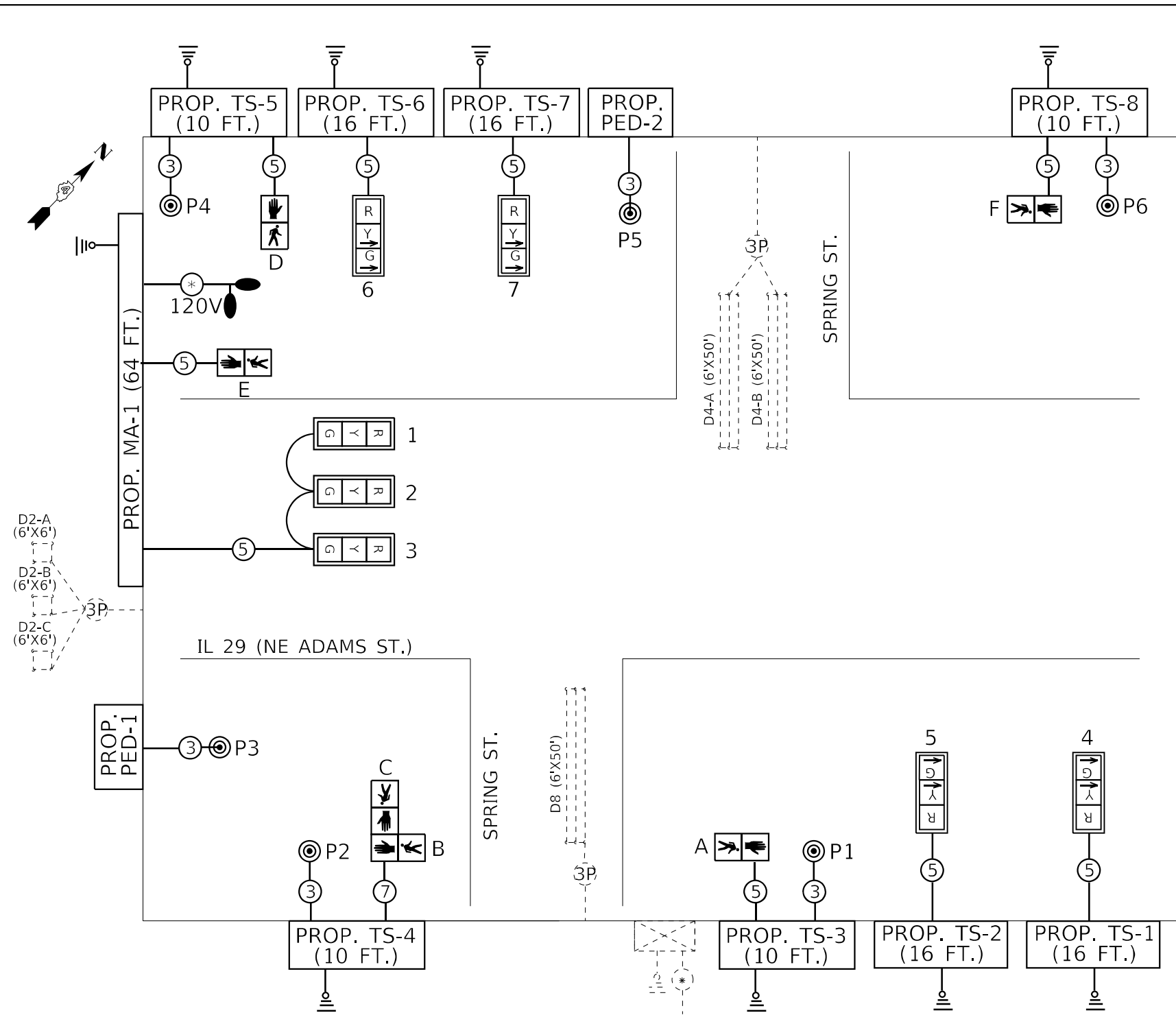
PROPOSED CONDUIT, HANDHOLE & FOUNDATION PLANS
 IL 29 (ADAMS ST.) & SPRING ST. - PEORIA

F.A.P. RTE. = 64	SECTION = (135)TS-2;(58CS)TS	COUNTY = PEORIA	TOTAL SHEETS = 33	SHEET NO. = 26
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE

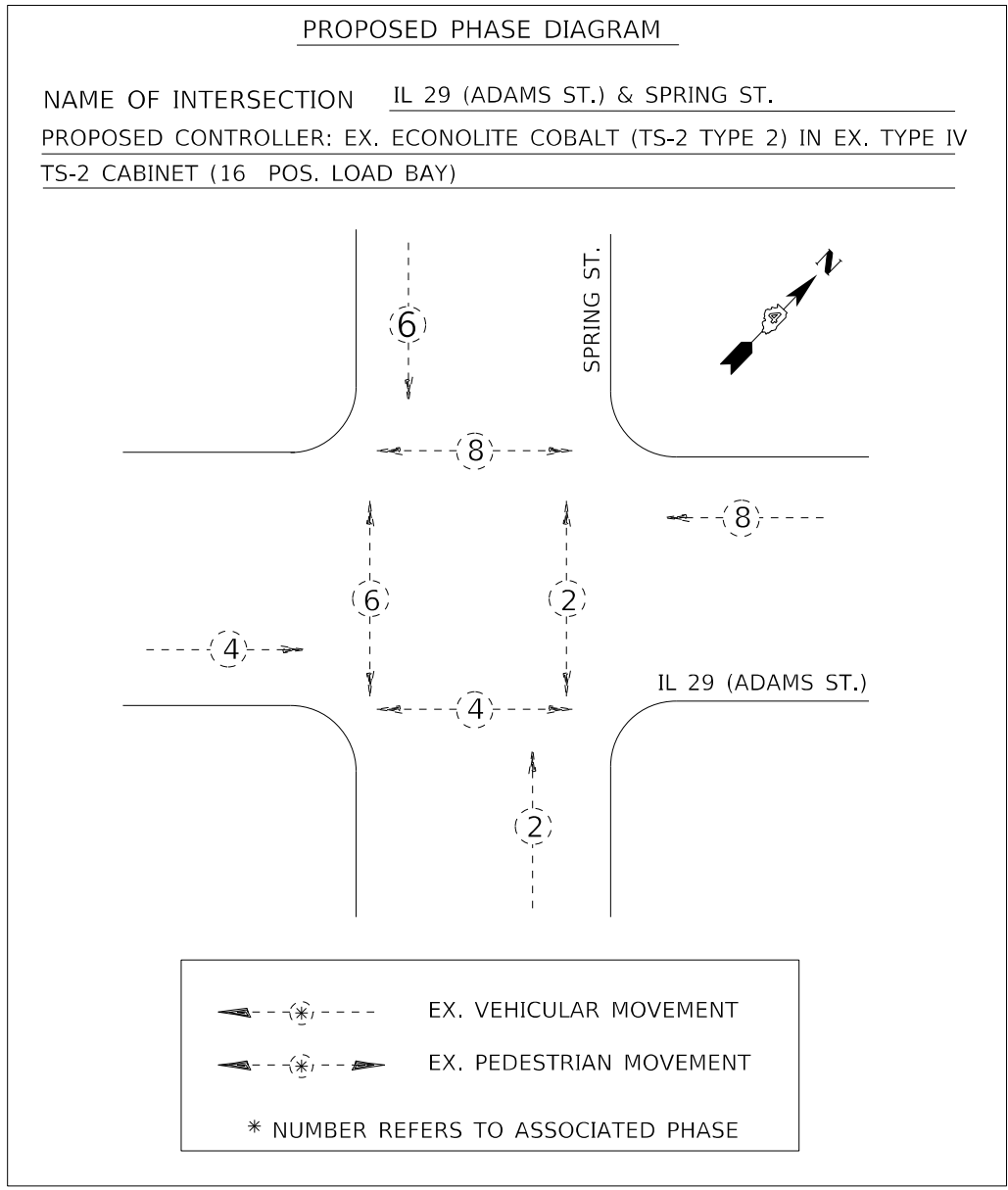
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 User: Trevor.Hanson
 Date: 3/22/2023



TRAFFIC SIGNALS LEGEND

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



ALL LUMINAIRES SHALL OPERATE AT 120V

- NOTES:**
- THE EXISTING ELECTRIC SERVICE AND CABINET TO BE RE-USED WITH THE PROPOSED SIGNAL INSTALLATION.
 - THE EXISTING DETECTOR LOOPS SHALL BE RE-USED WITH THE PROPOSED TRAFFIC SIGNALS WHERE POSSIBLE.

NOT TO SCALE

USER NAME = Trevor.Hanson	DESIGNED -	REVISED -
PLOT SCALE = 23,8272' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

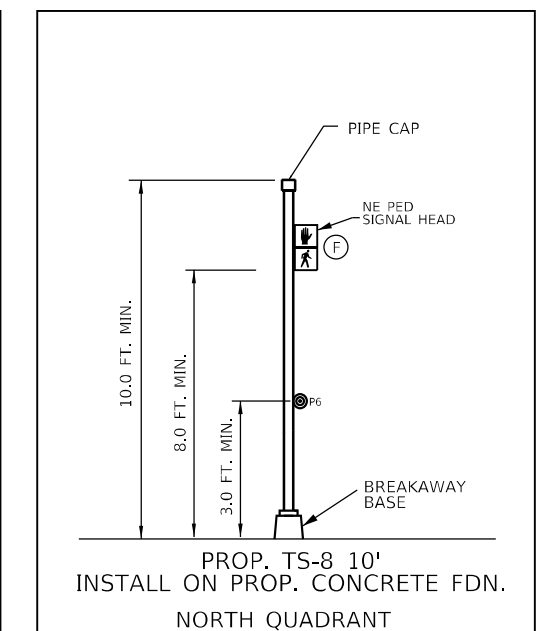
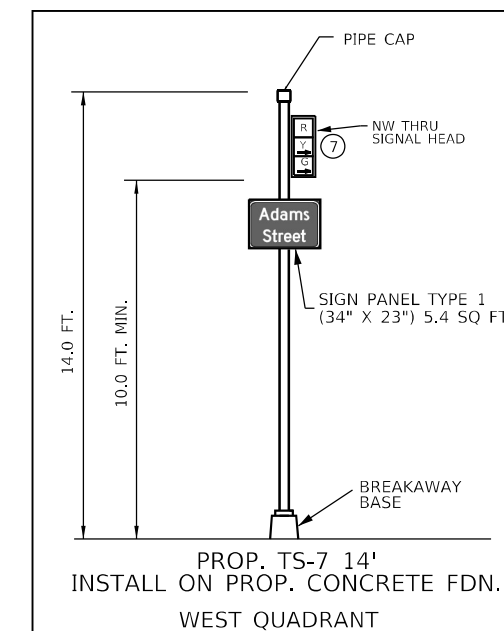
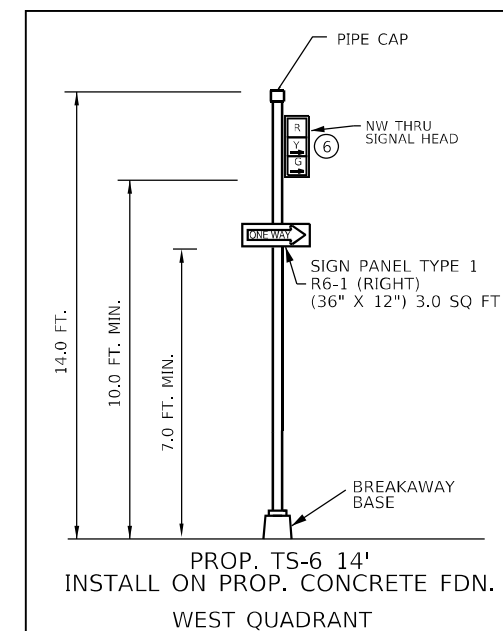
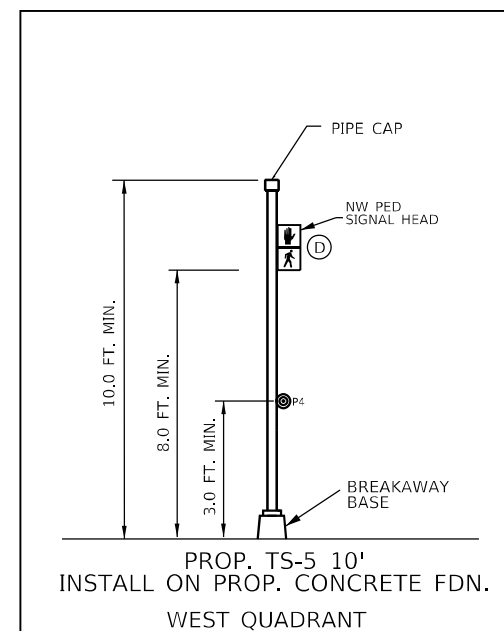
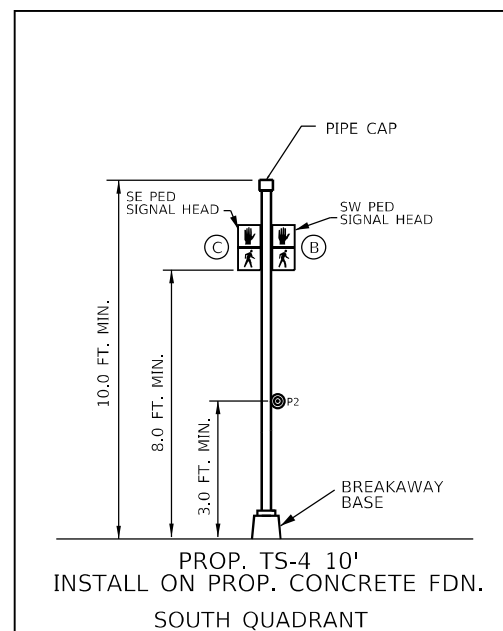
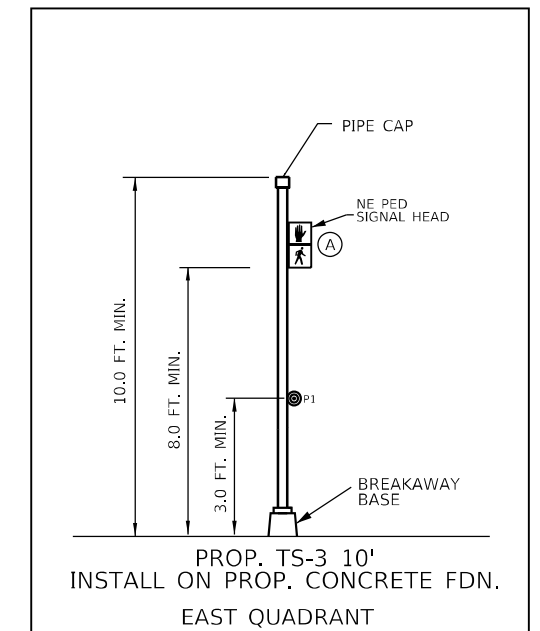
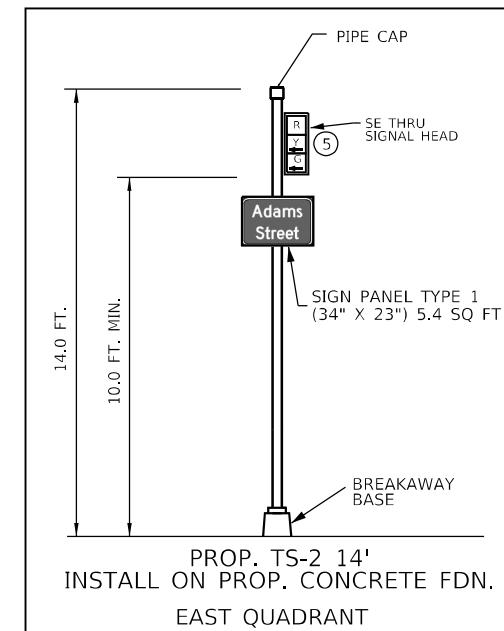
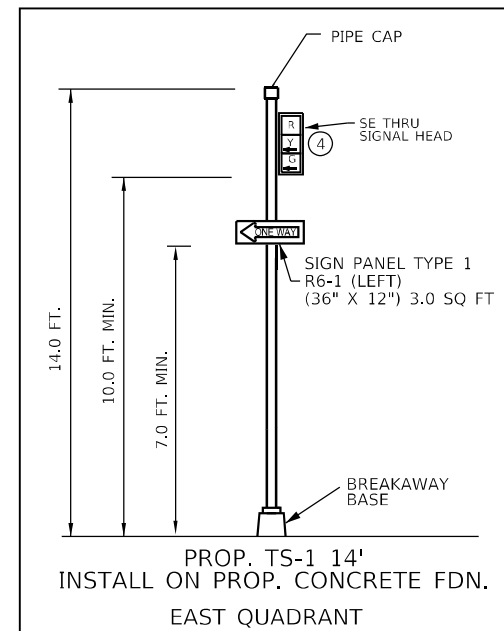
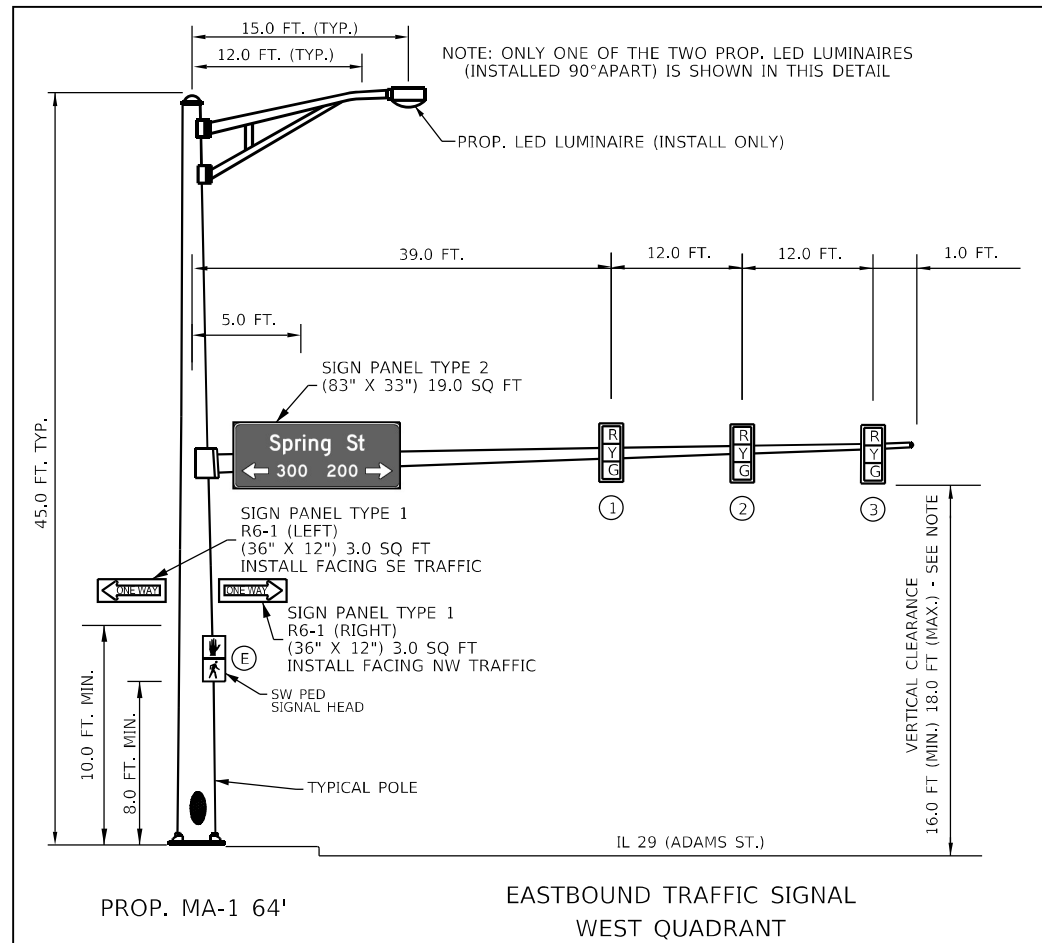
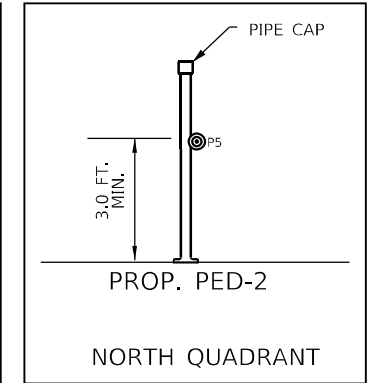
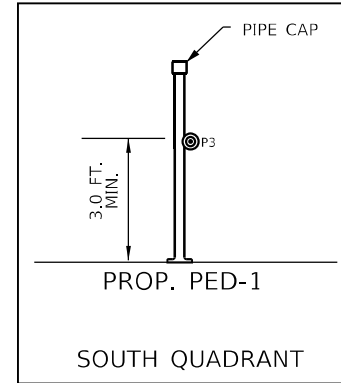
**PROPOSED CABLE & PHASE DIAGRAMS
IL 29 (ADAMS ST.) & SPRING ST. - PEORIA**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 64	SECTION (135)TS-2;(58CS)TS	COUNTY PEORIA	TOTAL SHEETS 33	SHEET NO. 27
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				

NOTES:

1. THE VERTICAL CLEARANCE REQUIREMENTS BETWEEN THE BOTTOM OF THE LOWEST SIGNAL HEAD BACKPLATE AND THE HIGHEST POINT OF THE PAVEMENT ARE AS FOLLOWS: 16.0 FT (MIN.) AND 18.0 FT (MAX.)
2. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
3. THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER.
4. THE TRAFFIC SIGNAL POSTS (TS-1 AND TS-2) SHALL BE LOCATED 10 FT. APART, WITH EACH POST 5 FT. FROM THE CENTER OF THE APPROACH. THEY SHALL BE LOCATED 30" FROM FACE OF CURB.
5. THE TRAFFIC SIGNAL POSTS (TS-6 AND TS-7) SHALL BE LOCATED 10 FT. APART, WITH EACH POST 5 FT. FROM THE CENTER OF THE APPROACH.
6. THE CONTRACTOR SHALL FURNISH AND INSTALL TEMP WIRING AND CONDUIT AS NEEDED TO FACILITATE THE INSTALLATION OF TS-1, TS-2, TS-6 AND TS-7. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE OF THE PROPOSED TRAFFIC SIGNAL POSTS.
7. TRAFFIC SIGNAL POST (TS-8) SHALL BE LOCATED NEXT TO THE SIDEWALK PANEL TO ACCOMMODATE THE PEDESTRIAN PUSHBUTTON LOCATION REQUIREMENTS.



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED MAST ARM AND POST DETAILS
IL 29 (ADAMS ST.) & SPRING ST. - PEORIA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	(135)TS-2;(58CS)TS	PEORIA	33	28
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				

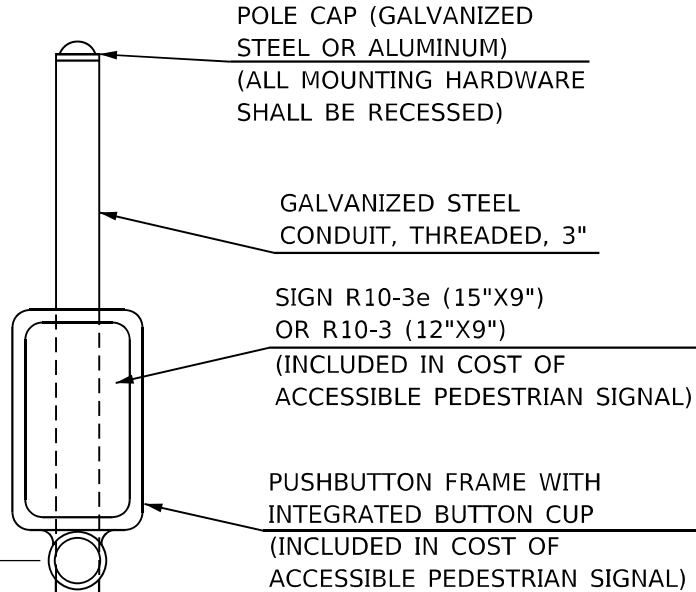
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DATE: 3/22/2023

USER NAME	DESIGNED	REVISION
Trevor, Hanson	-	-
PLOT SCALE = 23.8272" / in.	CHECKED -	REVISION -
PLOT DATE = 3/22/2023	DATE -	REVISION -

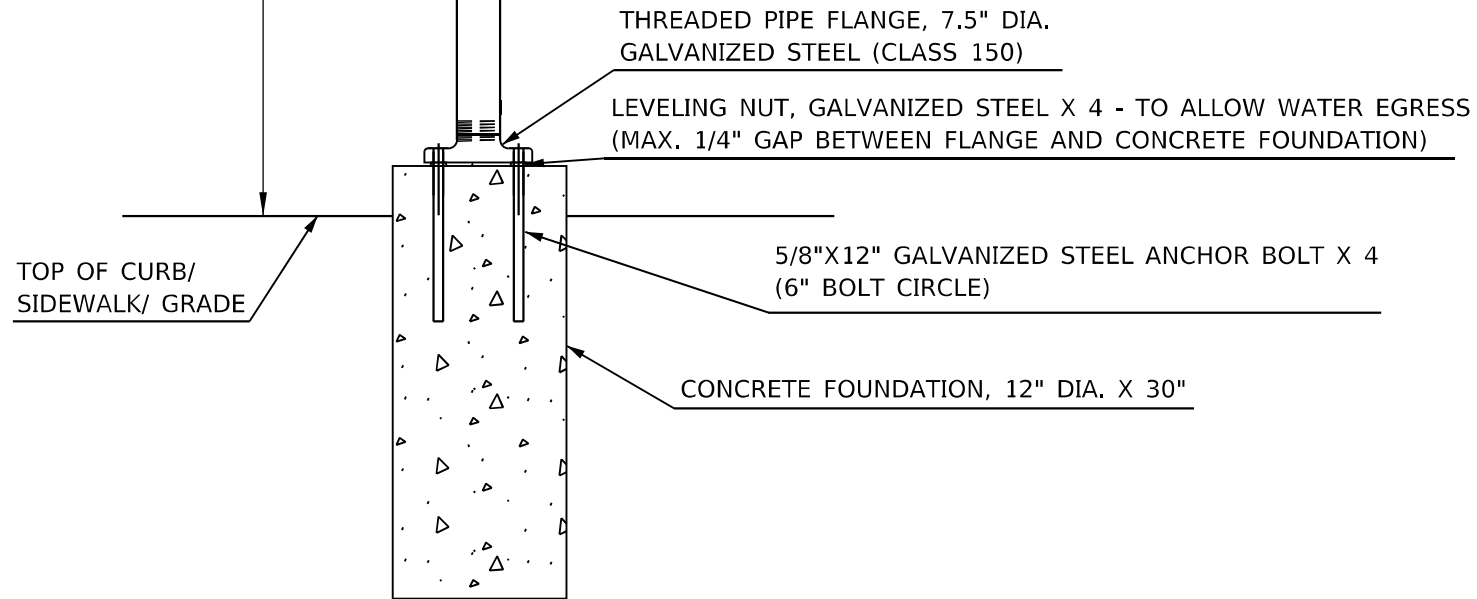
SCALE: SHEET OF SHEETS STA. TO STA.

NOT TO SCALE

R10-3e SIGN TO BE USED IN ACCESSIBLE PEDESTRIAN SIGNALS INSTALLATIONS



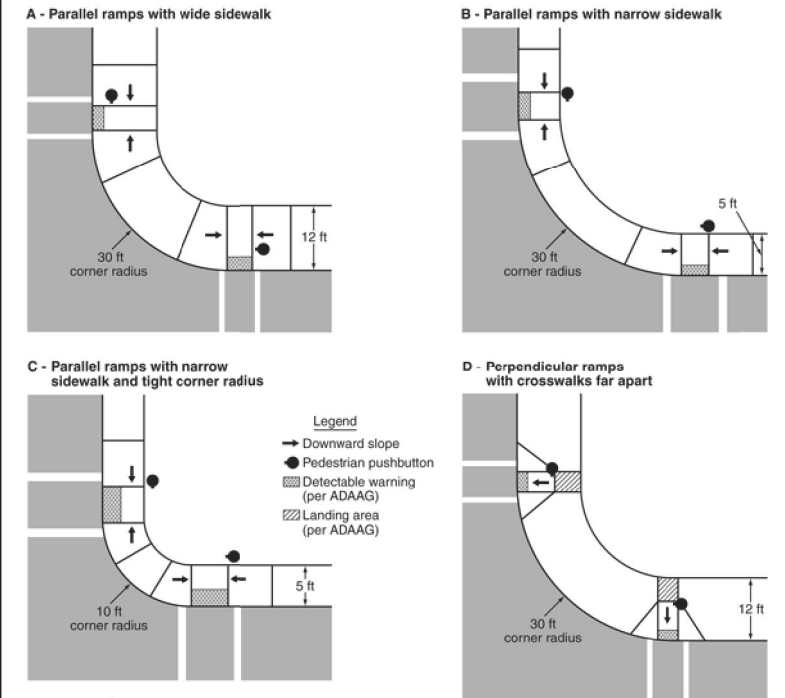
- NOTES:
1. PEDESTRIAN PUSHBUTTONS SHALL BE LOCATED IN ACCORDANCE WITH THE 2009 MUTCD. THE COST TO MODIFY OR RELOCATE ANY PUSHBUTTONS THAT WERE NOT INSTALLED ACCORDING TO MUTCD REQUIREMENTS AND CONTRACT SPECIFICATIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 2. FOR ALL INSTALLATIONS, THE REACH RANGE (DISTANCE BETWEEN THE FACE OF PEDESTRIAN PUSHBUTTON AND THE CLEAR SPACE) SHALL NOT EXCEED 10 INCHES.
 3. PEDESTRIAN PUSHBUTTON SIGN (R10-3E) SHALL BE CONSTRUCTED USING TYPE ZZ RETROREFLECTIVE SHEETING IN ACCORDANCE WITH ART. 1091.03.
 4. THE PEDESTRIAN PUSHBUTTON POSTS DETAILED ON THIS SHEET SHALL BE PAID FOR AS "PEDESTRIAN PUSH-BUTTON POST."
 5. FOR LOCATIONS WITH TWO PEDESTRIAN PUSHBUTTONS ON A SINGLE TRAFFIC SIGNAL POST OR PEDESTRIAN PUSHBUTTON POST, THE CONTRACTOR SHALL FURNISH AND INSTALL A SINGLE MOUNTING BRACKET THAT HOUSES BOTH PEDESTRIAN PUSHBUTTON FRAMES, WITH INTEGRATED CUPS, AT A 90 DEGREE ANGLE FROM EACH OTHER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE PAY ITEM ACCESSIBLE PEDESTRIAN SIGNALS.
 6. THESE REQUIREMENTS APPLY TO ALL PEDESTRIAN PUSHBUTTON INSTALLATIONS, INCLUDING PEDESTRIAN PUSHBUTTON POST, TRAFFIC SIGNAL POST, LIGHT POLE AND MAST ARM STRAIN POLE INSTALLATIONS.



PEDESTRIAN PUSHBUTTON POST

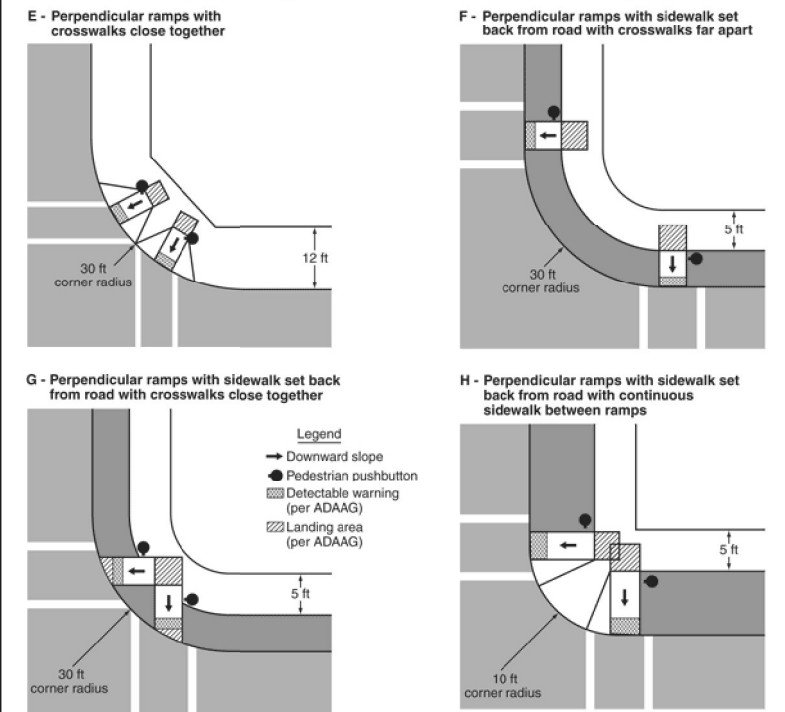
2009 MUTCD TYPICAL PUSHBUTTON LOCATIONS

Figure 4E-4. Typical Pushbutton Locations (Sheet 1 of 2)



- Notes:
1. This figure is not drawn to scale.
 2. These drawings are intended to describe the typical locations for pedestrian pushbutton installations. They are not intended to be a guide for the design of curb cut ramps.
 3. Figure 4E-3 shows the recommended area for pushbutton locations.

Figure 4E-4. Typical Pushbutton Locations (Sheet 2 of 2)



- Notes:
1. This figure is not drawn to scale.
 2. These drawings are intended to describe the typical locations for pedestrian pushbutton installations. They are not intended to be a guide for the design of curb cut ramps.
 3. Figure 4E-3 shows the recommended area for pushbutton locations.

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USER NAME = Trevor.Hanson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 23,8272 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

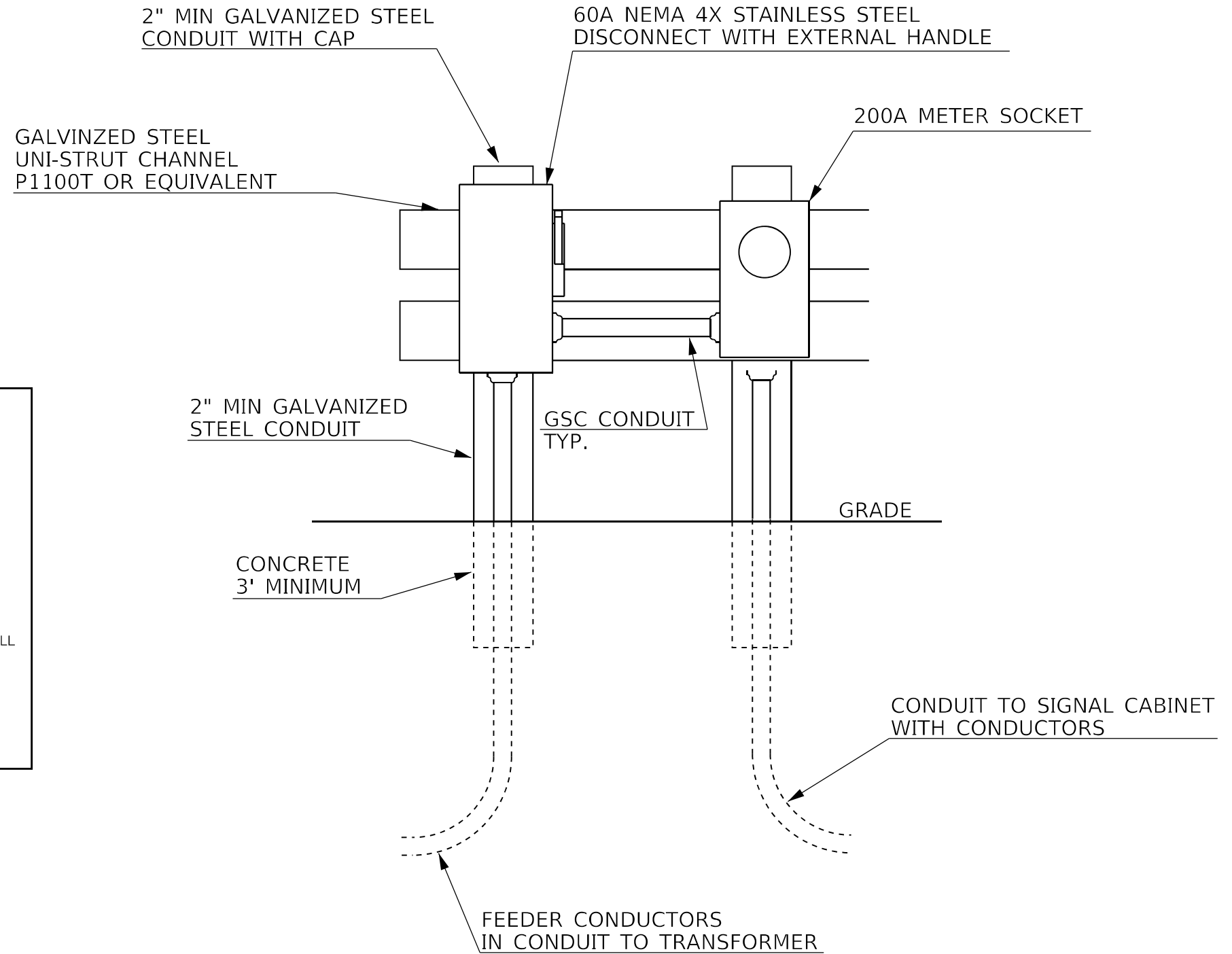
PEDESTRIAN PUSHBUTTON POST DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 22, 64	SECTION (135)TS-2;(58)CSITS	COUNTY *	TOTAL SHEETS 33	SHEET NO. 29
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE
* FULTON & PEORIA

ELECTRIC SERVICE INSTALLATION

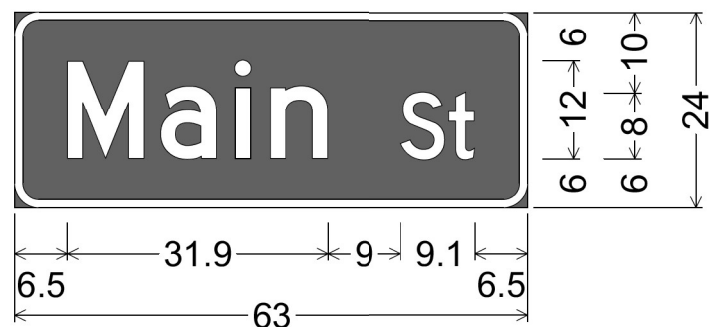


- NOTES:**
1. THE COST OF THE UNDERGROUND SERVICE CABLE/ CONDUIT FROM THE EXISTING TRANSFORMER TO THE PROPOSED ELECTRICAL SERVICE AND SERVICE CABLE/ CONDUIT FROM THE ELECTRICAL SERVICE TO THE SIGNAL CONTROLLER SHALL BE INCLUDED IN THE COST OF THE PROPOSED ELECTRICAL SERVICE INSTALLATION.
 2. THE CONTRACTOR SHALL VERIFY UTILITY COMPANY SERVICE INSTALLATION REQUIREMENTS, THERE WILL BE NO ADDITIONAL COMPENSATION TO ACCOMODATE ADDITIONAL REQUIREMENTS NOT SHOWN IN THE PLANS.
 3. THE PROPOSED ELECTRICAL SERVICE INSTALLATION SHALL BE LOCATED WITHIN 6 FT. OF THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT UTILITY COMPANY REQUIREMENTS.
 4. WIRE TO BE SIZED PER NEC REQUIREMENTS.

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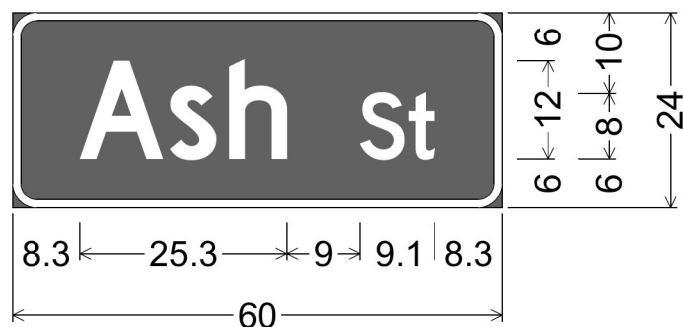
NOT TO SCALE
* FULTON & PEORIA

	USER NAME = Trevor.Hanson	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ELECTRIC SERVICE INSTALLATION, SPECIAL DETAIL	F.A.P. RTE. 22, 64	SECTION (135)TS-2;(58CS)TS	COUNTY *	TOTAL SHEETS 33	SHEET NO. 30
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	PLOT DATE = 3/22/2023	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
ILLINOIS FED. AID PROJECT										



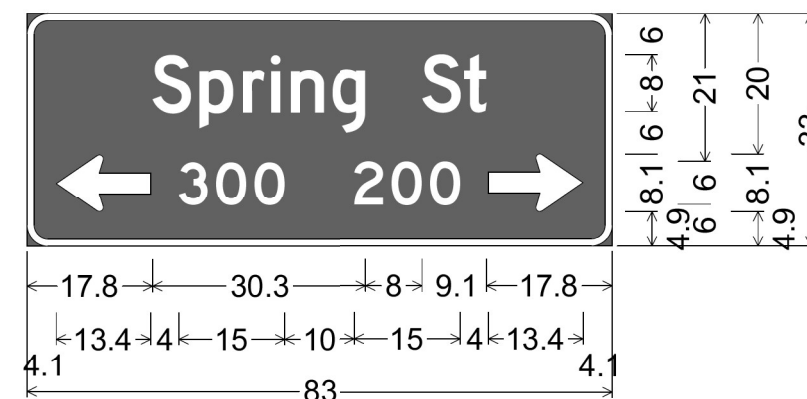
3.0" Radius, 1.0" Border, White on Green;
 "Main", D 2K; "St", D 2K;
 Table of distances between letter and object lefts

	M	a	i	n	S	t	
6.5	11.4	9.1	4.3	16.1	5.9	3.2	6.5



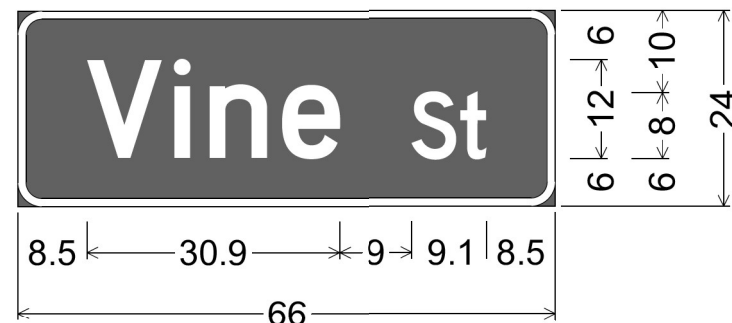
3.0" Radius, 1.0" Border, White on Green;
 "Ash", D 2K; "St", D 2K;
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	A	s	h	S	t	
8.3	11.0	7.2	16.1	5.9	3.2	8.3



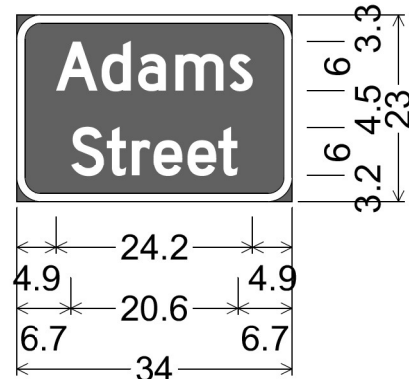
3.0" Radius, 1.0" Border, White on Green;
 "Spring", D 2K; "St", D 2K;
 Standard Arrow Custom 13.4" X 8.1" 180°;
 "300", D 2K; "200", D 2K;
 Standard Arrow Custom 13.4" X 8.1" 0°;
 Table of distances between letter and object lefts

	S	p	r	i	n	g	S	t	
17.8	6.6	6.1	4.0	2.9	5.9	12.8	5.9	3.2	17.8
4.1	←	3	0	0	2	0	0	→	4.1
	17.4	5.3	5.4	14.3	5.3	5.4	8.3	13.4	



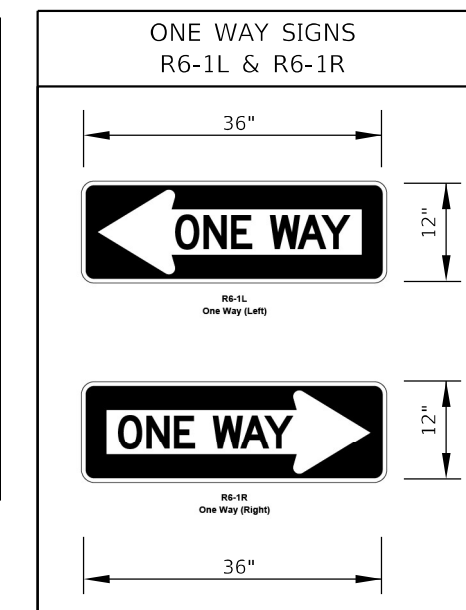
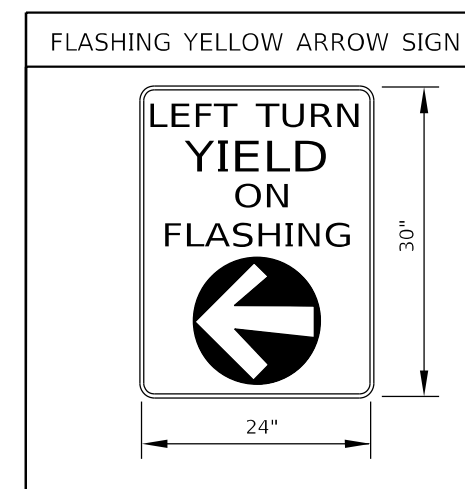
3.0" Radius, 1.0" Border, White on Green;
 "Vine", D 2K; "St", D 2K;
 Table of distances between letter and object lefts

	V	i	n	e	S	t	
8.5	10.6	4.4	8.8	16.1	5.9	3.2	8.5



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

	A	d	a	m	s		
4.9	5.6	4.5	4.6	6.7	2.8	4.9	
	S	t	r	e	e	t	
6.7	4.4	3.1	2.7	4.2	3.8	2.4	6.7



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	DRAWN -	REVISED -
PLOT SCALE = 23,8272 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED SIGN PANEL TYPE I AND II DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22, 64	(135)TS-2;(58CS)TS	*	33	31
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				

NOT TO SCALE
 * FULTON & PEORIA



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 * FULTON & PEORIA

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	DRAWN -	REVISED -
PLOT SCALE = 23,8272 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG LOCATIONS
IL 29 (ADAMS ST.) & SPRING ST. - PEORIA

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22, 64	(135)TS-2;(58CS)TS	*	33	33
CONTRACT NO. 68H55				
ILLINOIS FED. AID PROJECT				